

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

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

Manual Integrations
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Sohil
 3/27/2019 3:17:43 PM

Quant Time: Mar 27 07:07:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

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

System Monitoring Compounds

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

Target Compounds

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

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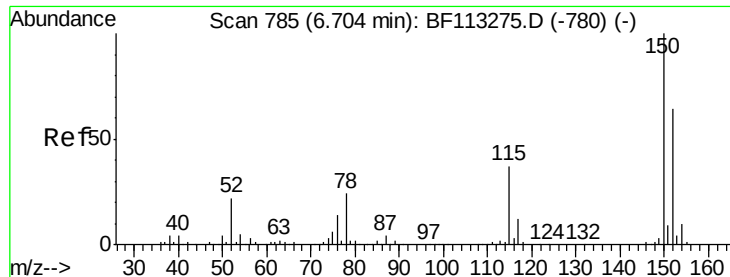
Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	62954	14.904	ng	100
43) 2,4,6-Trichlorophenol	8.98	196	132311	20.360	ng	100
44) 2,4,5-Trichlorophenol	9.03	196	145894	20.286	ng	97
46) 1,1'-Biphenyl	9.16	154	571874	22.025	ng	99
47) 2-Chloronaphthalene	9.18	162	427208	21.369	ng	99
48) 2-Nitroaniline	9.28	65	135180	21.547	ng	98
49) Acenaphthylene	9.59	152	730365	22.594	ng	99
50) Dimethylphthalate	9.46	163	493475	21.419	ng	99
51) 2,6-Dinitrotoluene	9.52	165	112831	21.708	ng	91
52) Acenaphthene	9.77	154	404494	22.220	ng	99
53) 3-Nitroaniline	9.69	138	128374	21.901	ng	92
54) 2,4-Dinitrophenol	9.80	184	49620	19.195	ng	# 84
55) Dibenzofuran	9.94	168	625513	22.857	ng	98
56) 4-Nitrophenol	9.86	139	85339	20.422	ng	93
57) 2,4-Dinitrotoluene	9.93	165	147847	22.368	ng	93
58) Fluorene	10.28	166	484896	22.808	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.06	232	129037	21.217	ng	98
60) Diethylphthalate	10.16	149	481869	21.320	ng	99
61) 4-Chlorophenyl-phenylether	10.27	204	234710	22.652	ng	93
62) 4-Nitroaniline	10.30	138	135697	22.485	ng	96
63) Azobenzene	10.43	77	469878	22.085	ng	98
65) 4,6-Dinitro-2-methylphenol	10.33	198	68344	19.739	ng	88
66) n-Nitrosodiphenylamine	10.39	169	424214	21.843	ng	99
67) 4-Bromophenyl-phenylether	10.76	248	151862	22.015	ng	92
68) Hexachlorobenzene	10.83	284	177680	22.190	ng	100
69) Atrazine	10.92	200	133800	21.827	ng	97
70) Pentachlorophenol	11.03	266	83410	19.994	ng	99
71) Phenanthrene	11.23	178	721988	22.971	ng	99
72) Anthracene	11.29	178	744378	23.316	ng	99
73) Carbazole	11.45	167	703785	23.103	ng	99
74) Di-n-butylphthalate	11.77	149	784351	22.203	ng	100
75) Fluoranthene	12.42	202	812272	22.861	ng	98
77) Benzidine	12.54	184	396392	18.681	ng	# 94
78) Pyrene	12.64	202	837738	21.818	ng	99
80) Butylbenzylphthalate	13.26	149	332703	19.661	ng	98
81) Benzo(a)anthracene	13.83	228	697068	21.978	ng	99
82) 3,3'-Dichlorobenzidine	13.79	252	275596	21.660	ng	99
83) Chrysene	13.86	228	721347	22.391	ng	100
84) Bis(2-ethylhexyl)phthalate	13.83	149	418025	20.151	ng	99
85) Di-n-octyl phthalate	14.43	149	766862	21.778	ng	100
86) Indeno(1,2,3-cd)pyrene	16.59	276	682403	24.682	ng	97
88) Benzo(b)fluoranthene	14.84	252	704183	20.259	ng	99
89) Benzo(k)fluoranthene	14.87	252	649305m	21.272	ng	
90) Benzo(a)pyrene	15.18	252	649222	21.068	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	568485	21.336	ng	99
92) Benzo(g,h,i)perylene	17.00	276	544910	20.283	ng	98

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



#1

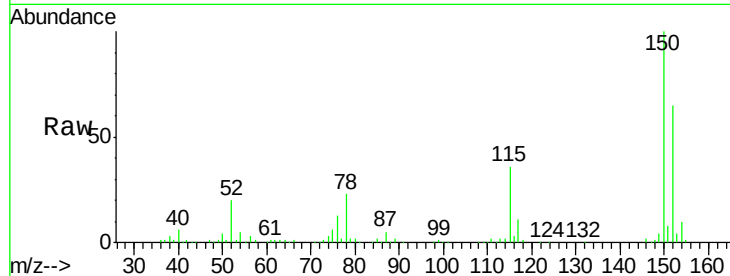
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

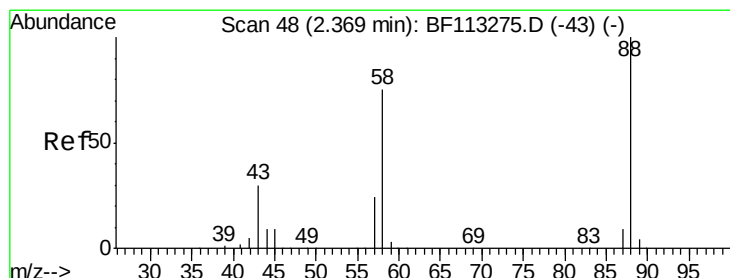
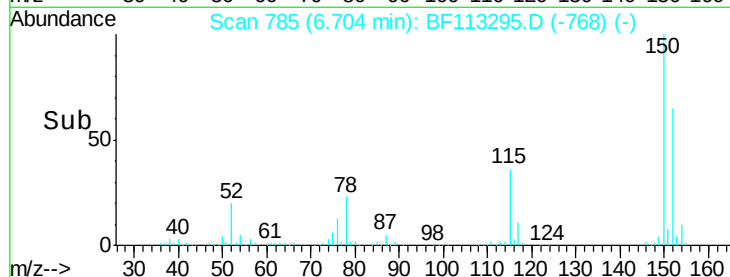
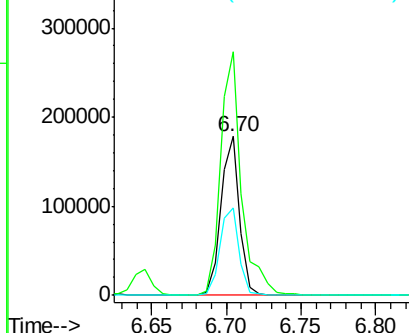
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.7	187.1
115	55.4	46.0	69.0

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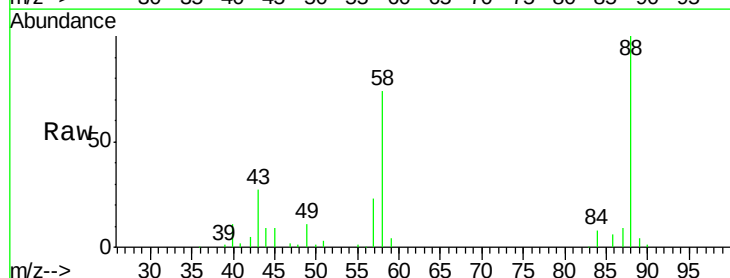
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



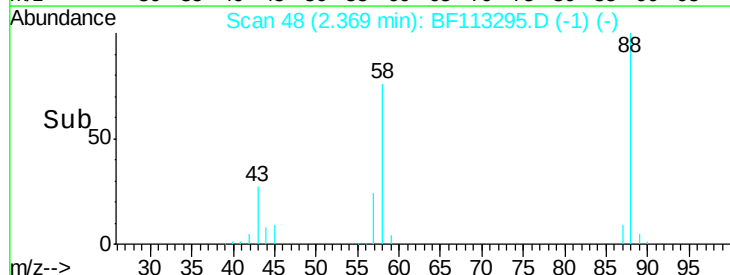
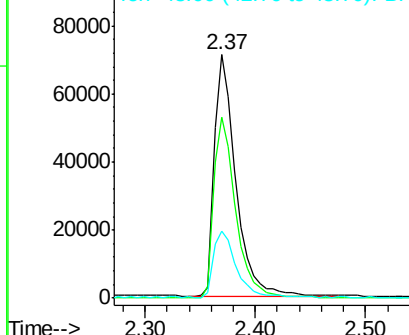
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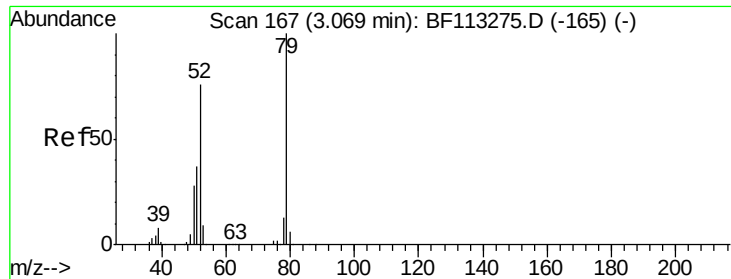
1,4-Dioxane
Concen: 19.919 ng
RT: 2.37 min Scan# 48
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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



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





#3

Pyridine

Concen: 19.129 ng

RT: 3.11 min Scan# 174

Delta R.T. 0.04 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

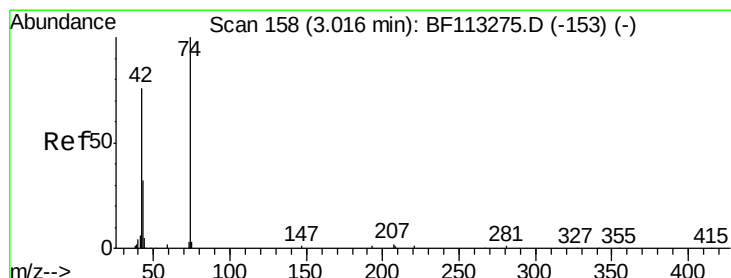
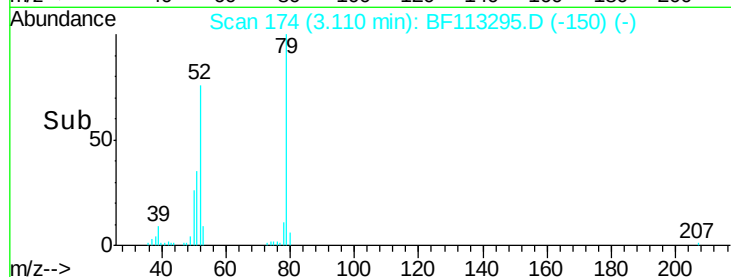
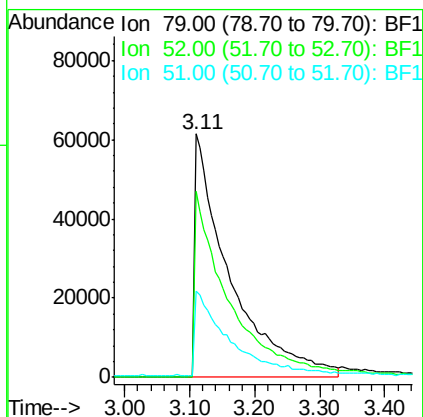
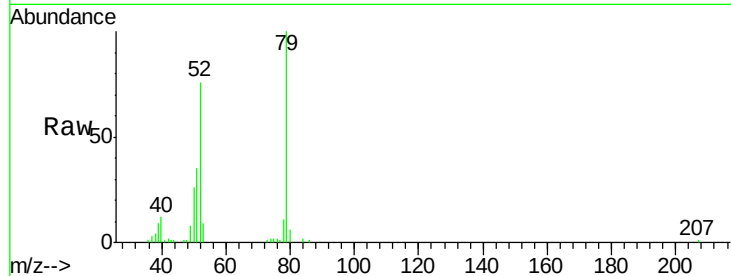
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	79	Resp:	227759
Ion	Ratio	Lower	Upper
79	100		
52	76.3	61.0	91.4
51	35.5	30.6	45.8

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#4

n-Nitrosodimethylamine

Concen: 18.708 ng

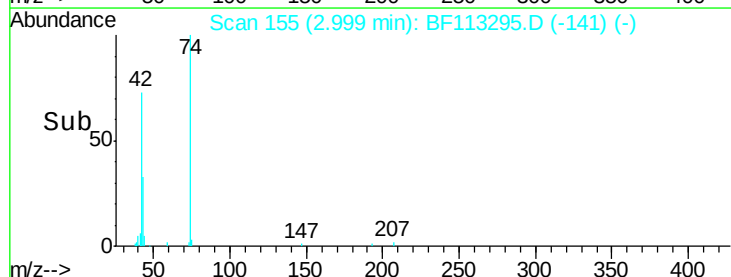
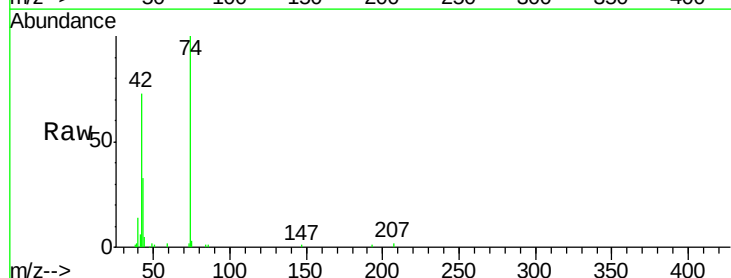
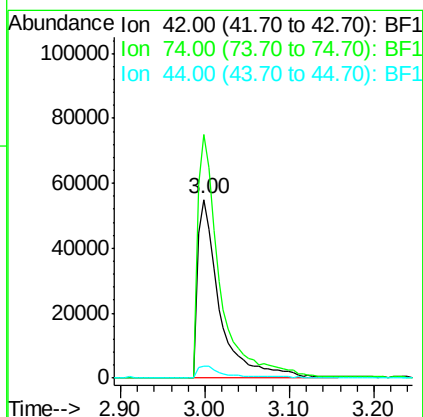
RT: 3.00 min Scan# 155

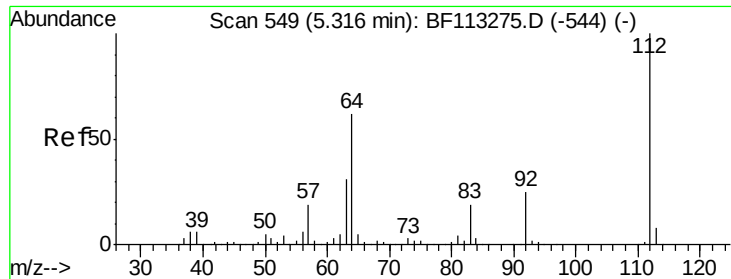
Delta R.T. -0.02 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:	42	Resp:	99023
Ion	Ratio	Lower	Upper
42	100		
74	136.3	102.4	153.6
44	6.6	5.5	8.3





#5

2-Fluorophenol

Concen: 126.807 ng

RT: 5.32 min Scan# 549

Delta R.T. 0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion: 112 Resp: 1207126

Ion Ratio Lower Upper

112 100

64 62.7 49.2 73.8

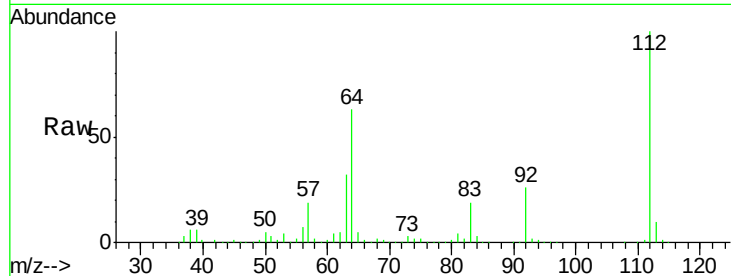
63 32.0 24.9 37.3

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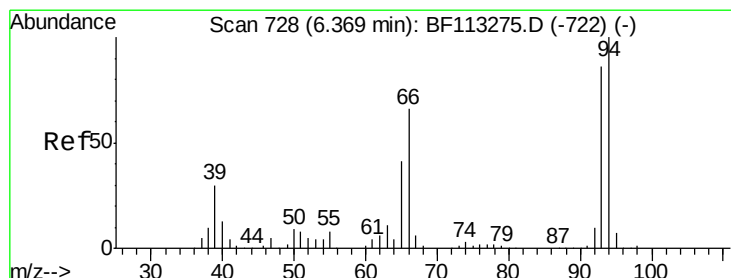
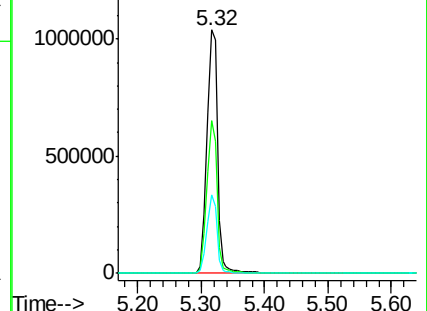
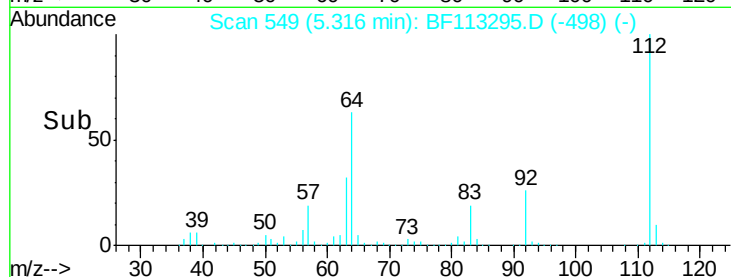
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 19.897 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

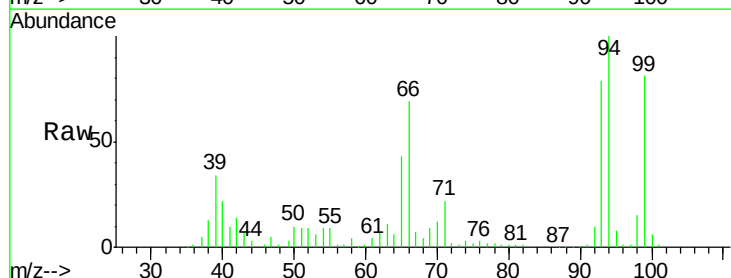
Tgt Ion: 93 Resp: 291785

Ion Ratio Lower Upper

93 100

66 87.4 62.1 93.1

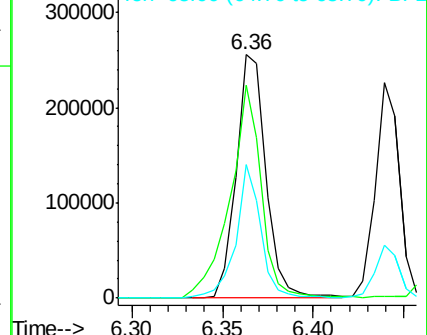
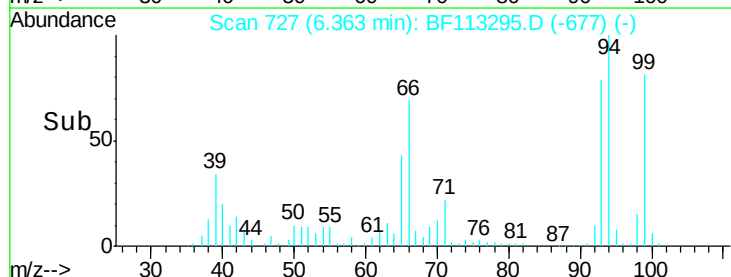
65 54.8 38.7 58.1

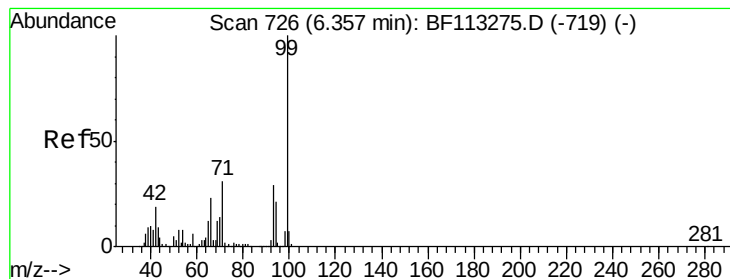


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 121.319 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion: 99 Resp: 1460990

Ion Ratio Lower Upper

99 100

42 18.5 14.8 22.2

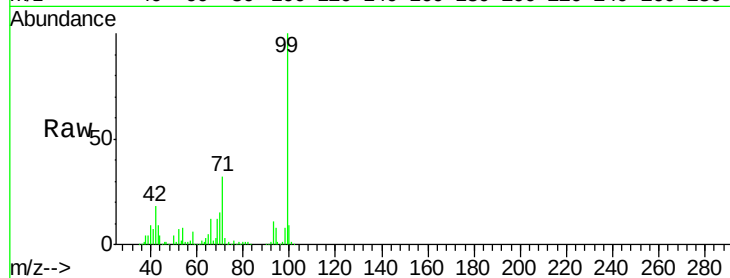
71 31.6 24.9 37.3

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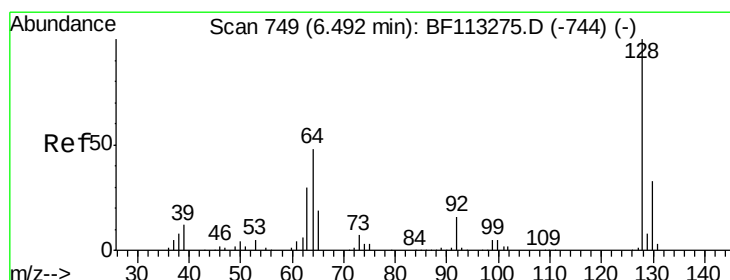
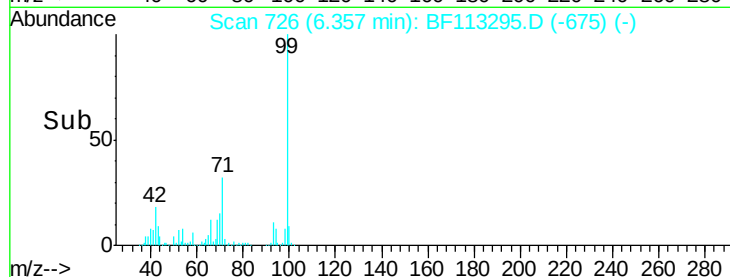
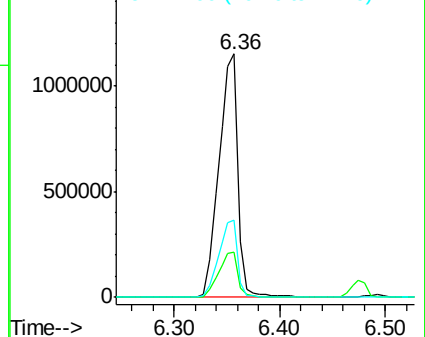
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 19.801 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

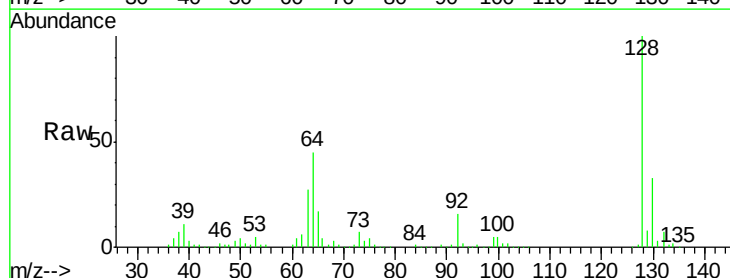
Tgt Ion: 128 Resp: 218890

Ion Ratio Lower Upper

128 100

130 33.2 12.6 52.6

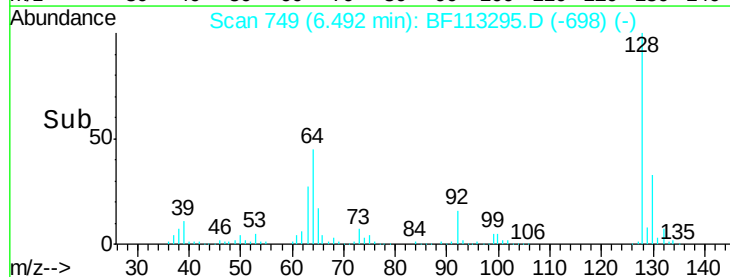
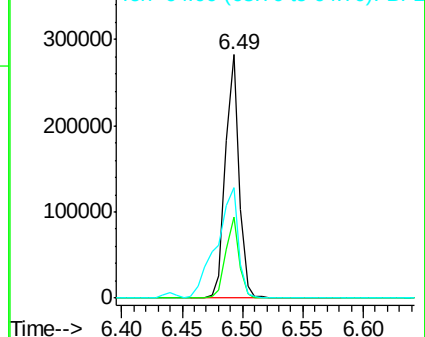
64 45.4 29.4 69.4

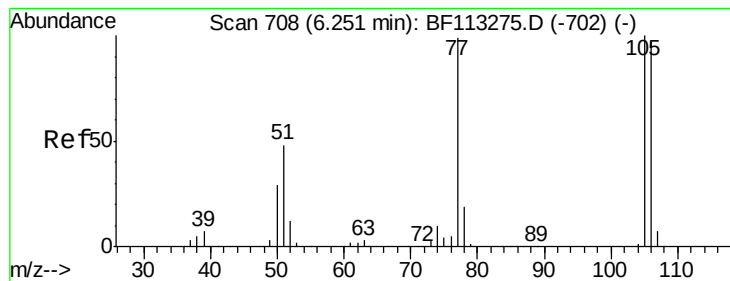


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 19.768 ng

RT: 6.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

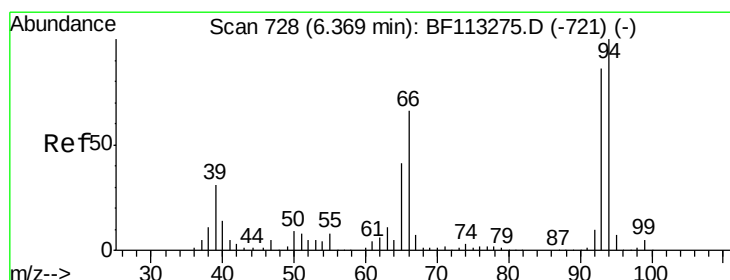
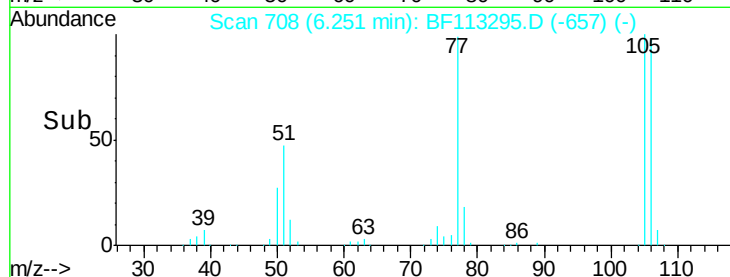
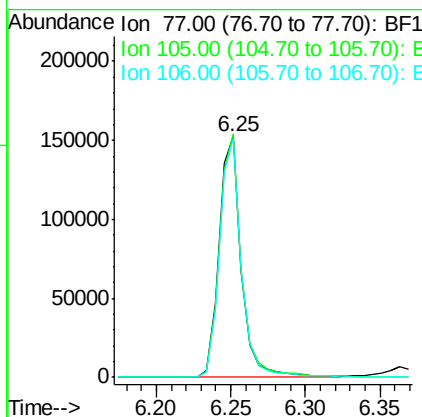
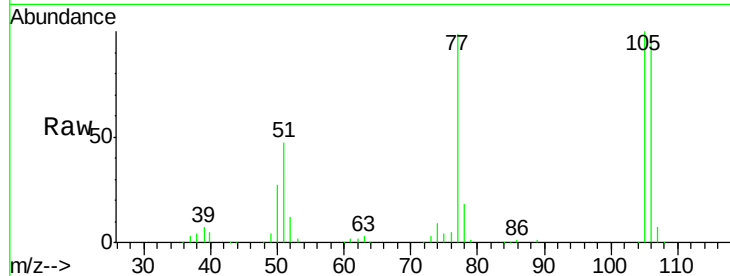
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	77	Resp:	159745
Ion	Ratio	Lower	Upper
77	100		
105	101.1	80.9	120.9
106	99.1	77.8	117.8

Manual Integrations
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#10

Phenol

Concen: 20.097 ng

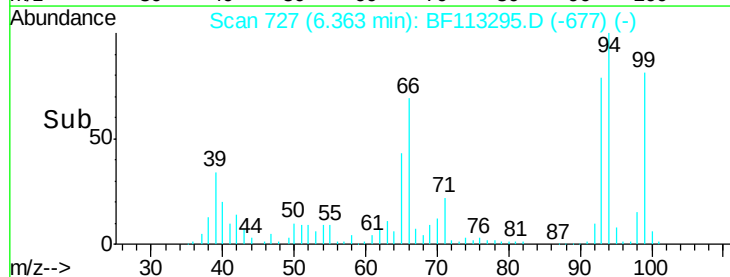
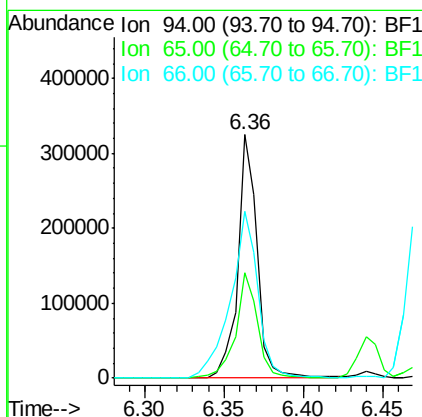
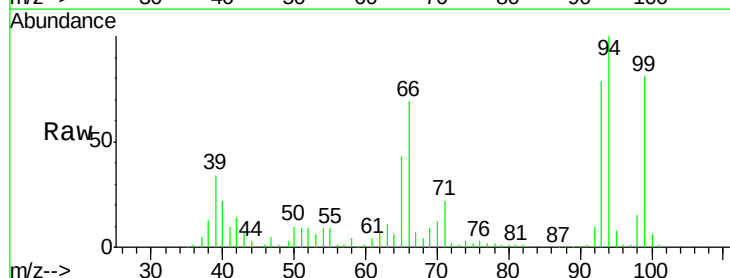
RT: 6.36 min Scan# 727

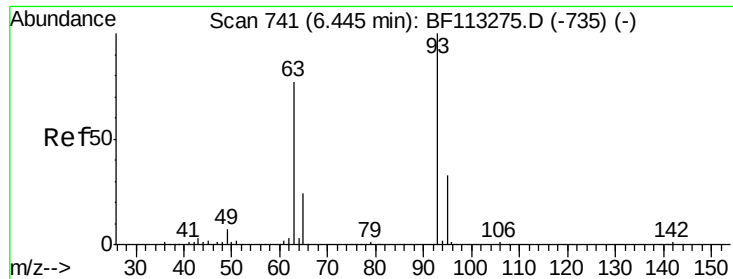
Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:	94	Resp:	276302
Ion	Ratio	Lower	Upper
94	100		
65	43.1	21.4	61.4
66	68.8	46.4	86.4





