

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073019\
 Data File : BF115846.D
 Acq On : 30 Jul 2019 17:15
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-SOIL-5PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Quant Time: Jul 31 04:37:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 04:26:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	137429	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	542425	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	289215	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	501742	20.00	ng	0.00
76) Chrysene-d12	14.02	240	392134	20.00	ng	0.00
87) Perylene-d12	15.49	264	373983	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1001190	121.96	ng	0.00
7) Phenol-d6	6.49	99	1248940	120.58	ng	0.00
23) Nitrobenzene-d5	7.42	82	780784	83.09	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	337573	120.39	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1299920	84.19	ng	0.00
79) Terphenyl-d14	12.96	244	1390353	74.71	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	22035	5.313	ng	99
3) Pyridine	3.45	79	48066	4.149	ng	95
4) n-Nitrosodimethylamine	3.31	42	21277	4.654	ng	# 99
6) Aniline	6.52	93	76919	5.186	ng	98
8) 2-Chlorophenol	6.64	128	47463	5.228	ng	98
9) Benzaldehyde	6.40	77	41823	5.852	ng	99
10) Phenol	6.49	94	65261	5.351	ng	84
11) bis(2-Chloroethyl)ether	6.59	93	46310	5.164	ng	96
12) 1,3-Dichlorobenzene	6.79	146	53725	5.121	ng	96
13) 1,4-Dichlorobenzene	6.87	146	54810	5.218	ng	98
14) 1,2-Dichlorobenzene	7.02	146	50758	5.248	ng	99
15) Benzyl Alcohol	6.99	79	48890	6.220	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	60623	4.956	ng	98
17) 2-Methylphenol	7.10	107	40132	5.221	ng	97
18) Hexachloroethane	7.36	117	18812	4.864	ng	93
19) n-Nitroso-di-n-propylamine	7.26	70	33274	5.184	ng	95
20) 3+4-Methylphenols	7.26	107	52474	5.769	ng	# 47
22) Acetophenone	7.26	105	69902	5.876	ng	97
24) Nitrobenzene	7.43	77	56729	5.591	ng	97
25) Isophorone	7.67	82	90225	5.021	ng	99
26) 2-Nitrophenol	7.75	139	22010	4.602	ng	96
27) 2,4-Dimethylphenol	7.79	122	41296	5.739	ng	96
28) bis(2-Chloroethoxy)methane	7.87	93	55519	4.985	ng	97
29) 2,4-Dichlorophenol	7.99	162	37869	4.984	ng	97
30) 1,2,4-Trichlorobenzene	8.07	180	43768	5.054	ng	98
