

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113295.D
 Acq On : 26 Mar 2019 16:58
 Operator : JU/SJ
 Sample : K1560-02
 Misc : 20PPM LOQ
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Quant Time: Mar 27 04:59:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	155653	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	600198	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	310889	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	632911	20.00	ng	0.00
76) Chrysene-d12	13.84	240	554087	20.00	ng	0.00
87) Perylene-d12	15.24	264	559544	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1207126	126.81	ng	0.00
7) Phenol-d6	6.36	99	1460990	121.32	ng	0.00
23) Nitrobenzene-d5	7.27	82	893042	88.31	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	482092	125.54	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1633548	81.66	ng	0.00
79) Terphenyl-d14	12.79	244	1896613	75.45	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	96204	19.919	ng	99
3) Pyridine	3.11	79	227759	19.129	ng	98
4) n-Nitrosodimethylamine	3.00	42	99023	18.708	ng	93
6) Aniline	6.36	93	291785	19.897	ng	89
8) 2-Chlorophenol	6.49	128	218890	19.801	ng	96
9) Benzaldehyde	6.25	77	159745	19.768	ng	99
10) Phenol	6.36	94	276302	20.097	ng	97
11) bis(2-Chloroethyl)ether	6.44	93	204088	19.366	ng	99
12) 1,3-Dichlorobenzene	6.65	146	243092	20.401	ng	97
13) 1,4-Dichlorobenzene	6.72	146	243846	21.194	ng	98
14) 1,2-Dichlorobenzene	6.87	146	227500	20.099	ng	97
15) Benzyl Alcohol	6.85	79	176654	22.236	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.98	45	339601	21.451	ng	99
17) 2-Methylphenol	6.97	107	178263	20.577	ng	96
18) Hexachloroethane	7.22	117	90383	21.872	ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	153458	20.287	ng	96
20) 3+4-Methylphenols	7.12	107	226285	18.298	ng	95
22) Acetophenone	7.11	105	298362	21.798	ng	97
24) Nitrobenzene	7.29	77	238921	22.642	ng	98
25) Isophorone	7.52	82	399433	20.382	ng	97
26) 2-Nitrophenol	7.60	139	117328	21.035	ng	94
27) 2,4-Dimethylphenol	7.65	122	170529	21.254	ng	96
28) bis(2-Chloroethoxy)methane	7.74	93	258619	20.956	ng	99
29) 2,4-Dichlorophenol	7.85	162	183410	21.094	ng	99
30) 1,2,4-Trichlorobenzene	7.93	180	200912	21.417	ng	98
31) Naphthalene	8.00	128	661238	22.545	ng	99
32) Benzoic acid	7.76	122	112023	17.345	ng	98
33) 4-Chloroaniline	8.06	127	267760	23.411	ng	100
34) Hexachlorobutadiene	8.13	225	119398	21.415	ng	100
35) Caprolactam	8.41	113	60915	21.829	ng	94
36) 4-Chloro-3-methylphenol	8.55	107	192441	22.005	ng	95
37) 2-Methylnaphthalene	8.70	142	425294	23.239	ng	98
38) 1-Methylnaphthalene	8.80	142	420222	23.872	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.87	216	209070	20.950	ng	99

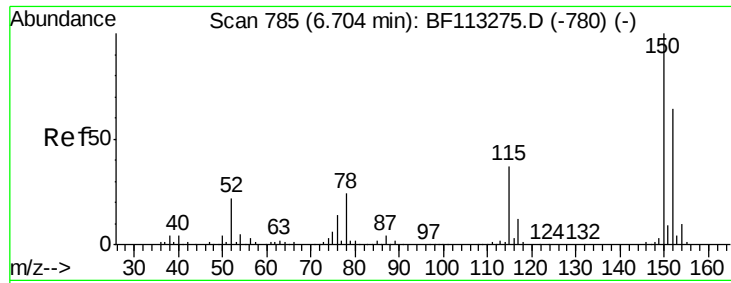
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113295.D
 Acq On : 26 Mar 2019 16:58
 Operator : JU/SJ
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	62954	14.904	ng	100
43) 2,4,6-Trichlorophenol	8.98	196	132311	20.360	ng	100
44) 2,4,5-Trichlorophenol	9.03	196	145894	20.286	ng	97
46) 1,1'-Biphenyl	9.16	154	571874	22.025	ng	99
47) 2-Chloronaphthalene	9.18	162	427208	21.369	ng	99
48) 2-Nitroaniline	9.28	65	135180	21.547	ng	98
49) Acenaphthylene	9.59	152	730365	22.594	ng	99
50) Dimethylphthalate	9.46	163	493475	21.419	ng	99
51) 2,6-Dinitrotoluene	9.52	165	112831	21.708	ng	91
52) Acenaphthene	9.77	154	404494	22.220	ng	99
53) 3-Nitroaniline	9.69	138	128374	21.901	ng	92
54) 2,4-Dinitrophenol	9.80	184	49620	19.195	ng	# 84
55) Dibenzofuran	9.94	168	625513	22.857	ng	98
56) 4-Nitrophenol	9.86	139	85339	20.422	ng	93
57) 2,4-Dinitrotoluene	9.93	165	147847	22.368	ng	93
58) Fluorene	10.28	166	484896	22.808	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.06	232	129037	21.217	ng	98
60) Diethylphthalate	10.16	149	481869	21.320	ng	99
61) 4-Chlorophenyl-phenylether	10.27	204	234710	22.652	ng	93
62) 4-Nitroaniline	10.30	138	135697	22.485	ng	96
63) Azobenzene	10.43	77	469878	22.085	ng	98
65) 4,6-Dinitro-2-methylphenol	10.33	198	68344	19.739	ng	88
66) n-Nitrosodiphenylamine	10.39	169	424214	21.843	ng	99
67) 4-Bromophenyl-phenylether	10.76	248	151862	22.015	ng	92
68) Hexachlorobenzene	10.83	284	177680	22.190	ng	100
69) Atrazine	10.92	200	133800	21.827	ng	97
70) Pentachlorophenol	11.03	266	83410	19.994	ng	99
71) Phenanthrene	11.23	178	721988	22.971	ng	99
72) Anthracene	11.29	178	744378	23.316	ng	99
73) Carbazole	11.45	167	703785	23.103	ng	99
74) Di-n-butylphthalate	11.77	149	784351	22.203	ng	100
75) Fluoranthene	12.42	202	812272	22.861	ng	98
77) Benzidine	12.54	184	396392	18.681	ng	# 94
78) Pyrene	12.64	202	837738	21.818	ng	99
80) Butylbenzylphthalate	13.26	149	332703	19.661	ng	98
81) Benzo(a)anthracene	13.83	228	697068	21.978	ng	99
82) 3,3'-Dichlorobenzidine	13.79	252	275596	21.660	ng	99
83) Chrysene	13.86	228	721347	22.391	ng	100
84) Bis(2-ethylhexyl)phthalate	13.83	149	418025	20.151	ng	99
85) Di-n-octyl phthalate	14.43	149	766862	21.778	ng	100
86) Indeno(1,2,3-cd)pyrene	16.59	276	682403	24.682	ng	97
88) Benzo(b)fluoranthene	14.84	252	704183	20.259	ng	99
89) Benzo(k)fluoranthene	14.84	252	704183	23.069	ng	99
90) Benzo(a)pyrene	15.18	252	649222	21.068	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	568485	21.336	ng	99
92) Benzo(g,h,i)perylene	17.00	276	544910	20.283	ng	98

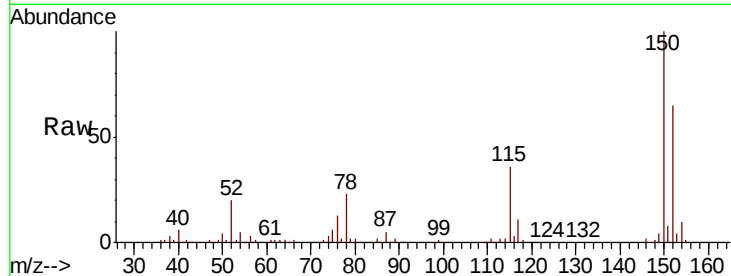
(#) = qualifier out of range (m) = manual integration (+) = signals summed



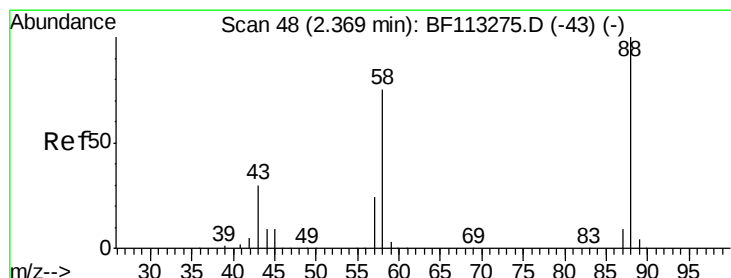
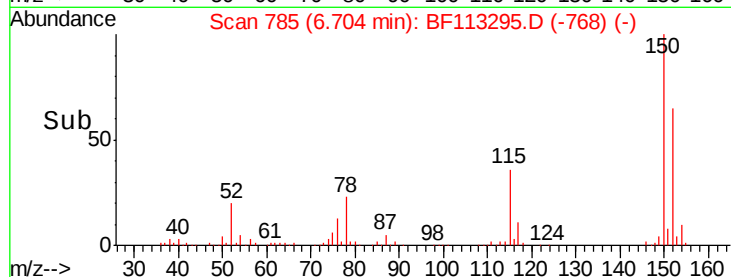
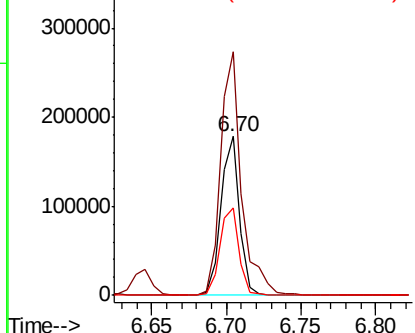
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion: 152 Resp: 155653
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.7 187.1
 115 55.4 46.0 69.0

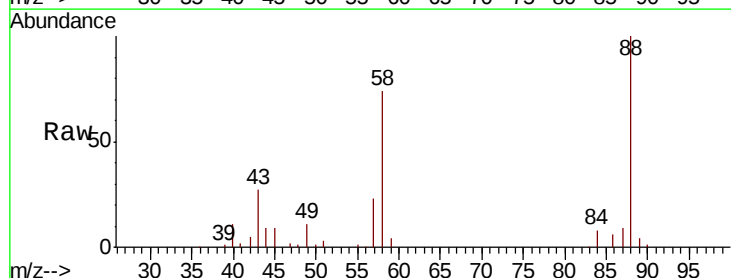


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

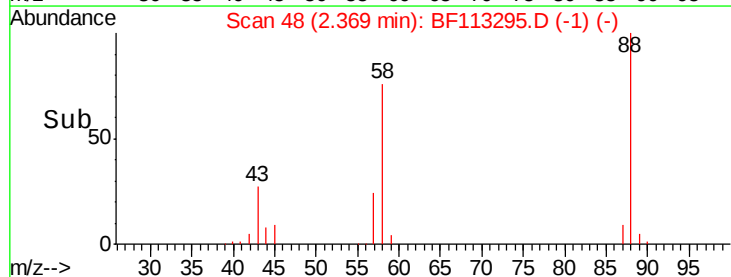
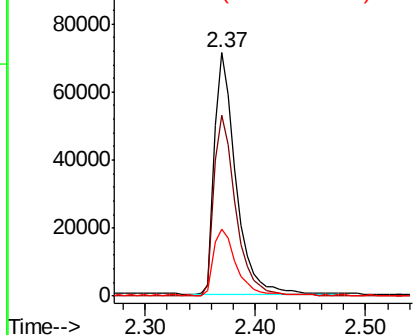


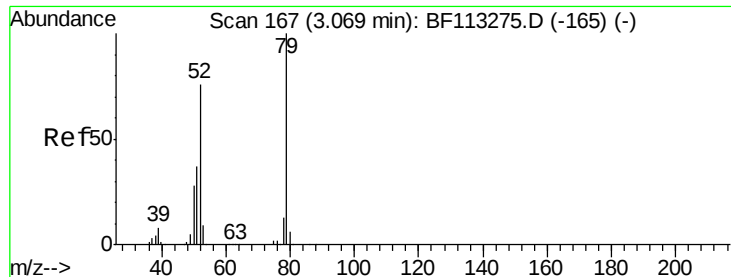
#2
 1,4-Dioxane
 Concen: 19.919 ng
 RT: 2.37 min Scan# 48
 Delta R.T. -0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion: 88 Resp: 96204
 Ion Ratio Lower Upper
 88 100
 58 76.1 61.9 92.9
 43 30.3 24.2 36.4



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 19.129 ng

RT: 3.11 min Scan# 174

Delta R.T. 0.04 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

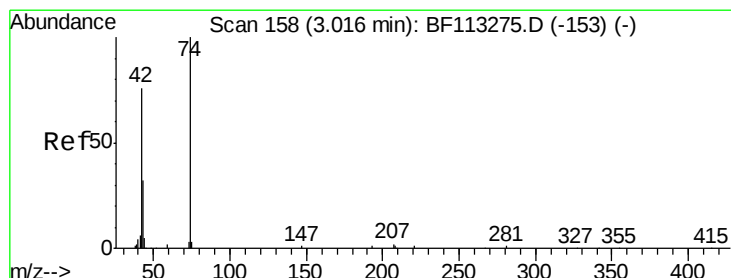
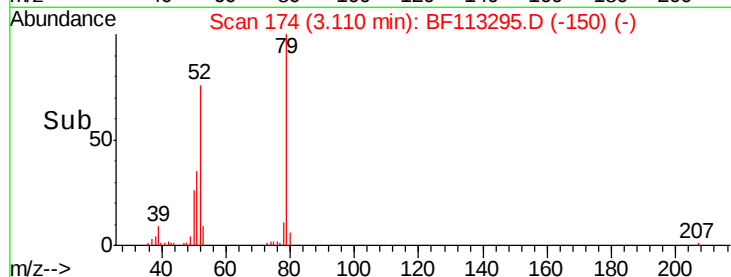
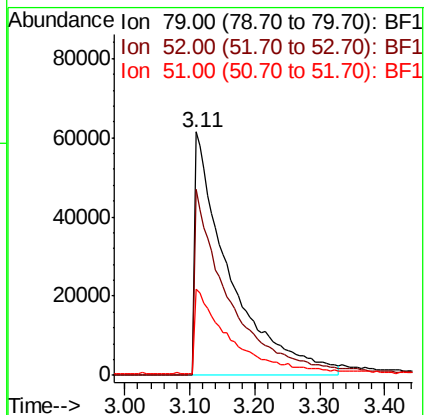
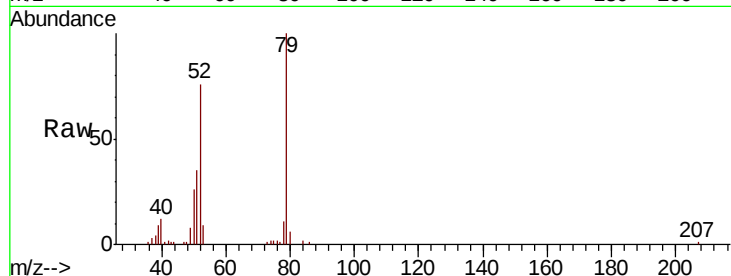
Tgt Ion: 79 Resp: 227759

Ion Ratio Lower Upper

79 100

52 76.3 61.0 91.4

51 35.5 30.6 45.8



#4

n-Nitrosodimethylamine

Concen: 18.708 ng

RT: 3.00 min Scan# 155

Delta R.T. -0.02 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

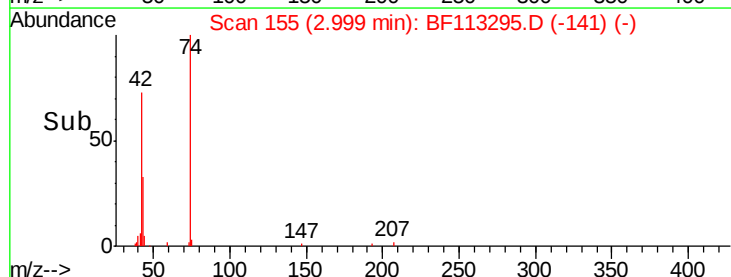
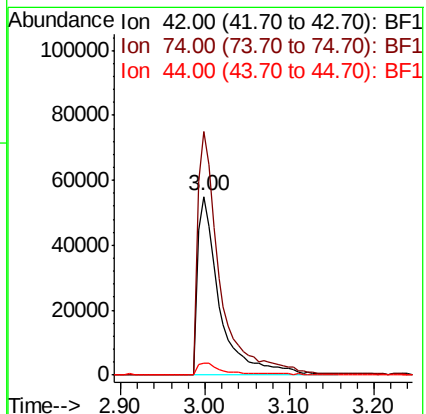
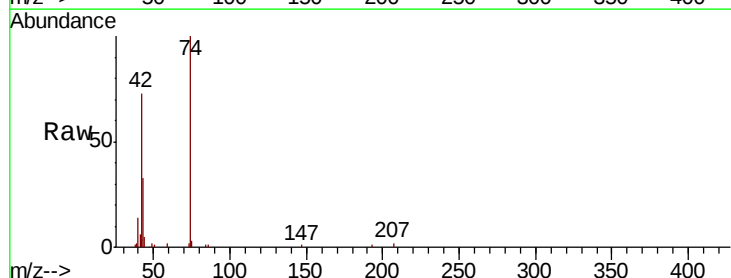
Tgt Ion: 42 Resp: 99023

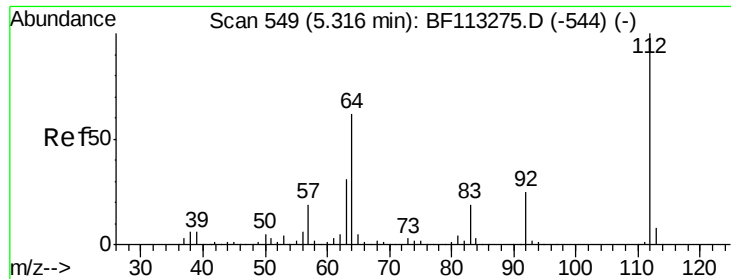
Ion Ratio Lower Upper

42 100

74 136.3 102.4 153.6

44 6.6 5.5 8.3





#5

2-Fluorophenol

Concen: 126.807 ng

RT: 5.32 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

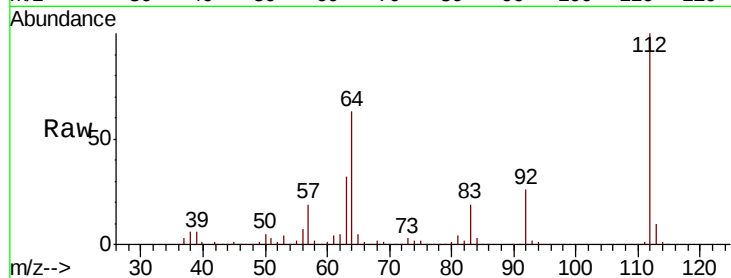
Tgt Ion:112 Resp: 1207126

Ion Ratio Lower Upper

112 100

64 62.7 49.2 73.8

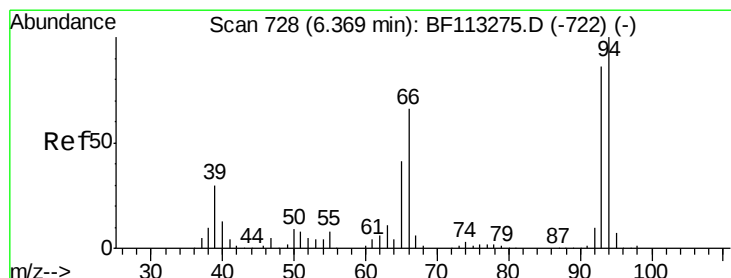
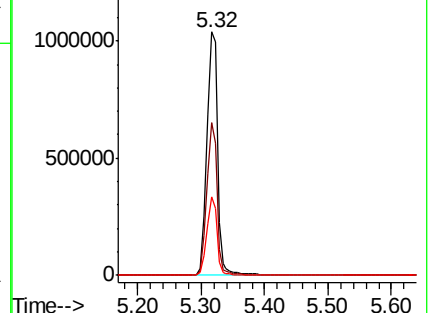
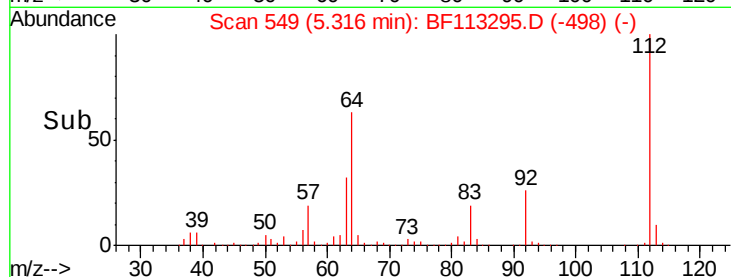
63 32.0 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 19.897 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

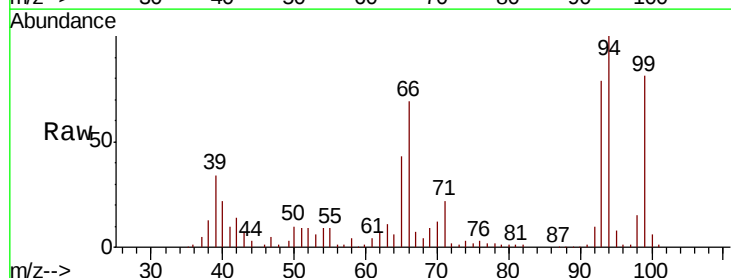
Tgt Ion: 93 Resp: 291785

Ion Ratio Lower Upper

93 100

66 87.4 62.1 93.1

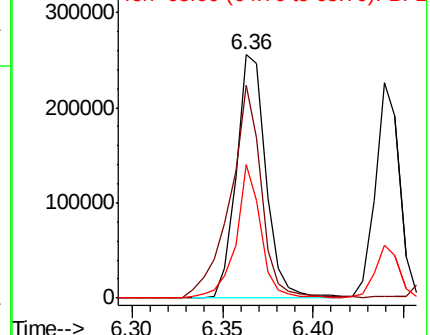
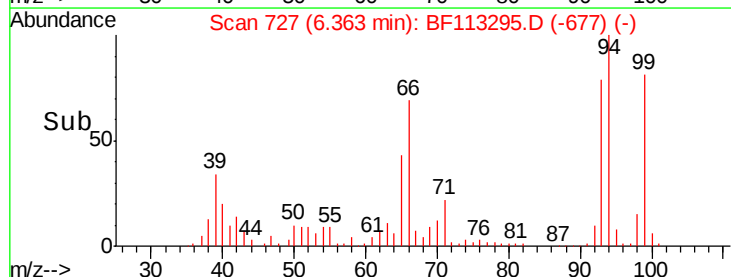
65 54.8 38.7 58.1

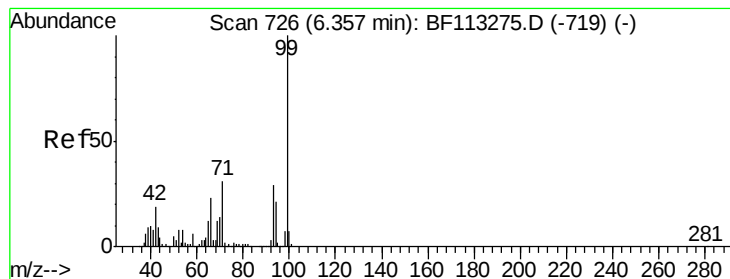


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 121.319 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

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LOQ-SOIL-02-QT1-2019

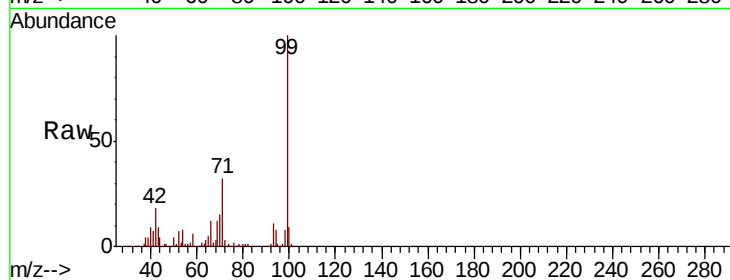
Tgt Ion: 99 Resp: 1460990

Ion Ratio Lower Upper

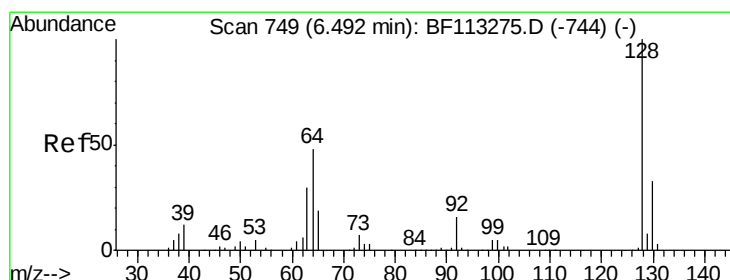
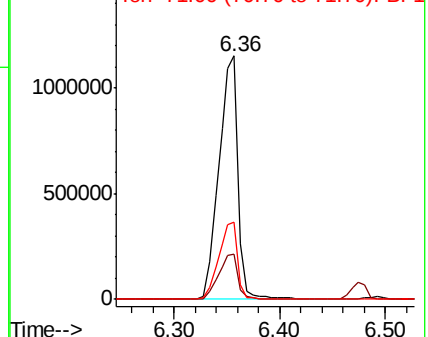
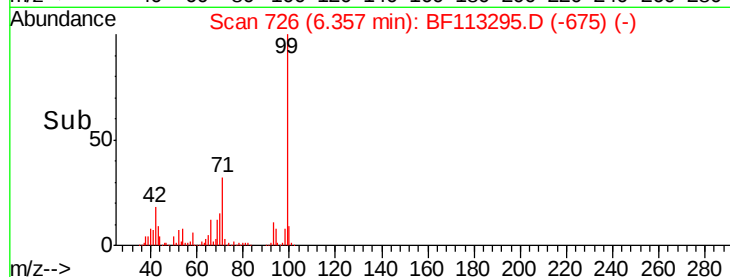
99 100

42 18.5 14.8 22.2

71 31.6 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 19.801 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

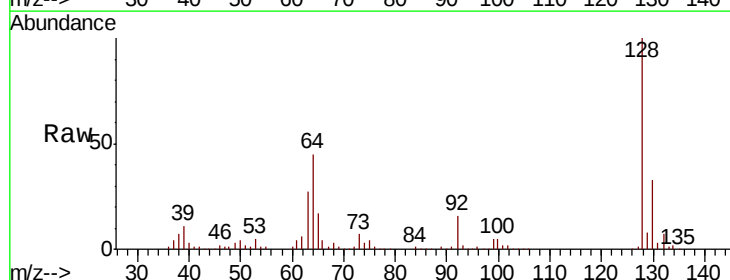
Tgt Ion: 128 Resp: 218890

Ion Ratio Lower Upper

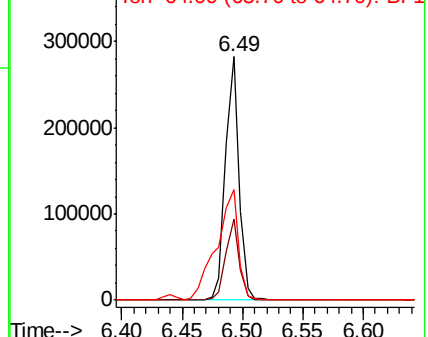
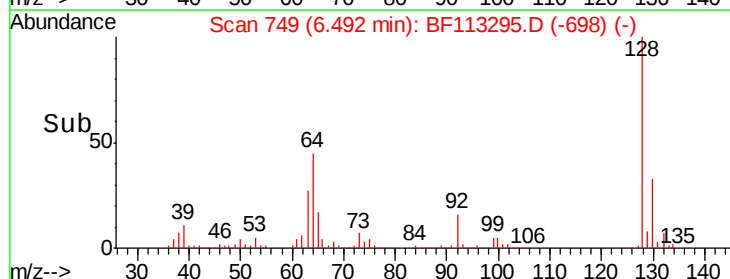
128 100

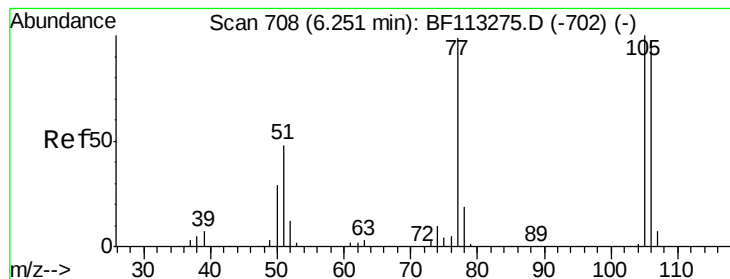
130 33.2 12.6 52.6

64 45.4 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 19.768 ng

RT: 6.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

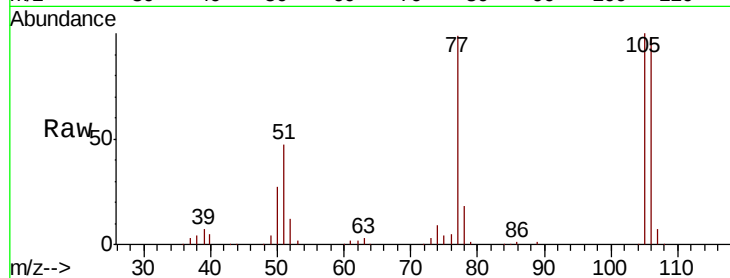
Tgt Ion: 77 Resp: 159745

Ion Ratio Lower Upper

77 100

105 101.1 80.9 120.9

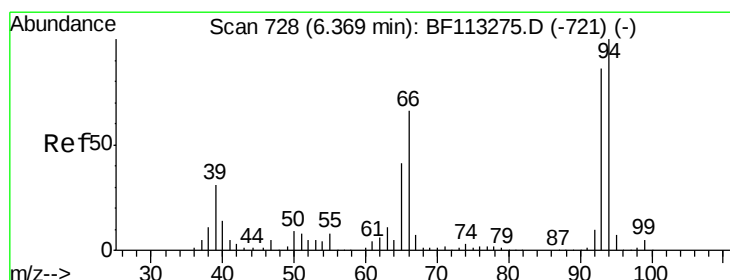
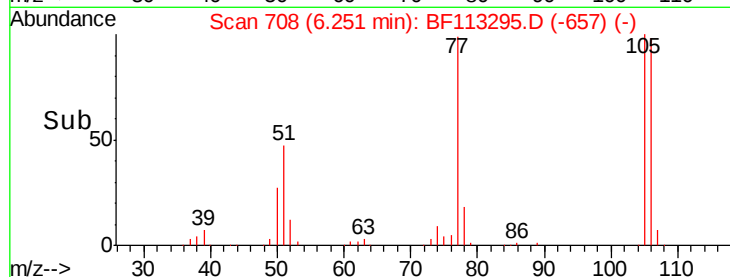
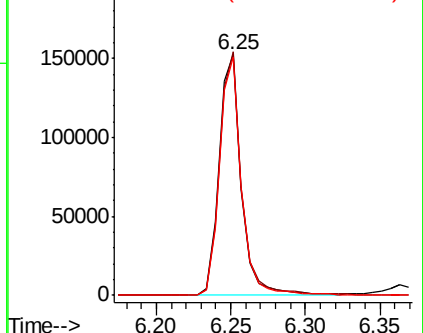
106 99.1 77.8 117.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 20.097 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