#11

bis(2-Chloroethyl)ether

Concen: 19.366 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion: 93 Resp: 204088

Ion Ratio Lower Upper

93 100

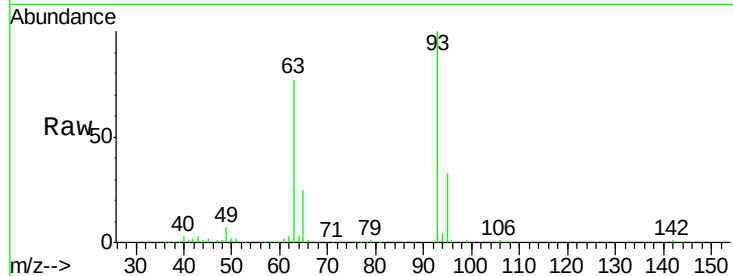
63 77.0 56.1 96.1

95 32.6 12.8 52.8

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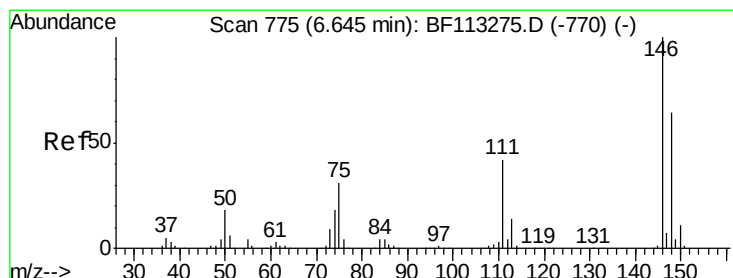
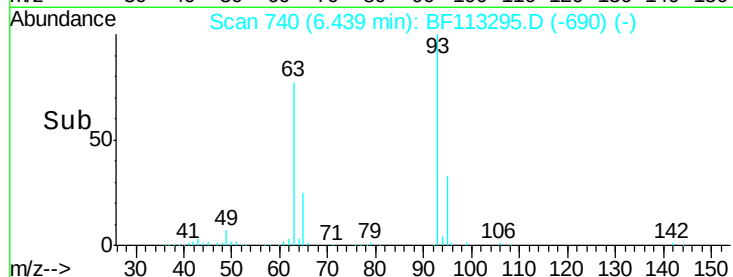
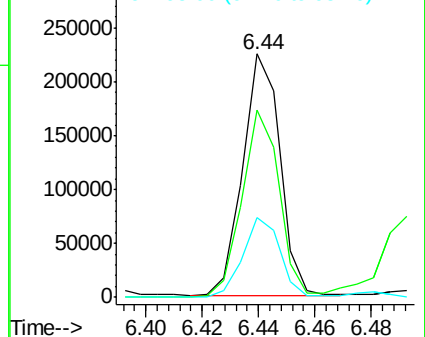


Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 20.401 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

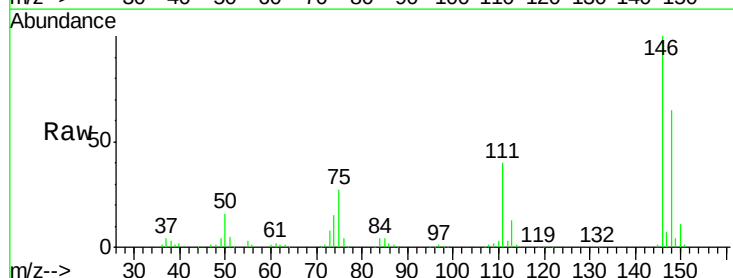
Tgt Ion: 146 Resp: 243092

Ion Ratio Lower Upper

146 100

148 64.7 51.4 77.0

75 27.4 24.8 37.2

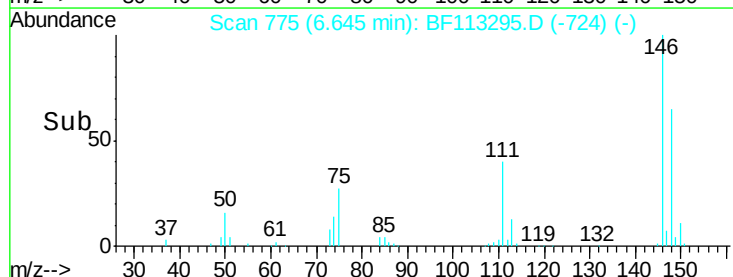
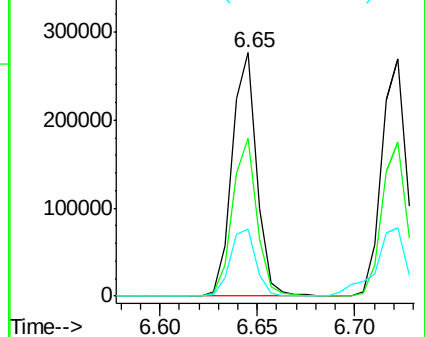


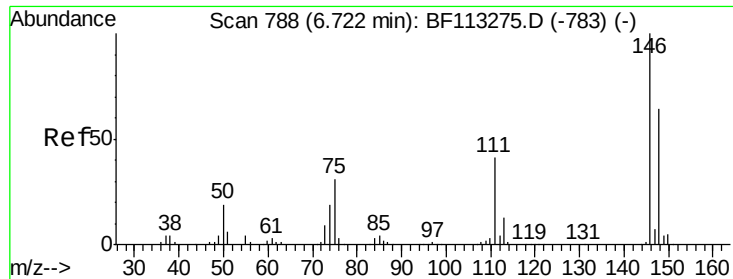
Abundance

Ion 146.00 (145.70 to 146.70): BF1

Ion 148.00 (147.70 to 148.70): BF1

Ion 75.00 (74.70 to 75.70): BF1





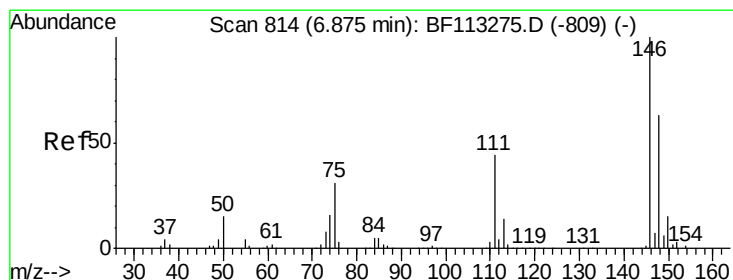
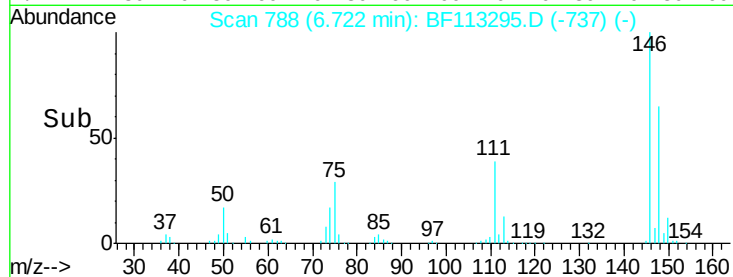
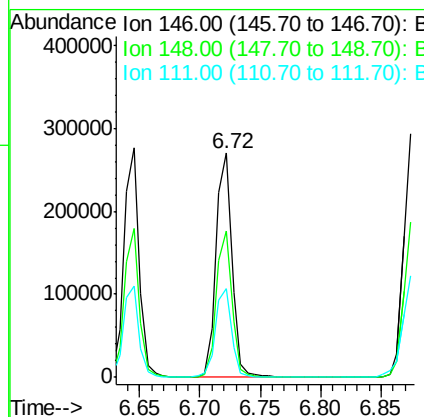
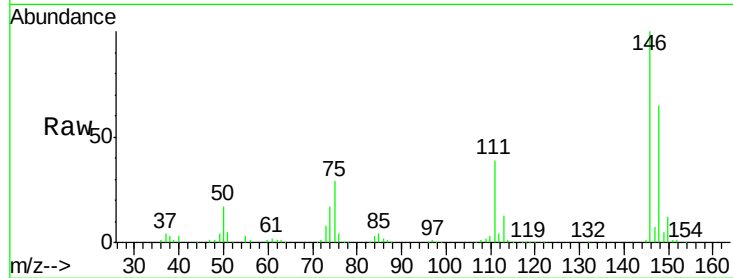
#13
1,4-Dichlorobenzene
Concen: 21.194 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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

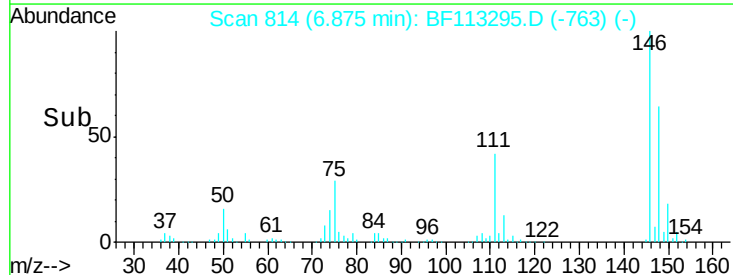
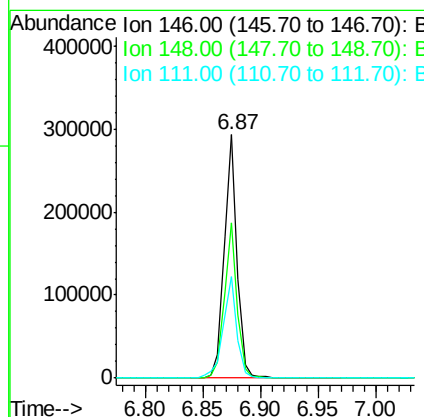
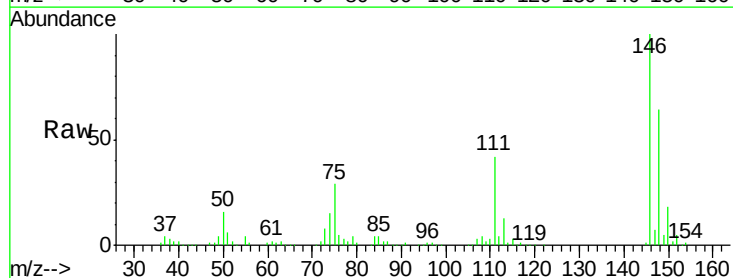
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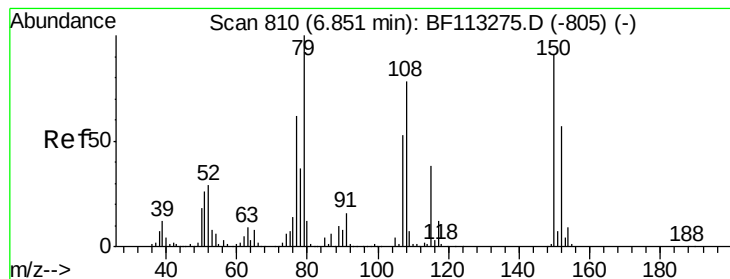
Sohil
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#14
1,2-Dichlorobenzene
Concen: 20.099 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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





#15

Benzyl Alcohol

Concen: 22.236 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

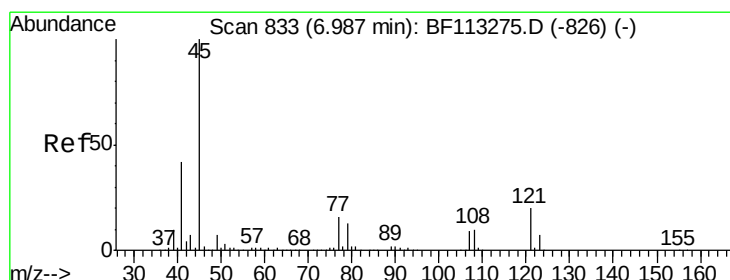
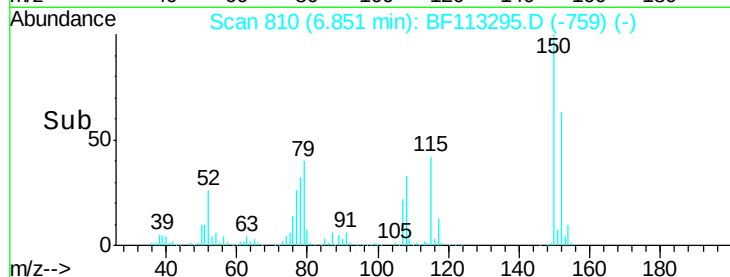
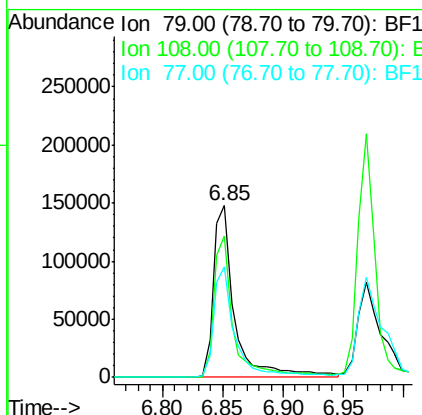
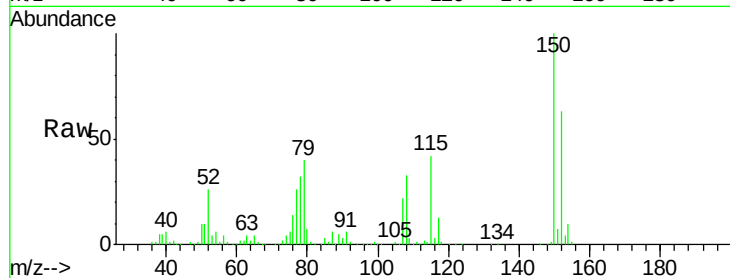
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	79	Resp:	176654
Ion	Ratio	Lower	Upper
79	100		
108	82.0	62.0	93.0
77	64.5	49.9	74.9

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.451 ng

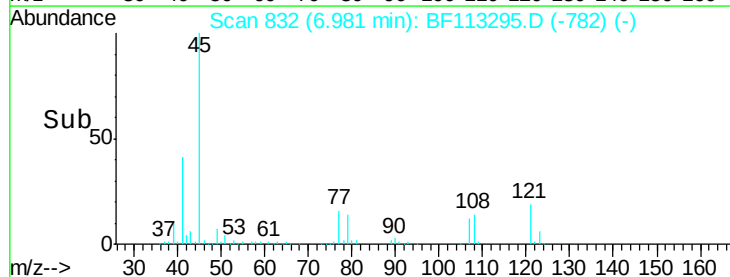
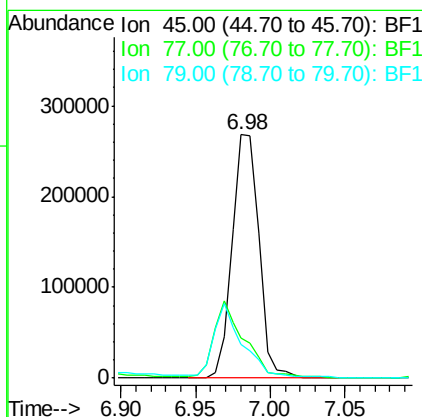
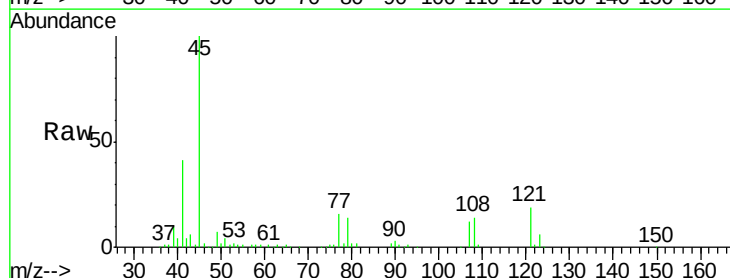
RT: 6.98 min Scan# 832

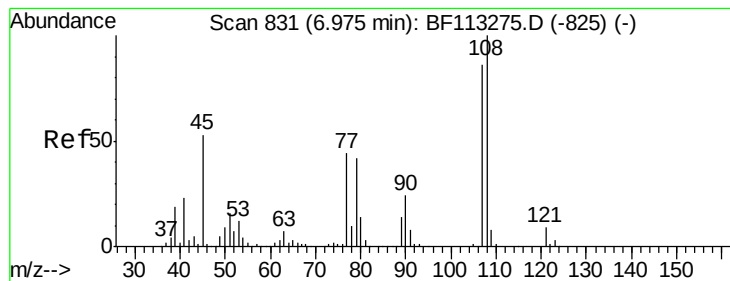
Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:	45	Resp:	339601
Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.6
79	13.7	0.0	34.0





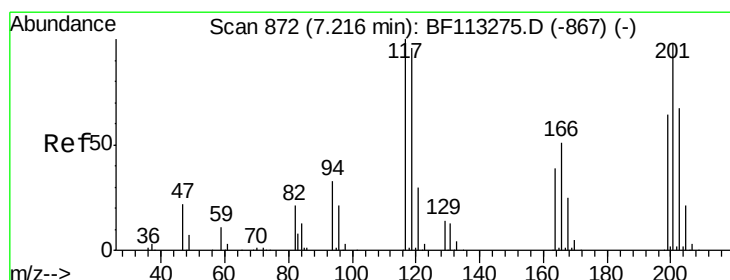
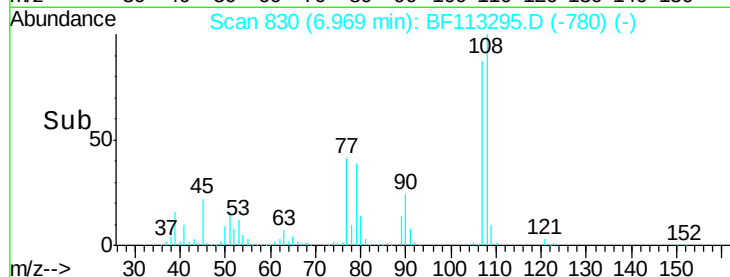
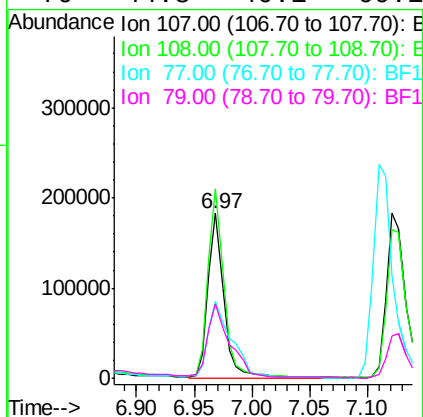
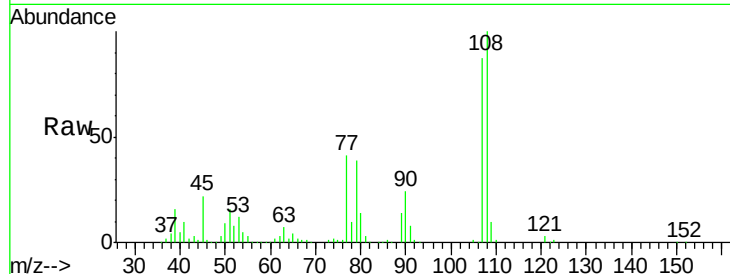
#17
2-Methylphenol
Concen: 20.577 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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

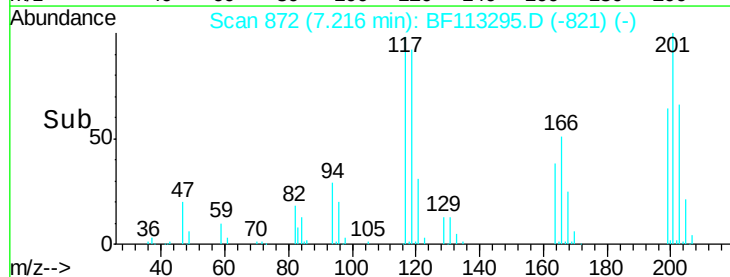
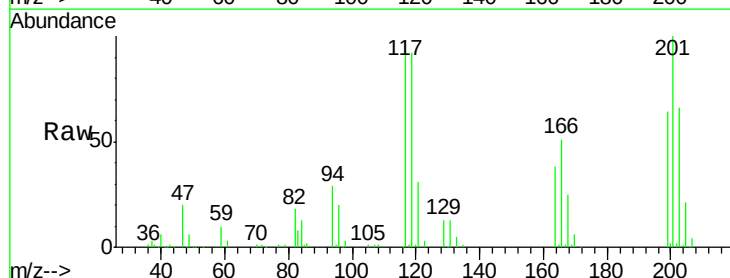
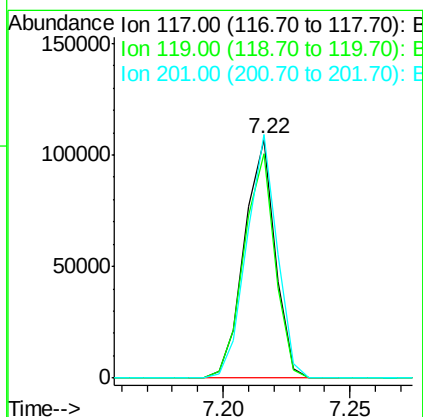
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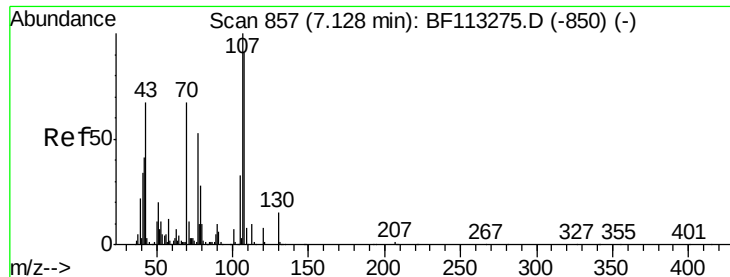
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#18
Hexachloroethane
Concen: 21.872 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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





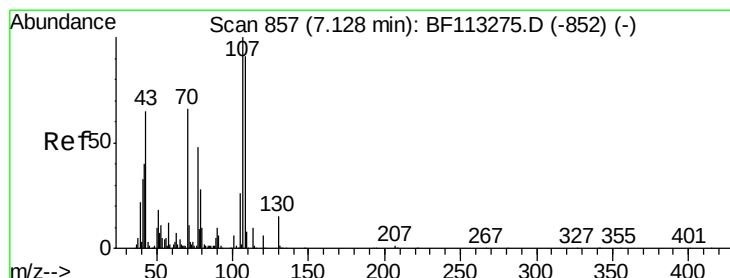
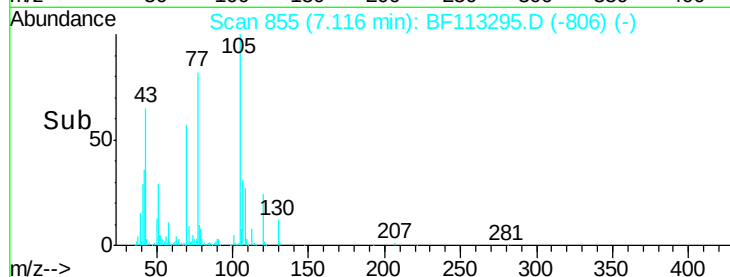
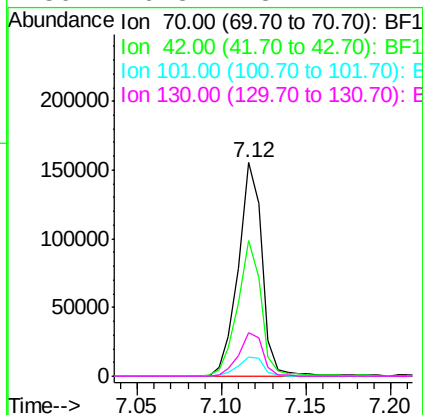
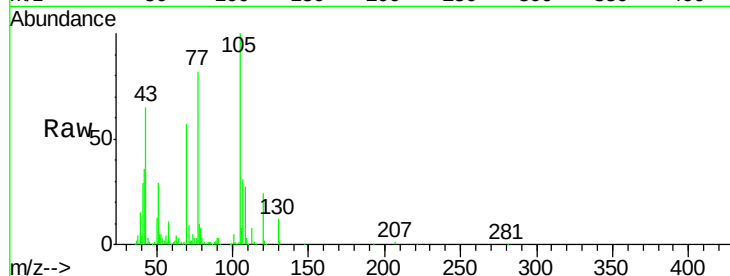
#19
n-Nitroso-di-n-propylamine
Concen: 20.287 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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

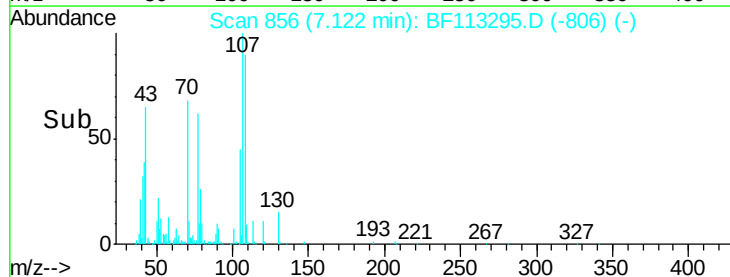
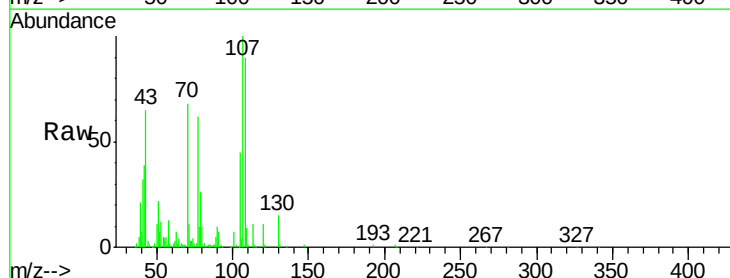
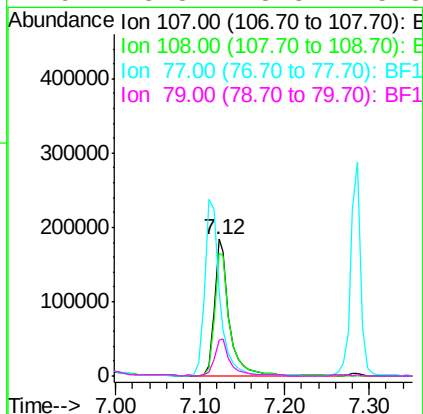
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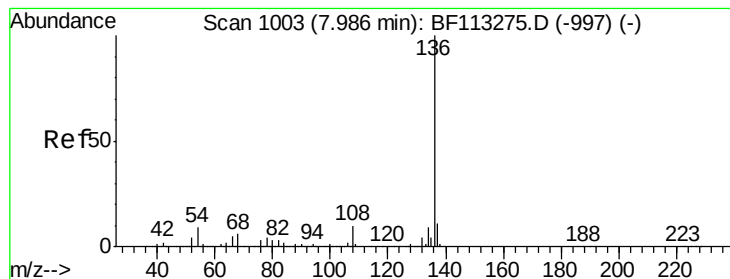
Sohil
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#20
3+4-Methylphenols
Concen: 18.298 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

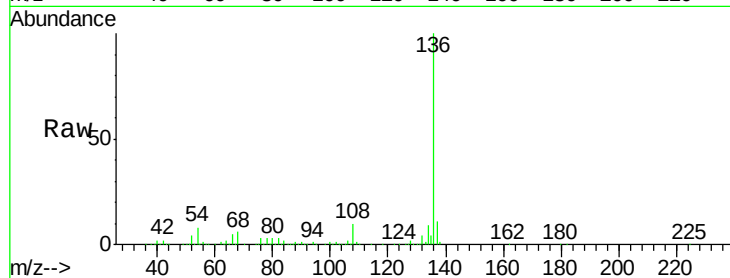
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	136	Resp:	600198
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.9	7.0	10.6
68	6.0	4.8	7.2

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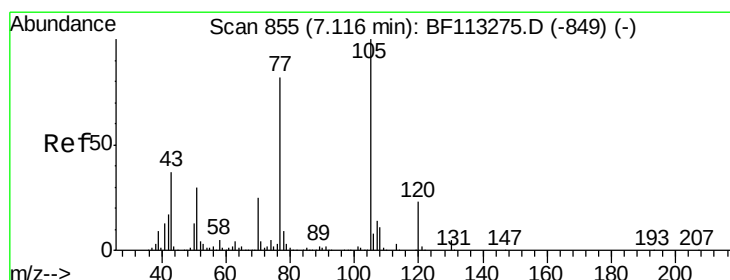
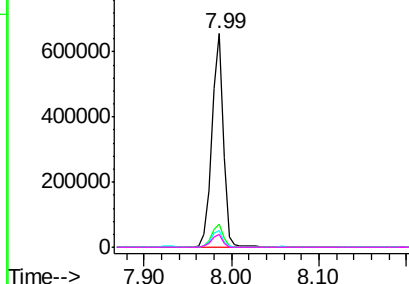
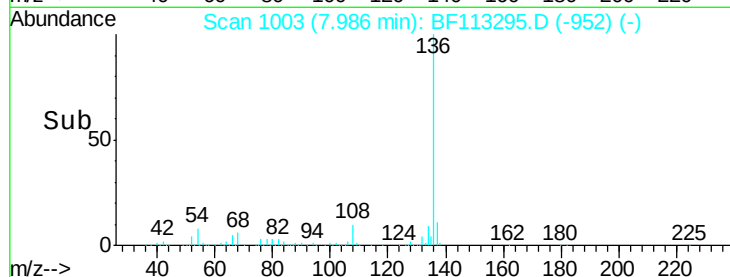


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 21.798 ng

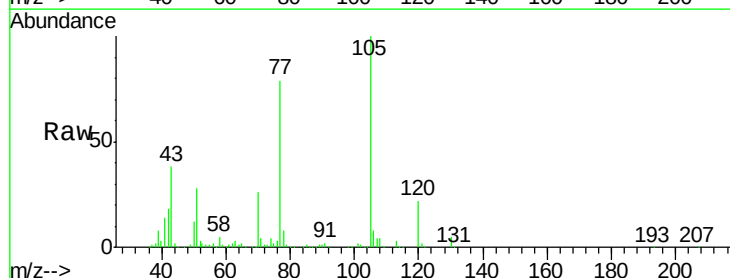
RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:	105	Resp:	298362
Ion Ratio	Lower	Upper	
105	100		
71	4.3	3.3	4.9
51	28.3	24.2	36.2
120	21.8	18.1	27.1