31) Naphthalene	8.15	128	146688	5.747	ng	98
32) Benzoic acid	7.89	122	14335	2.826	ng	86
33) 4-Chloroaniline	8.20	127	58889	5.163	ng	98
34) Hexachlorobutadiene	8.27	225	24240	4.859	ng	99
35) Caprolactam	8.53	113	11798	4.801	ng	93
36) 4-Chloro-3-methylphenol	8.69	107	40684	5.147	ng	96
37) 2-Methylnaphthalene	8.85	142	96188	5.722	ng	96
38) 1-Methylnaphthalene	8.95	142	88332	5.554	ng	96
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	40826	5.280	ng	98

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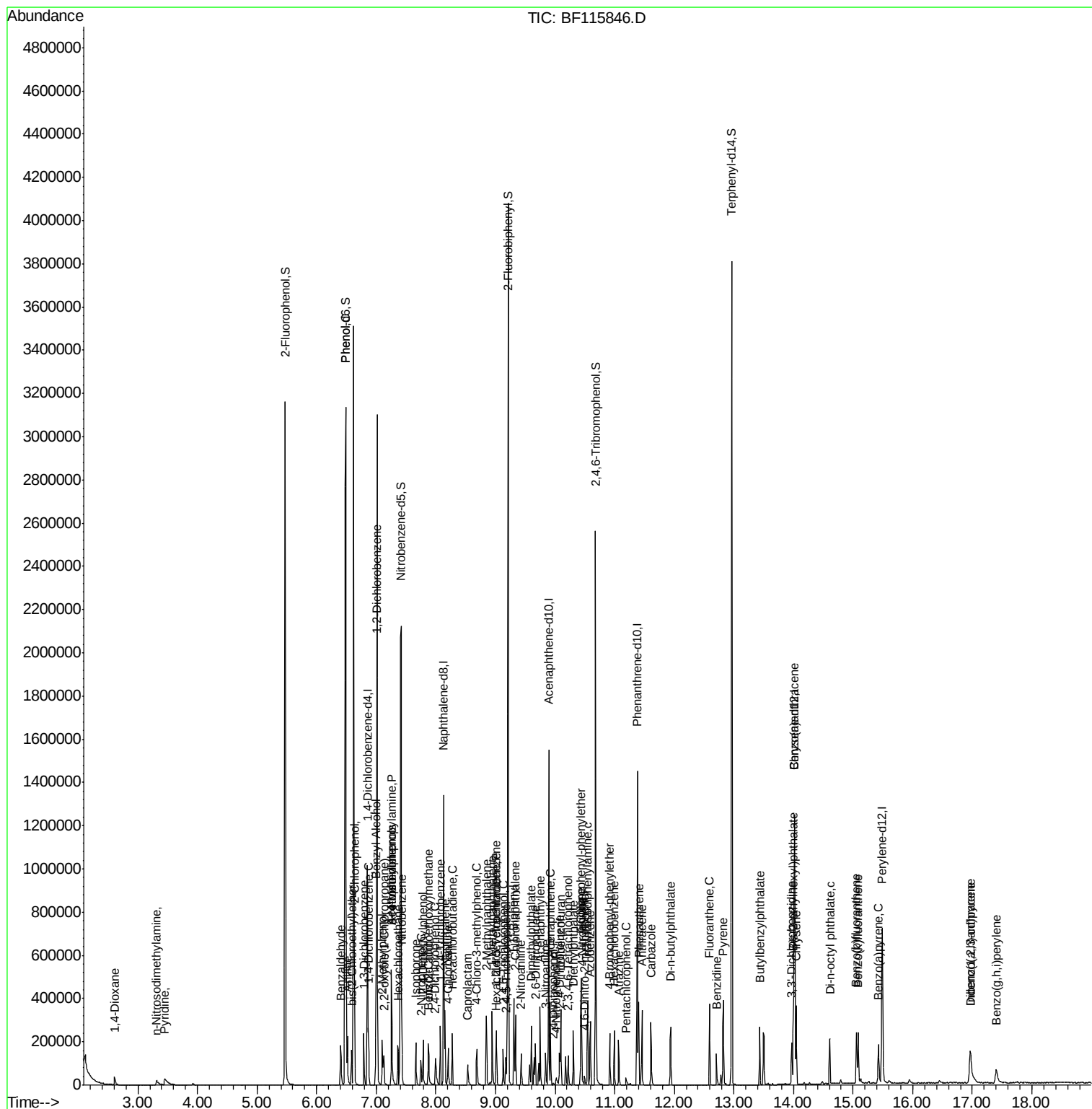
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	6077	2.011	ng	93
43) 2,4,6-Trichlorophenol	9.13	196	23730	4.459	ng	97
44) 2,4,5-Trichlorophenol	9.17	196	25890	4.706	ng	95
46) 1,1'-Biphenyl	9.31	154	117234	5.742	ng	98
47) 2-Chloronaphthalene	9.34	162	88007	5.179	ng	98
48) 2-Nitroaniline	9.43	65	25886	4.608	ng	91
49) Acenaphthylene	9.75	152	138716	5.595	ng	98
50) Dimethylphthalate	9.60	163	96921	4.922	ng	99
51) 2,6-Dinitrotoluene	9.67	165	21086	4.927	ng	92
52) Acenaphthene	9.92	154	84669	5.567	ng	99
53) 3-Nitroaniline	9.84	138	23846	4.510	ng	93
54) 2,4-Dinitrophenol	9.97	184	2718	1.496	ng	# 85
55) Dibenzofuran	10.10	168	127434	5.761	ng	98
56) 4-Nitrophenol	10.02	139	11061	3.265	ng	93
57) 2,4-Dinitrotoluene	10.08	165	25513	4.478	ng	# 94
58) Fluorene	10.44	166	98391	5.782	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	21930	4.738	ng	# 99
60) Diethylphthalate	10.31	149	92465	5.029	ng	99
61) 4-Chlorophenyl-phenylether	10.43	204	46865	5.437	ng	93
62) 4-Nitroaniline	10.45	138	24233	4.434	ng	98
63) Azobenzene	10.59	77	102278	5.409	ng	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	7423	2.792	ng	91
66) n-Nitrosodiphenylamine	10.55	169	84185	5.574	ng	99
67) 4-Bromophenyl-phenylether	10.92	248	27285	5.080	ng	95
68) Hexachlorobenzene	10.99	284	30682	4.940	ng	93
69) Atrazine	11.07	200	23654	4.761	ng	96
70) Pentachlorophenol	11.19	266	8599	2.852	ng	95
71) Phenanthrene	11.40	178	148357	5.784	ng	97
72) Anthracene	11.46	178	148098	5.705	ng	98
73) Carbazole	11.61	167	130708	5.550	ng	97
74) Di-n-butylphthalate	11.94	149	131329	4.780	ng	98
75) Fluoranthene	12.59	202	146498	5.456	ng	99