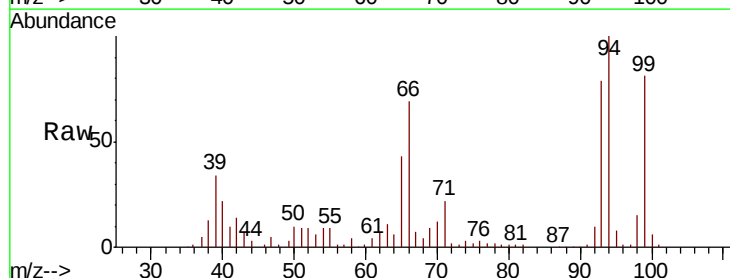
Tgt Ion: 94 Resp: 276302

Ion Ratio Lower Upper

94 100

65 43.1 21.4 61.4

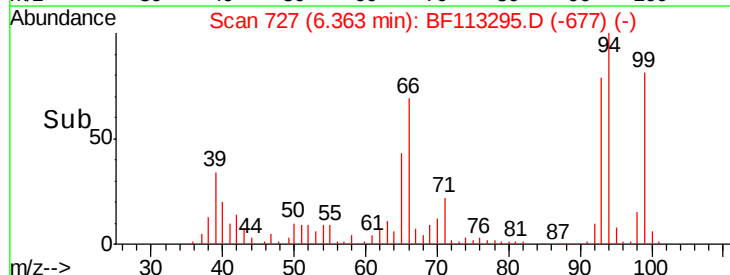
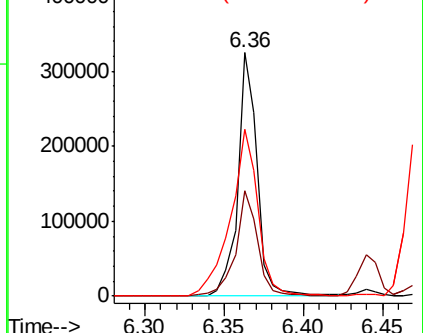
66 68.8 46.4 86.4

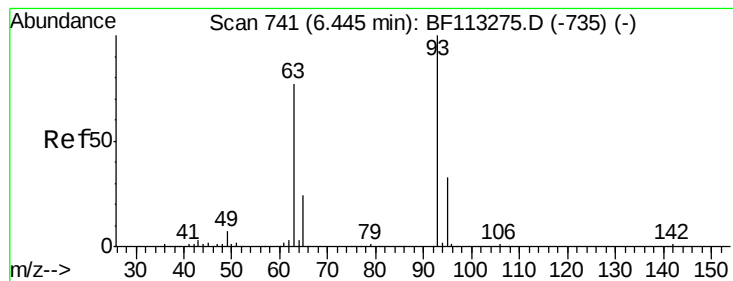


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 19.366 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

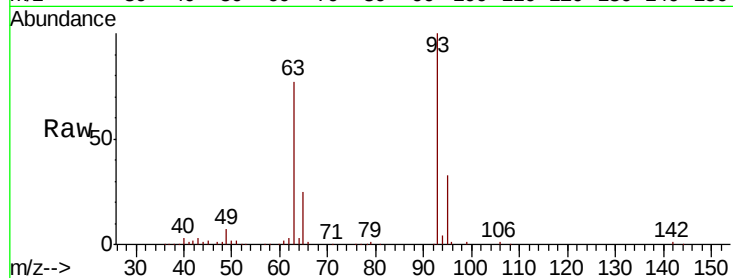
Tgt Ion: 93 Resp: 204088

Ion Ratio Lower Upper

93 100

63 77.0 56.1 96.1

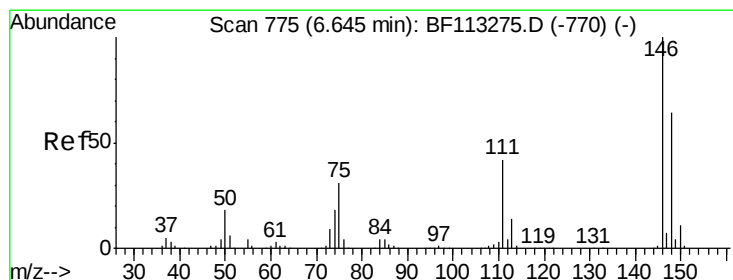
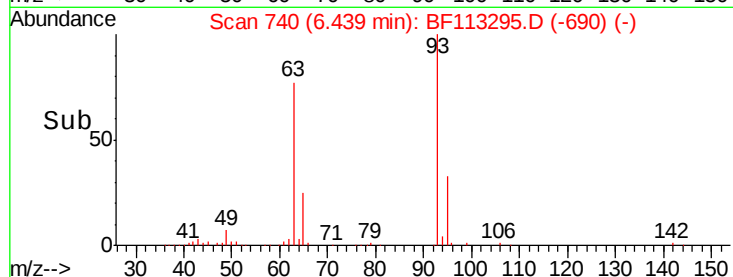
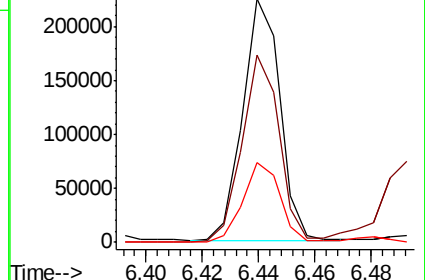
95 32.6 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 20.401 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

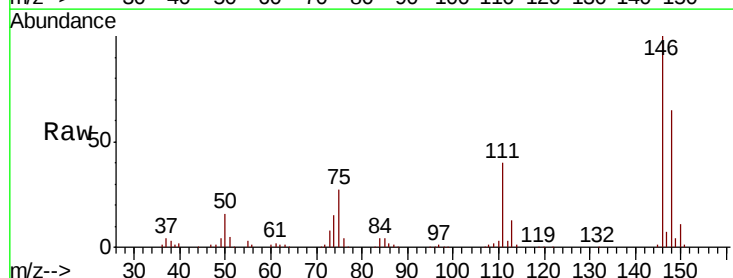
Tgt Ion: 146 Resp: 243092

Ion Ratio Lower Upper

146 100

148 64.7 51.4 77.0

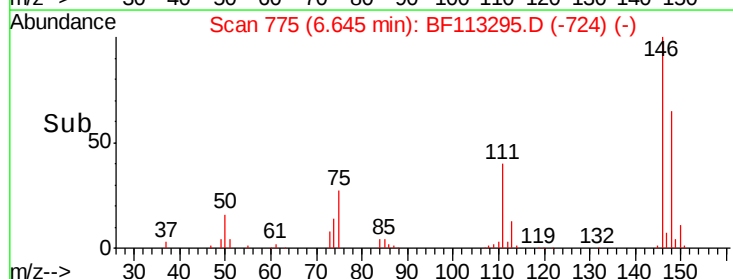
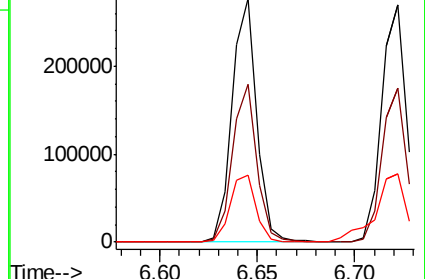
75 27.4 24.8 37.2

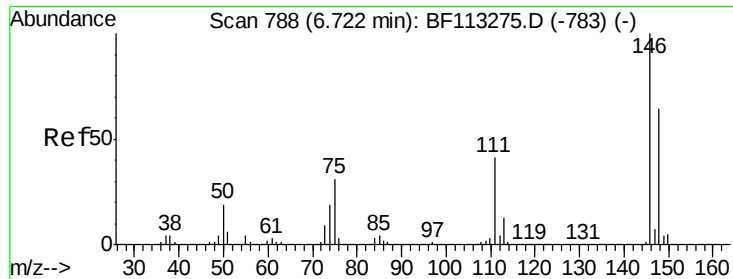


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

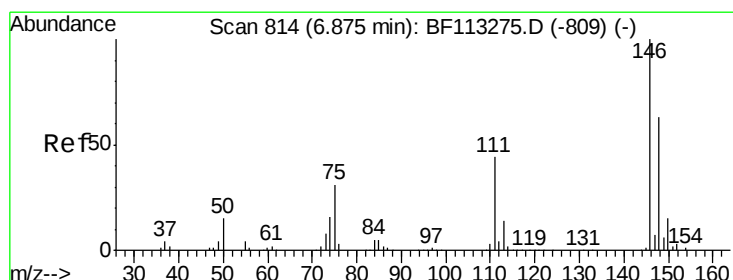
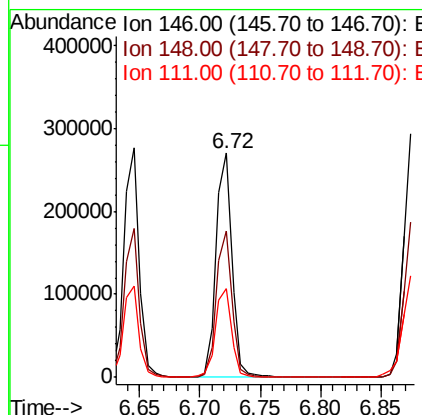
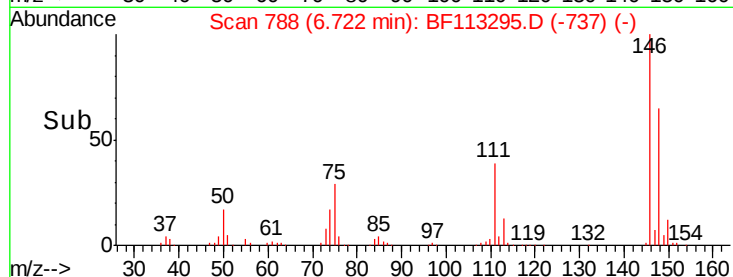
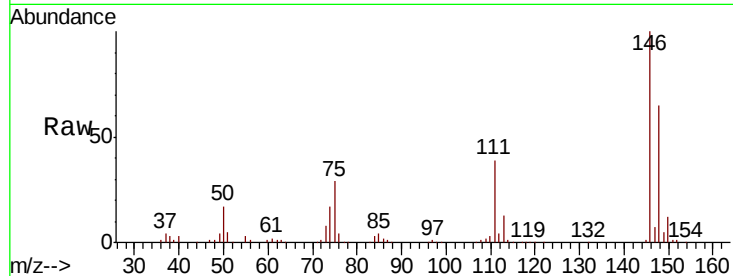




#13
 1,4-Dichlorobenzene
 Concen: 21.194 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

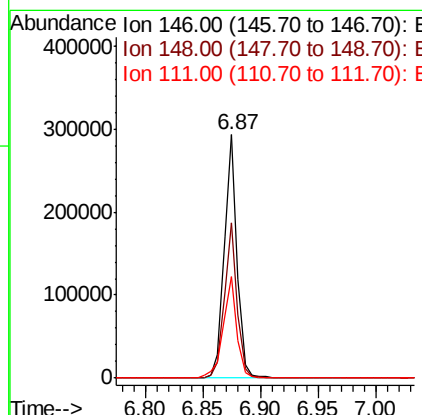
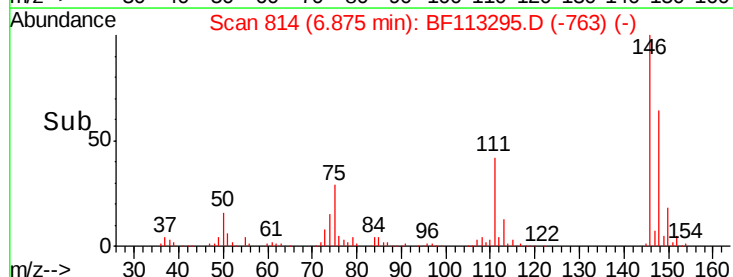
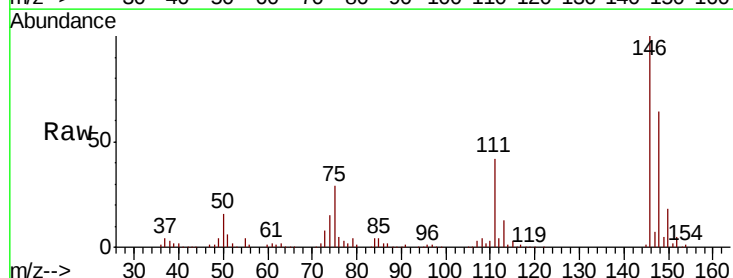
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

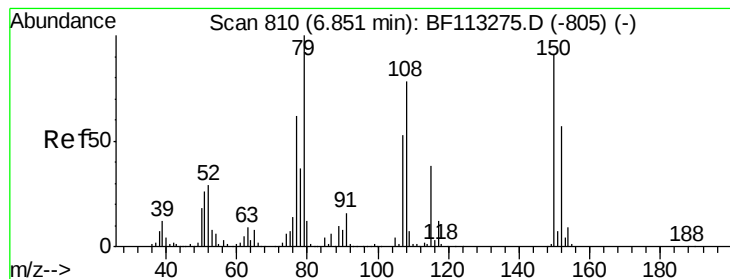
Tgt Ion:146 Resp: 243846
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.1 76.7
 111 39.5 32.8 49.2



#14
 1,2-Dichlorobenzene
 Concen: 20.099 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion:146 Resp: 227500
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.2 75.4
 111 41.6 35.4 53.2





#15

Benzyl Alcohol

Concen: 22.236 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

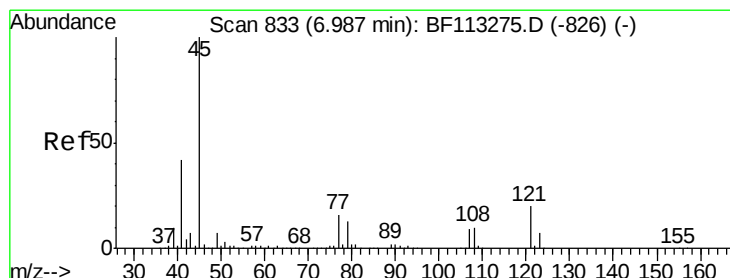
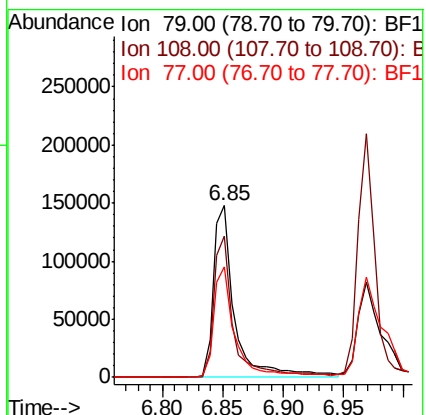
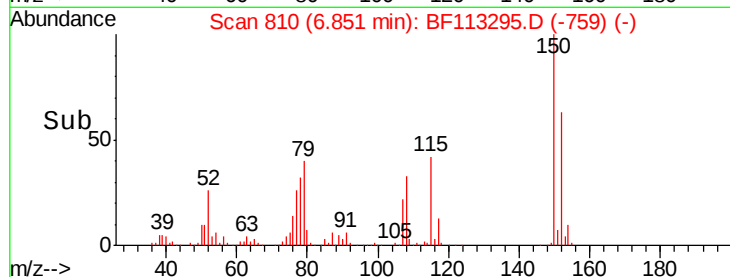
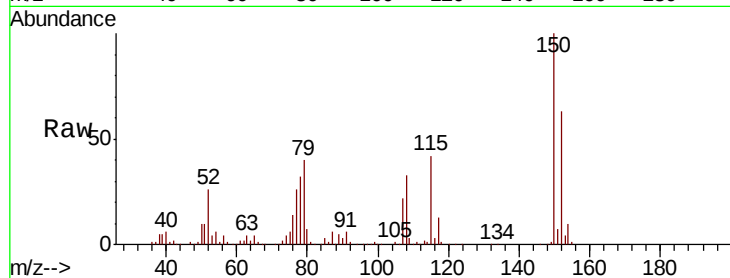
Tgt Ion: 79 Resp: 176654

Ion Ratio Lower Upper

79 100

108 82.0 62.0 93.0

77 64.5 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.451 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

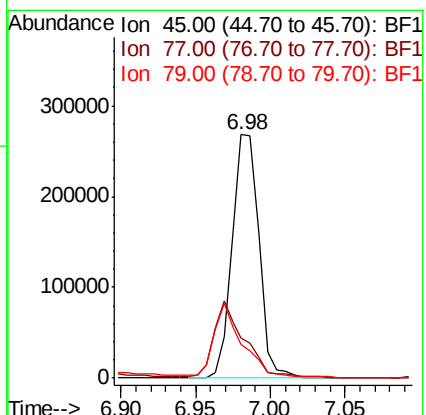
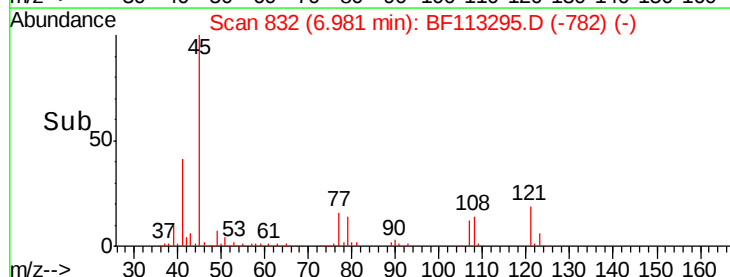
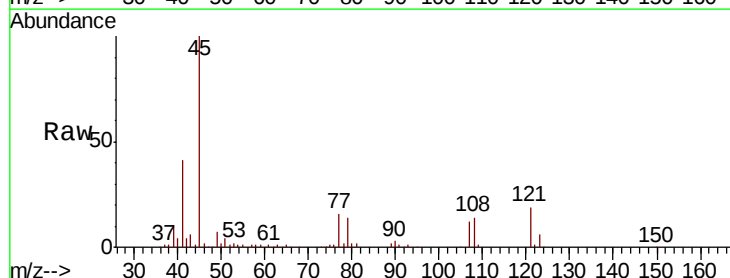
Tgt Ion: 45 Resp: 339601

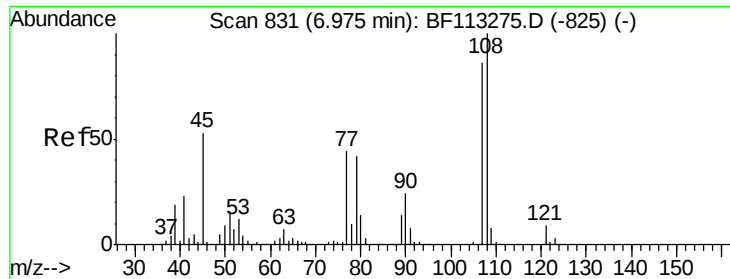
Ion Ratio Lower Upper

45 100

77 16.3 0.0 36.6

79 13.7 0.0 34.0

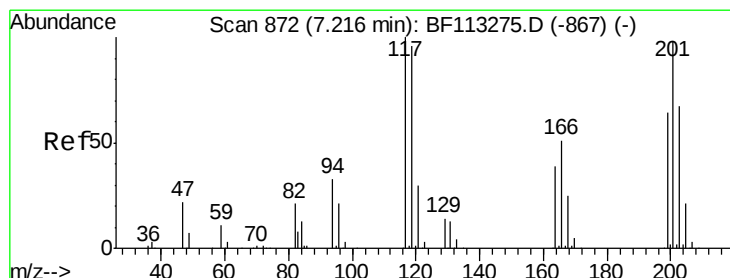
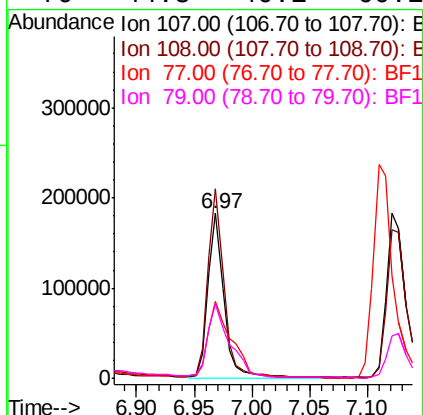
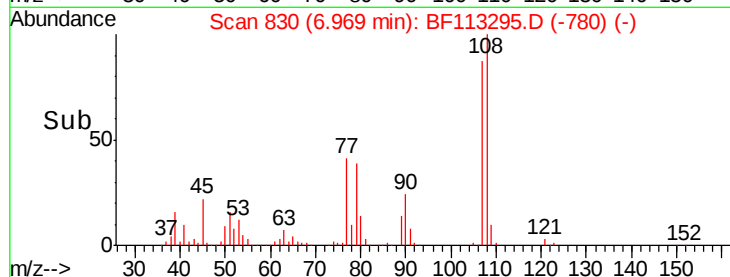
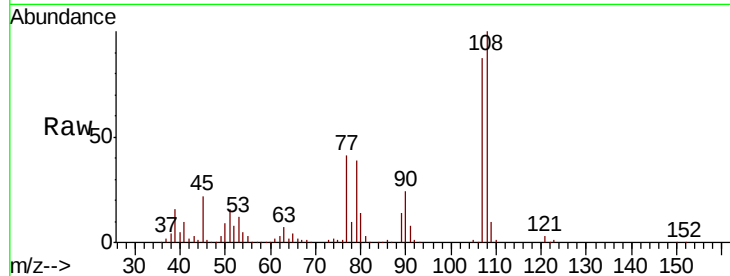




#17
2-Methylphenol
Concen: 20.577 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

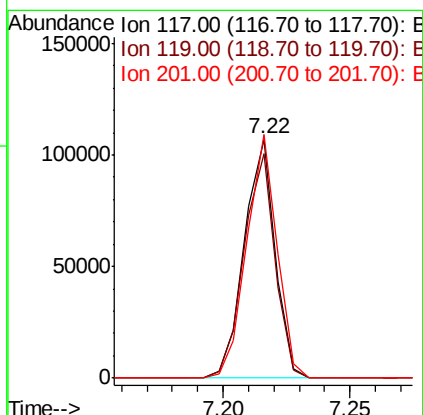
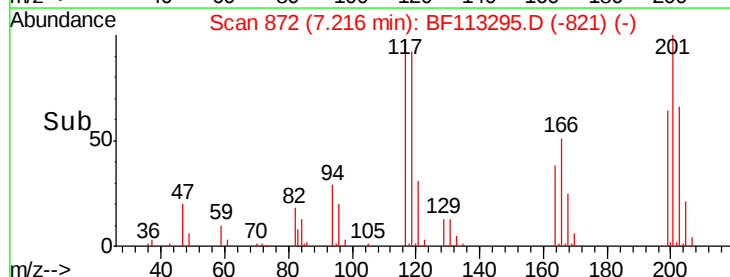
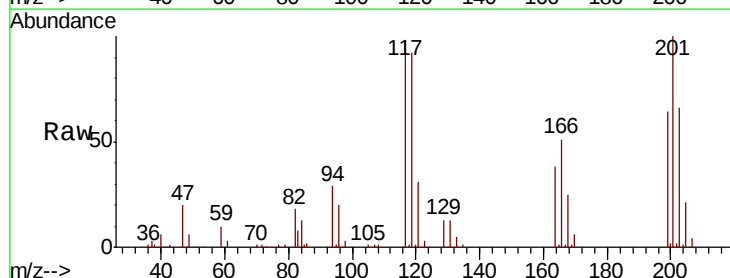
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

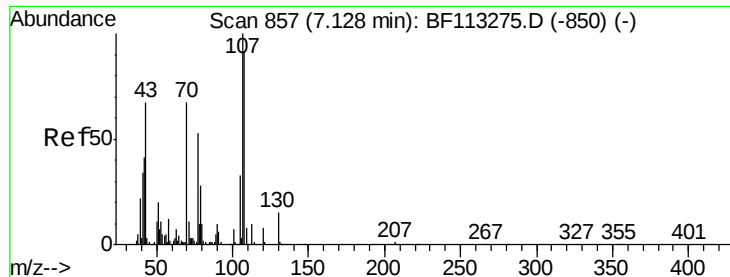
Tgt Ion:107 Resp: 178263
Ion Ratio Lower Upper
107 100
108 114.6 93.4 140.0
77 46.9 41.2 61.8
79 44.8 40.1 60.1



#18
Hexachloroethane
Concen: 21.872 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:117 Resp: 90383
Ion Ratio Lower Upper
117 100
119 94.0 76.9 115.3
201 101.9 78.7 118.1

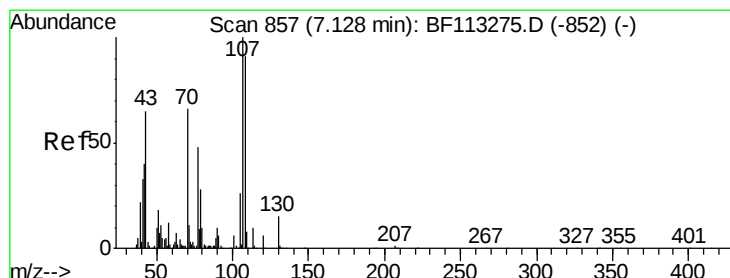
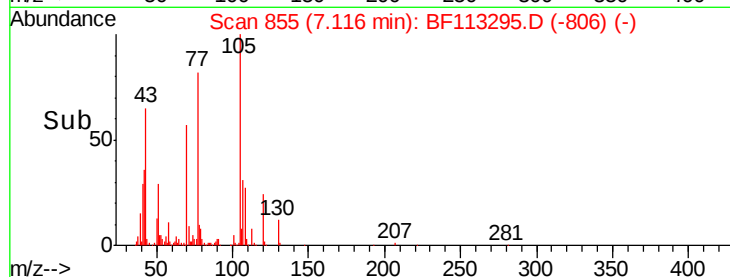
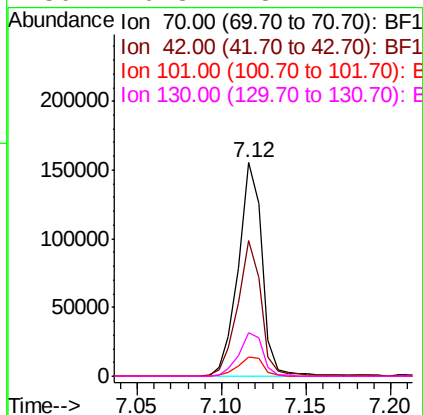
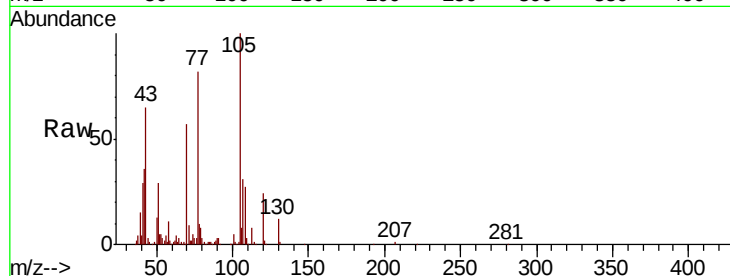




#19
n-Nitroso-di-n-propylamine
Concen: 20.287 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

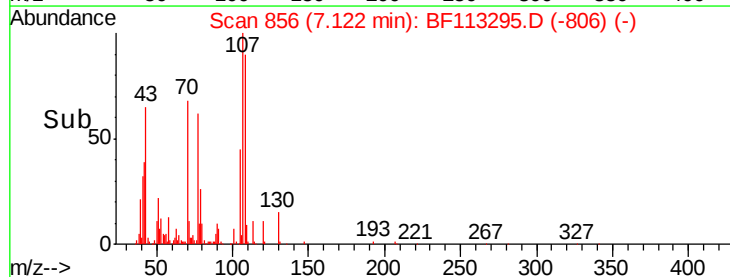
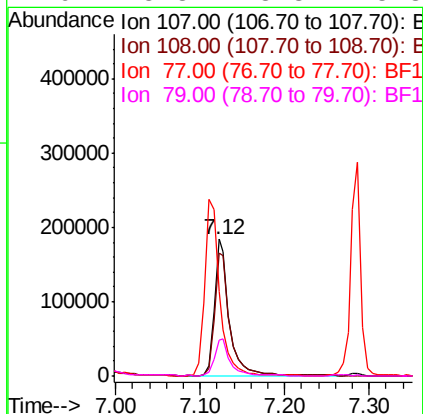
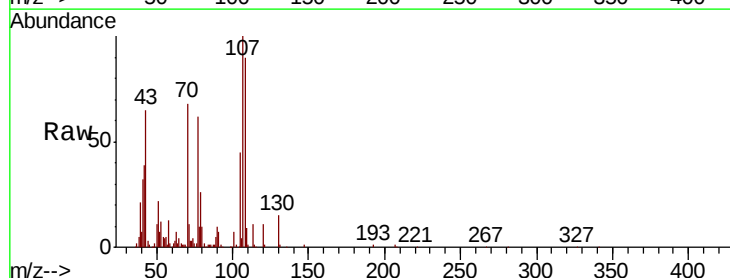
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

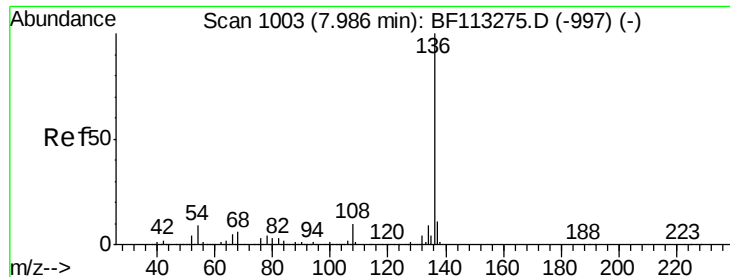
Tgt Ion:	70	Resp:	153458
Ion	Ratio	Lower	Upper
70	100		
42	63.6	48.4	72.6
101	9.2	7.8	11.8
130	20.3	18.2	27.4



#20
3+4-Methylphenols
Concen: 18.298 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:	107	Resp:	226285
Ion	Ratio	Lower	Upper
107	100		
108	89.6	71.4	111.4
77	61.9	33.5	73.5
79	25.8	8.3	48.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:136 Resp: 600198

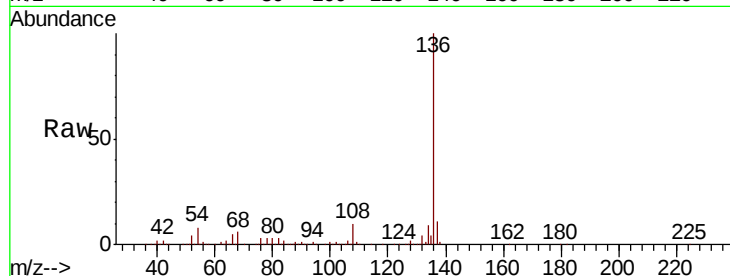
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.9 7.0 10.6