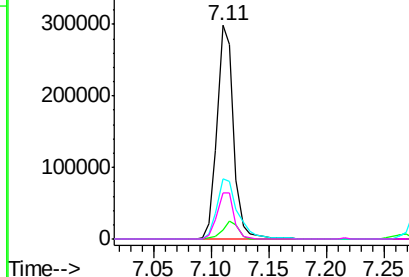
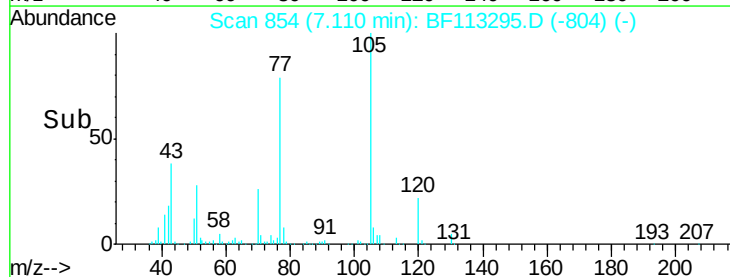


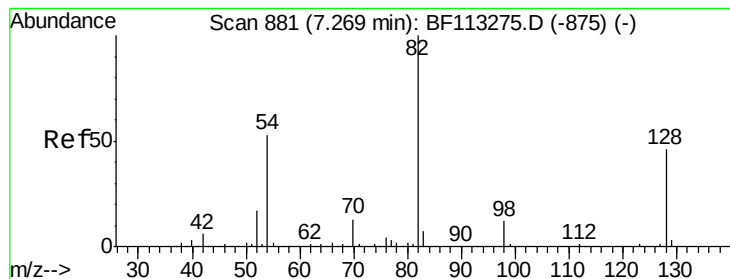
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 88.314 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

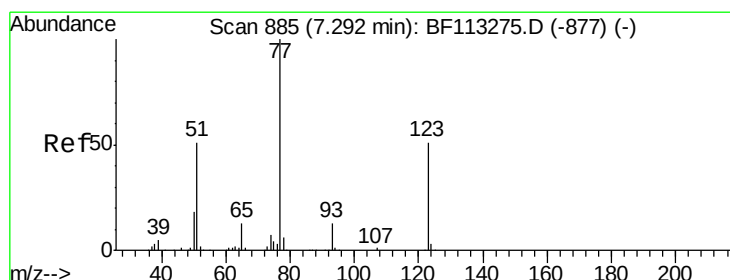
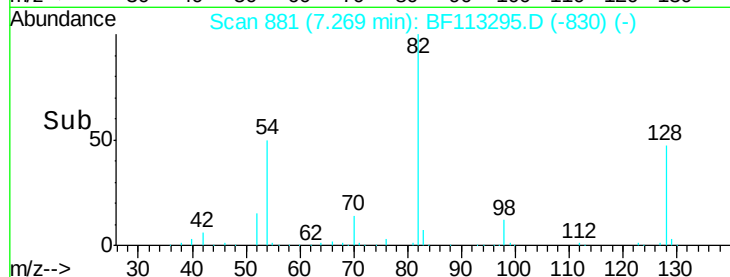
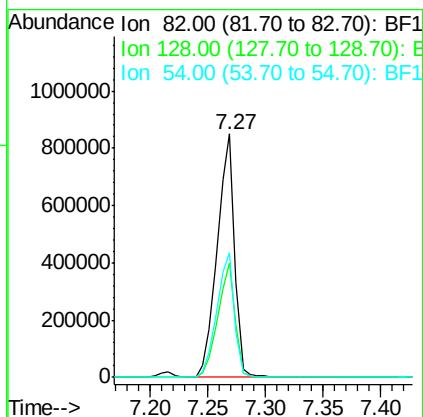
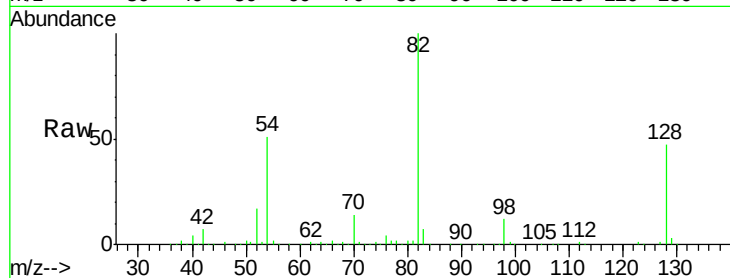
ClientSampleId :

LOQ-SOIL-02-QT1-2019

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

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#24

Nitrobenzene

Concen: 22.642 ng

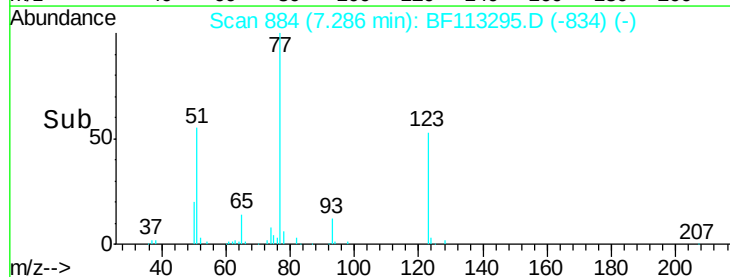
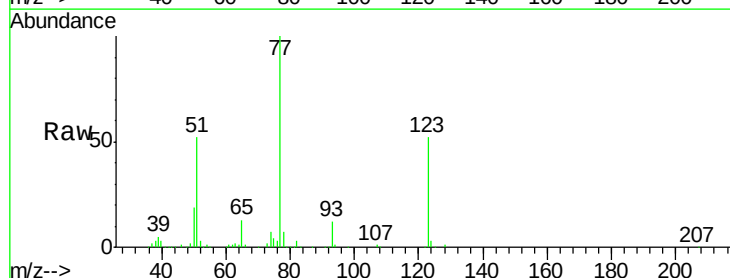
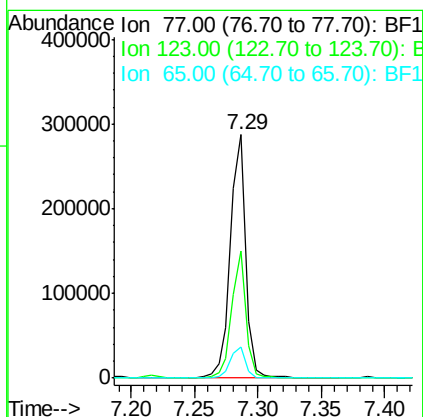
RT: 7.29 min Scan# 884

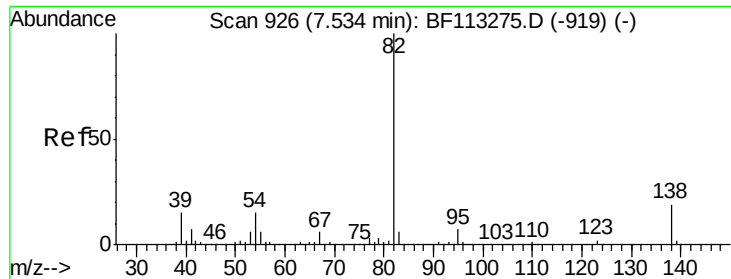
Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

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





#25

Isophorone

Concen: 20.382 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

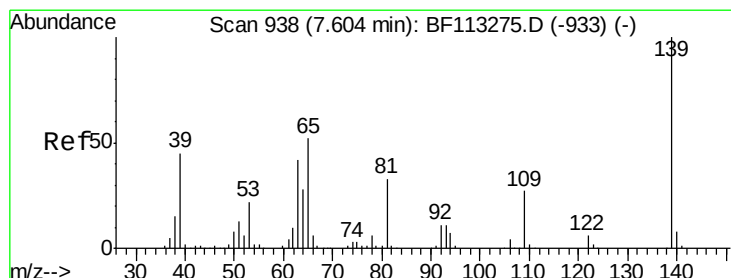
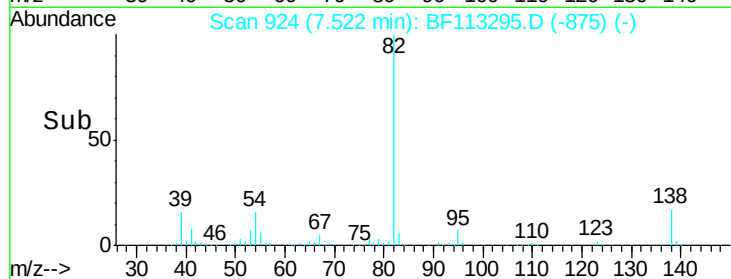
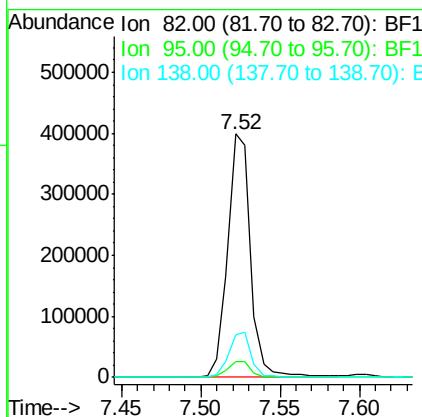
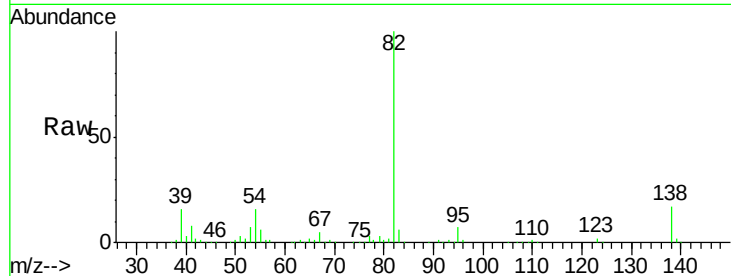
ClientSampleId :

LOQ-SOIL-02-QT1-2019

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

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#26

2-Nitrophenol

Concen: 21.035 ng

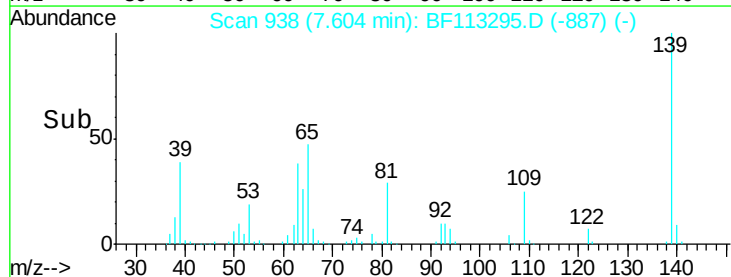
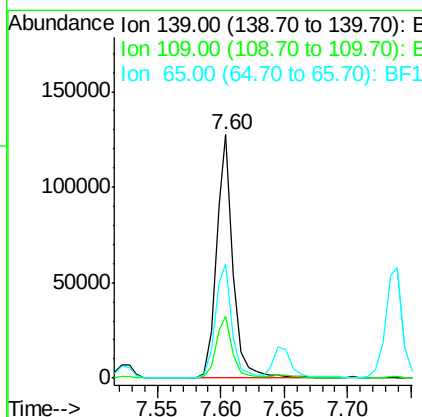
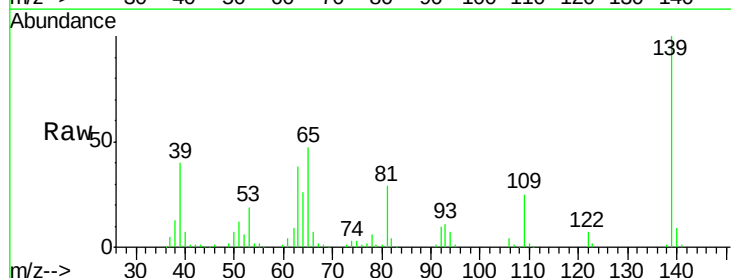
RT: 7.60 min Scan# 938

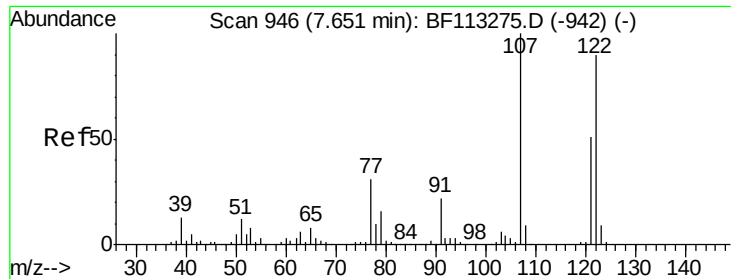
Delta R.T. -0.00 min

Lab File: BF113295.D

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





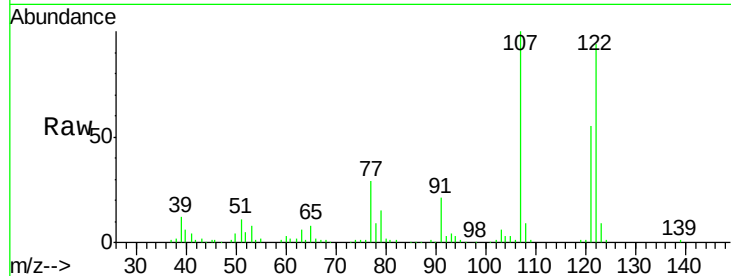
#27
2,4-Dimethylphenol
Concen: 21.254 ng
RT: 7.65 min Scan# 946
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

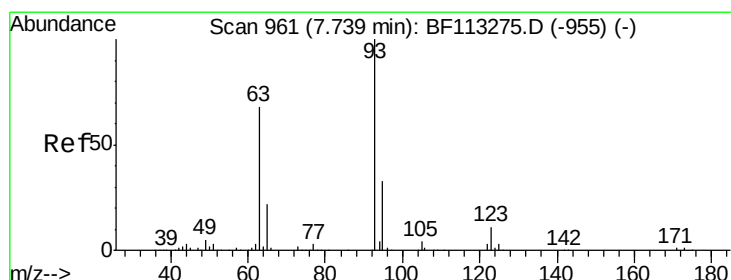
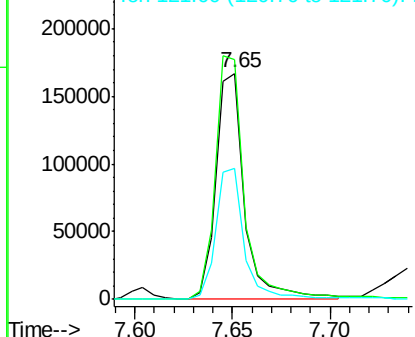
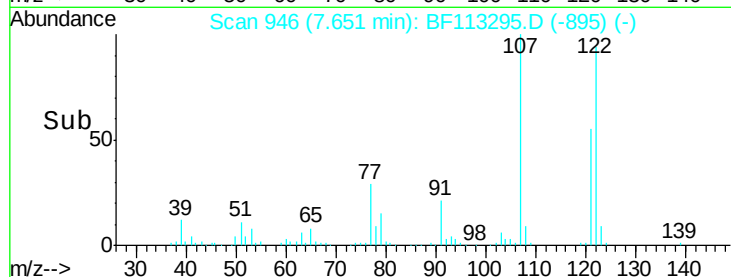
Tgt Ion	Ratio	Resp	Lower	Upper
122	100	170529		
107	106.1	88.8	133.2	
121	58.2	45.5	68.3	

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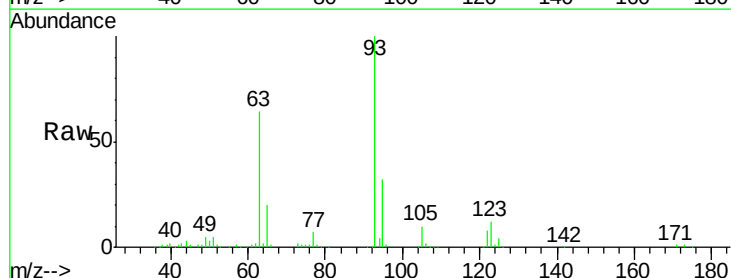


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

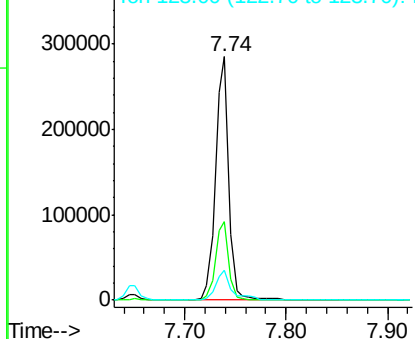
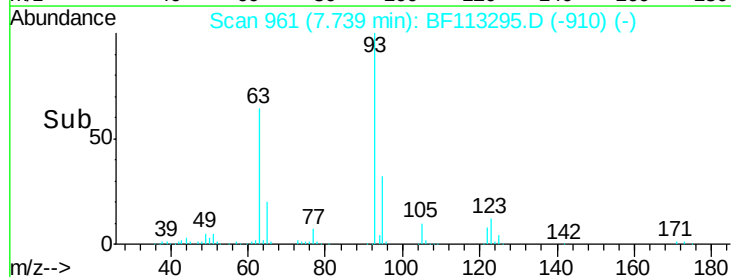


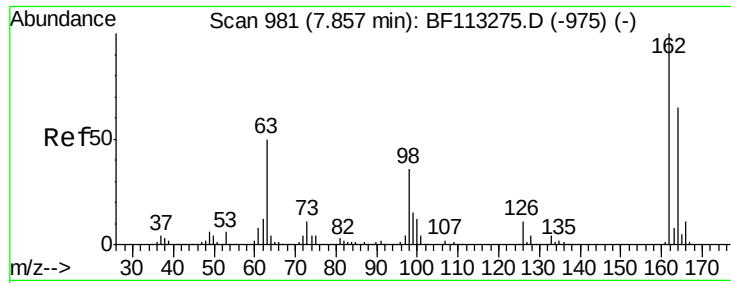
#28
bis(2-Chloroethoxy)methane
Concen: 20.956 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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



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





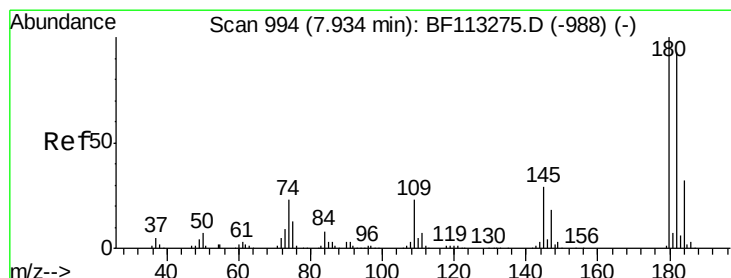
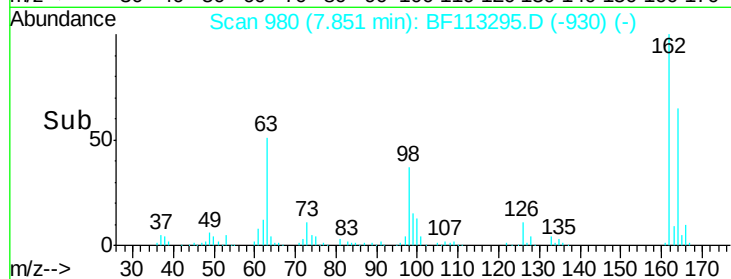
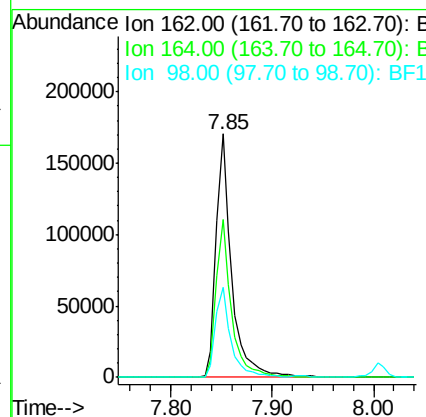
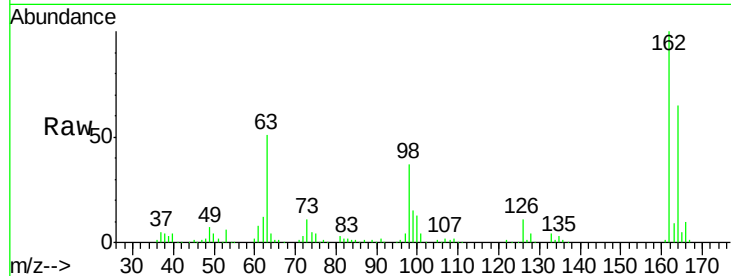
#29
2,4-Dichlorophenol
Concen: 21.094 ng
RT: 7.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	183410		
164	64.6	44.6	84.6	
98	37.1	15.6	55.6	

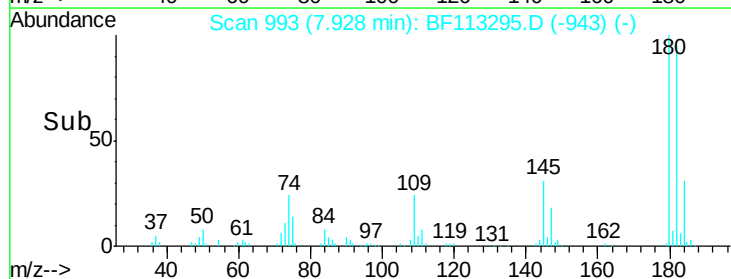
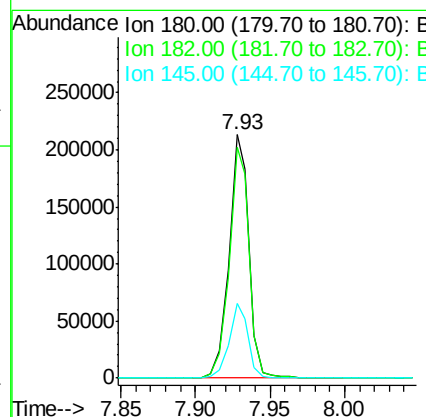
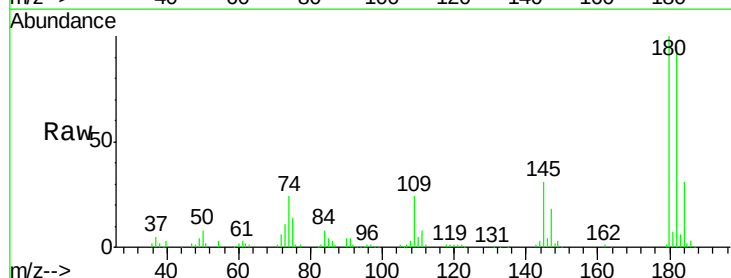
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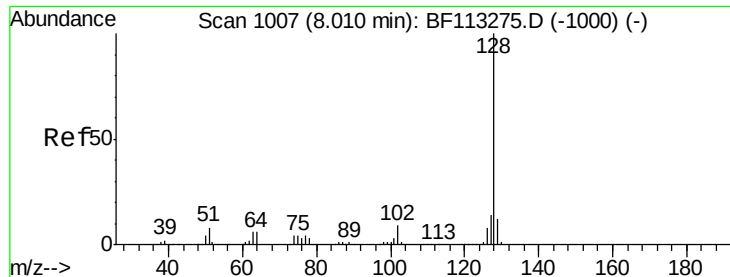
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#30
1,2,4-Trichlorobenzene
Concen: 21.417 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	200912		
182	95.0	74.6	111.8	
145	30.6	23.4	35.0	





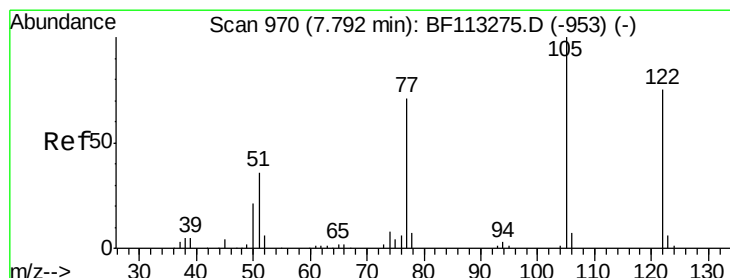
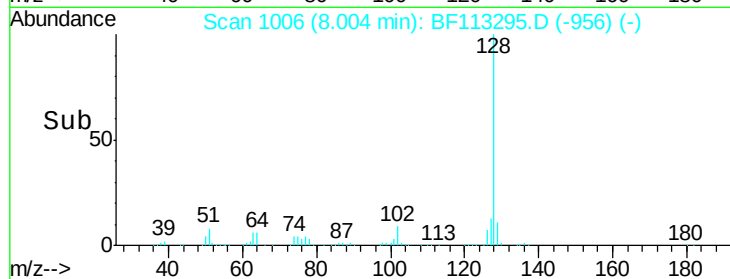
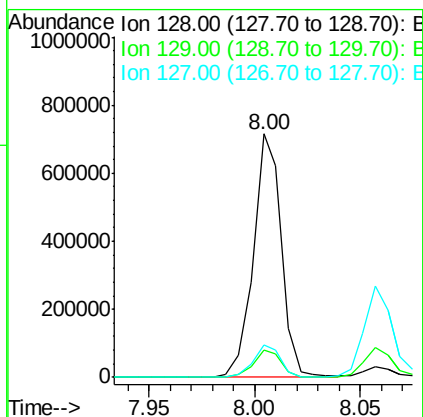
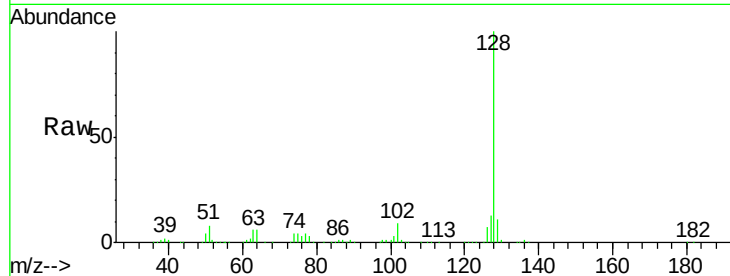
#31
Naphthalene
Concen: 22.545 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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

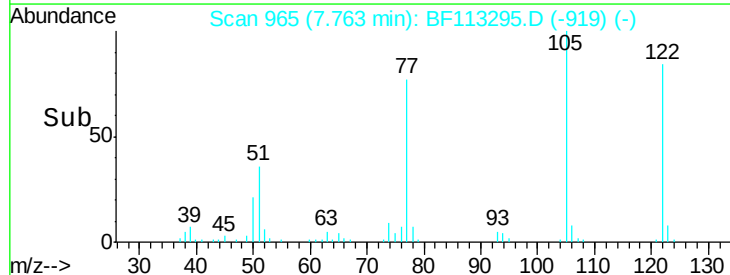
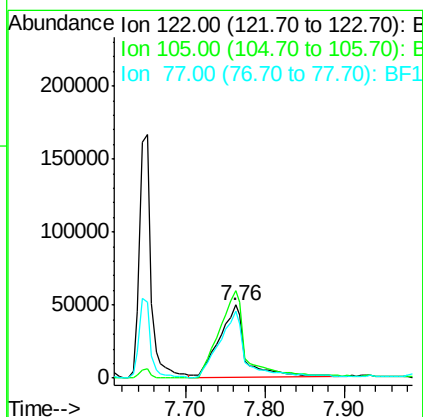
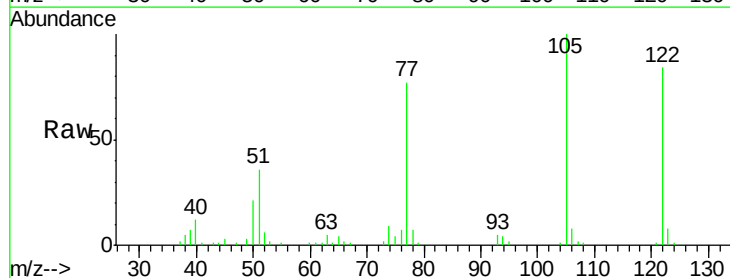
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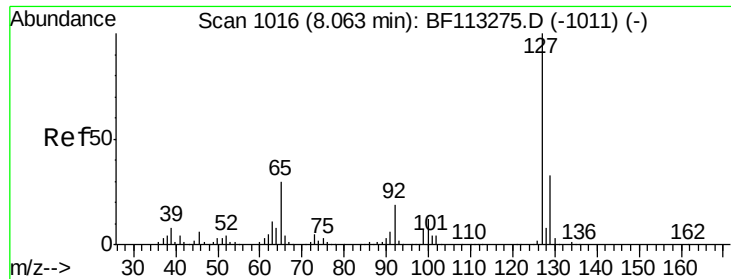
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#32
Benzoic acid
Concen: 17.345 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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





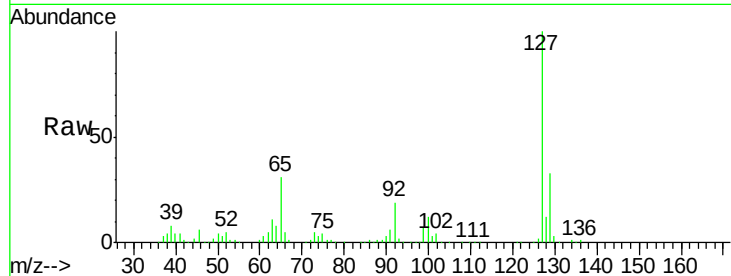
#33
4-Chloroaniline
Concen: 23.411 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

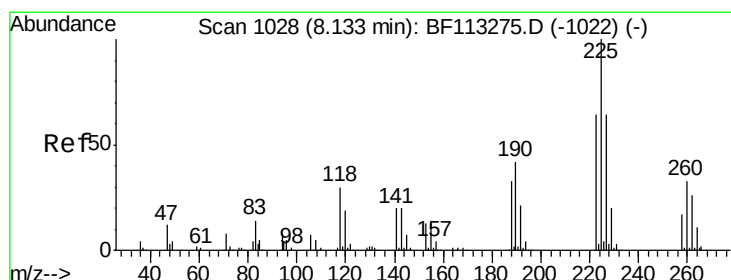
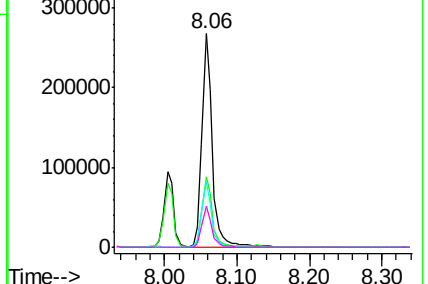
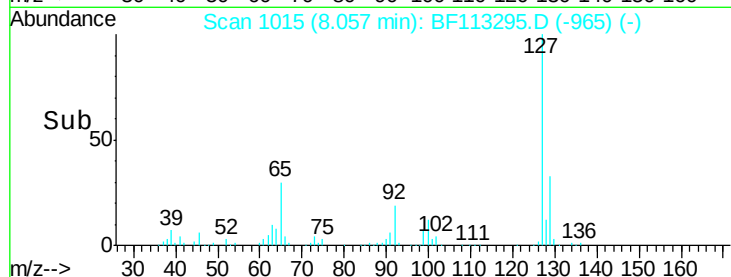
Tgt Ion	Ratio	Resp	Lower	Upper
127	100	267760		
129	32.9	26.3	39.5	
65	30.5	24.2	36.4	
92	18.9	15.0	22.6	