77) Benzidine	12.71	184	57865	4.368	ng	97
78) Pyrene	12.82	202	155575	5.263	ng	98
80) Butylbenzylphthalate	13.43	149	50677	4.053	ng	96
81) Benzo(a)anthracene	14.01	228	127918	5.104	ng	98
82) 3,3'-Dichlorobenzidine	13.97	252	42939	4.931	ng	# 99
83) Chrysene	14.04	228	126122	5.183	ng	97
84) Bis(2-ethylhexyl)phthalate	14.00	149	68016	4.186	ng	98
85) Di-n-octyl phthalate	14.61	149	105033	4.070	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	94186	4.609	ng	98
88) Benzo(b)fluoranthene	15.06	252	109821	5.079	ng	99
89) Benzo(k)fluoranthene	15.09	252	105408	5.005	ng	97
90) Benzo(a)pyrene	15.43	252	97426	5.040	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	77660	4.641	ng	98
92) Benzo(g,h,i)perylene	17.40	276	76750	4.671	ng	98

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

```
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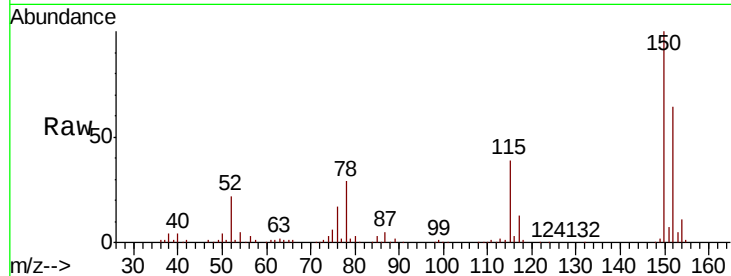


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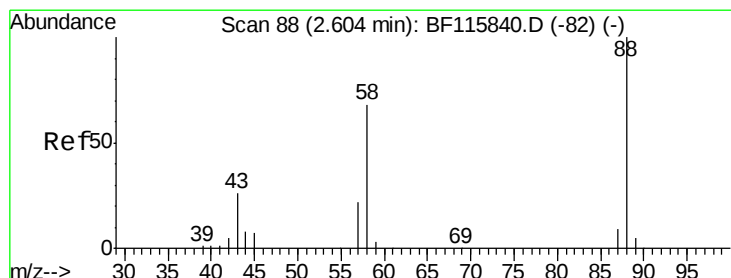
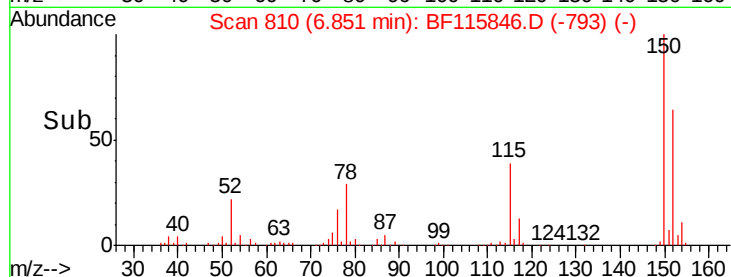
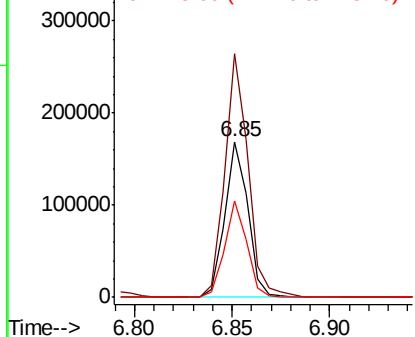
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:152 Resp: 137429
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 61.6 51.8 77.8



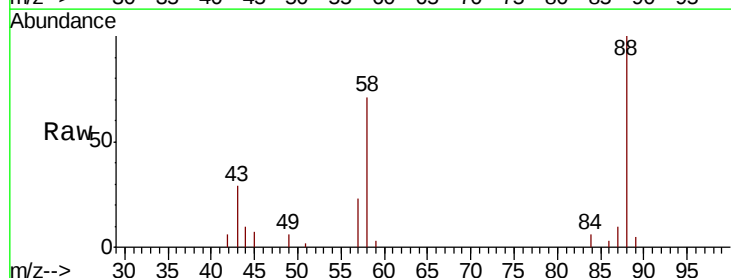
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



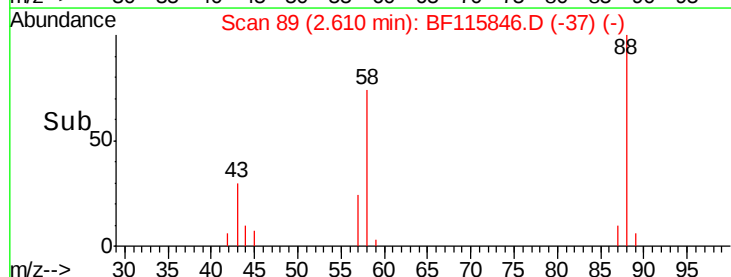
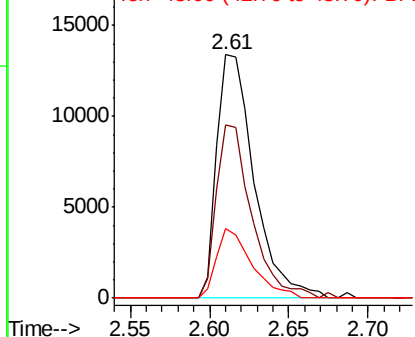
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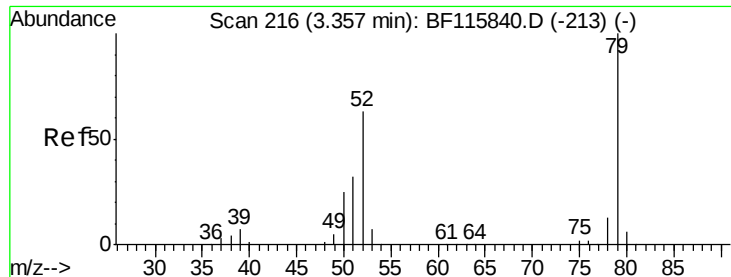
1,4-Dioxane
Concen: 5.313 ng
RT: 2.61 min Scan# 89
Delta R.T. 0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion: 88 Resp: 22035
Ion Ratio Lower Upper
88 100
58 67.4 54.1 81.1
43 26.8 20.7 31.1



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

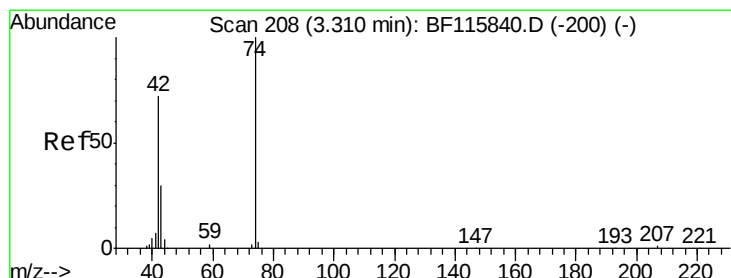
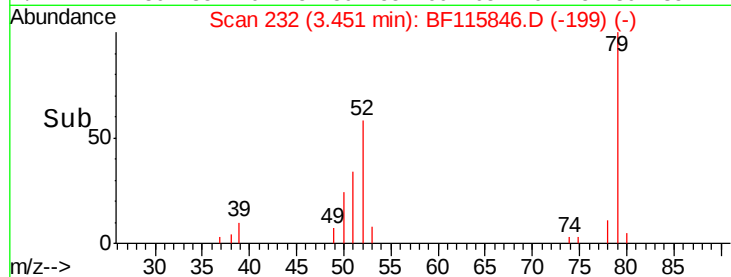
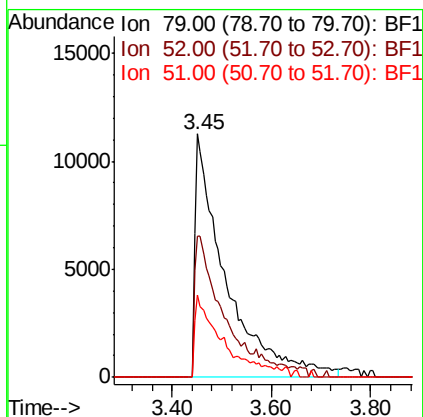
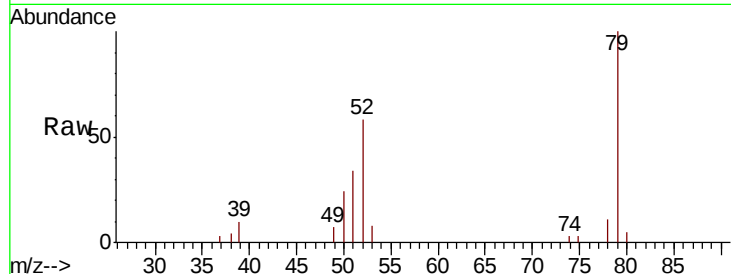




#3
 Pvridine
 Concen: 4.149 ng
 RT: 3.45 min Scan# 232
 Delta R.T. 0.09 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

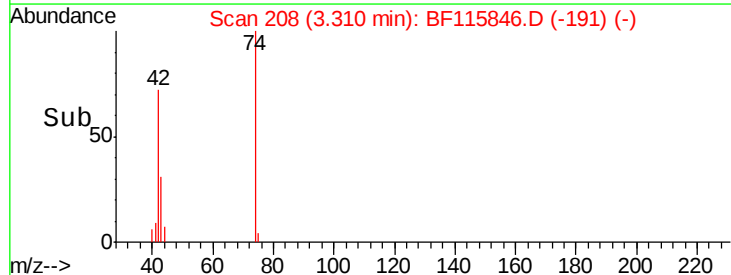
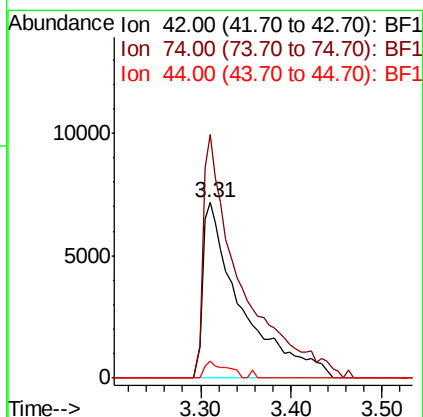
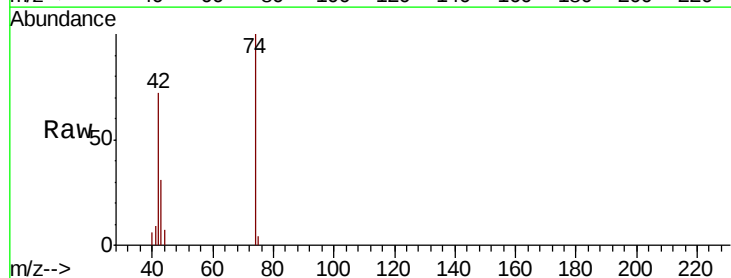
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 79 Resp: 48066