68 6.0 4.8 7.2

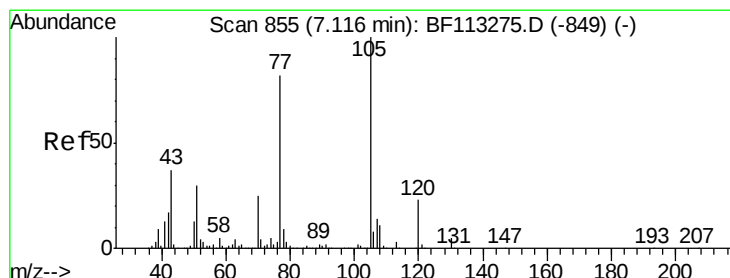
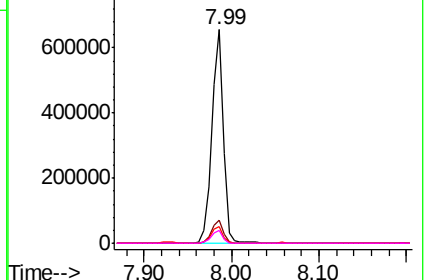
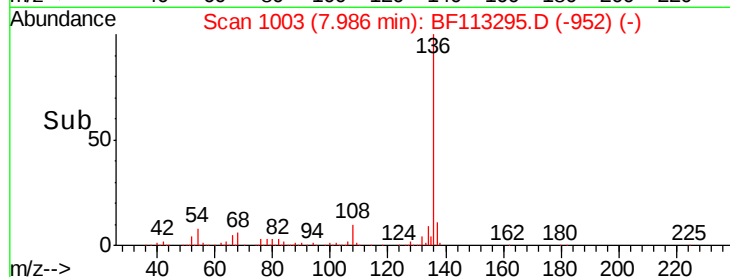


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 21.798 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:105 Resp: 298362

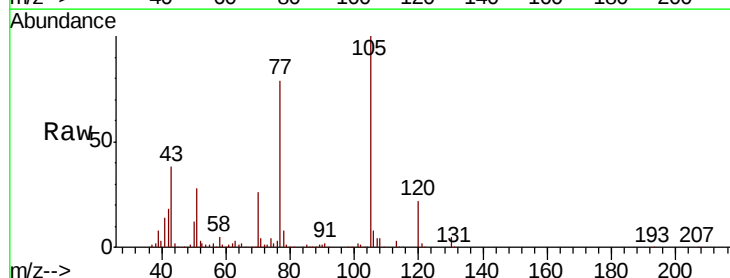
Ion Ratio Lower Upper

105 100

71 4.3 3.3 4.9

51 28.3 24.2 36.2

120 21.8 18.1 27.1

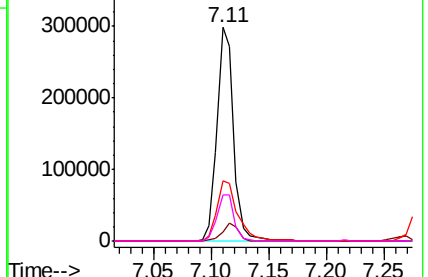
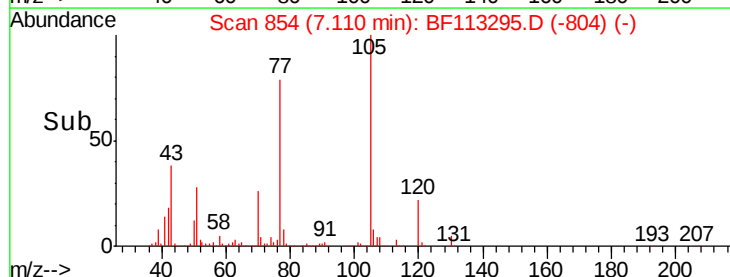


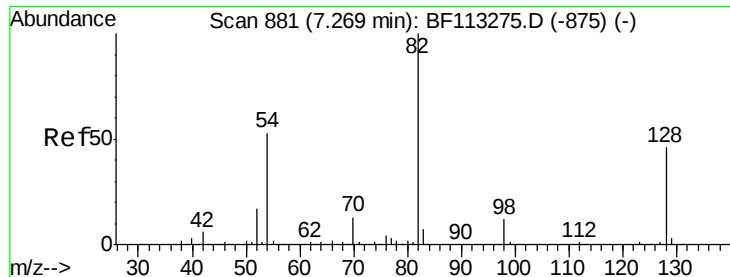
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

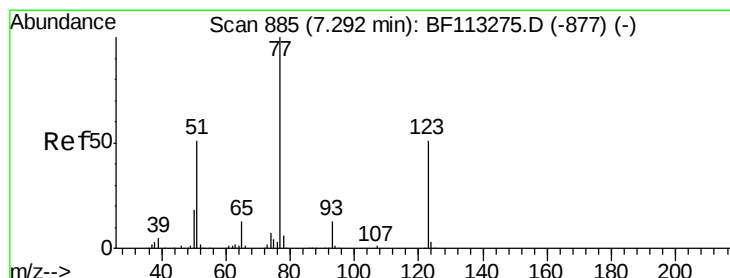
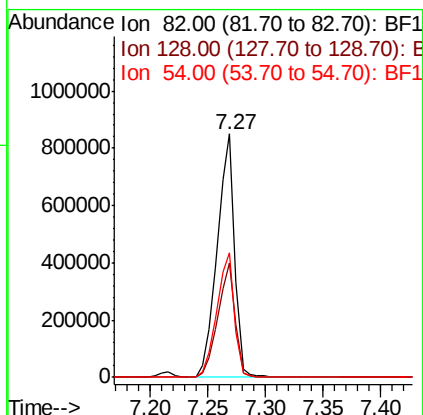
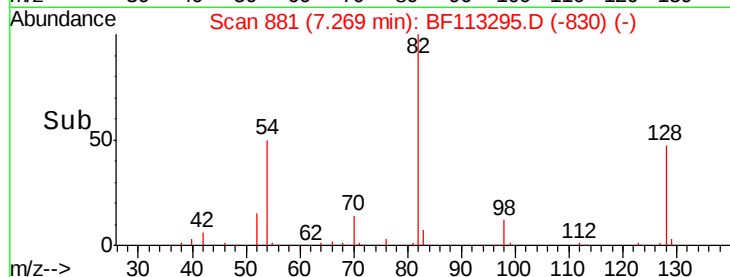
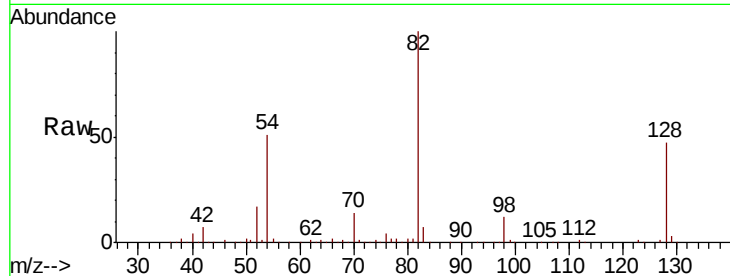




#23
Nitrobenzene-d5
Concen: 88.314 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

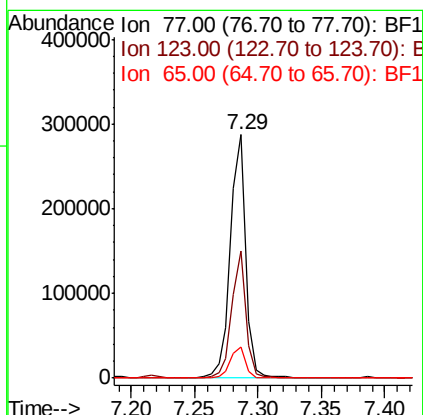
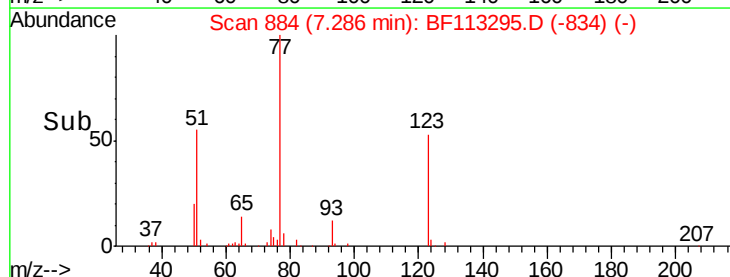
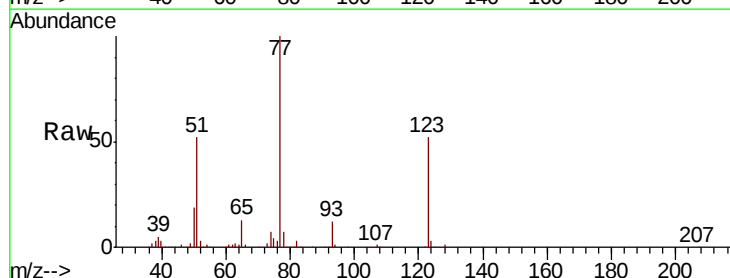
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

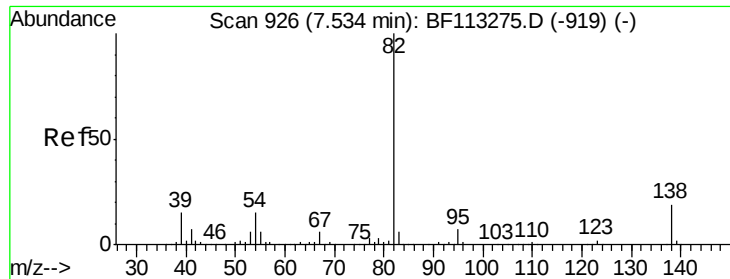
Tgt Ion: 82 Resp: 893042
Ion Ratio Lower Upper
82 100
128 47.1 36.5 54.7
54 51.3 42.2 63.2



#24
Nitrobenzene
Concen: 22.642 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion: 77 Resp: 238921
Ion Ratio Lower Upper
77 100
123 52.4 40.8 61.2
65 13.0 10.6 16.0

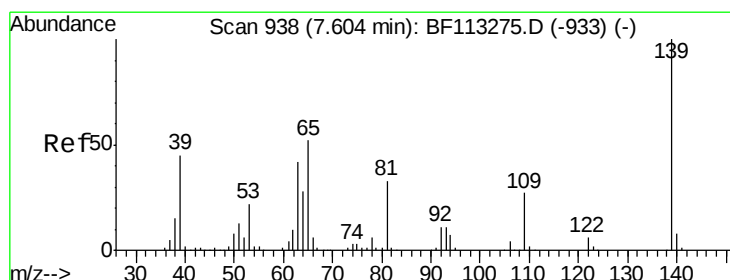
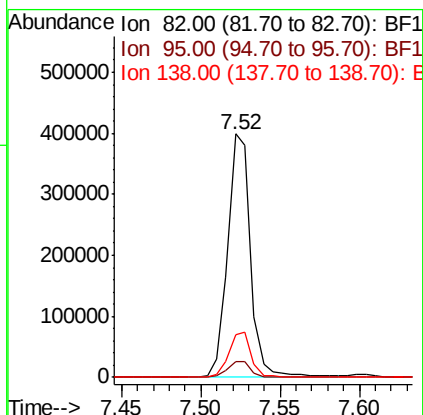
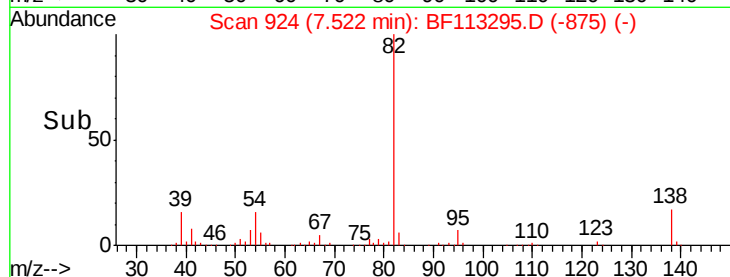
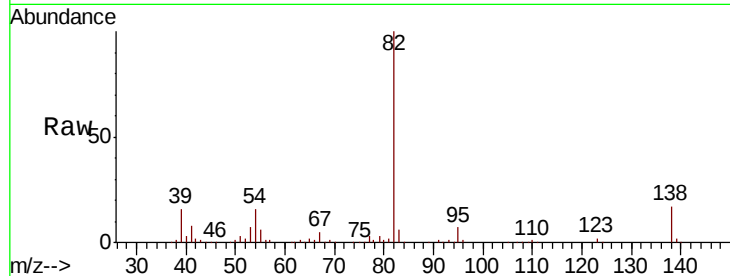




#25
Isophorone
Concen: 20.382 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

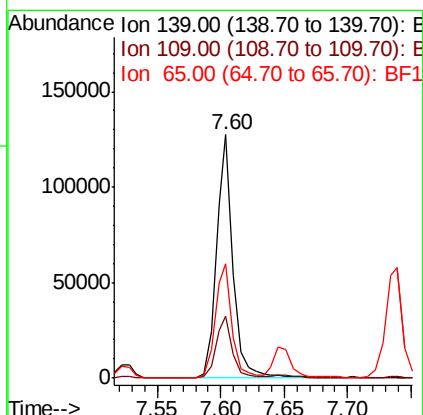
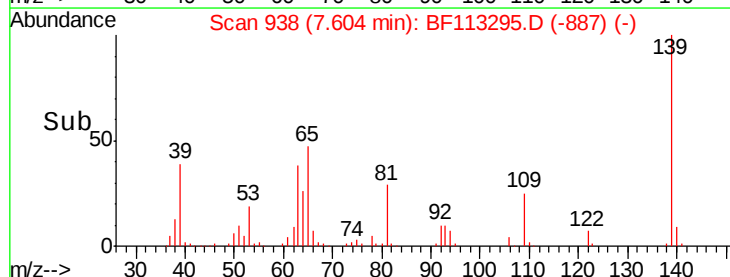
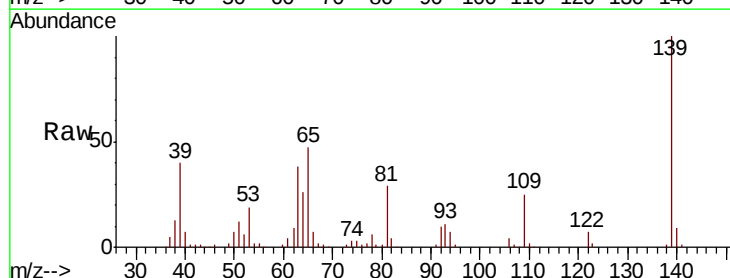
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

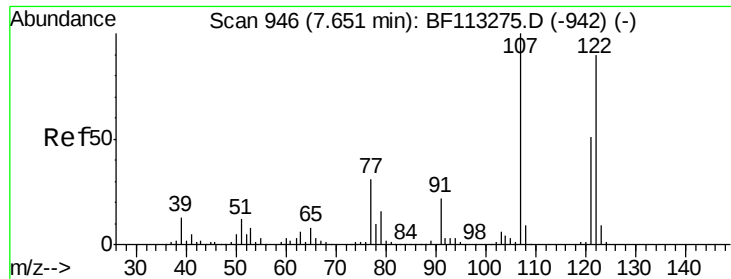
Tgt Ion: 82 Resp: 399433
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 17.4 15.2 22.8



#26
2-Nitrophenol
Concen: 21.035 ng
RT: 7.60 min Scan# 938
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion: 139 Resp: 117328
Ion Ratio Lower Upper
139 100
109 25.2 21.7 32.5
65 47.0 41.6 62.4

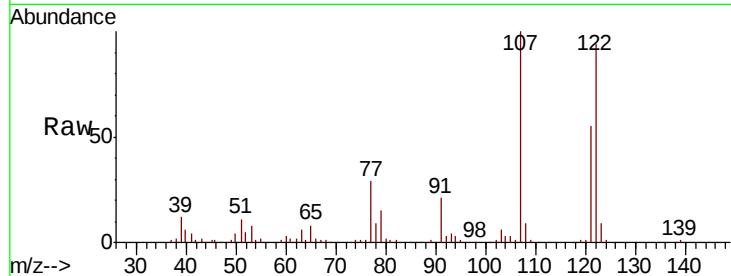




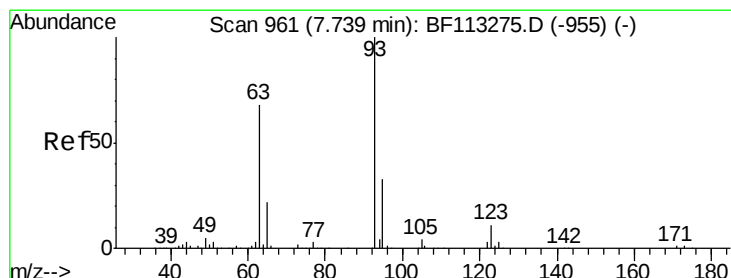
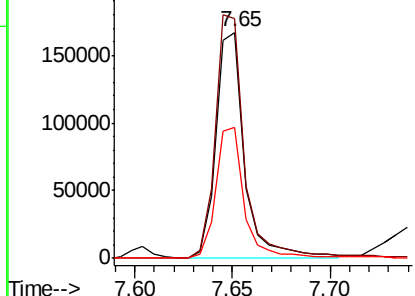
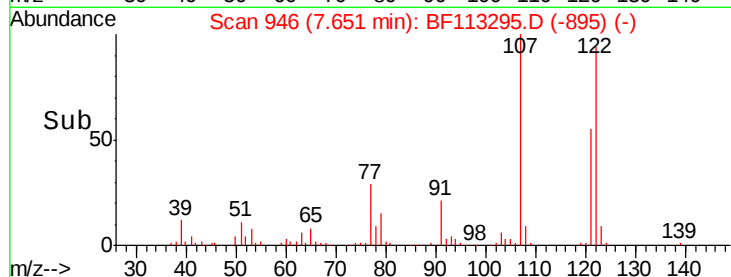
#27
2,4-Dimethylphenol
Concen: 21.254 ng
RT: 7.65 min Scan# 946
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:122 Resp: 170529
Ion Ratio Lower Upper
122 100
107 106.1 88.8 133.2
121 58.2 45.5 68.3

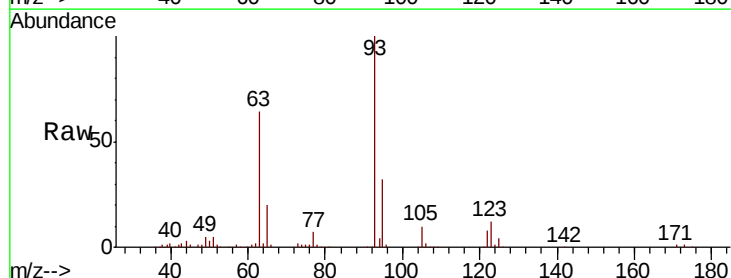


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

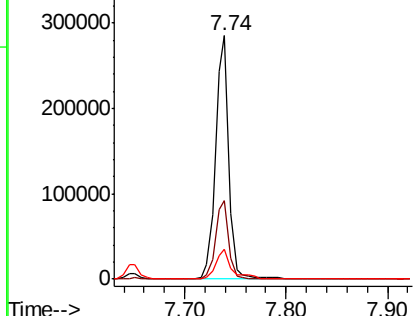
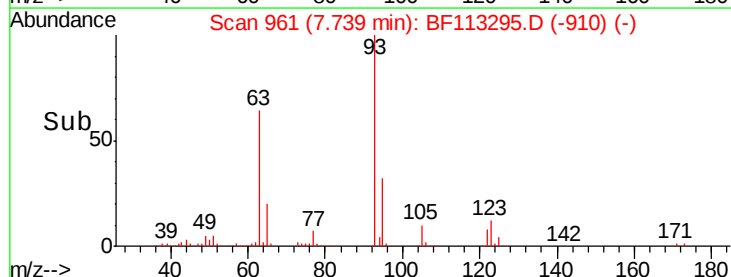


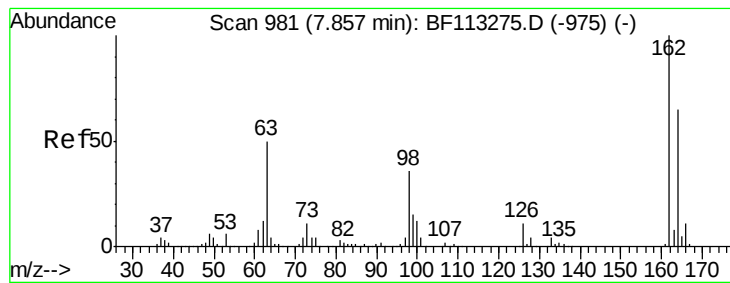
#28
bis(2-Chloroethoxy)methane
Concen: 20.956 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion: 93 Resp: 258619
Ion Ratio Lower Upper
93 100
95 32.2 26.0 39.0
123 12.3 9.1 13.7



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E

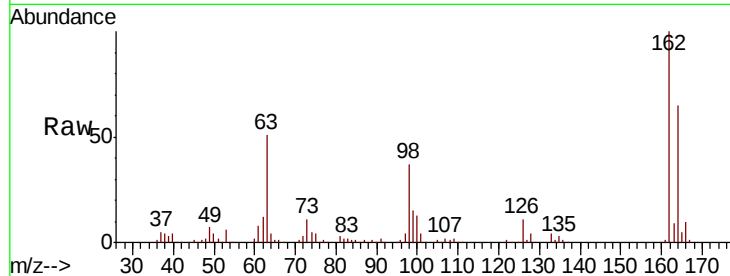




#29
2,4-Dichlorophenol
Concen: 21.094 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.6	84.6
98	37.1	15.6	55.6

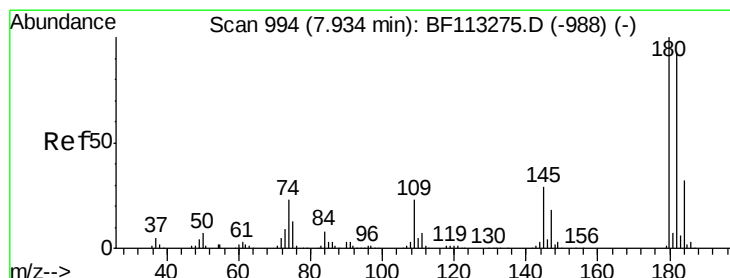
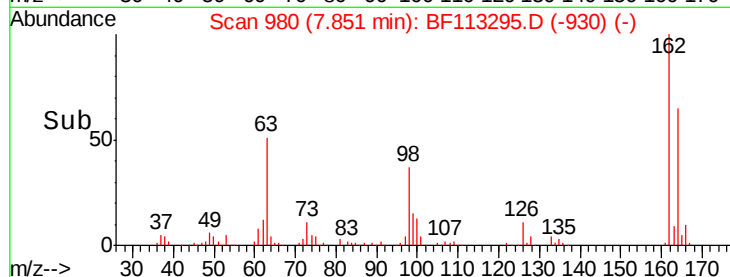
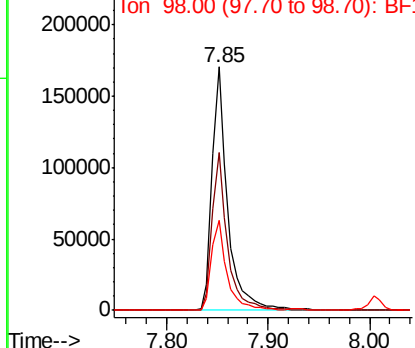


Abundance

Ion 162.00 (161.70 to 162.70): E

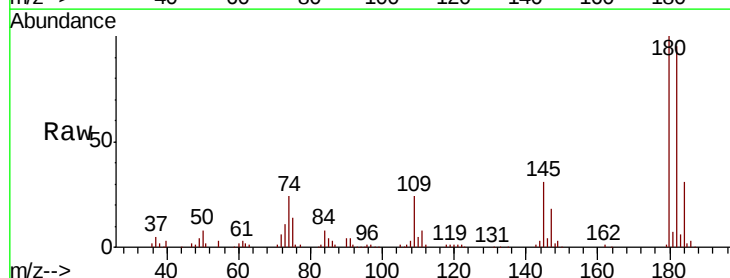
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 21.417 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.6	111.8
145	30.6	23.4	35.0

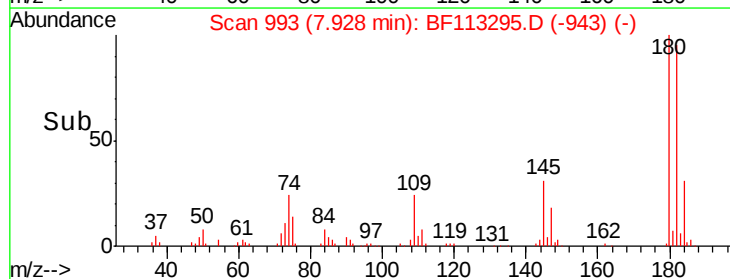
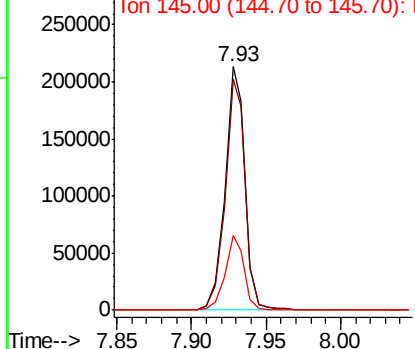


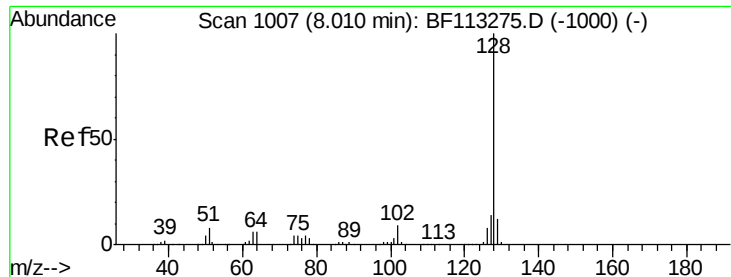
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

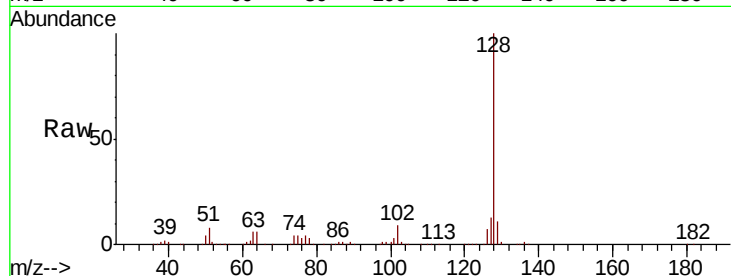




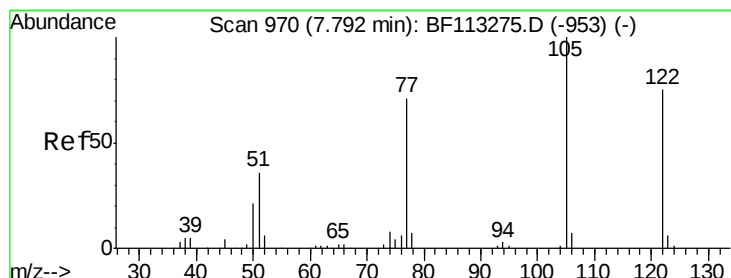
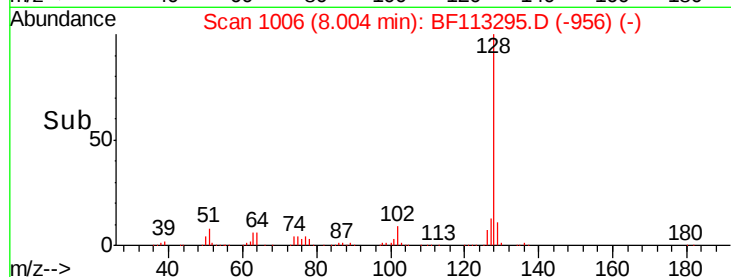
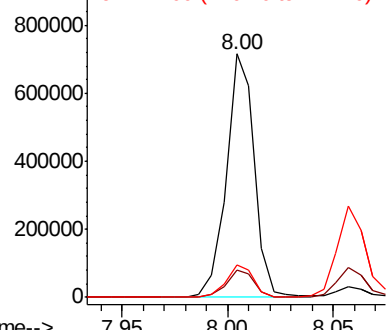
#31
Naphthalene
Concen: 22.545 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:128 Resp: 661238
Ion Ratio Lower Upper
128 100
129 11.3 9.3 13.9
127 13.1 10.9 16.3

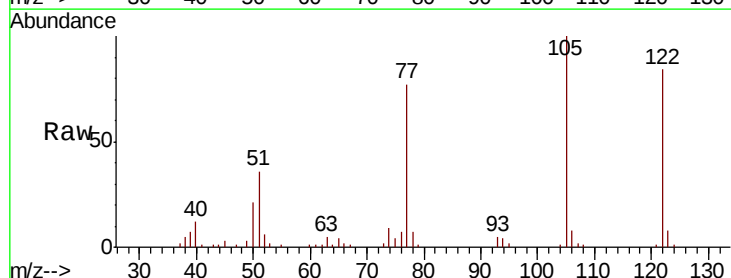


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

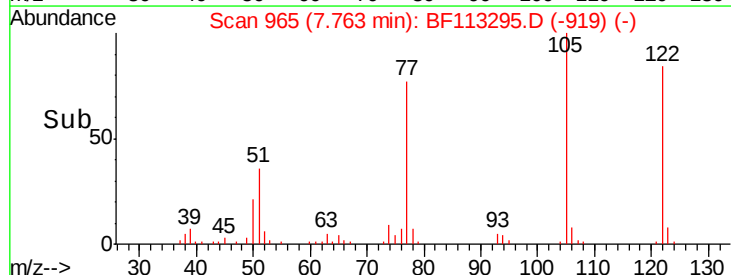
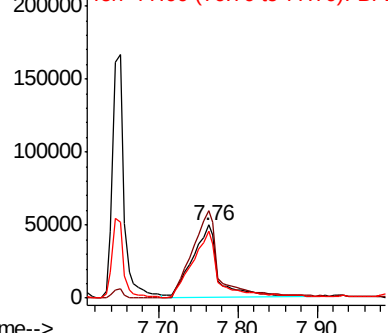


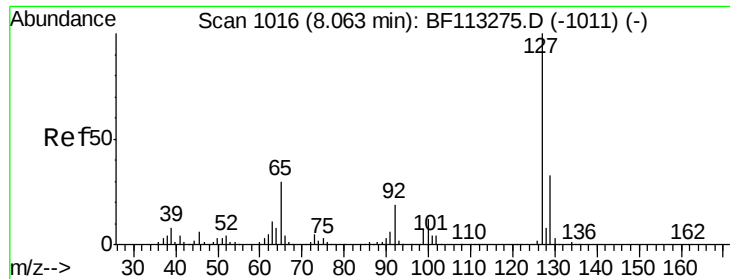
#32
Benzoic acid
Concen: 17.345 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:122 Resp: 112023
Ion Ratio Lower Upper
122 100
105 119.3 100.4 140.4
77 91.3 69.0 109.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