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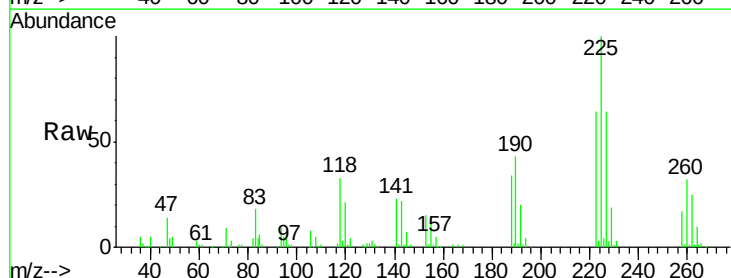


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

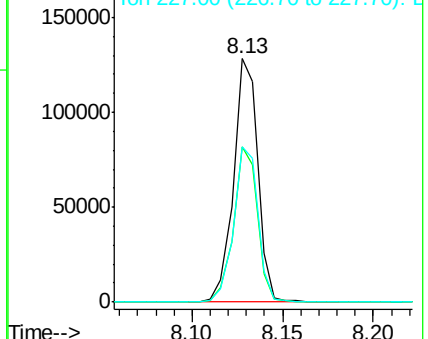
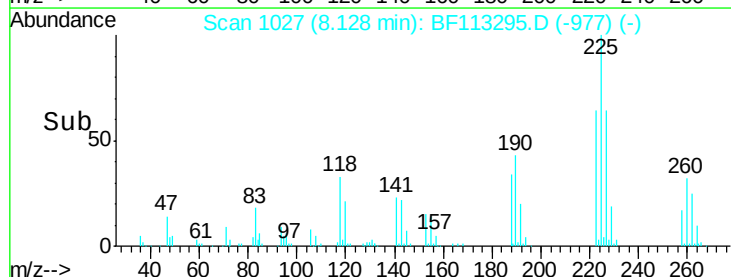


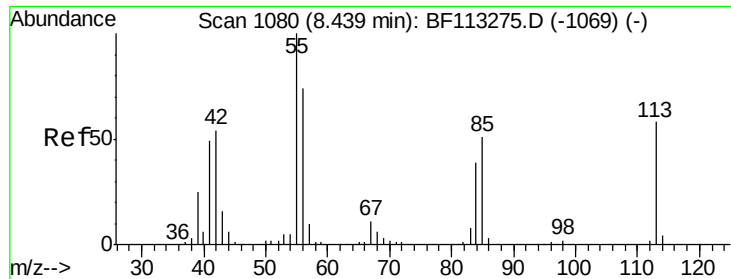
#34
Hexachlorobutadiene
Concen: 21.415 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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





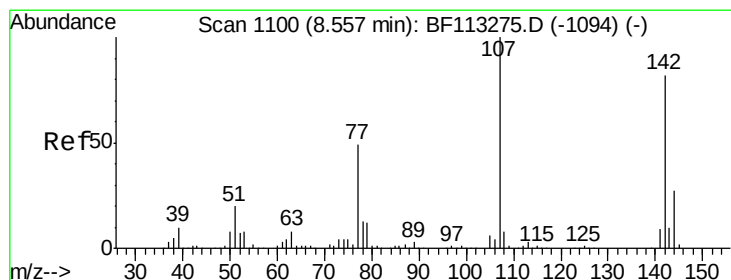
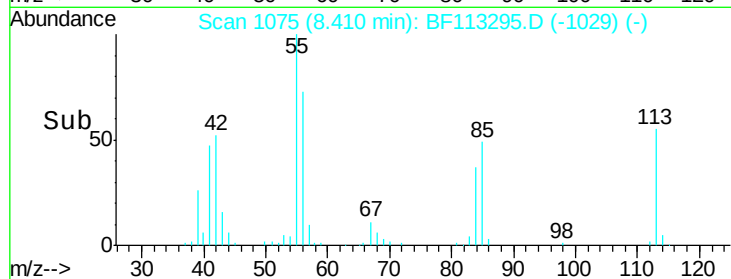
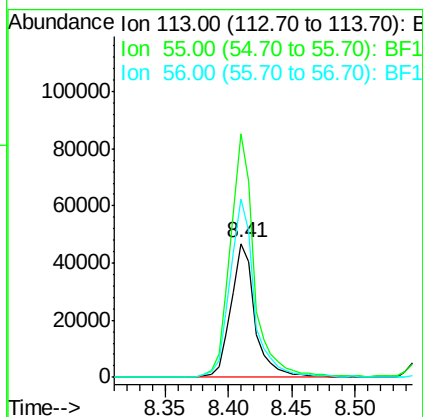
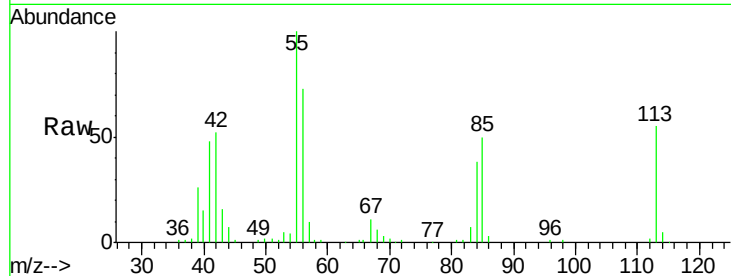
#35
 Caprolactam
 Concen: 21.829 ng
 RT: 8.41 min Scan# 1075
 Delta R.T. -0.03 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

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

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

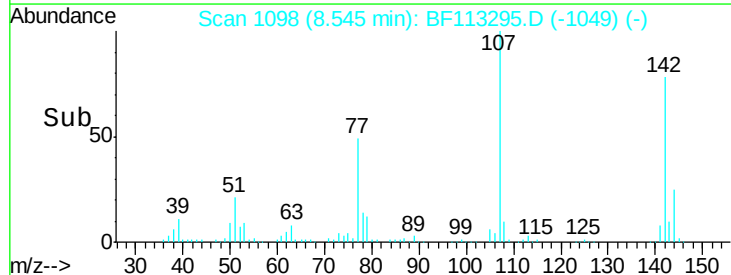
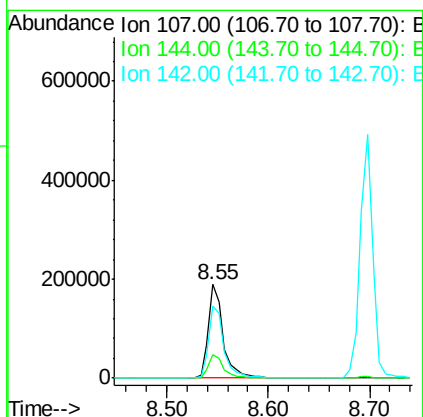
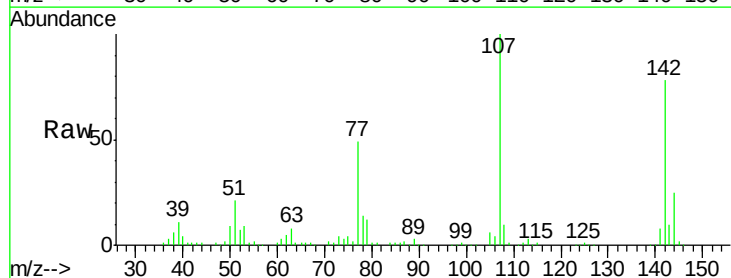
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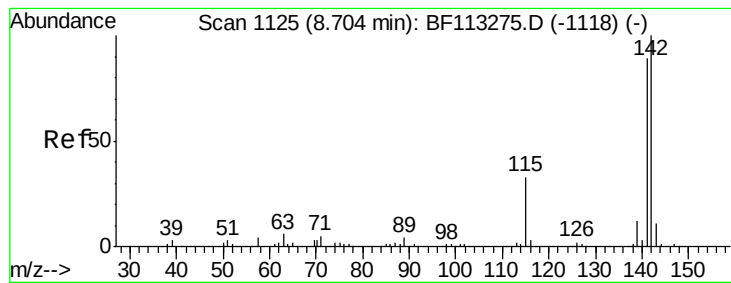
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#36
 4-Chloro-3-methylphenol
 Concen: 22.005 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

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





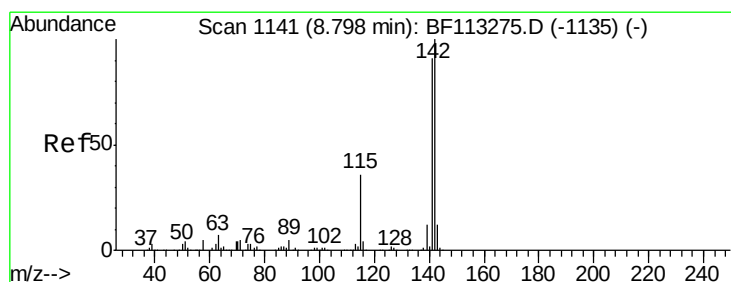
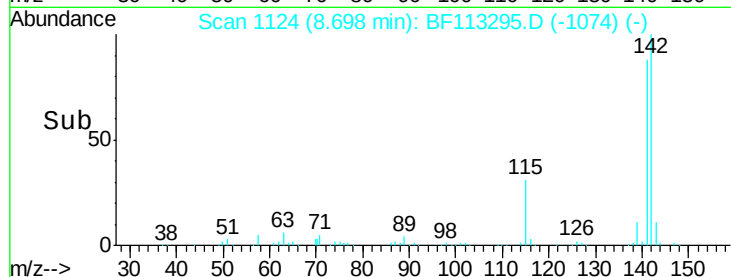
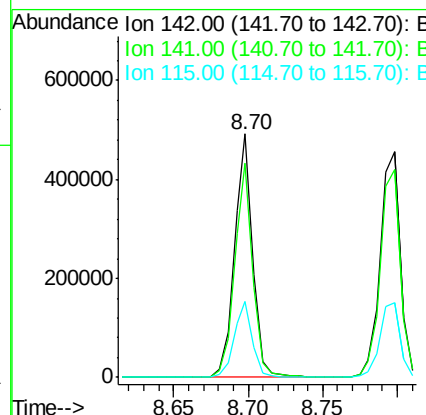
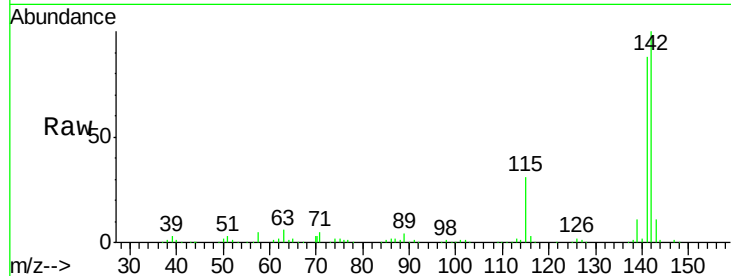
#37
 2-Methylnaphthalene
 Concen: 23.239 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

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

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	425294		
141	87.8	71.0	106.6	
115	31.4	26.6	39.8	

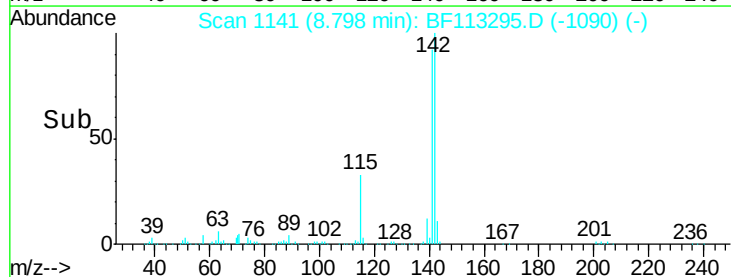
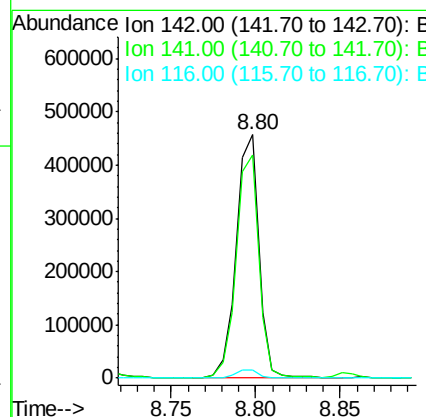
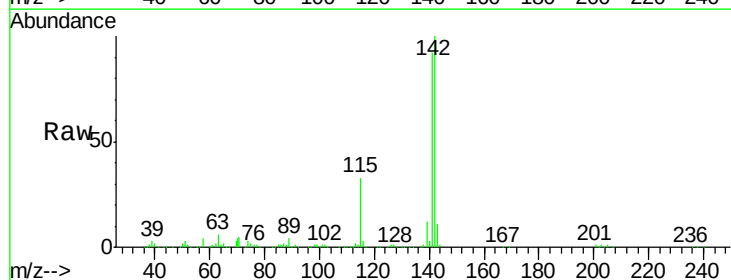
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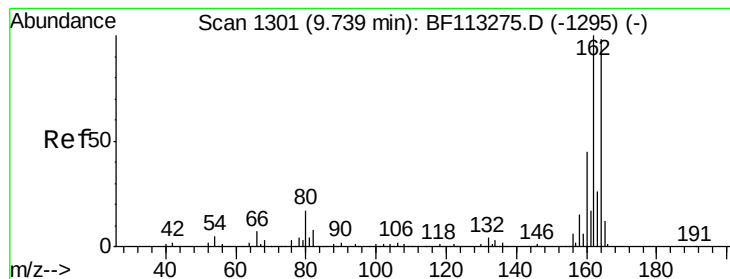
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#38
 1-Methylnaphthalene
 Concen: 23.872 ng
 RT: 8.80 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	420222		
141	91.9	73.2	109.8	
116	3.4	3.0	4.4	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

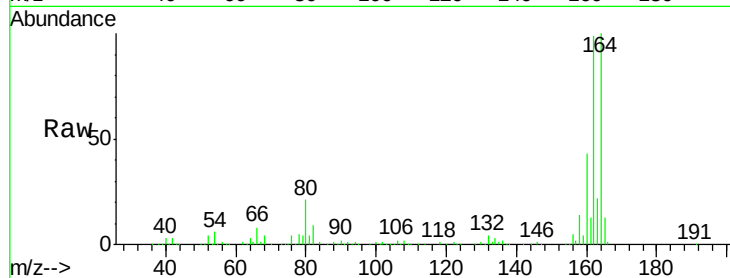
ClientSampleId :

LOQ-SOIL-02-QT1-2019

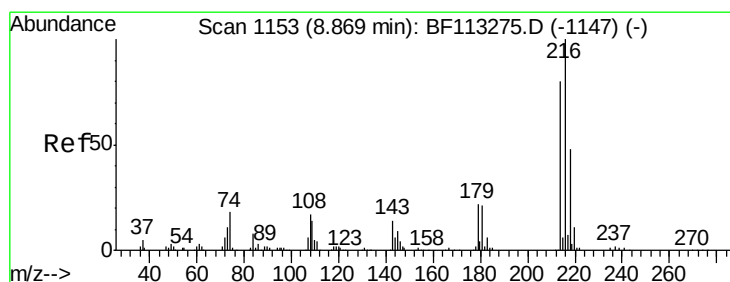
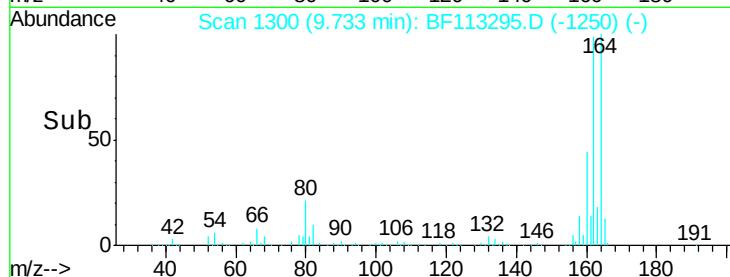
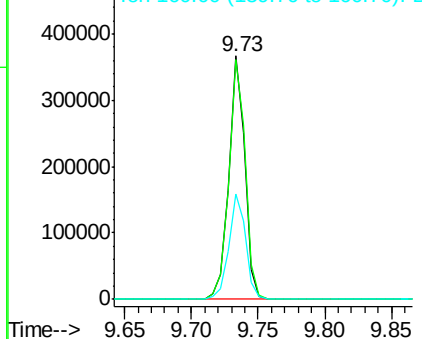
Tgt Ion:	164	Resp:	310889
Ion Ratio		Lower	Upper
164	100		
162	98.6	81.8	122.6
160	43.5	36.4	54.6

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.950 ng

RT: 8.87 min Scan# 1153

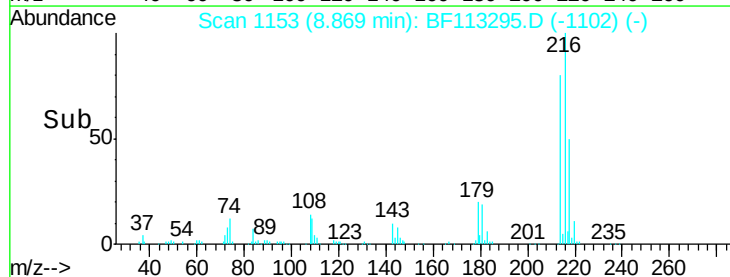
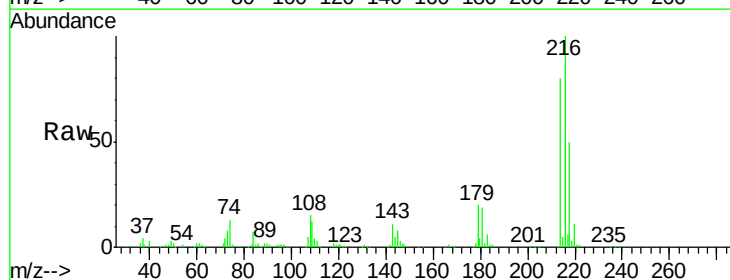
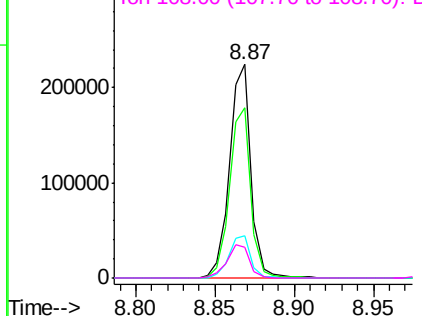
Delta R.T. -0.00 min

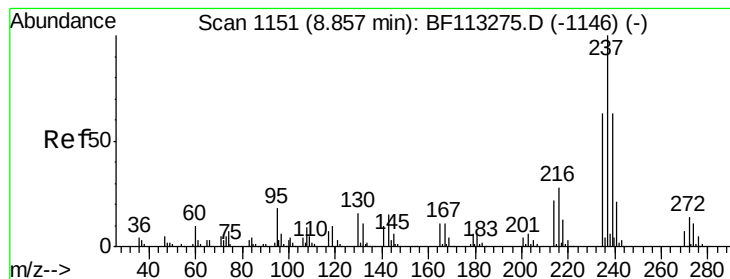
Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:	216	Resp:	209070
Ion Ratio		Lower	Upper
216	100		
214	79.4	63.0	94.6
179	20.2	16.8	25.2
108	16.8	13.8	20.6

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





#41

Hexachlorocyclopentadiene

Concen: 14.904 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

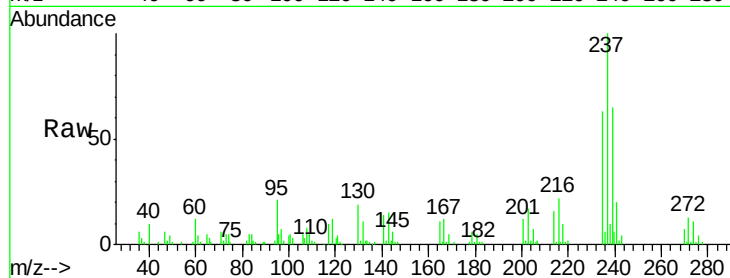
ClientSampleId :

LOQ-SOIL-02-QT1-2019

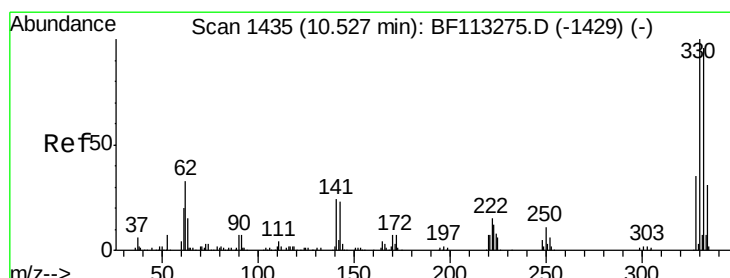
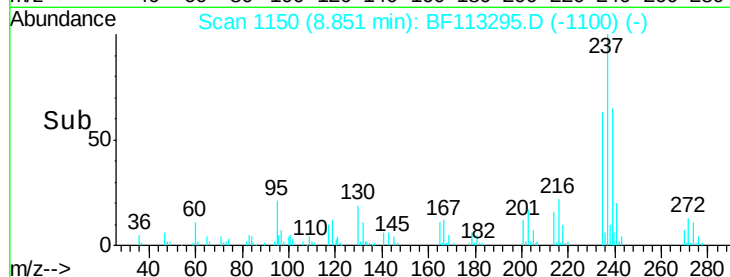
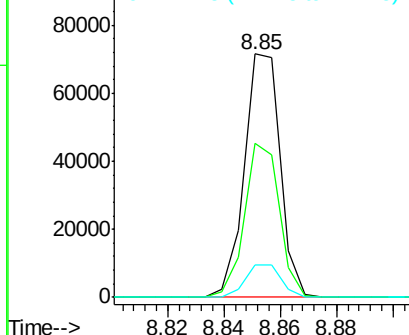
Tgt Ion:	237	Resp:	62954
Ion Ratio	Lower	Upper	
237	100		
235	63.2	43.4	83.4
272	13.4	0.0	33.7

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



#42

2,4,6-Tribromophenol

Concen: 125.539 ng

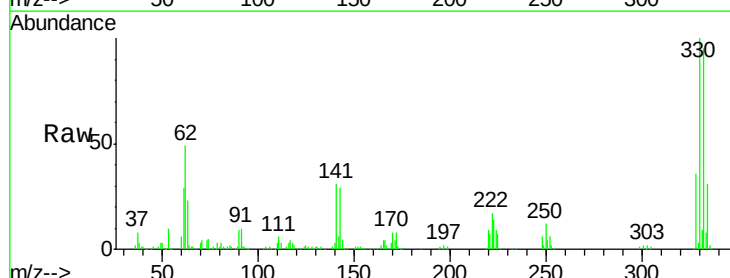
RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

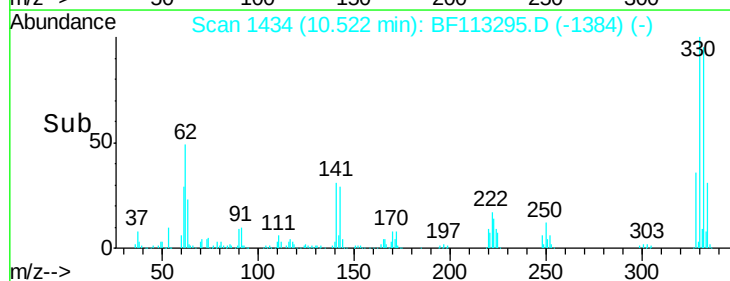
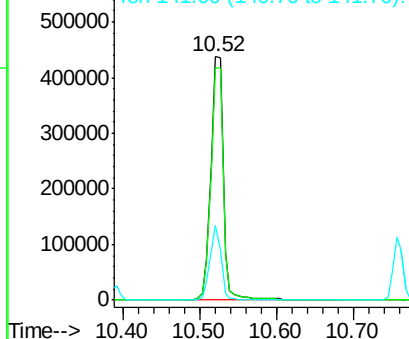
Lab File: BF113295.D

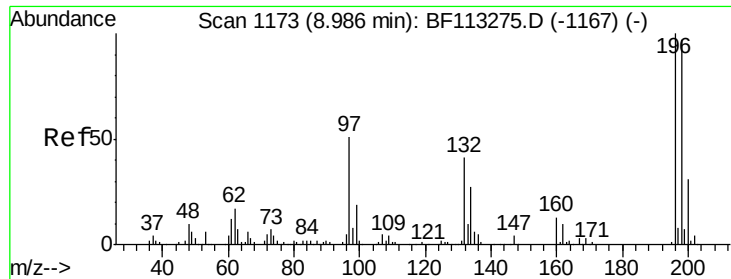
Acq: 26 Mar 2019 16:58

Tgt Ion:	330	Resp:	482092
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.8	116.6
141	27.9	22.7	34.1



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





#43

2,4,6-Trichlorophenol

Concen: 20.360 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

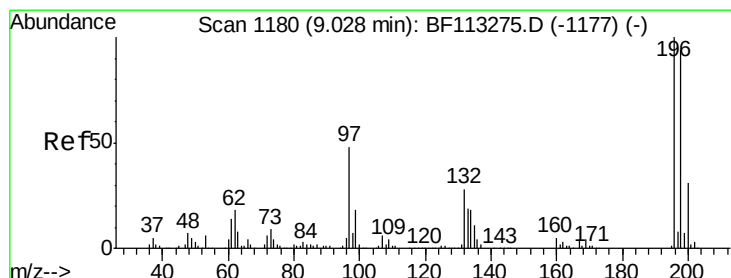
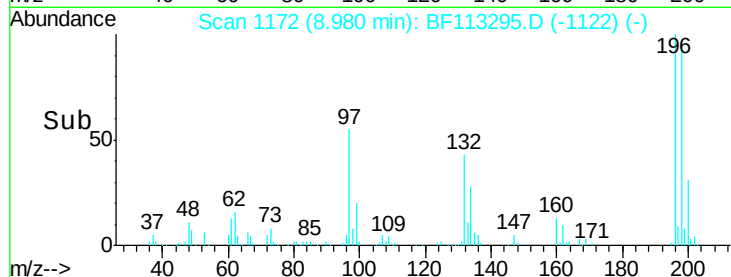
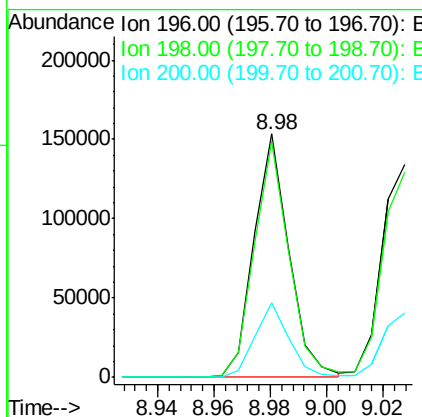
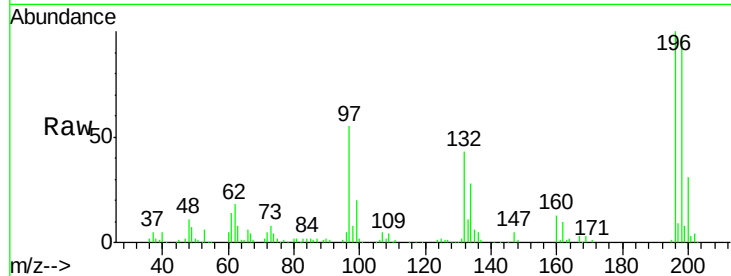
ClientSampleId :

LOQ-SOIL-02-QT1-2019

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

Manual Integrations
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#44

2,4,5-Trichlorophenol

Concen: 20.286 ng

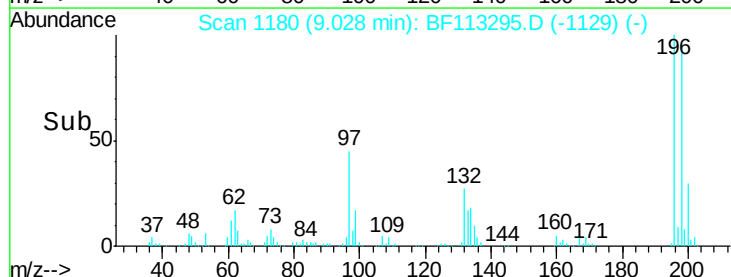
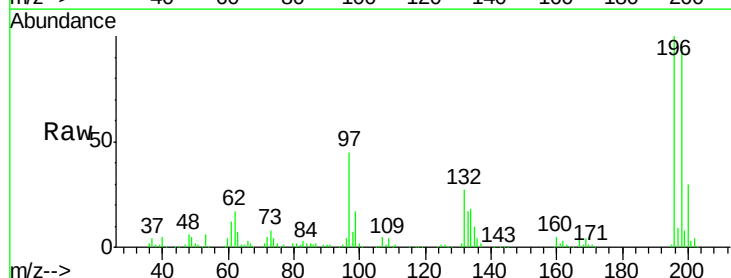
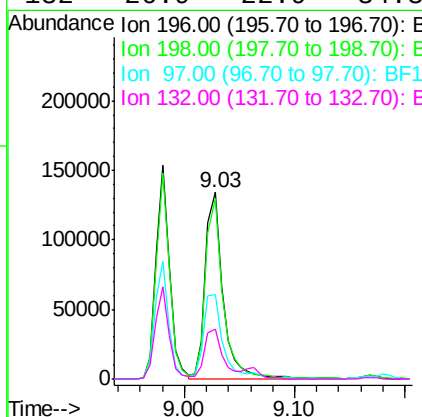
RT: 9.03 min Scan# 1180

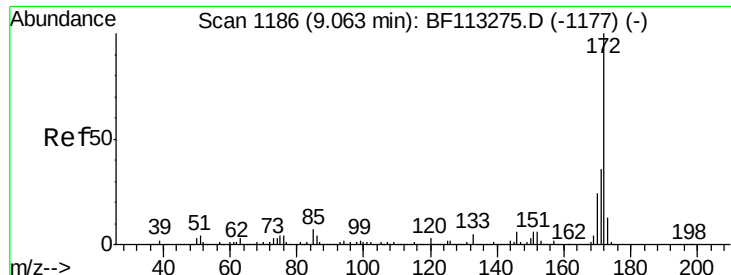
Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