 Ion Ratio Lower Upper
 79 100
 52 57.8 50.2 75.4
 51 33.6 25.8 38.6



#4
 n-Nitrosodimethylamine
 Concen: 4.654 ng
 RT: 3.31 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion: 42 Resp: 21277
 Ion Ratio Lower Upper
 42 100
 74 138.8 111.0 166.4
 44 9.7 4.7 7.1#





#5

2-Fluorophenol

Concen: 121.958 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

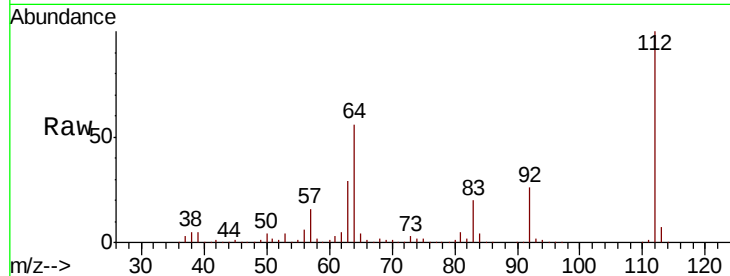
Tot Ion:112 Resp: 1001190

Ion Ratio Lower Upper

112 100

64 55.9 46.8 70.2

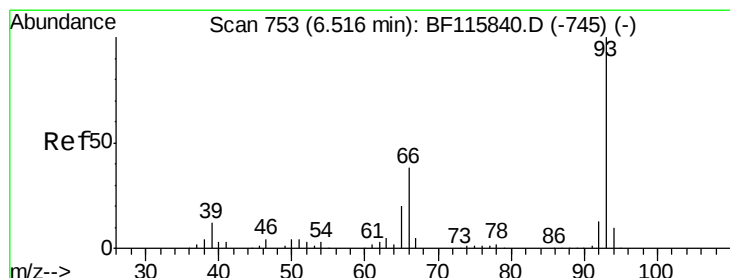
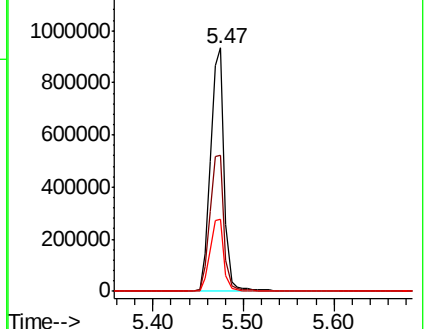
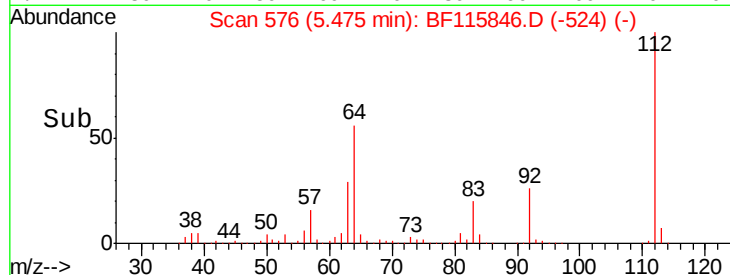
63 29.5 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 5.186 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

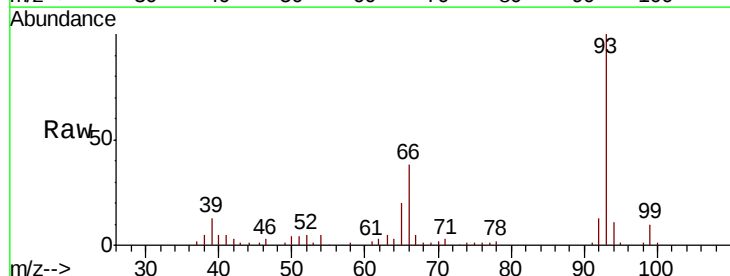
Tgt Ion: 93 Resp: 76919

Ion Ratio Lower Upper

93 100

66 38.3 31.4 47.0

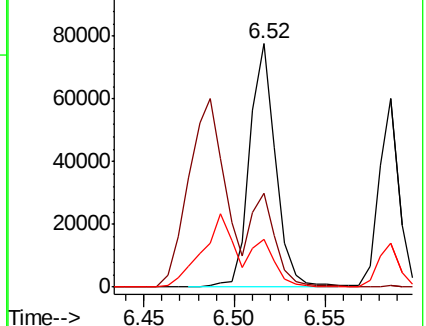
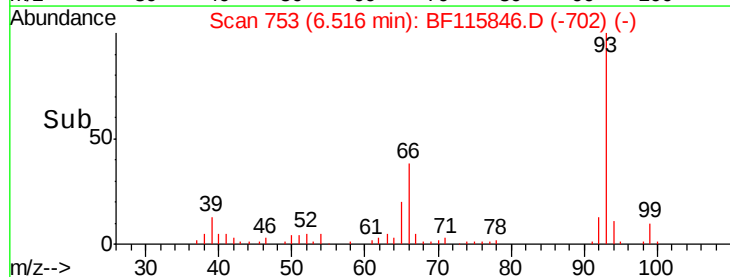
65 19.7 16.5 24.7

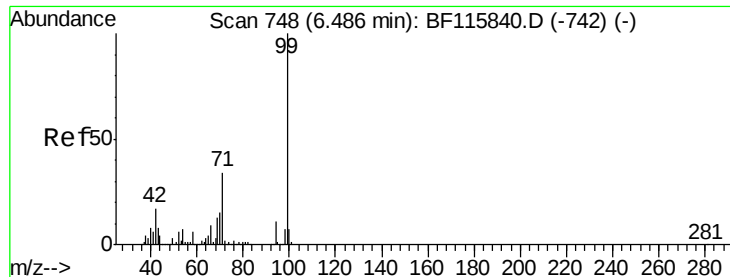


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 120.583 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115846.D

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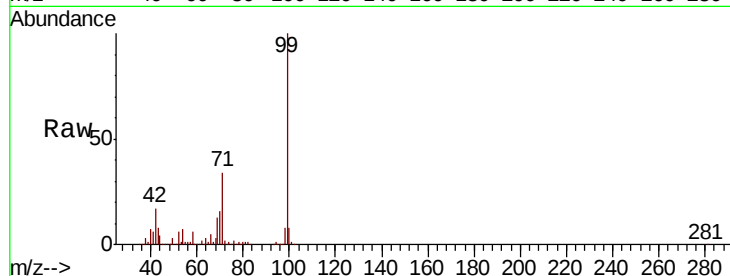
Tot Ion: 99 Resp: 1248940

Ion Ratio Lower Upper

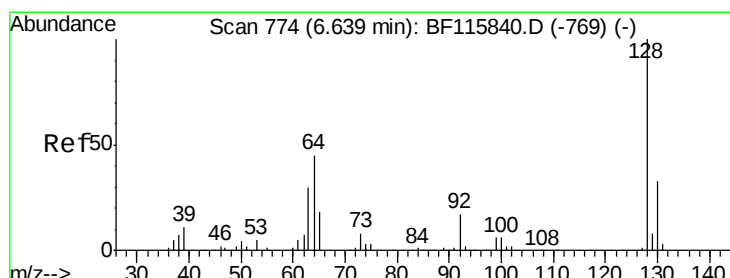
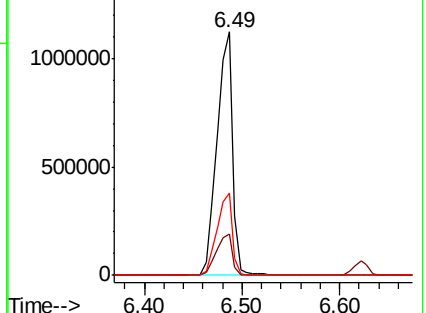
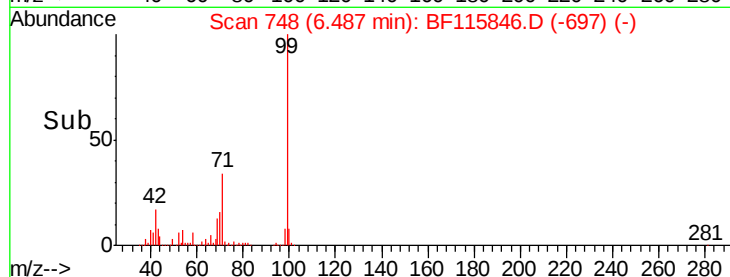
99 100

42 16.9 13.8 20.6

71 33.7 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000 Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 5.228 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

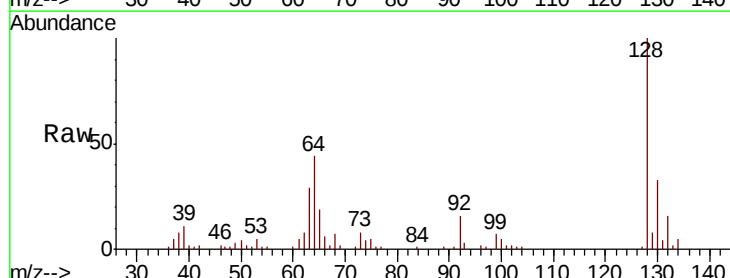
Tgt Ion: 128 Resp: 47463

Ion Ratio Lower Upper

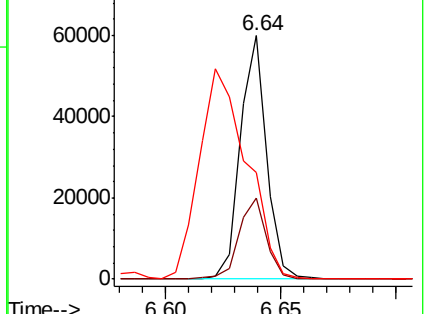
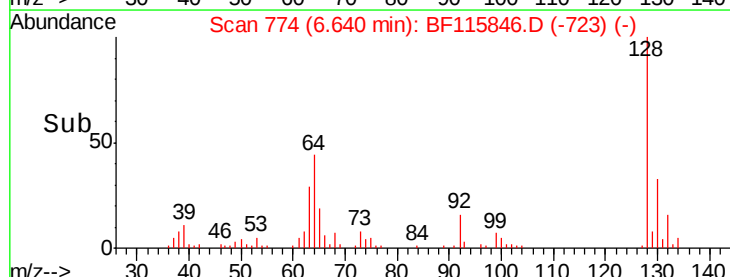
128 100

130 33.3 12.9 52.9

64 43.7 26.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): E
80000 Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 5.852 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

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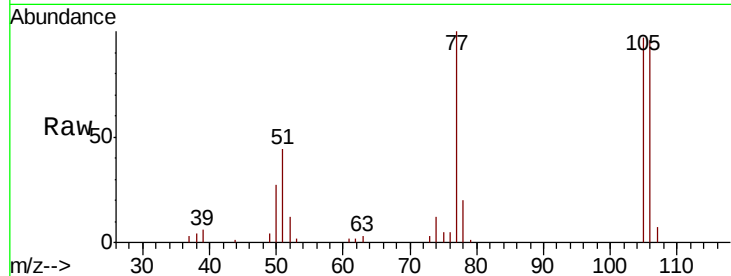
Tot Ion: 77 Resp: 41823

Ion Ratio Lower Upper

77 100

105 97.5 79.0 119.0

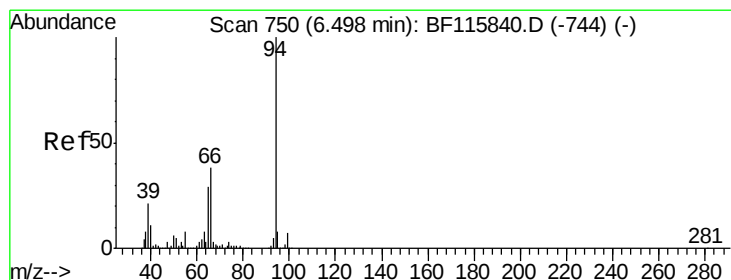