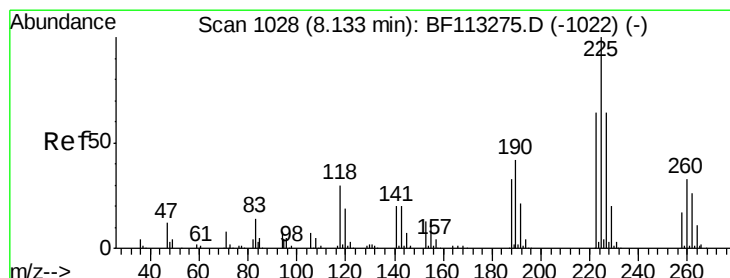
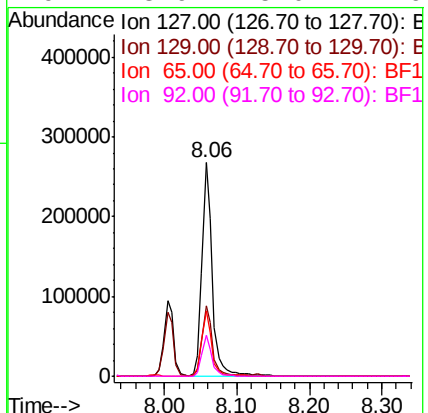
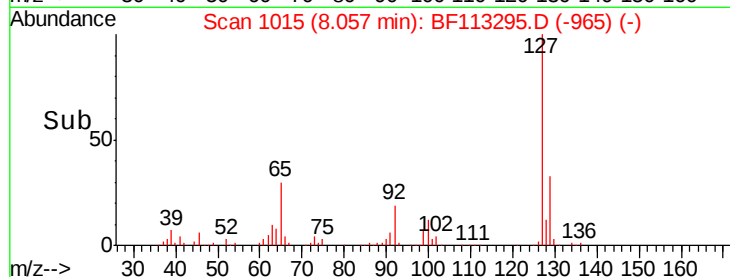
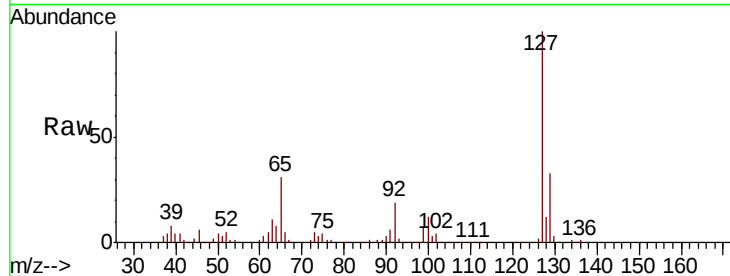




#33
4-Chloroaniline
Concen: 23.411 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

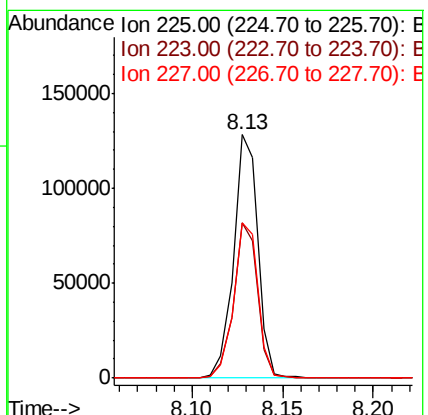
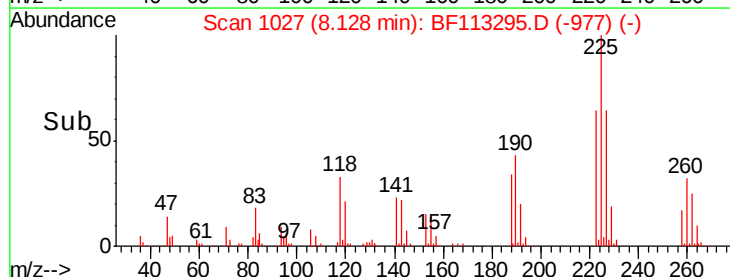
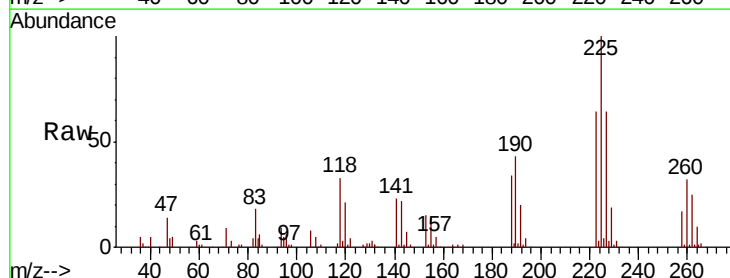
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

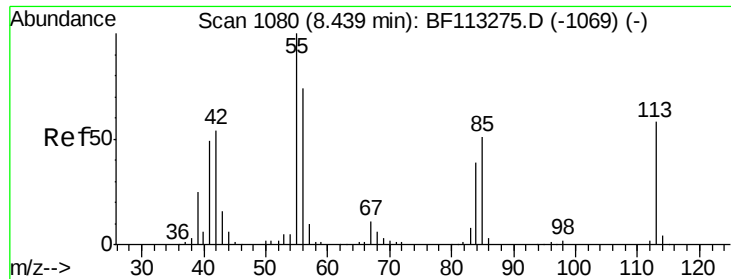
Tgt Ion:	127	Resp:	267760
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.3	39.5
65	30.5	24.2	36.4
92	18.9	15.0	22.6



#34
Hexachlorobutadiene
Concen: 21.415 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:	225	Resp:	119398
Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.4	77.2
227	63.8	51.1	76.7

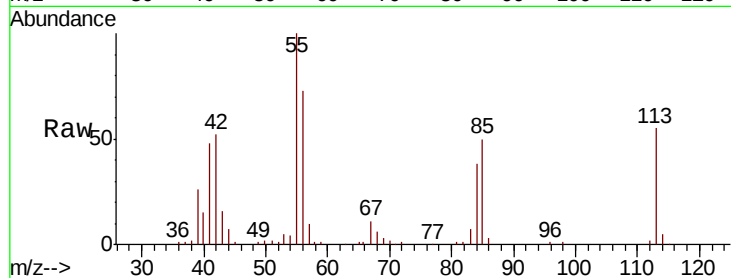




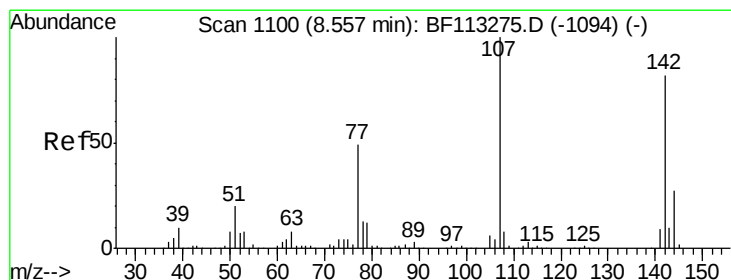
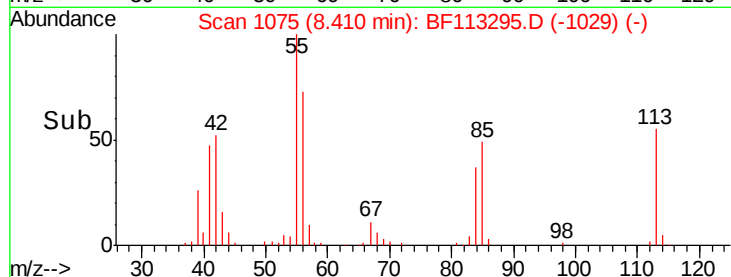
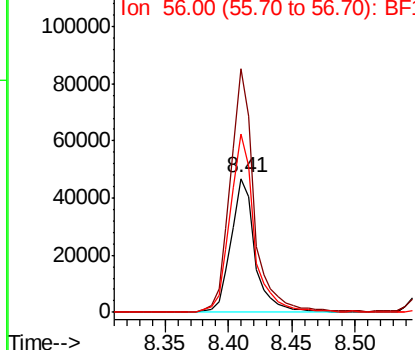
#35
 Caprolactam
 Concen: 21.829 ng
 RT: 8.41 min Scan# 1075
 Delta R.T. -0.03 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:113 Resp: 60915
 Ion Ratio Lower Upper
 113 100
 55 182.0 152.7 192.7
 56 132.9 108.3 148.3

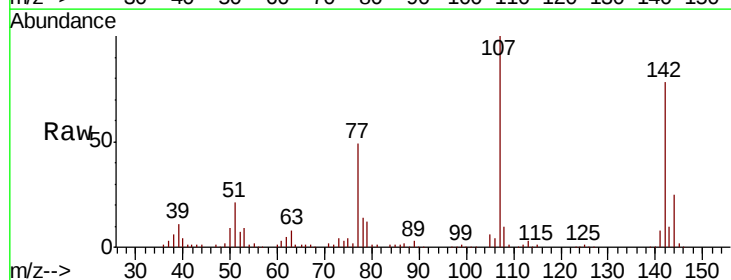


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

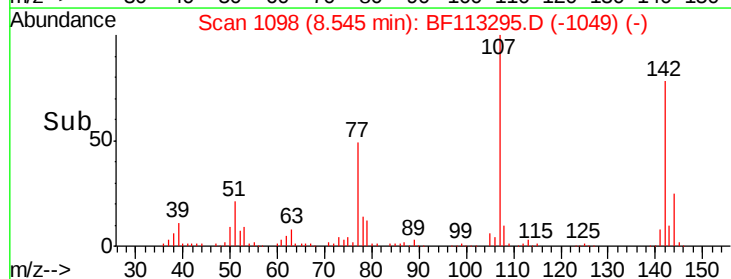
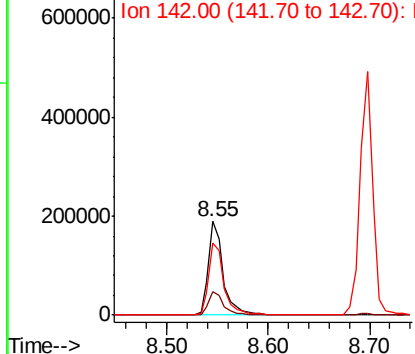


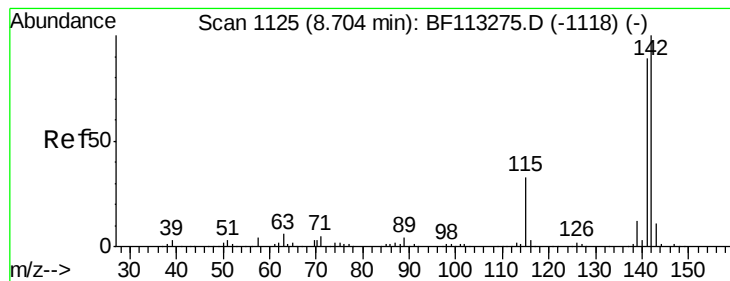
#36
 4-Chloro-3-methylphenol
 Concen: 22.005 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion:107 Resp: 192441
 Ion Ratio Lower Upper
 107 100
 144 24.7 21.4 32.0
 142 77.6 65.6 98.4



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 23.239 ng

RT: 8.70 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

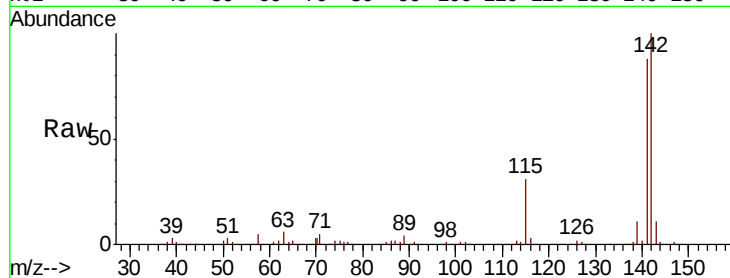
Tgt Ion:142 Resp: 425294

Ion Ratio Lower Upper

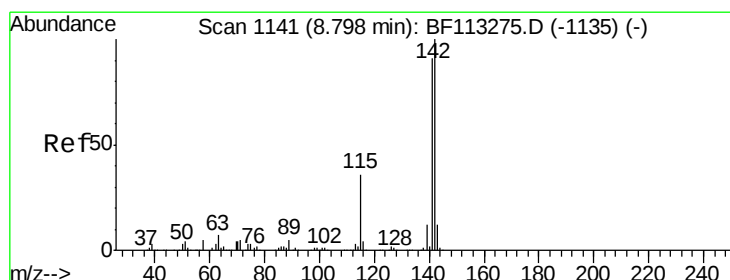
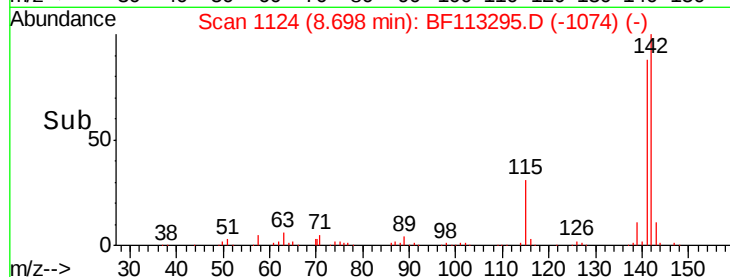
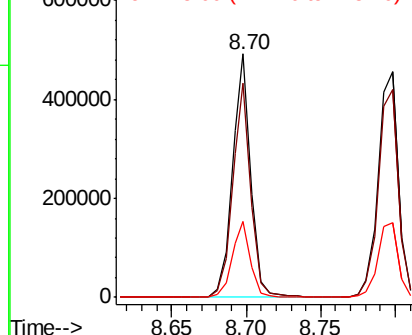
142 100

141 87.8 71.0 106.6

115 31.4 26.6 39.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 23.872 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

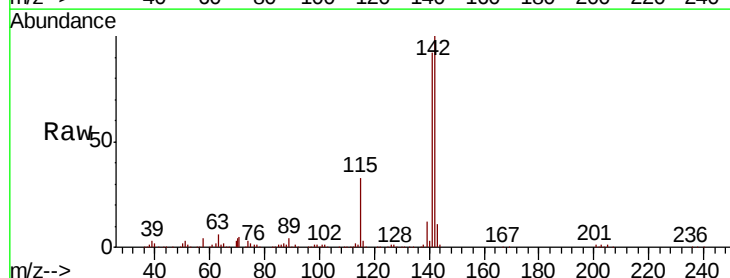
Tgt Ion:142 Resp: 420222

Ion Ratio Lower Upper

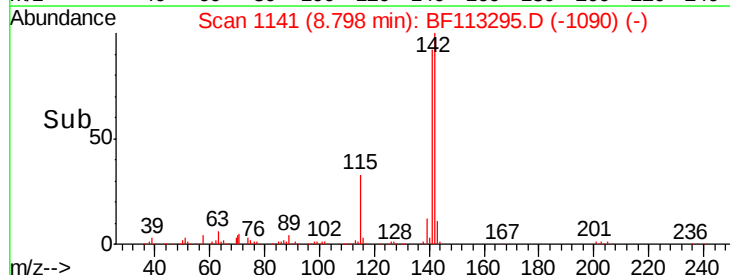
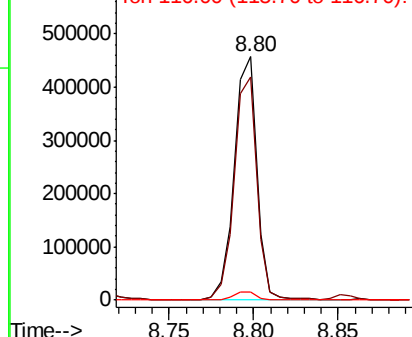
142 100

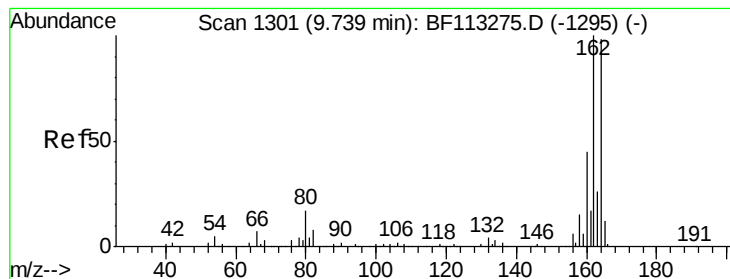
141 91.9 73.2 109.8

116 3.4 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

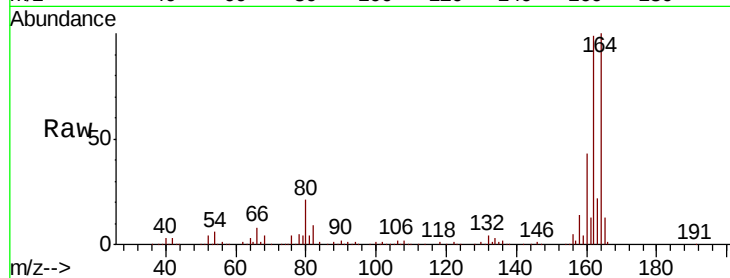
Tgt Ion:164 Resp: 310889

Ion Ratio Lower Upper

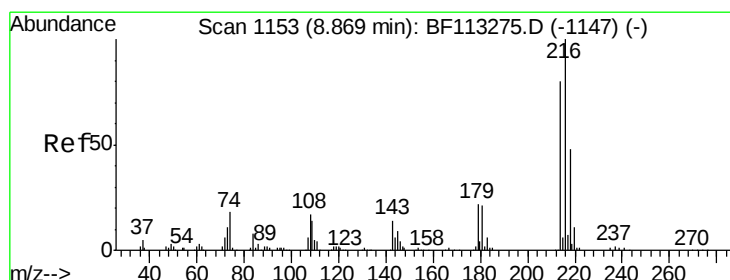
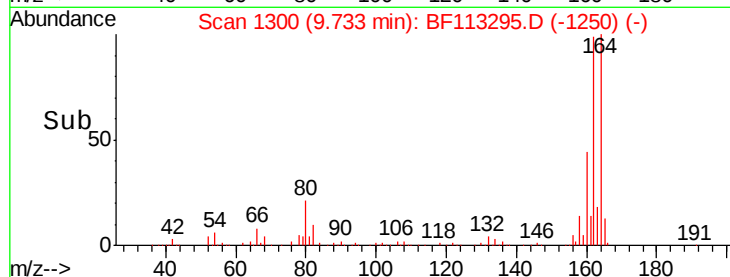
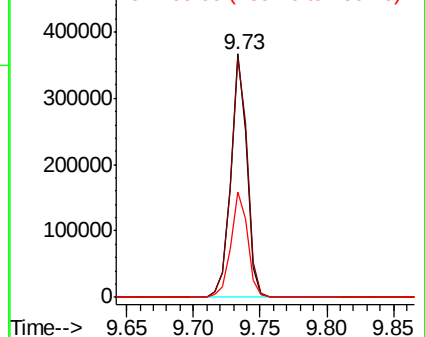
164 100

162 98.6 81.8 122.6

160 43.5 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.950 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:216 Resp: 209070

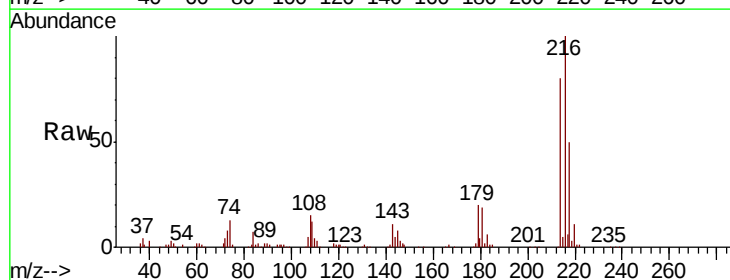
Ion Ratio Lower Upper

216 100

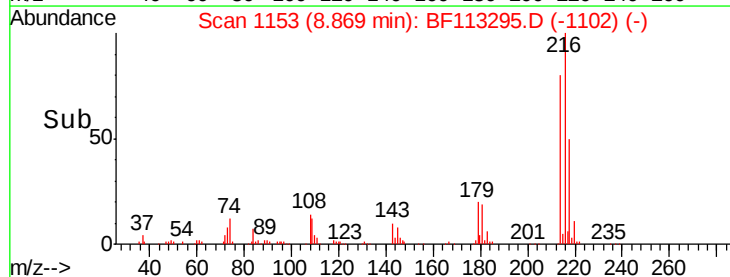
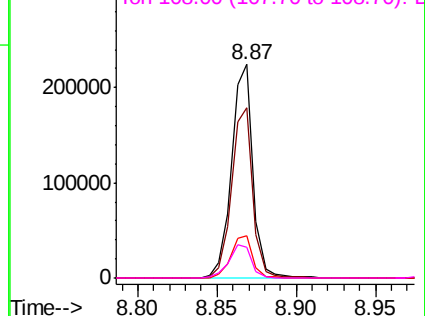
214 79.4 63.0 94.6

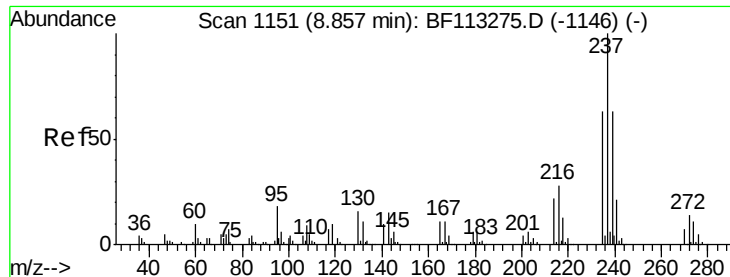
179 20.2 16.8 25.2

108 16.8 13.8 20.6



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 14.904 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

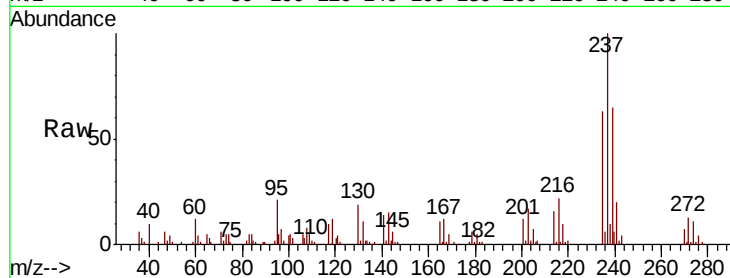
Tgt Ion: 237 Resp: 62954

Ion Ratio Lower Upper

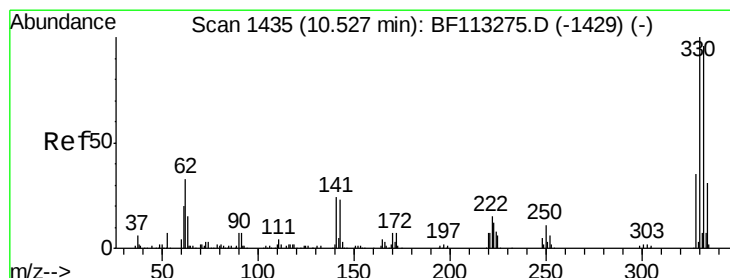
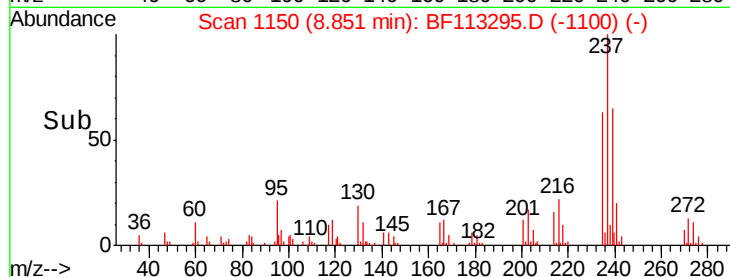
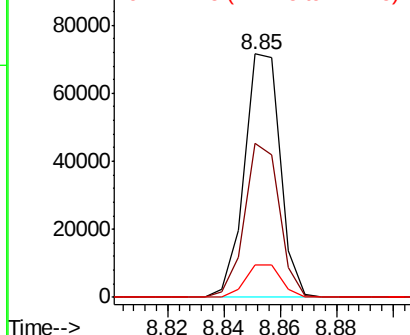
237 100

235 63.2 43.4 83.4

272 13.4 0.0 33.7



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 125.539 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

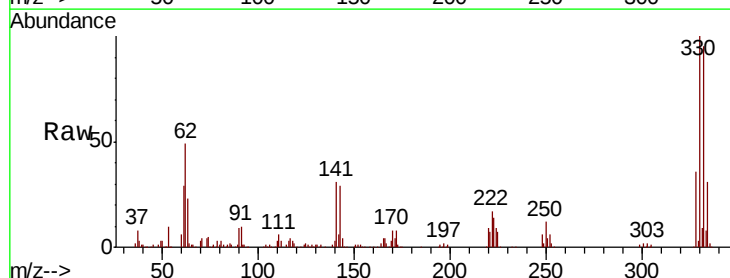
Tgt Ion: 330 Resp: 482092

Ion Ratio Lower Upper

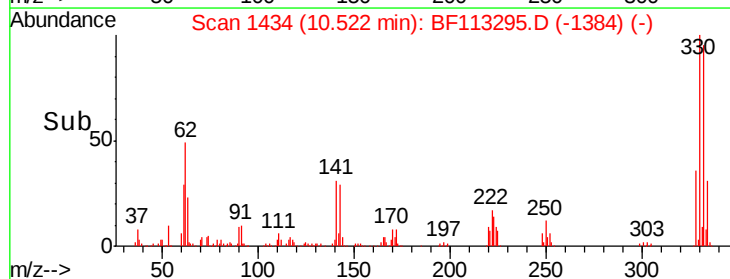
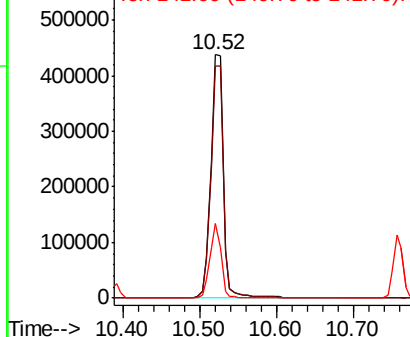
330 100

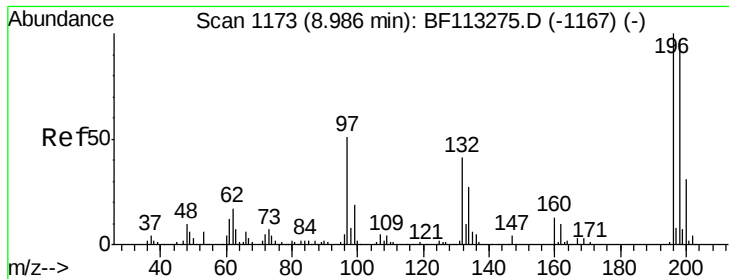
332 95.9 77.8 116.6

141 27.9 22.7 34.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

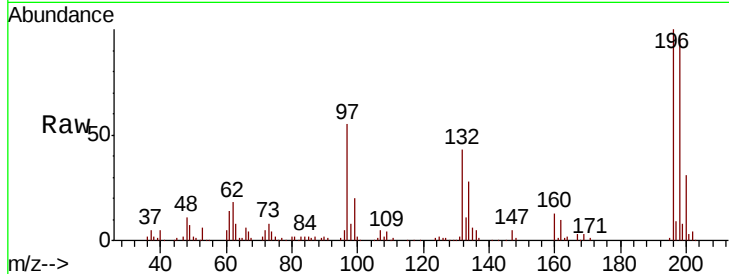




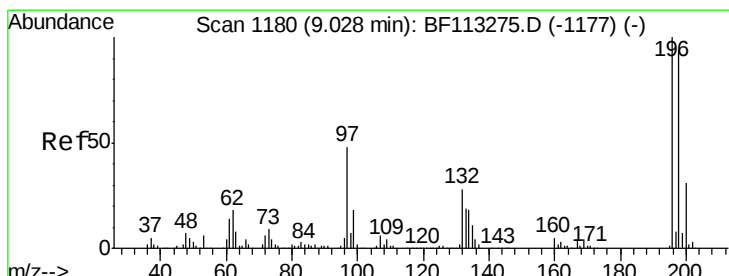
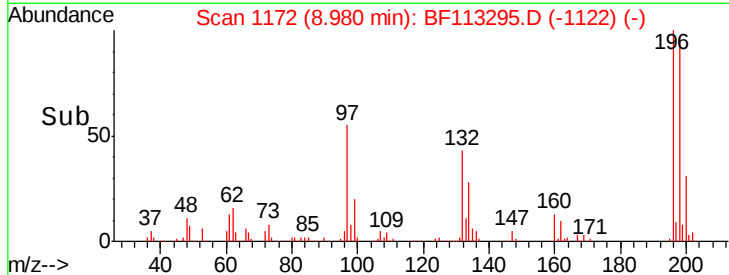
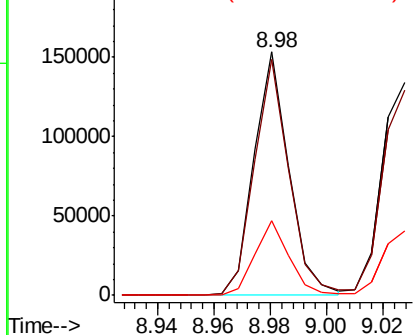
#43
 2,4,6-Trichlorophenol
 Concen: 20.360 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:196 Resp: 132311
 Ion Ratio Lower Upper
 196 100
 198 96.8 77.7 116.5
 200 30.9 24.9 37.3



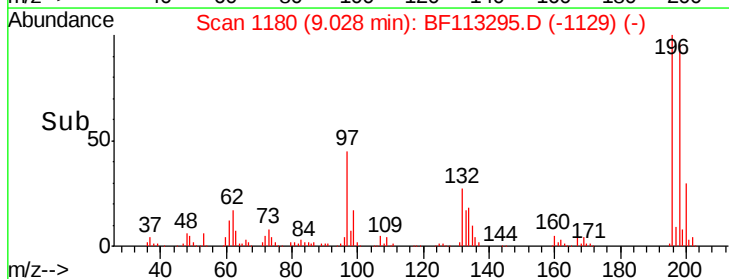
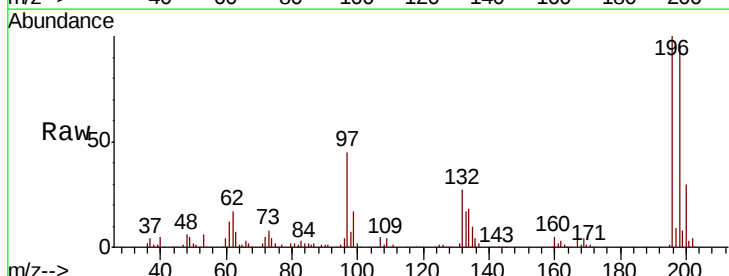
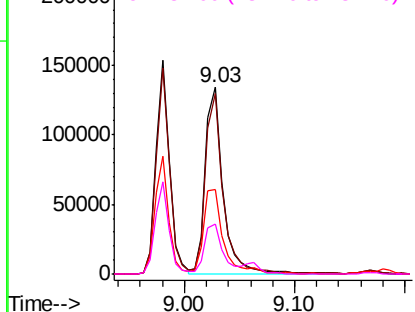
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

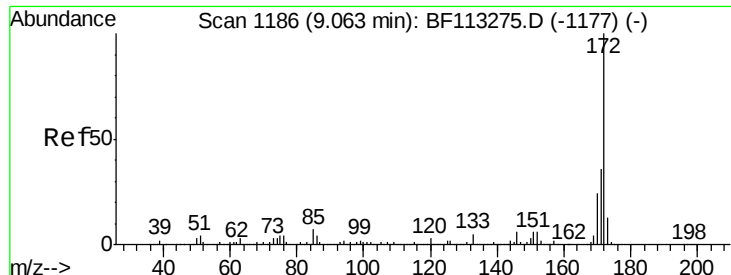


#44
 2,4,5-Trichlorophenol
 Concen: 20.286 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion:196 Resp: 145894
 Ion Ratio Lower Upper
 196 100
 198 96.4 75.4 113.2
 97 45.1 38.6 58.0
 132 26.9 22.9 34.3

