

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113293.D
 Acq On : 26 Mar 2019 16:01
 Operator : JU/SJ
 Sample : K1560-01
 Misc : 8PPM LOD
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 27 04:58:21 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	163199	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	586214	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	281604	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	593684	20.00	ng	0.00
76) Chrysene-d12	13.84	240	575071	20.00	ng	0.00
87) Perylene-d12	15.24	264	572681	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1173337	117.56	ng	0.00
7) Phenol-d6	6.35	99	1497255	118.58	ng	0.00
23) Nitrobenzene-d5	7.27	82	912842	92.43	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	450804	129.60	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1645425	93.30	ng	0.00
79) Terphenyl-d14	12.80	244	1948662	74.69	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.38	88	39252	7.751	ng	96
3) Pyridine	3.16	79	86578	6.935	ng	94
4) n-Nitrosodimethylamine	3.01	42	39953	7.199	ng	# 97
6) Aniline	6.36	93	124476	8.095	ng	89
8) 2-Chlorophenol	6.49	128	95410	8.232	ng	95
9) Benzaldehyde	6.25	77	72329	8.537	ng	99
10) Phenol	6.36	94	118337	8.209	ng	96
11) bis(2-Chloroethyl)ether	6.44	93	89505	8.100	ng	98
12) 1,3-Dichlorobenzene	6.65	146	102603	8.212	ng	97
13) 1,4-Dichlorobenzene	6.72	146	102909	8.531	ng	98
14) 1,2-Dichlorobenzene	6.87	146	98390	8.291	ng	96
15) Benzyl Alcohol	6.85	79	81658	9.803	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.98	45	141067	8.498	ng	100
17) 2-Methylphenol	6.97	107	72336	7.964	ng	96
18) Hexachloroethane	7.22	117	36055	8.322	ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	62363	7.863	ng	97
22) Acetophenone	7.11	105	121178	9.064	ng	# 95
24) Nitrobenzene	7.28	77	97702	9.480	ng	92
25) Isophorone	7.52	82	171613	8.966	ng	98
26) 2-Nitrophenol	7.60	139	48754	8.949	ng	91
27) 2,4-Dimethylphenol	7.65	122	72133	9.205	ng	96
28) bis(2-Chloroethoxy)methane	7.73	93	109362	9.073	ng	99
29) 2,4-Dichlorophenol	7.85	162	73412	8.645	ng	98
30) 1,2,4-Trichlorobenzene	7.93	180	82630	9.019	ng	99
31) Naphthalene	8.00	128	267184	9.327	ng	99
32) Benzoic acid	7.74	122	39490	6.260	ng	94
33) 4-Chloroaniline	8.06	127	103522	9.267	ng	99
34) Hexachlorobutadiene	8.13	225	49664	9.120	ng	99
35) Caprolactam	8.40	113	23619	8.666	ng	93
36) 4-Chloro-3-methylphenol	8.55	107	79928	9.358	ng	97
37) 2-Methylnaphthalene	8.70	142	184120	10.301	ng	98
38) 1-Methylnaphthalene	8.79	142	167904	9.766	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.86	216	81732	9.042	ng	99
41) Hexachlorocyclopentadiene	8.85	237	15768	4.121	ng	96

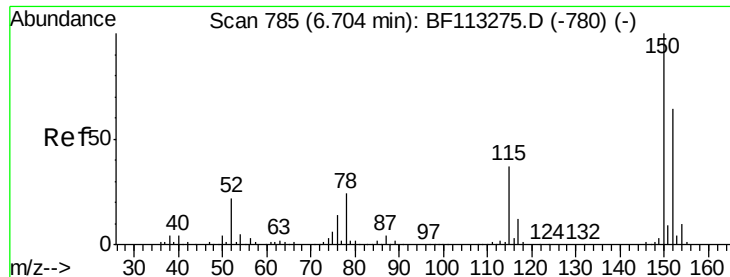
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	8.98	196	50024	8.498	ng	99
44) 2,4,5-Trichlorophenol	9.03	196	56209	8.628	ng	97
46) 1,1'-Biphenyl	9.16	154	227023	9.653	ng	99
47) 2-Chloronaphthalene	9.18	162	168320	9.295	ng	100
48) 2-Nitroaniline	9.28	65	50273	8.846	ng	98
49) Acenaphthylene	9.59	152	277621	9.482	ng	98
50) Dimethylphthalate	9.46	163	182500	8.745	ng	98
51) 2,6-Dinitrotoluene	9.52	165	40240	8.547	ng	98
52) Acenaphthene	9.76	154	154745	9.385	ng	99
53) 3-Nitroaniline	9.69	138	44555	8.392	ng	91
54) 2,4-Dinitrophenol	9.81	184	13611	5.813	ng	99
55) Dibenzofuran	9.94	168	240494	9.702	ng	96
56) 4-Nitrophenol	9.87	139	25613	6.767	ng	95
57) 2,4-Dinitrotoluene	9.92	165	53480	8.932	ng	98
58) Fluorene	10.28	166	187488	9.736	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.06	232	46589	8.457	ng	97
60) Diethylphthalate	10.16	149	178423	8.715	ng	98
61) 4-Chlorophenyl-phenylether	10.27	204	89275	9.512	ng	89
62) 4-Nitroaniline	10.29	138	47469	8.684	ng	96
63) Azobenzene	10.43	77	173699	9.013	ng	99
65) 4,6-Dinitro-2-methylphenol	10.34	198	21259	6.546	ng	100
66) n-Nitrosodiphenylamine	10.39	169	160115	8.789	ng	99
67) 4-Bromophenyl-phenylether	10.76	248	55232	8.536	ng	97
68) Hexachlorobenzene	10.83	284	66191	8.813	ng	# 93
69) Atrazine	10.92	200	49344	8.581	ng	99
70) Pentachlorophenol	11.03	266	26746	6.835	ng	89
71) Phenanthrene	11.23	178	283374	9.612	ng	98
72) Anthracene	11.29	178	296397	9.898	ng	98
73) Carbazole	11.44	167	288398	10.093	ng	98
74) Di-n-butylphthalate	11.77	149	327292	9.877	ng	98
75) Fluoranthene	12.42	202	344100	10.324	ng	99
77) Benzidine	12.54	184	178939	8.125	ng	98
78) Pyrene	12.64	202	352265	8.840	ng	98
80) Butylbenzylphthalate	13.26	149	136359	7.764	ng	98
81) Benzo(a)anthracene	13.83	228	301004	9.144	ng	98
82) 3,3'-Dichlorobenzidine	13.79	252	116959	8.857	ng	99
83) Chrysene	13.86	228	309041	9.243	ng	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	181930	8.450	ng	100
85) Di-n-octyl phthalate	14.43	149	319386	8.739	ng	100
86) Indeno(1,2,3-cd)pyrene	16.59	276	306530	10.682	ng	97
88) Benzo(b)fluoranthene	14.84	252	311456	8.755	ng	98
89) Benzo(k)fluoranthene	14.87	252	272089	8.709	ng	99
90) Benzo(a)pyrene	15.18	252	278456	8.829	ng	98
91) Dibenzo(a,h)anthracene	16.60	278	252657	9.265	ng	98
92) Benzo(g,h,i)perylene	16.99	276	243260	8.847	ng	98

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

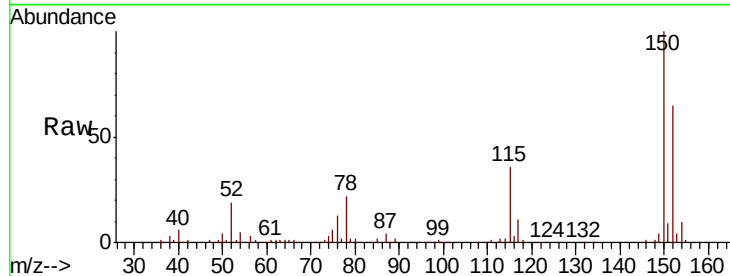


#1

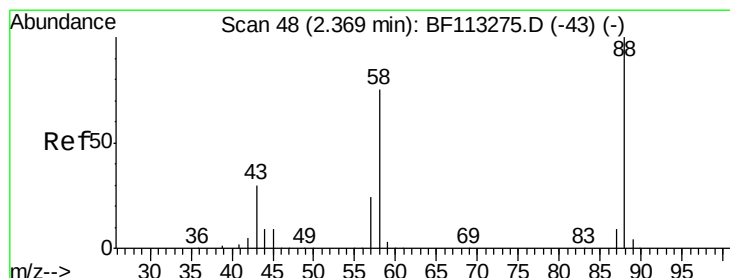
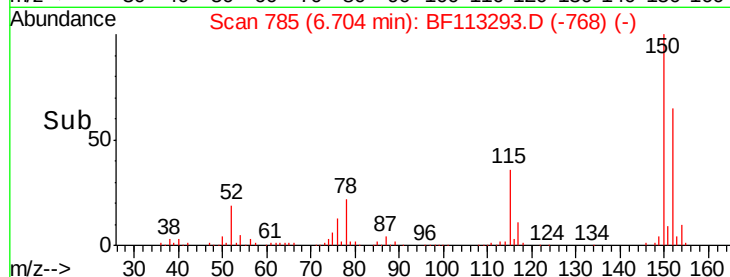
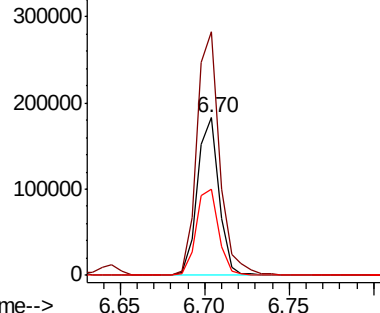
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:152 Resp: 163199
Ion Ratio Lower Upper
152 100
150 154.8 124.7 187.1
115 55.0 46.0 69.0



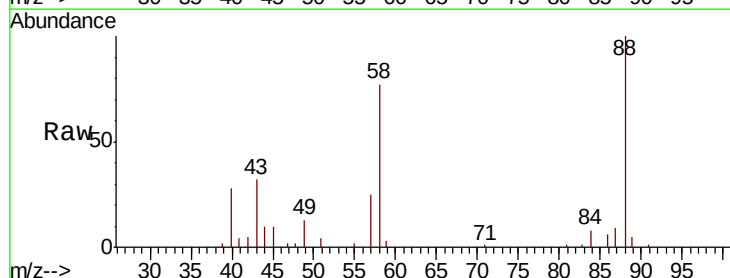
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



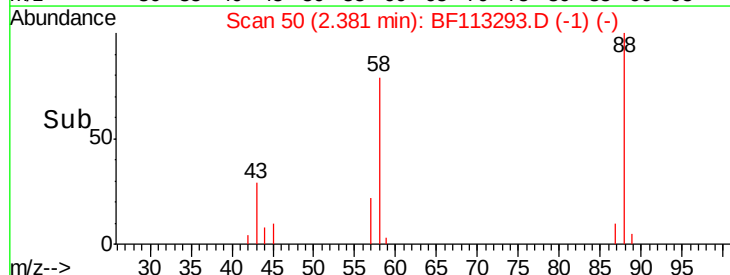
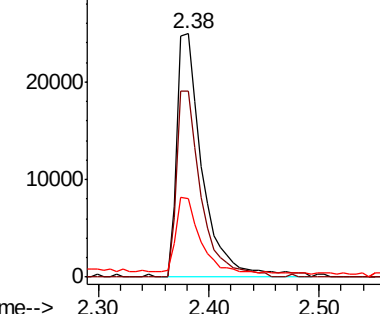
#2

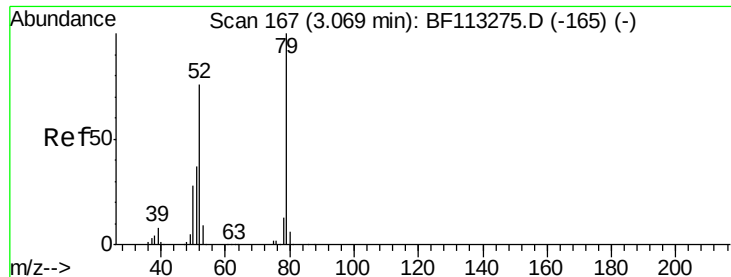
1,4-Dioxane
Concen: 7.751 ng
RT: 2.38 min Scan# 50
Delta R.T. 0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion: 88 Resp: 39252
Ion Ratio Lower Upper
88 100
58 72.8 61.9 92.9
43 29.1 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: 6.935 ng

RT: 3.16 min Scan# 183

Delta R.T. 0.09 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

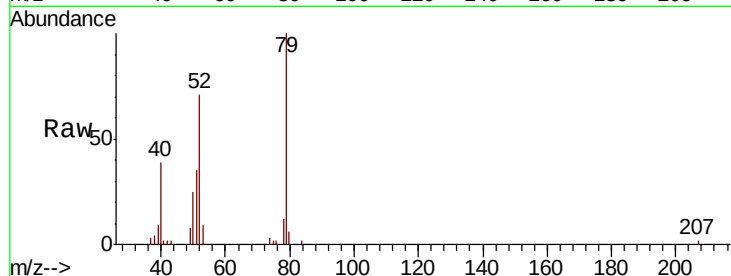
Tgt Ion: 79 Resp: 86578

Ion Ratio Lower Upper

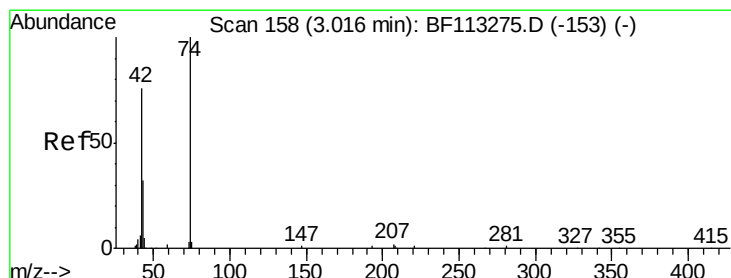
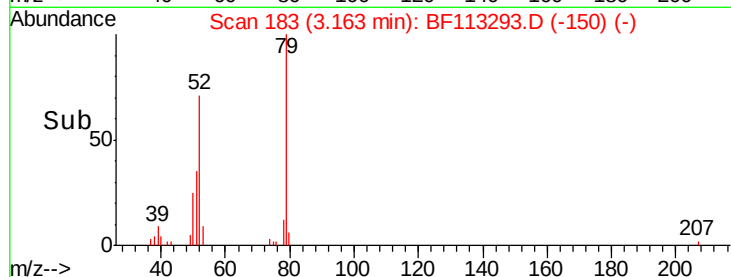
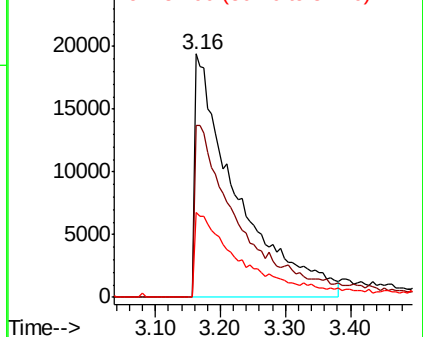
79 100

52 70.8 61.0 91.4

51 34.6 30.6 45.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 7.199 ng

RT: 3.01 min Scan# 157

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

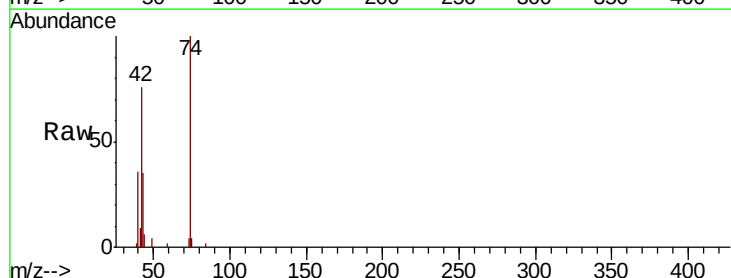
Tgt Ion: 42 Resp: 39953

Ion Ratio Lower Upper

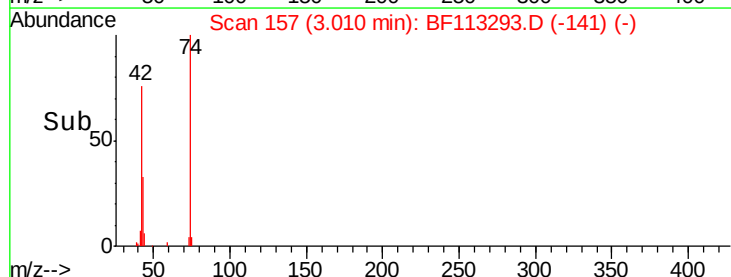
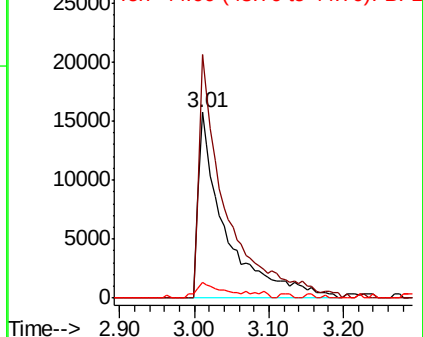
42 100

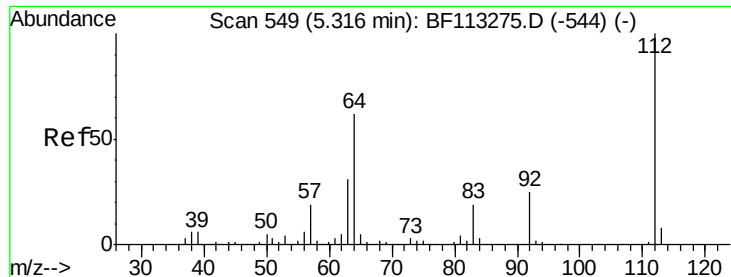
74 130.9 102.4 153.6

44 8.5 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 117.559 ng

RT: 5.32 min Scan# 549

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

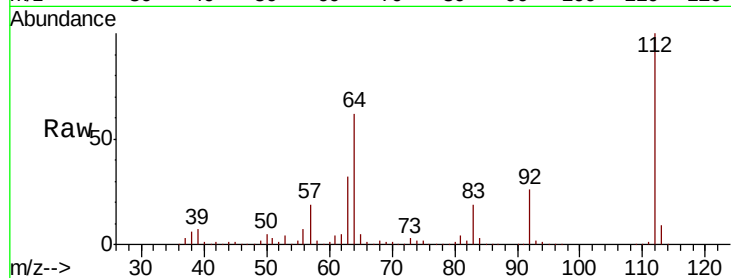
Tgt Ion:112 Resp: 1173337

Ion Ratio Lower Upper

112 100

64 62.4 49.2 73.8

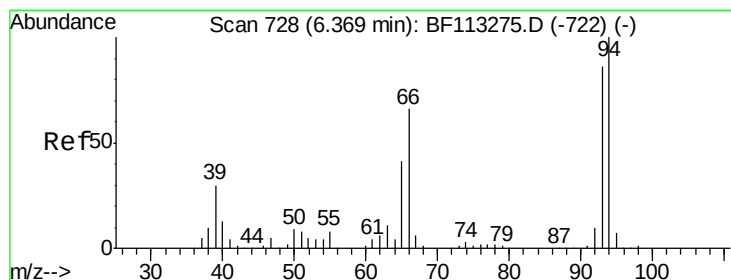
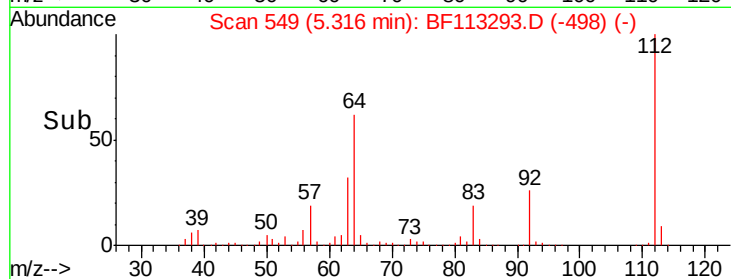
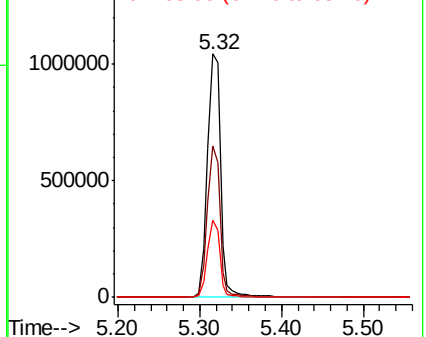
63 31.7 24.9 37.3



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: 8.095 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

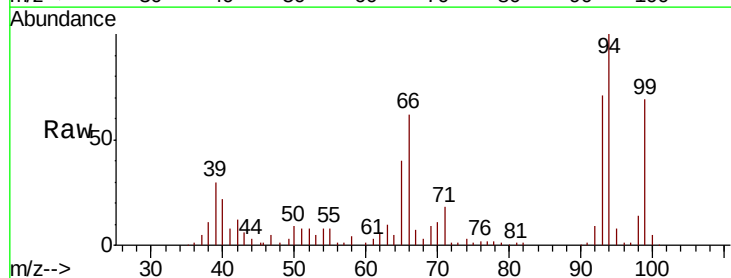
Tgt Ion: 93 Resp: 124476

Ion Ratio Lower Upper

93 100

66 87.2 62.1 93.1

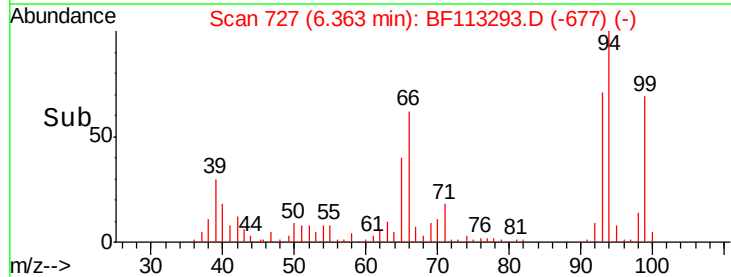
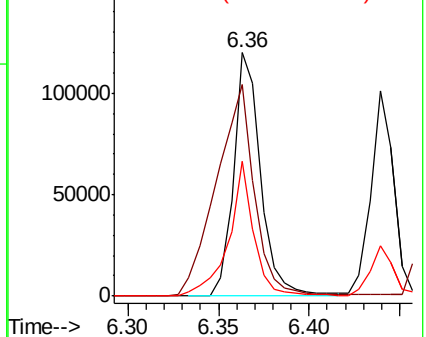
65 55.4 38.7 58.1

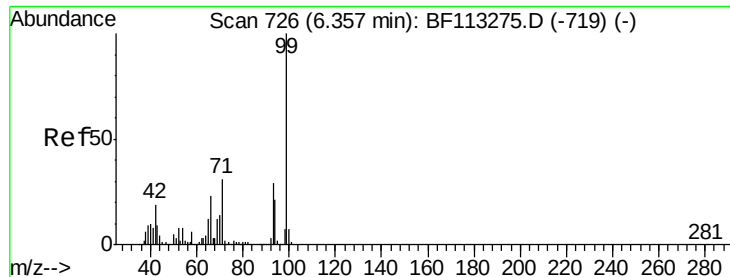


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 118.582 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

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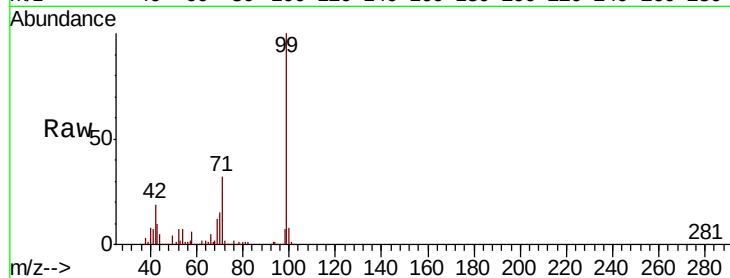
Tgt Ion: 99 Resp: 1497255

Ion Ratio Lower Upper

99 100

42 19.3 14.8 22.2

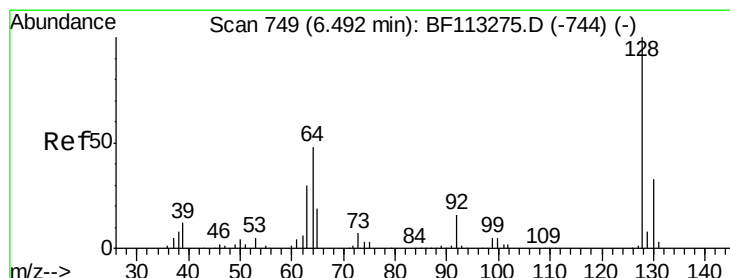
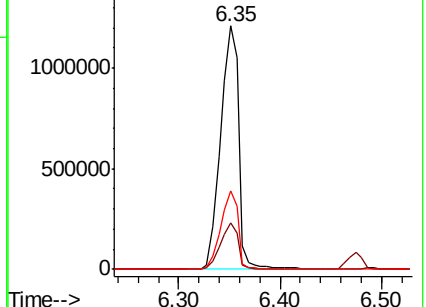
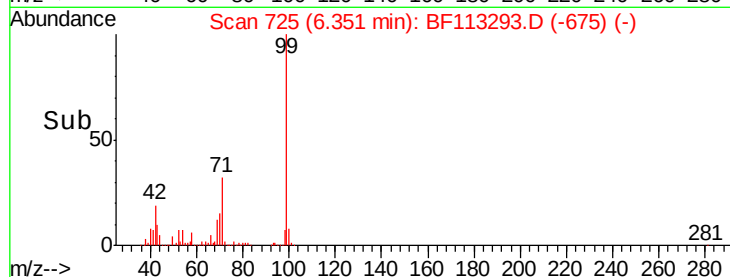
71 32.4 24.9 37.3



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: 8.232 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

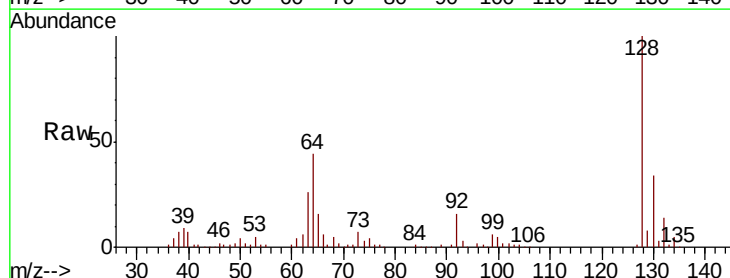
Tgt Ion: 128 Resp: 95410

Ion Ratio Lower Upper

128 100

130 33.7 12.6 52.6

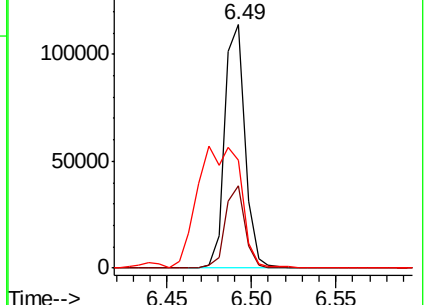
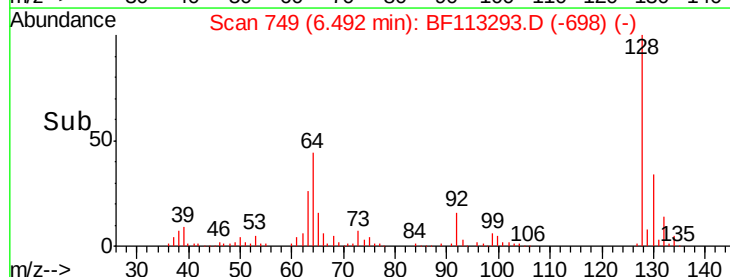
64 44.3 29.4 69.4

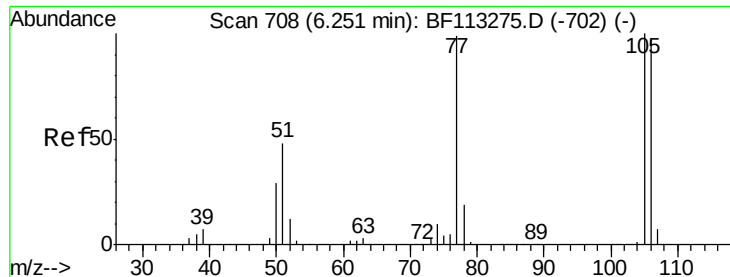


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 8.537 ng

RT: 6.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF113293.D

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Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

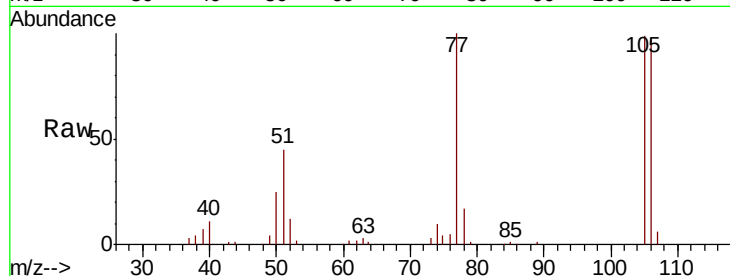
Tgt Ion: 77 Resp: 72329

Ion Ratio Lower Upper

77 100

105 98.7 80.9 120.9

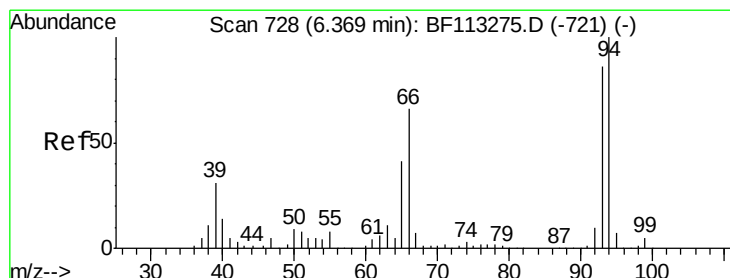
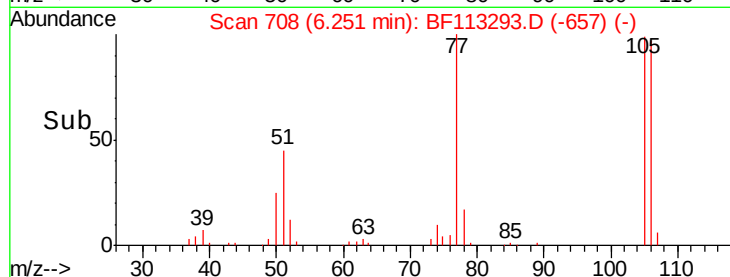
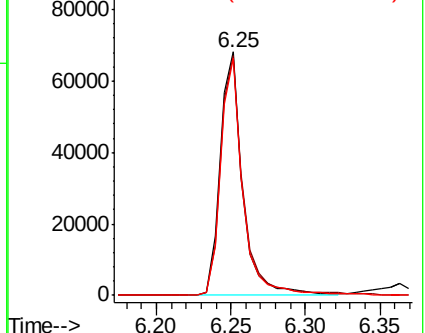
106 97.5 77.8 117.8



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: 8.209 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