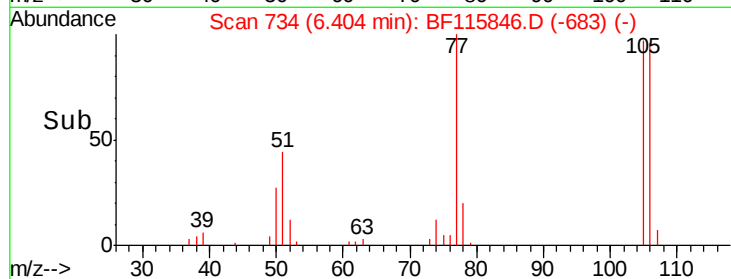
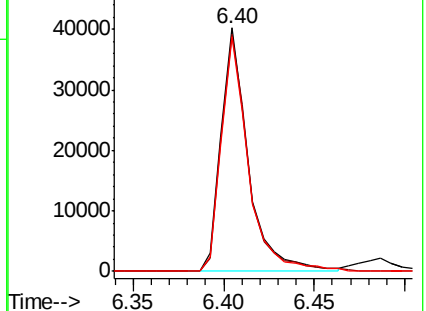
106 96.3 76.2 116.2



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 5.351 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

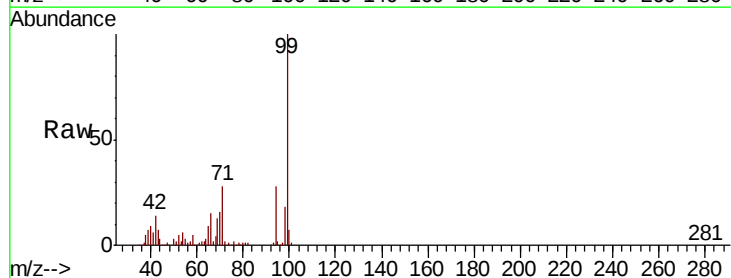
Tgt Ion: 94 Resp: 65261

Ion Ratio Lower Upper

94 100

65 30.9 8.9 48.9

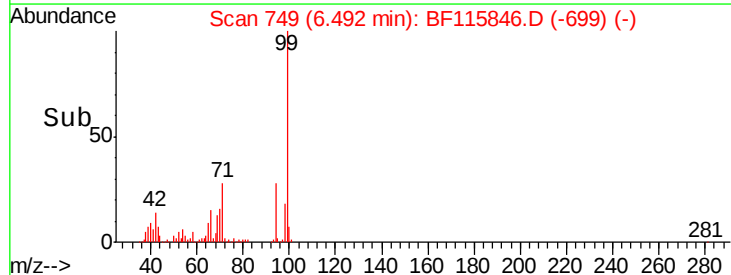
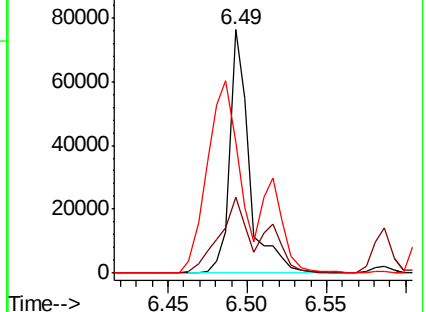
66 53.7 18.0 58.0



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

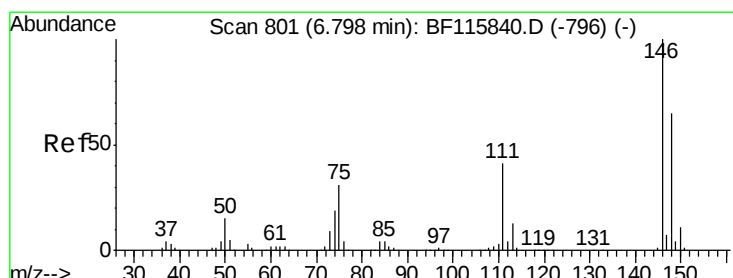
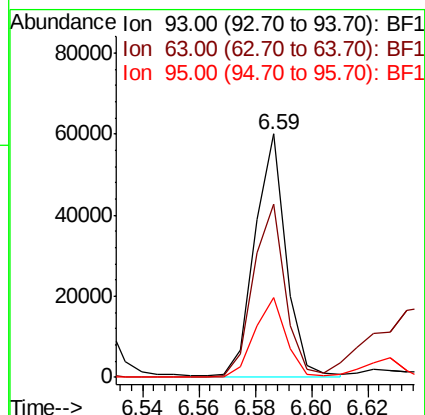
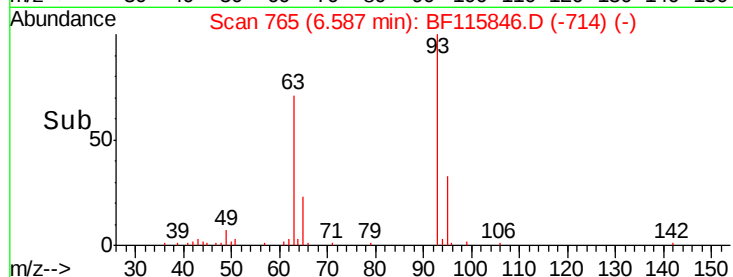
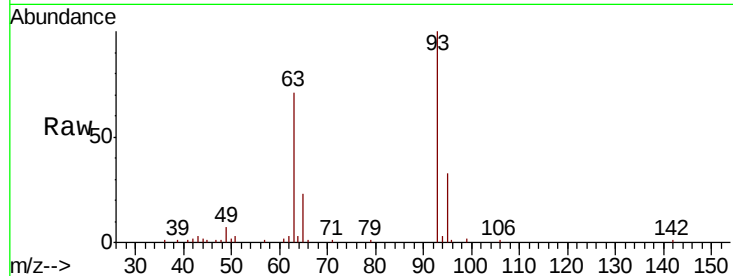




#11
bis(2-Chloroethyl)ether
Concen: 5.164 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

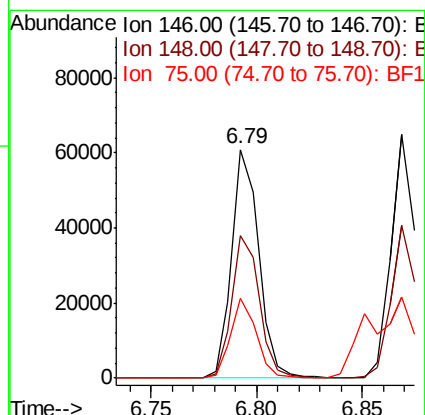
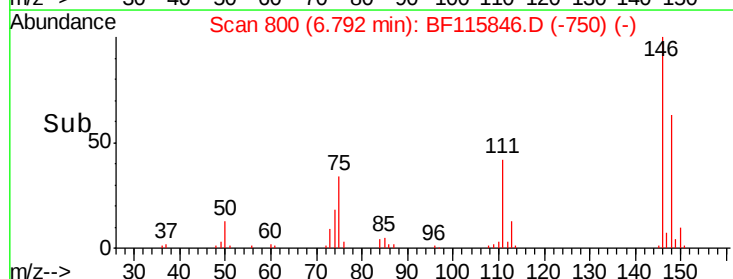
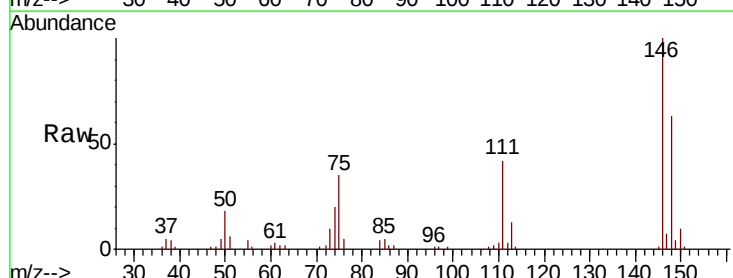
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

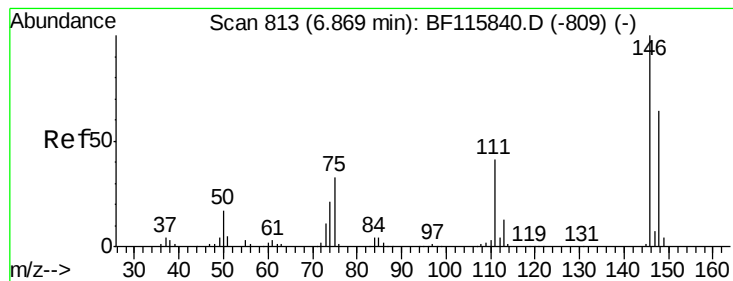
Tot Ion: 93 Resp: 46310
Ion Ratio Lower Upper
93 100
63 70.9 54.9 94.9
95 32.6 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 5.121 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion: 146 Resp: 53725
Ion Ratio Lower Upper
146 100
148 62.6 52.1 78.1
75 34.7 25.0 37.6





#13

1,4-Dichlorobenzene

Concen: 5.218 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

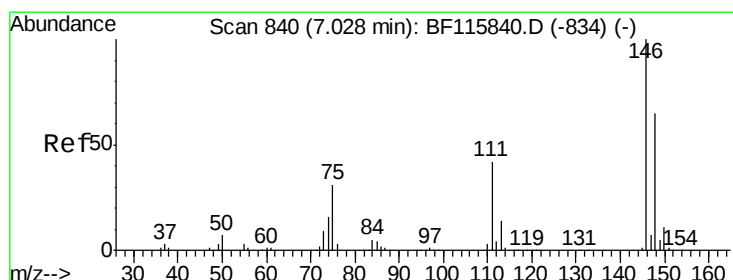
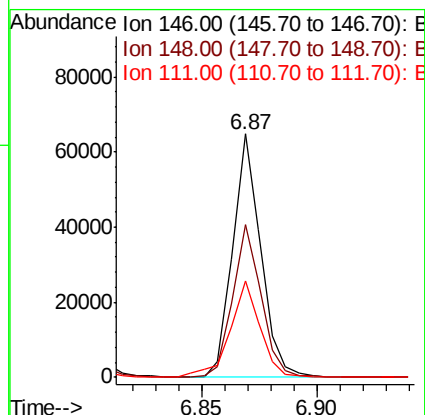
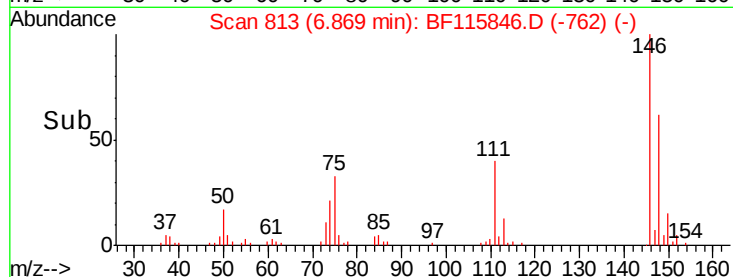
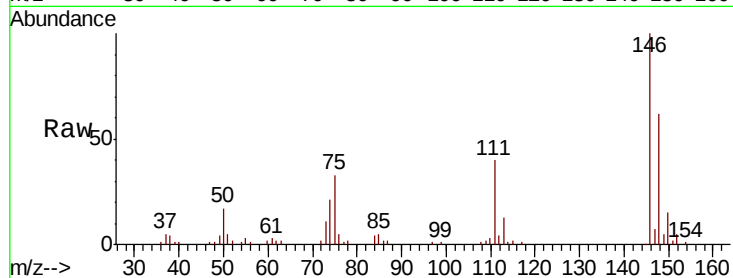
Tot Ion:146 Resp: 54810

Ion Ratio Lower Upper

146 100

148 62.5 51.2 76.8

111 39.6 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 5.248 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

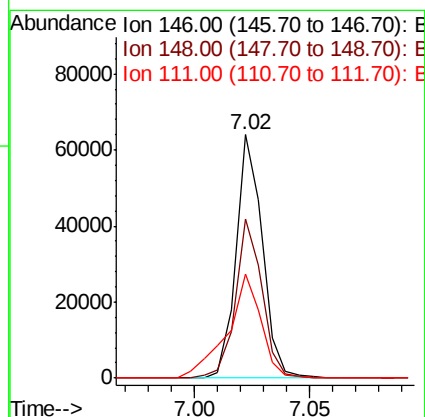
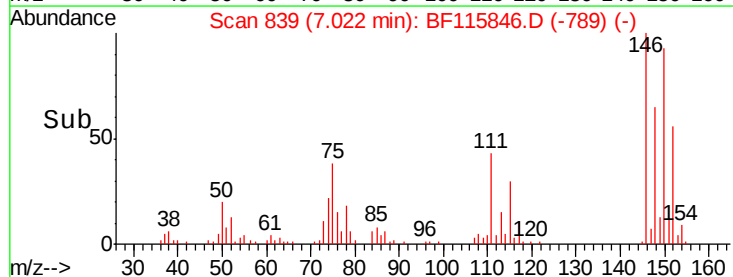
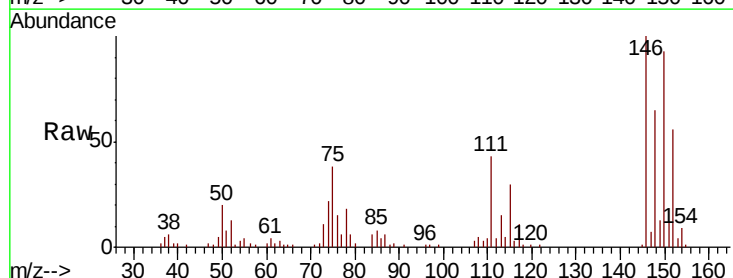
Tgt Ion:146 Resp: 50758

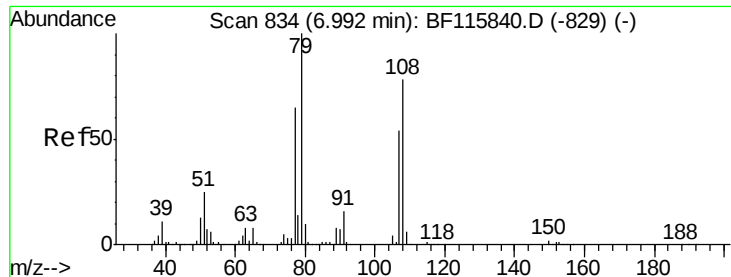
Ion Ratio Lower Upper

146 100

148 65.1 51.6 77.4

111 42.8 33.6 50.4





#15

Benzyl Alcohol

Concen: 6.220 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

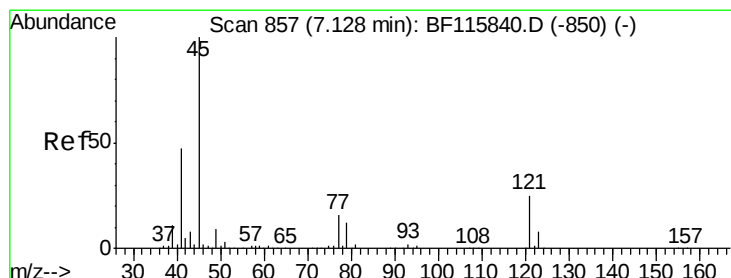
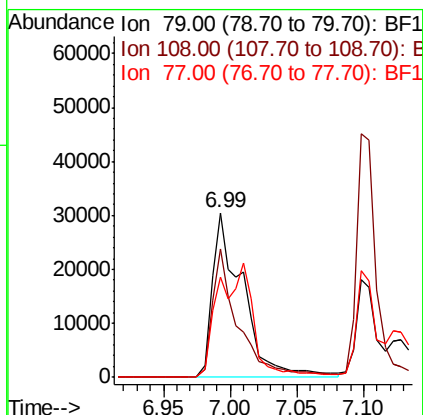
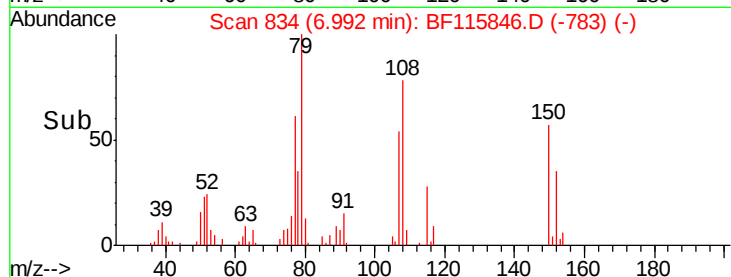