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





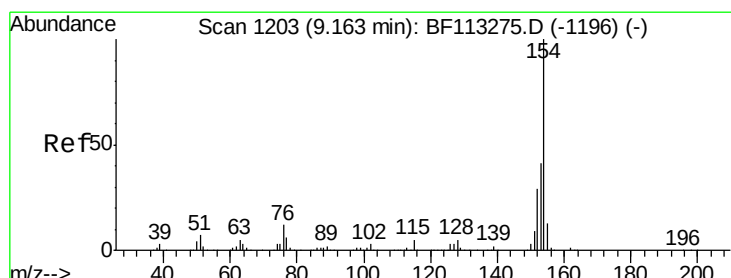
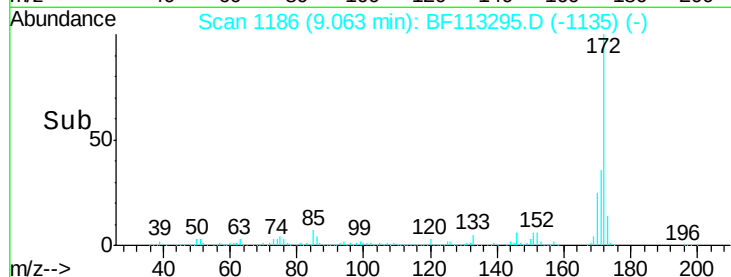
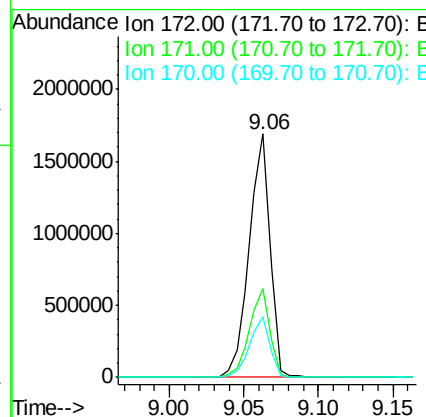
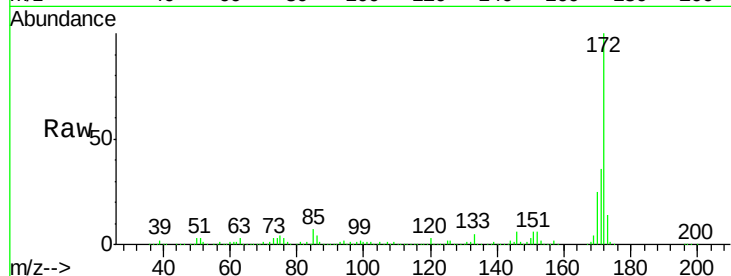
#45
2-Fluorobiphenyl
Concen: 81.664 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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

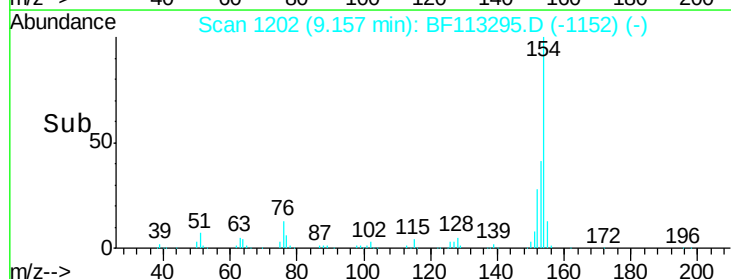
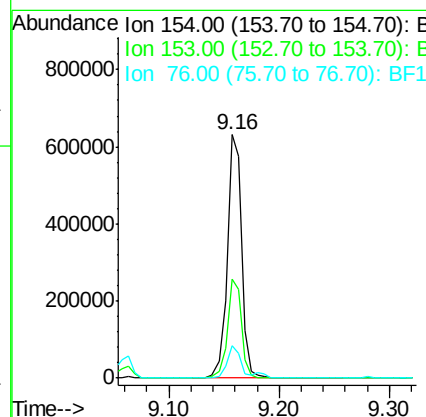
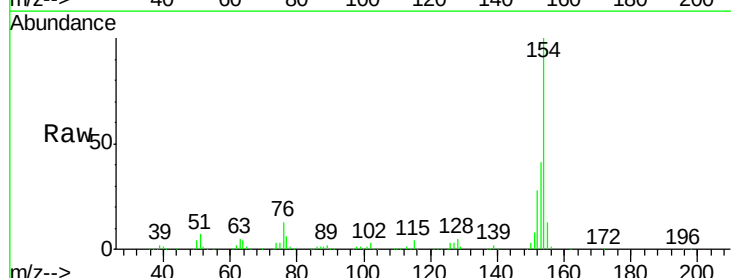
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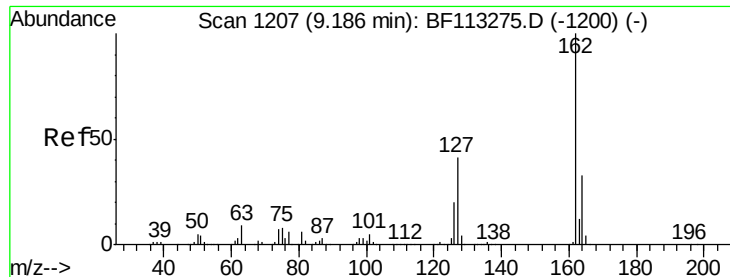
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#46
1,1'-Biphenyl
Concen: 22.025 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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





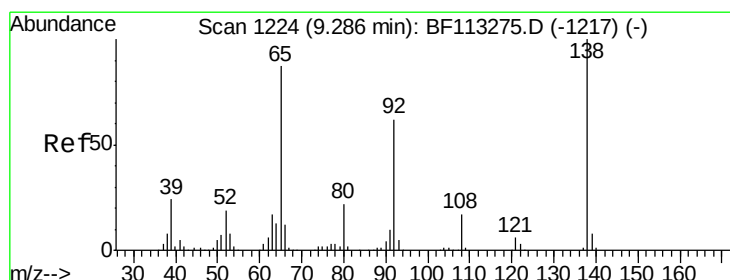
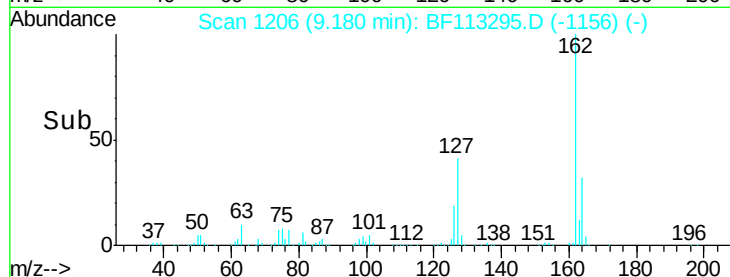
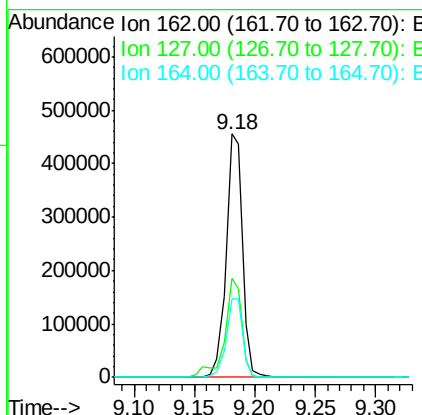
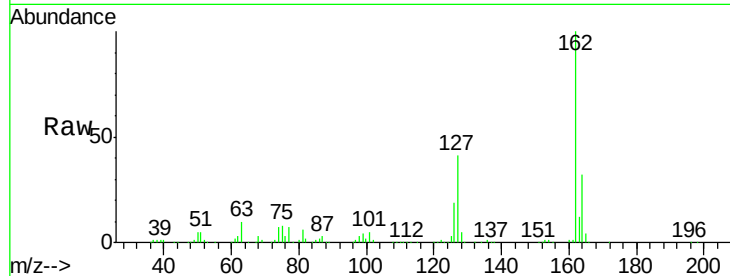
#47
 2-Chloronaphthalene
 Concen: 21.369 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

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

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

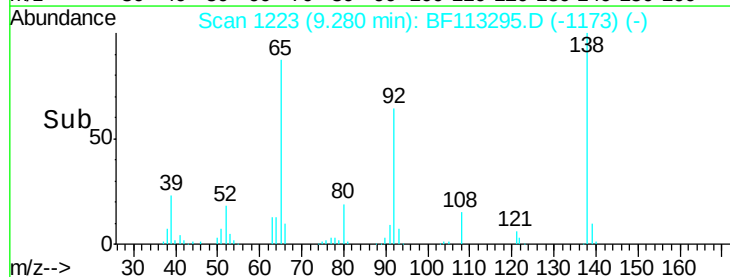
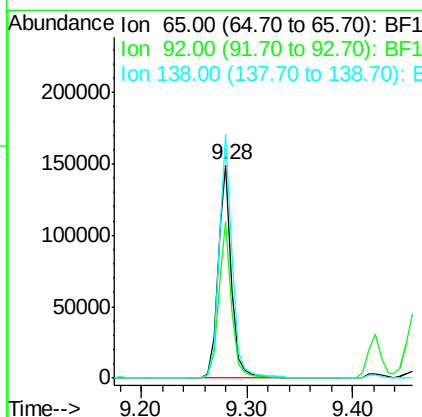
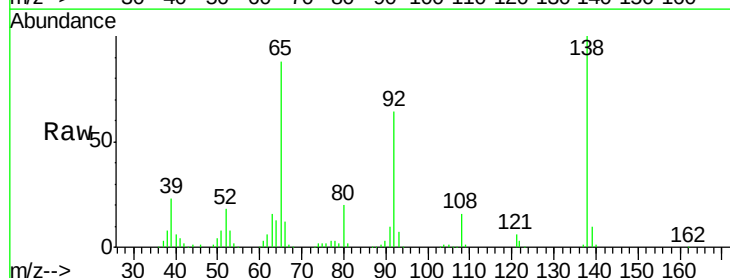
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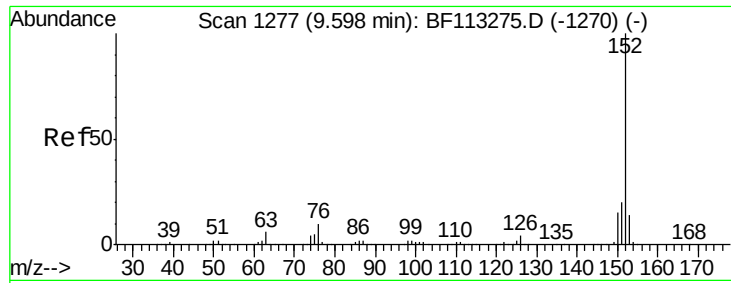
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#48
 2-Nitroaniline
 Concen: 21.547 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

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





#49

Acenaphthylene

Concen: 22.594 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

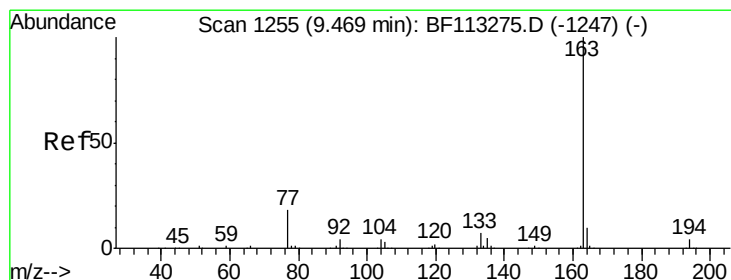
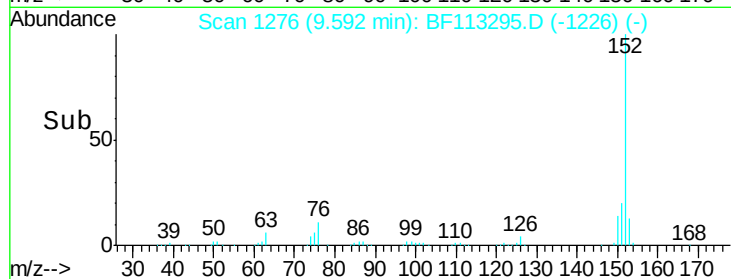
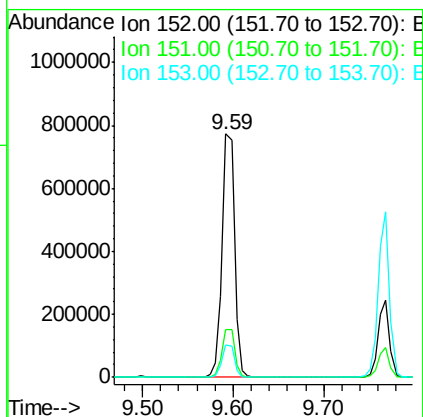
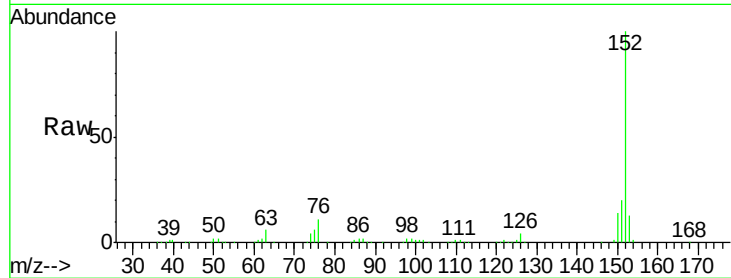
ClientSampleId :

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Tgt Ion:	152	Resp:	730365
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.2	24.4
153	13.2	11.0	16.6

Manual Integrations
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#50

Dimethylphthalate

Concen: 21.419 ng

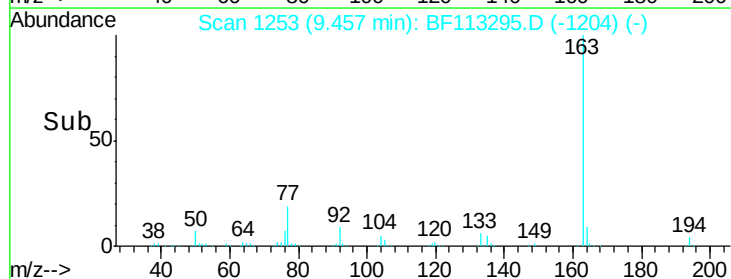
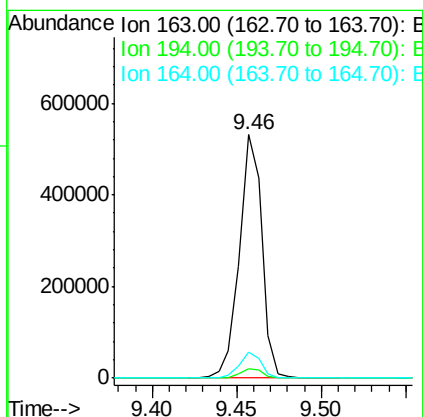
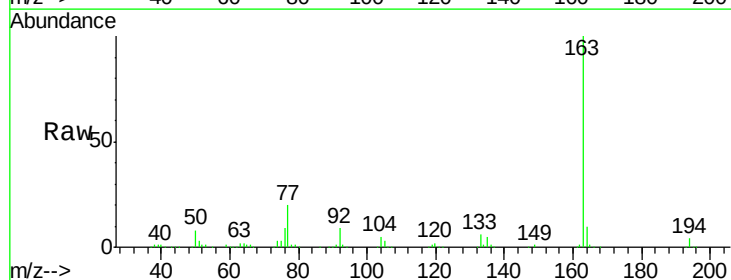
RT: 9.46 min Scan# 1253

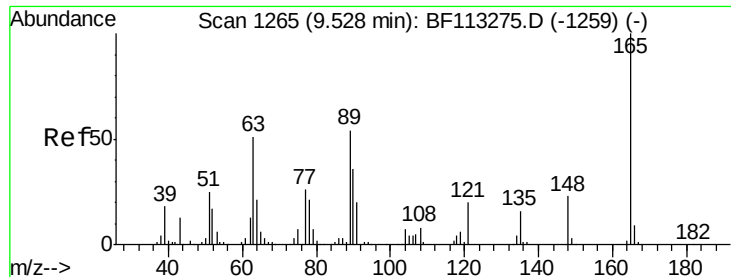
Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:	163	Resp:	493475
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	10.4	8.1	12.1





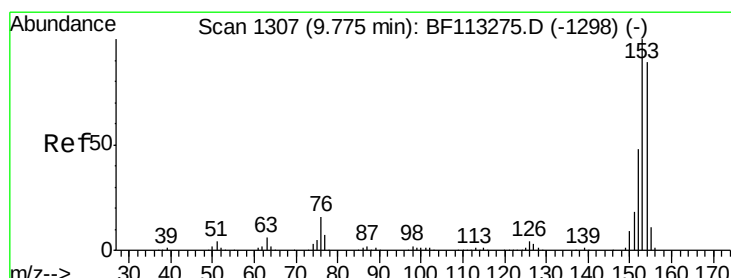
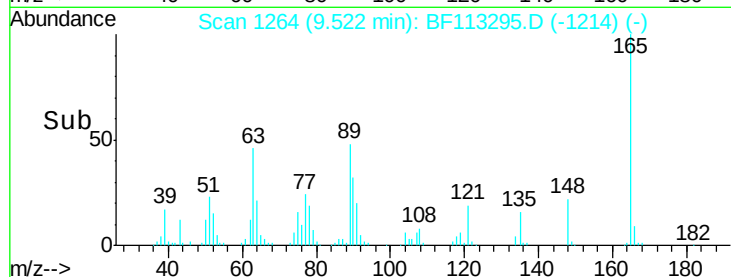
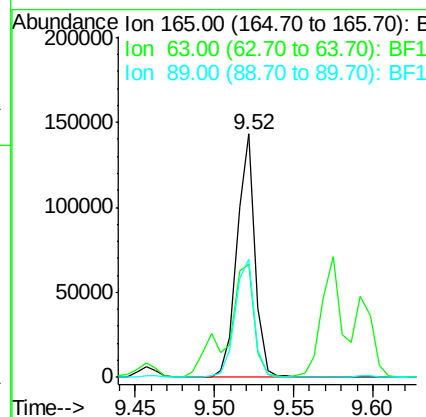
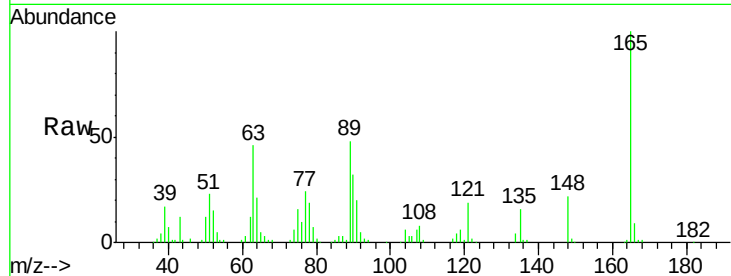
#51
2,6-Dinitrotoluene
Concen: 21.708 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	112831		
63	46.3	43.4	65.0	
89	48.4	43.1	64.7	

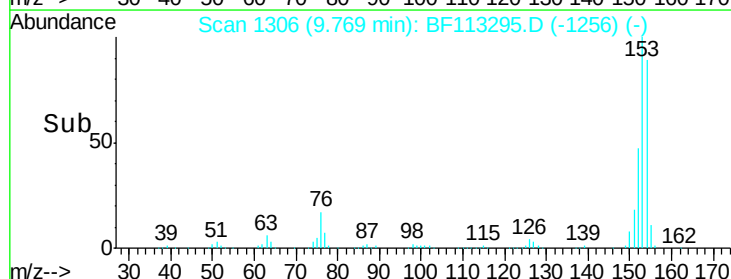
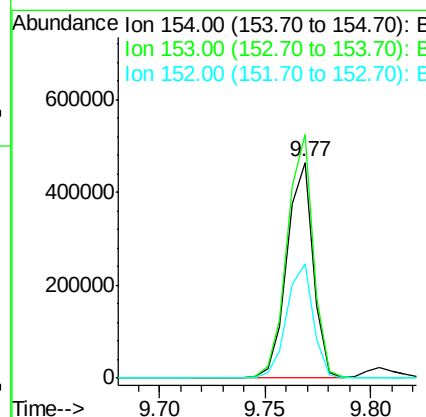
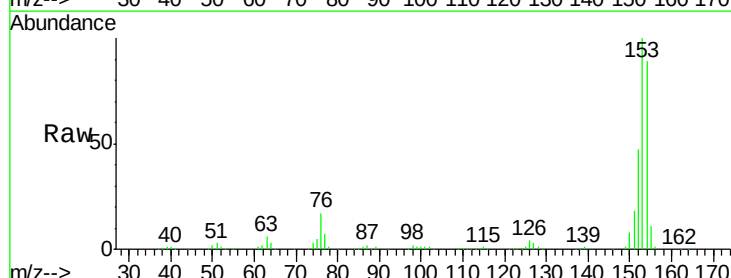
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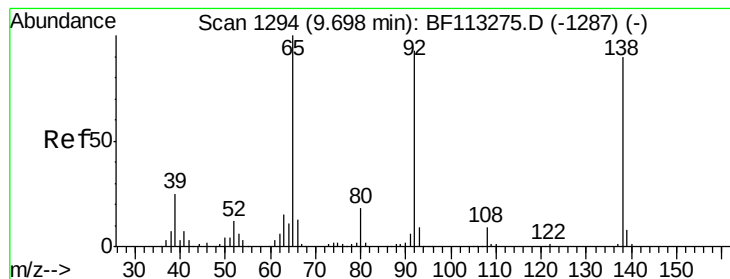
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#52
Acenaphthene
Concen: 22.220 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	404494		
153	113.0	89.5	134.3	
152	53.3	43.3	64.9	





#53

3-Nitroaniline

Concen: 21.901 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

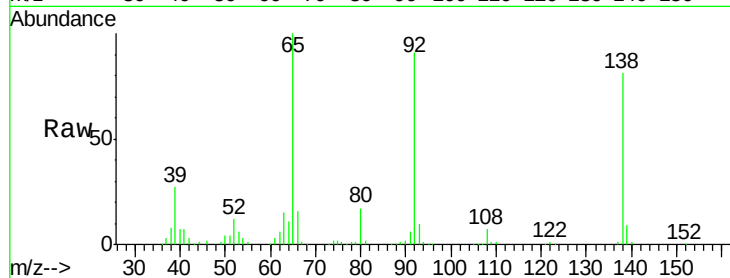
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	138	Resp:	128374
Ion Ratio	Lower	Upper	
138	100		
108	9.2	7.8	11.6
92	111.9	82.6	124.0

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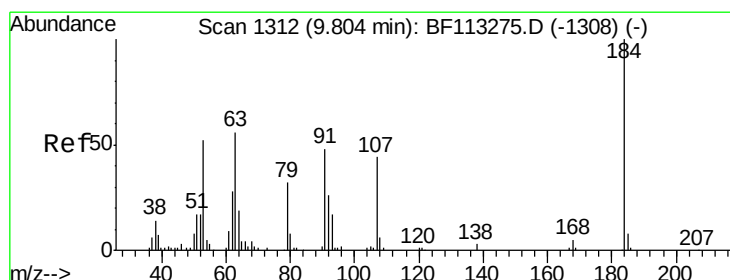
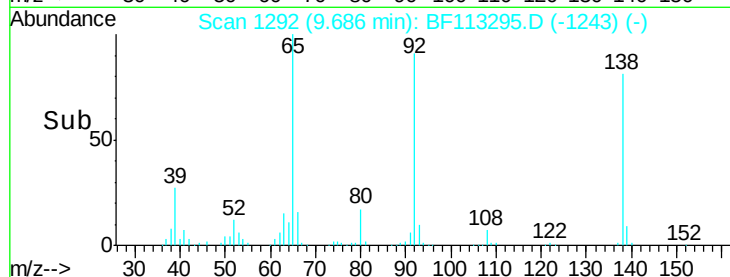
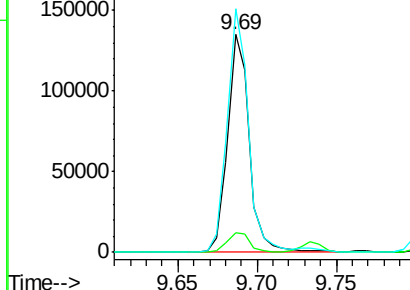
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 19.195 ng

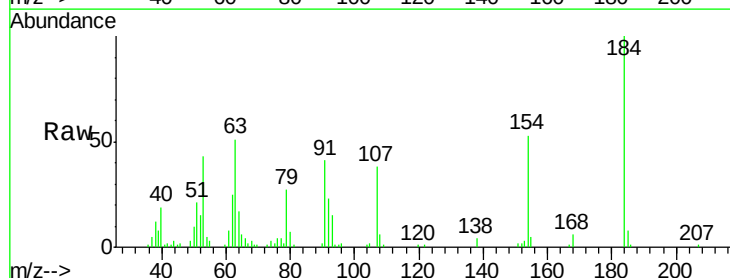
RT: 9.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

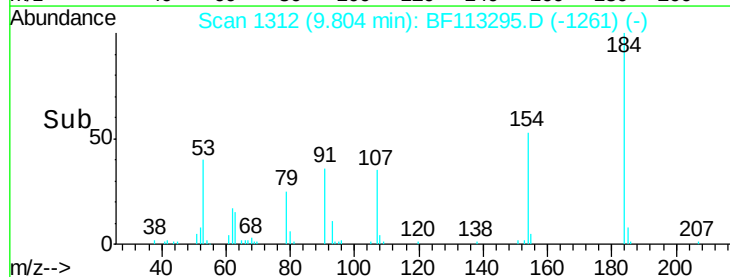
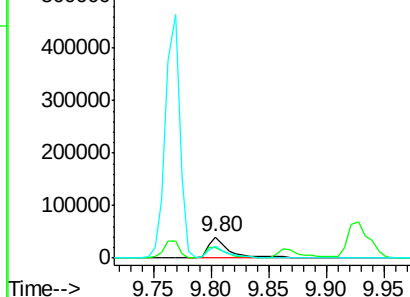
Tgt Ion:	184	Resp:	49620
Ion Ratio	Lower	Upper	
184	100		
63	50.6	54.3	81.5#
154	53.3	48.4	72.6

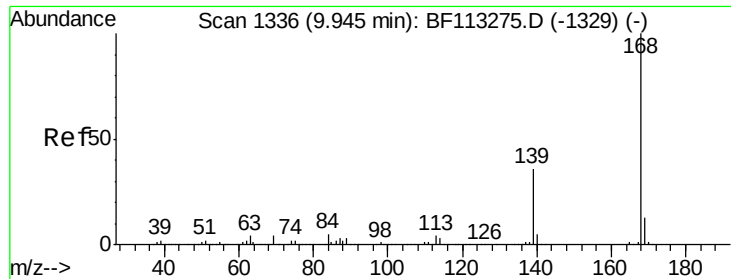


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





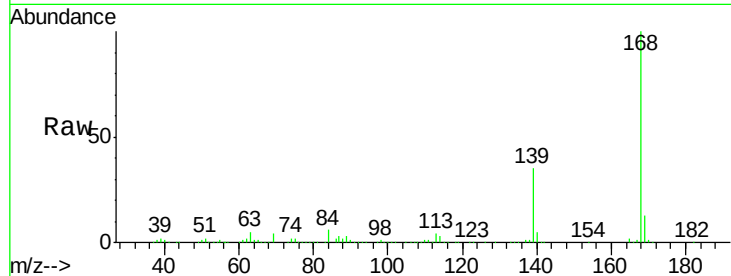
#55
Dibenzenofuran
Concen: 22.857 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

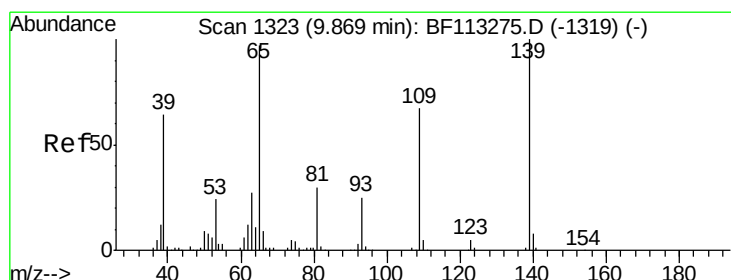
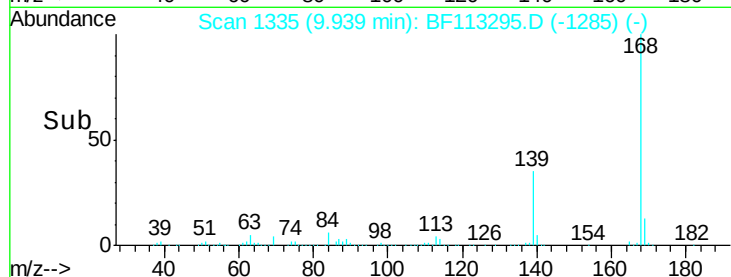
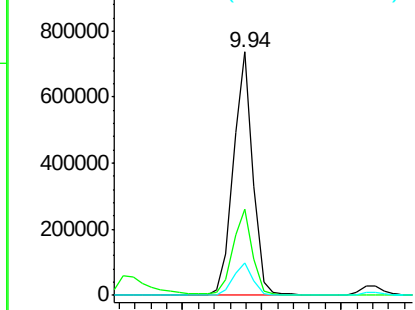
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.3	29.7	44.5
169	13.5	10.7	16.1

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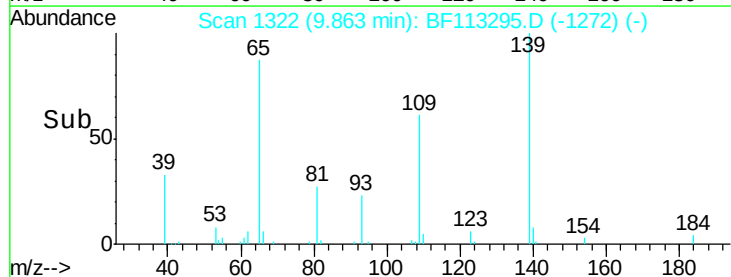
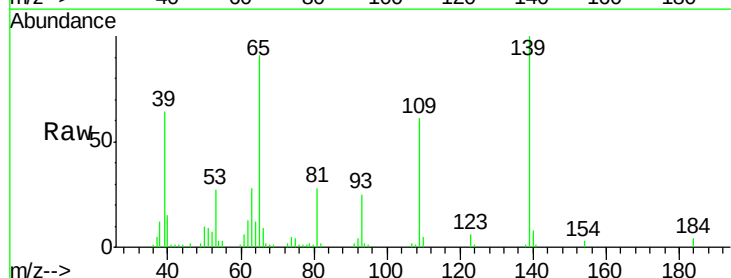
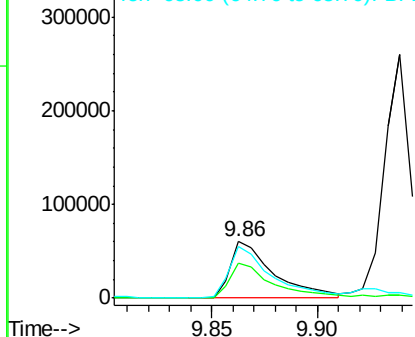
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

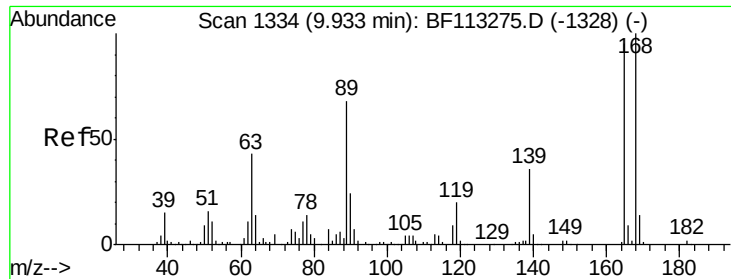


#56
4-Nitrophenol
Concen: 20.422 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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