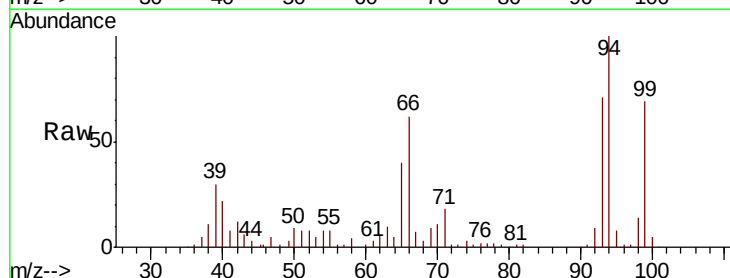
Tgt Ion: 94 Resp: 118337

Ion Ratio Lower Upper

94 100

65 39.6 21.4 61.4

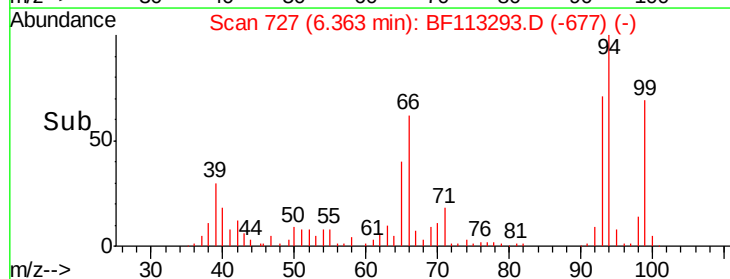
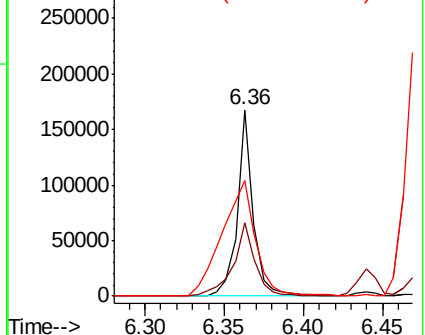
66 62.3 46.4 86.4

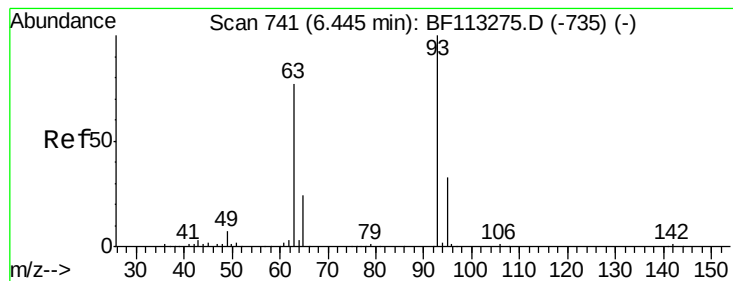


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

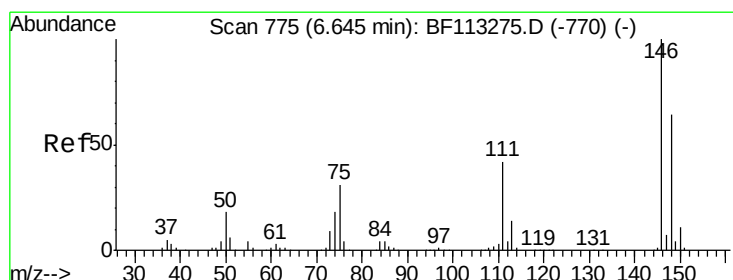
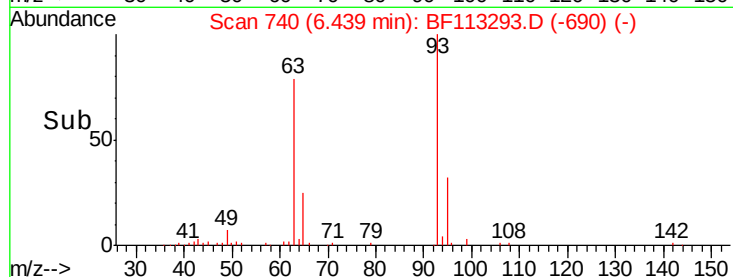
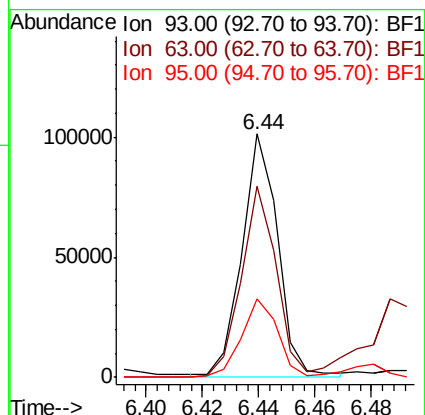
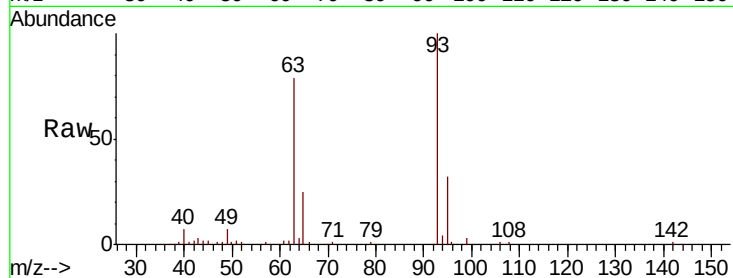




#11
 bis(2-Chloroethyl)ether
 Concen: 8.100 ng
 RT: 6.44 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

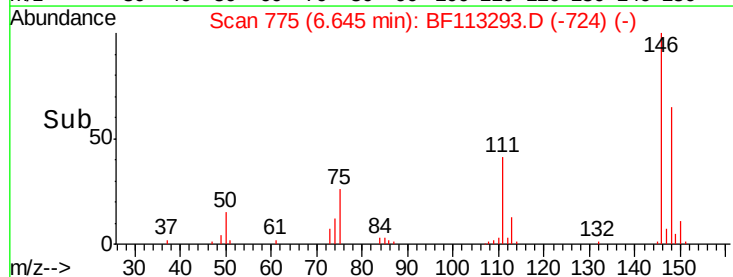
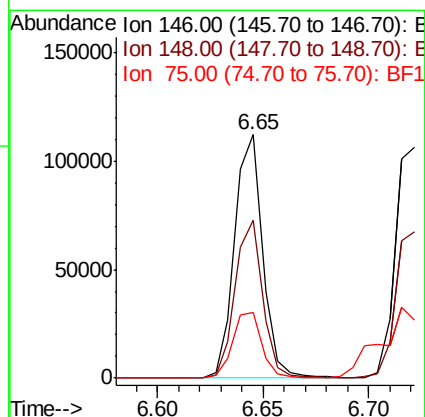
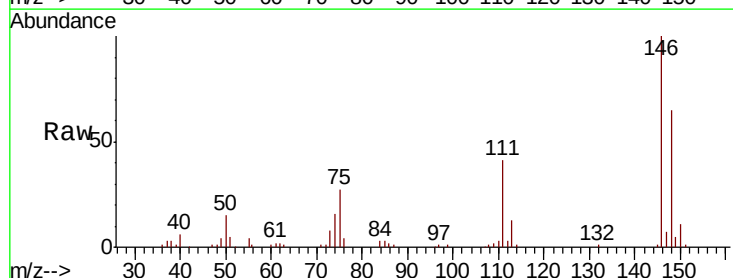
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

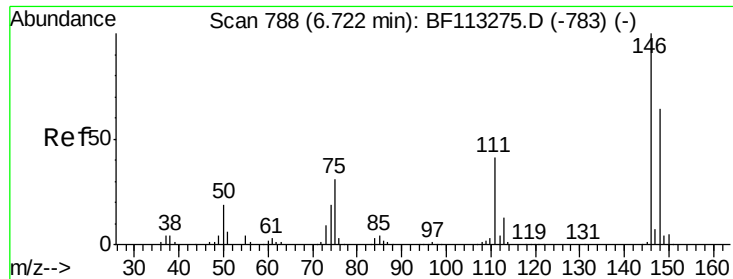
Tgt Ion: 93 Resp: 89505
 Ion Ratio Lower Upper
 93 100
 63 78.7 56.1 96.1
 95 32.3 12.8 52.8



#12
 1,3-Dichlorobenzene
 Concen: 8.212 ng
 RT: 6.65 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion: 146 Resp: 102603
 Ion Ratio Lower Upper
 146 100
 148 64.9 51.4 77.0
 75 27.0 24.8 37.2

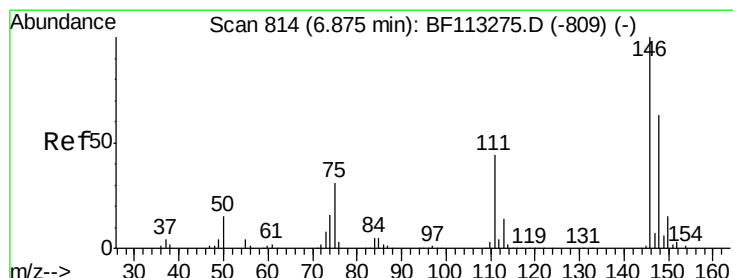
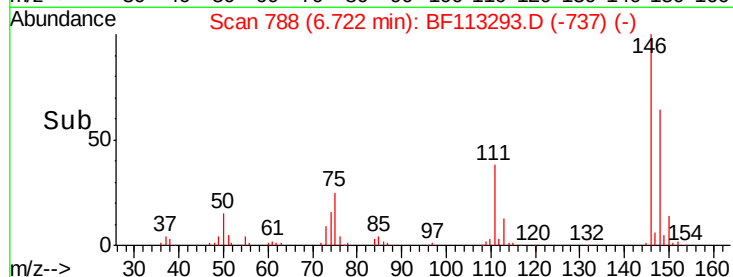
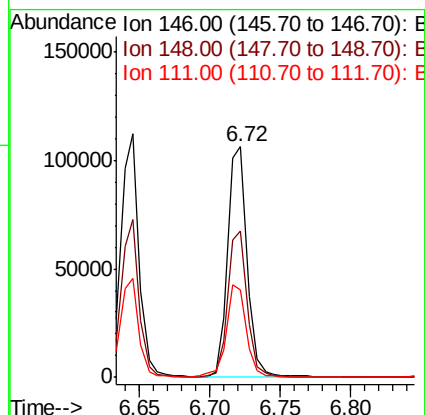
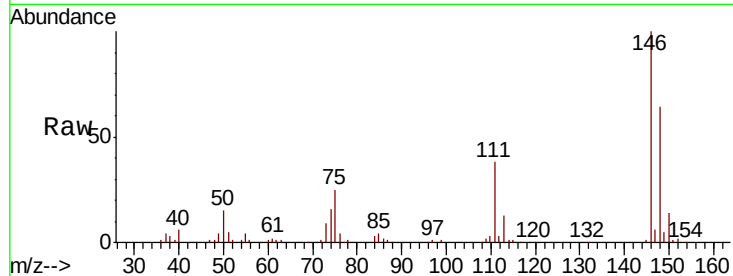




#13
 1,4-Dichlorobenzene
 Concen: 8.531 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

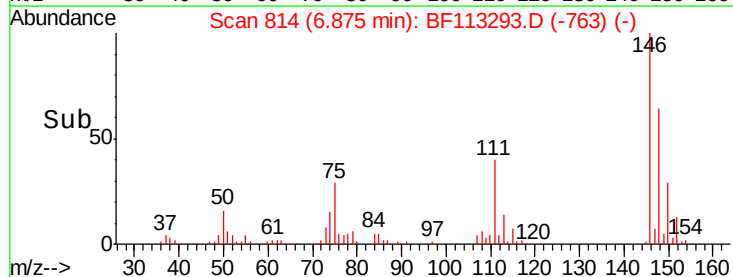
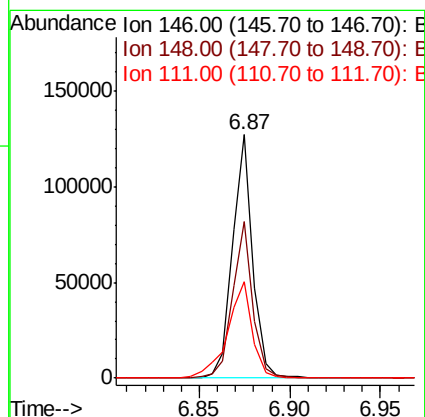
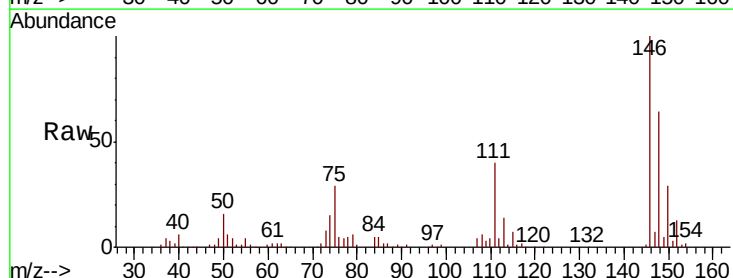
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

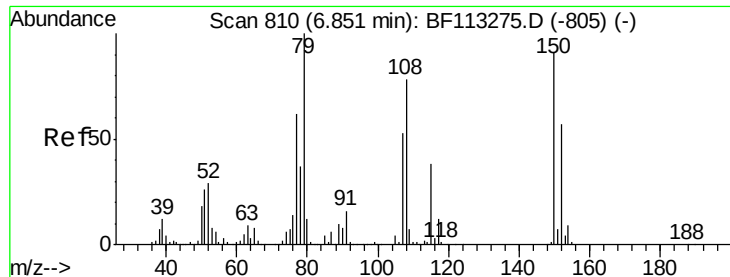
Tgt Ion:146 Resp: 102909
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.1 76.7
 111 37.9 32.8 49.2



#14
 1,2-Dichlorobenzene
 Concen: 8.291 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:146 Resp: 98390
 Ion Ratio Lower Upper
 146 100
 148 64.2 50.2 75.4
 111 39.8 35.4 53.2





#15

Benzyl Alcohol

Concen: 9.803 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

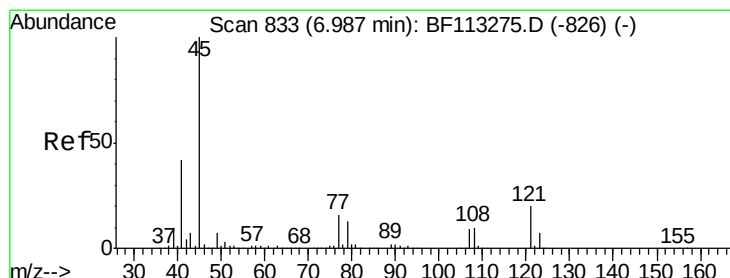
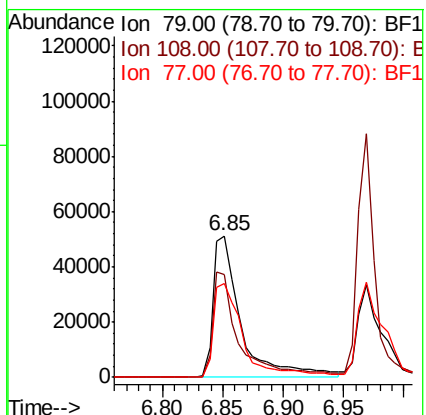
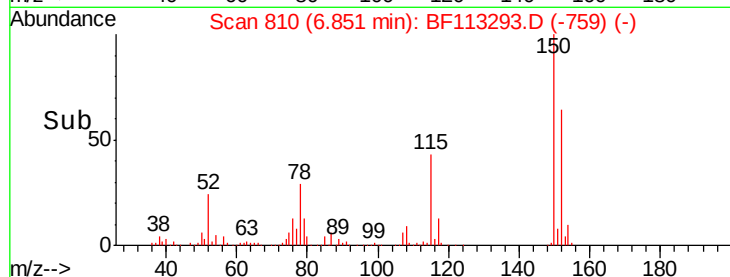
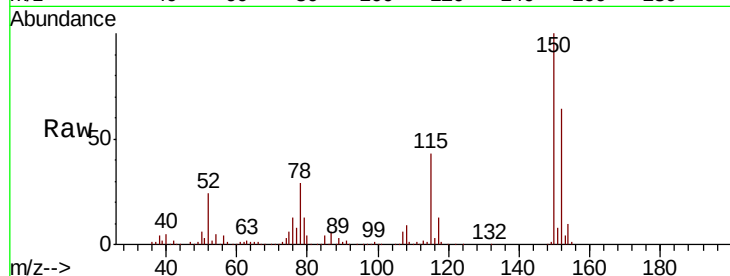
Tgt Ion: 79 Resp: 81658

Ion Ratio Lower Upper

79 100

108 73.1 62.0 93.0

77 66.8 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.498 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

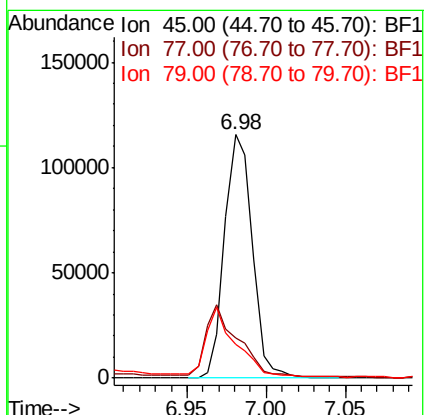
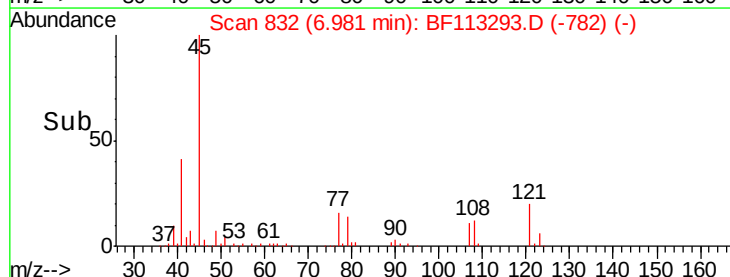
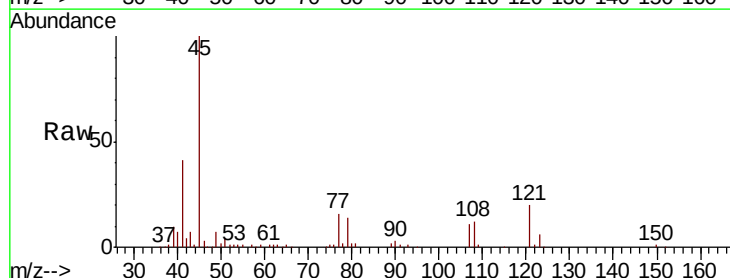
Tgt Ion: 45 Resp: 141067

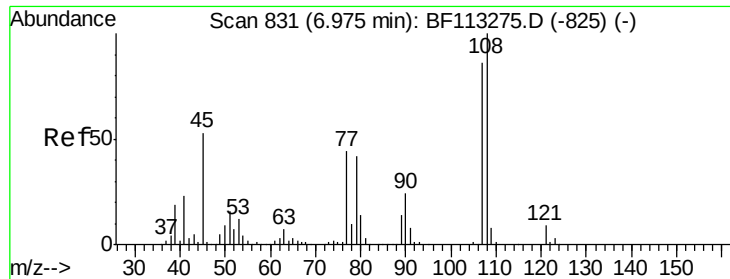
Ion Ratio Lower Upper

45 100

77 16.5 0.0 36.6

79 14.0 0.0 34.0





#17

2-Methylphenol

Concen: 7.964 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:107 Resp: 72336

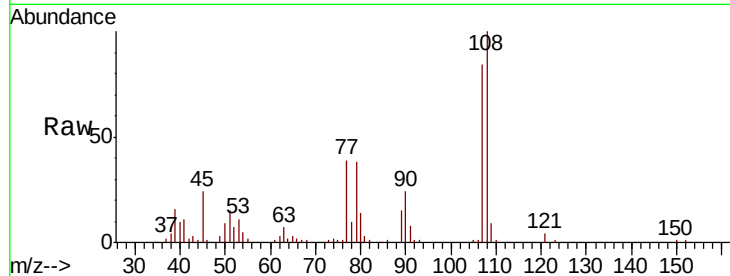
Ion Ratio Lower Upper

107 100

108 118.8 93.4 140.0

77 46.7 41.2 61.8

79 45.4 40.1 60.1

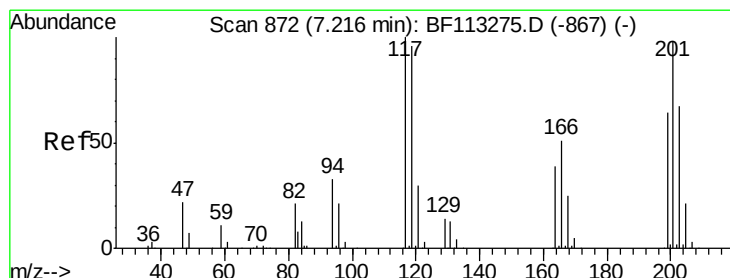
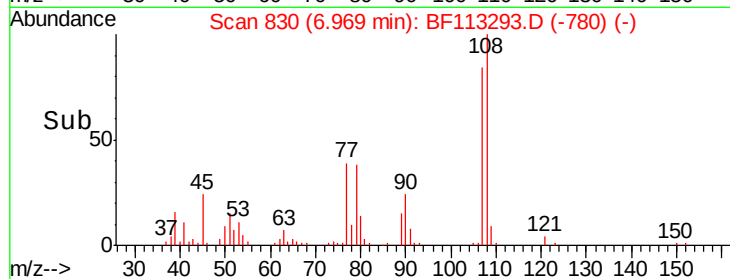
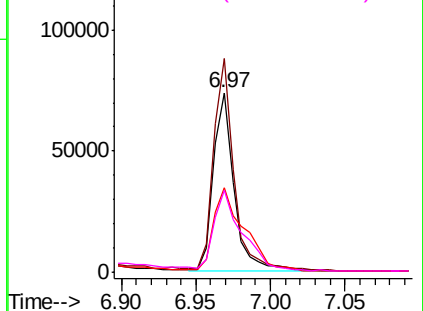


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 8.322 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

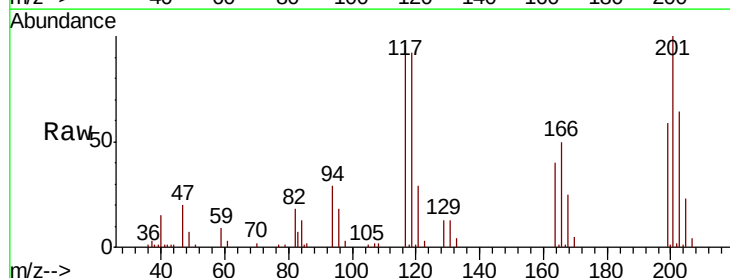
Tgt Ion:117 Resp: 36055

Ion Ratio Lower Upper

117 100

119 96.4 76.9 115.3

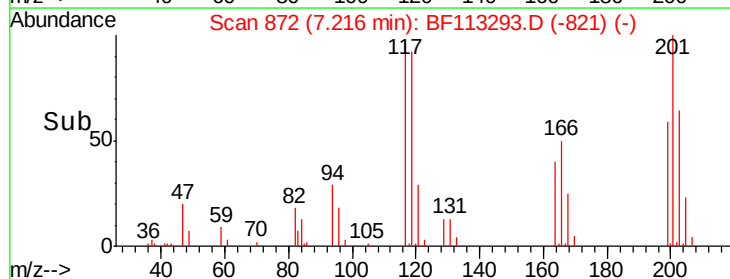
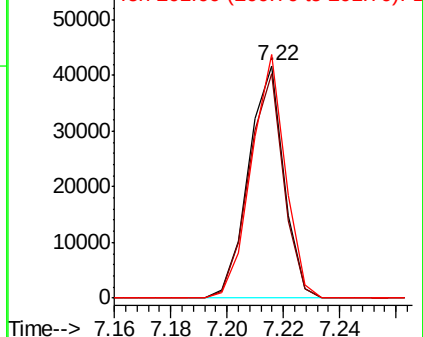
201 104.7 78.7 118.1

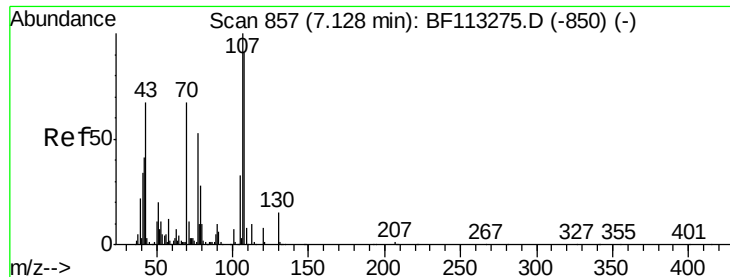


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

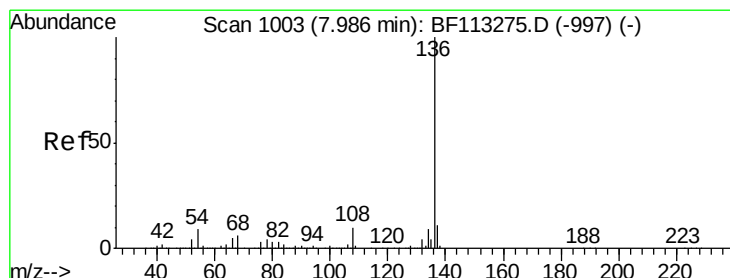
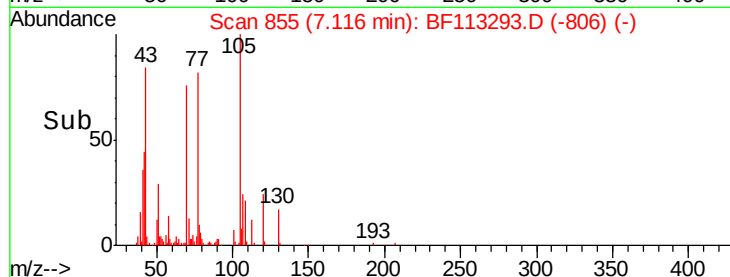
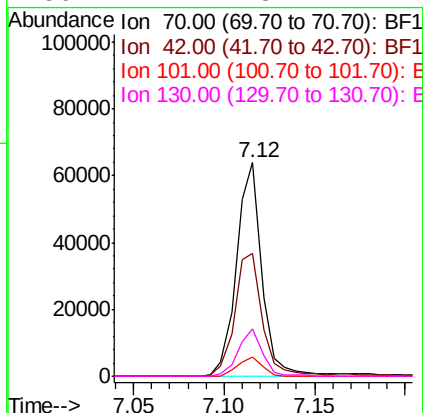
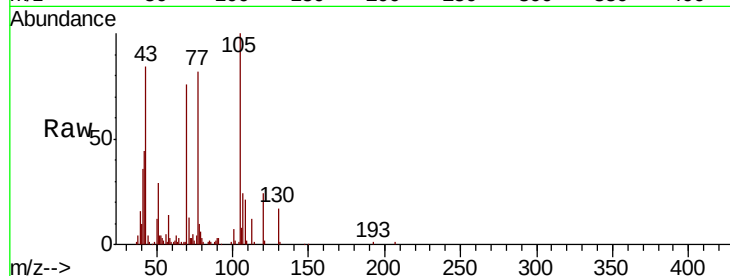




#19
n-Nitroso-di-n-propylamine
Concen: 7.863 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

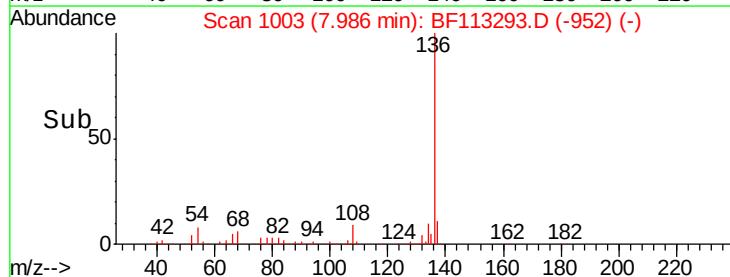
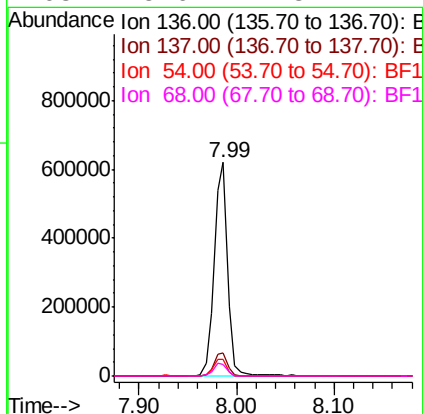
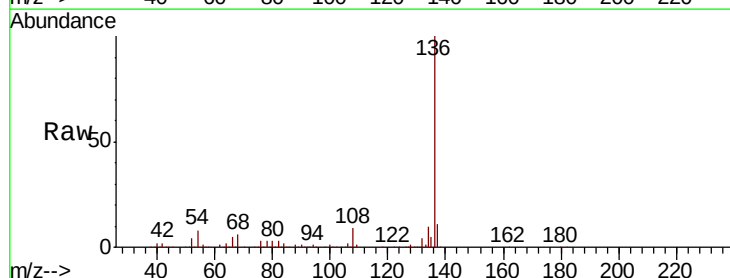
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

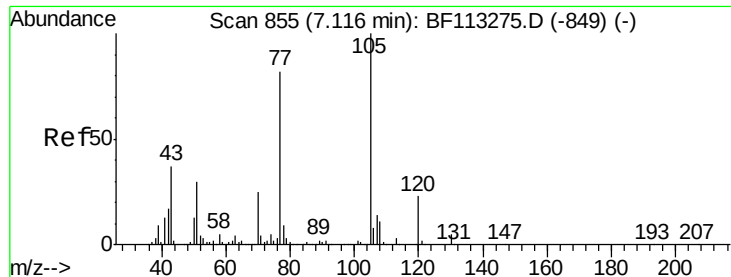
Tgt Ion:	70	Resp:	62363
Ion	Ratio	Lower	Upper
70	100		
42	57.4	48.4	72.6
101	9.1	7.8	11.8
130	22.1	18.2	27.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:	136	Resp:	586214
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.6	7.0	10.6
68	5.6	4.8	7.2





#22

Acetophenone

Concen: 9.064 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 105 Resp: 121178