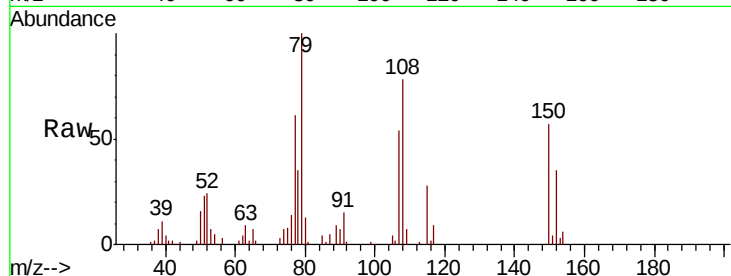
Tot Ion: 79 Resp: 48890

Ion Ratio Lower Upper

79 100

108 77.9 62.8 94.2

77 61.1 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.956 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

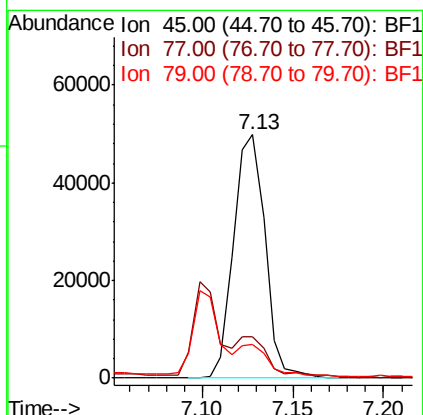
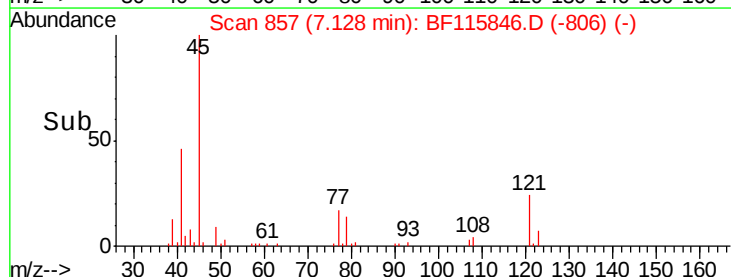
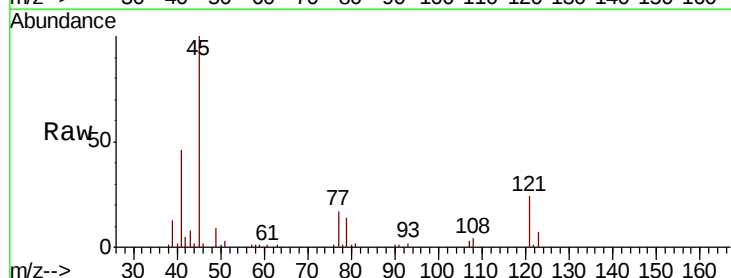
Tgt Ion: 45 Resp: 60623

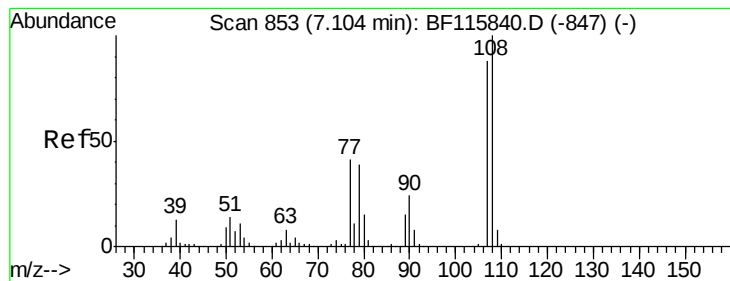
Ion Ratio Lower Upper

45 100

77 16.7 0.0 36.3

79 13.8 0.0 32.5

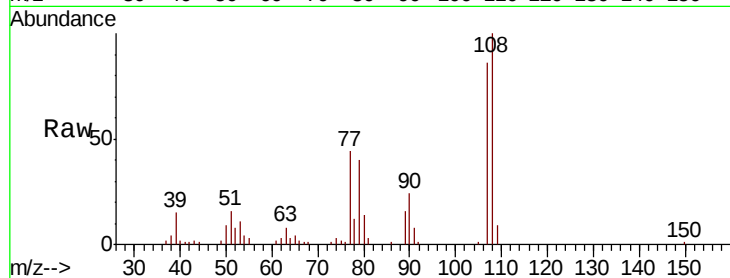




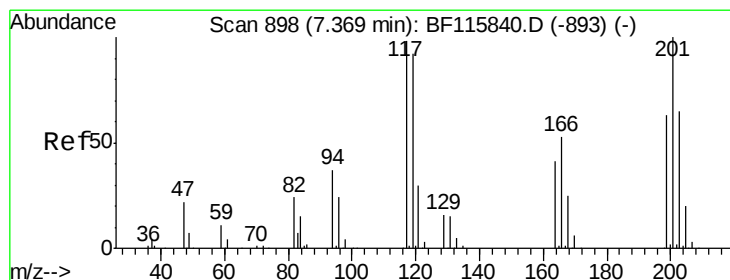
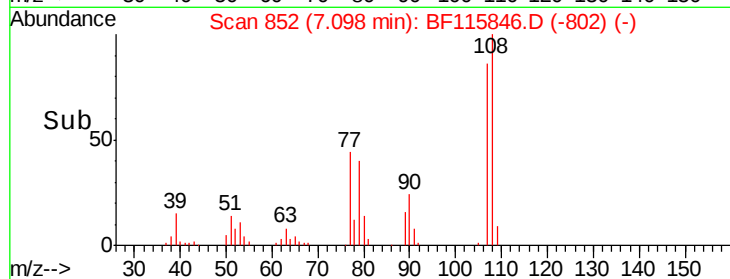
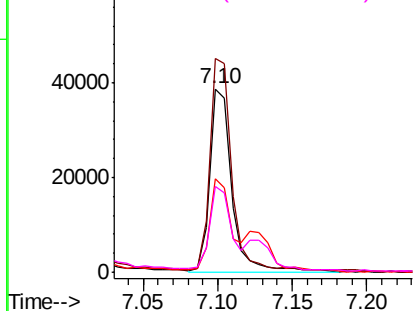
#17
2-Methylphenol
Concen: 5.221 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:107 Resp: 40132
Ion Ratio Lower Upper
107 100
108 116.4 91.4 137.0
77 51.1 37.6 56.4
79 46.5 36.2 54.4

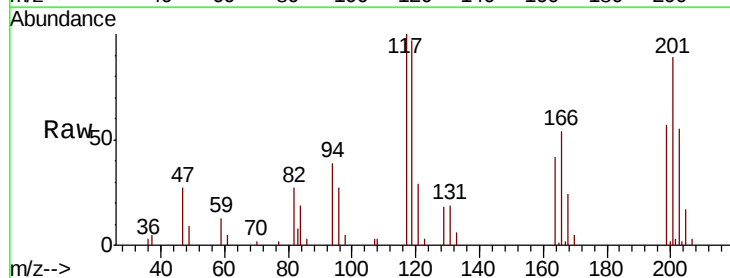


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

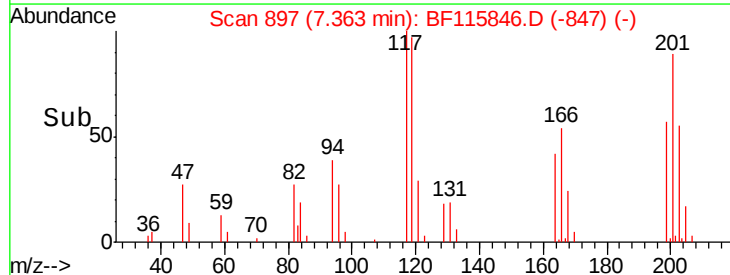
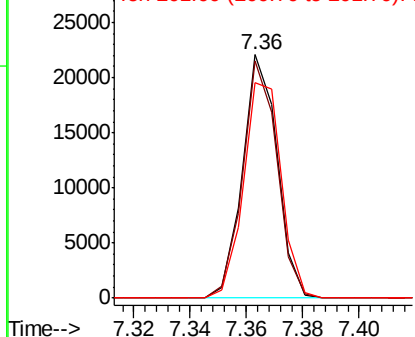


#18
Hexachloroethane
Concen: 4.864 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:117 Resp: 18812
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.6
201 91.6 82.0 123.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

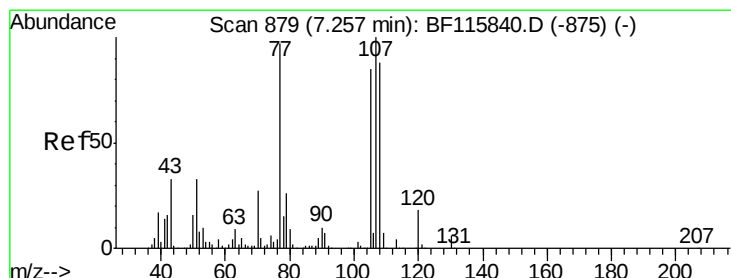
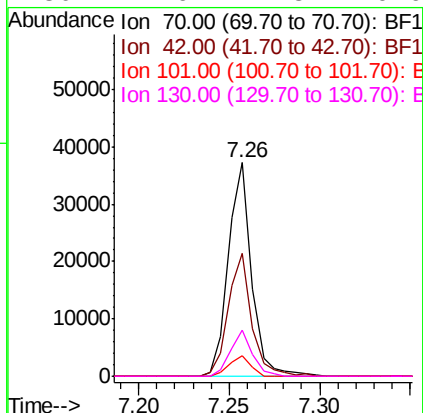
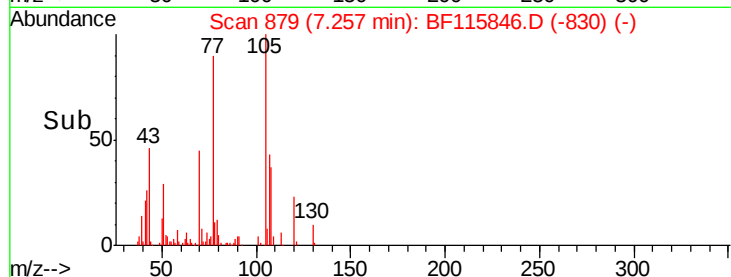
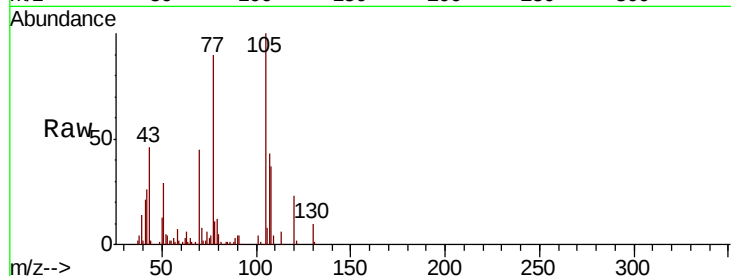




#19
n-Nitroso-di-n-propylamine
Concen: 5.184 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

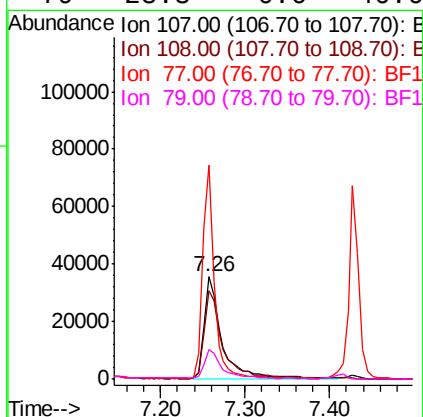
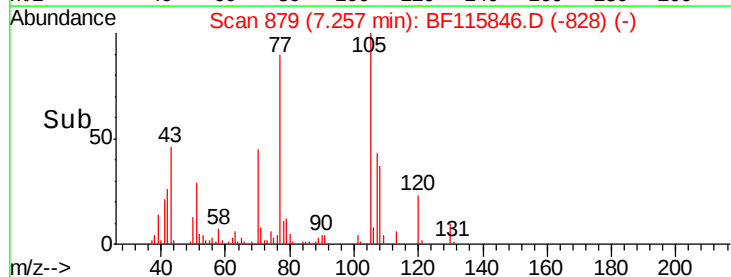
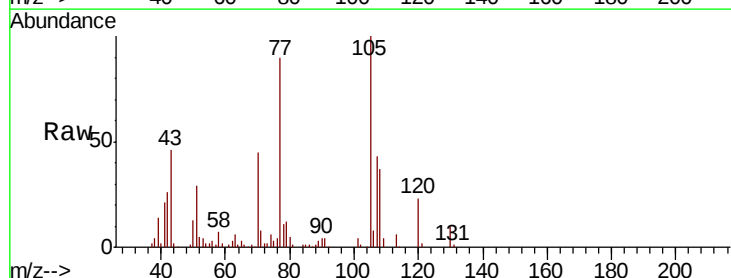
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

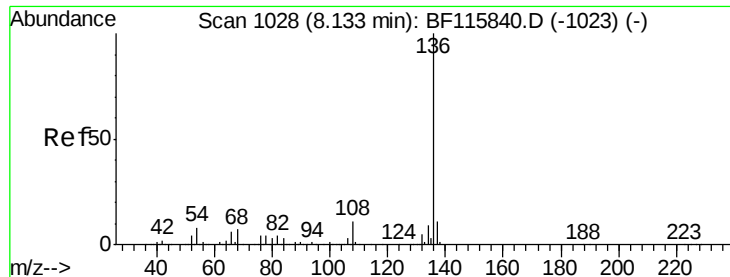
Tot Ion: 70 Resp: 33274
Ion Ratio Lower Upper
70 100
42 57.6 41.8 62.8
101 9.5 7.7 11.5
130 21.6 17.8 26.6



#20
3+4-Methylphenols
Concen: 5.769 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:107 Resp: 52474
Ion Ratio Lower Upper
107 100
108 86.8 67.9 107.9
77 209.5 77.3 117.3#
79 28.3 6.6 46.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:136 Resp: 542425

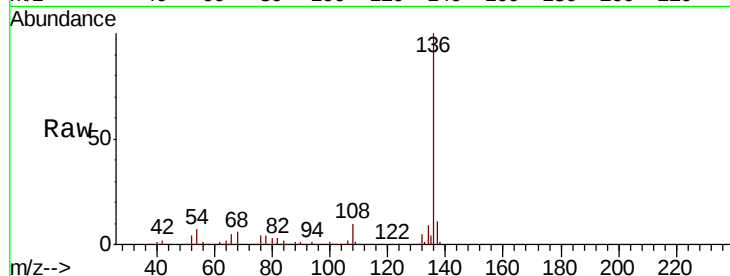
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.0 6.1 9.1