#57

2,4-Dinitrotoluene

Concen: 22.368 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113295.D

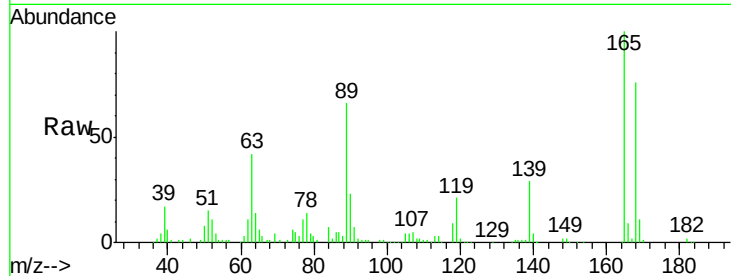
Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019



Tgt Ion:165 Resp: 147847

Ion Ratio Lower Upper

165 100

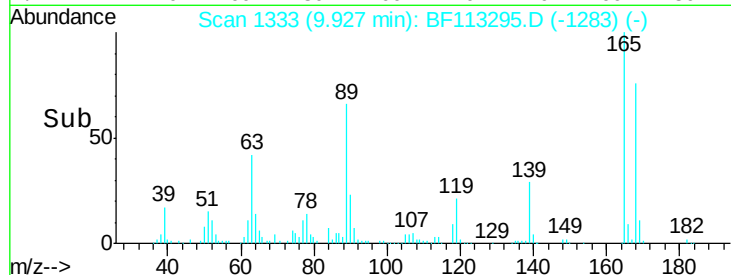
63 42.2 37.5 56.3

89 65.6 57.4 86.2

182 2.2 2.0 3.0

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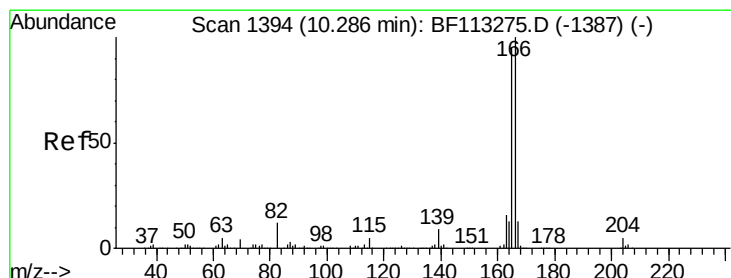
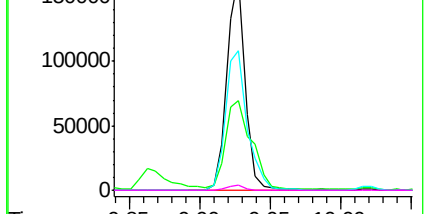


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 22.808 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

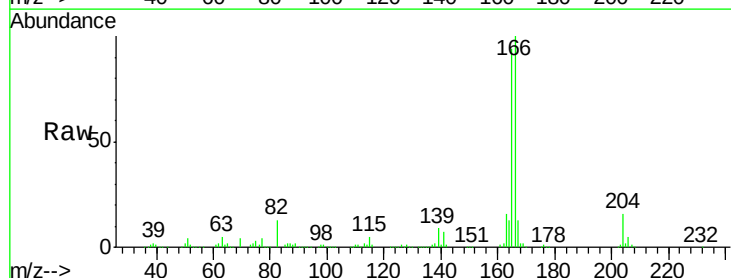
Tgt Ion:166 Resp: 484896

Ion Ratio Lower Upper

166 100

165 93.9 76.2 114.2

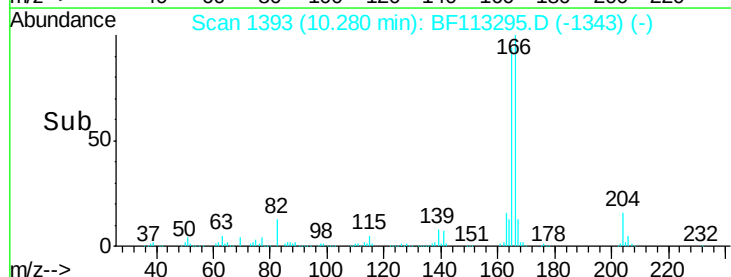
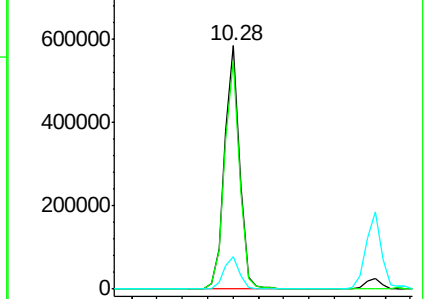
167 13.4 10.7 16.1

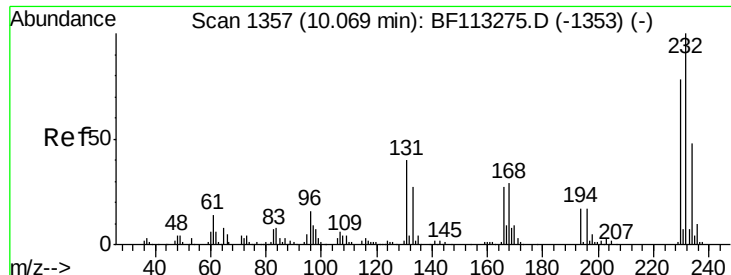


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





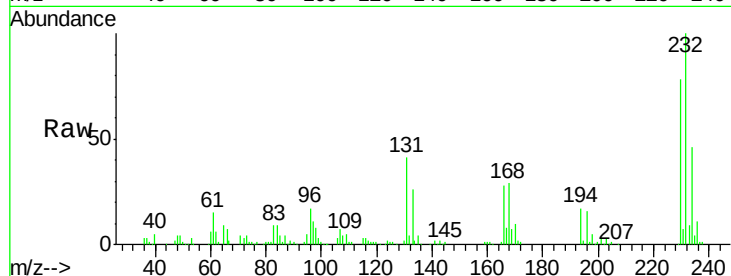
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.217 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

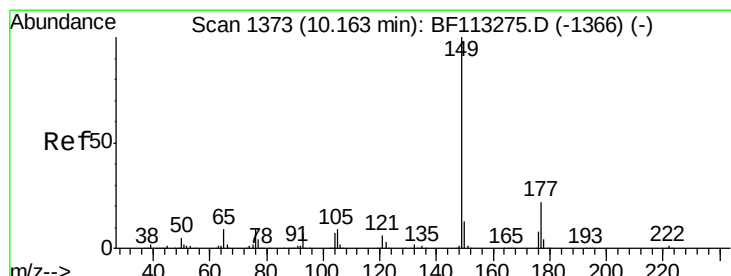
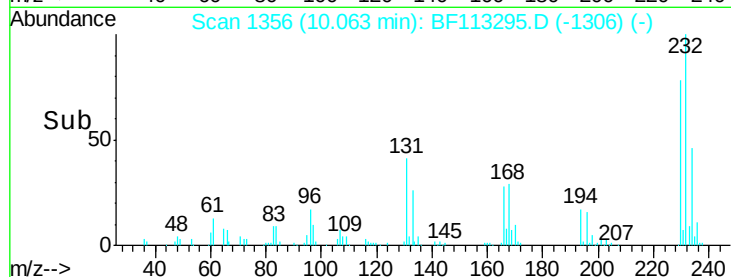
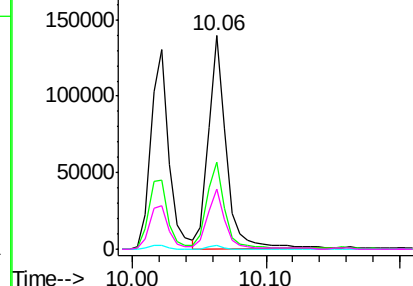
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	129037		
131	42.4	33.2	49.8	
130	1.9	1.6	2.4	
166	28.0	21.0	31.6	

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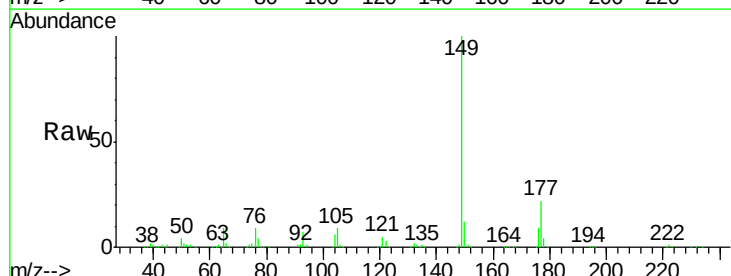


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

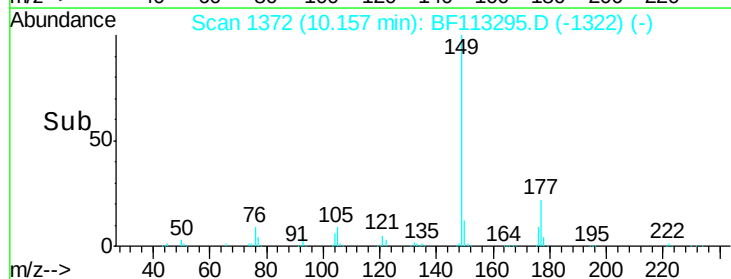
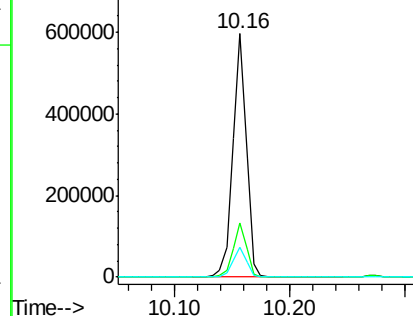


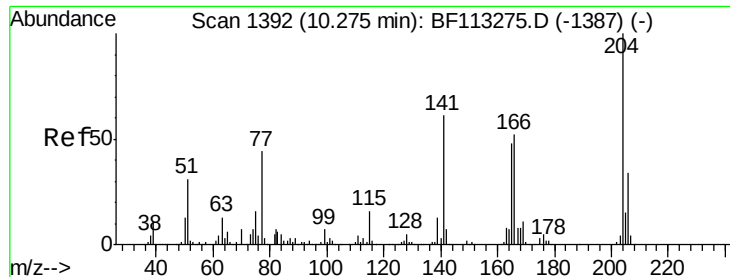
#60
Diethylphthalate
Concen: 21.320 ng
RT: 10.16 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





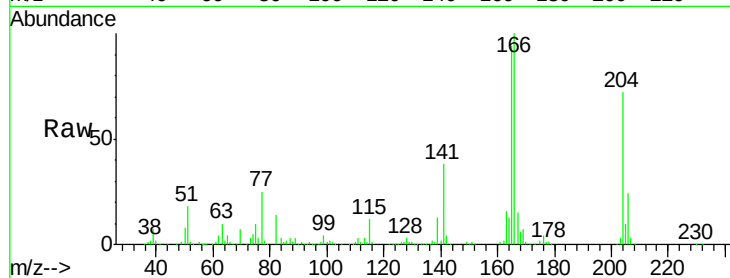
#61
4-Chlorophenyl-phenylether
Concen: 22.652 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

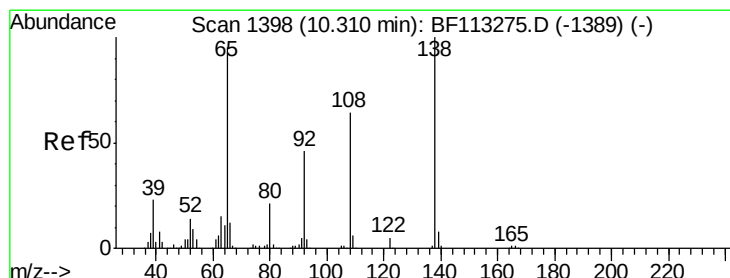
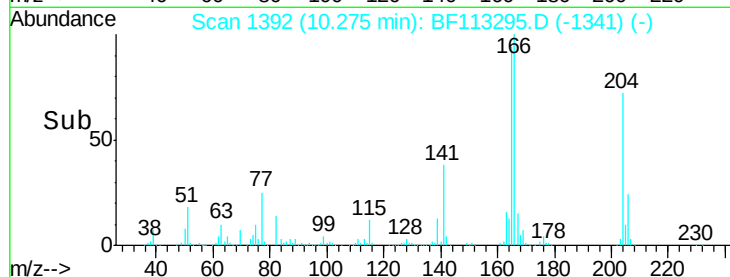
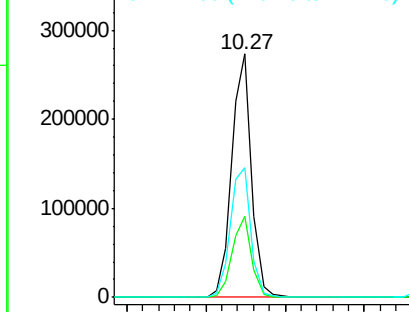
Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.9	40.3
141	53.2	48.8	73.2

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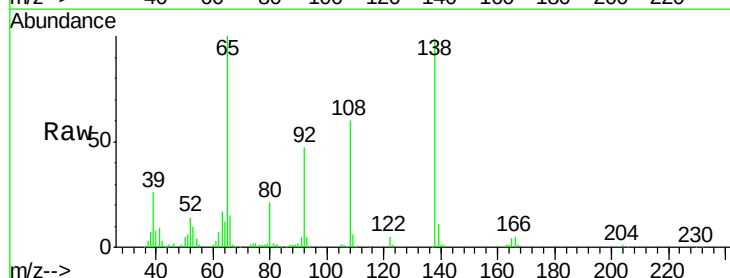


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

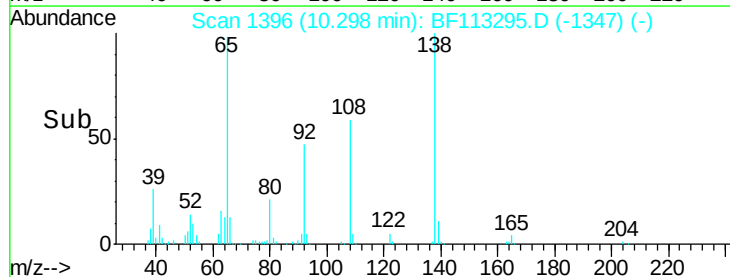
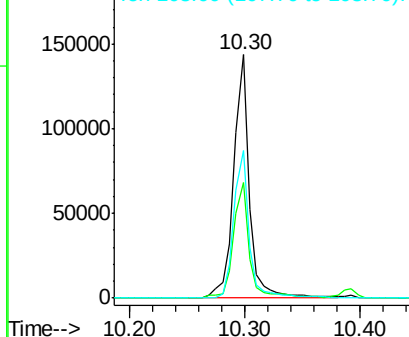


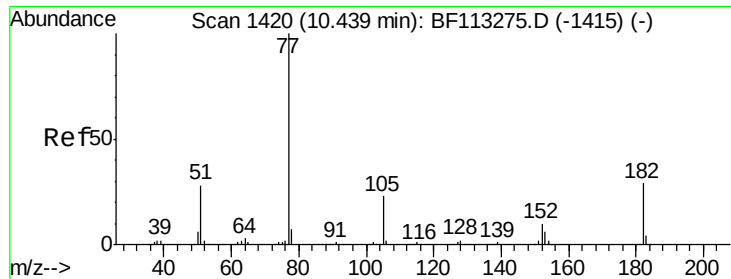
#62
4-Nitroaniline
Concen: 22.485 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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



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





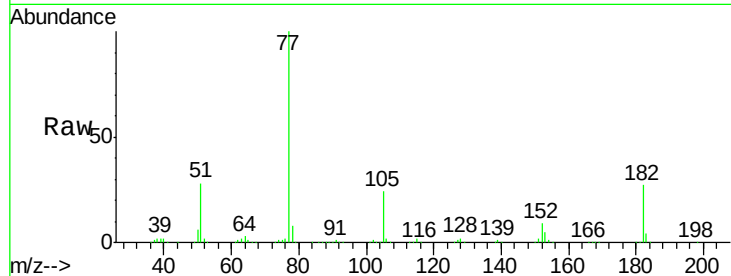
#63
Azobenzene
Concen: 22.085 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.2	8.7	48.7
105	23.6	2.9	42.9
51	28.0	8.8	48.8

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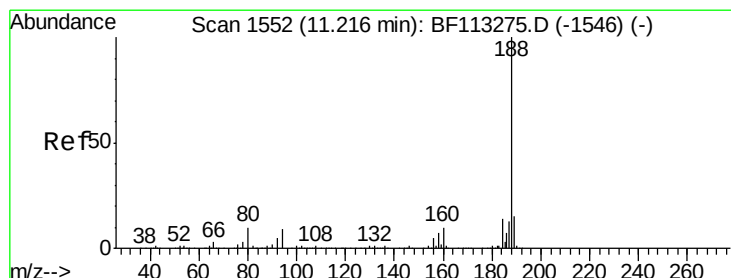
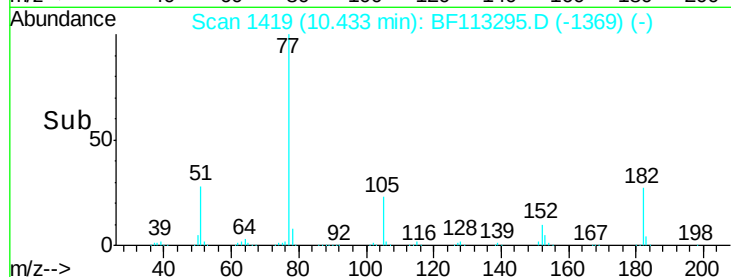
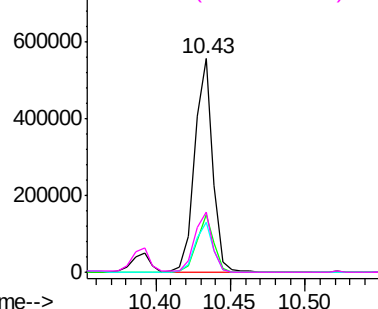


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

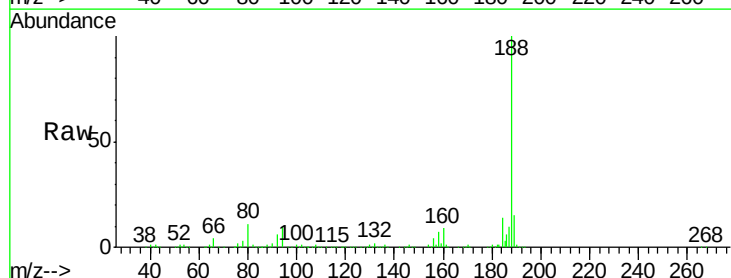
Ion 105.00 (104.70 to 105.70): E

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: BF113295.D
Acq: 26 Mar 2019 16:58

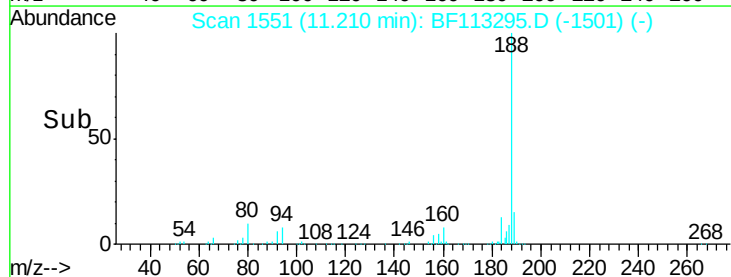
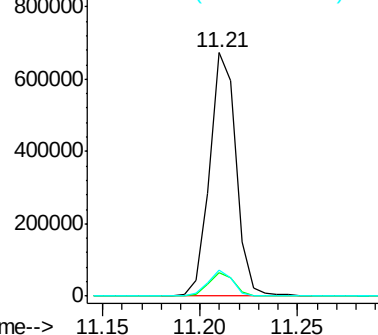
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.0	10.6
80	10.7	7.7	11.5

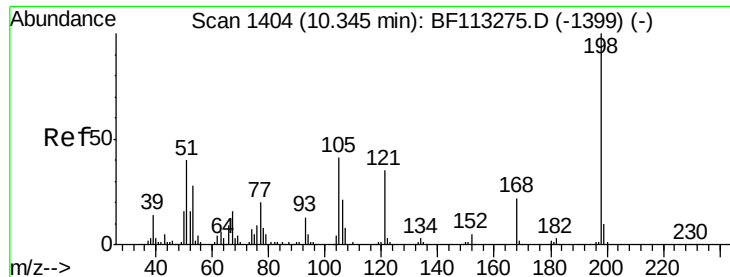


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





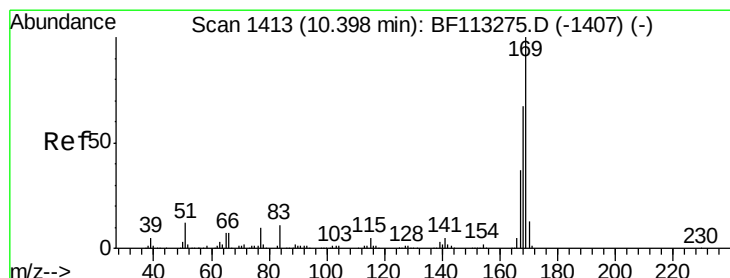
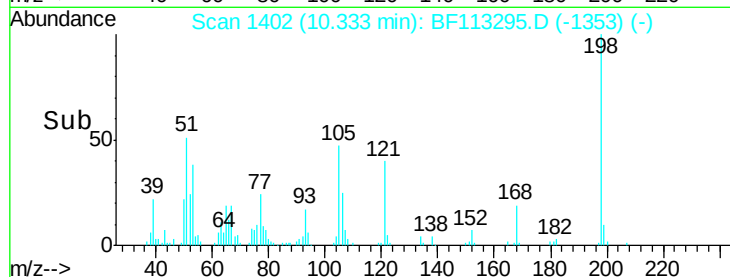
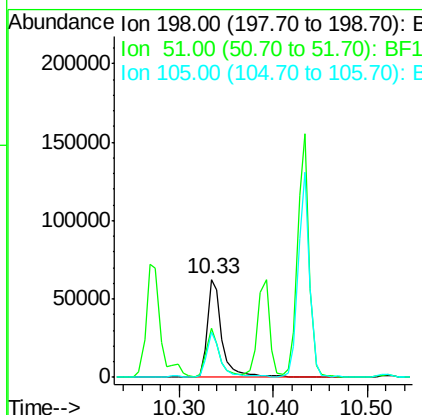
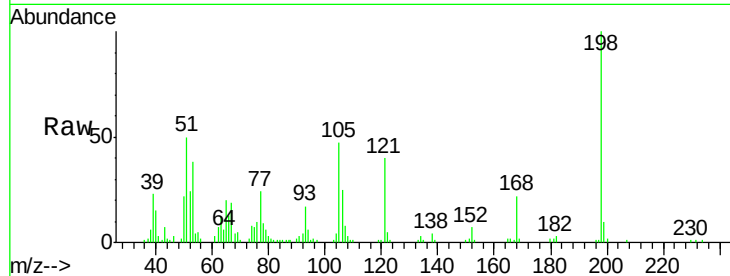
#65
4,6-Dinitro-2-methylphenol
Concen: 19.739 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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

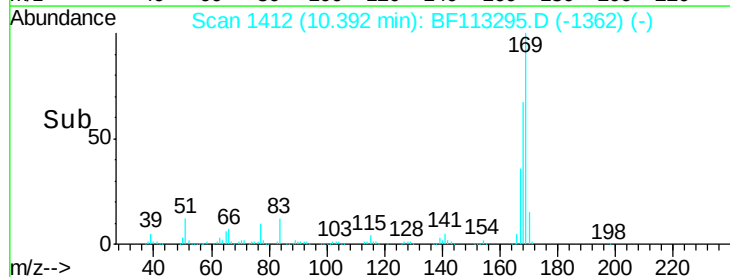
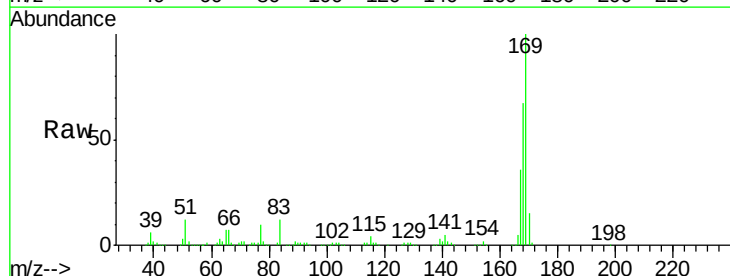
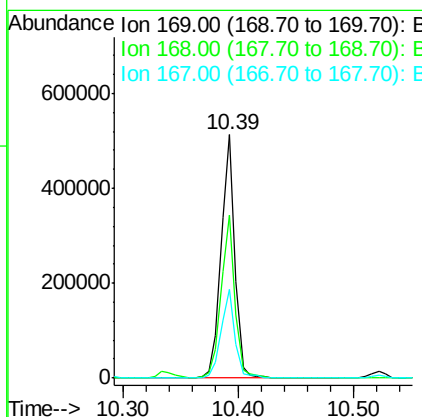
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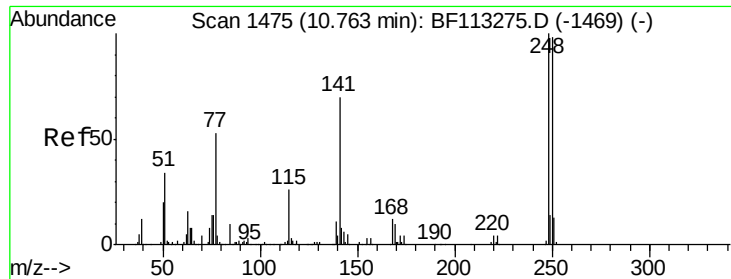
Sohil
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#66
n-Nitrosodiphenylamine
Concen: 21.843 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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





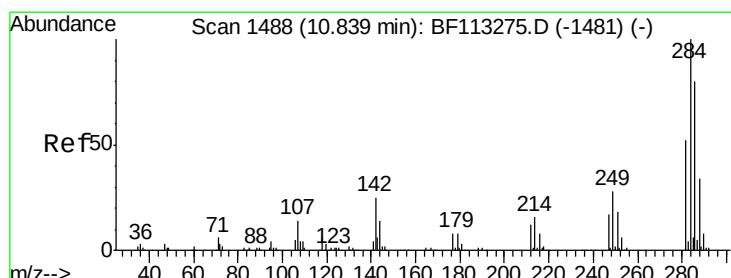
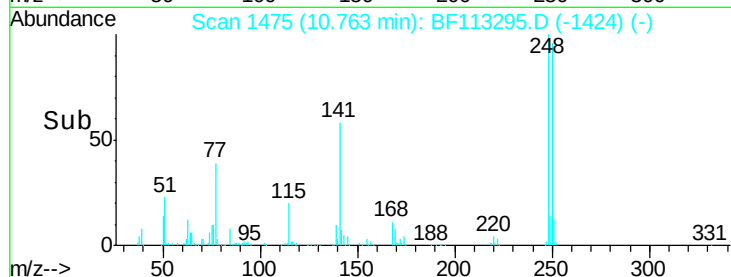
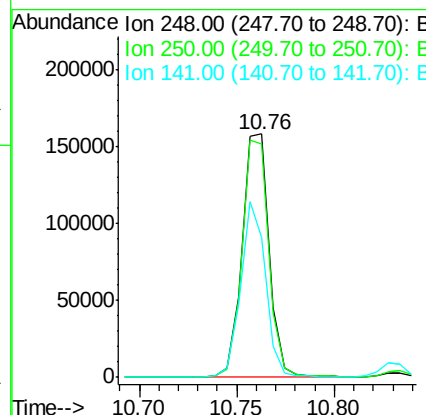
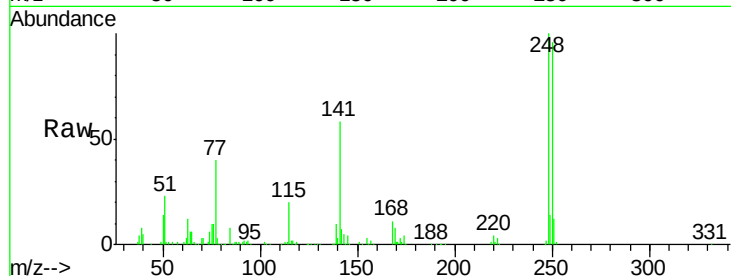
#67
4-Bromophenyl-phenylether
Concen: 22.015 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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

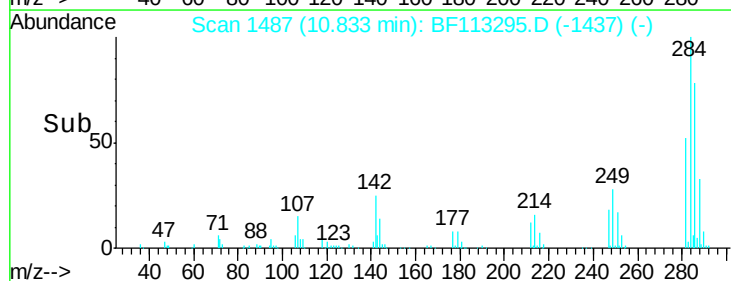
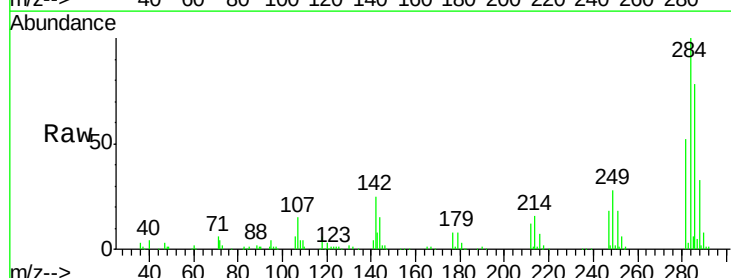
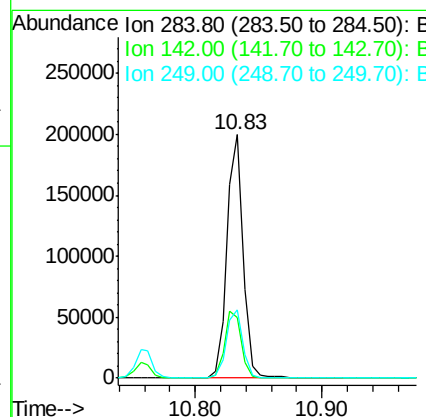
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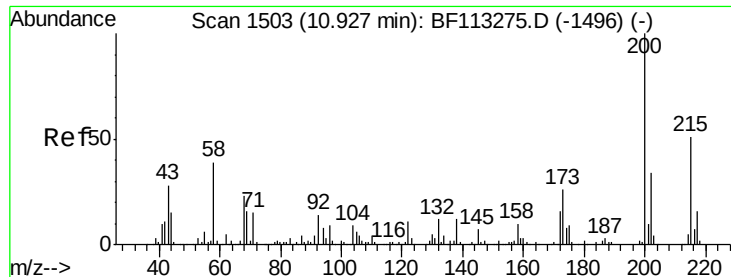
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#68
Hexachlorobenzene
Concen: 22.190 ng
RT: 10.83 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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