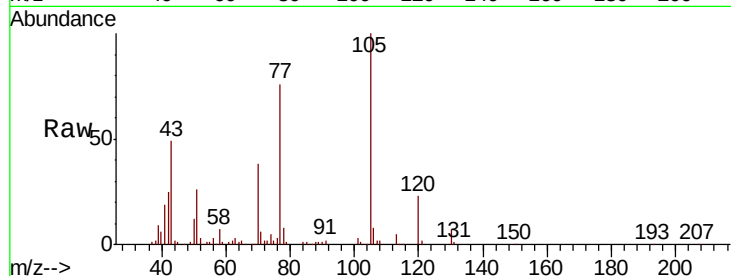
Ion Ratio Lower Upper

105 100

71 6.1 3.3 4.9#

51 26.1 24.2 36.2

120 23.3 18.1 27.1

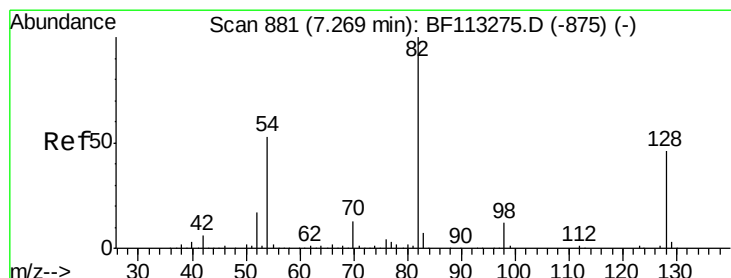
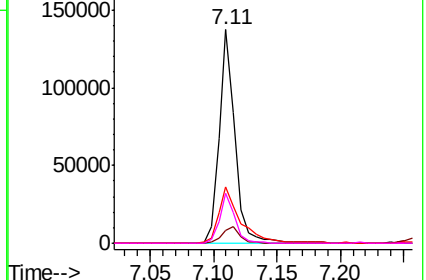
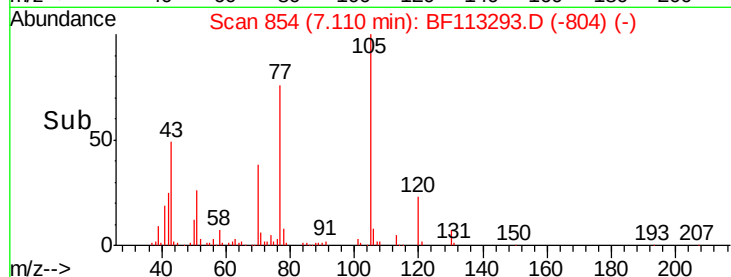


Abundance Ion 105.00 (104.70 to 105.70): E

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: 92.425 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

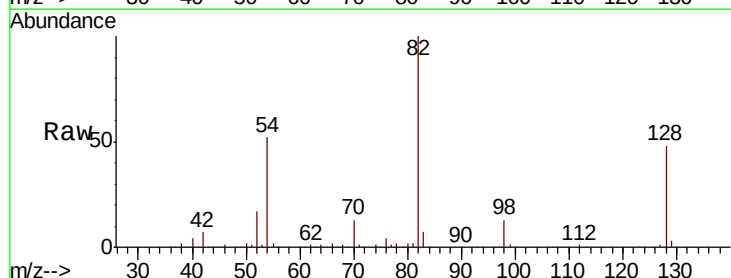
Tgt Ion: 82 Resp: 912842

Ion Ratio Lower Upper

82 100

128 48.2 36.5 54.7

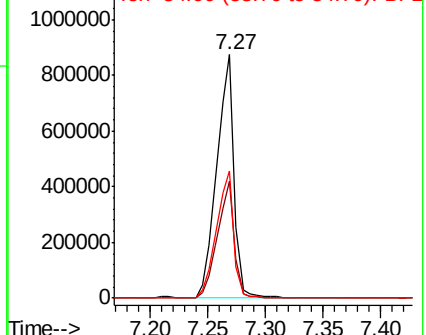
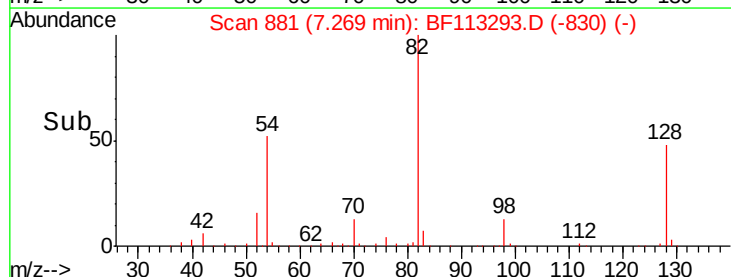
54 52.5 42.2 63.2

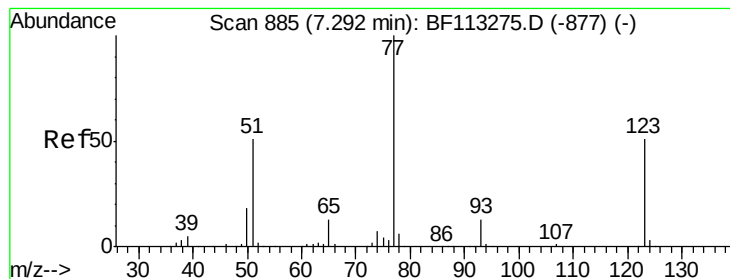


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 9.480 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampled :

LOD-MDL-SOIL-01-QT1-2019

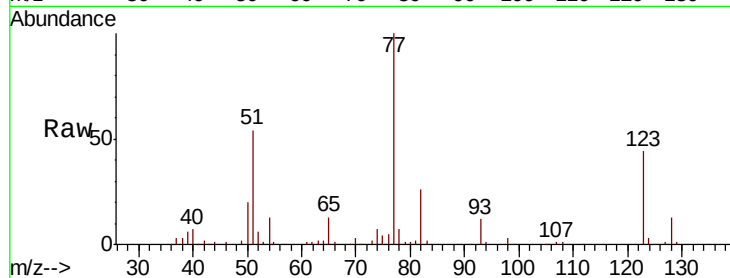
Tgt Ion: 77 Resp: 97702

Ion Ratio Lower Upper

77 100

123 44.3 40.8 61.2

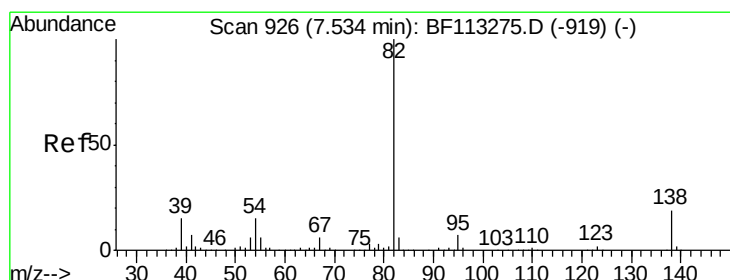
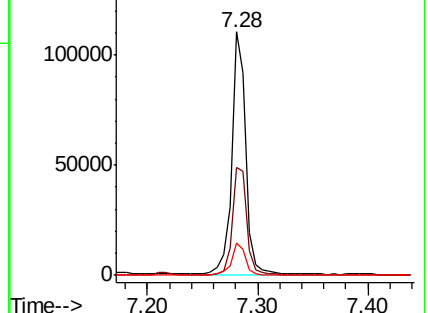
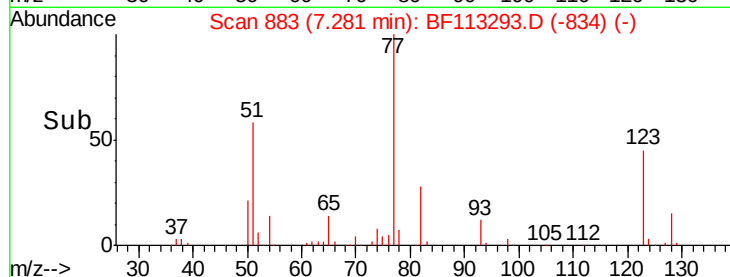
65 13.2 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 8.966 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

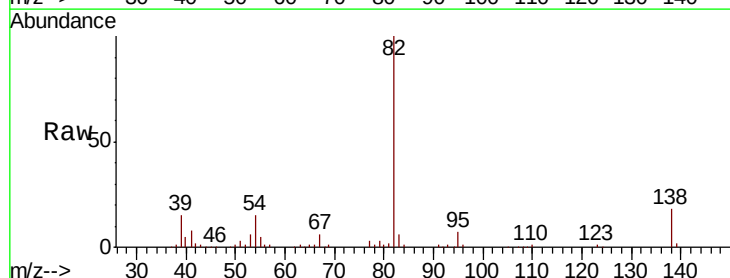
Tgt Ion: 82 Resp: 171613

Ion Ratio Lower Upper

82 100

95 6.5 5.5 8.3

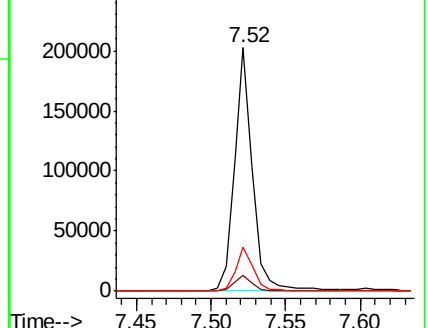
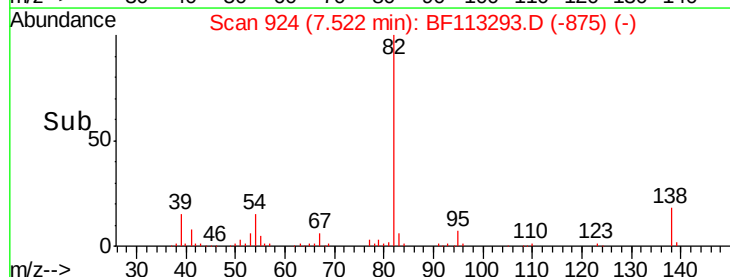
138 17.9 15.2 22.8

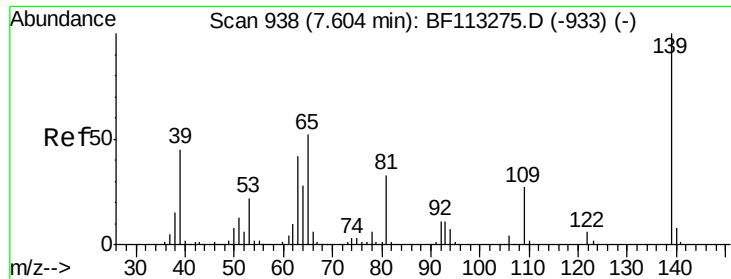


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

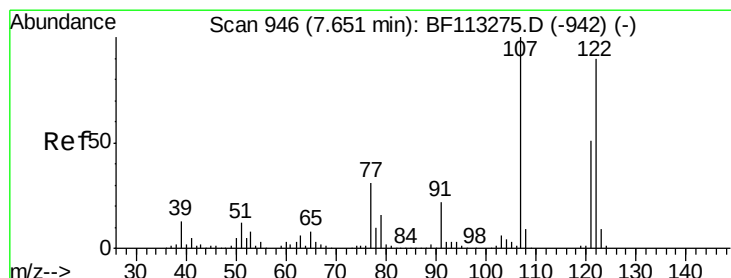
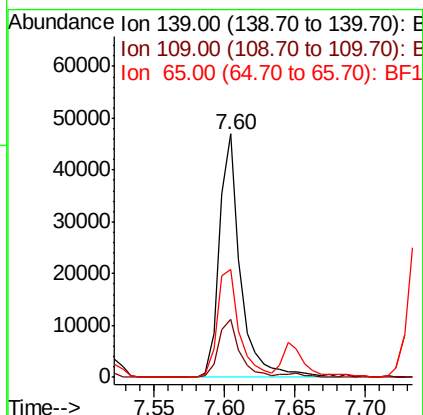
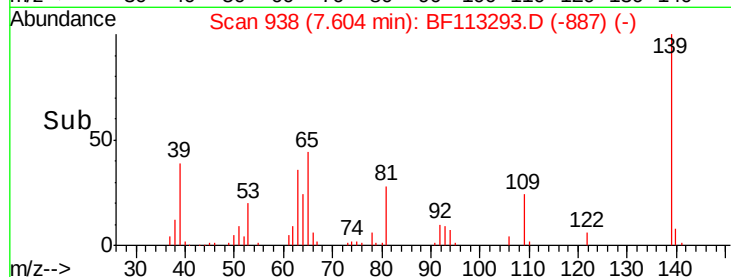
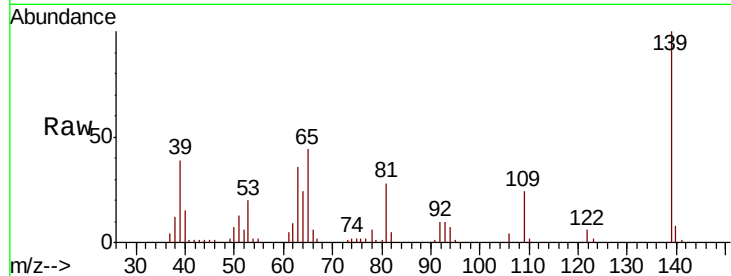




#26
2-Nitrophenol
Concen: 8.949 ng
RT: 7.60 min Scan# 938
Delta R.T. -0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

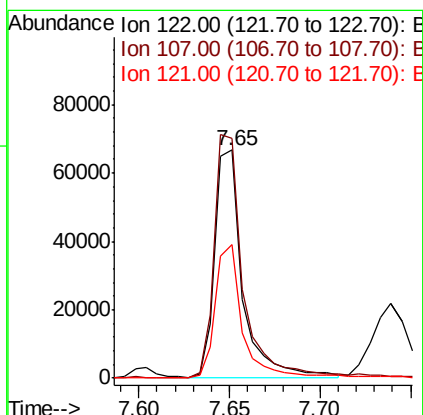
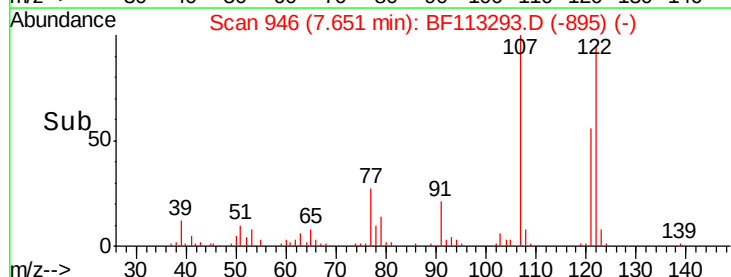
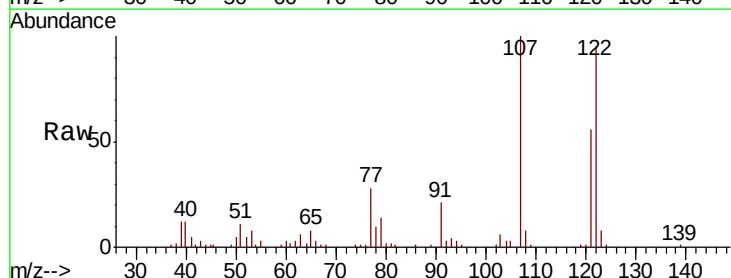
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

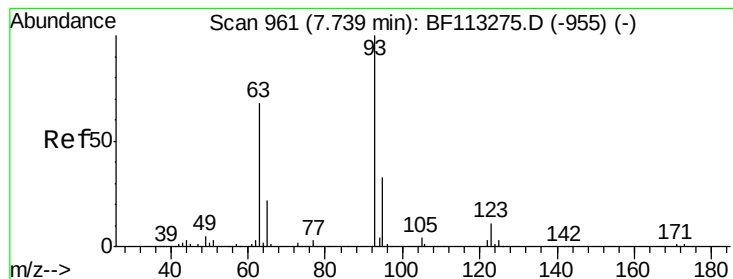
Tgt Ion:139 Resp: 48754
Ion Ratio Lower Upper
139 100
109 23.7 21.7 32.5
65 44.2 41.6 62.4



#27
2,4-Dimethylphenol
Concen: 9.205 ng
RT: 7.65 min Scan# 946
Delta R.T. -0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:122 Resp: 72133
Ion Ratio Lower Upper
122 100
107 105.1 88.8 133.2
121 58.5 45.5 68.3





#28

bis(2-Chloroethoxy)methane

Concen: 9.073 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

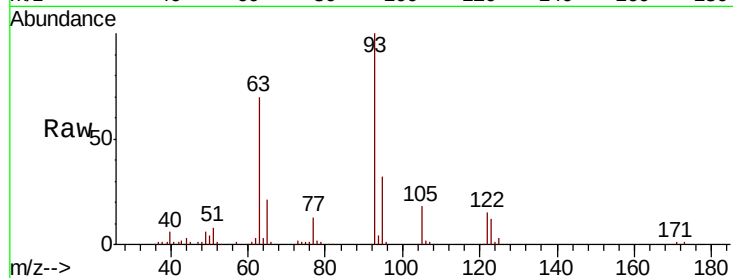
Tgt Ion: 93 Resp: 109362

Ion Ratio Lower Upper

93 100

95 32.2 26.0 39.0

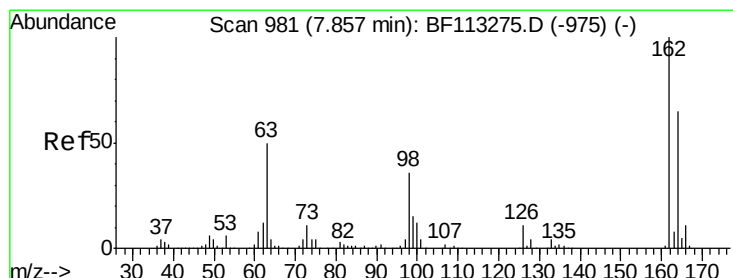
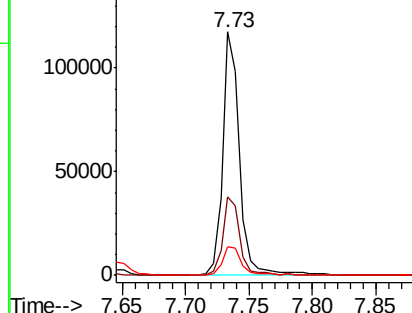
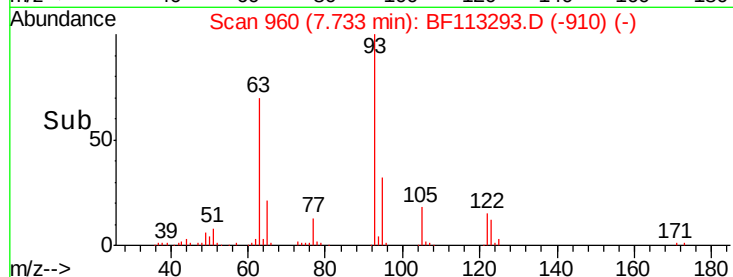
123 11.9 9.1 13.7



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): BF1



#29

2,4-Dichlorophenol

Concen: 8.645 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

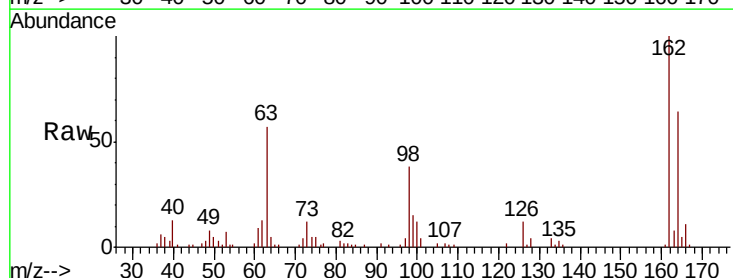
Tgt Ion: 162 Resp: 73412

Ion Ratio Lower Upper

162 100

164 64.4 44.6 84.6

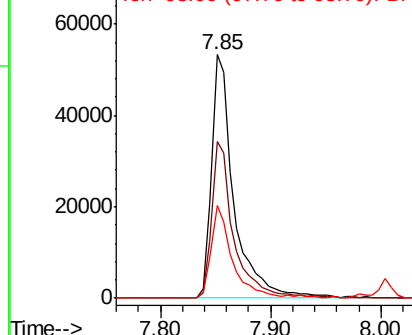
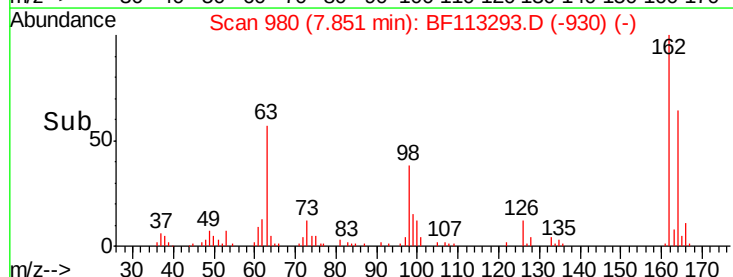
98 38.0 15.6 55.6

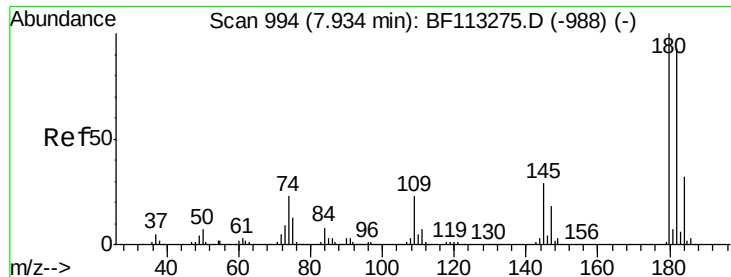


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1

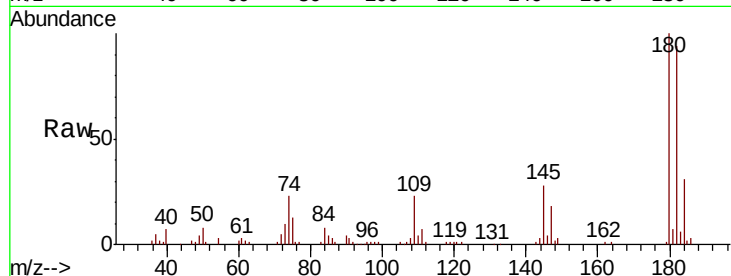




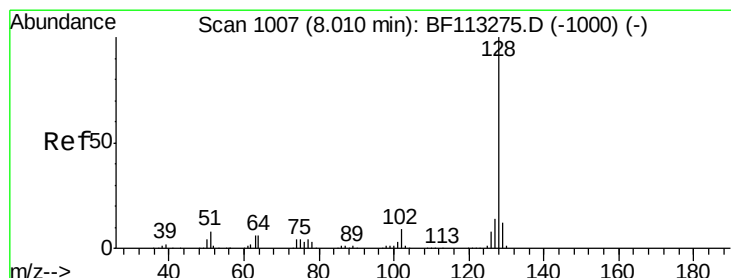
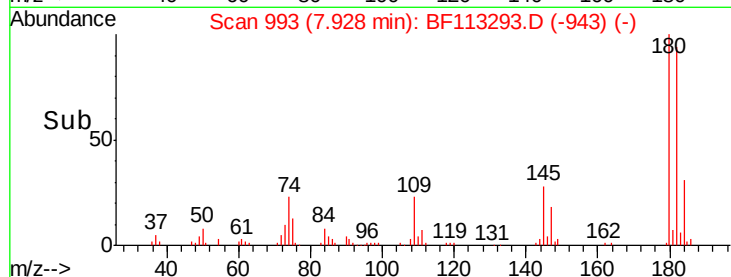
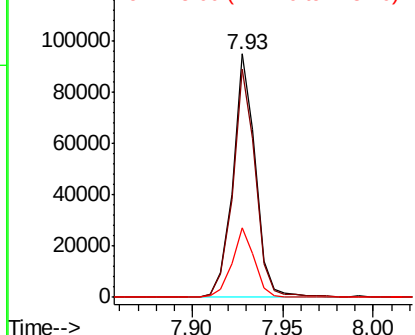
#30
 1,2,4-Trichlorobenzene
 Concen: 9.019 ng
 RT: 7.93 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:180 Resp: 82630
 Ion Ratio Lower Upper
 180 100
 182 93.8 74.6 111.8
 145 28.3 23.4 35.0

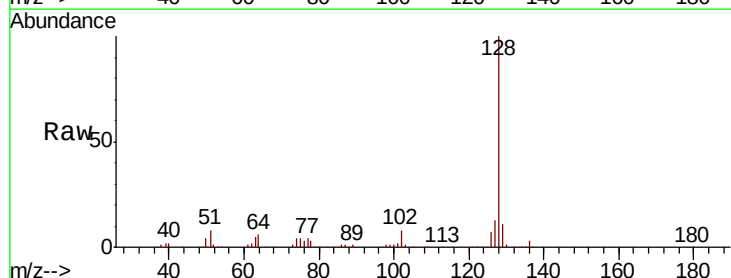


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

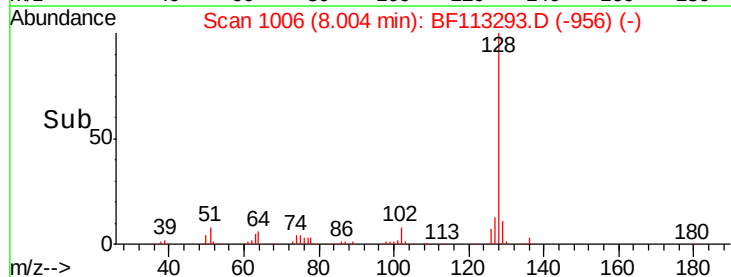
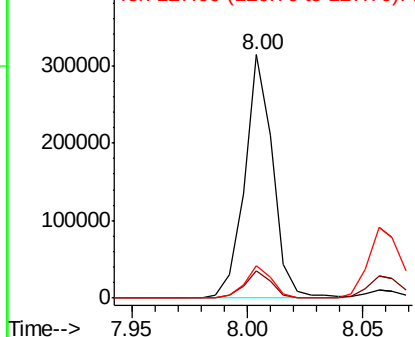


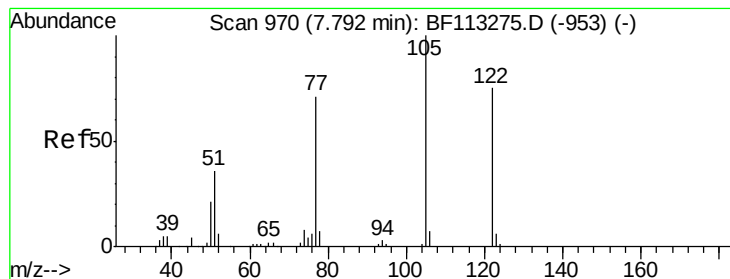
#31
 Naphthalene
 Concen: 9.327 ng
 RT: 8.00 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:128 Resp: 267184
 Ion Ratio Lower Upper
 128 100
 129 11.4 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: 6.260 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.05 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

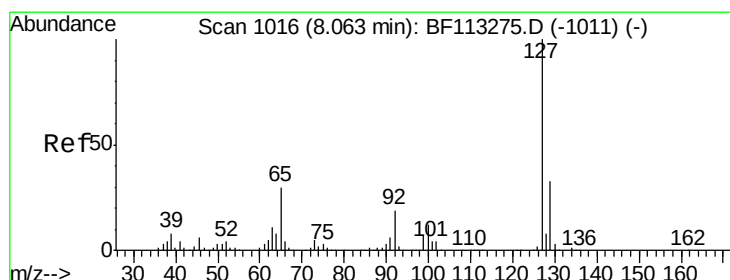
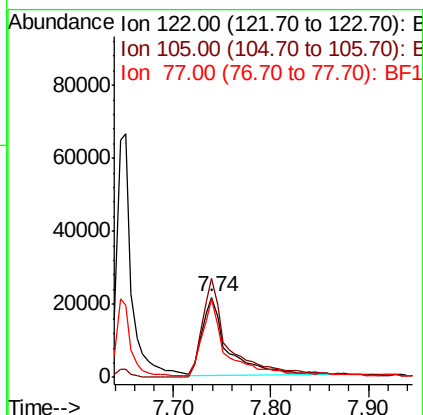
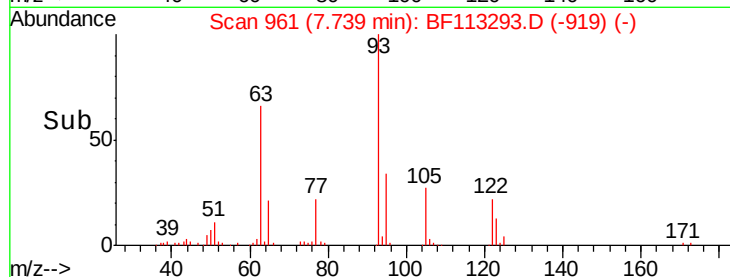
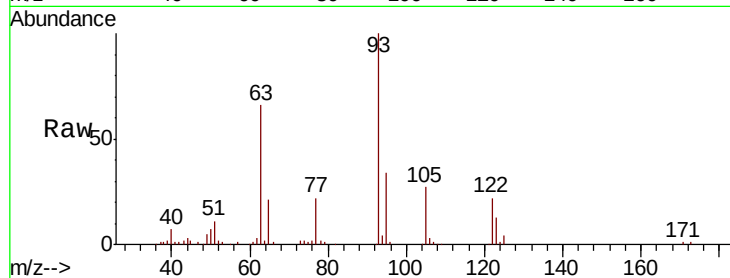
Tgt Ion:122 Resp: 39490

Ion Ratio Lower Upper

122 100

105 123.3 100.4 140.4

77 98.7 69.0 109.0



#33

4-Chloroaniline

Concen: 9.267 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Tgt Ion:127 Resp: 103522

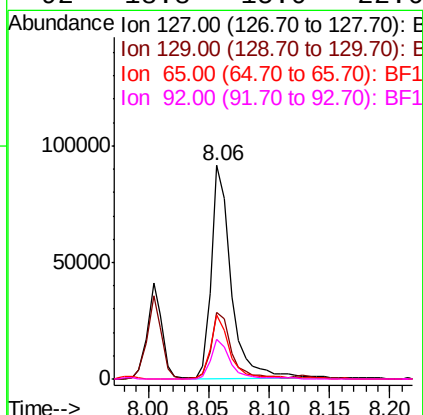
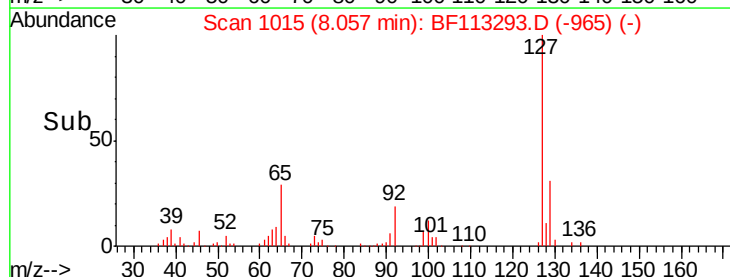
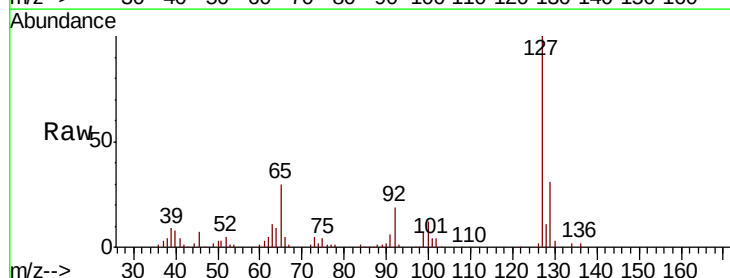
Ion Ratio Lower Upper