68 6.1 5.4 8.2

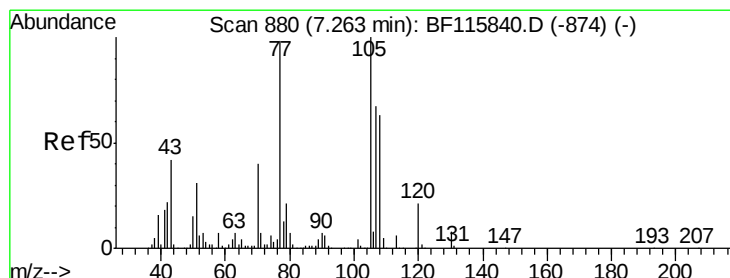
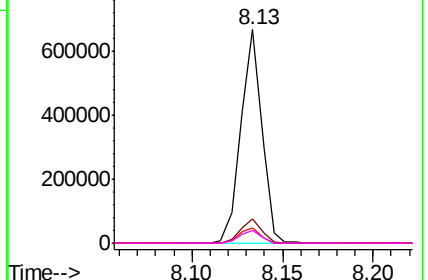
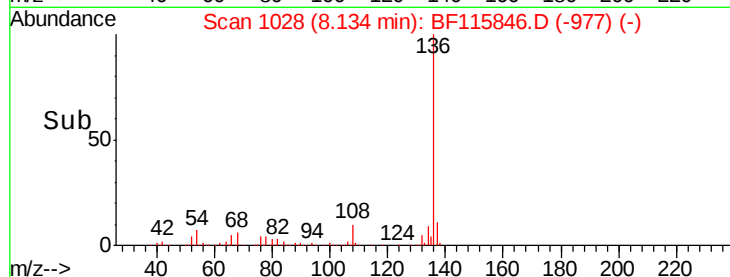


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 5.876 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Tgt Ion:105 Resp: 69902

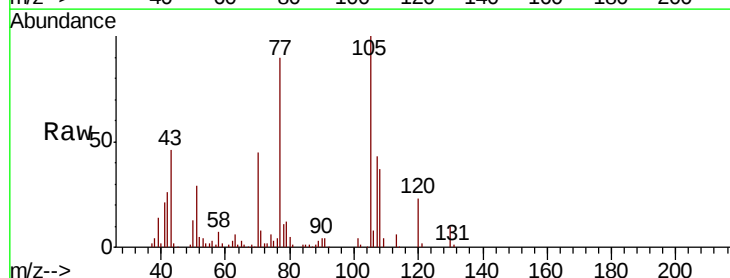
Ion Ratio Lower Upper

105 100

71 7.7 5.4 8.0

51 28.8 24.6 36.8

120 22.7 17.0 25.6

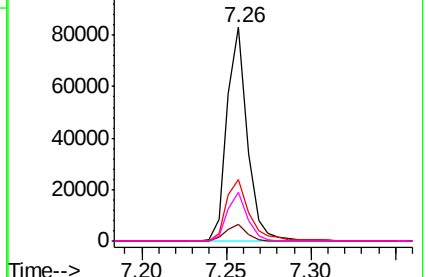
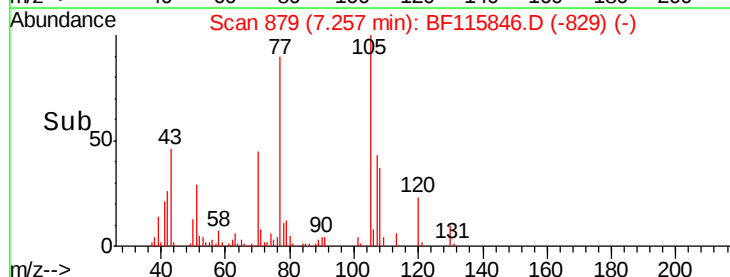


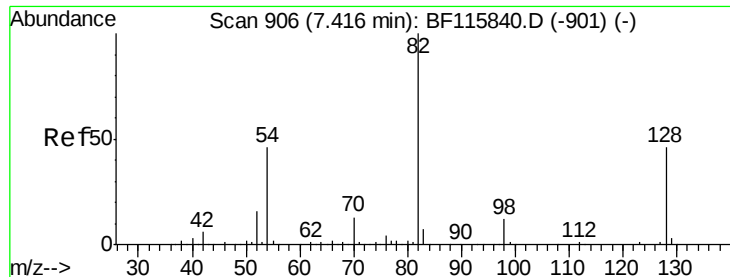
Abundance Ion 105.00 (104.70 to 105.70): E

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

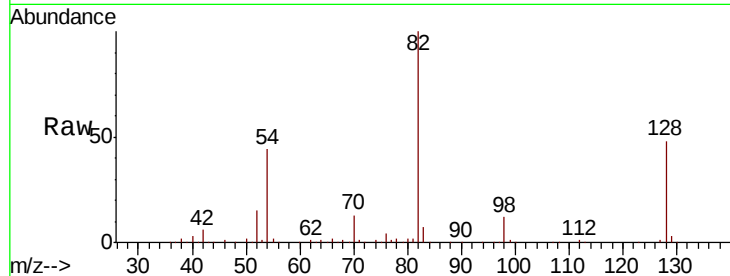




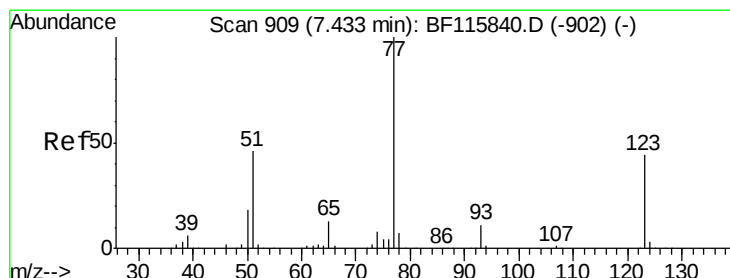
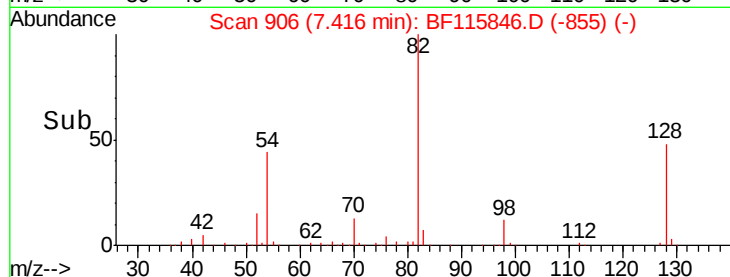
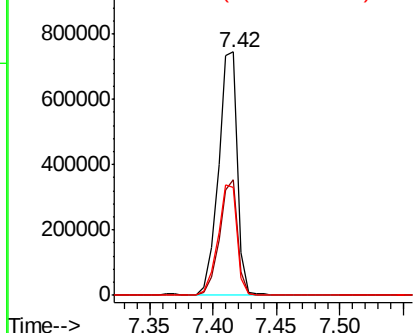
#23
 Nitrobenzene-d5
 Concen: 83.088 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 82 Resp: 780784
 Ion Ratio Lower Upper
 82 100
 128 47.7 36.6 55.0
 54 44.4 36.6 55.0

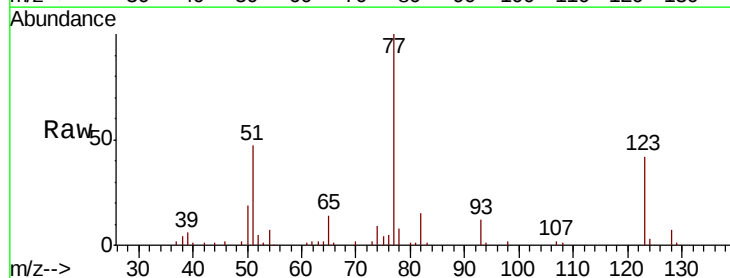


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

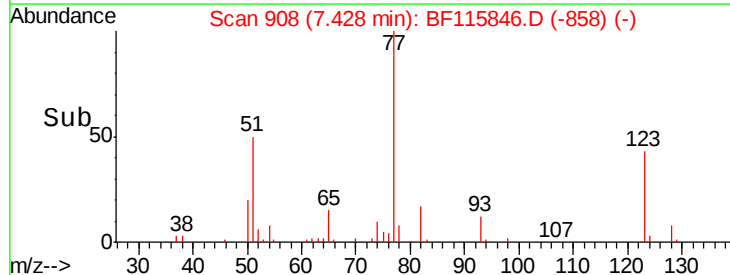
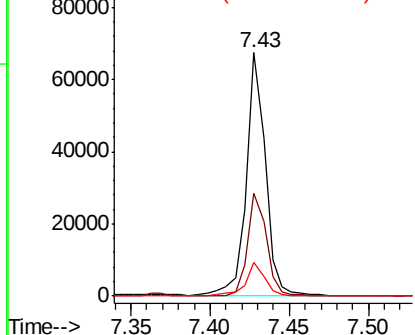


#24
 Nitrobenzene
 Concen: 5.591 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion: 77 Resp: 56729
 Ion Ratio Lower Upper
 77 100
 123 42.5 35.5 53.3
 65 13.9 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 5.021 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

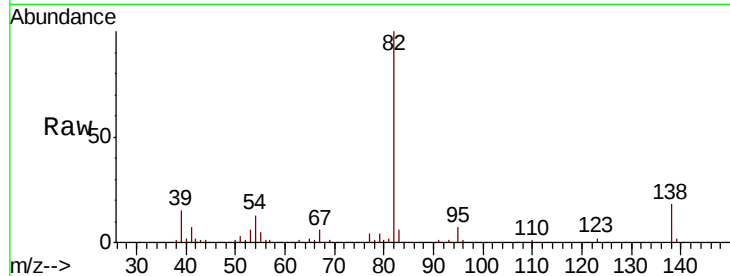
Tot Ion: 82 Resp: 90225

Ion Ratio Lower Upper

82 100

95 6.7 5.5 8.3

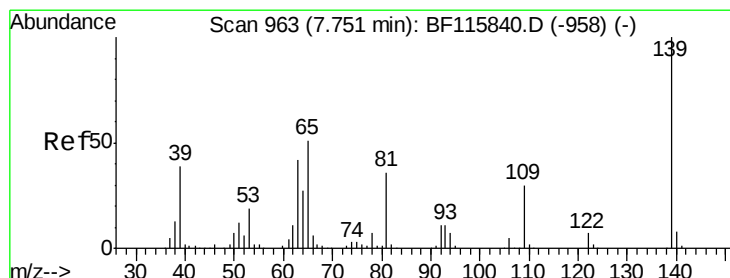
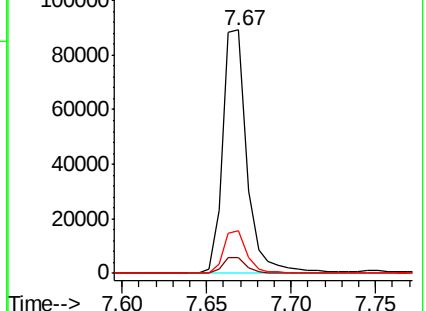
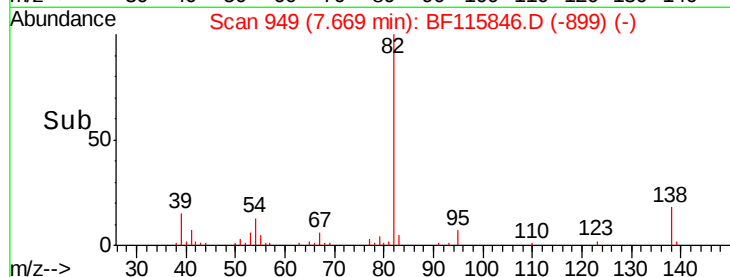
138 17.7 13.9 20.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 4.602 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

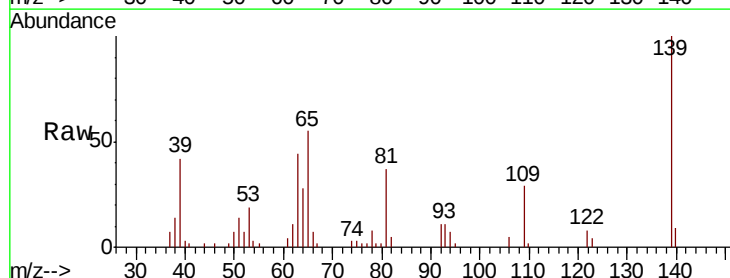
Tgt Ion: 139 Resp: 22010

Ion Ratio Lower Upper

139 100

109 29.3 23.6 35.4

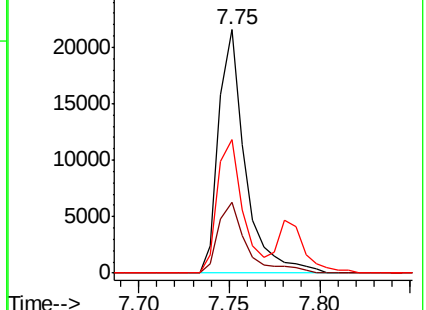
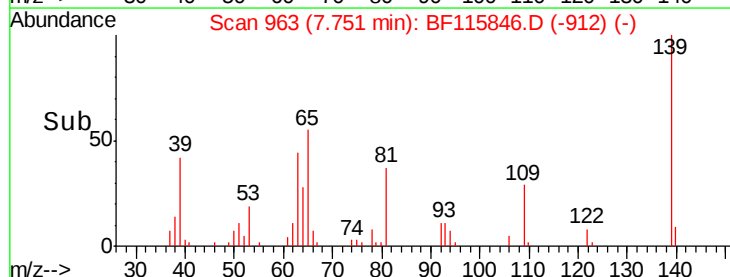
65 54.9 40.6 60.8

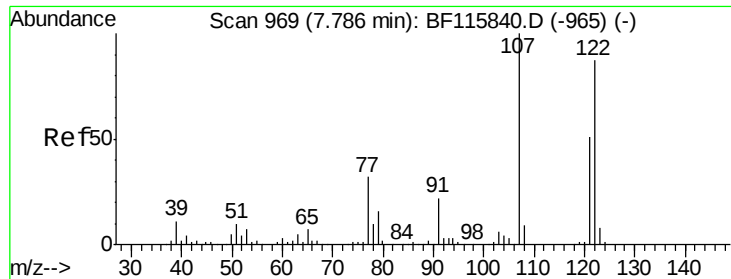


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

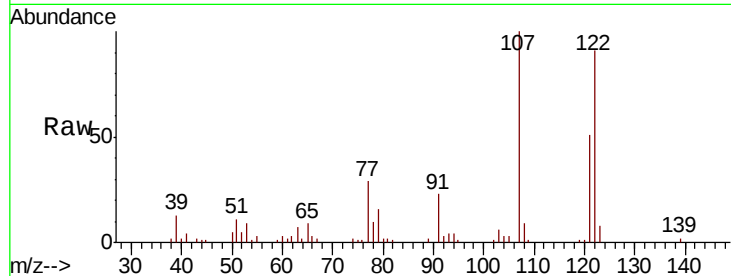