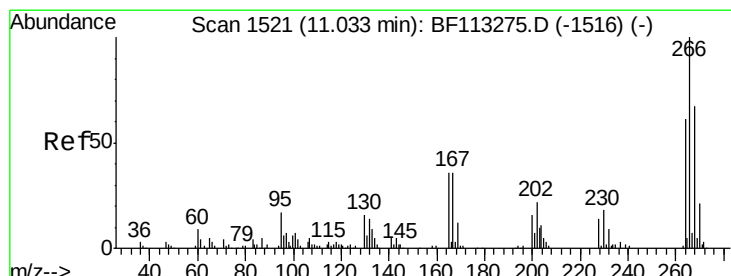
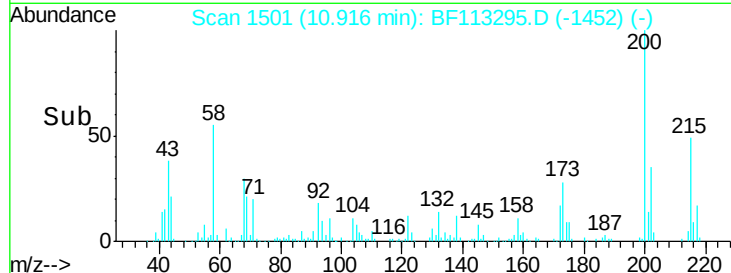
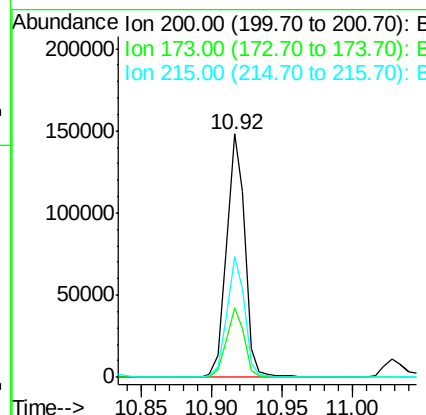
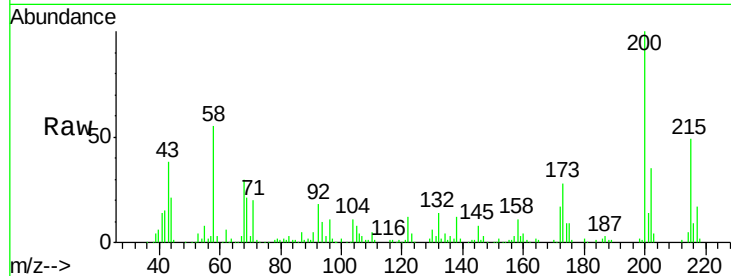
#69
 Atrazine
 Concen: 21.827 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

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

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

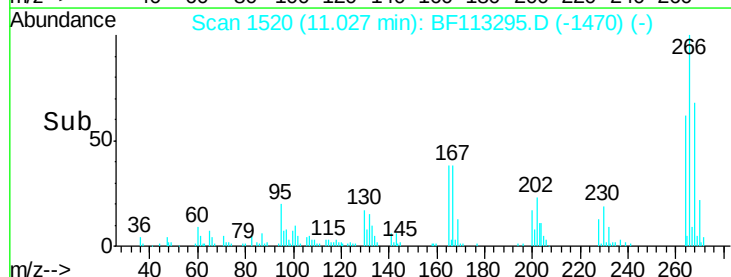
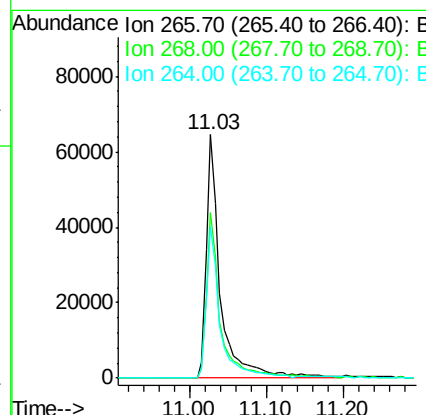
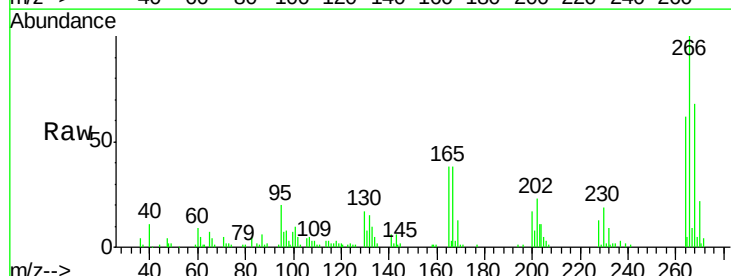
Manual Integrations
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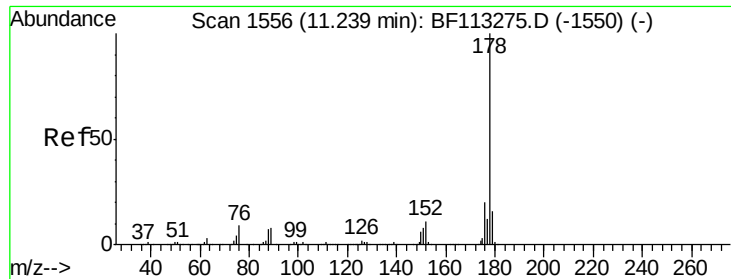
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#70
 Pentachlorophenol
 Concen: 19.994 ng
 RT: 11.03 min Scan# 1520
 Delta R.T. -0.01 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

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





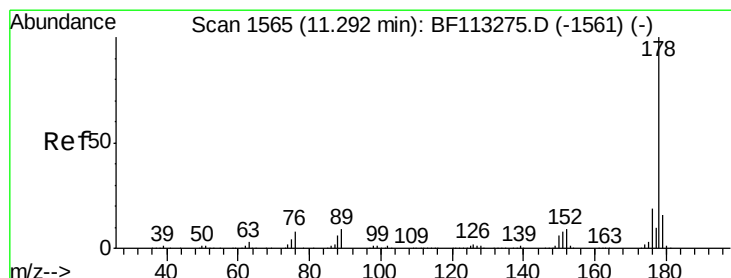
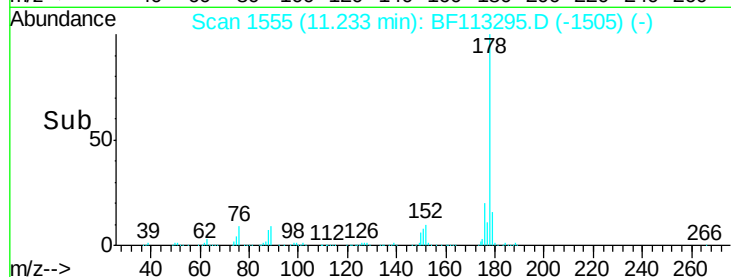
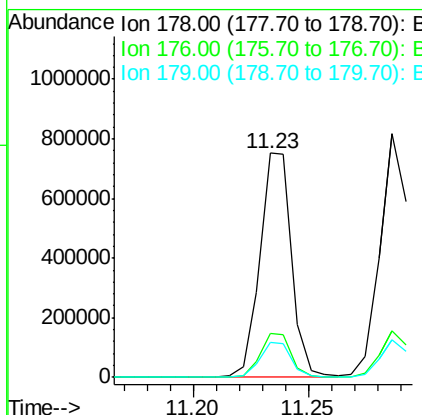
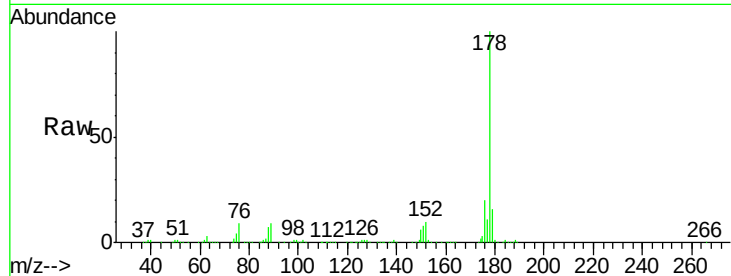
#71
Phenanthrene
Concen: 22.971 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.2
179	15.9	12.7	19.1

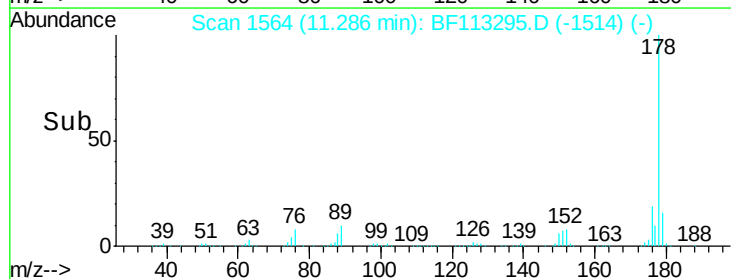
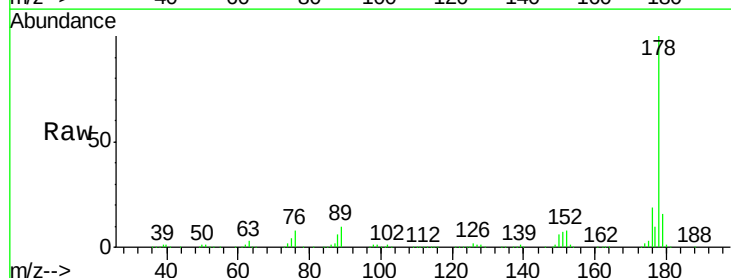
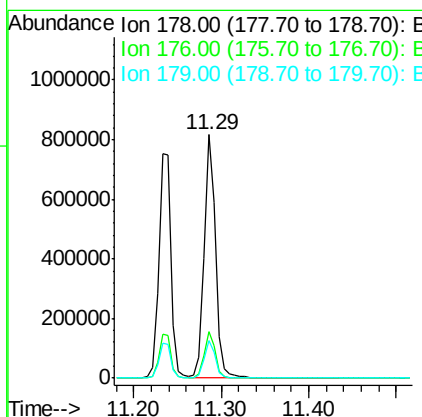
Manual Integrations
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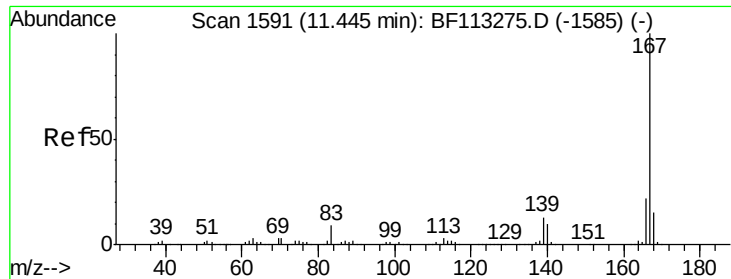
Sohil
3/27/2019 3:17:43 PM



#72
Anthracene
Concen: 23.316 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.7	12.8	19.2





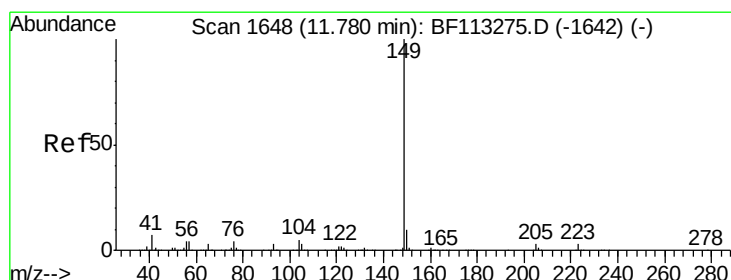
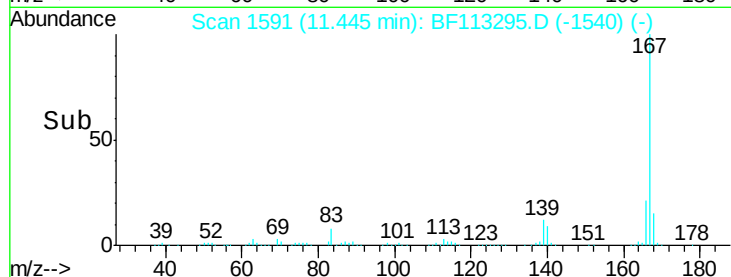
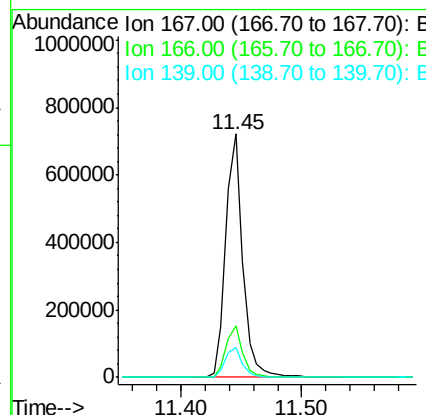
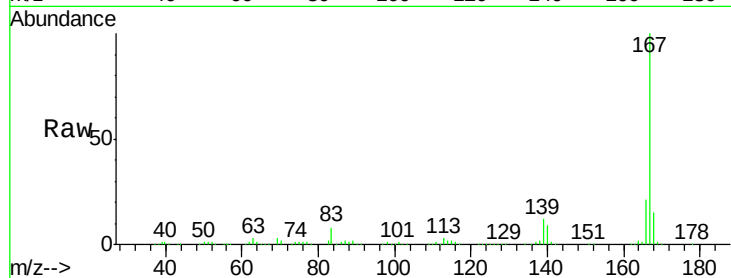
#73
 Carbazole
 Concen: 23.103 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF113295.D
 Acq: 26 Mar 2019 16:58

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

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

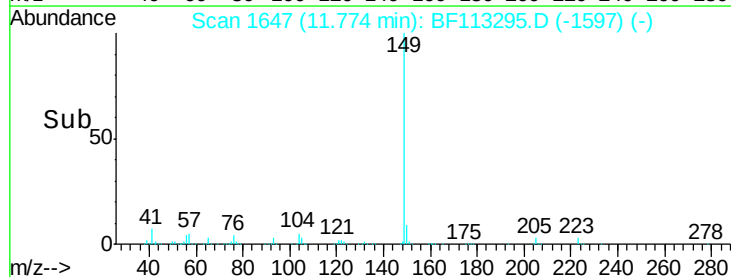
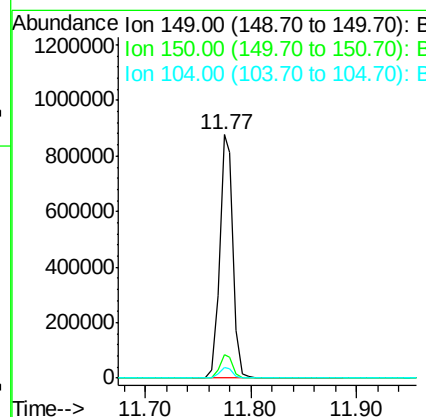
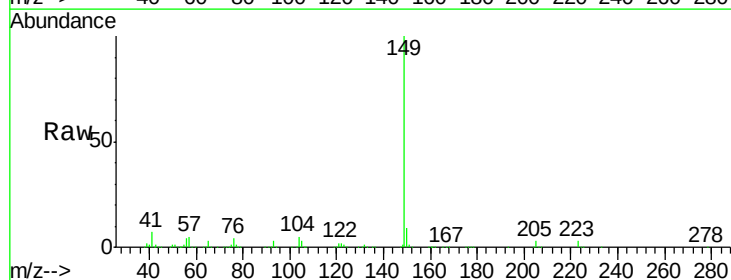
Manual Integrations
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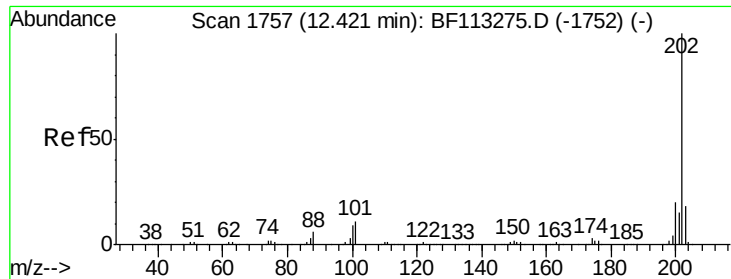
Sohil
 3/27/2019 3:17:43 PM



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

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





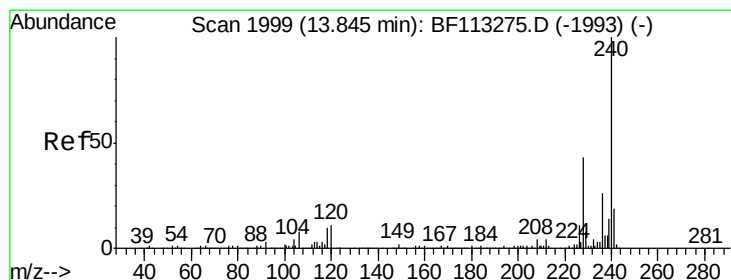
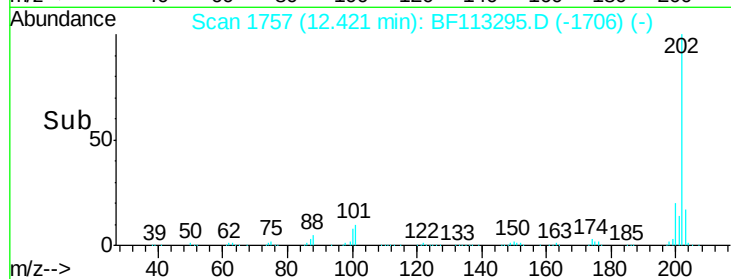
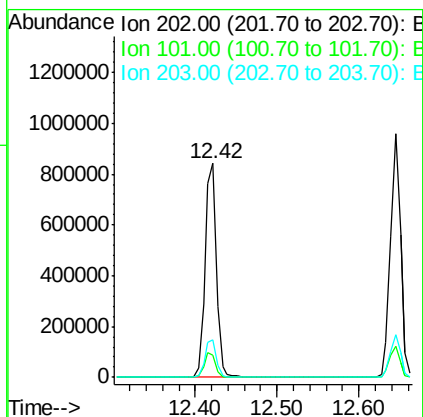
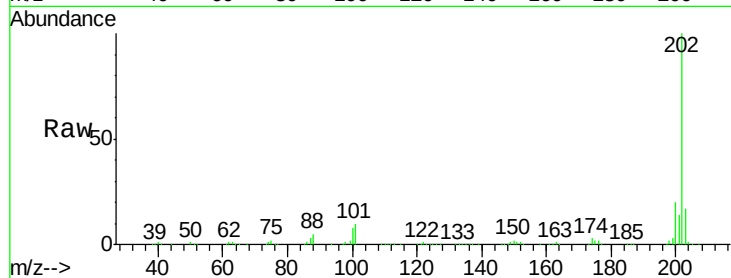
#75
Fluoranthene
Concen: 22.861 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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

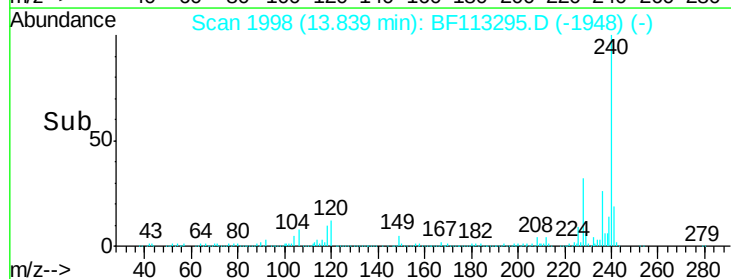
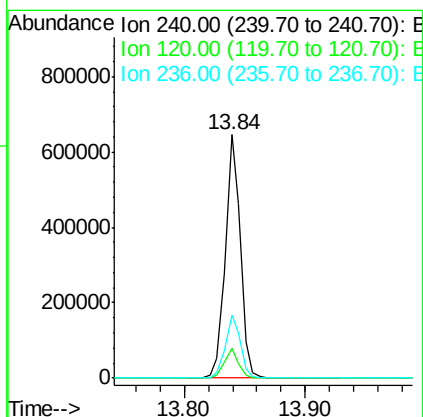
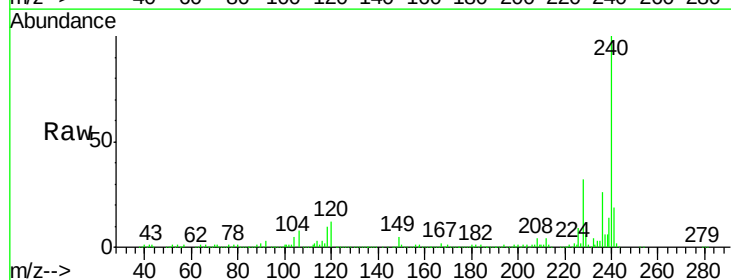
Manual Integrations
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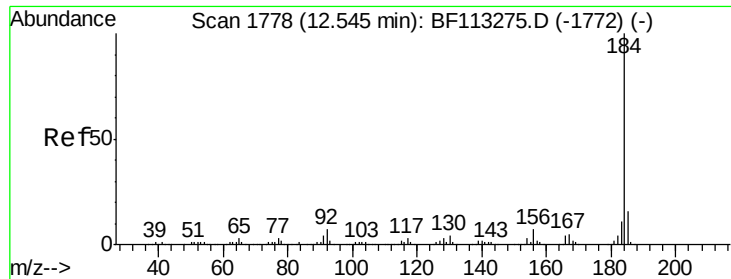
Sohil
3/27/2019 3:17:43 PM



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

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





#77

Benzidine

Concen: 18.681 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

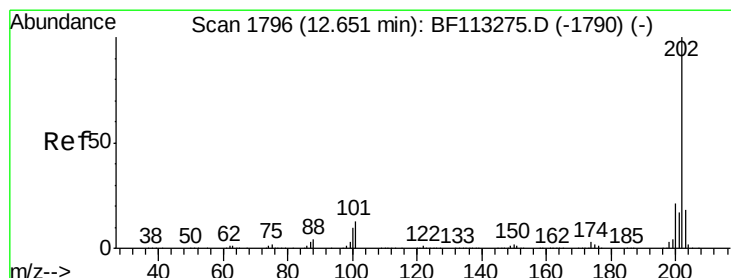
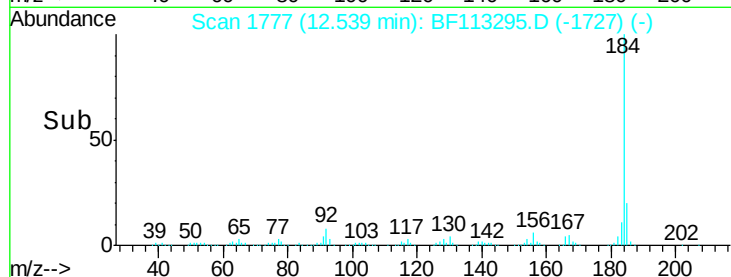
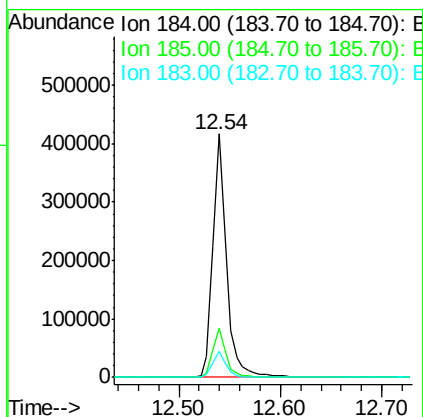
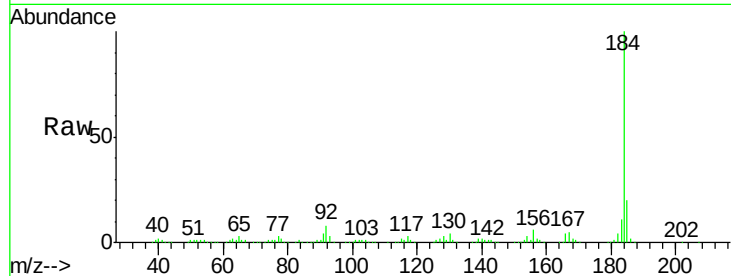
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	184	Resp:	396392
Ion Ratio	Lower	Upper	
184	100		
185	20.0	13.0	19.6#
183	10.6	9.0	13.4

Manual Integrations
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3/27/2019 3:17:43 PM



#78

Pyrene

Concen: 21.818 ng

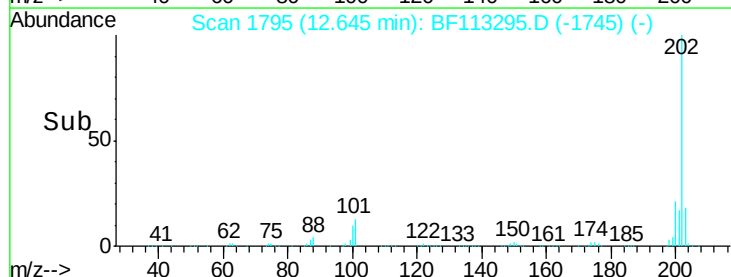
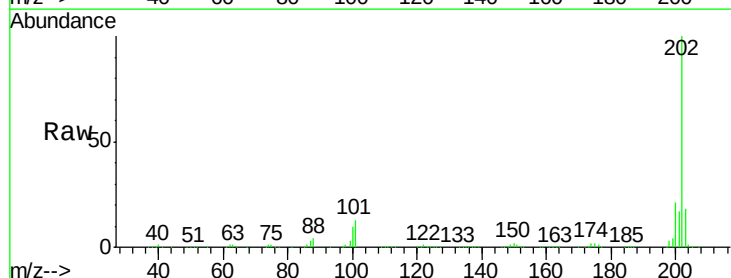
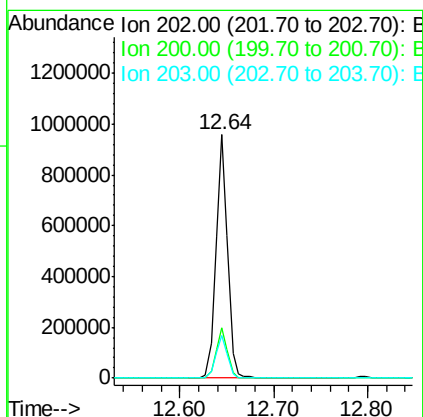
RT: 12.64 min Scan# 1795

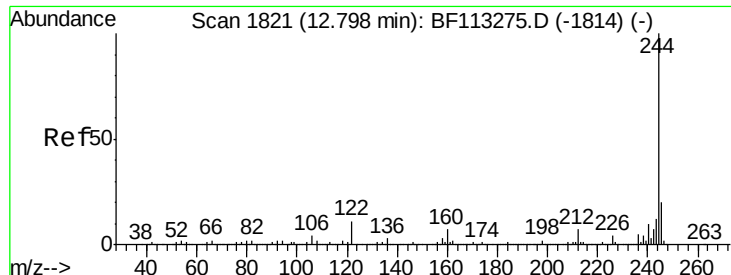
Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:	202	Resp:	837738
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.8	25.2
203	17.8	14.4	21.6





#79

Terphenyl-d14

Concen: 75.448 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:244 Resp: 1896613

Ion Ratio Lower Upper

244 100

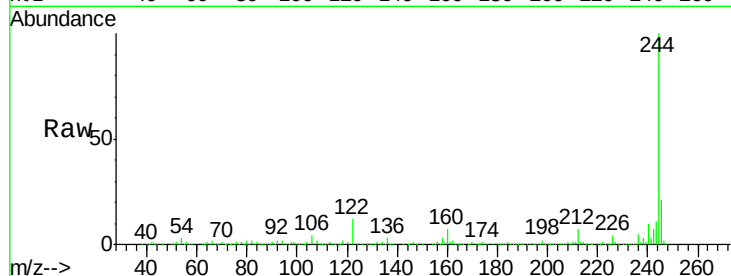
212 6.9 5.5 8.3

122 11.8 8.6 13.0

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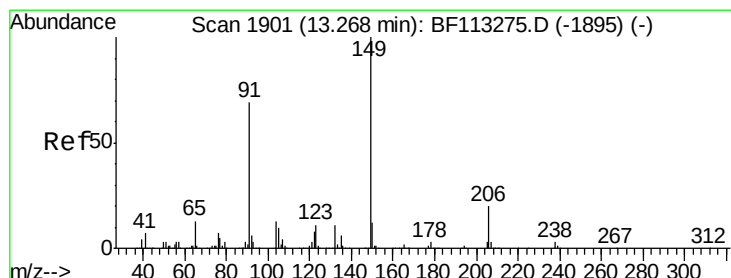
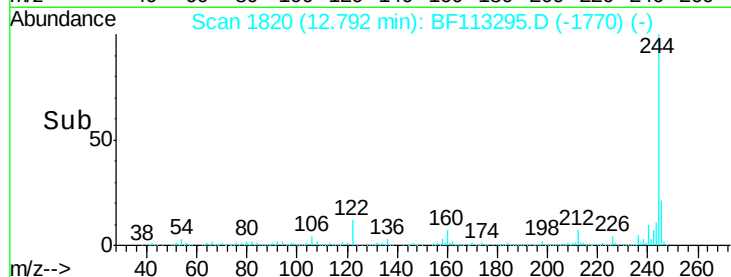
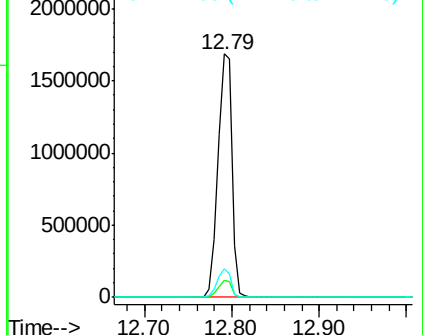
3/27/2019 3:17:43 PM



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: 19.661 ng

RT: 13.26 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

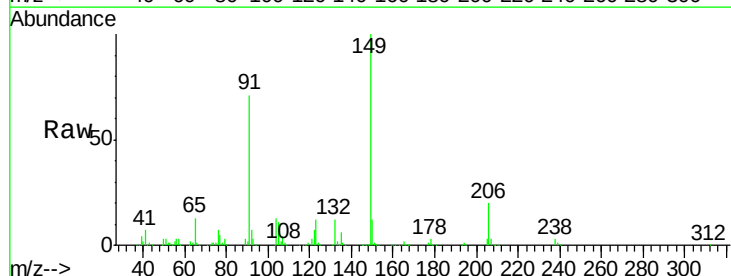
Tgt Ion:149 Resp: 332703

Ion Ratio Lower Upper

149 100

91 70.9 55.2 82.8

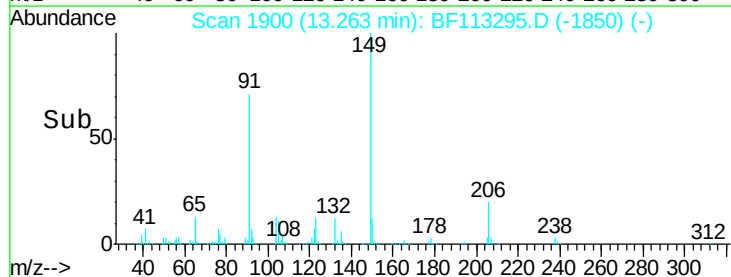
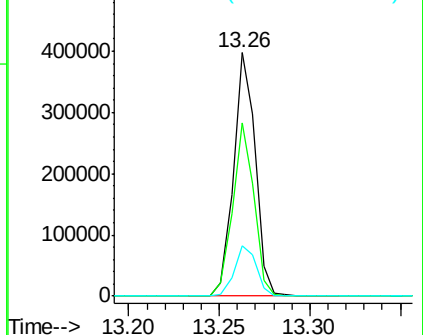
206 20.4 16.1 24.1