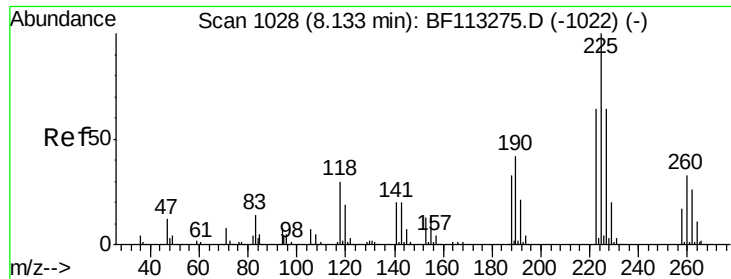
127 100

129 31.4 26.3 39.5

65 29.9 24.2 36.4

92 18.8 15.0 22.6





#34

Hexachlorobutadiene

Concen: 9.120 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

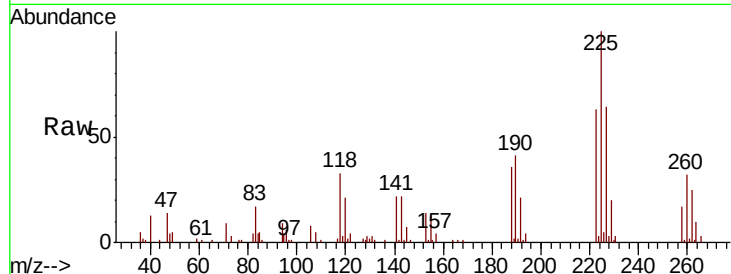
Tgt Ion: 225 Resp: 49664

Ion Ratio Lower Upper

225 100

223 63.1 51.4 77.2

227 64.5 51.1 76.7

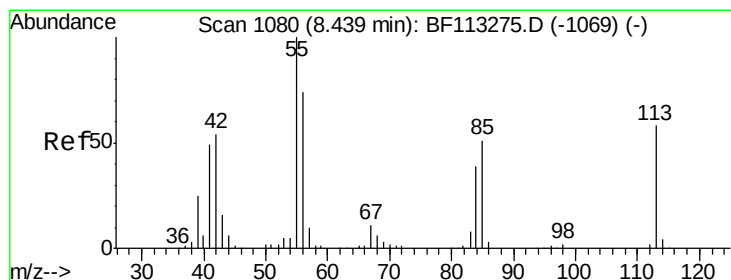
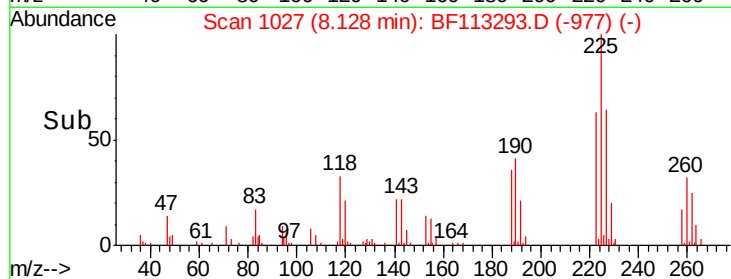
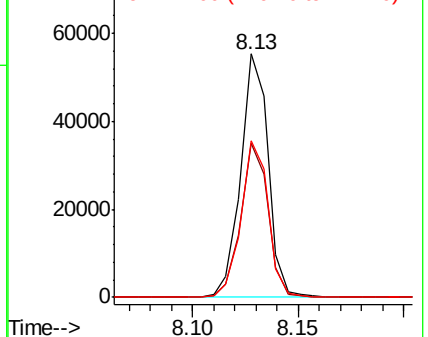


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 8.666 ng

RT: 8.40 min Scan# 1073

Delta R.T. -0.04 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

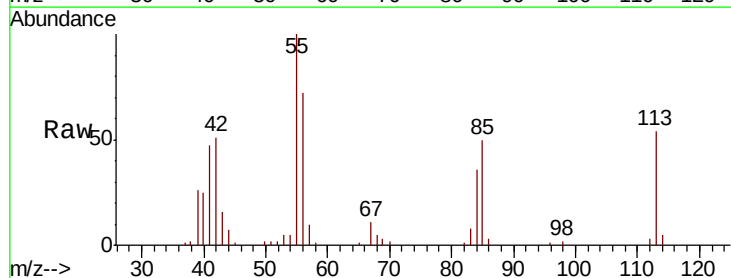
Tgt Ion: 113 Resp: 23619

Ion Ratio Lower Upper

113 100

55 184.9 152.7 192.7

56 134.0 108.3 148.3

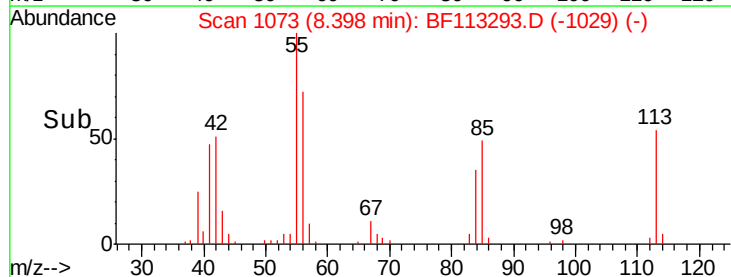
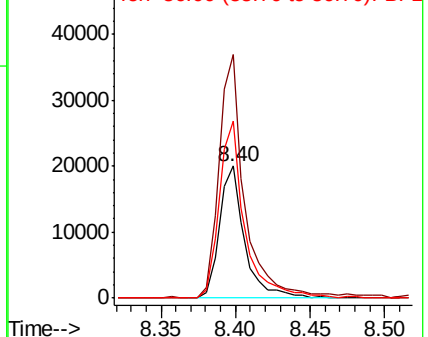


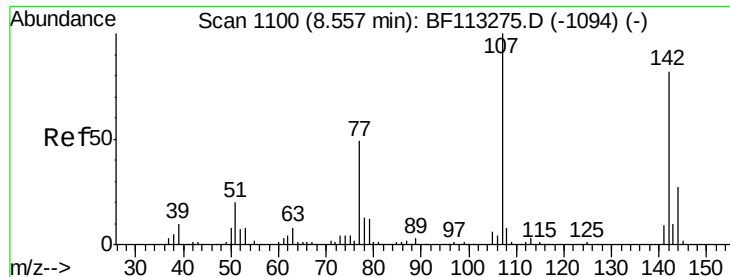
Abundance

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

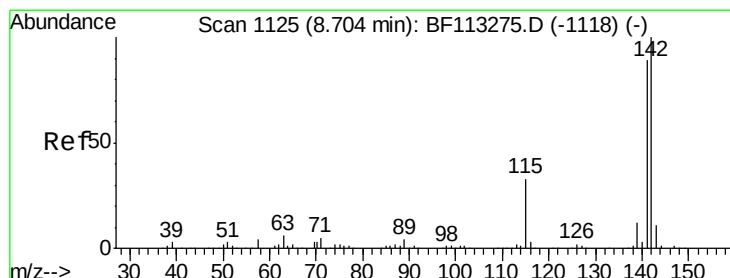
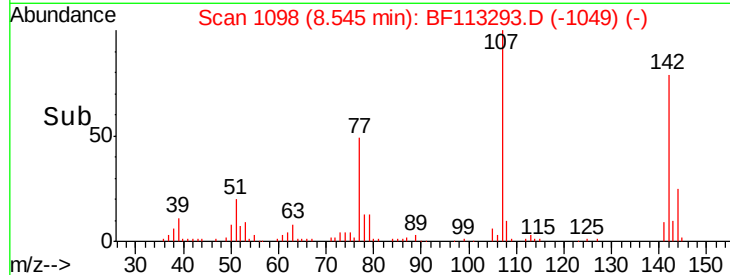
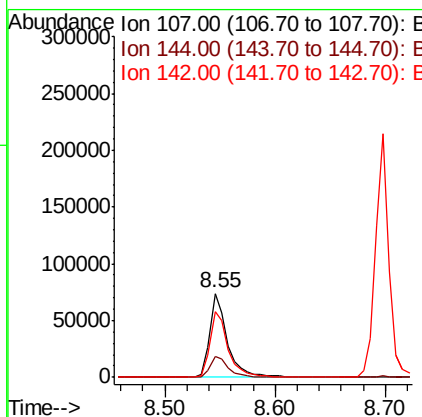
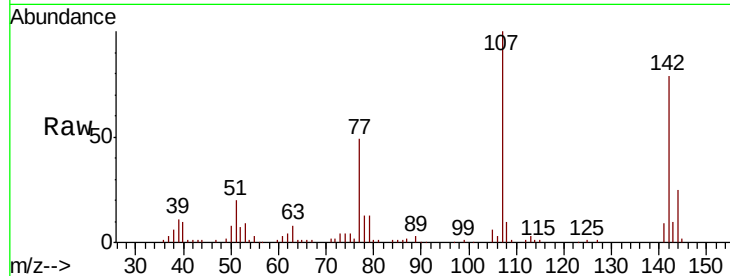




#36
 4-Chloro-3-methylphenol
 Concen: 9.358 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

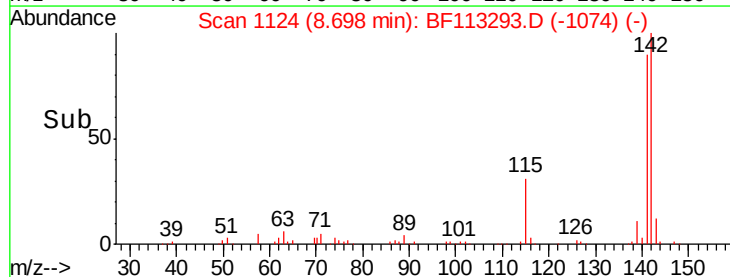
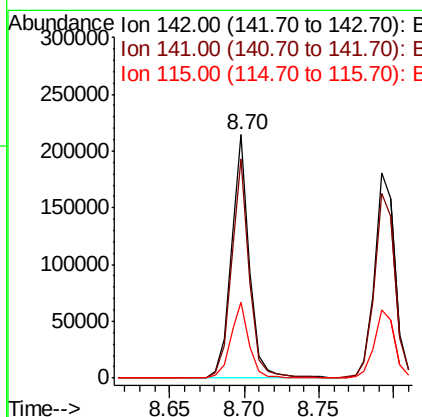
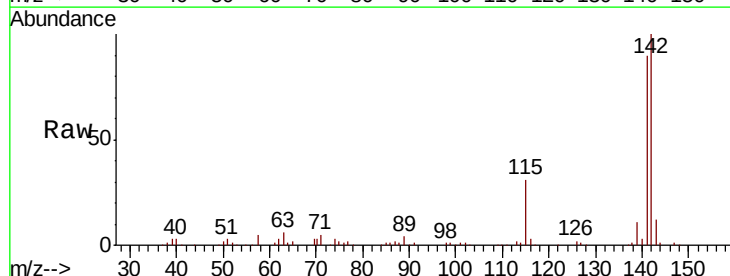
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

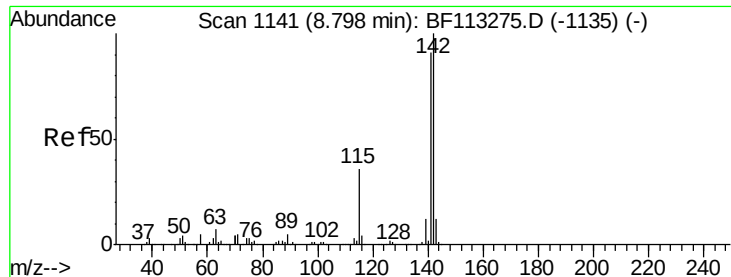
Tgt Ion:107 Resp: 79928
 Ion Ratio Lower Upper
 107 100
 144 25.1 21.4 32.0
 142 79.1 65.6 98.4



#37
 2-Methylnaphthalene
 Concen: 10.301 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:142 Resp: 184120
 Ion Ratio Lower Upper
 142 100
 141 90.1 71.0 106.6
 115 31.1 26.6 39.8

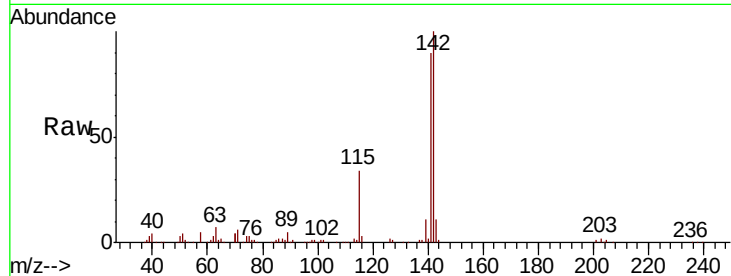




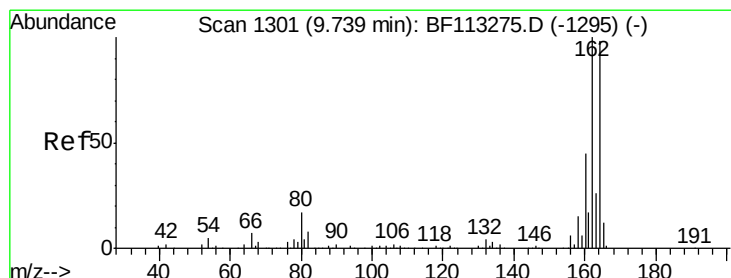
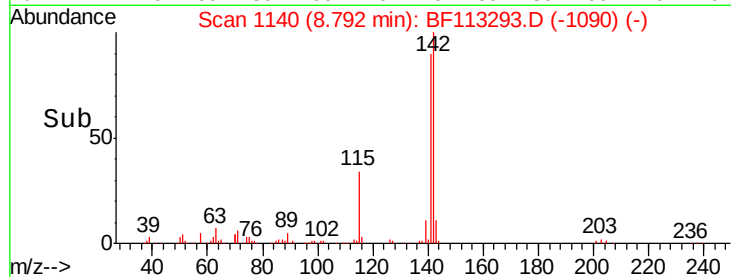
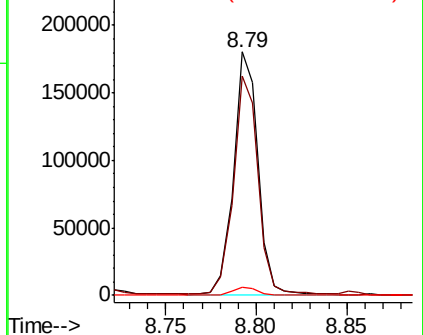
#38
 1-Methylnaphthalene
 Concen: 9.766 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:142 Resp: 167904
 Ion Ratio Lower Upper
 142 100
 141 90.2 73.2 109.8
 116 3.4 3.0 4.4

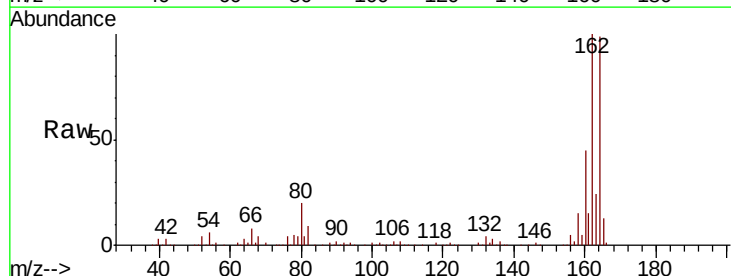


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

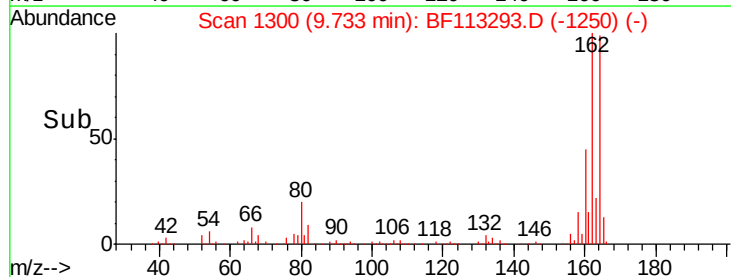
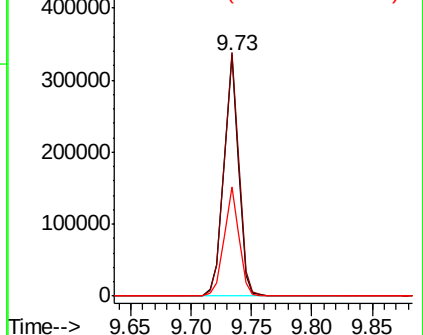


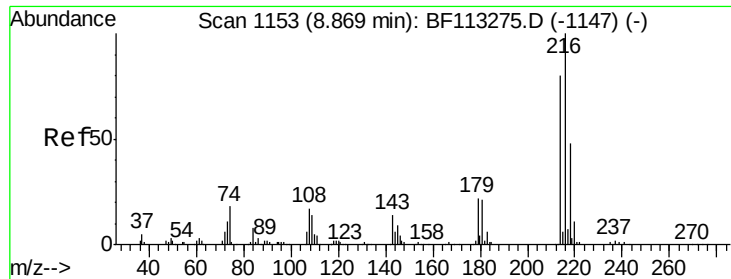
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:164 Resp: 281604
 Ion Ratio Lower Upper
 164 100
 162 101.1 81.8 122.6
 160 45.1 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

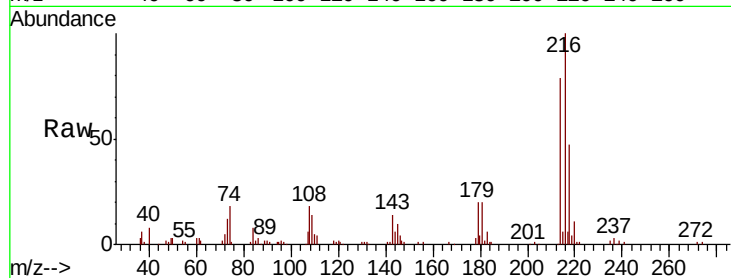




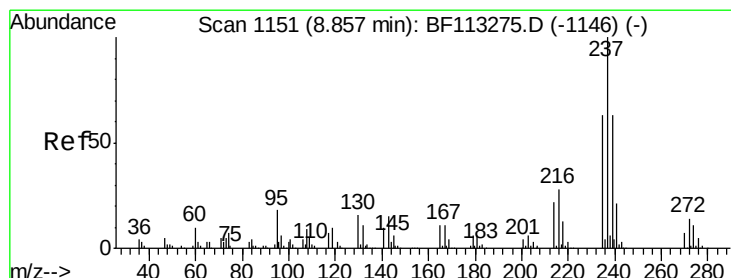
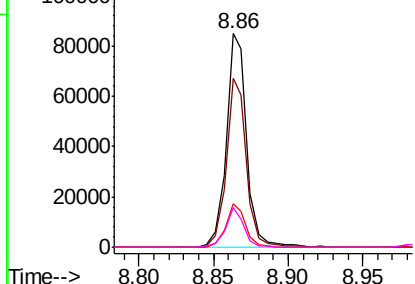
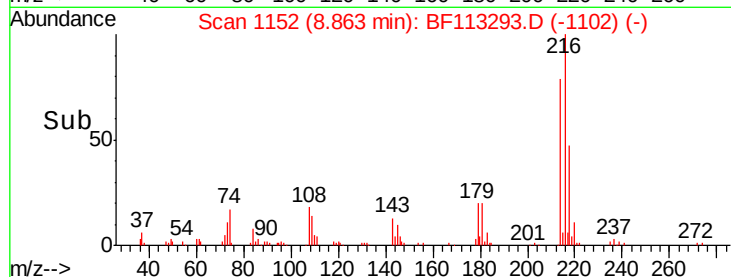
#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 9.042 ng
 RT: 8.86 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	216	Resp:	81732
Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.0	94.6
179	19.5	16.8	25.2
108	16.8	13.8	20.6

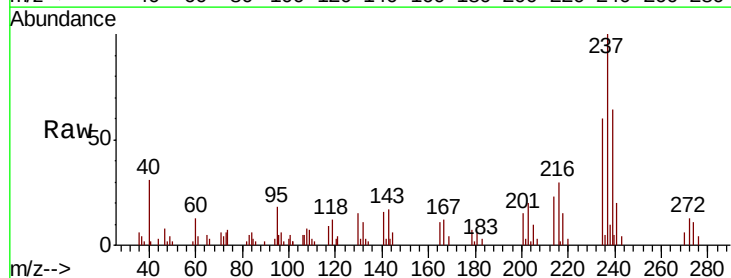


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

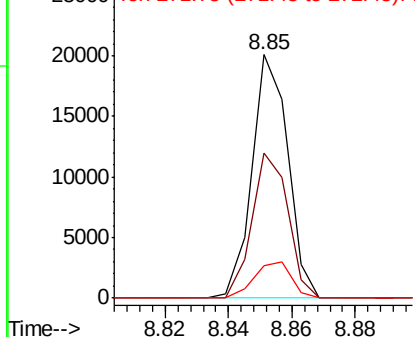
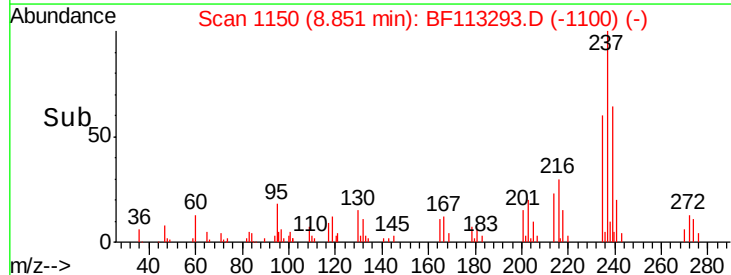


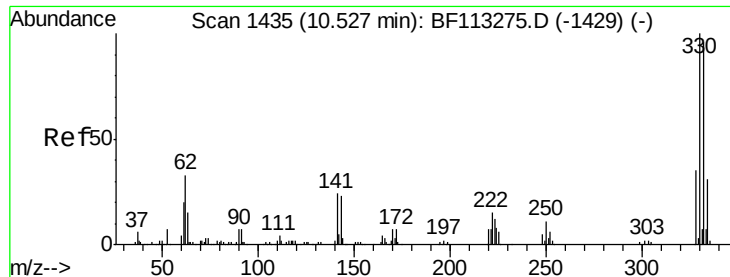
#41
 Hexachlorocyclopentadiene
 Concen: 4.121 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:	237	Resp:	15768
Ion	Ratio	Lower	Upper
237	100		
235	59.5	43.4	83.4
272	13.2	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

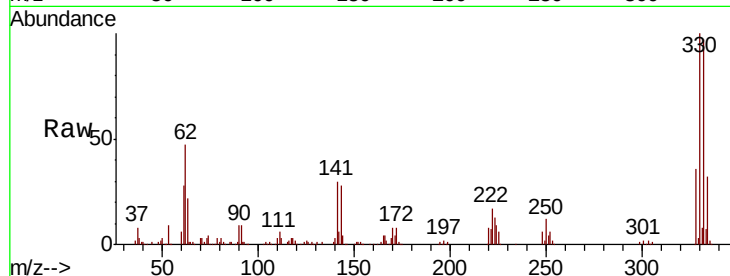




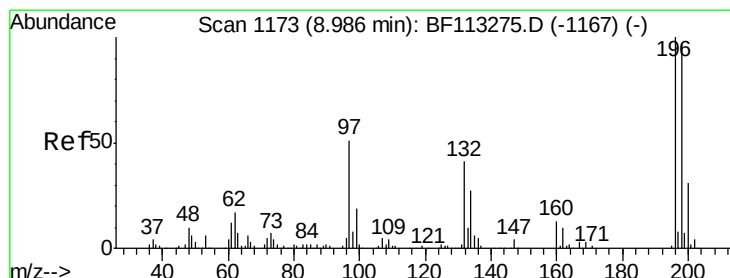
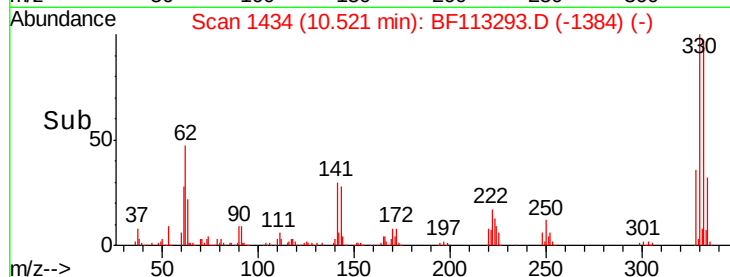
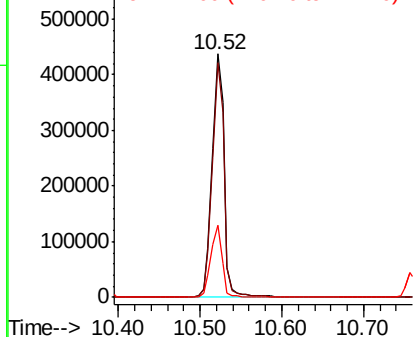
#42
 2,4,6-Tribromophenol
 Concen: 129.599 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:330 Resp: 450804
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.8 116.6
 141 27.5 22.7 34.1

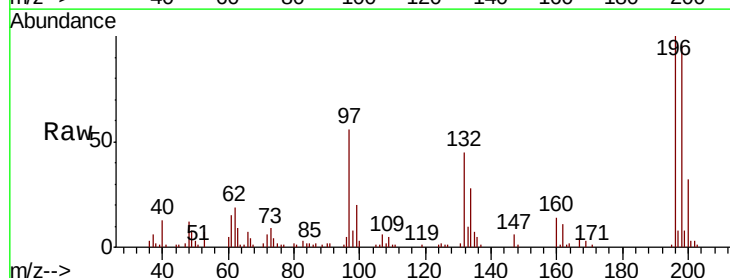


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

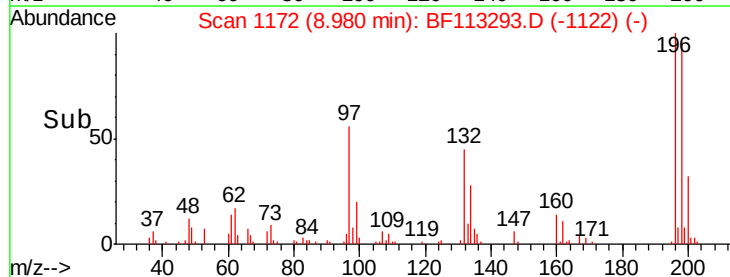
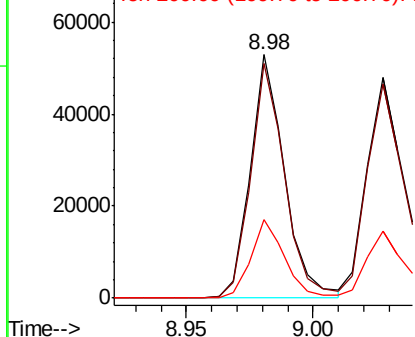


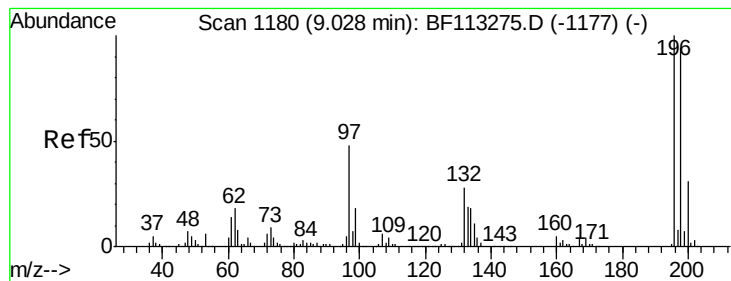
#43
 2,4,6-Trichlorophenol
 Concen: 8.498 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:196 Resp: 50024
 Ion Ratio Lower Upper
 196 100
 198 96.3 77.7 116.5
 200 32.3 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

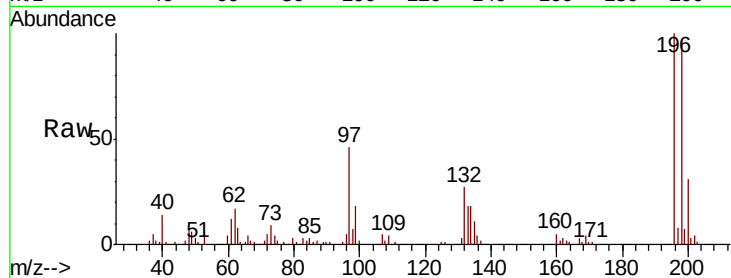




#44
 2,4,5-Trichlorophenol
 Concen: 8.628 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Resp	Lower	Upper
196	56209		
198	96.8	75.4	113.2
97	45.6	38.6	58.0
132	27.4	22.9	34.3



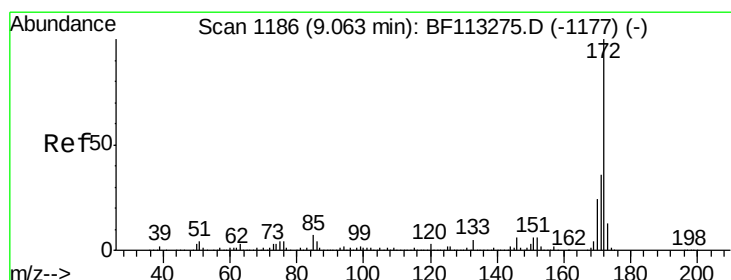
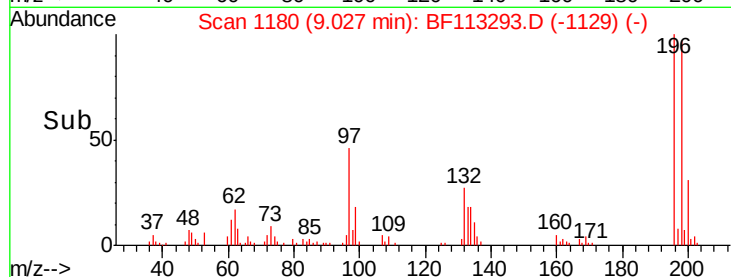
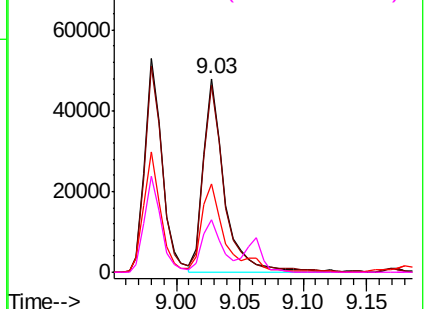
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

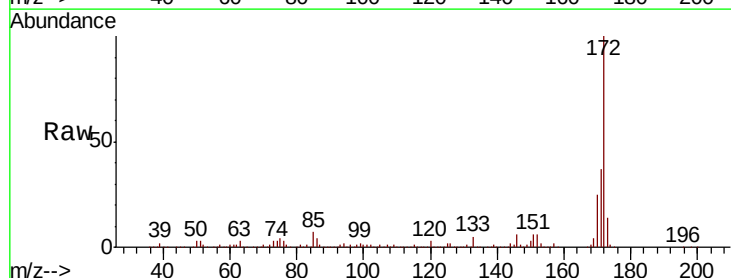
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#45
 2-Fluorobiphenyl
 Concen: 93.305 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion	Resp	Lower	Upper
172	1645425		
171	36.6	29.0	43.6
170	24.6	19.5	29.3