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

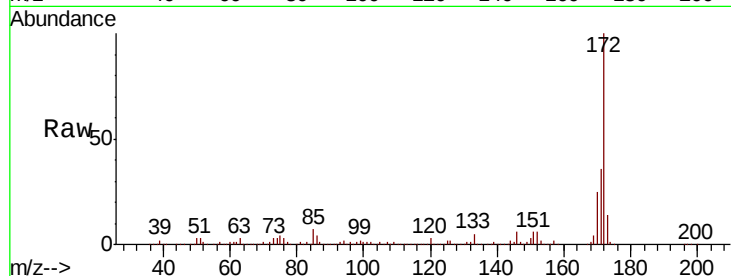




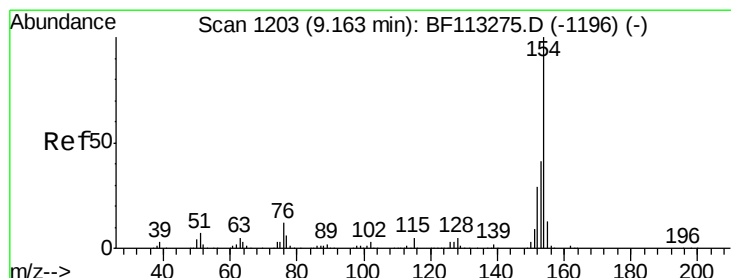
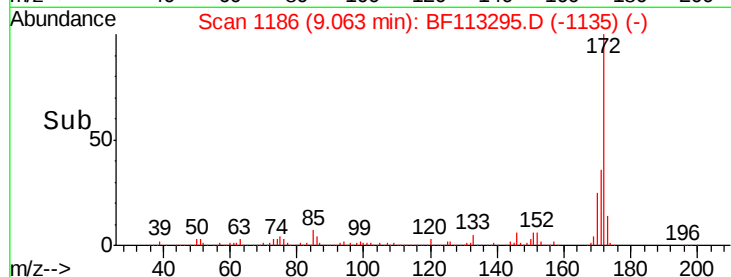
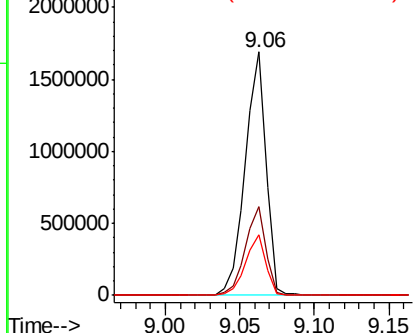
#45
2-Fluorobiphenyl
Concen: 81.664 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:172 Resp: 1633548
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 25.0 19.5 29.3

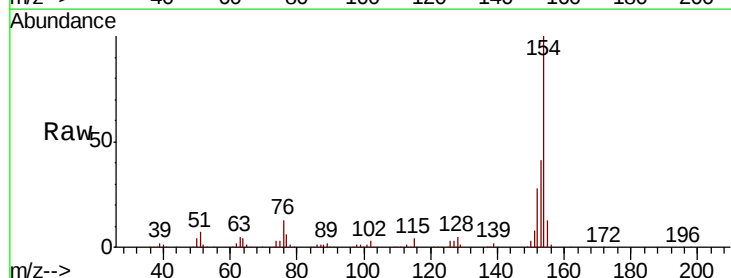


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

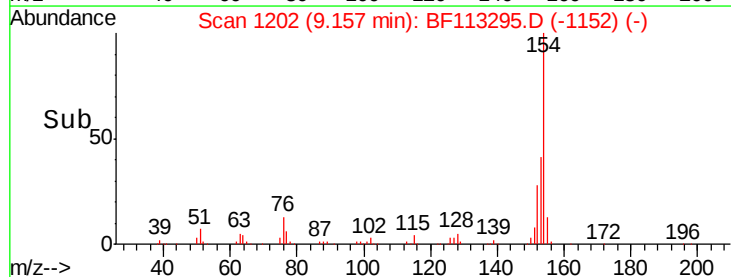
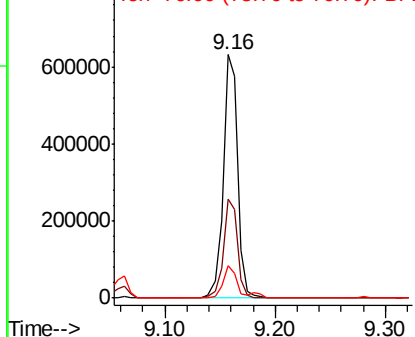


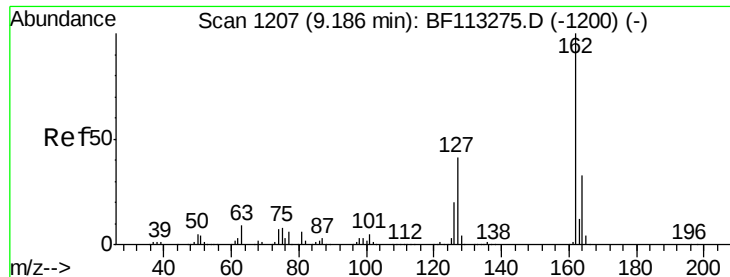
#46
1,1'-Biphenyl
Concen: 22.025 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:154 Resp: 571874
Ion Ratio Lower Upper
154 100
153 40.5 20.8 60.8
76 13.4 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

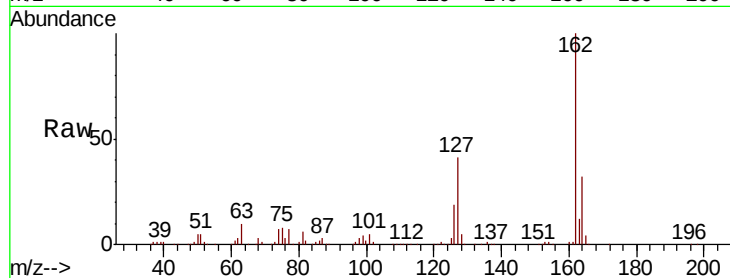




#47
 2-Chloronaphthalene
 Concen: 21.369 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.6	49.0
164	32.5	26.6	39.8

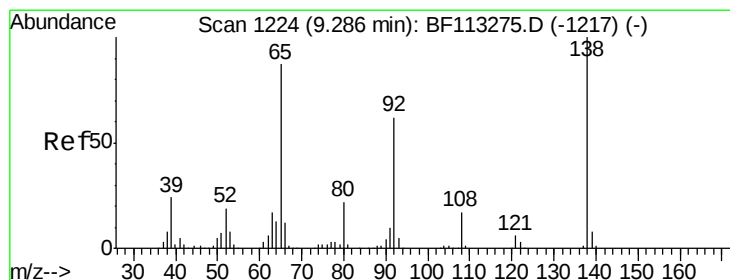
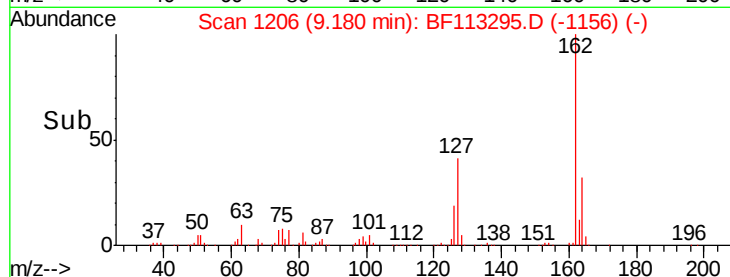
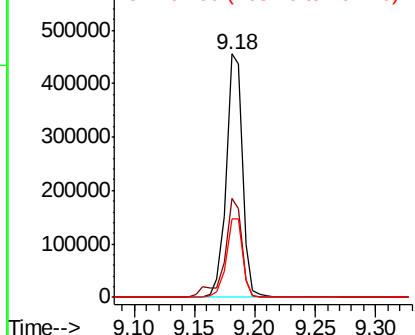


Abundance

Ion 162.00 (161.70 to 162.70): E

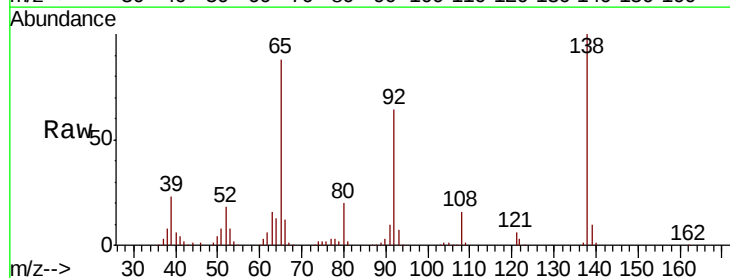
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
 2-Nitroaniline
 Concen: 21.547 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.4	56.8	85.2
138	114.0	92.3	138.5

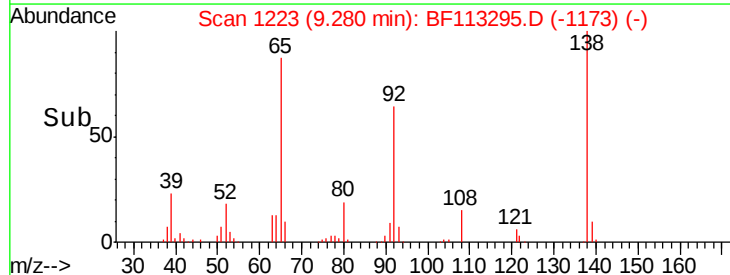
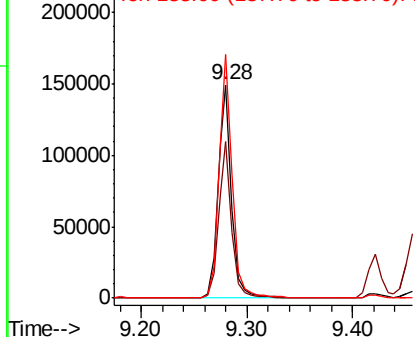


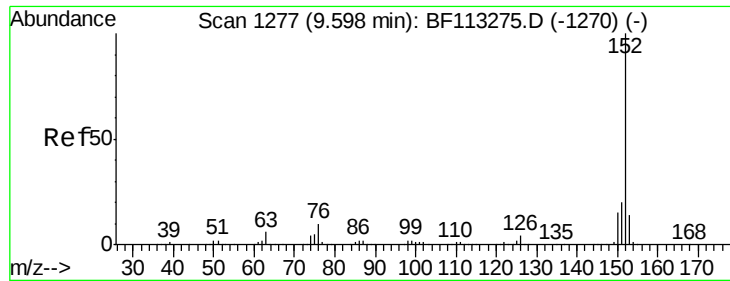
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 22.594 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

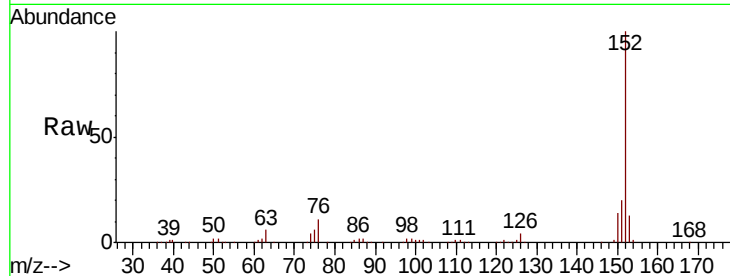
Tgt Ion:152 Resp: 730365

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

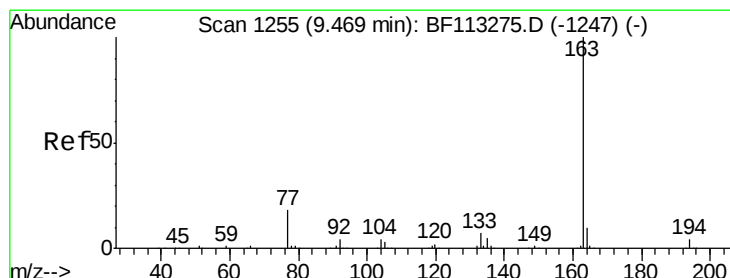
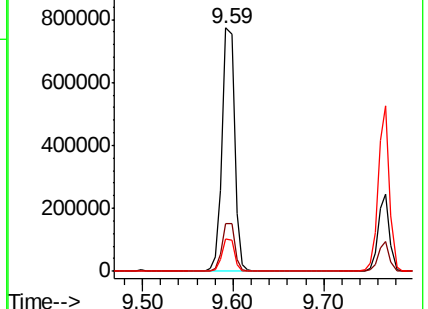
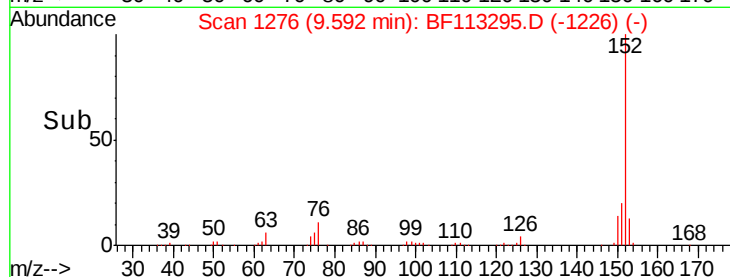
153 13.2 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 21.419 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

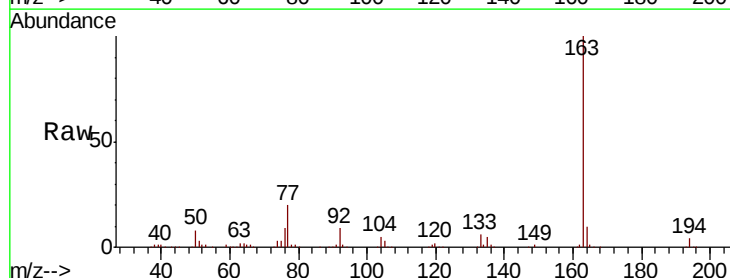
Tgt Ion:163 Resp: 493475

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

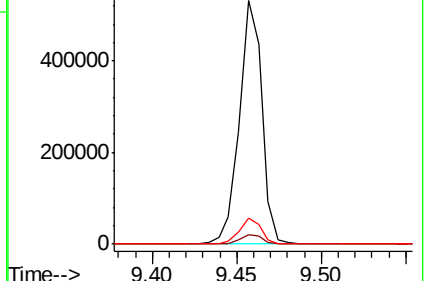
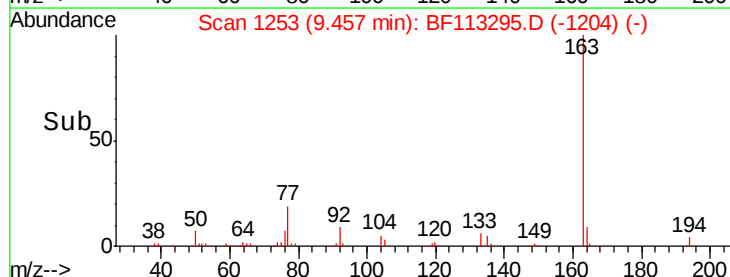
164 10.4 8.1 12.1

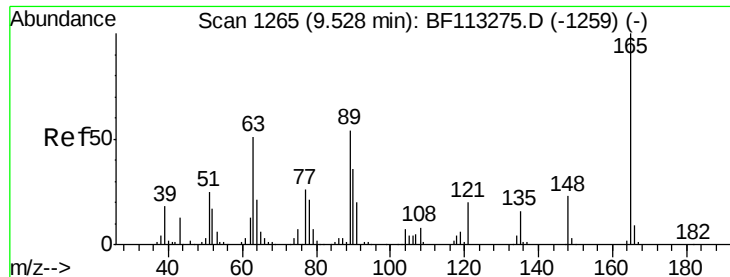


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

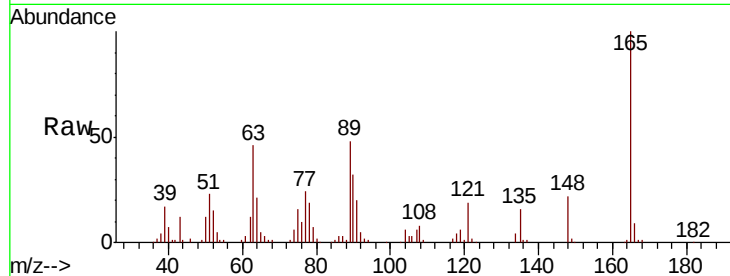




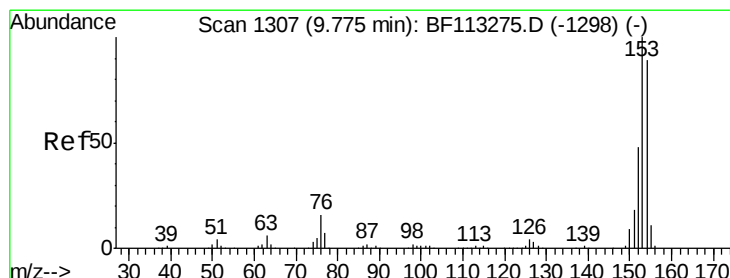
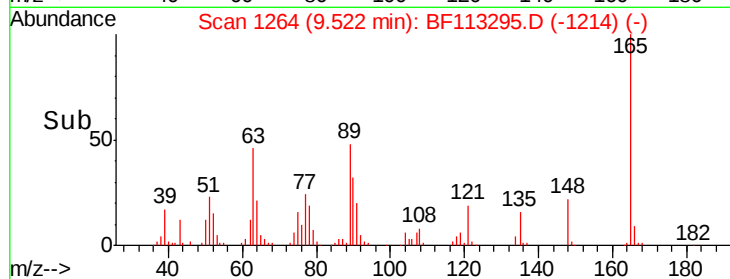
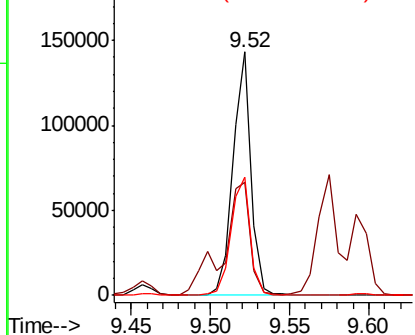
#51
2,6-Dinitrotoluene
Concen: 21.708 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
165	100		
63	46.3	43.4	65.0
89	48.4	43.1	64.7

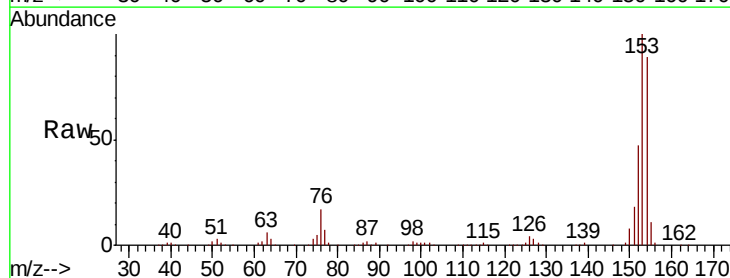


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

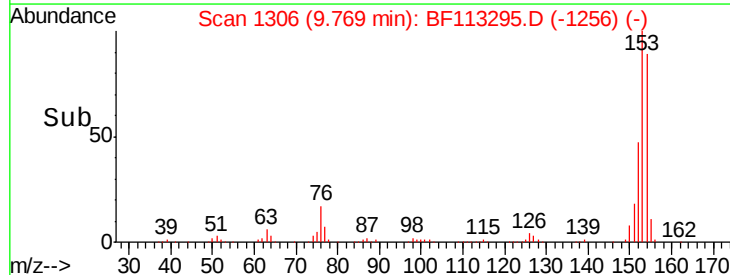
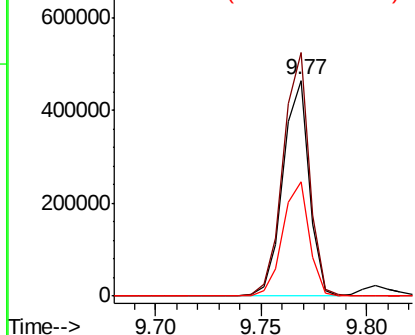


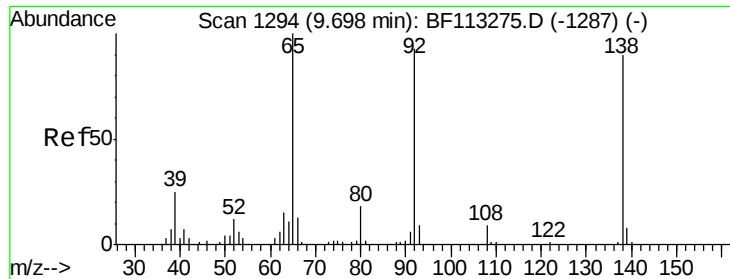
#52
Acenaphthene
Concen: 22.220 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.5	134.3
152	53.3	43.3	64.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 21.901 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

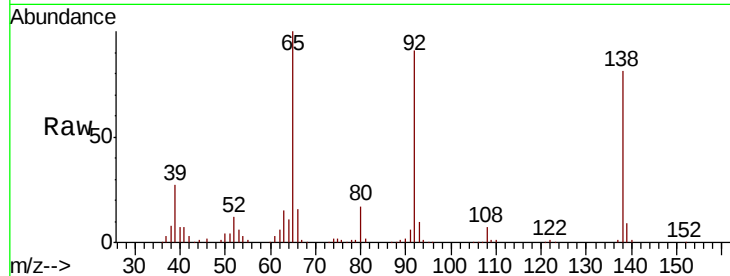
Tgt Ion:138 Resp: 128374

Ion Ratio Lower Upper

138 100

108 9.2 7.8 11.6

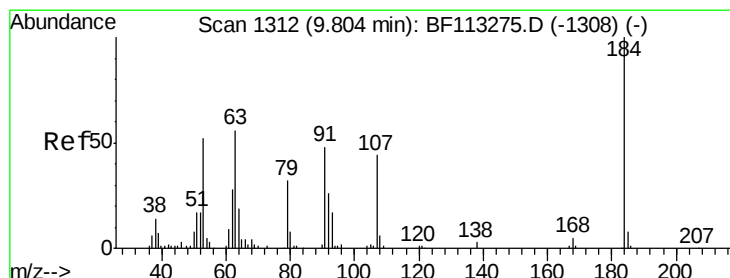
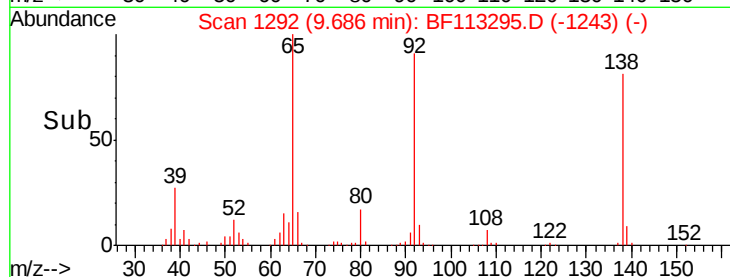
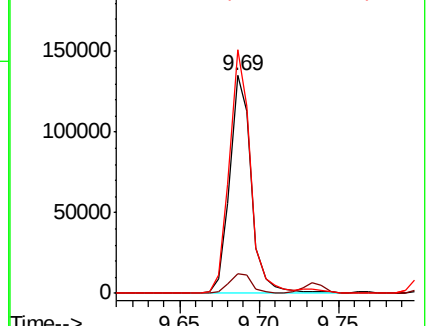
92 111.9 82.6 124.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 19.195 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

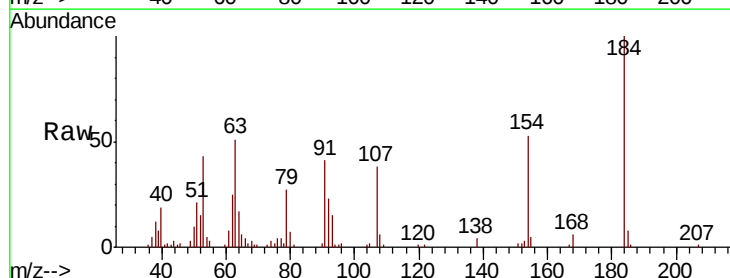
Tgt Ion:184 Resp: 49620

Ion Ratio Lower Upper

184 100

63 50.6 54.3 81.5#

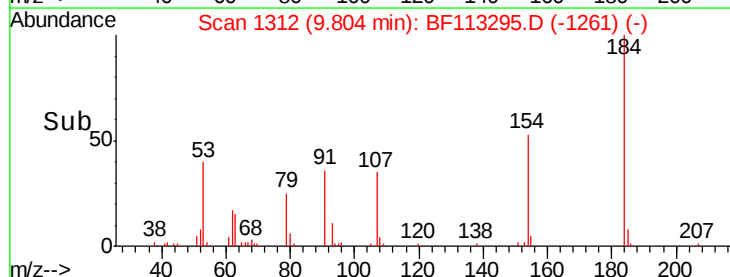
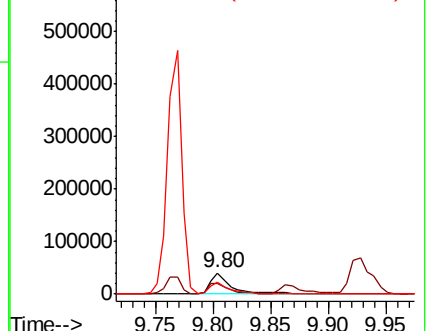
154 53.3 48.4 72.6

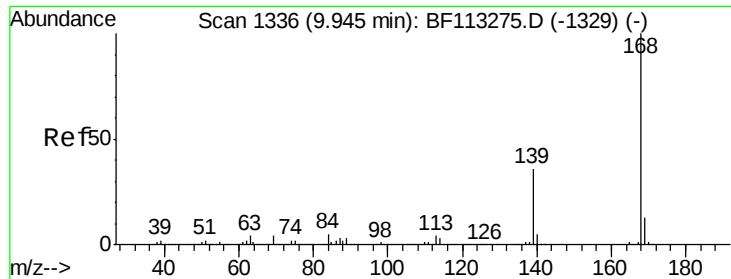


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

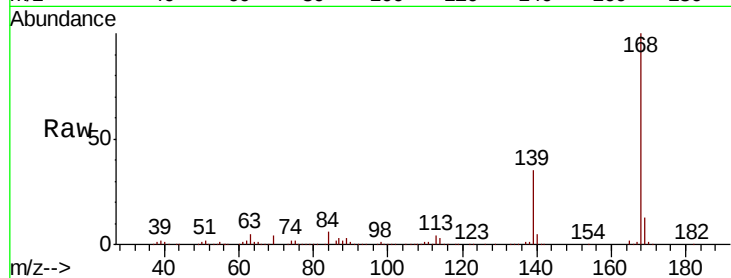




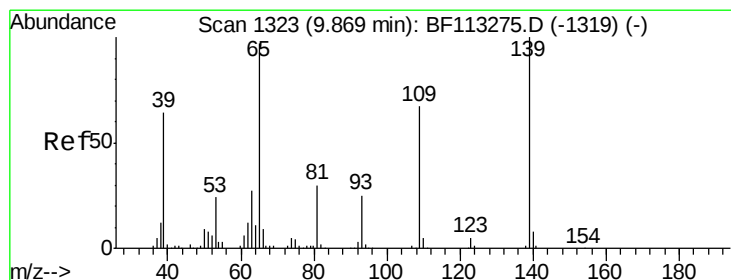
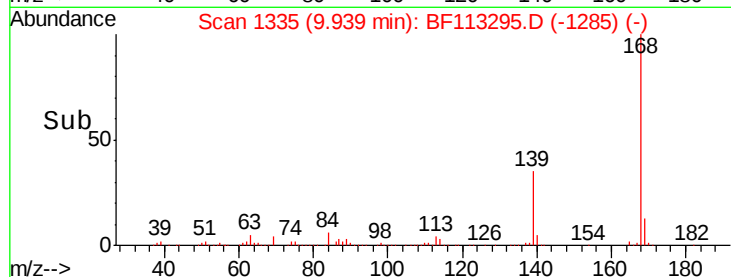
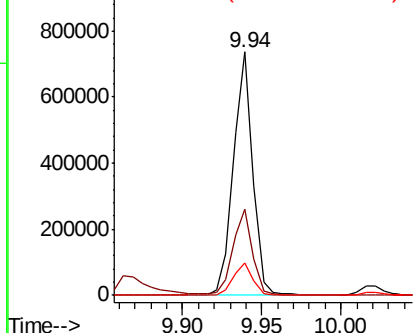
#55
Dibenzenofuran
Concen: 22.857 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:168 Resp: 625513
Ion Ratio Lower Upper
168 100
139 35.3 29.7 44.5
169 13.5 10.7 16.1

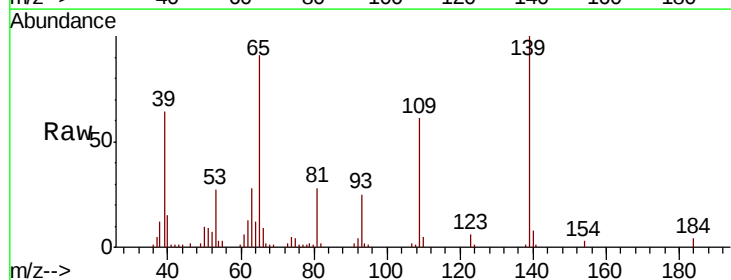


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

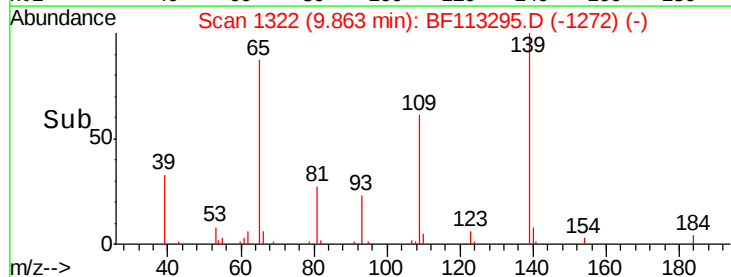
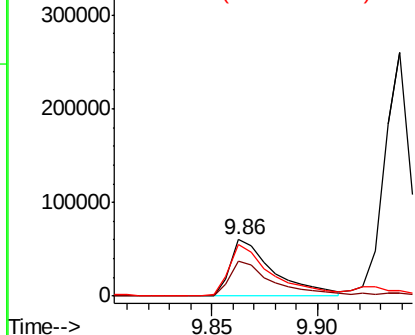


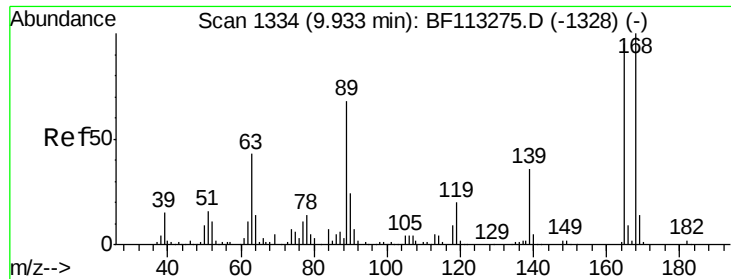
#56
4-Nitrophenol
Concen: 20.422 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:139 Resp: 85339
Ion Ratio Lower Upper
139 100
109 61.3 46.9 86.9
65 90.6 77.2 117.2