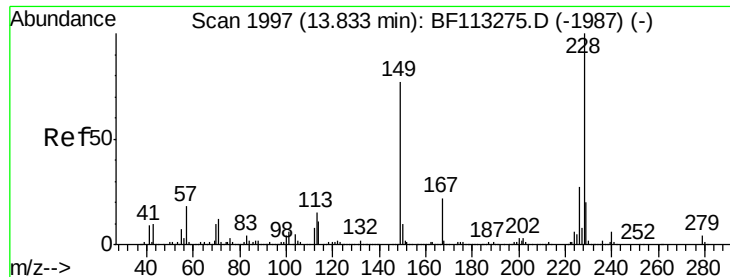


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 21.978 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

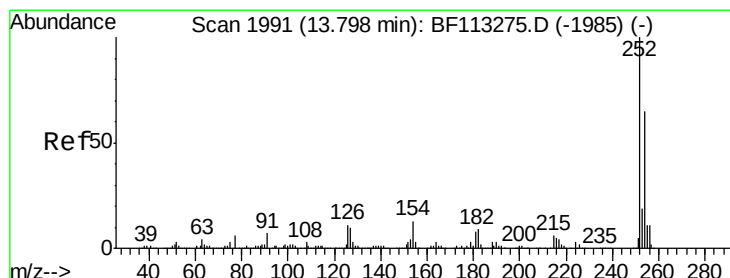
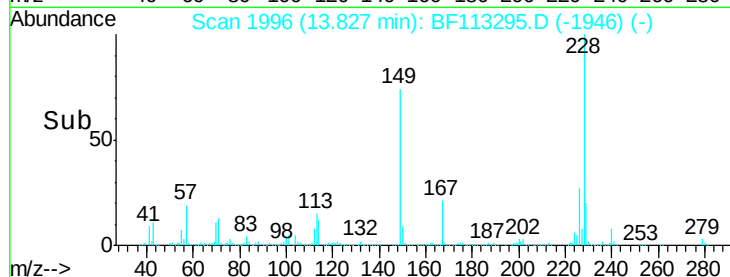
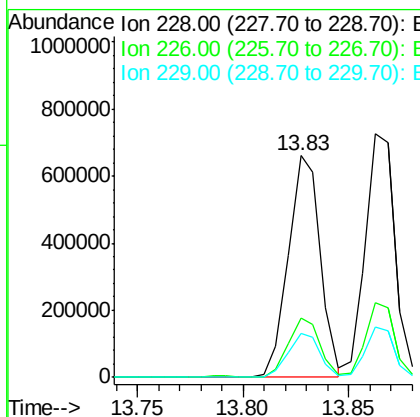
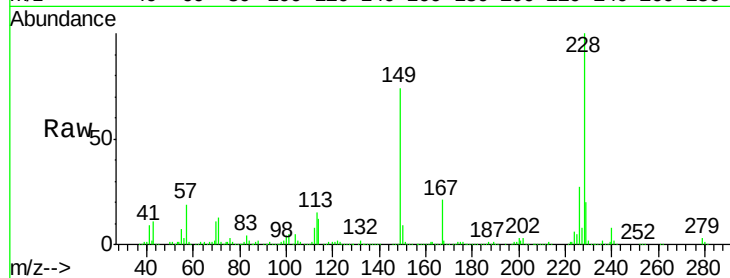
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	228	Resp:	697068
Ion Ratio	Lower	Upper	
228	100		
226	27.0	21.8	32.8
229	19.8	16.2	24.4

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 21.660 ng

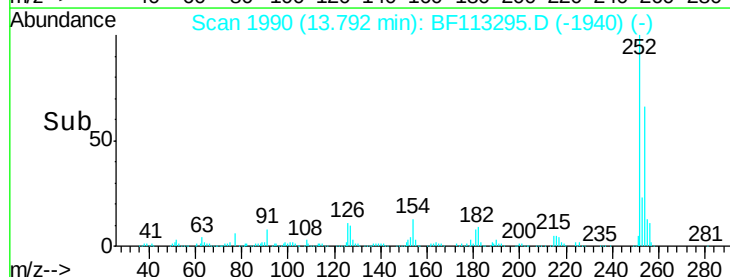
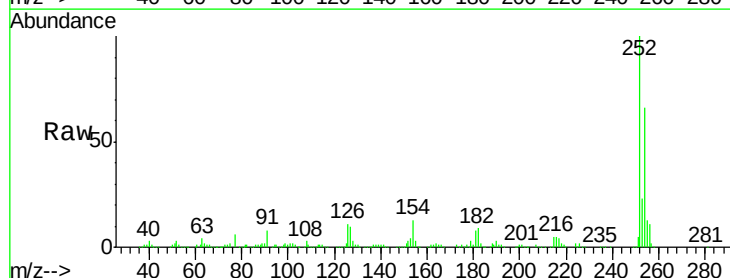
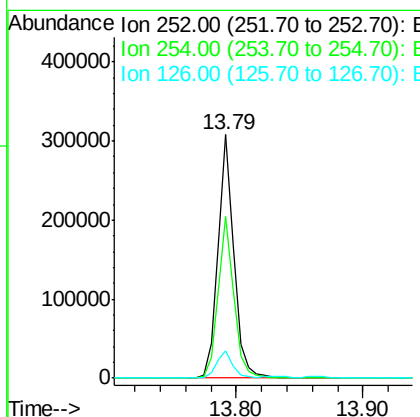
RT: 13.79 min Scan# 1990

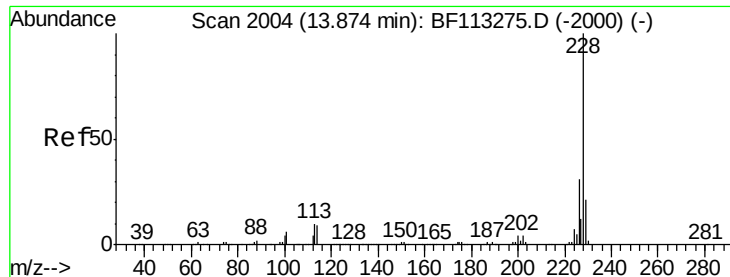
Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:	252	Resp:	275596
Ion Ratio	Lower	Upper	
252	100		
254	66.2	52.2	78.2
126	11.3	8.5	12.7





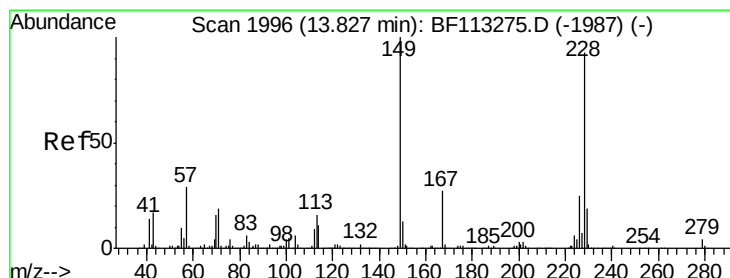
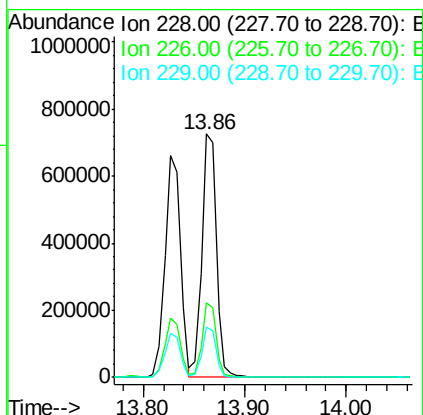
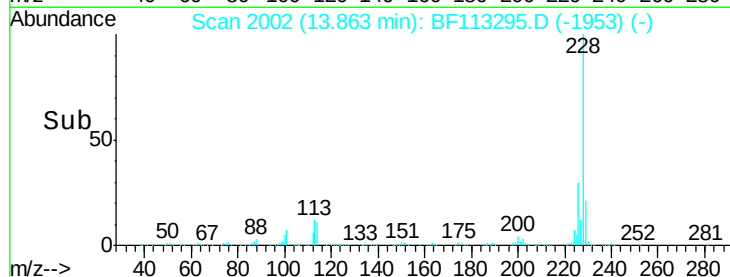
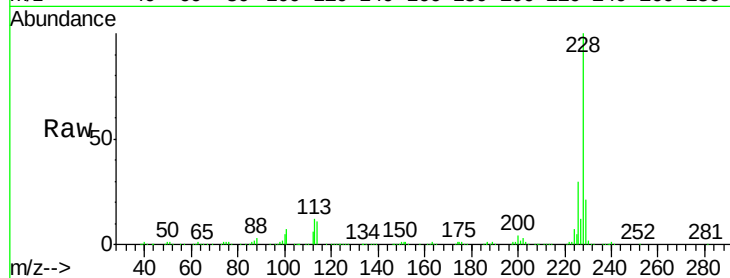
#83
Chrysene
Concen: 22.391 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	20.6	16.3	24.5

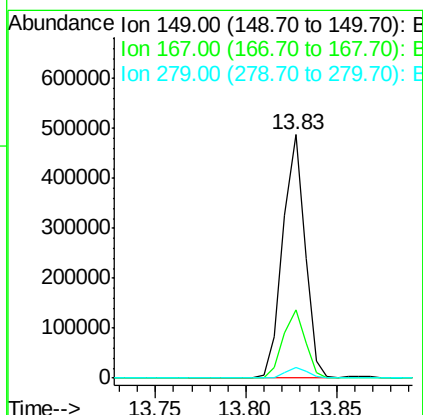
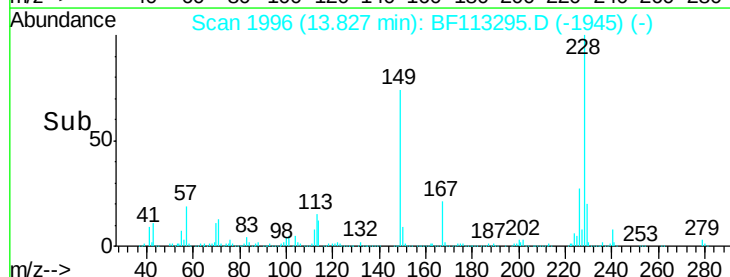
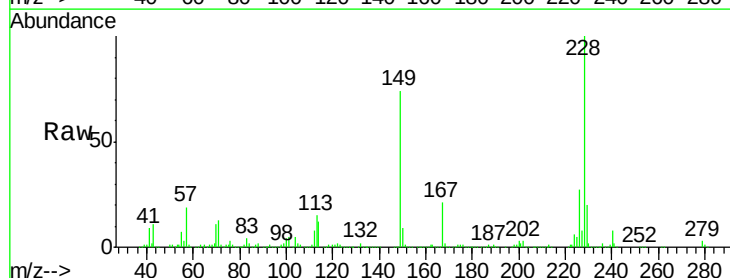
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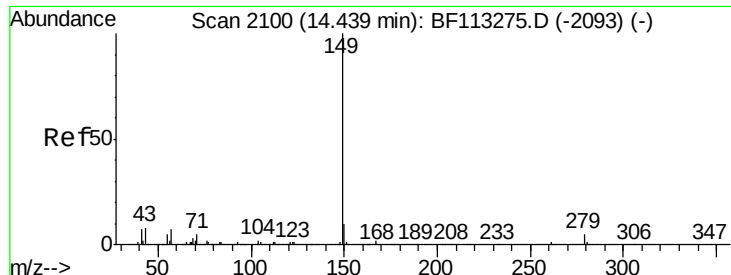
Sohil
3/27/2019 3:17:43 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 20.151 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.8	32.8
279	4.3	2.9	4.3





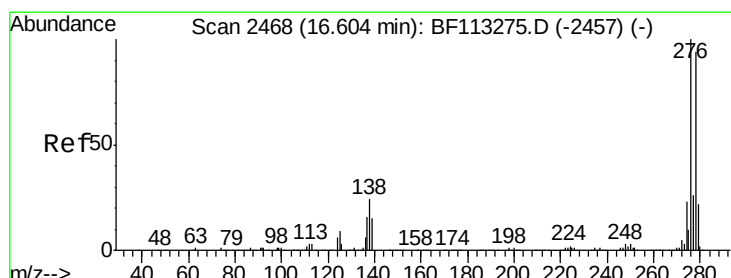
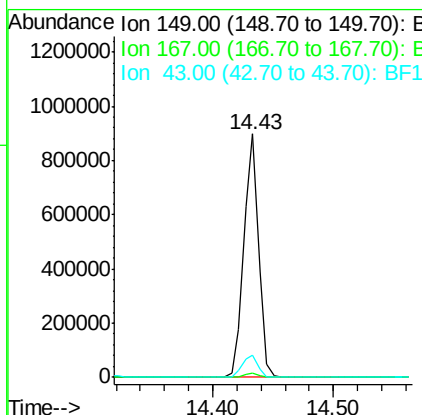
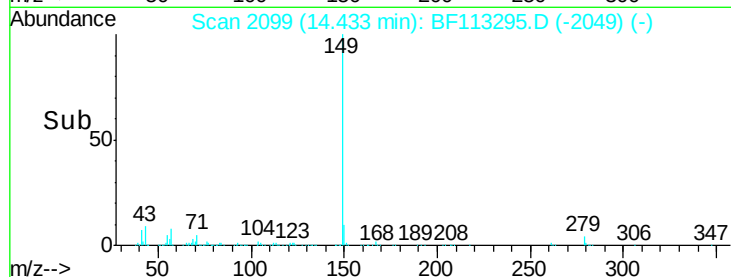
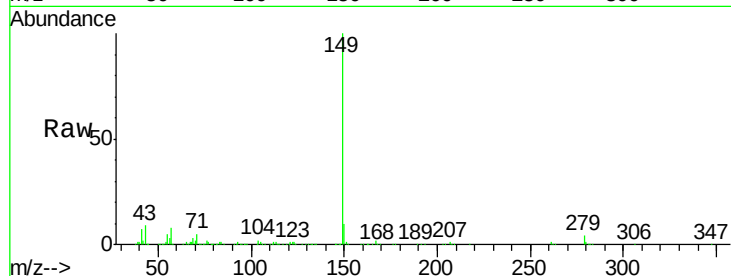
#85
Di-n-octyl phthalate
Concen: 21.778 ng
RT: 14.43 min Scan# 2099
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

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

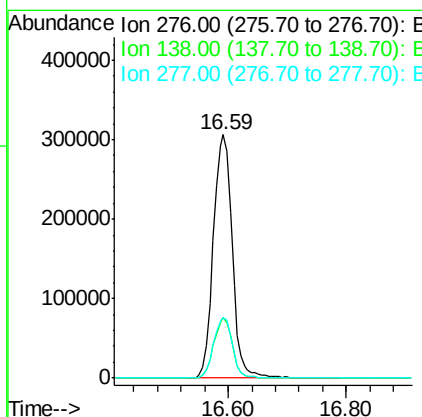
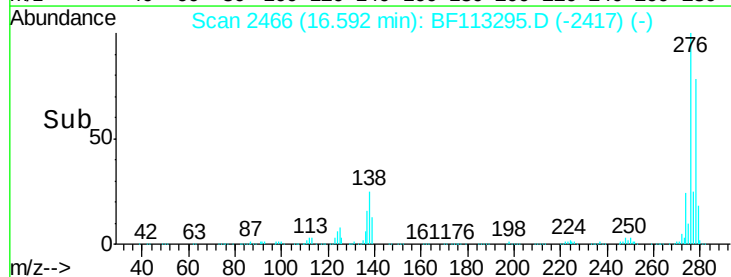
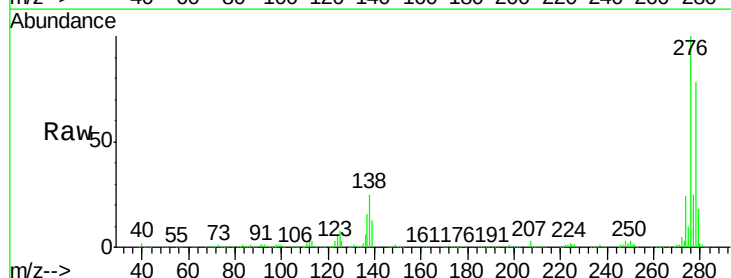
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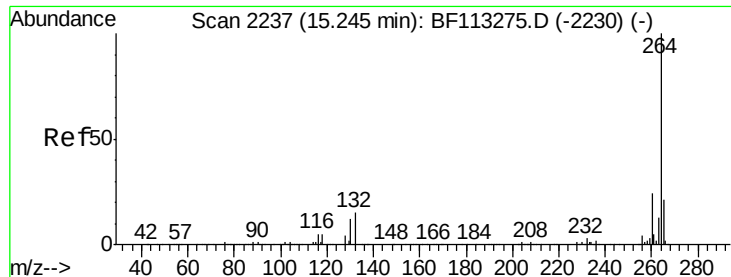
Sohil
3/27/2019 3:17:43 PM



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

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





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Instrument :

BNA_F

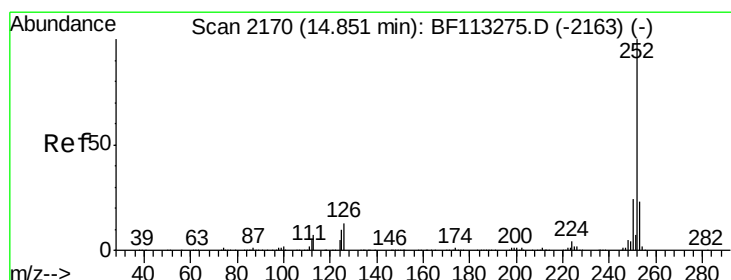
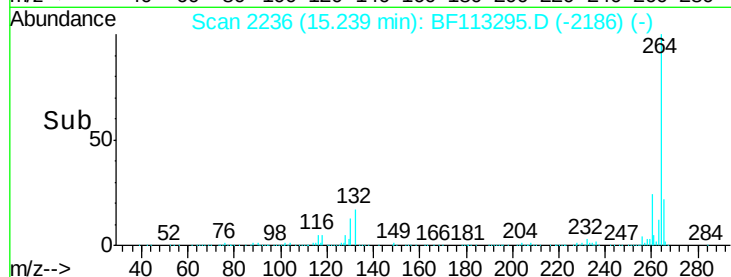
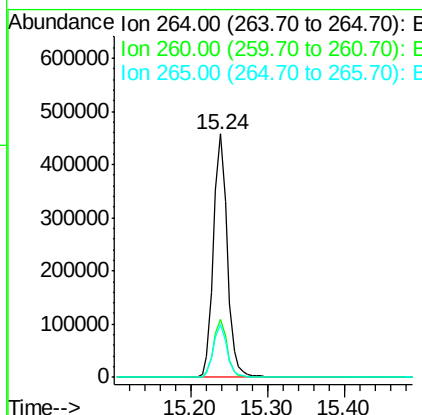
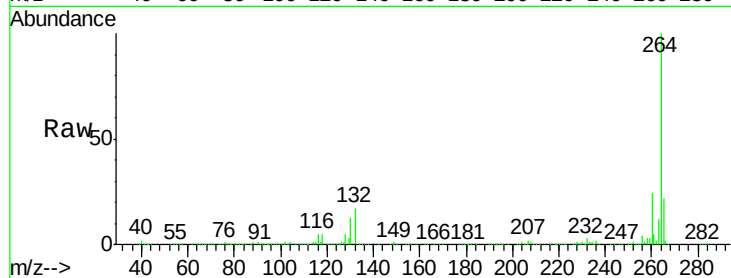
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	264	Resp:	559544
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.1	28.7
265	21.5	17.1	25.7

Manual Integrations
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3/27/2019 3:17:43 PM



#88

Benzo(b)fluoranthene

Concen: 20.259 ng

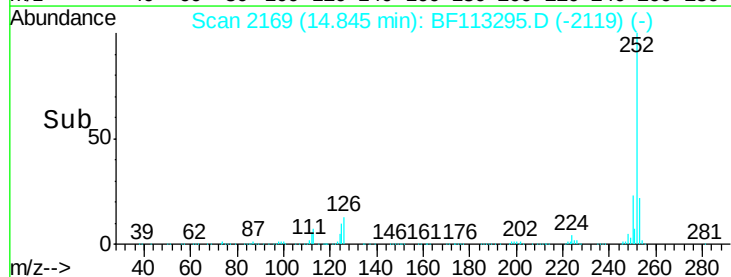
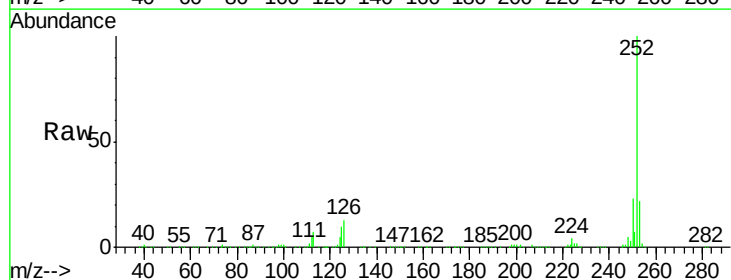
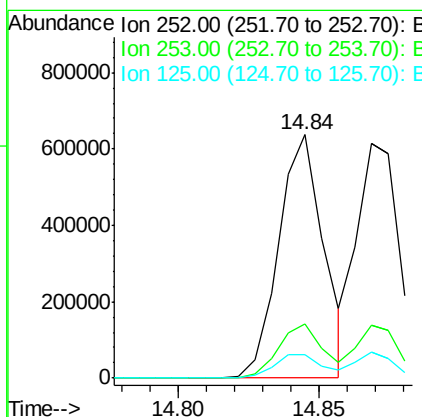
RT: 14.84 min Scan# 2169

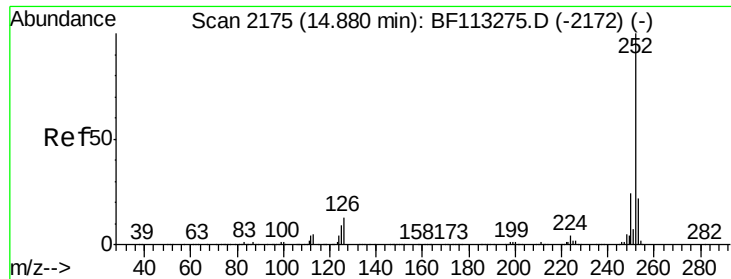
Delta R.T. -0.01 min

Lab File: BF113295.D

Acq: 26 Mar 2019 16:58

Tgt Ion:	252	Resp:	704183
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.0	27.0
125	9.7	7.6	11.4





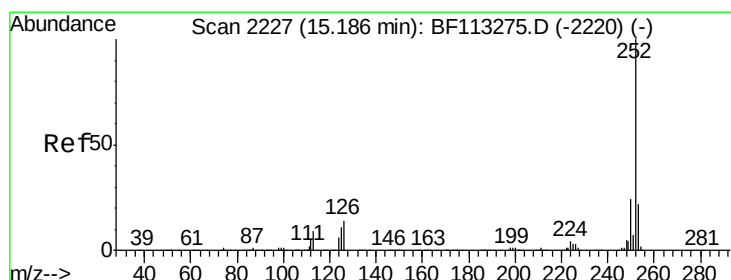
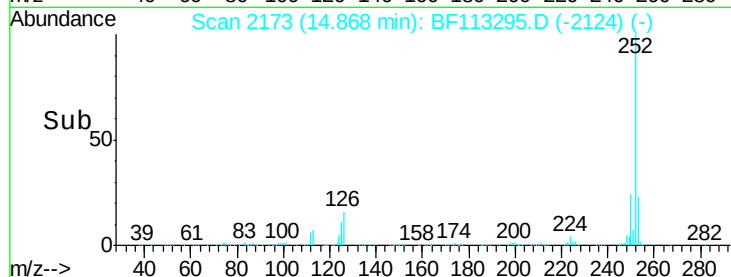
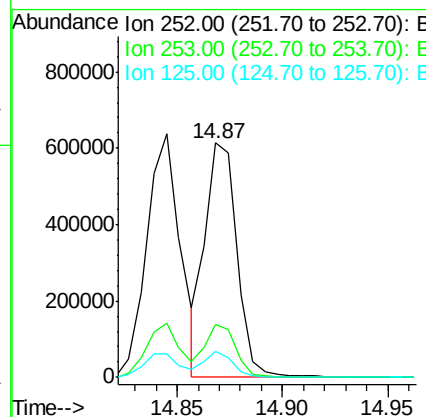
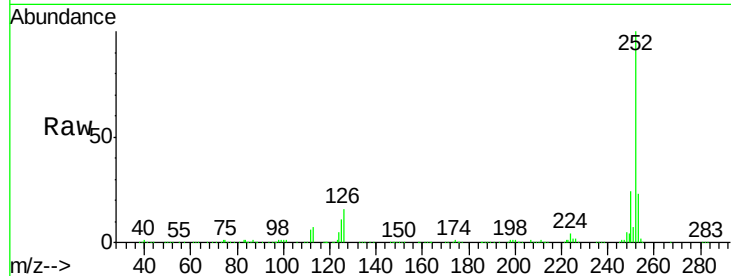
#89
Benzo(k)fluoranthene
Concen: 21.272 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	10.9	7.3	10.9

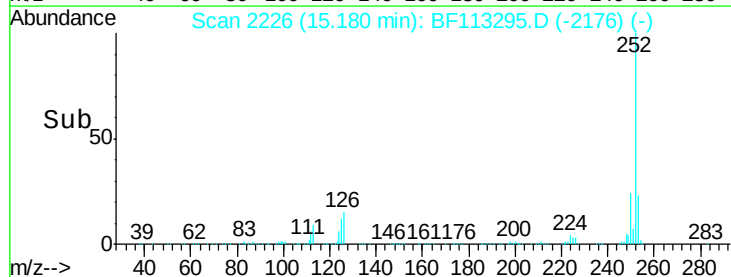
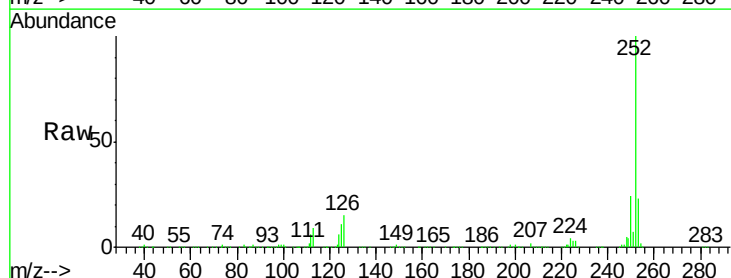
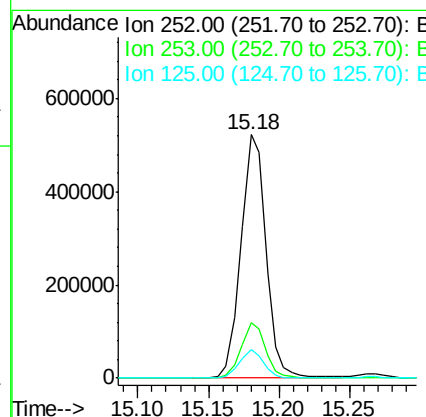
Manual Integrations
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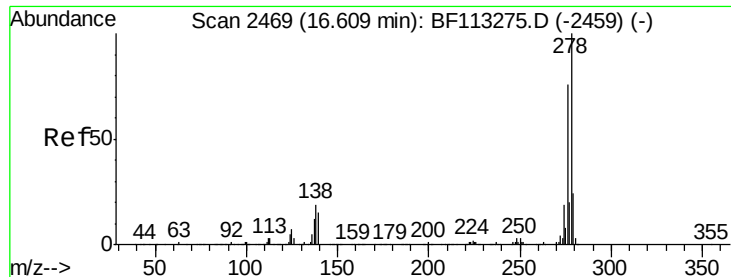
Sohil
3/27/2019 3:17:43 PM



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

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





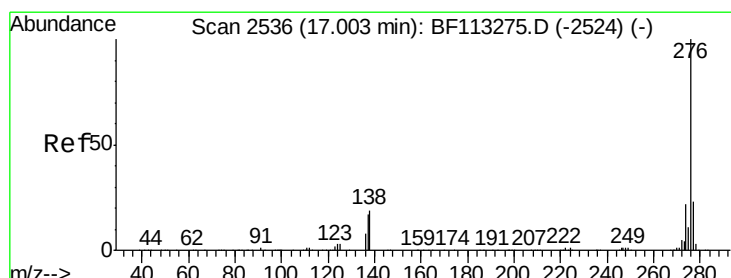
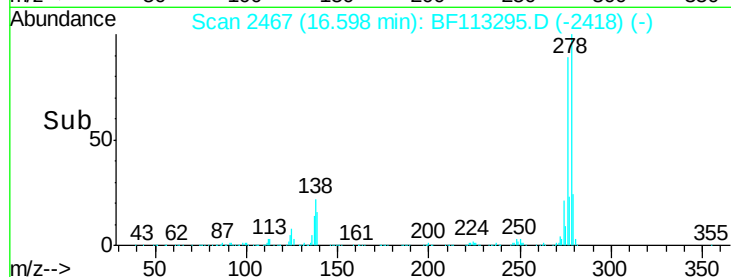
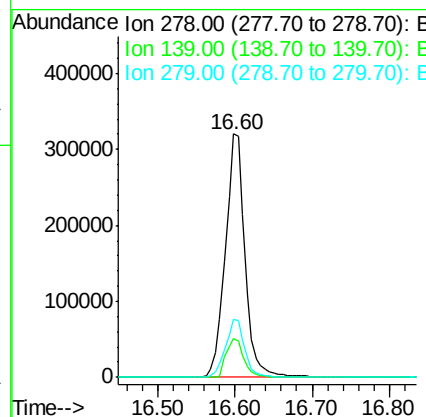
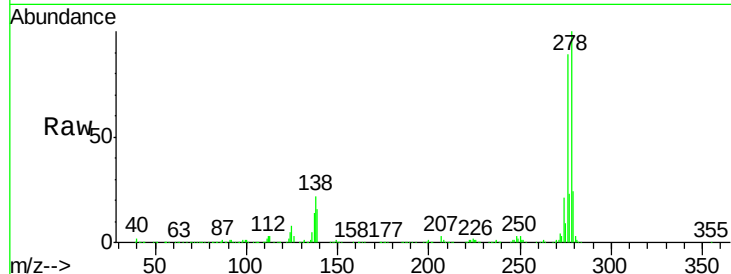
#91
Dibenzo(a,h)anthracene
Concen: 21.336 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.7	12.0	18.0
279	23.8	19.0	28.6

Manual Integrations
APPROVED

Sohil
3/27/2019 3:17:43 PM



#92
Benzo(g,h,i)perylene
Concen: 20.283 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF113295.D
Acq: 26 Mar 2019 16:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	20.9	15.6	23.4