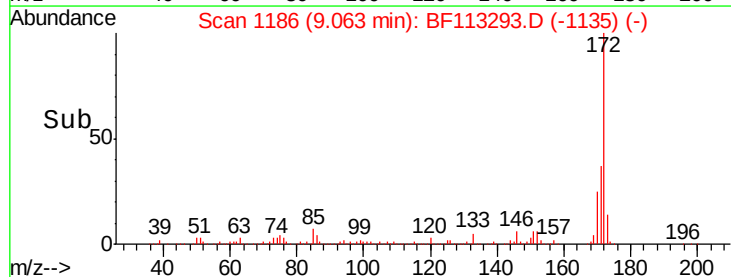
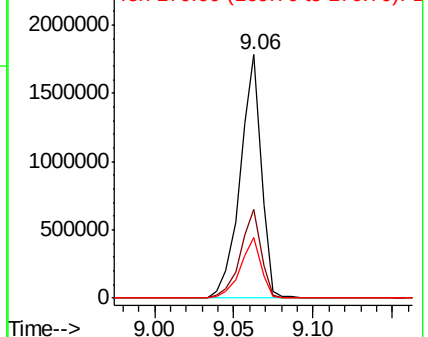


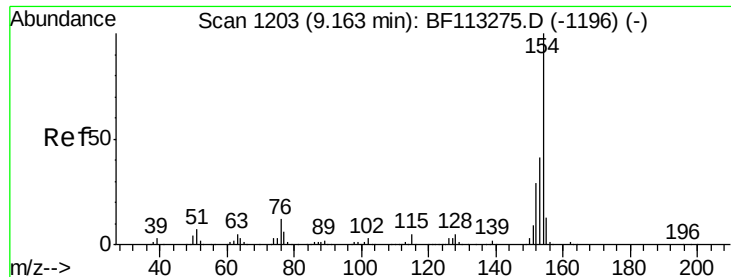
Abundance

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

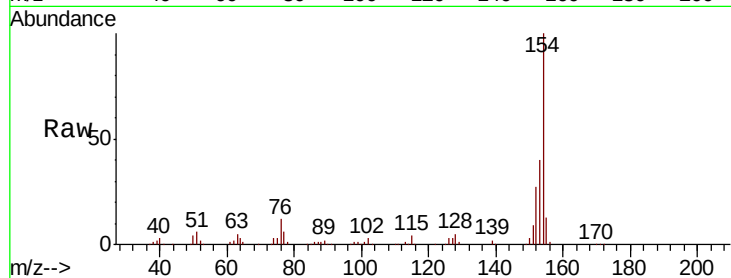




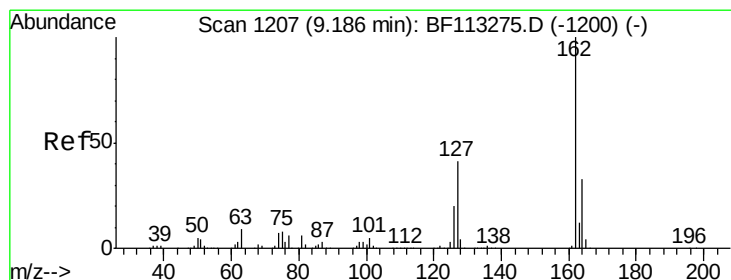
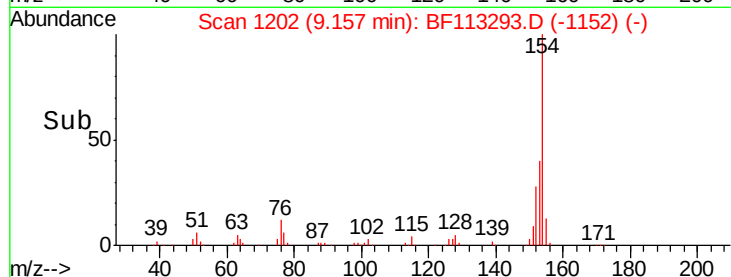
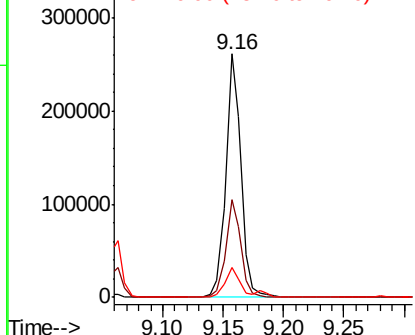
#46
 1,1'-Biphenyl
 Concen: 9.653 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:154 Resp: 227023
 Ion Ratio Lower Upper
 154 100
 153 40.2 20.8 60.8
 76 12.0 0.0 31.9

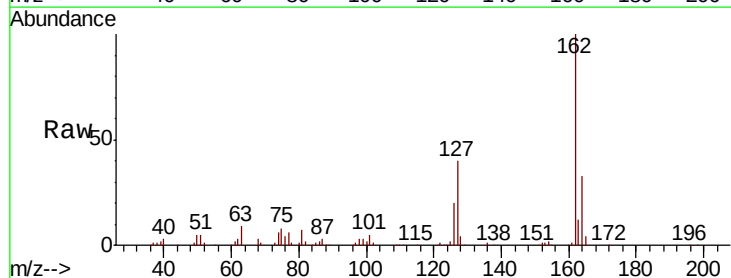


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

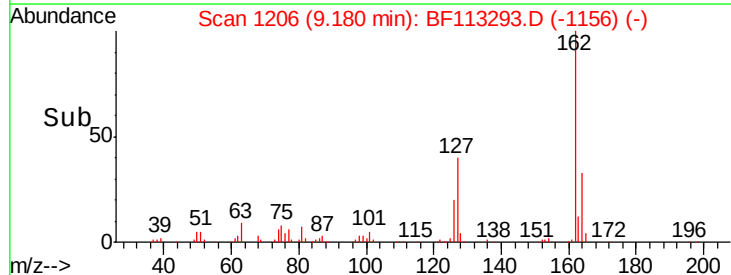
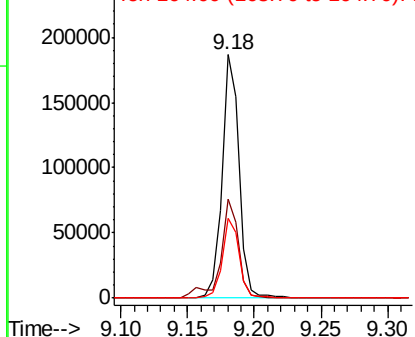


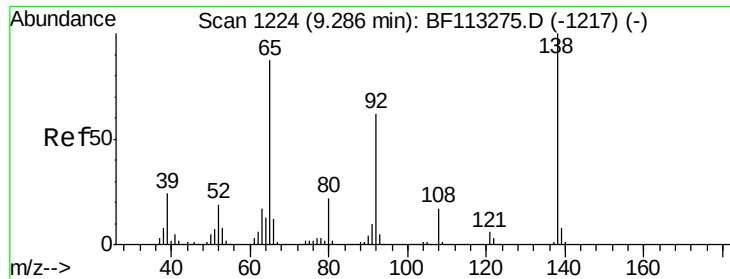
#47
 2-Chloronaphthalene
 Concen: 9.295 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:162 Resp: 168320
 Ion Ratio Lower Upper
 162 100
 127 40.5 32.6 49.0
 164 32.9 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

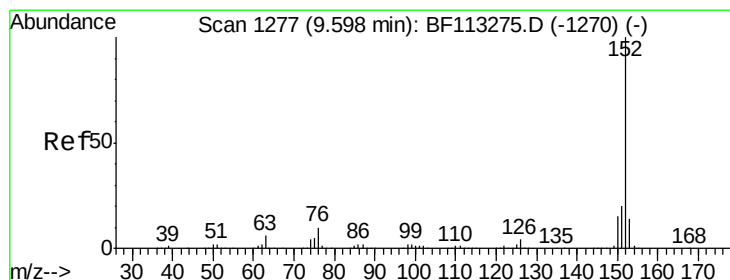
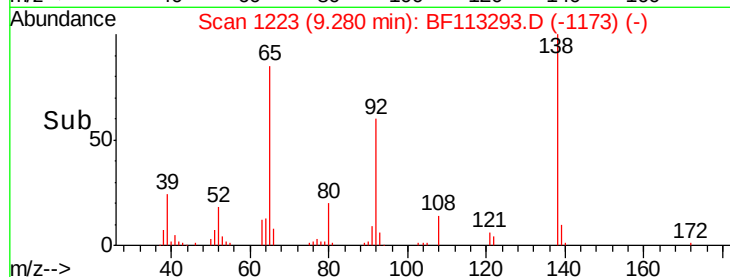
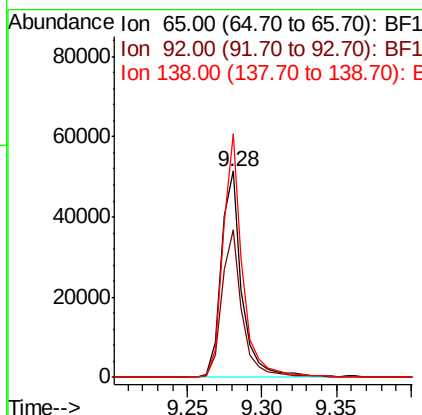
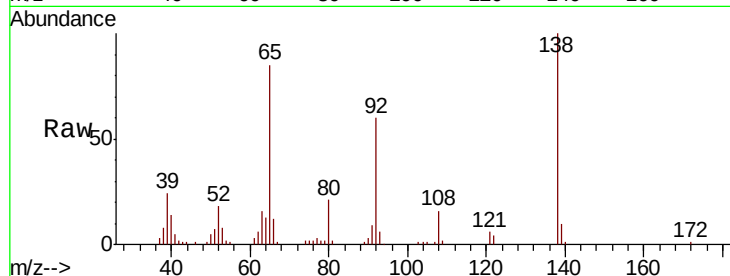




#48
 2-Nitroaniline
 Concen: 8.846 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

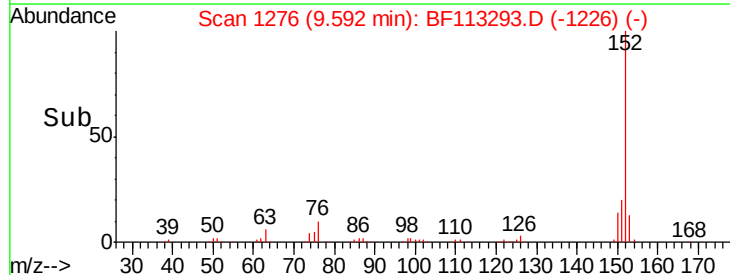
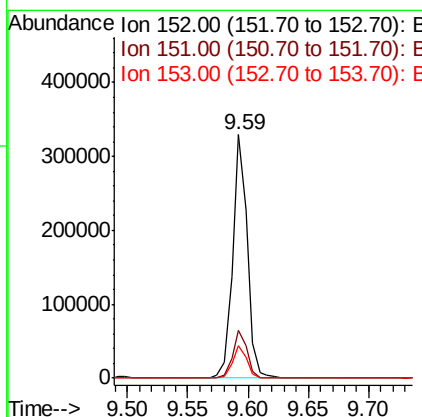
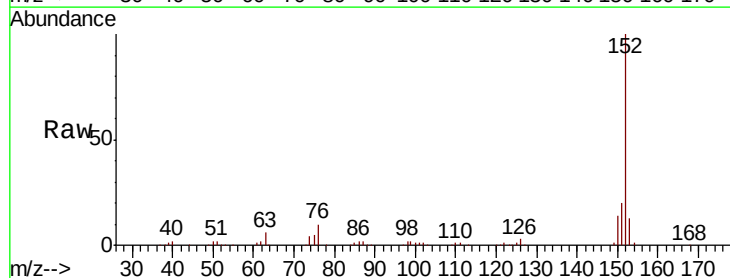
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

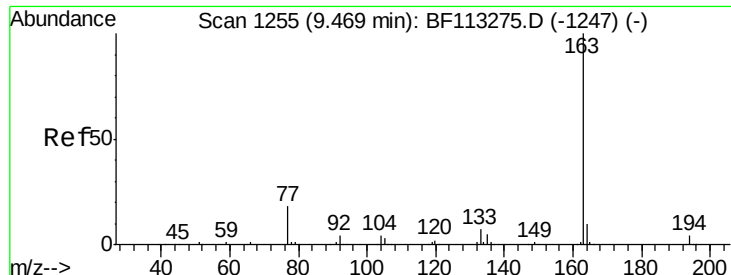
Tgt Ion: 65 Resp: 50273
 Ion Ratio Lower Upper
 65 100
 92 71.3 56.8 85.2
 138 118.0 92.3 138.5



#49
 Acenaphthylene
 Concen: 9.482 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion: 152 Resp: 277621
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.2 24.4
 153 13.3 11.0 16.6

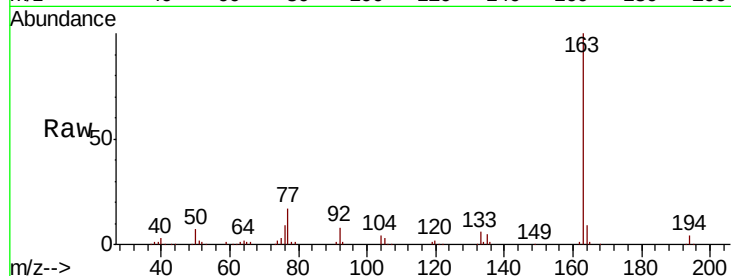




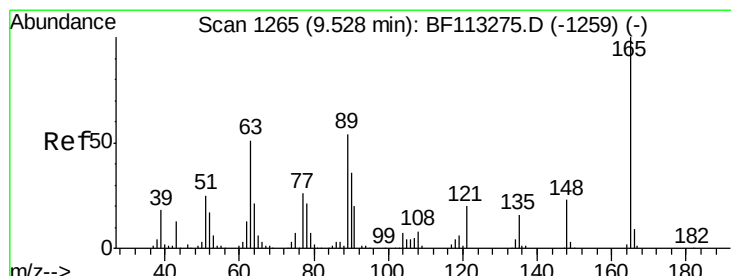
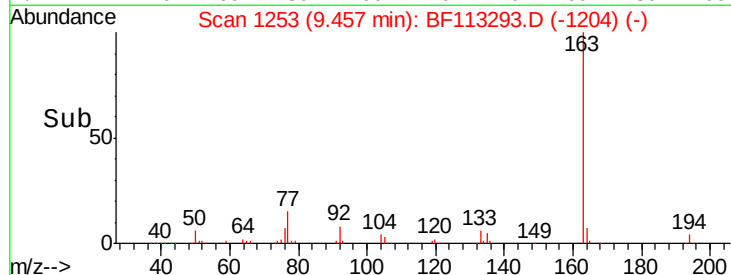
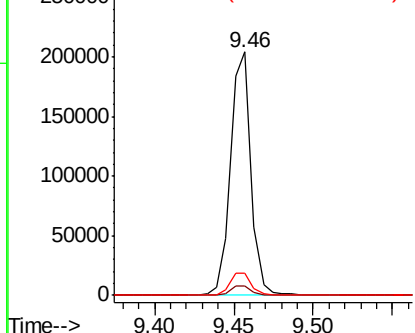
#50
Dimethylphthalate
Concen: 8.745 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:163 Resp: 182500
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 9.3 8.1 12.1

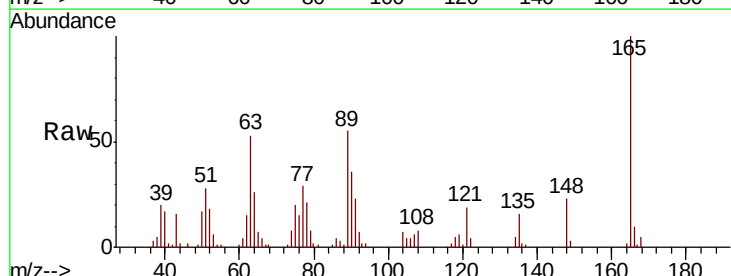


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

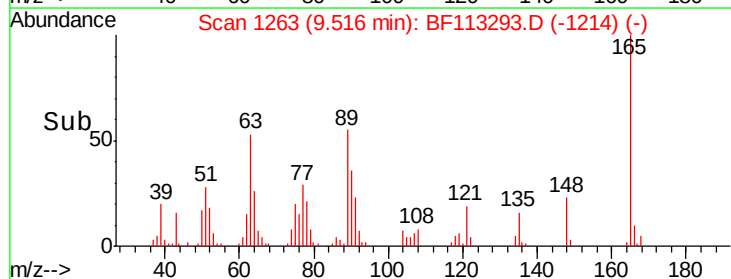
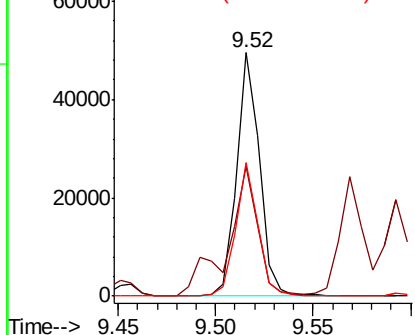


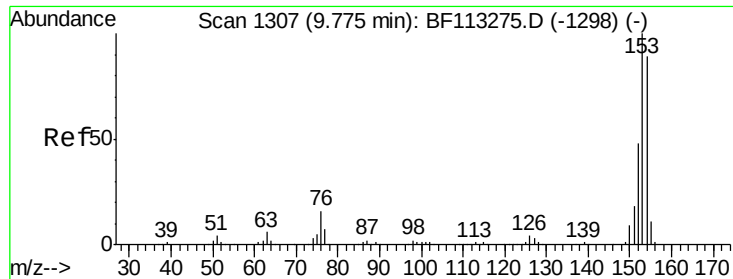
#51
2,6-Dinitrotoluene
Concen: 8.547 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:165 Resp: 40240
Ion Ratio Lower Upper
165 100
63 53.1 43.4 65.0
89 55.0 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: 9.385 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

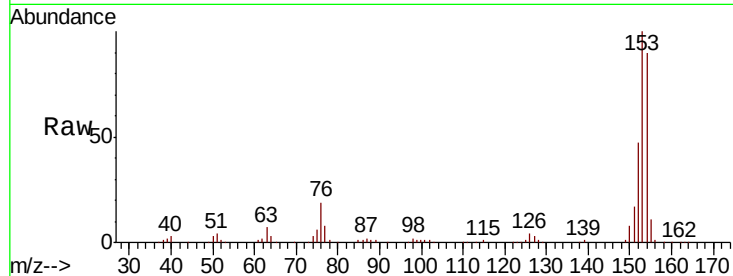
Tgt Ion:154 Resp: 154745

Ion Ratio Lower Upper

154 100

153 111.5 89.5 134.3

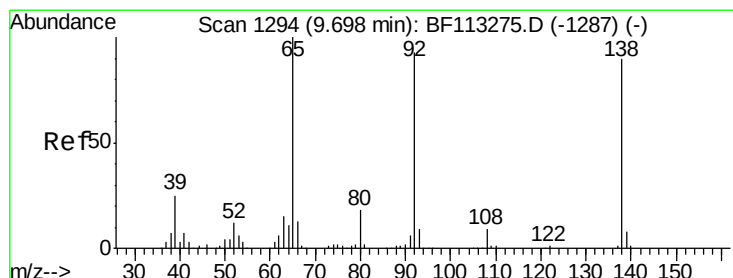
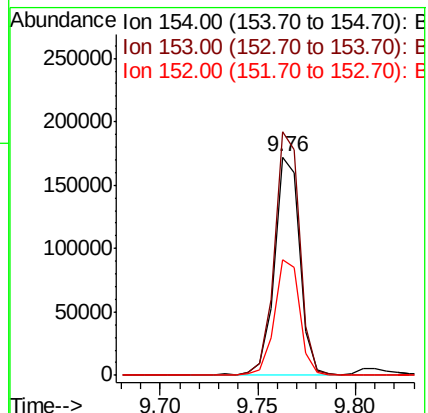
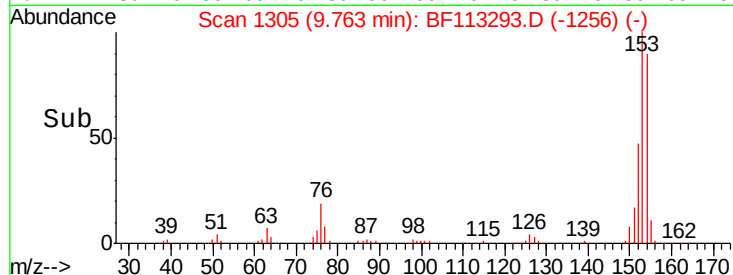
152 52.7 43.3 64.9



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: 8.392 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

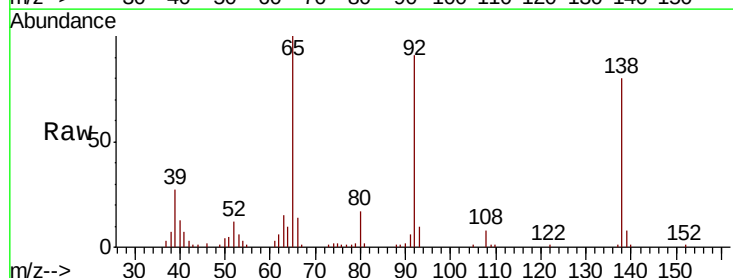
Tgt Ion:138 Resp: 44555

Ion Ratio Lower Upper

138 100

108 10.2 7.8 11.6

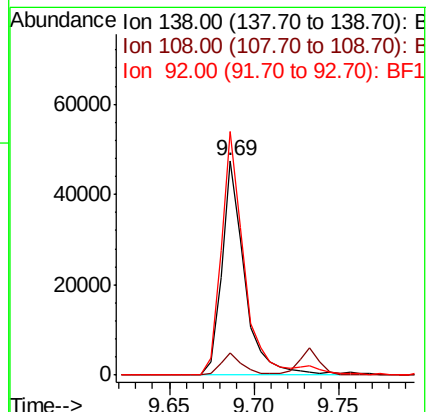
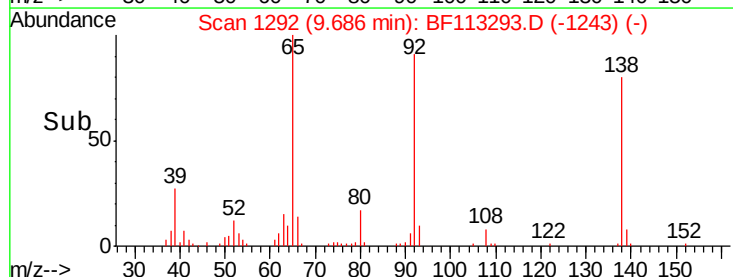
92 113.7 82.6 124.0

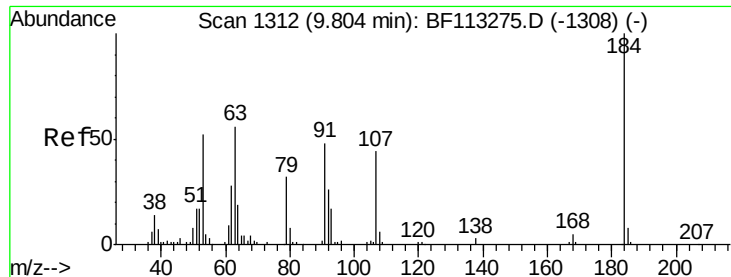


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 5.813 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

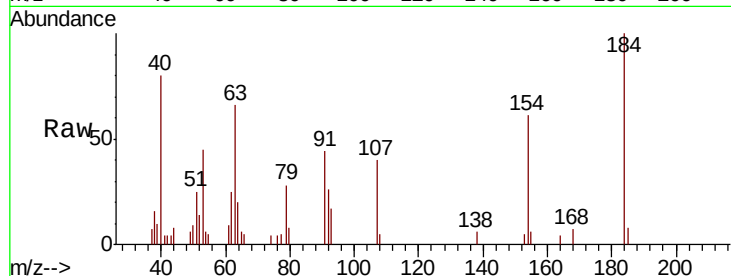
Tgt Ion:184 Resp: 13611

Ion Ratio Lower Upper

184 100

63 66.1 54.3 81.5

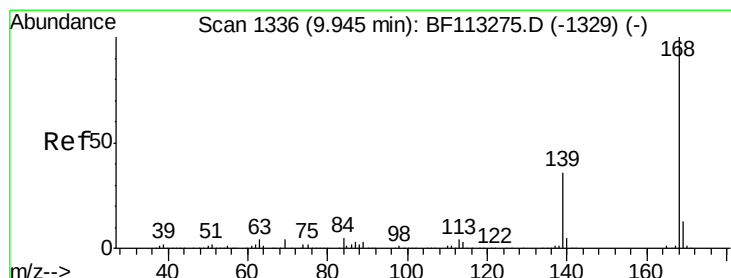
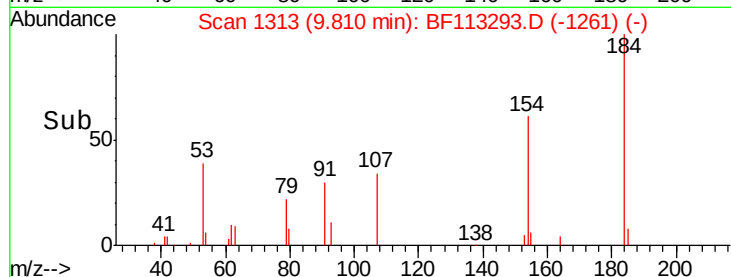
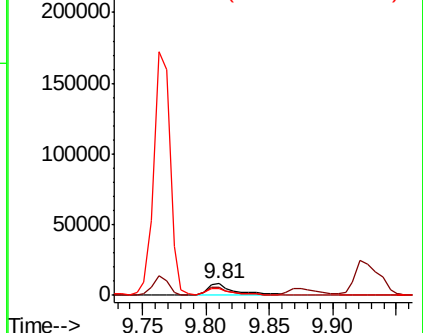
154 60.9 48.4 72.6



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

Dibenzofuran

Concen: 9.702 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

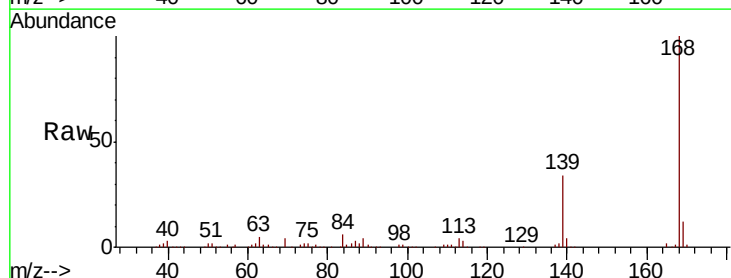
Tgt Ion:168 Resp: 240494

Ion Ratio Lower Upper

168 100

139 34.5 29.7 44.5

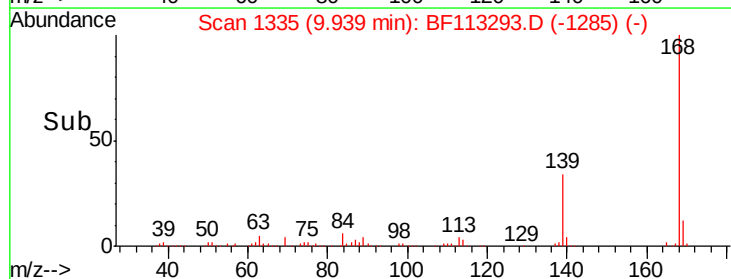
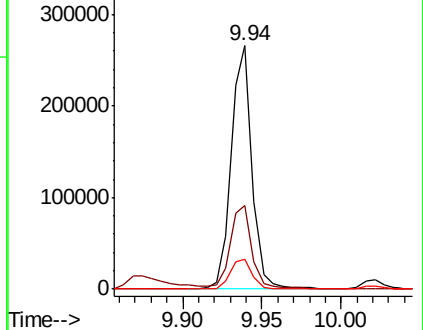
169 12.5 10.7 16.1

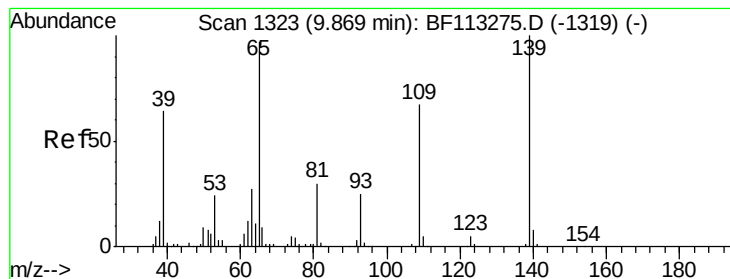


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 6.767 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

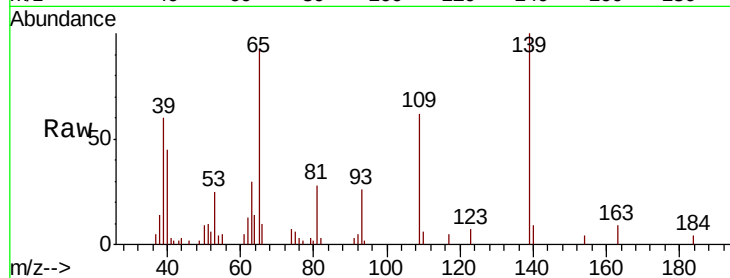
Tgt Ion:139 Resp: 25613

Ion Ratio Lower Upper

139 100

109 62.0 46.9 86.9

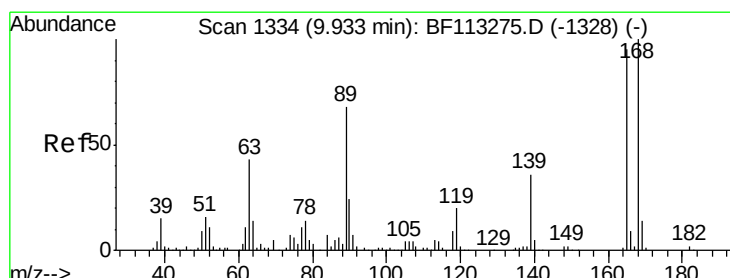
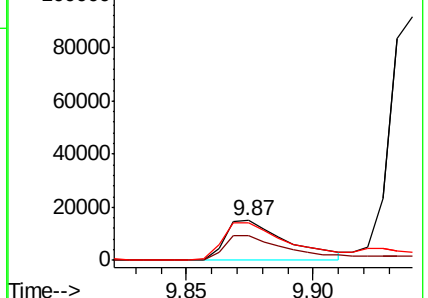
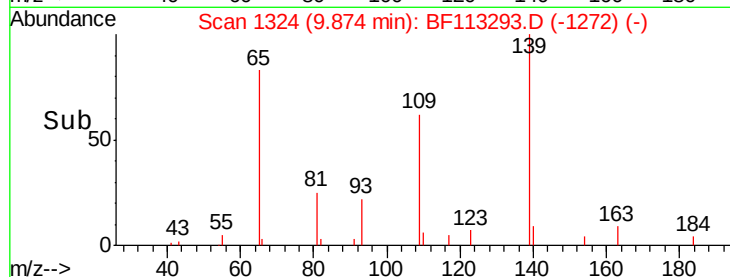
65 93.1 77.2 117.2



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: 8.932 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Tgt Ion:165 Resp: 53480