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

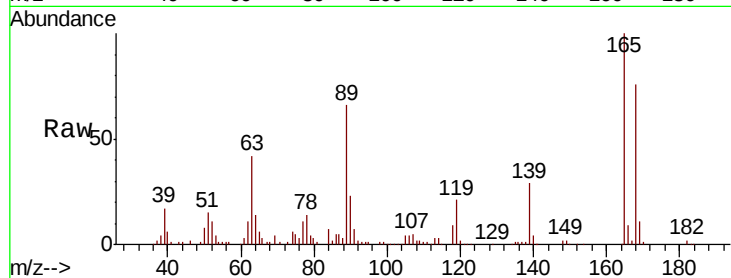




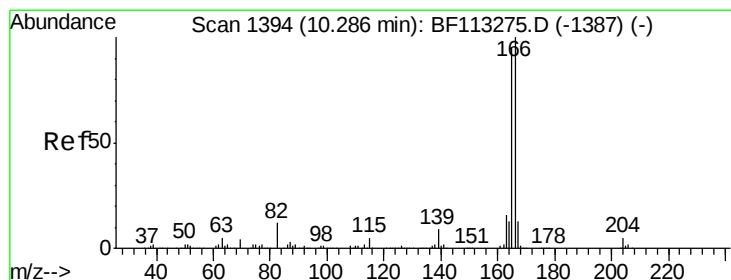
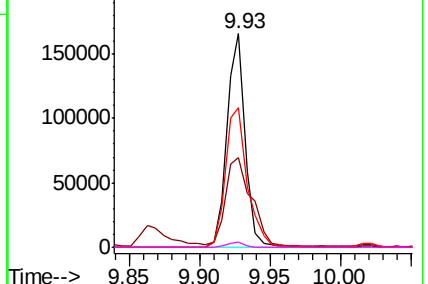
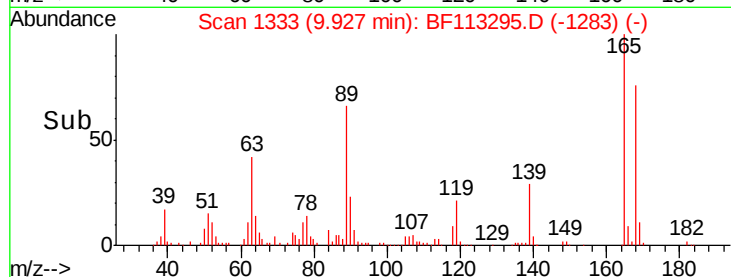
#57
2,4-Dinitrotoluene
Concen: 22.368 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:165 Resp: 147847
Ion Ratio Lower Upper
165 100
63 42.2 37.5 56.3
89 65.6 57.4 86.2
182 2.2 2.0 3.0

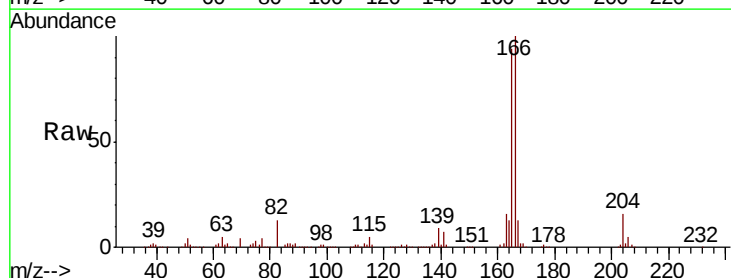


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

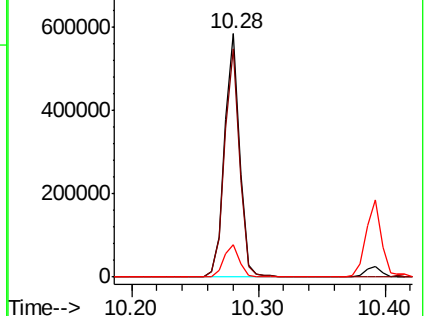
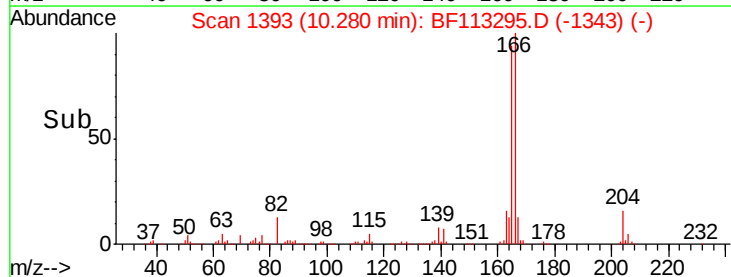


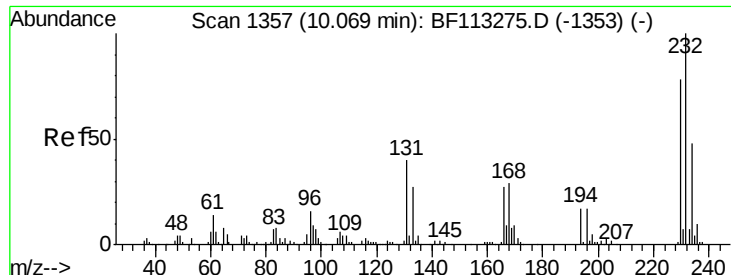
#58
Fluorene
Concen: 22.808 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:166 Resp: 484896
Ion Ratio Lower Upper
166 100
165 93.9 76.2 114.2
167 13.4 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

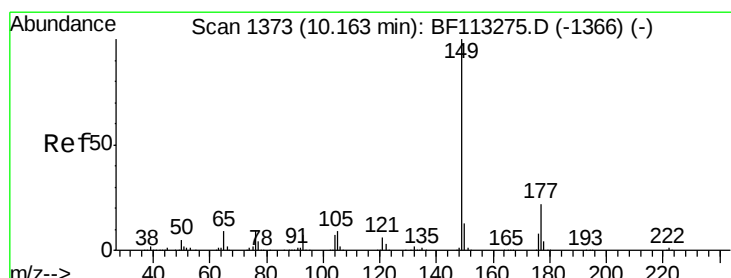
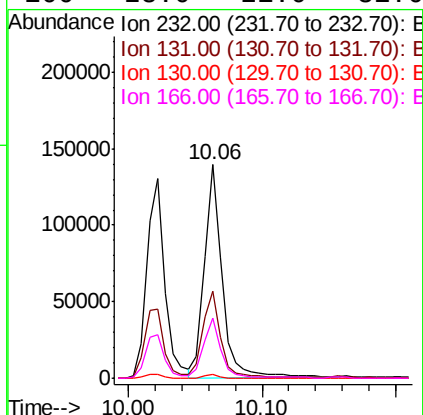
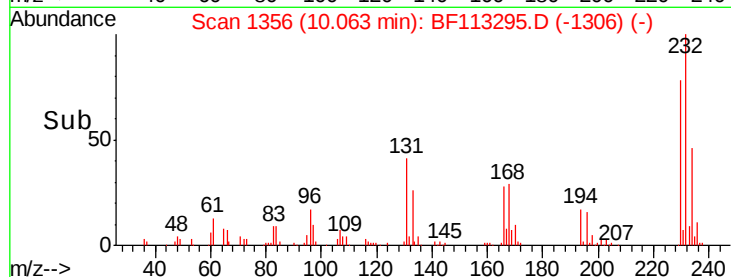
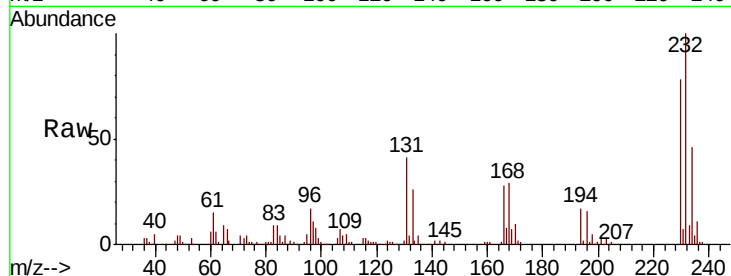




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.217 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

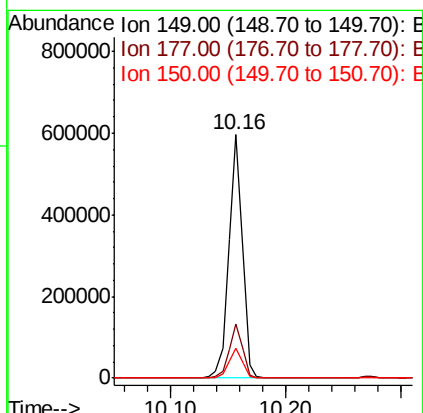
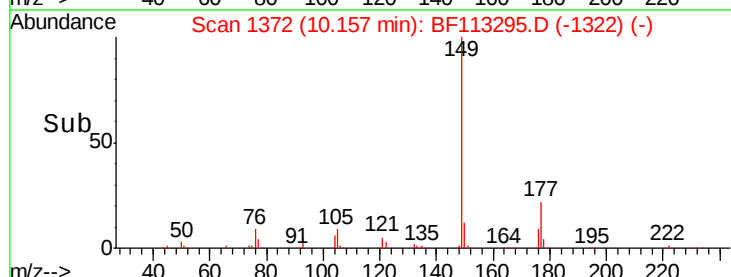
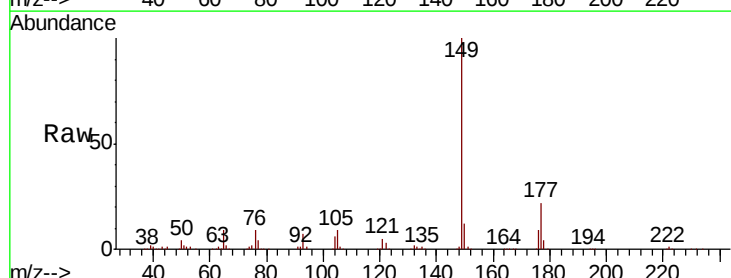
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

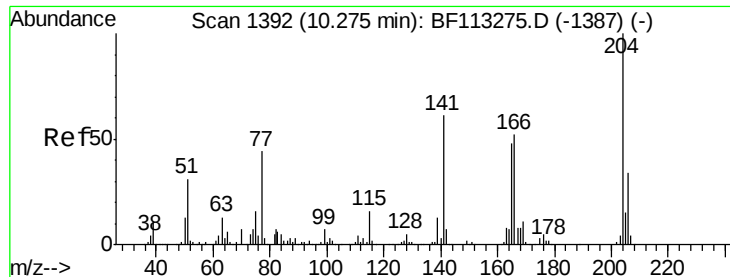
Tgt Ion:	232	Resp:	129037
Ion	Ratio	Lower	Upper
232	100		
131	42.4	33.2	49.8
130	1.9	1.6	2.4
166	28.0	21.0	31.6



#60
Diethylphthalate
Concen: 21.320 ng
RT: 10.16 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:	149	Resp:	481869
Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.4	26.0
150	12.5	10.0	15.0

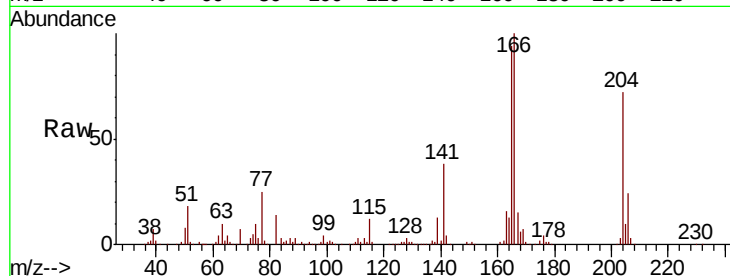




#61
4-Chlorophenyl-phenylether
Concen: 22.652 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.9	40.3
141	53.2	48.8	73.2

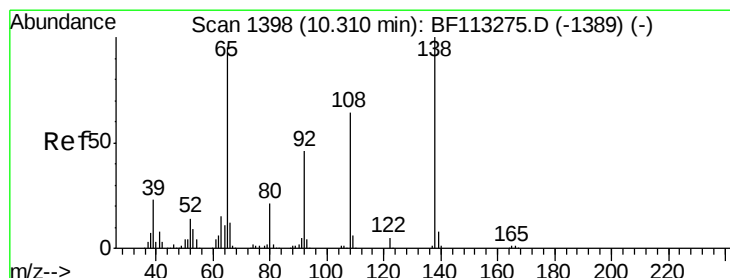
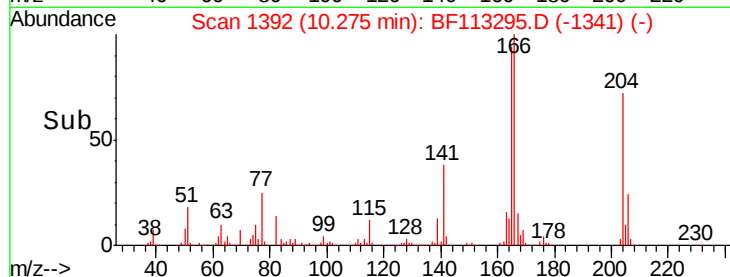
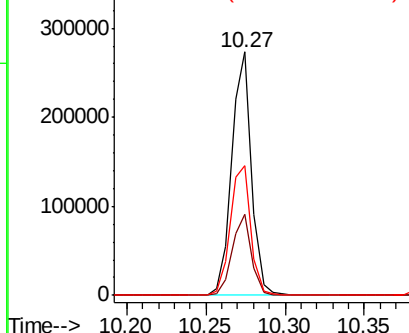


Abundance

Ion 204.00 (203.70 to 204.70): E

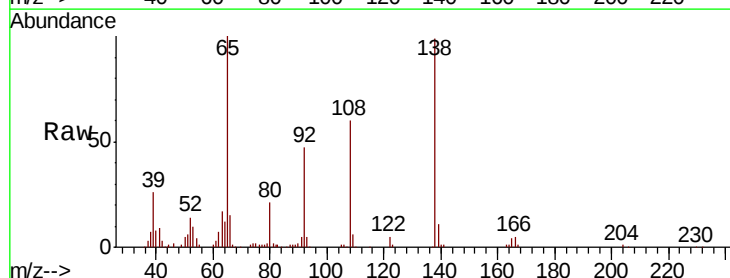
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 22.485 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.3	25.8	65.8
108	60.4	44.0	84.0

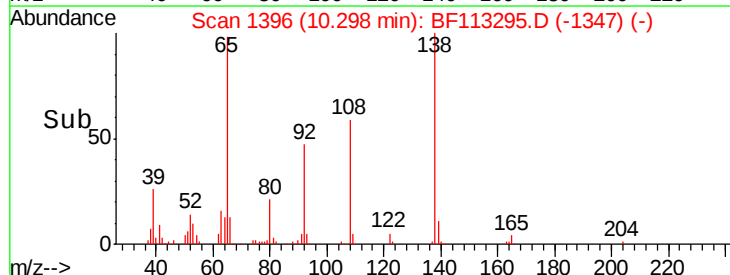
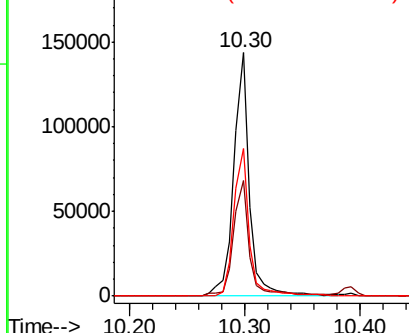


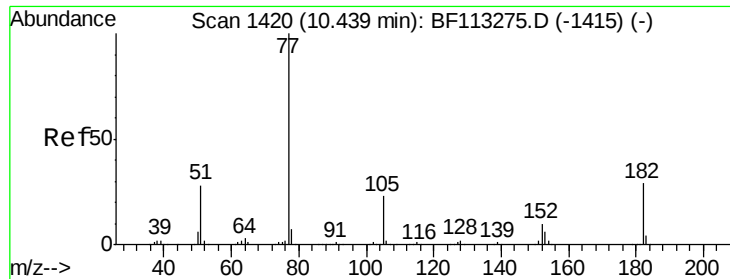
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 22.085 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion: 77 Resp: 469878

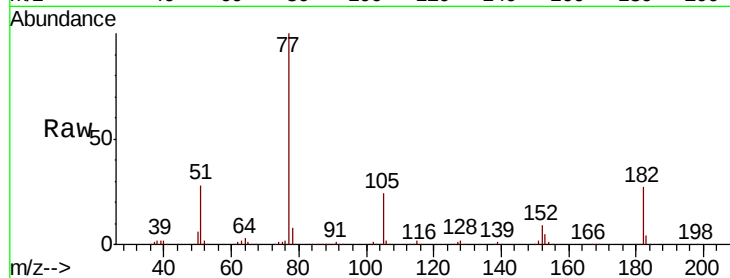
Ion Ratio Lower Upper

77 100

182 27.2 8.7 48.7

105 23.6 2.9 42.9

51 28.0 8.8 48.8

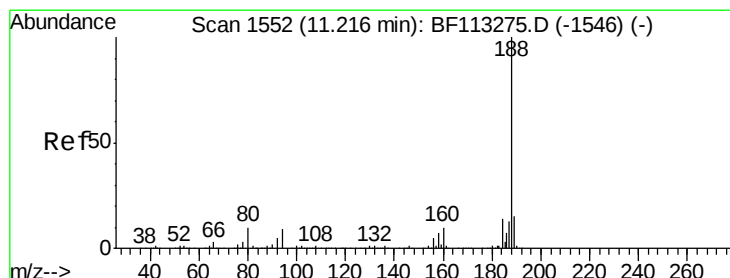
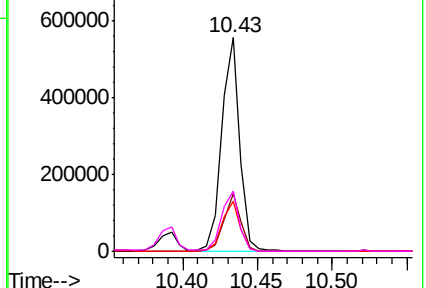
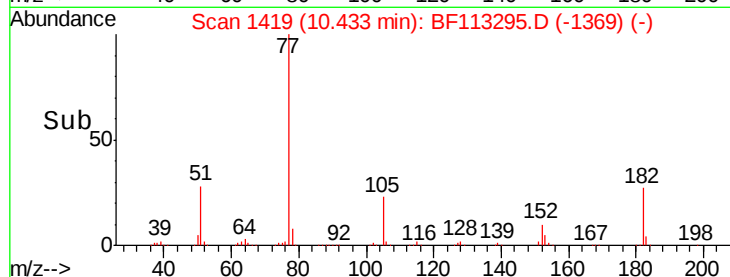


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

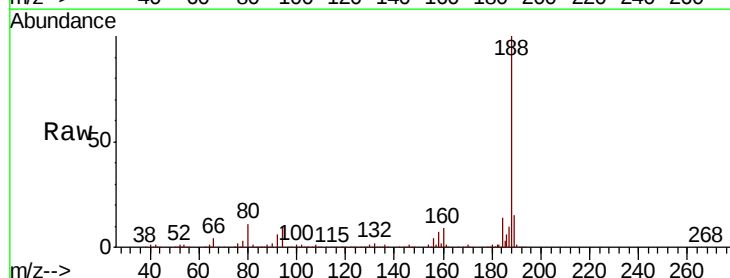
Tgt Ion: 188 Resp: 632911

Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.6

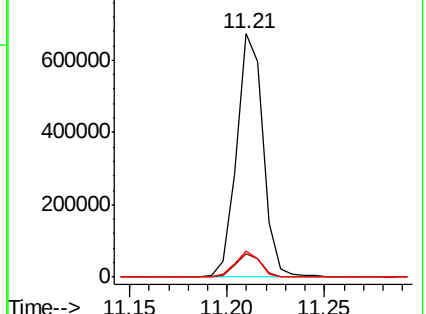
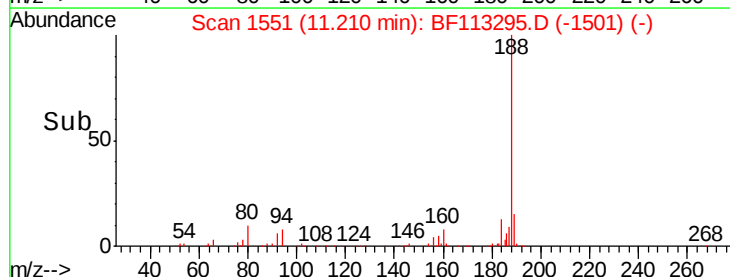
80 10.7 7.7 11.5

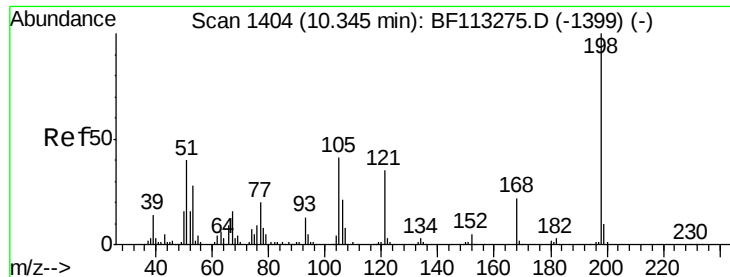


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

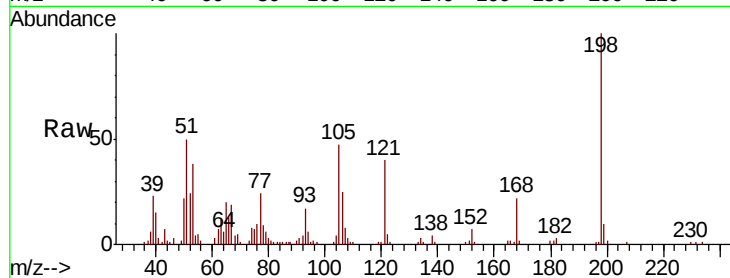




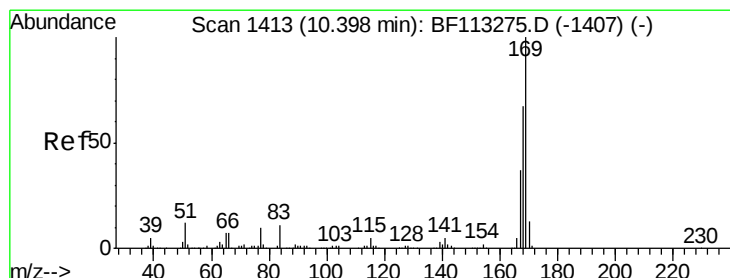
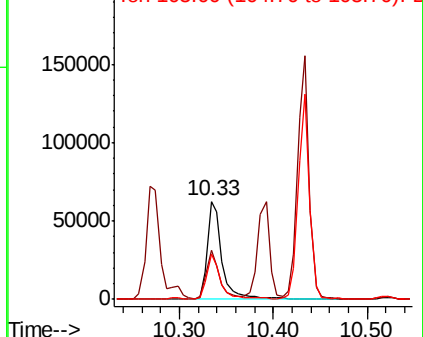
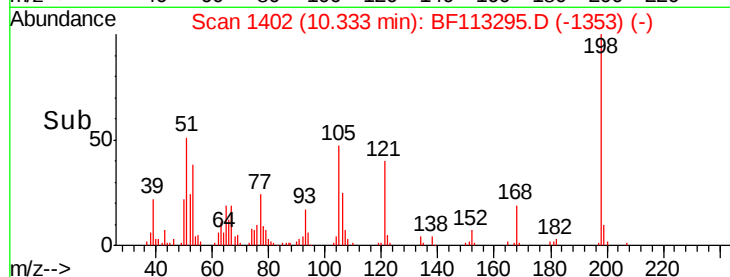
#65
4,6-Dinitro-2-methylphenol
Concen: 19.739 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:198 Resp: 68344
Ion Ratio Lower Upper
198 100
51 50.5 21.6 61.6
105 46.6 20.6 60.6

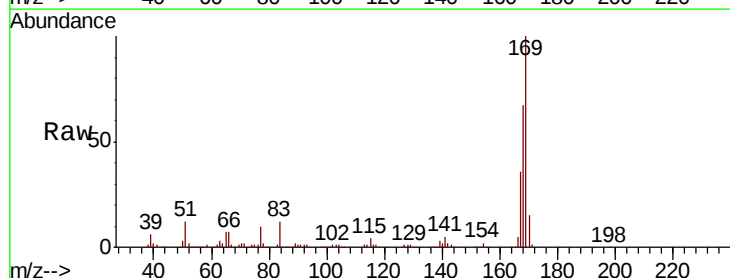


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

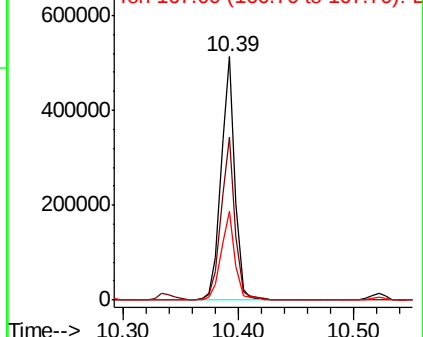
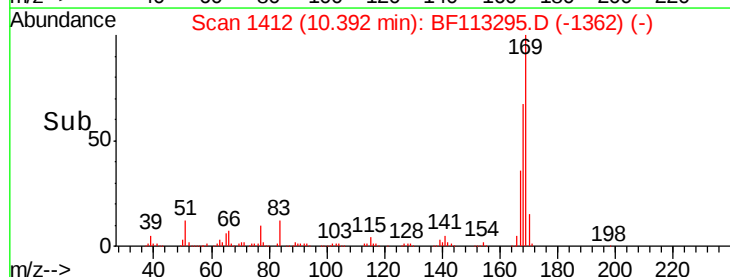


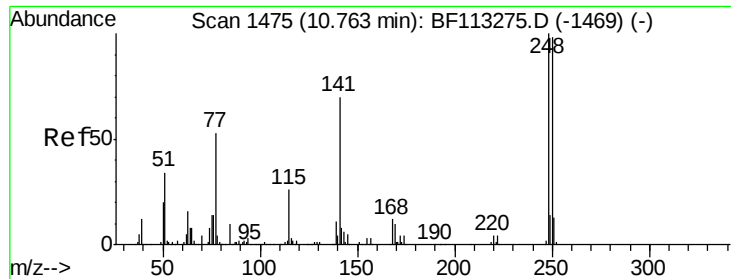
#66
n-Nitrosodiphenylamine
Concen: 21.843 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:169 Resp: 424214
Ion Ratio Lower Upper
169 100
168 66.7 53.7 80.5
167 36.3 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

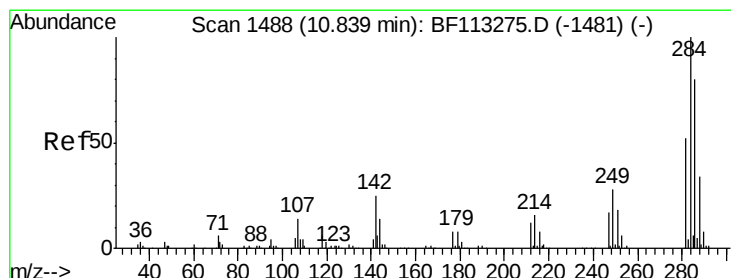
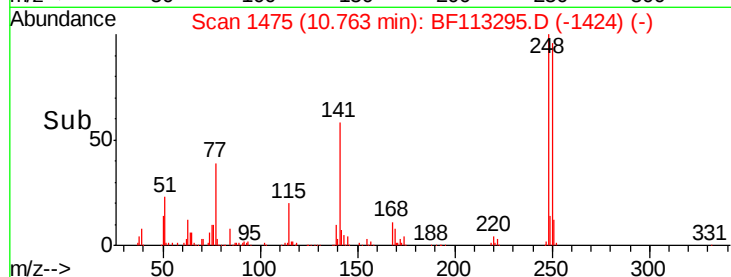
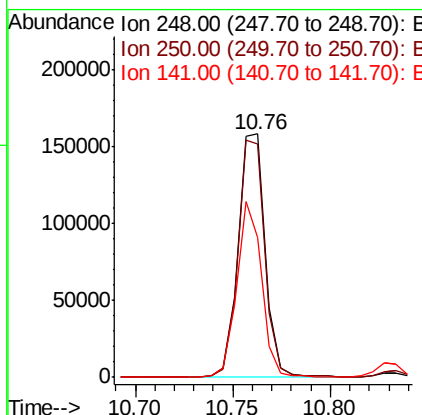
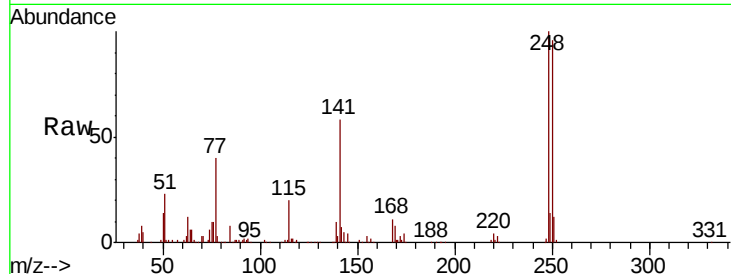




#67
 4-Bromophenyl-phenylether
 Concen: 22.015 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

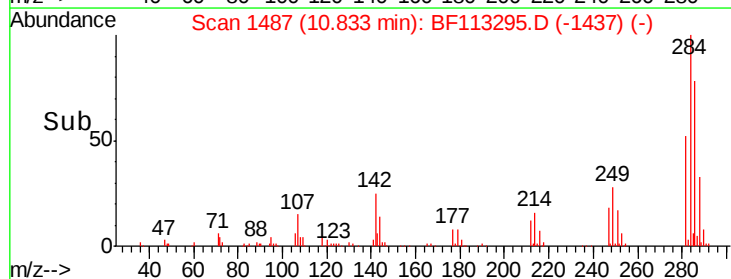
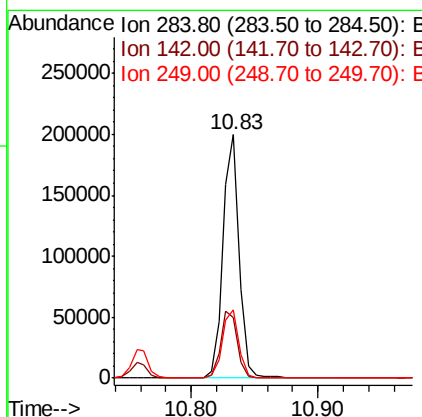
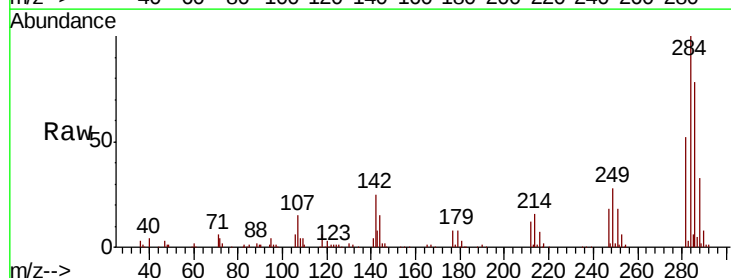
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

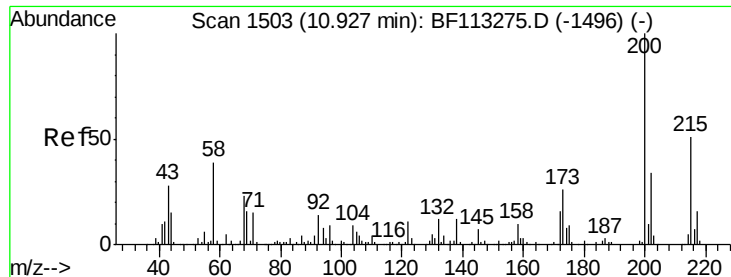
Tgt Ion:	248	Resp:	151862
Ion	Ratio	Lower	Upper
248	100		
250	95.8	78.3	117.5
141	57.6	56.2	84.4