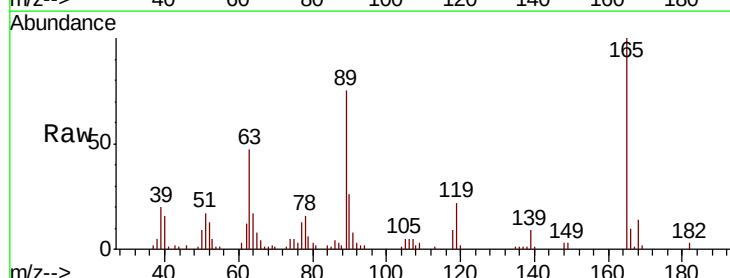
Ion Ratio Lower Upper

165 100

63 47.1 37.5 56.3

89 74.6 57.4 86.2

182 2.8 2.0 3.0

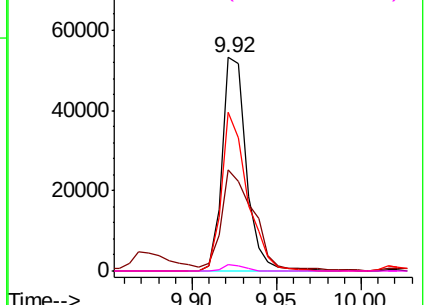
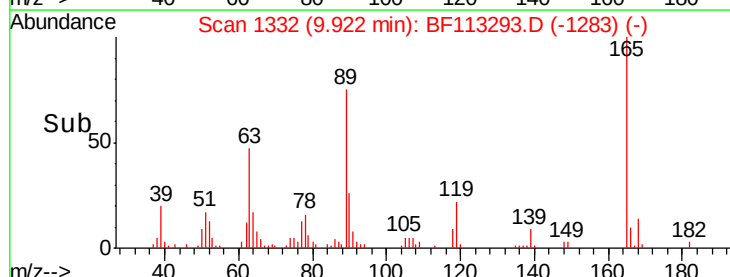


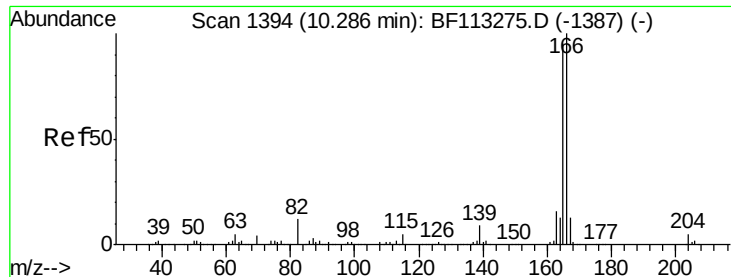
Abundance Ion 165.00 (164.70 to 165.70): E

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

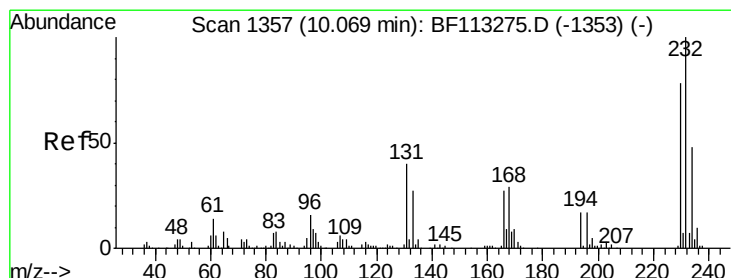
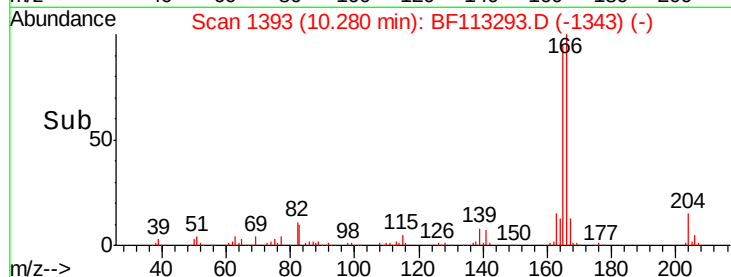
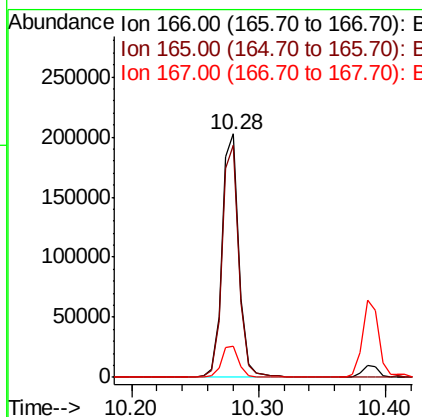
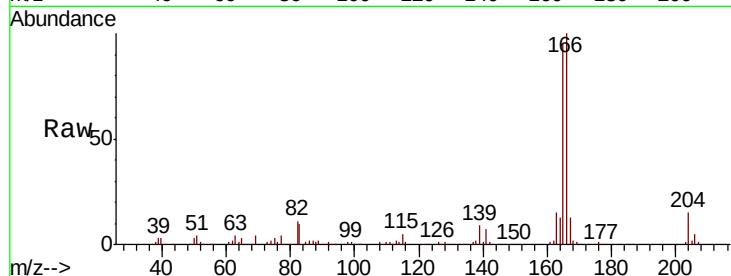




#58
 Fluorene
 Concen: 9.736 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

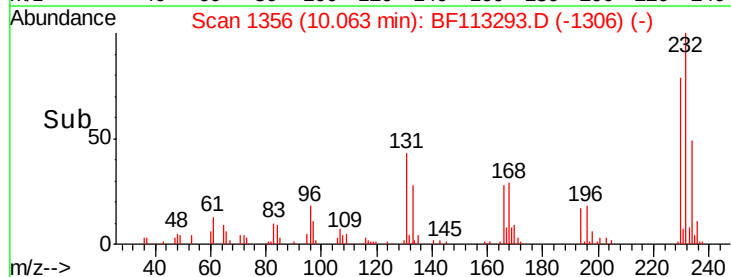
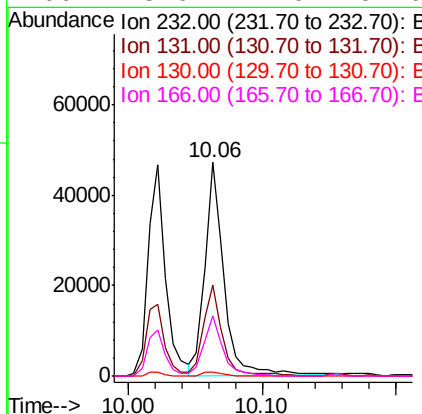
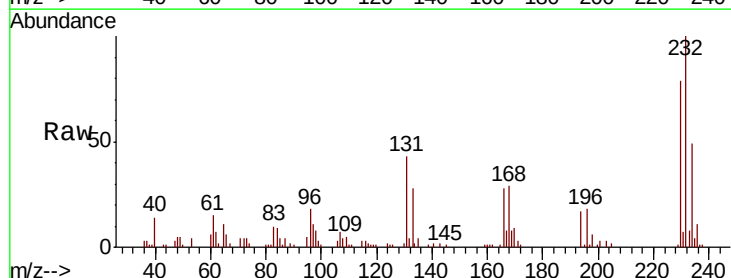
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

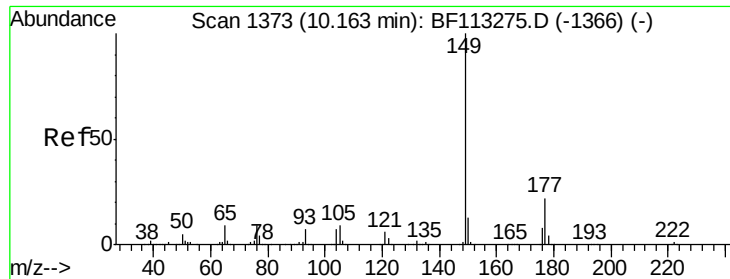
Tgt Ion:166 Resp: 187488
 Ion Ratio Lower Upper
 166 100
 165 95.5 76.2 114.2
 167 12.9 10.7 16.1



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.457 ng
 RT: 10.06 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:232 Resp: 46589
 Ion Ratio Lower Upper
 232 100
 131 43.1 33.2 49.8
 130 2.0 1.6 2.4
 166 28.6 21.0 31.6

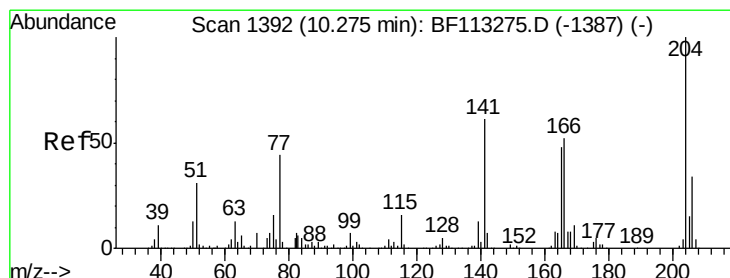
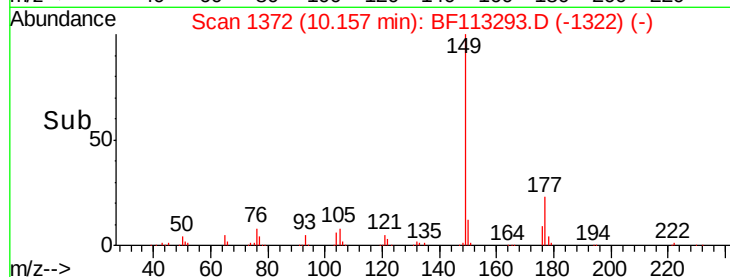
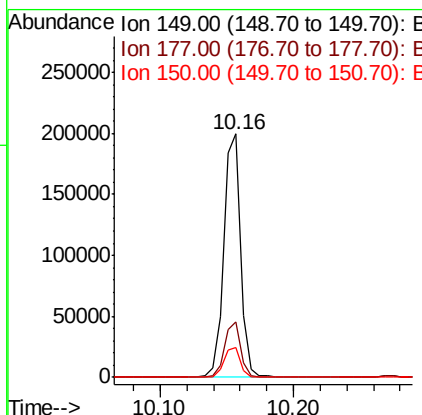
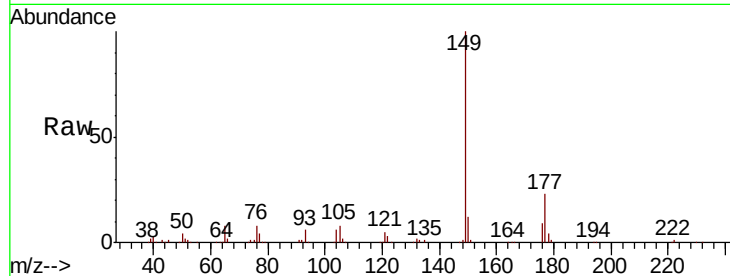




#60
Diethylphthalate
Concen: 8.715 ng
RT: 10.16 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

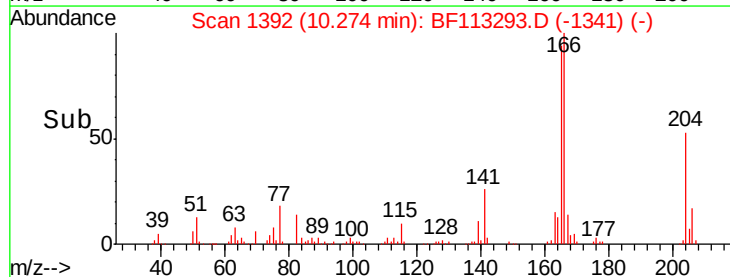
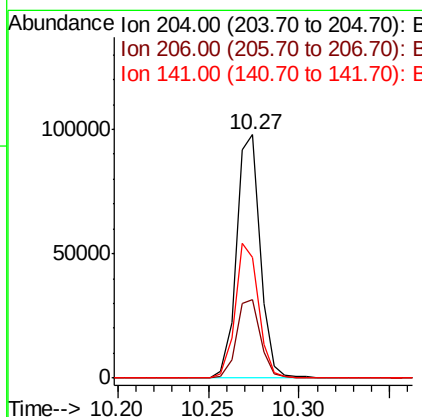
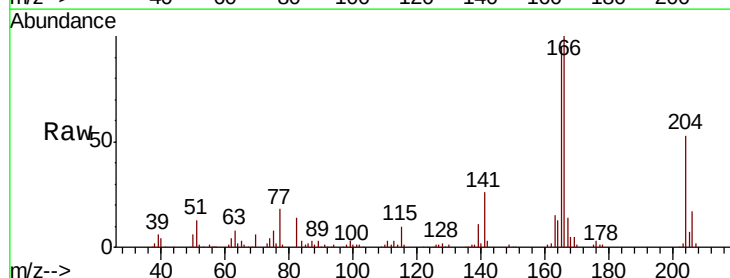
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

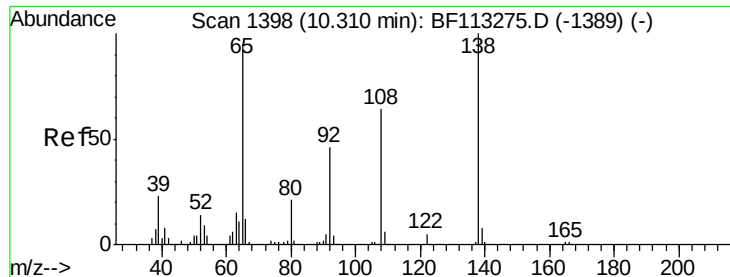
Tgt Ion:149 Resp: 178423
Ion Ratio Lower Upper
149 100
177 22.9 17.4 26.0
150 12.1 10.0 15.0



#61
4-Chlorophenyl-phenylether
Concen: 9.512 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion:204 Resp: 89275
Ion Ratio Lower Upper
204 100
206 32.4 26.9 40.3
141 49.3 48.8 73.2

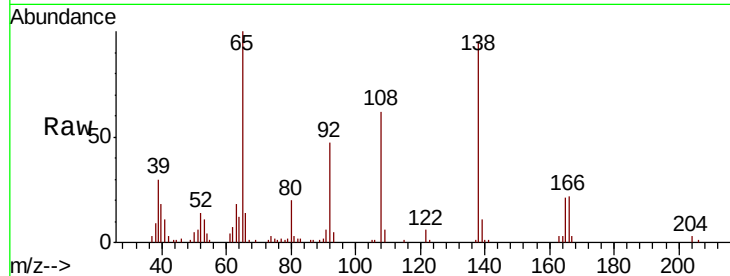




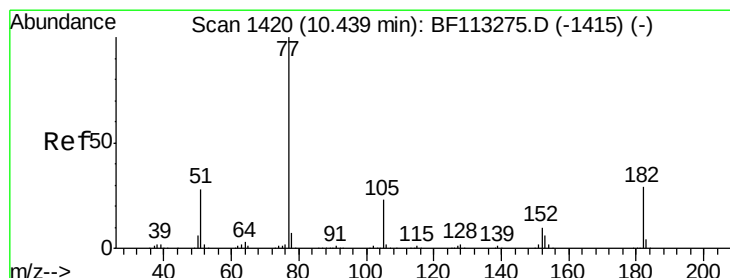
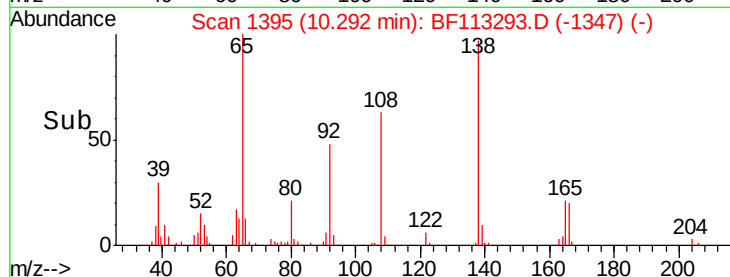
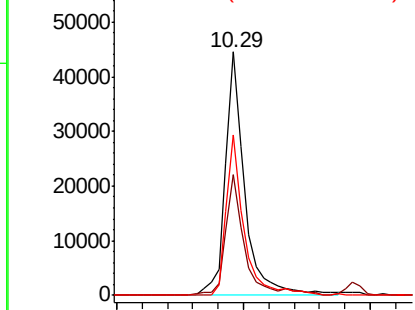
#62
4-Nitroaniline
Concen: 8.684 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 138 Resp: 47469
Ion Ratio Lower Upper
138 100
92 49.5 25.8 65.8
108 65.6 44.0 84.0

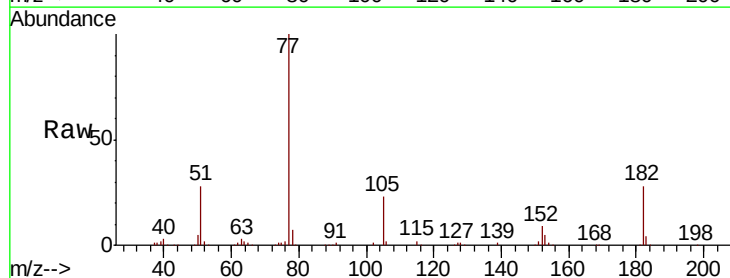


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

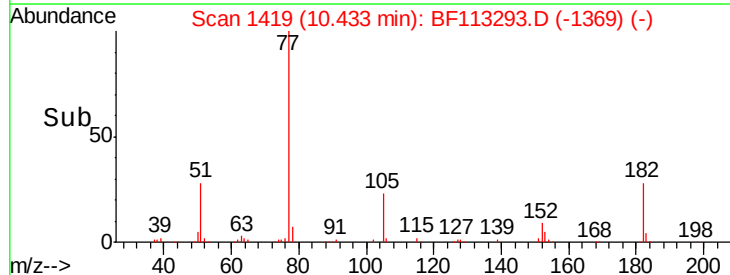
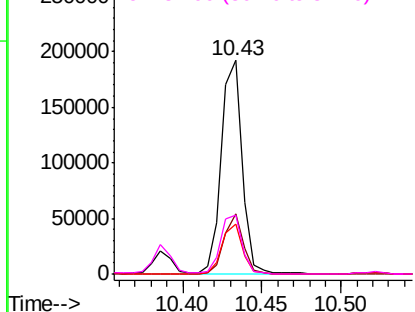


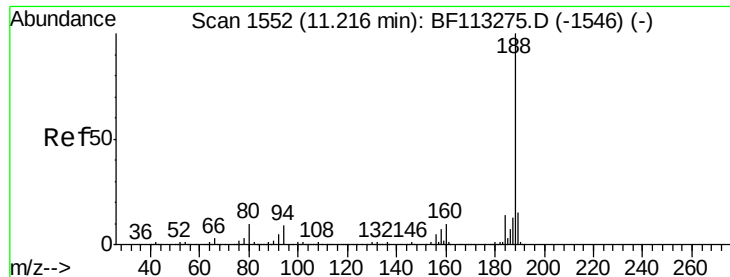
#63
Azobenzene
Concen: 9.013 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion: 77 Resp: 173699
Ion Ratio Lower Upper
77 100
182 28.2 8.7 48.7
105 23.2 2.9 42.9
51 27.9 8.8 48.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
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: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

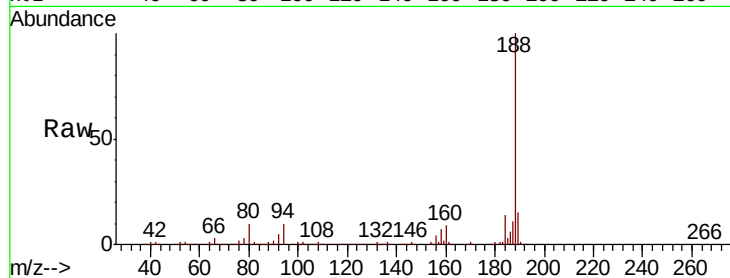
Tgt Ion:188 Resp: 593684

Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.6

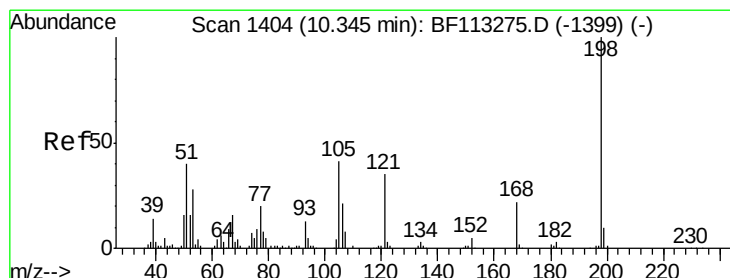
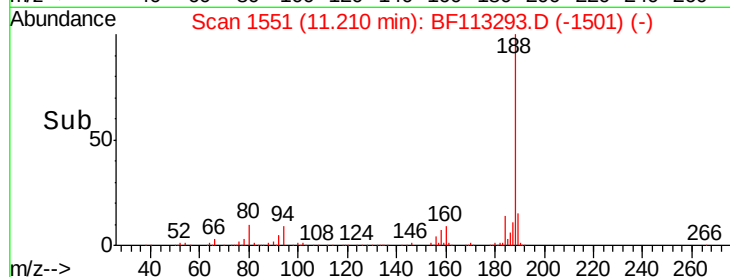
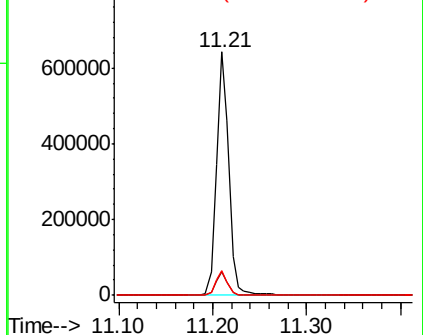
80 10.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.546 ng

RT: 10.34 min Scan# 1403

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

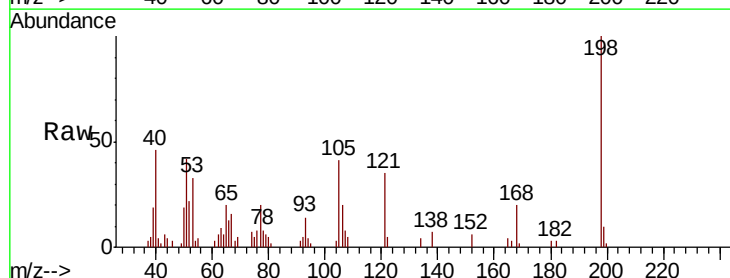
Tgt Ion:198 Resp: 21259

Ion Ratio Lower Upper

198 100

51 41.9 21.6 61.6

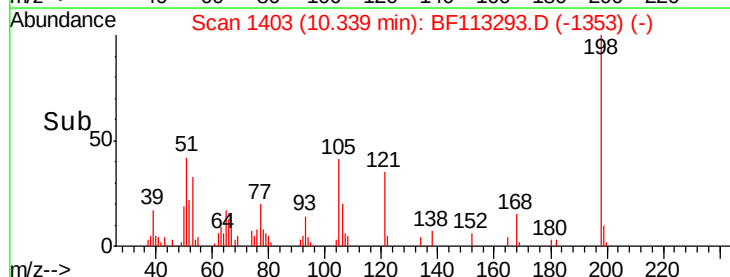
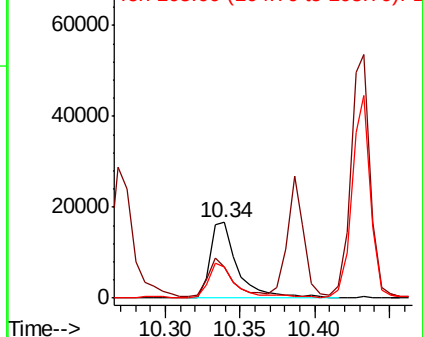
105 40.6 20.6 60.6

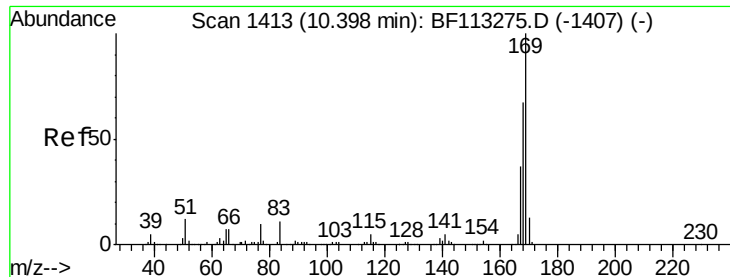


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

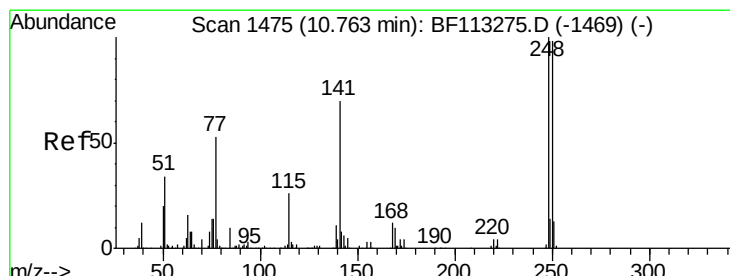
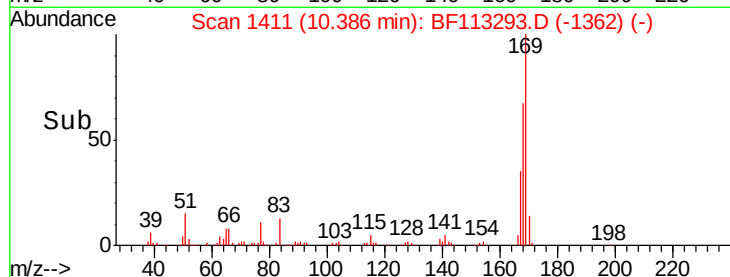
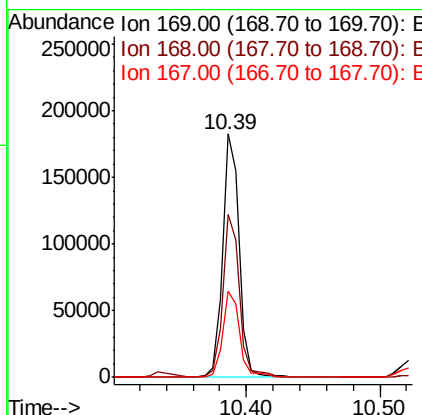
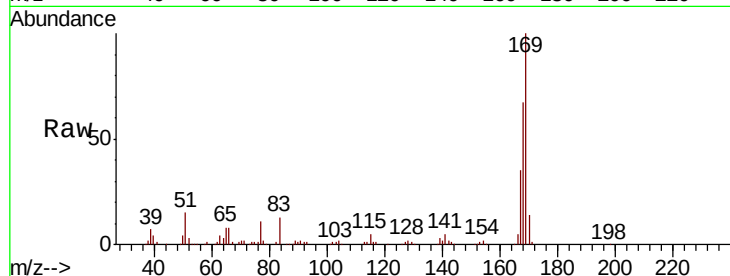




#66
 n-Nitrosodiphenylamine
 Concen: 8.789 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

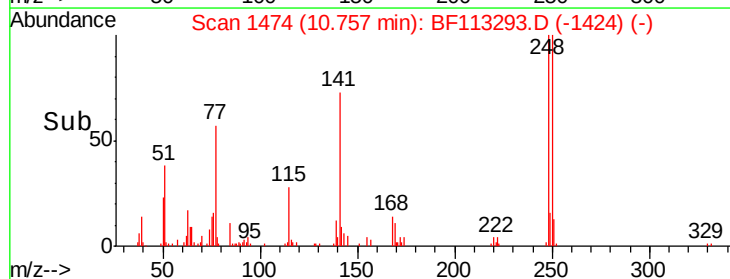
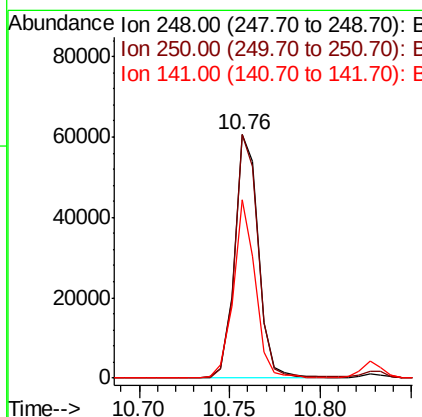
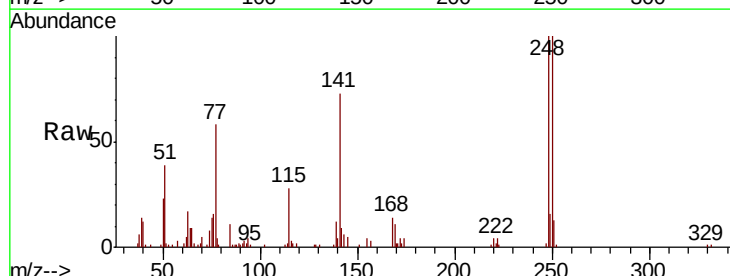
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

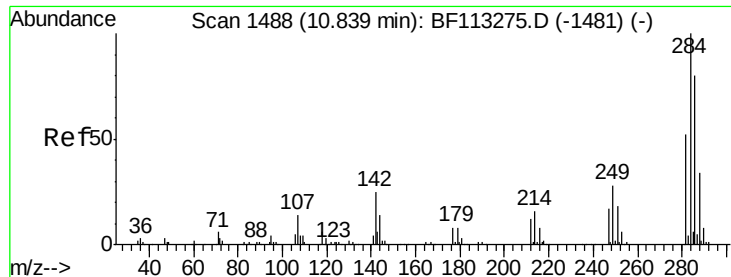
Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.7	80.5
167	35.2	29.5	44.3



#67
 4-Bromophenyl-phenylether
 Concen: 8.536 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion	Ratio	Lower	Upper
248	100		
250	100.2	78.3	117.5
141	73.2	56.2	84.4





#68

Hexachlorobenzene

Concen: 8.813 ng

RT: 10.83 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

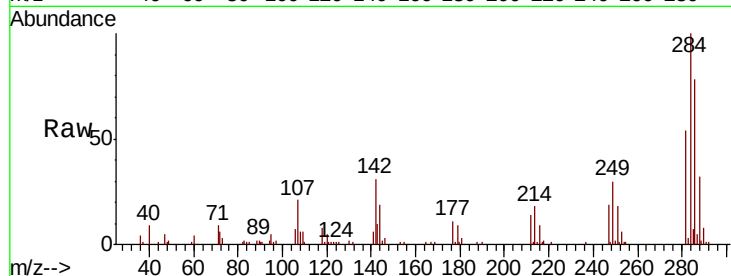
Tgt Ion:284 Resp: 66191

Ion Ratio Lower Upper

284 100

142 31.2 20.1 30.1#

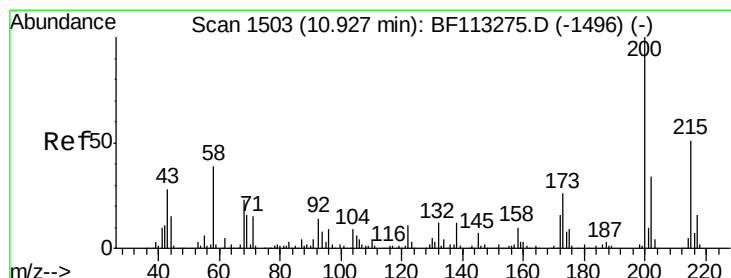
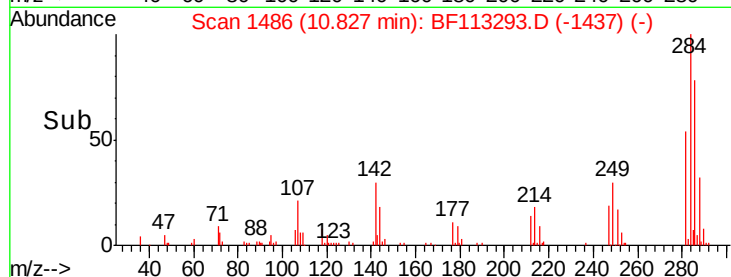
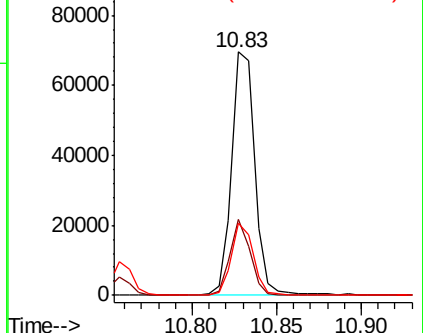
249 29.9 22.7 34.1



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Atrazine

Concen: 8.581 ng

RT: 10.92 min Scan# 1501

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

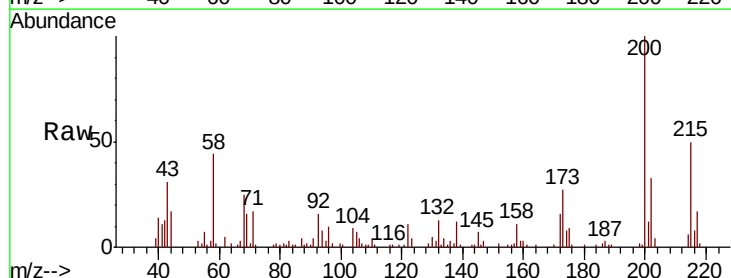
Tgt Ion:200 Resp: 49344

Ion Ratio Lower Upper

200 100

173 27.0 6.0 46.0

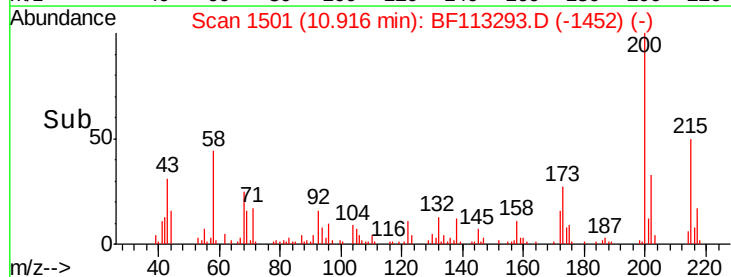
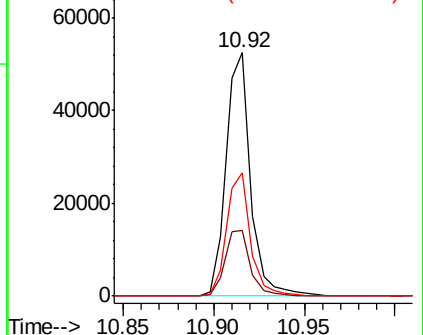
215 50.5 31.3 71.3

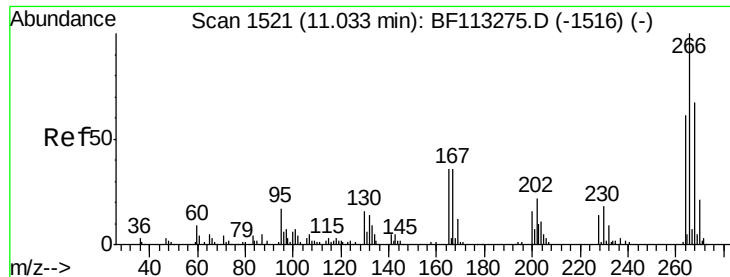


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

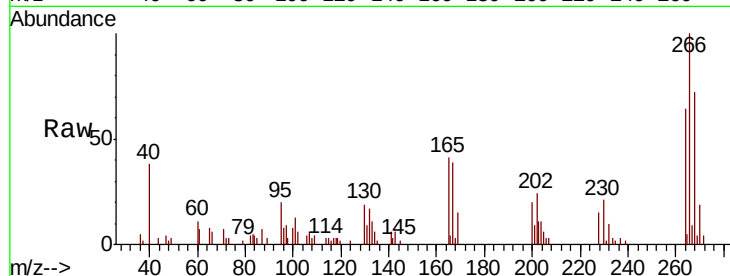




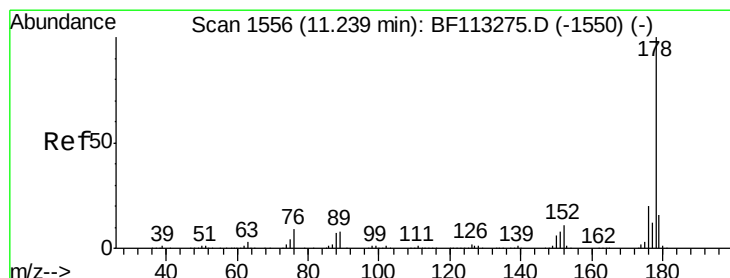
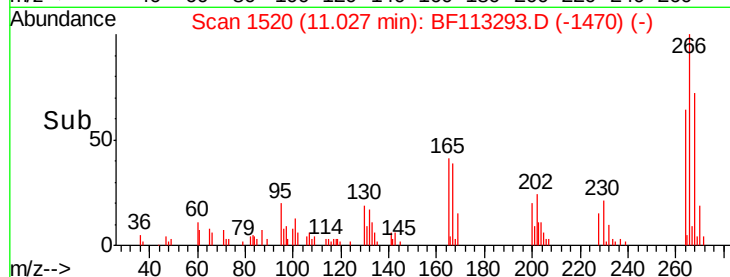
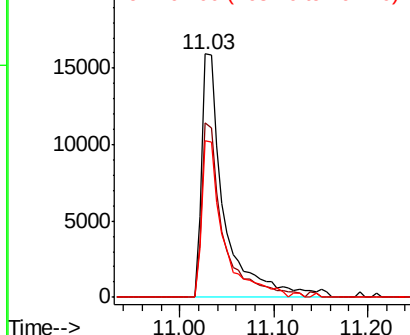
#70
 Pentachlorophenol
 Concen: 6.835 ng
 RT: 11.03 min Scan# 1520
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 266 Resp: 26746
 Ion Ratio Lower Upper
 266 100
 268 75.9 53.8 80.6
 264 69.7 49.2 73.8

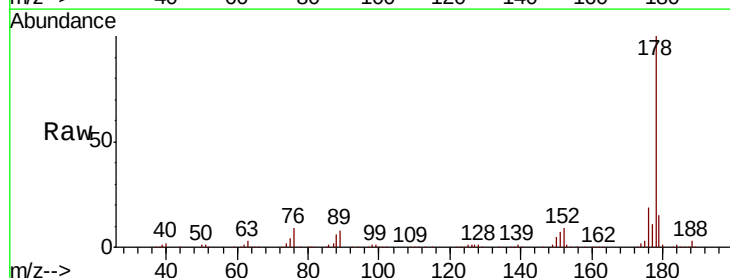


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

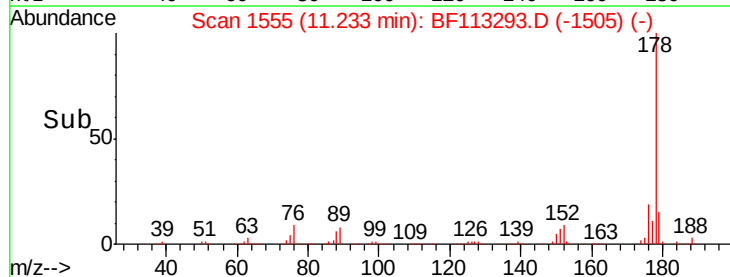
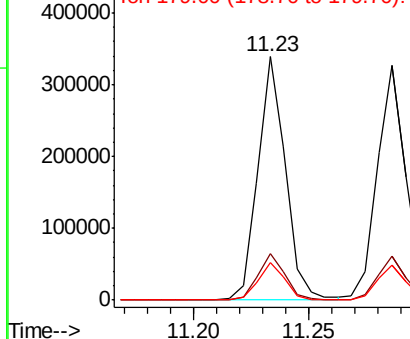


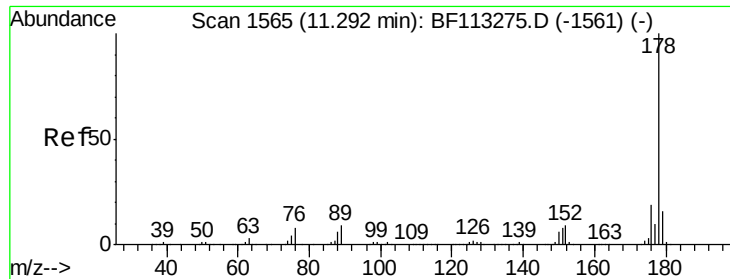
#71
 Phenanthrene
 Concen: 9.612 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion: 178 Resp: 283374
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.2
 179 15.5 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 9.898 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

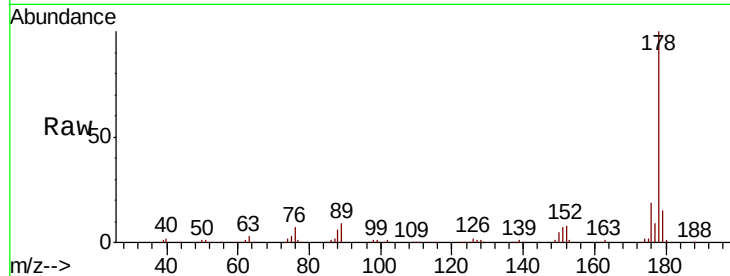
Tgt Ion:178 Resp: 296397

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

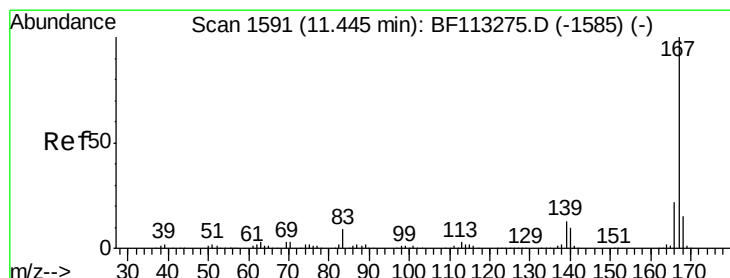
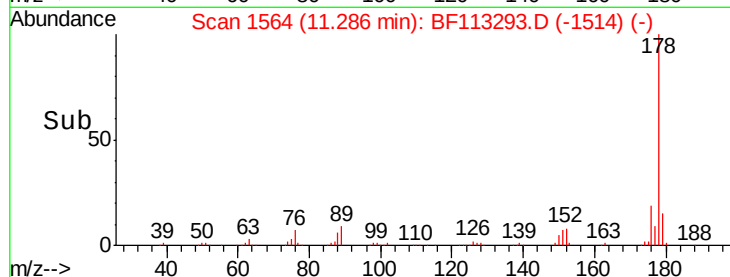
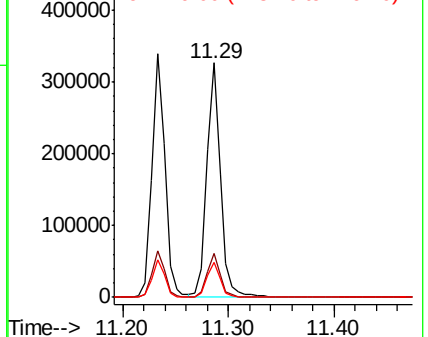
179 15.2 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 10.093 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

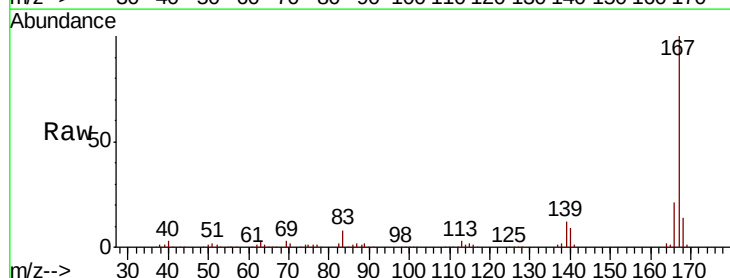
Tgt Ion:167 Resp: 288398

Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.0

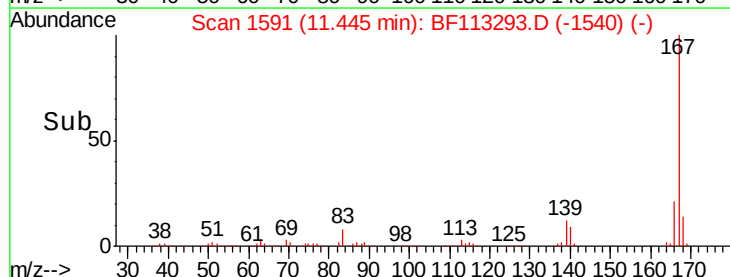
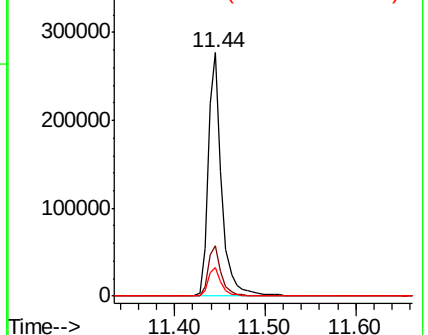
139 11.6 10.4 15.6

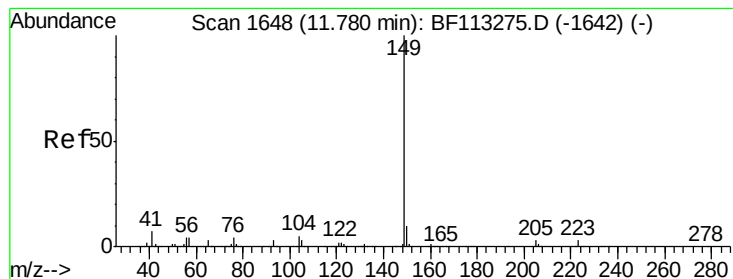


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 9.877 ng

RT: 11.77 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

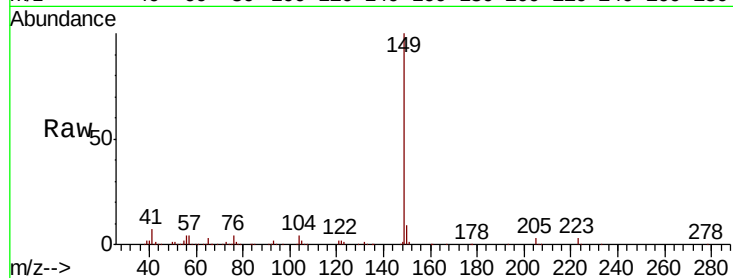
Tgt Ion:149 Resp: 327292

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

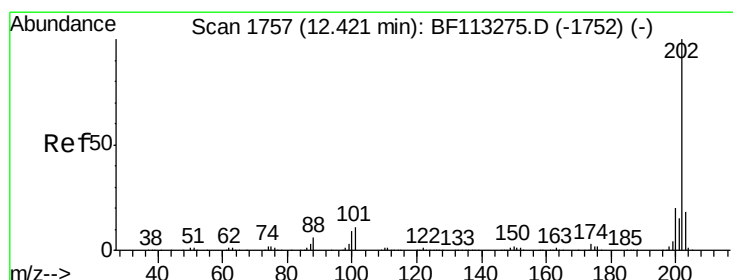
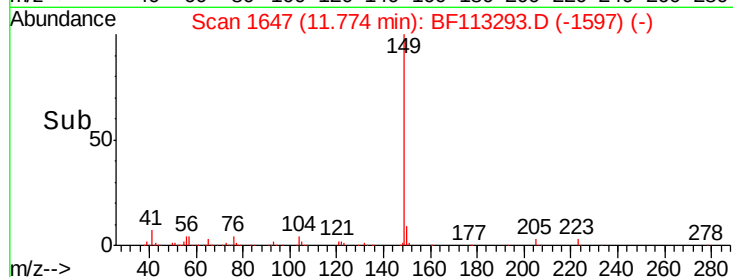
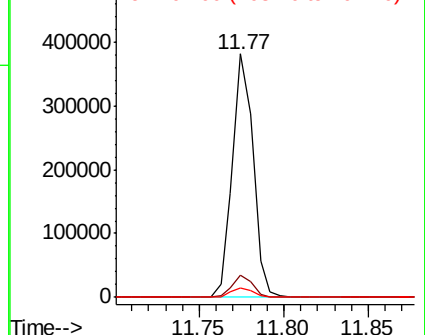
104 4.1 3.7 5.5



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: 10.324 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

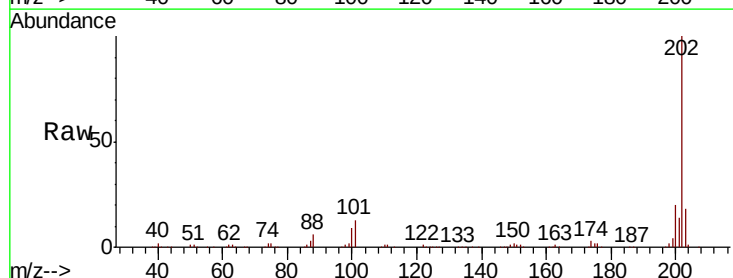
Tgt Ion:202 Resp: 344100

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.4

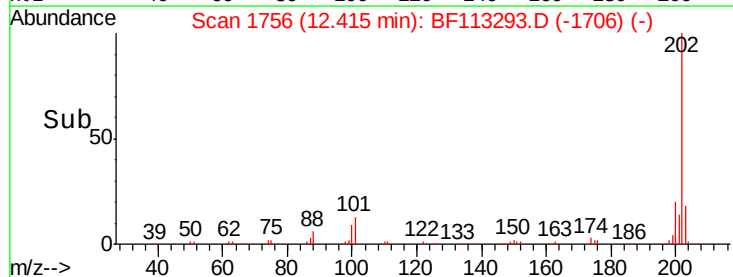
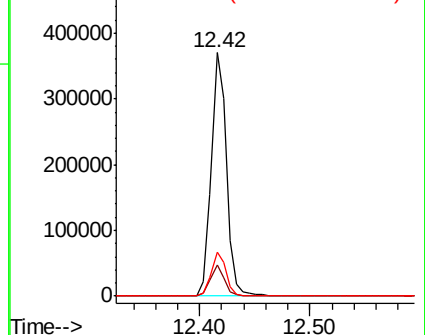
203 17.9 0.0 38.0

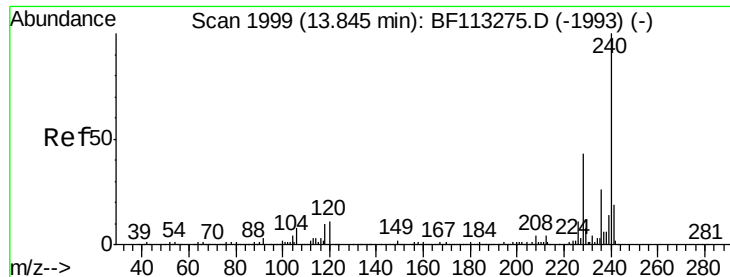


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113293.D

Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

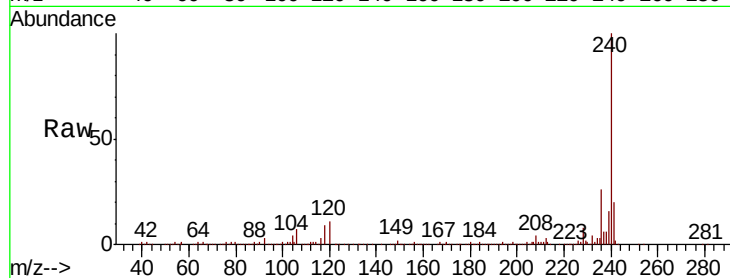
Tgt Ion:240 Resp: 575071

Ion Ratio Lower Upper

240 100

120 10.9 8.8 13.2

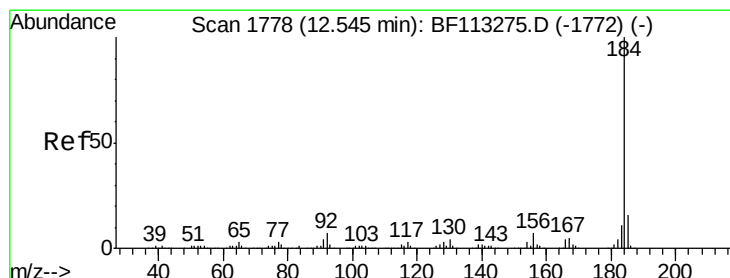
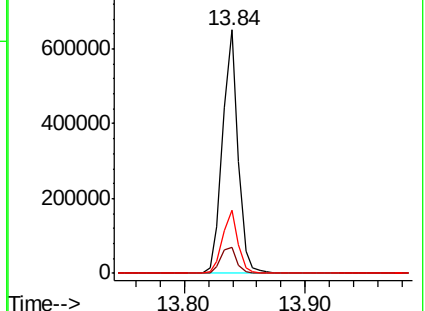
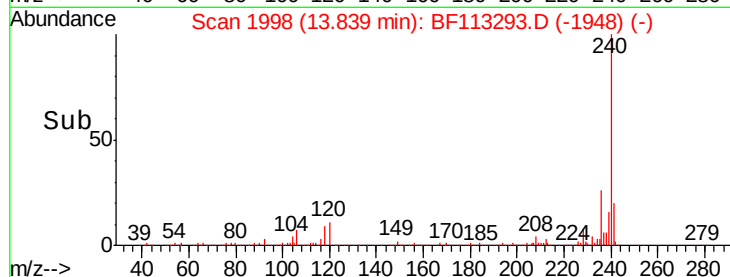
236 25.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 8.125 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF113293.D

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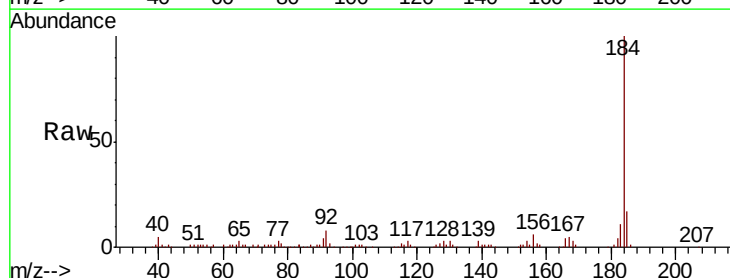
Tgt Ion:184 Resp: 178939

Ion Ratio Lower Upper

184 100

185 17.2 13.0 19.6

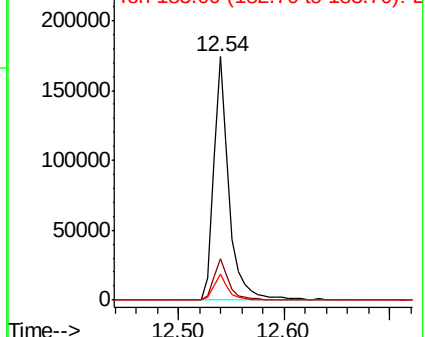
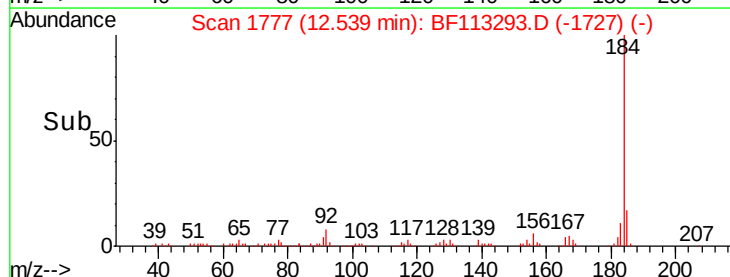
183 10.7 9.0 13.4

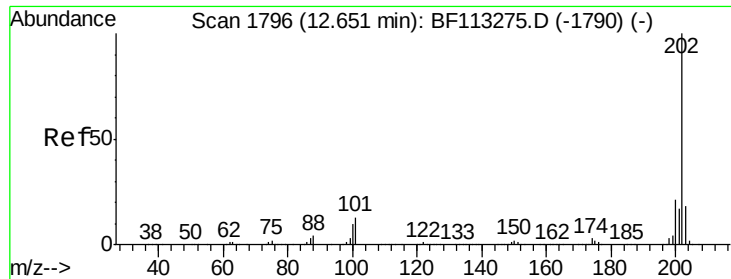


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

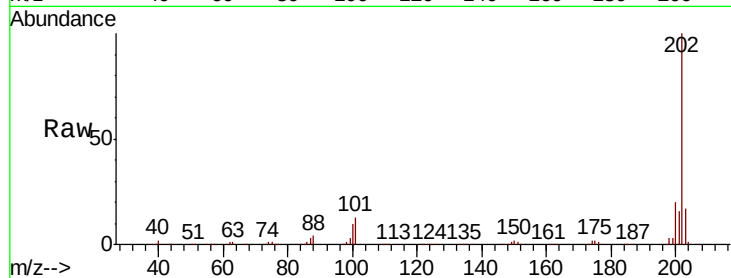




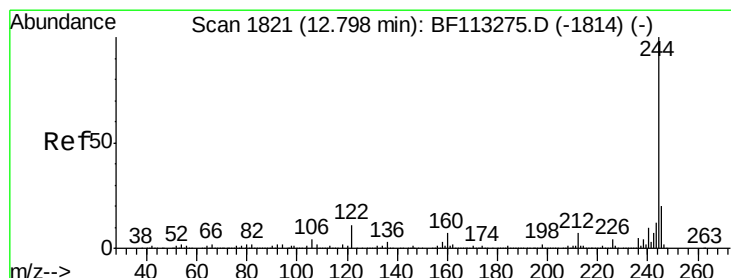
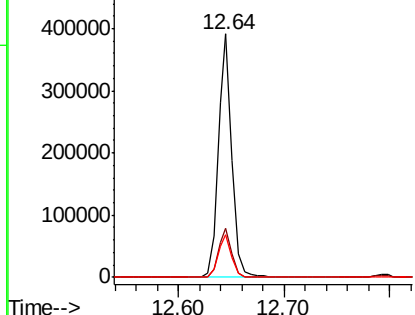
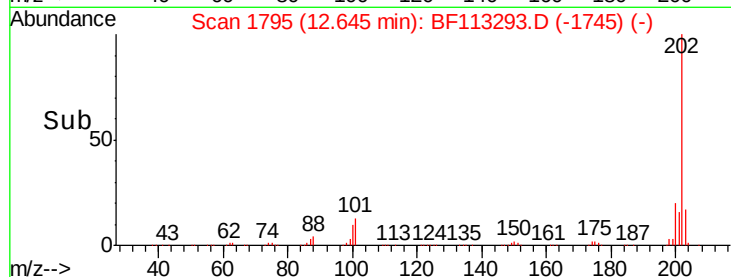
#78
 Pyrene
 Concen: 8.840 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 202 Resp: 352265
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.8 25.2
 203 17.4 14.4 21.6

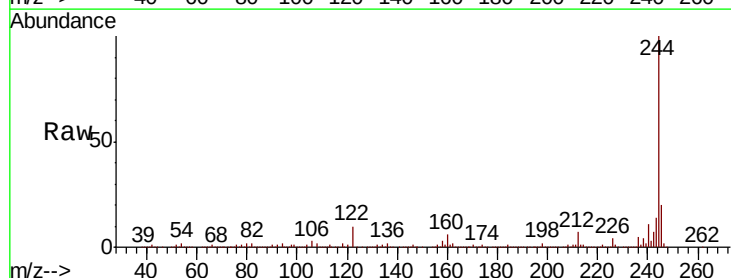


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

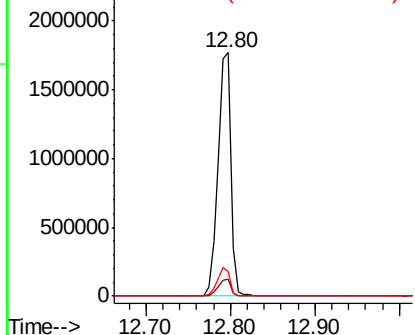
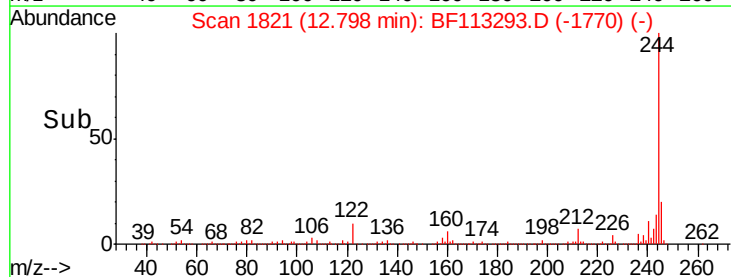


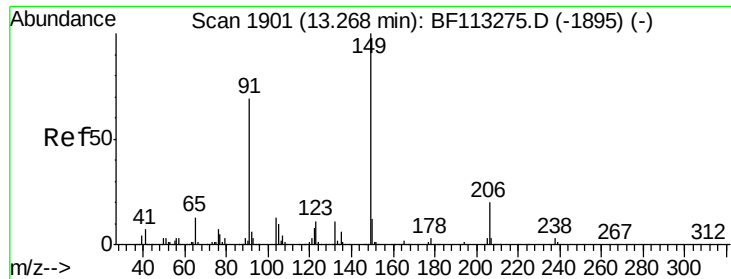
#79
 Terphenyl-d14
 Concen: 74.690 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion: 244 Resp: 1948662
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 10.2 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