#68
 Hexachlorobenzene
 Concen: 22.190 ng
 RT: 10.83 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion:	284	Resp:	177680
Ion	Ratio	Lower	Upper
284	100		
142	25.1	20.1	30.1
249	28.1	22.7	34.1

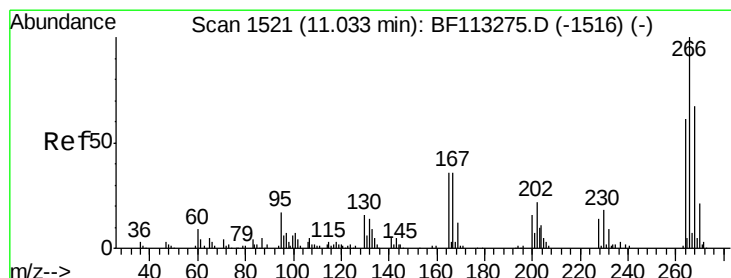
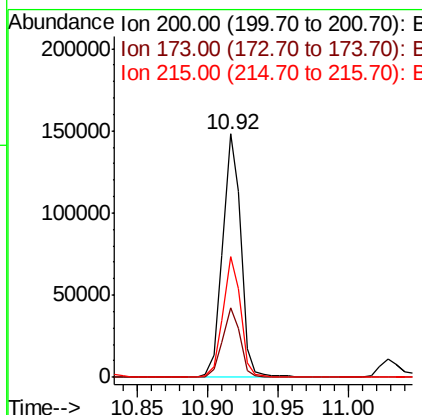
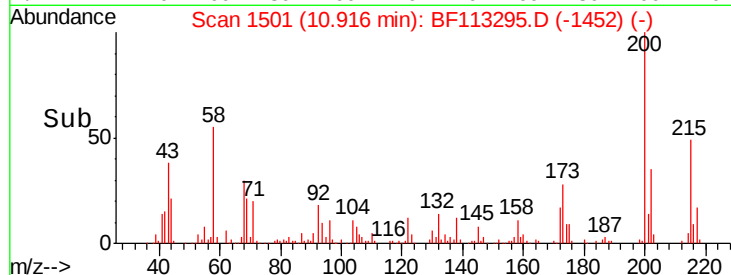
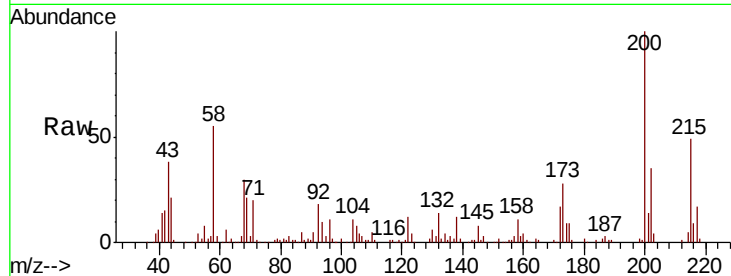




#69
Atrazine
Concen: 21.827 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

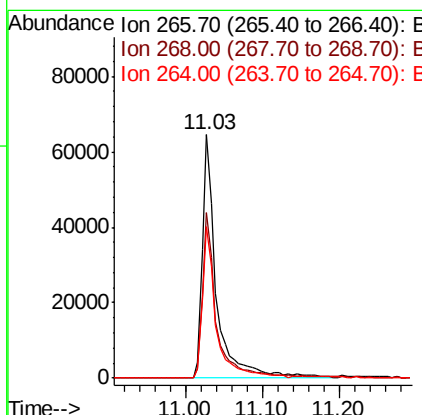
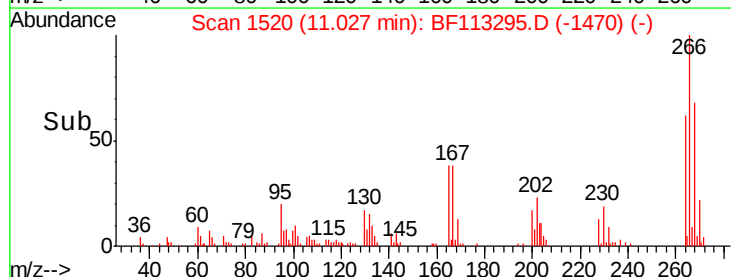
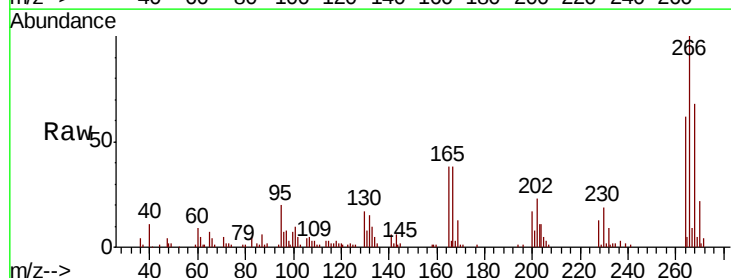
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

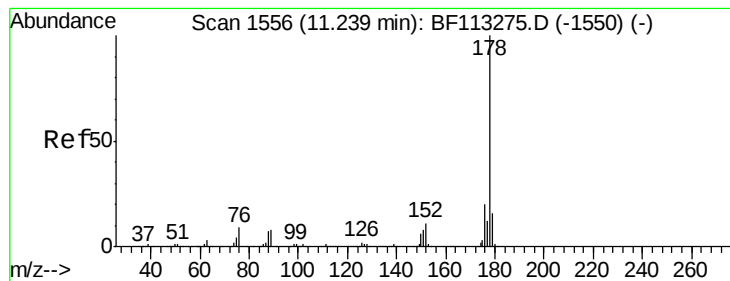
Tgt Ion:200 Resp: 133800
Ion Ratio Lower Upper
200 100
173 28.4 6.0 46.0
215 49.5 31.3 71.3



#70
Pentachlorophenol
Concen: 19.994 ng
RT: 11.03 min Scan# 1520
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:266 Resp: 83410
Ion Ratio Lower Upper
266 100
268 67.8 53.8 80.6
264 62.2 49.2 73.8





#71

Phenanthrene

Concen: 22.971 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

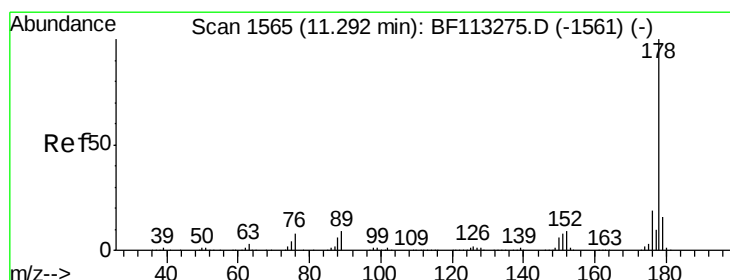
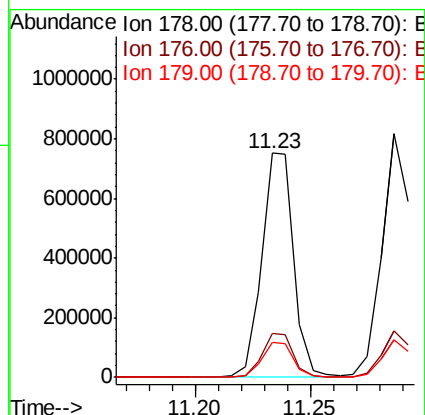
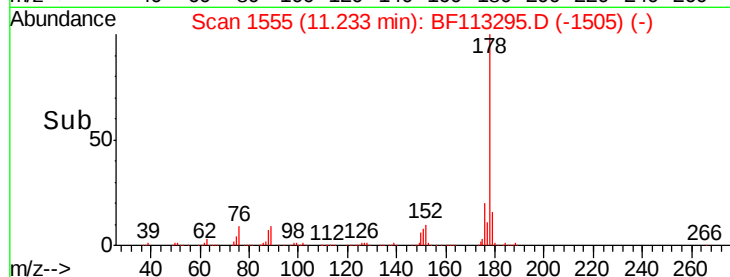
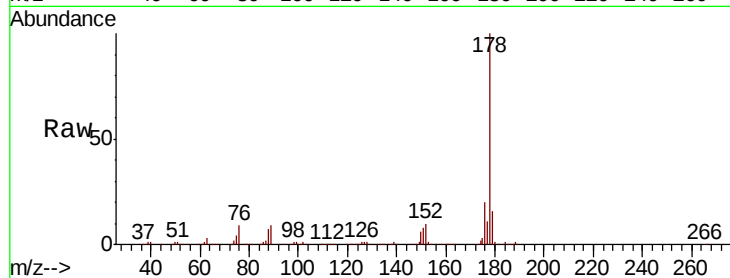
Tgt Ion:178 Resp: 721988

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.2

179 15.9 12.7 19.1



#72

Anthracene

Concen: 23.316 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

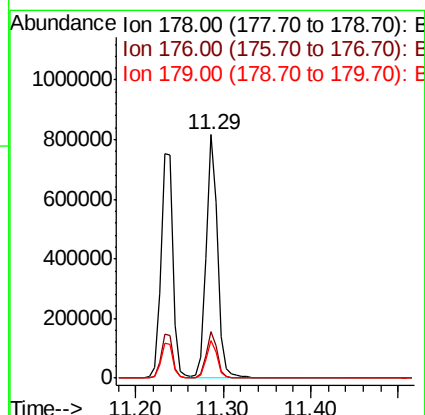
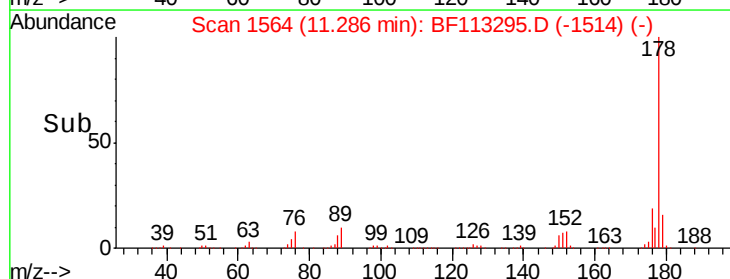
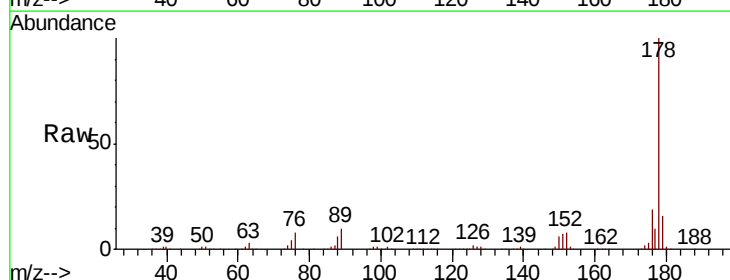
Tgt Ion:178 Resp: 744378

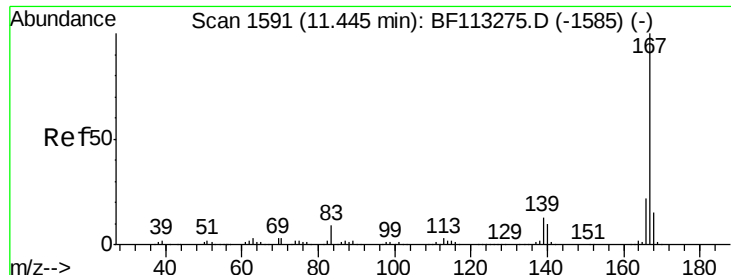
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.7 12.8 19.2

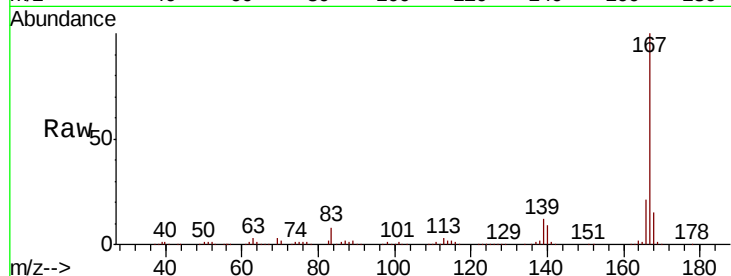




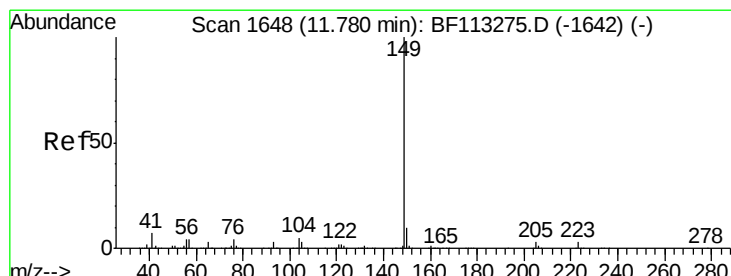
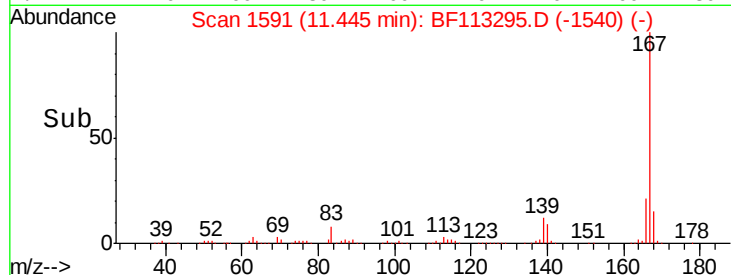
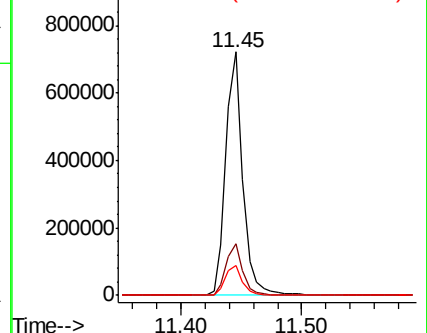
#73
 Carbazole
 Concen: 23.103 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:167 Resp: 703785
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.4 26.0
 139 12.4 10.4 15.6

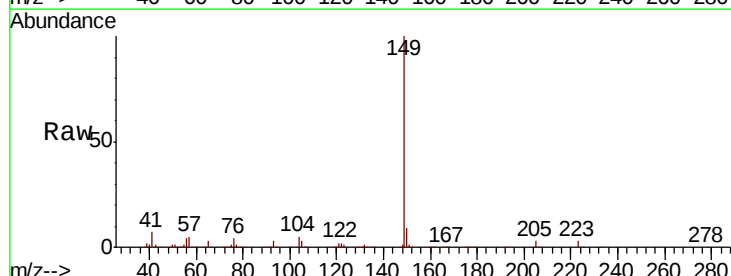


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

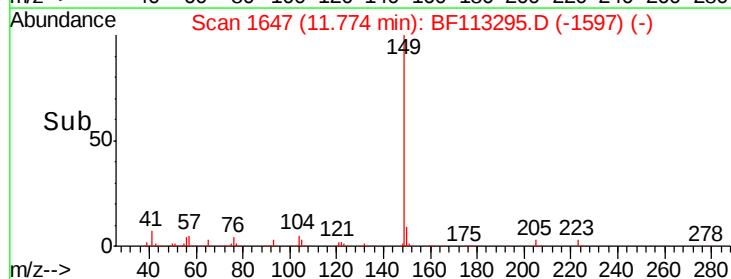
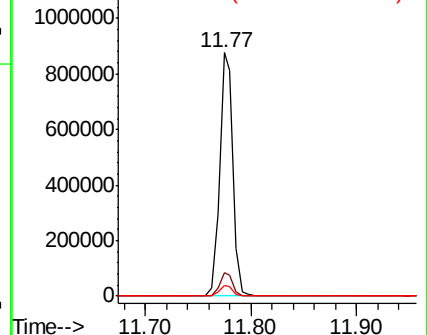


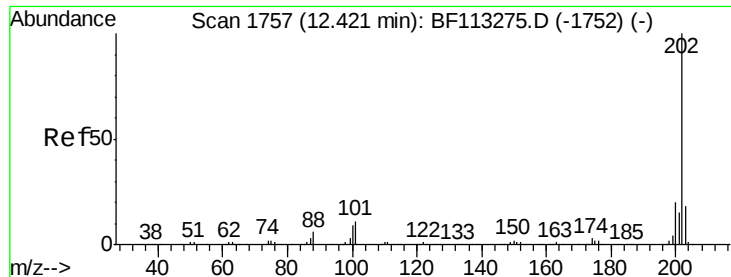
#74
 Di-n-butylphthalate
 Concen: 22.203 ng
 RT: 11.77 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion:149 Resp: 784351
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.7 11.5
 104 4.5 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

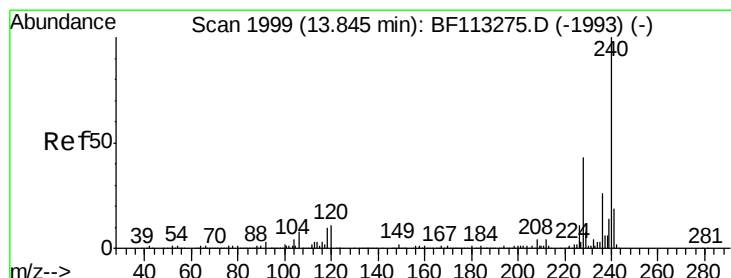
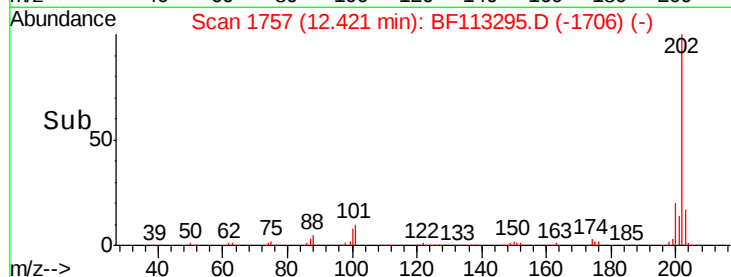
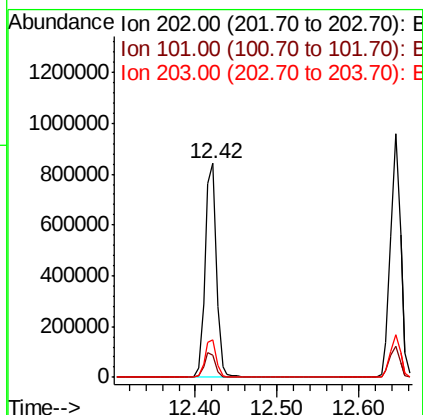
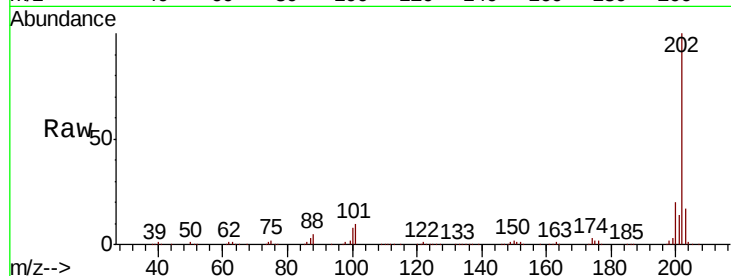




#75
 Fluoranthene
 Concen: 22.861 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

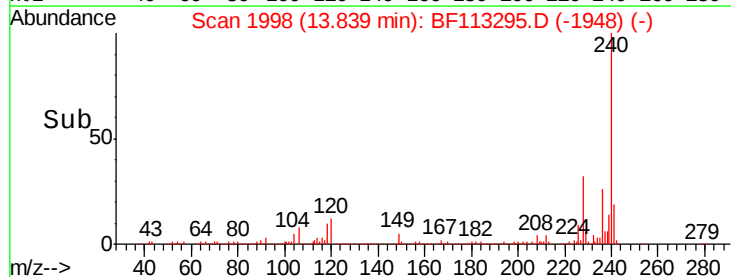
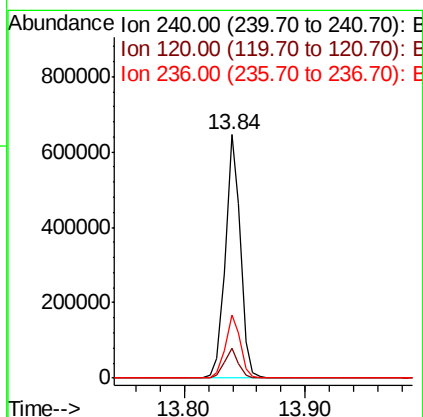
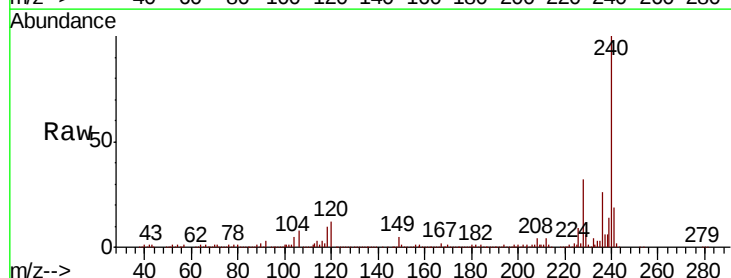
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

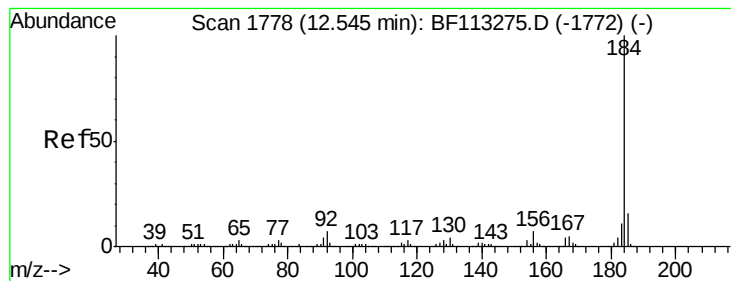
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	17.3	0.0	38.0



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.8	13.2
236	26.2	20.9	31.3





#77

Benzidine

Concen: 18.681 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

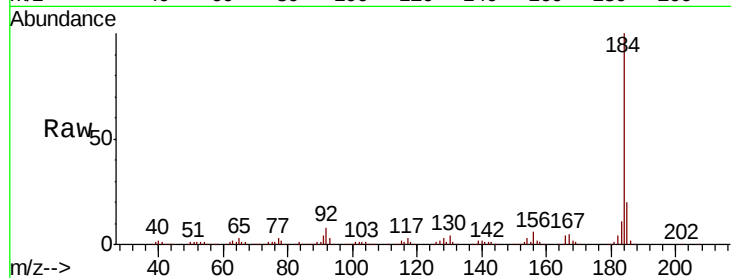
Tgt Ion:184 Resp: 396392

Ion Ratio Lower Upper

184 100

185 20.0 13.0 19.6#

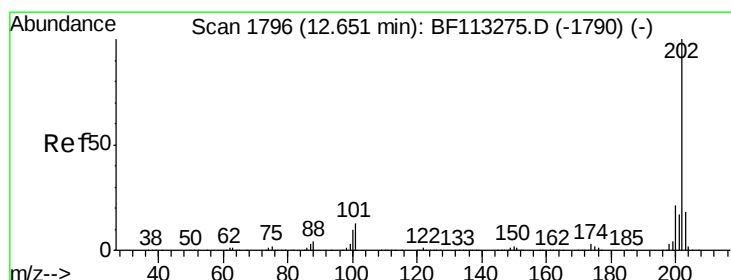
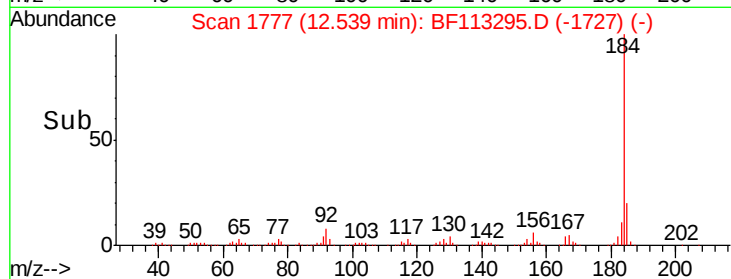
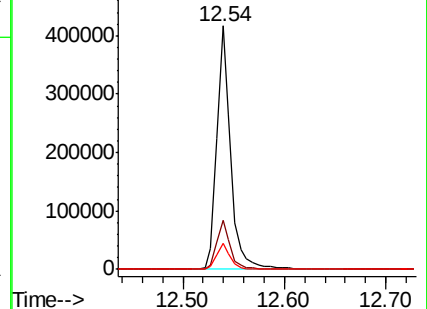
183 10.6 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 21.818 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

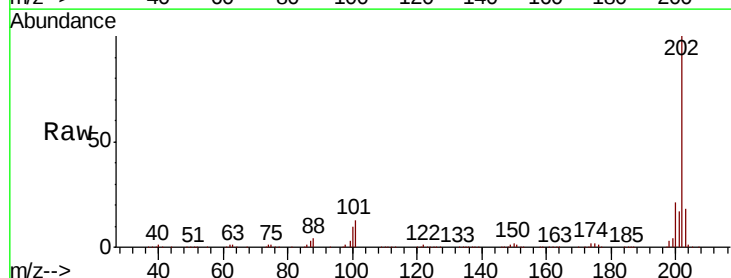
Tgt Ion:202 Resp: 837738

Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

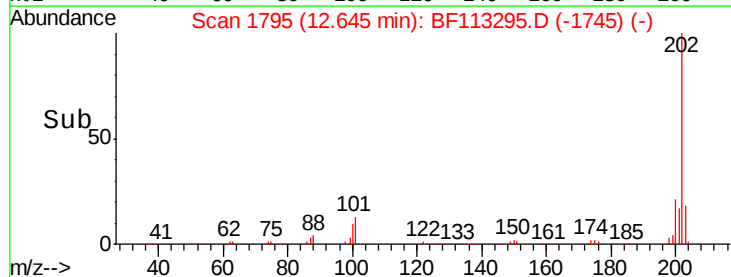
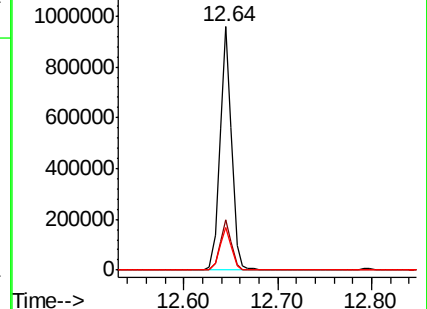
203 17.8 14.4 21.6

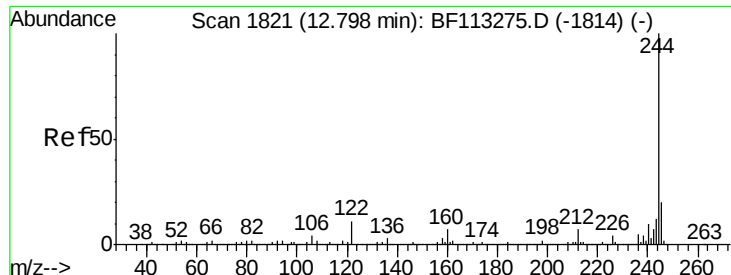


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

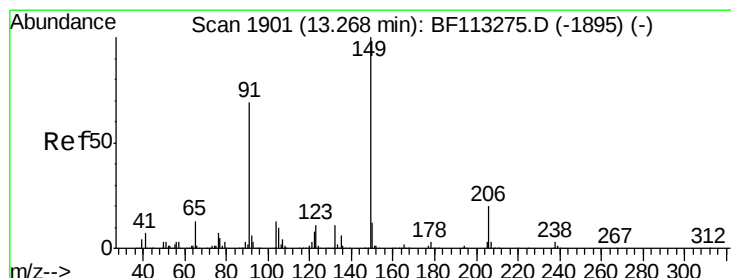
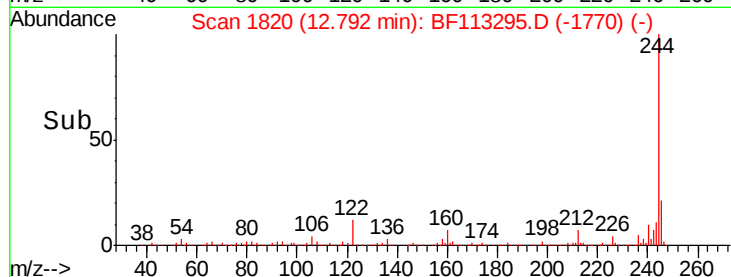
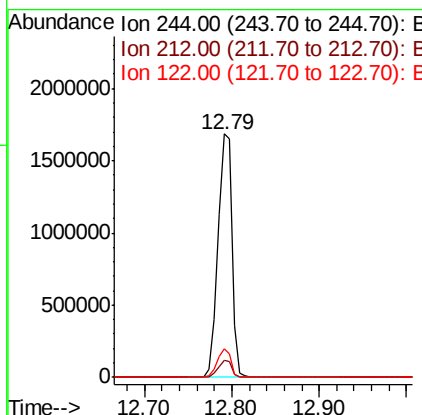
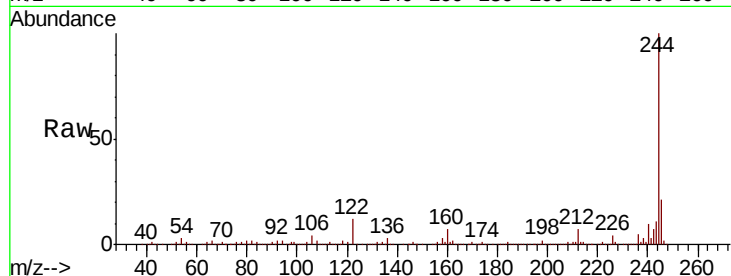




#79
 Terphenyl-d14
 Concen: 75.448 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

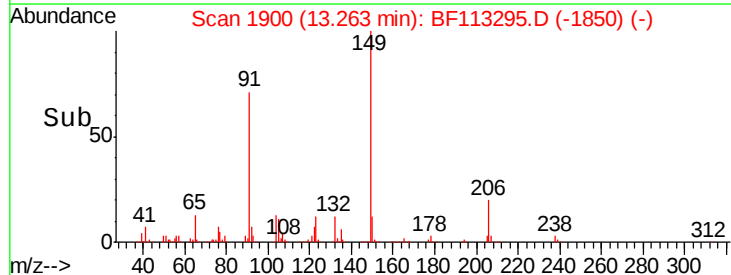
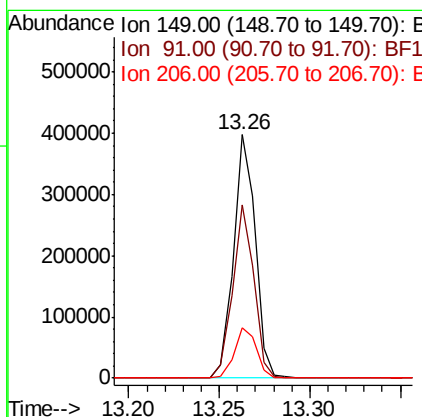
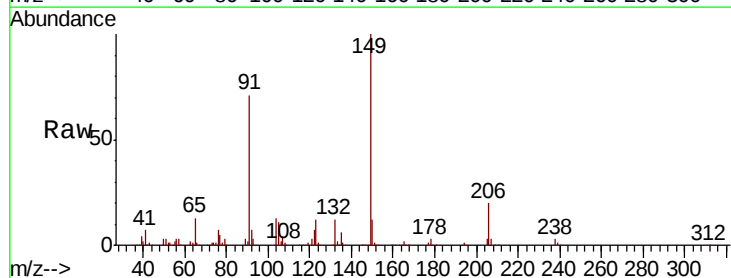
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