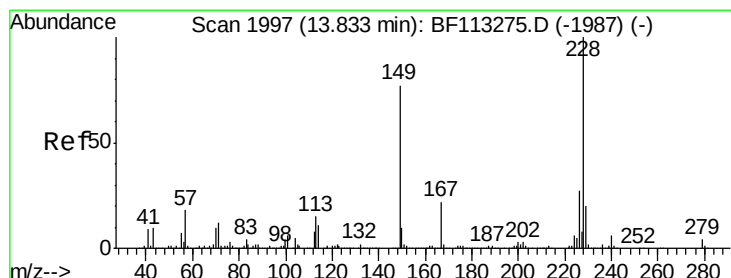
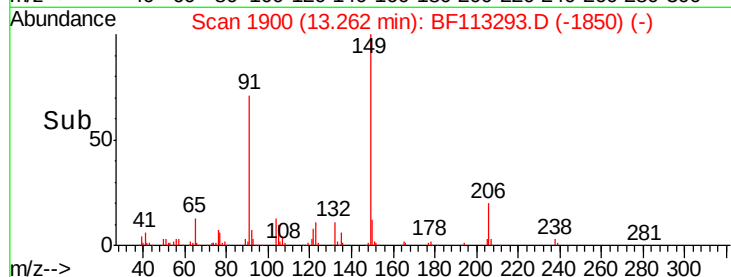
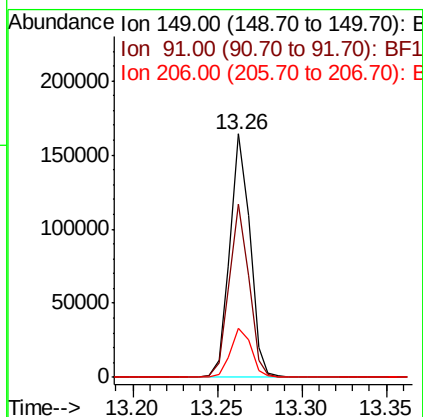
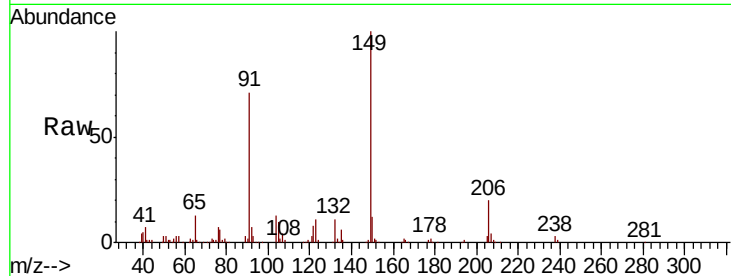




#80
Butylbenzylphthalate
Concen: 7.764 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

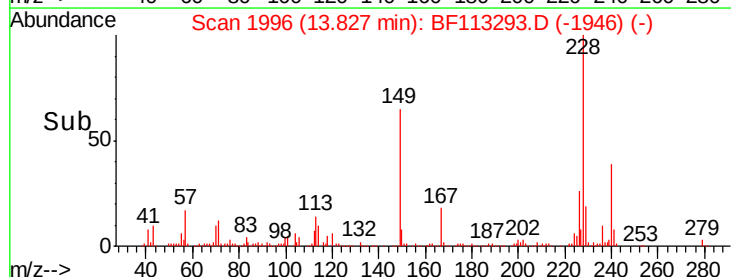
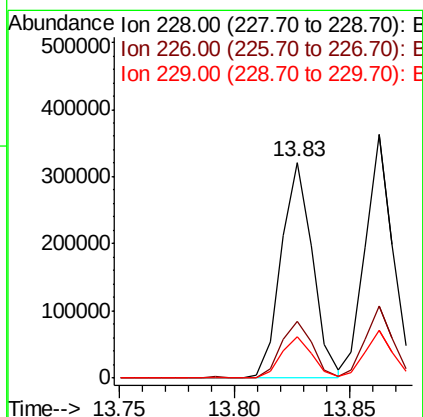
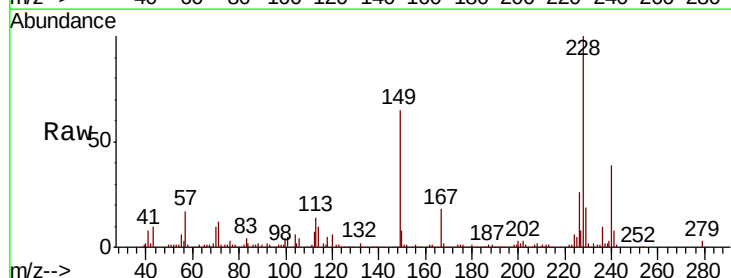
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

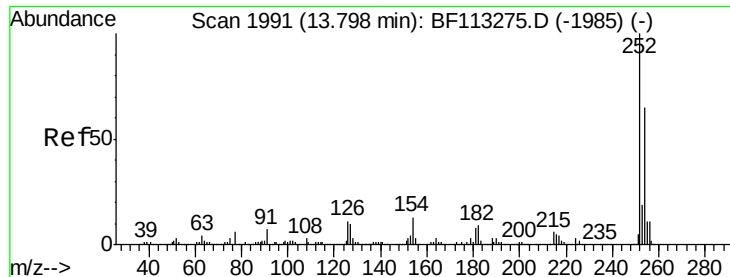
Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.2	55.2	82.8
206	20.2	16.1	24.1



#81
Benzo(a)anthracene
Concen: 9.144 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.8	32.8
229	19.4	16.2	24.4

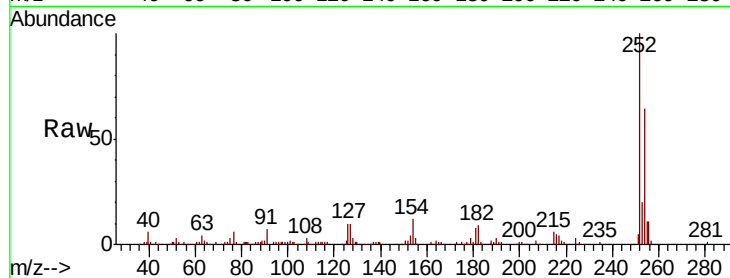




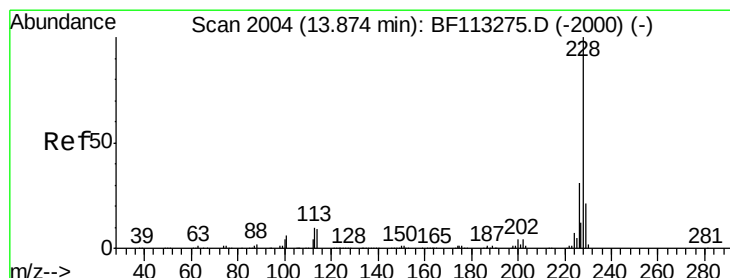
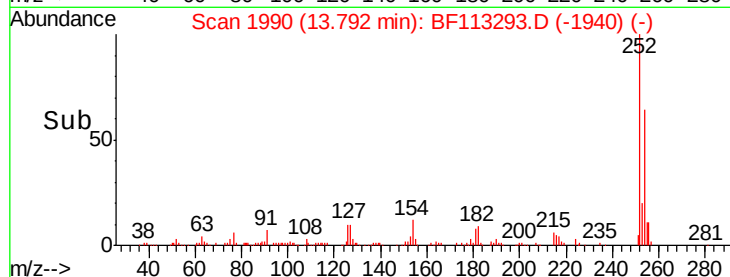
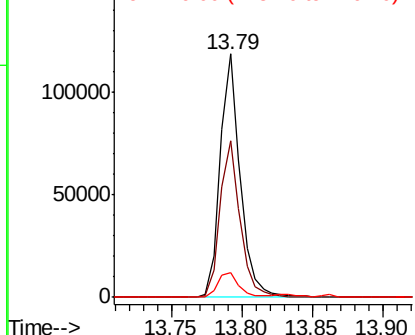
#82
 3,3'-Dichlorobenzidine
 Concen: 8.857 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:	252	Resp:	116959
Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.2	78.2
126	10.2	8.5	12.7

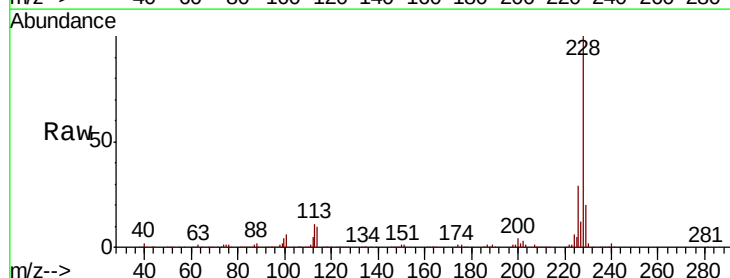


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

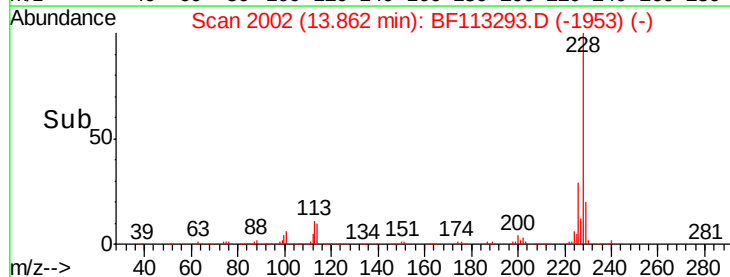
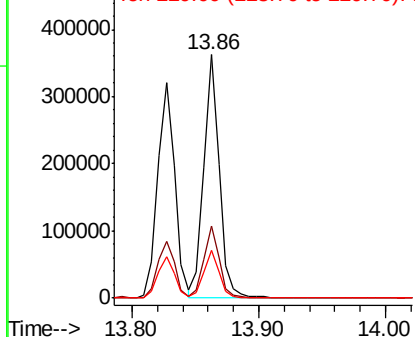


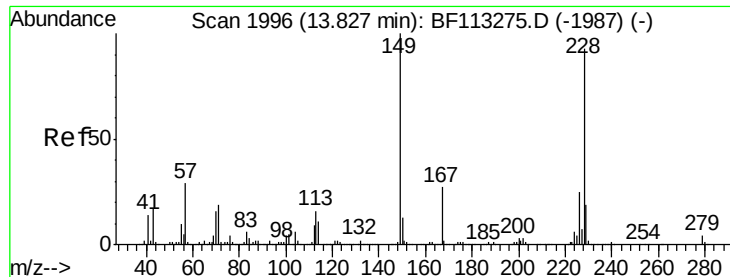
#83
 Chrysene
 Concen: 9.243 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:	228	Resp:	309041
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.3	36.5
229	19.6	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

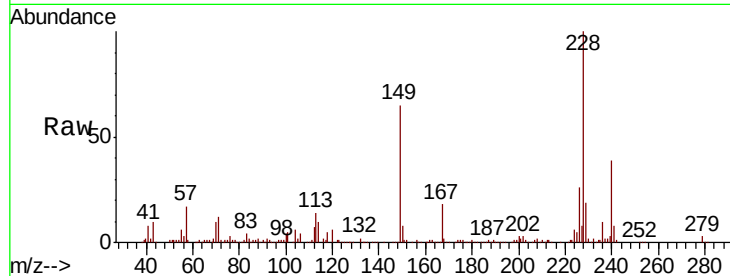




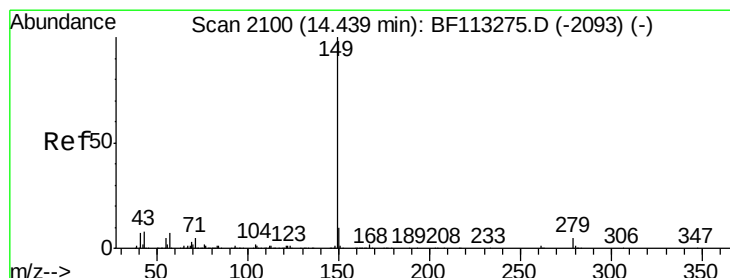
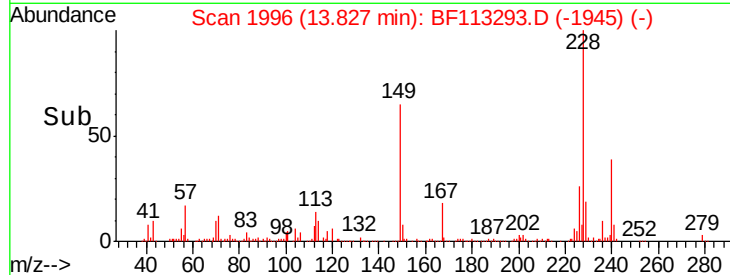
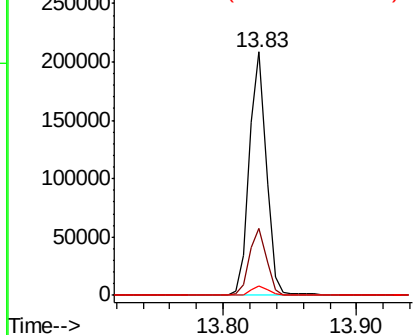
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.450 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.00 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:149 Resp: 181930
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.8 32.8
 279 3.9 2.9 4.3

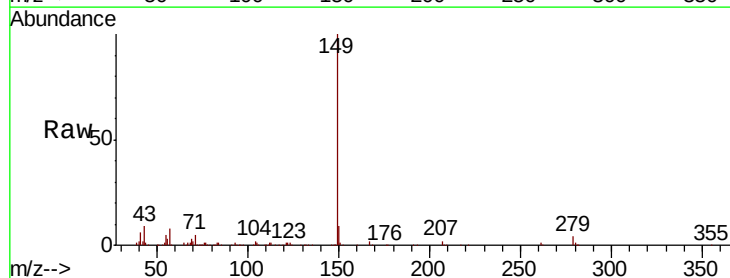


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

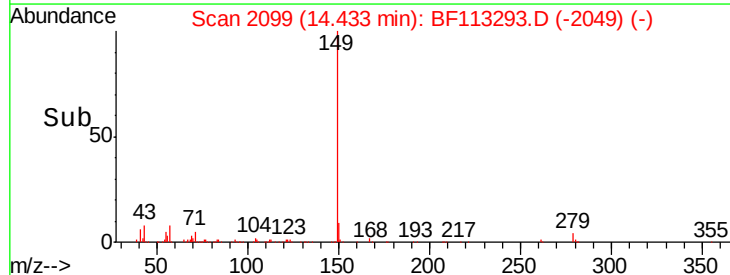
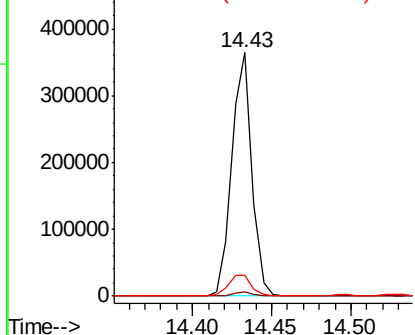


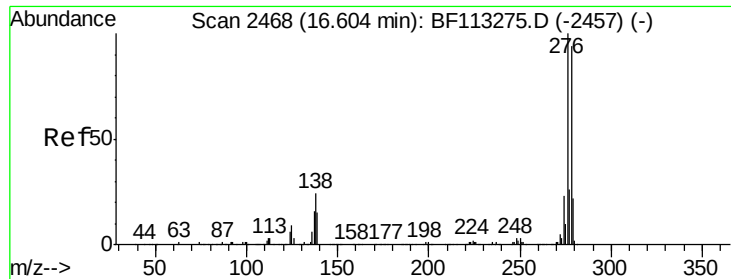
#85
 Di-n-octyl phthalate
 Concen: 8.739 ng
 RT: 14.43 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion:149 Resp: 319386
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.3 1.9
 43 9.5 7.7 11.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1

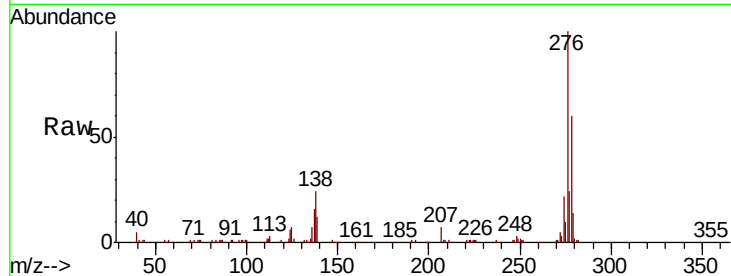




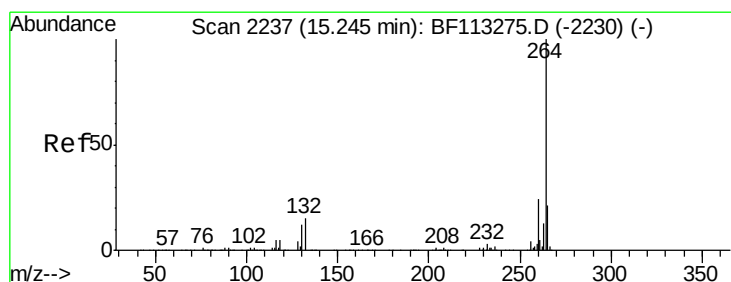
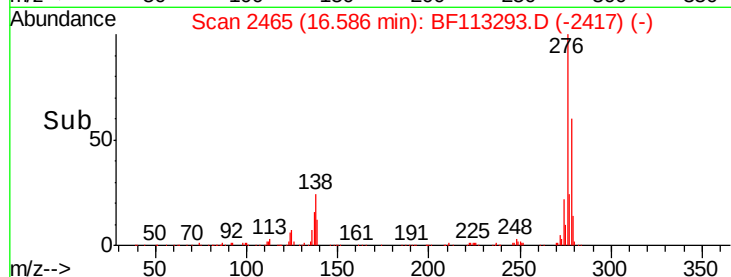
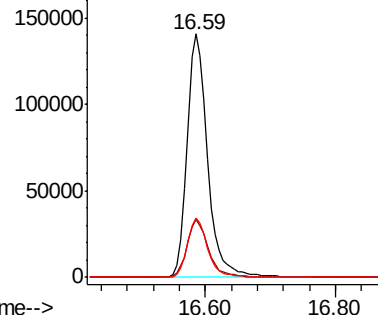
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.682 ng
 RT: 16.59 min Scan# 2465
 Delta R.T. -0.02 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 276 Resp: 306530
 Ion Ratio Lower Upper
 276 100
 138 24.7 18.1 27.1
 277 24.4 20.2 30.4

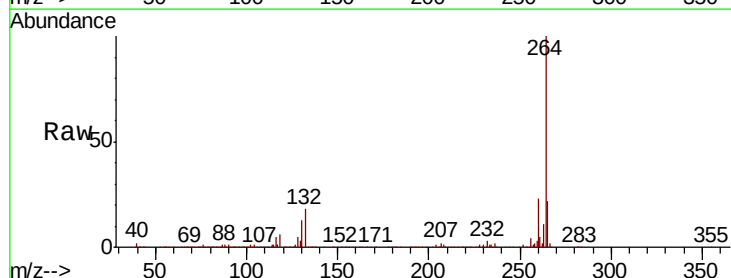


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

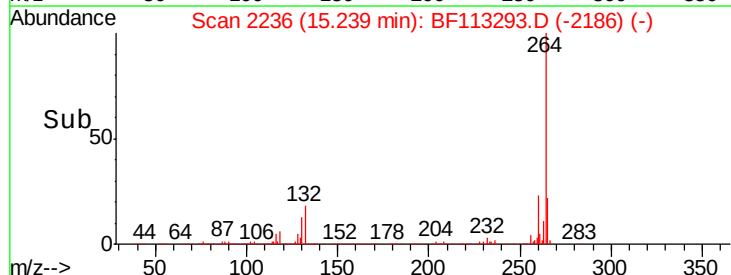
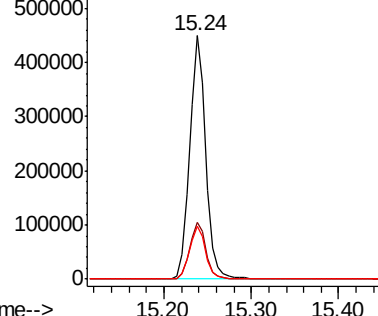


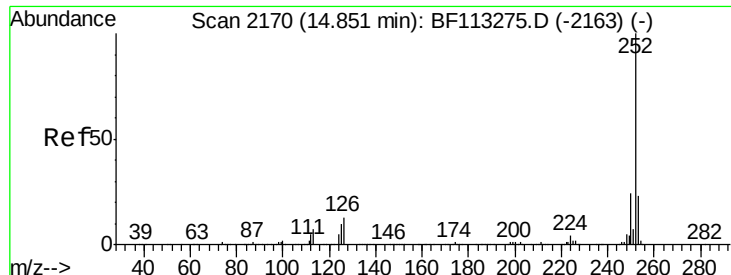
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113293.D
 Acq: 26 Mar 2019 16:01

Tgt Ion: 264 Resp: 572681
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 21.9 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

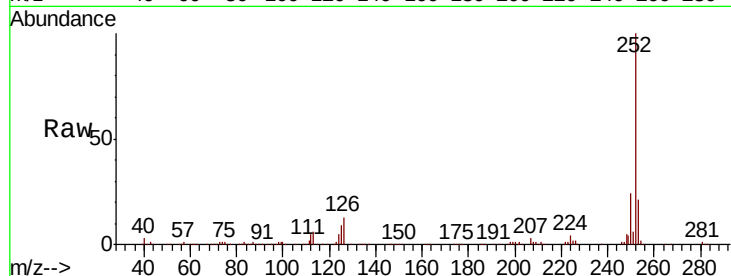




#88
Benzo(b)fluoranthene
Concen: 8.755 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	9.1	7.6	11.4

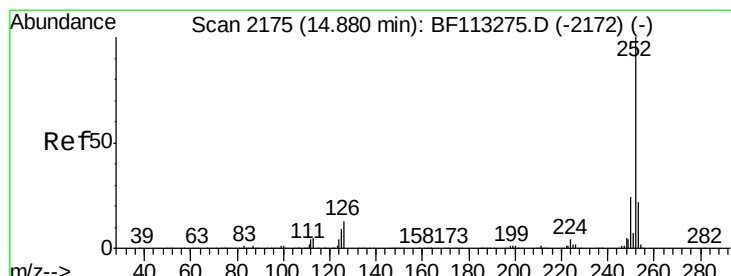
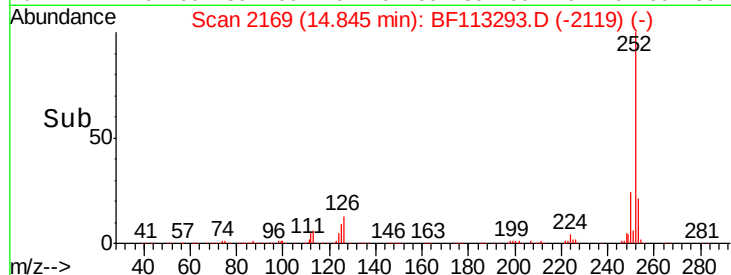
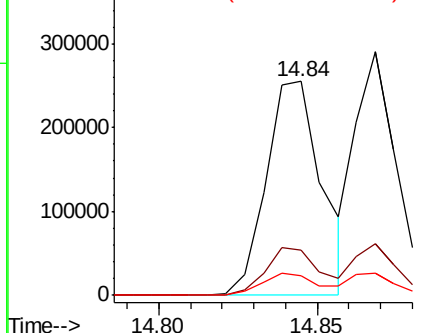


Abundance

Ion 252.00 (251.70 to 252.70): E

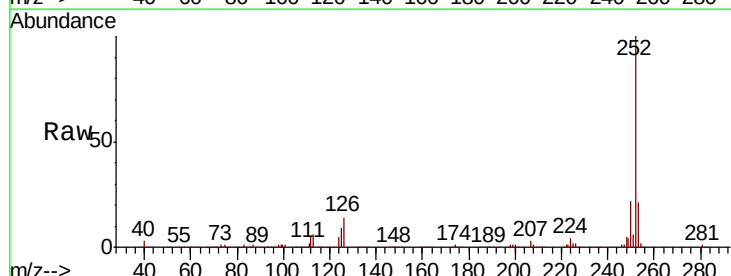
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 8.709 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.7	26.5
125	9.0	7.3	10.9

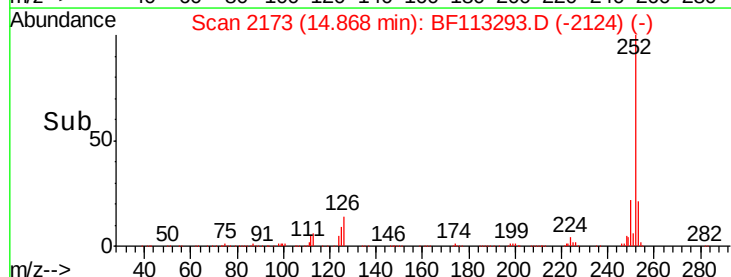
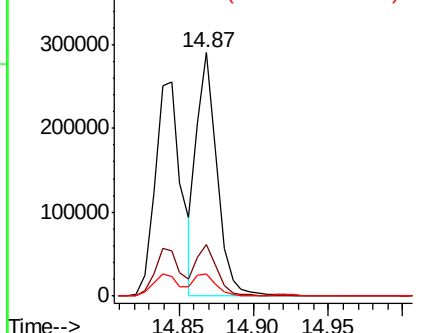


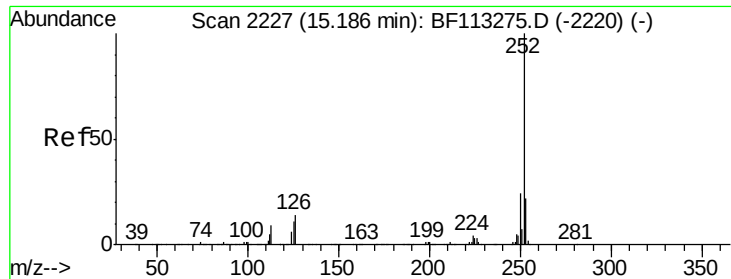
Abundance

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

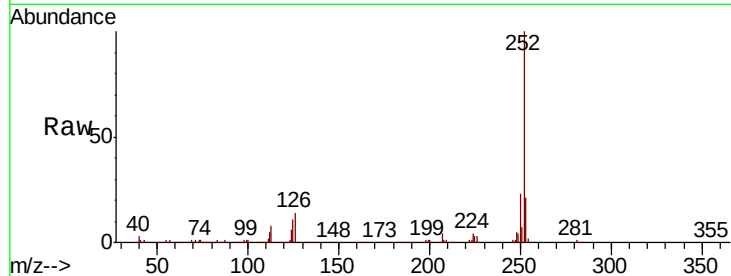




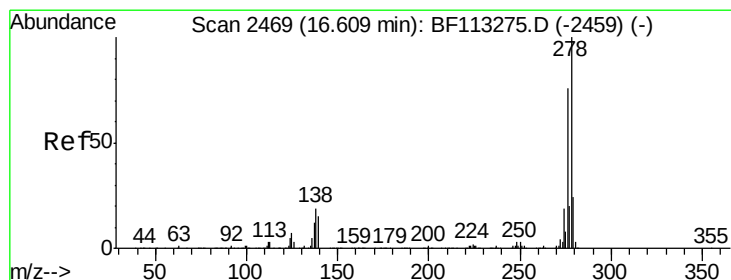
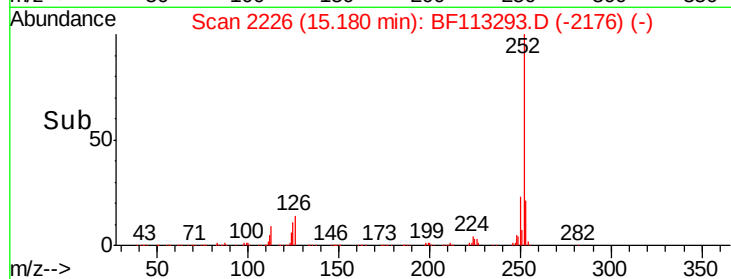
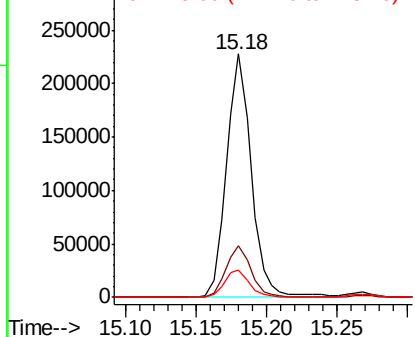
#90
Benzo(a)pyrene
Concen: 8.829 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion: 252 Resp: 278456
Ion Ratio Lower Upper
252 100
253 21.2 17.9 26.9
125 11.1 8.8 13.2

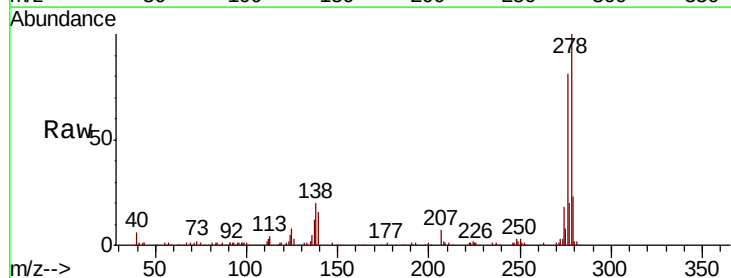


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

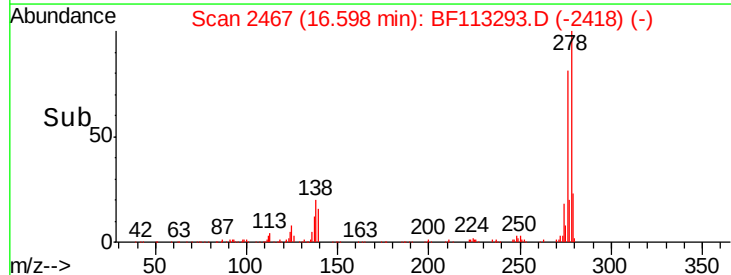
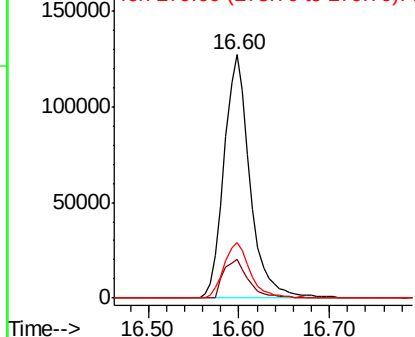


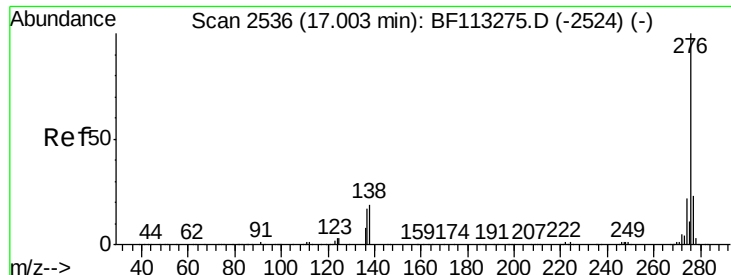
#91
Dibenzo(a,h)anthracene
Concen: 9.265 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113293.D
Acq: 26 Mar 2019 16:01

Tgt Ion: 278 Resp: 252657
Ion Ratio Lower Upper
278 100
139 15.8 12.0 18.0
279 23.0 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: 8.847 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF113293.D

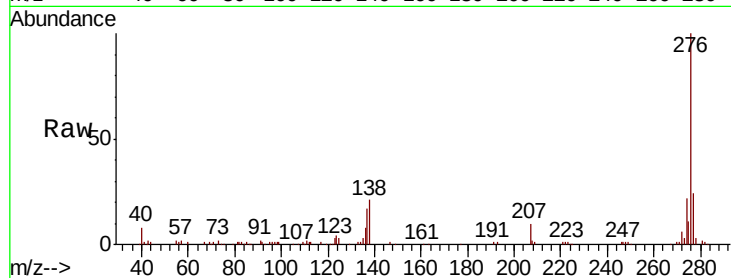
Acq: 26 Mar 2019 16:01

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019



Tgt Ion:	276	Resp:	243260
Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	21.2	15.6	23.4