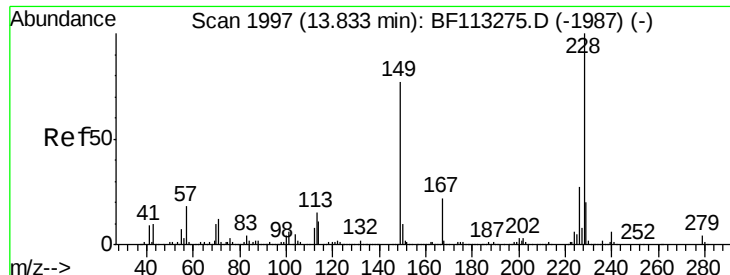
Tgt Ion:244 Resp: 1896613
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 11.8 8.6 13.0



#80
 Butylbenzylphthalate
 Concen: 19.661 ng
 RT: 13.26 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion:149 Resp: 332703
 Ion Ratio Lower Upper
 149 100
 91 70.9 55.2 82.8
 206 20.4 16.1 24.1





#81

Benzo(a)anthracene

Concen: 21.978 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

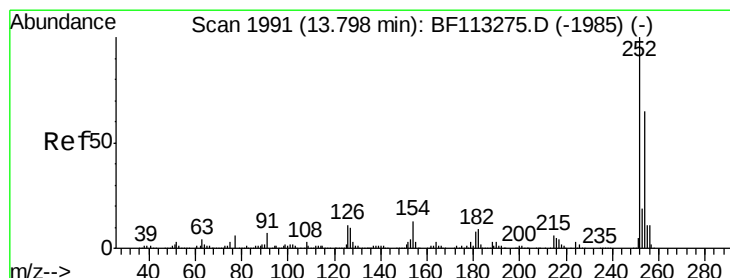
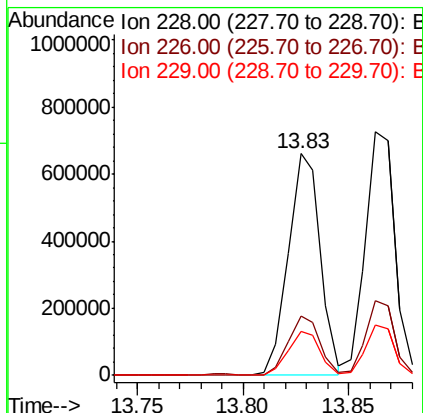
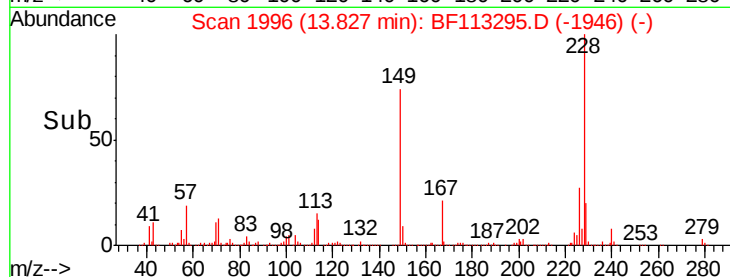
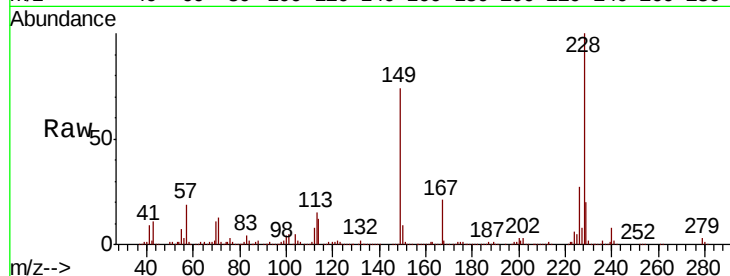
Tgt Ion:228 Resp: 697068

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 19.8 16.2 24.4



#82

3,3'-Dichlorobenzidine

Concen: 21.660 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

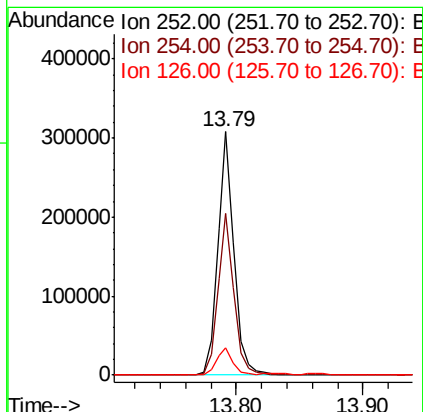
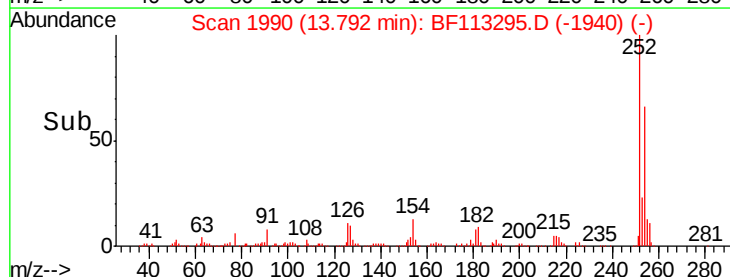
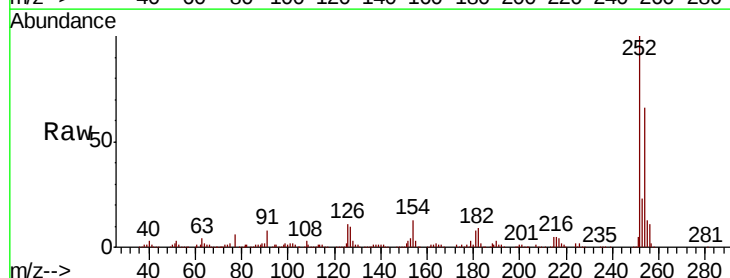
Tgt Ion:252 Resp: 275596

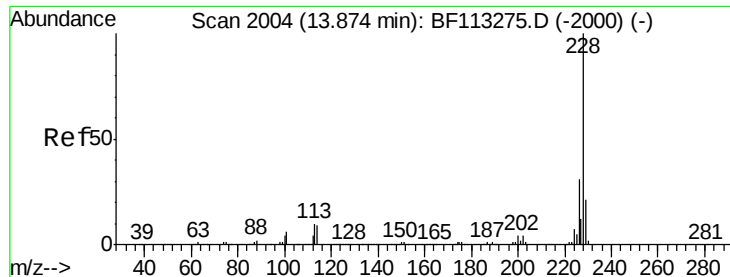
Ion Ratio Lower Upper

252 100

254 66.2 52.2 78.2

126 11.3 8.5 12.7





#83

Chrysene

Concen: 22.391 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

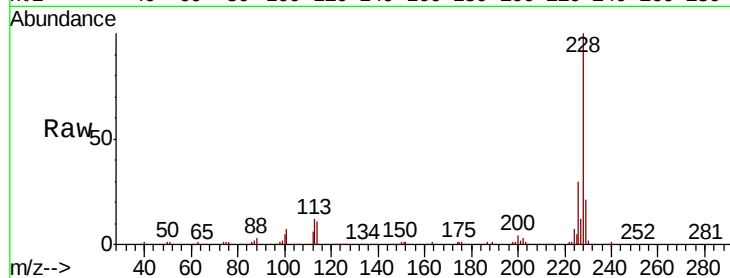
Tgt Ion:228 Resp: 721347

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 20.6 16.3 24.5

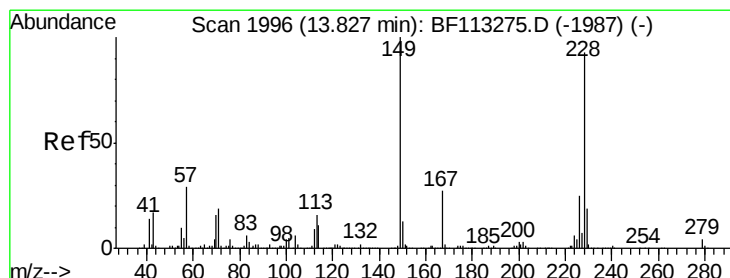
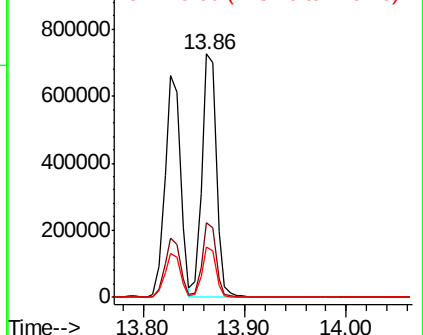
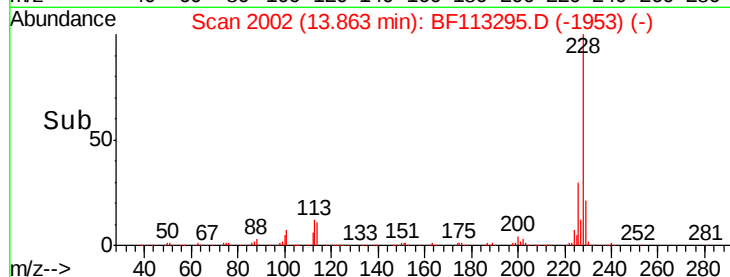


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.151 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

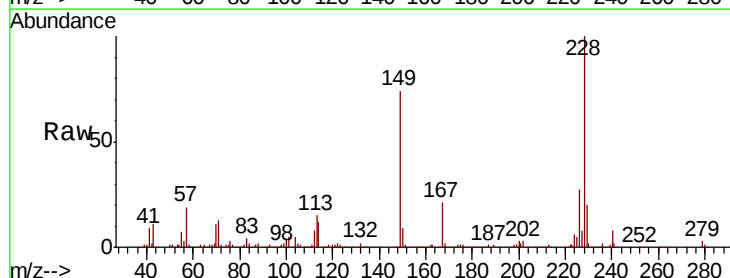
Tgt Ion:149 Resp: 418025

Ion Ratio Lower Upper

149 100

167 27.8 21.8 32.8

279 4.3 2.9 4.3

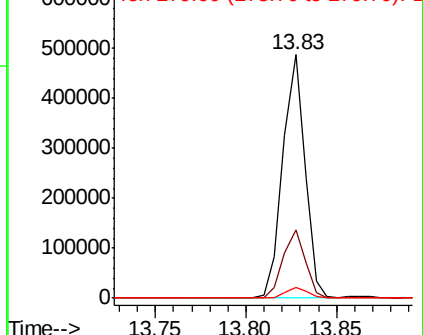
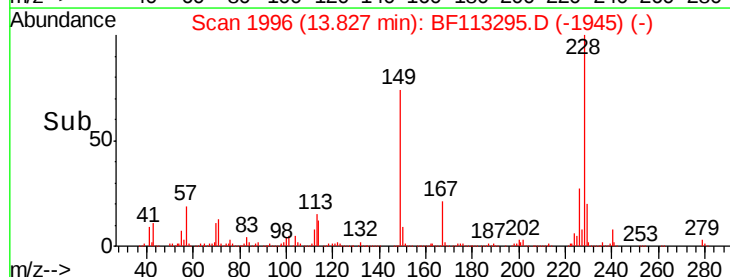


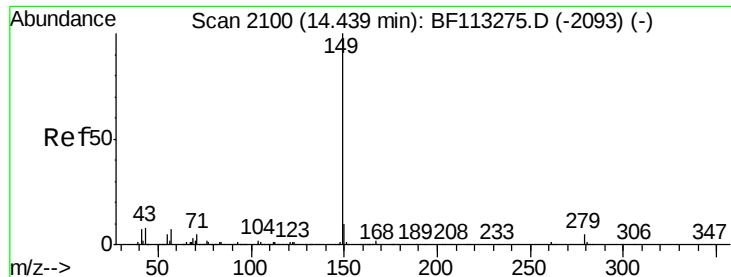
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

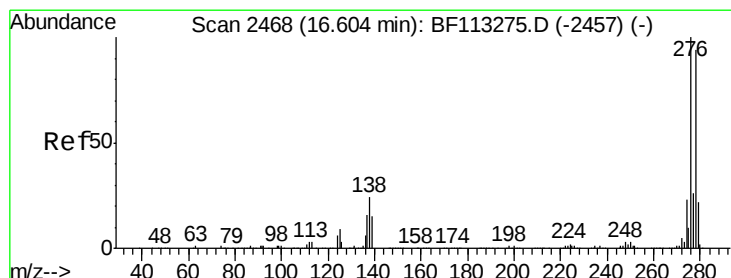
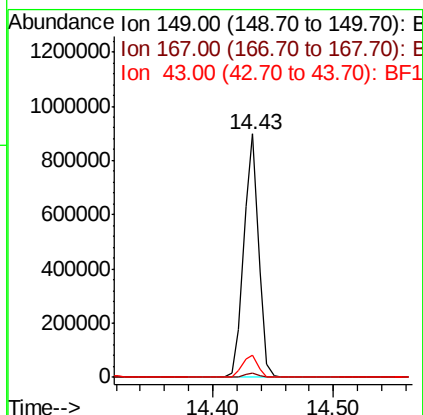
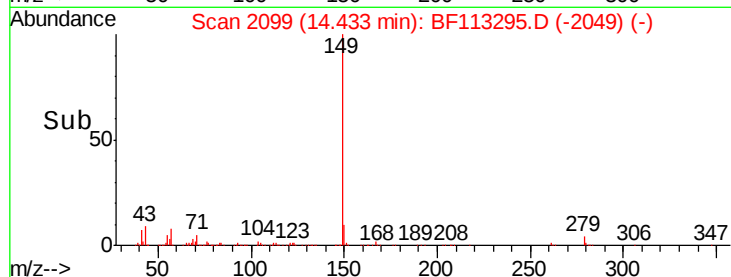
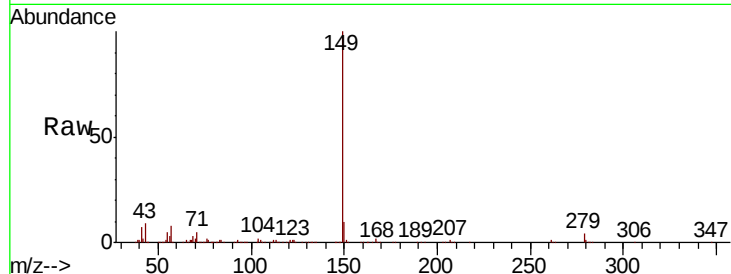




#85
Di-n-octyl phthalate
Concen: 21.778 ng
RT: 14.43 min Scan# 2099
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

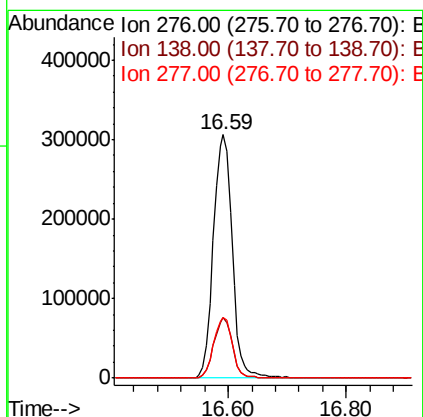
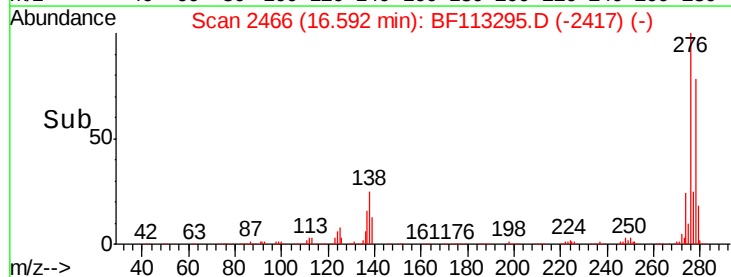
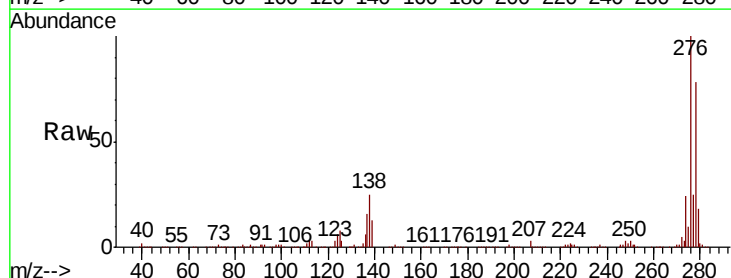
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

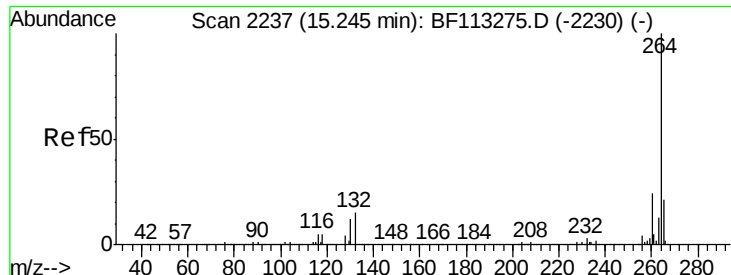
Tgt Ion:149 Resp: 766862
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.5 7.7 11.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 24.682 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:276 Resp: 682403
Ion Ratio Lower Upper
276 100
138 24.6 18.1 27.1
277 24.7 20.2 30.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

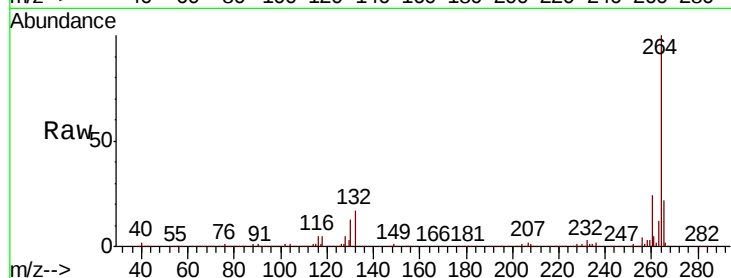
Tgt Ion:264 Resp: 559544

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 21.5 17.1 25.7

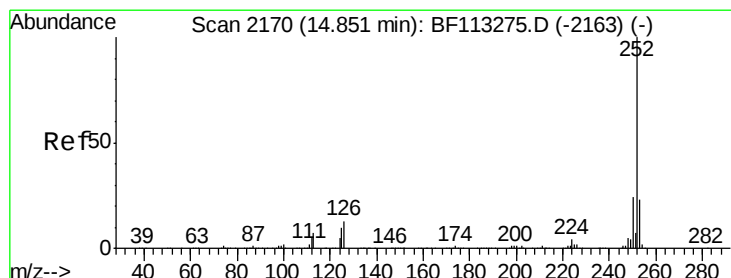
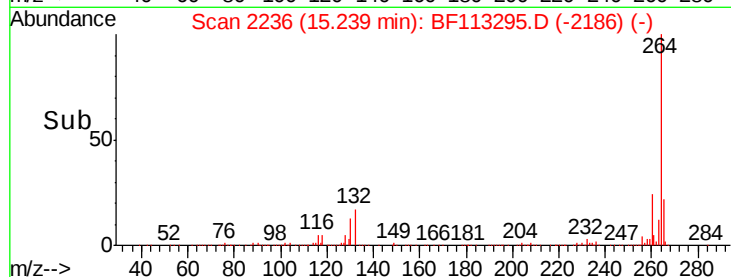
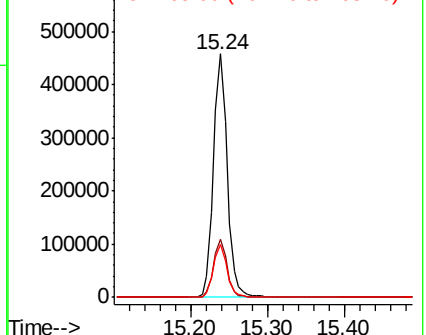


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 20.259 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

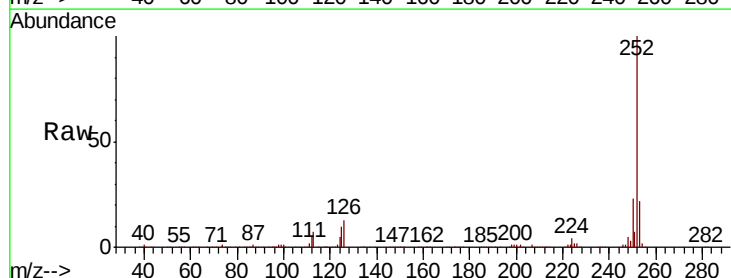
Tgt Ion:252 Resp: 704183

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

125 9.7 7.6 11.4

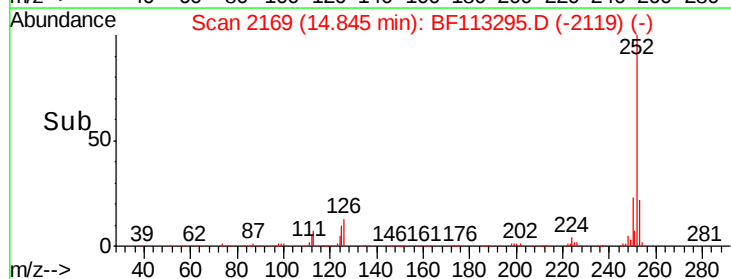
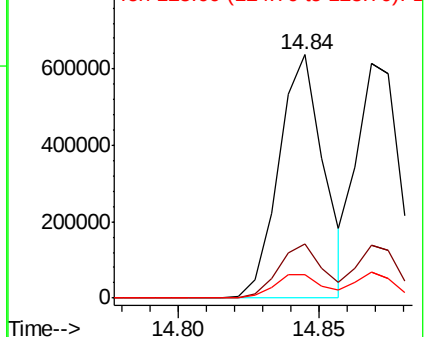


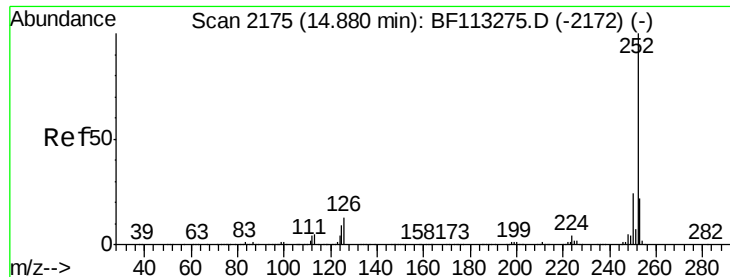
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

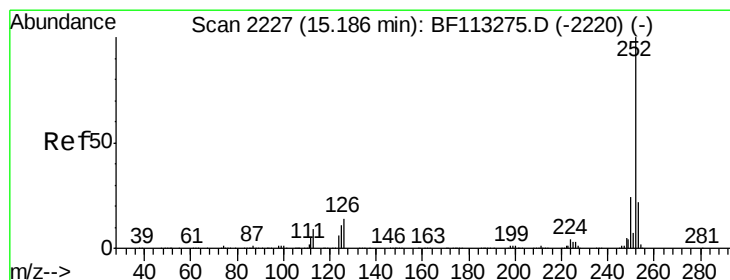
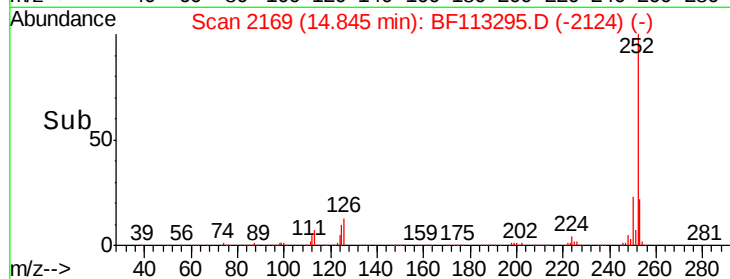
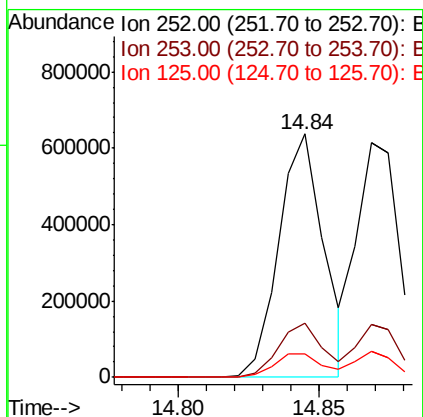
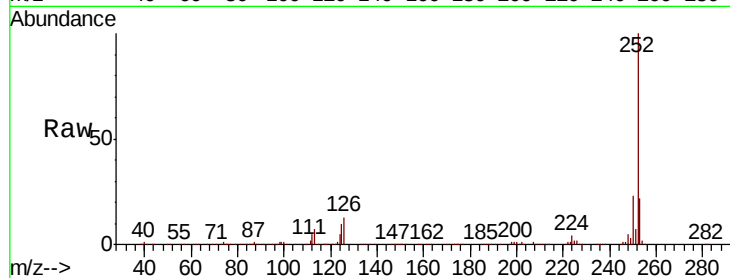




#89
Benzo(k)fluoranthene
Concen: 23.069 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

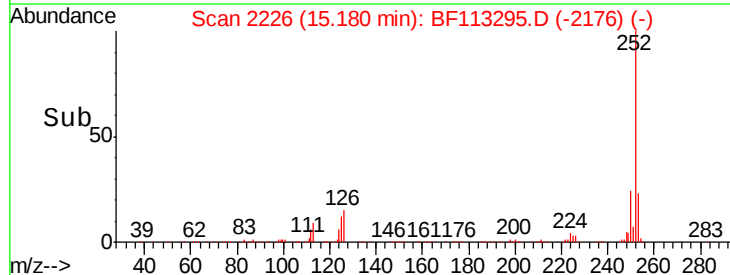
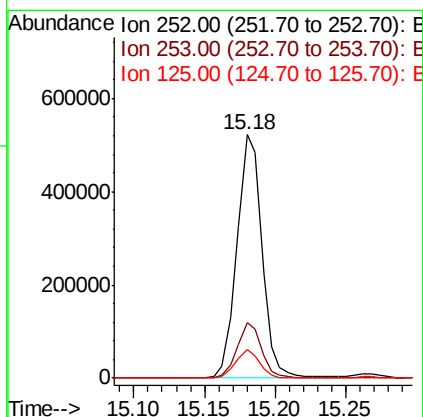
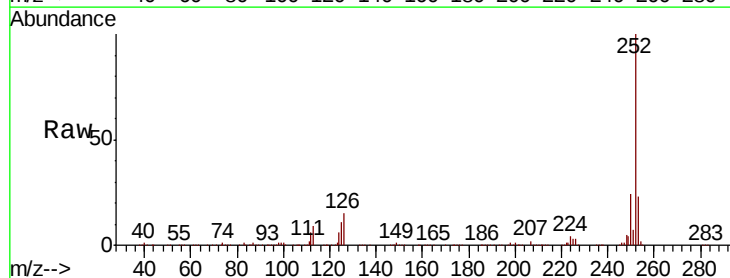
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2019

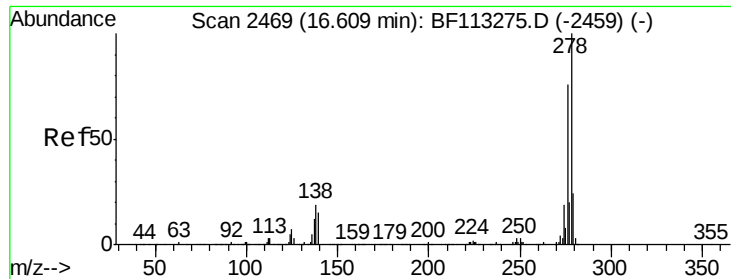
Tgt Ion:252 Resp: 704183
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 9.7 7.3 10.9



#90
Benzo(a)pyrene
Concen: 21.068 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion:252 Resp: 649222
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.5 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 21.336 ng

RT: 16.60 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

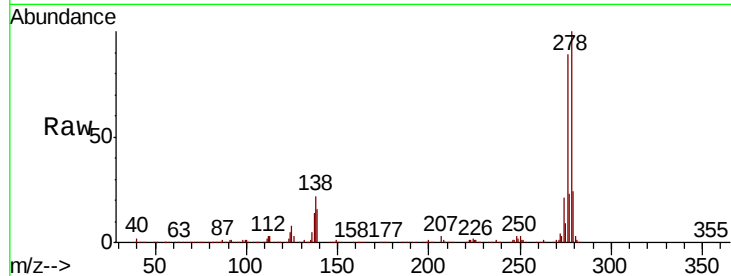
Tgt Ion:278 Resp: 568485

Ion Ratio Lower Upper

278 100

139 15.7 12.0 18.0

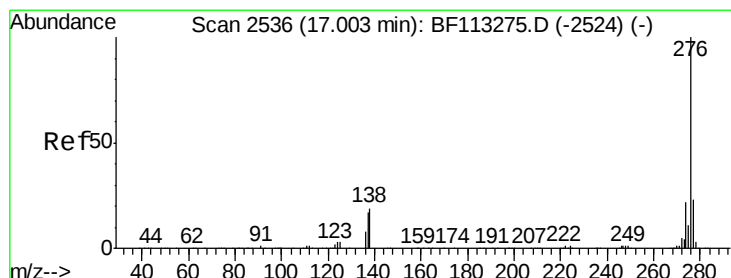
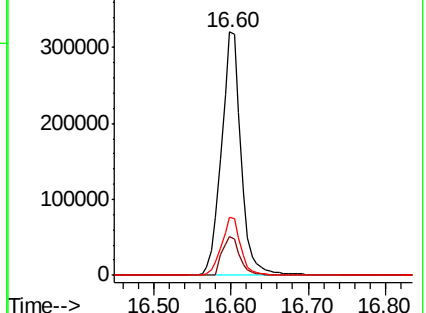
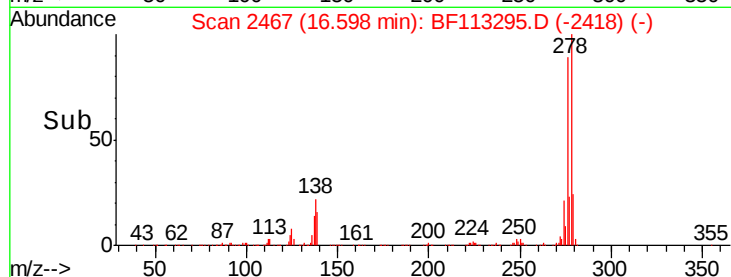
279 23.8 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 20.283 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

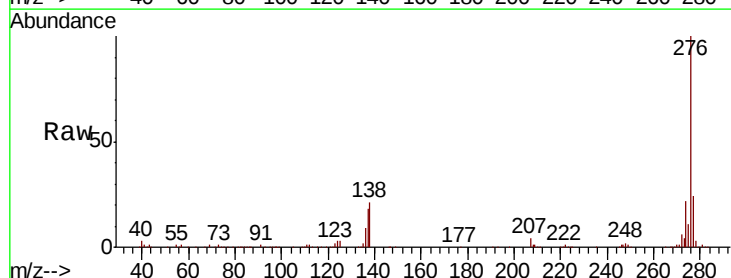
Tgt Ion:276 Resp: 544910

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 20.9 15.6 23.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