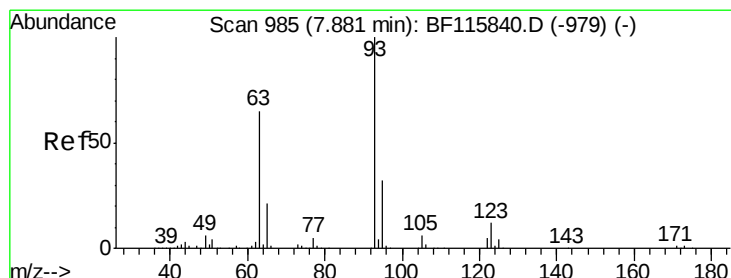
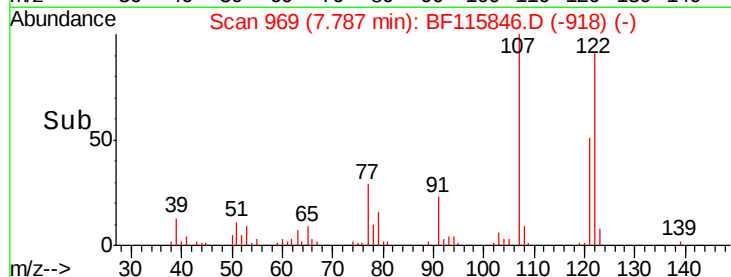
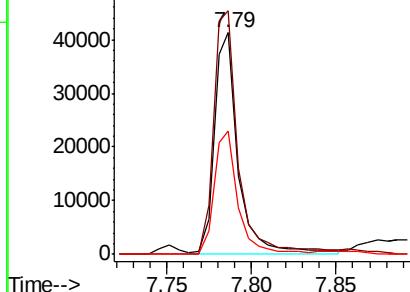
#27
 2,4-Dimethylphenol
 Concen: 5.739 ng
 RT: 7.79 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:122 Resp: 41296
 Ion Ratio Lower Upper
 122 100
 107 109.9 91.7 137.5
 121 55.8 46.6 70.0

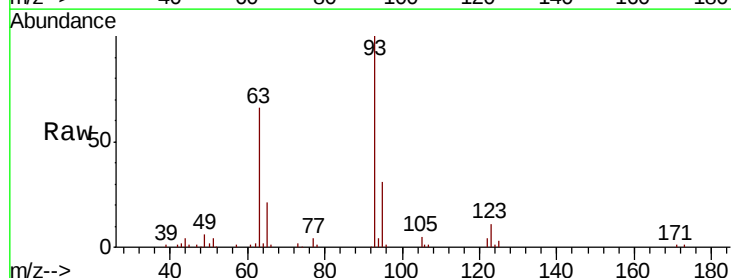


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

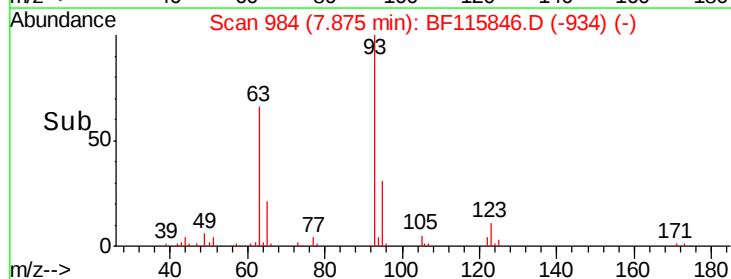
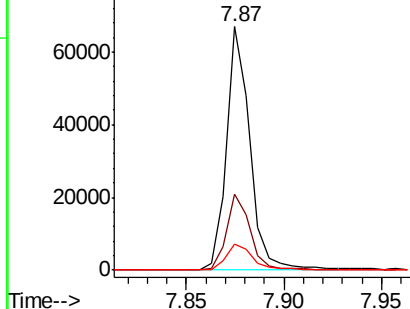


#28
 bis(2-Chloroethoxy)methane
 Concen: 4.985 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion: 93 Resp: 55519
 Ion Ratio Lower Upper
 93 100
 95 31.0 26.0 39.0
 123 10.8 9.5 14.3



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

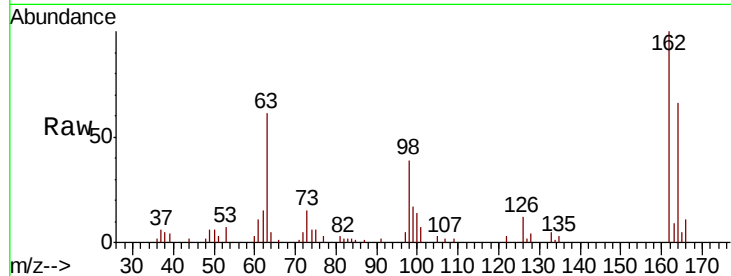




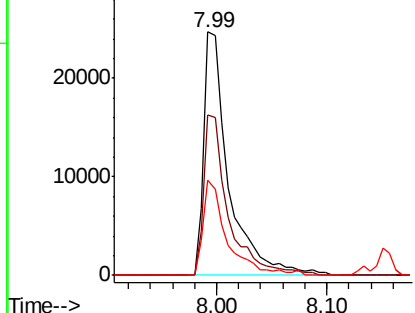
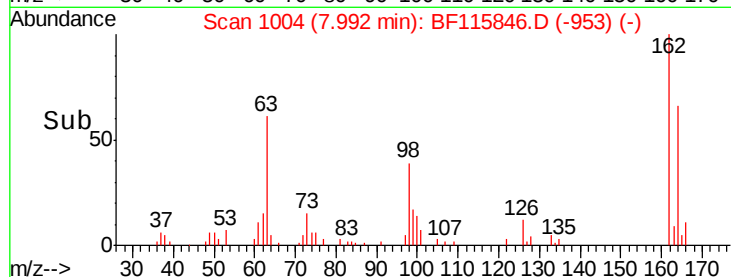
#29
 2,4-Dichlorophenol
 Concen: 4.984 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:162 Resp: 37869
 Ion Ratio Lower Upper
 162 100
 164 65.8 43.2 83.2
 98 39.0 17.3 57.3

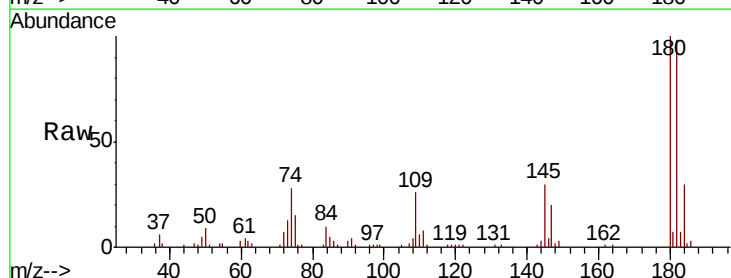


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

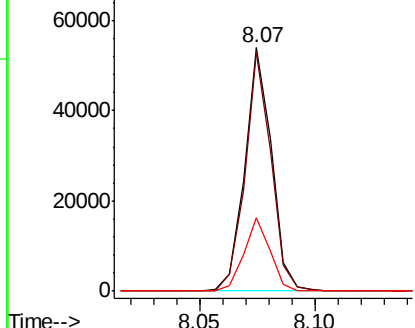
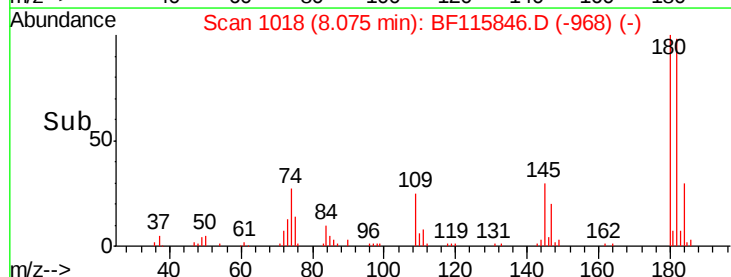


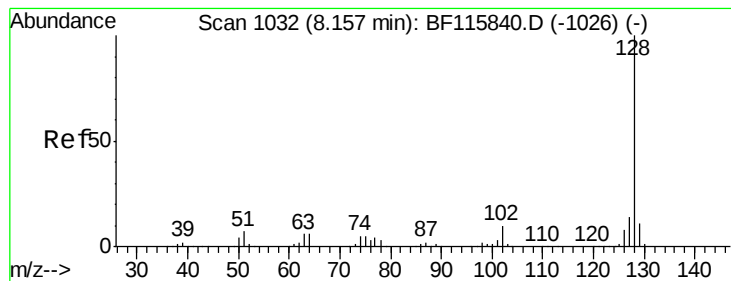
#30
 1,2,4-Trichlorobenzene
 Concen: 5.054 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion:180 Resp: 43768
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.6 114.8
 145 30.1 23.2 34.8



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





#31

Naphthalene

Concen: 5.747 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

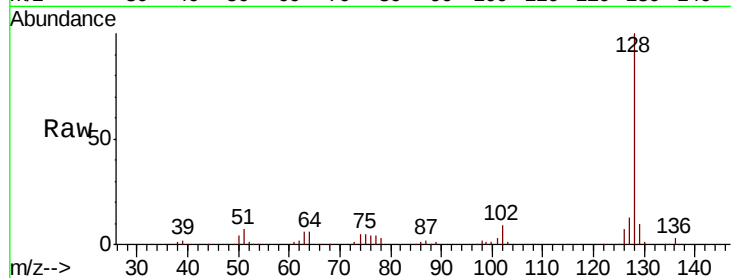
Tot Ion:128 Resp: 146688

Ion Ratio Lower Upper

128 100

129 10.5 9.2 13.8

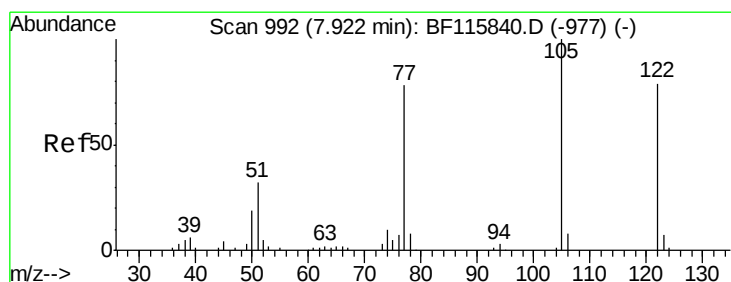
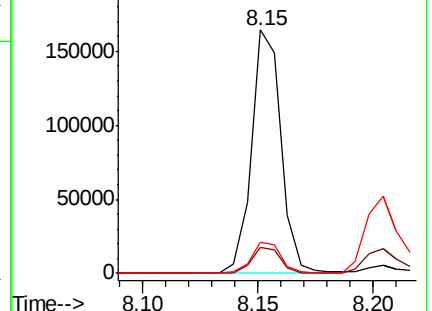
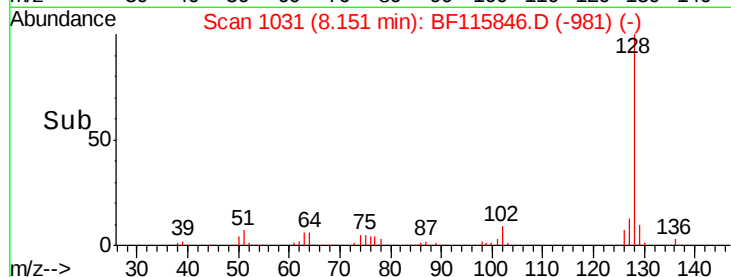
127 13.0 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.826 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.04 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

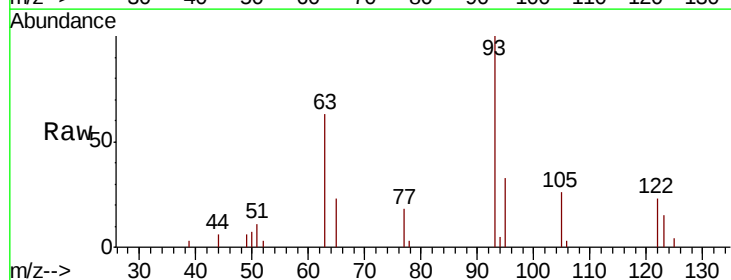
Tgt Ion:122 Resp: 14335

Ion Ratio Lower Upper

122 100

105 112.2 103.1 143.1

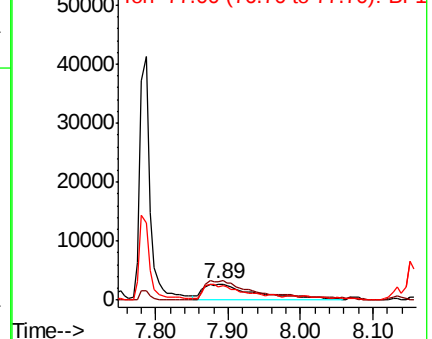
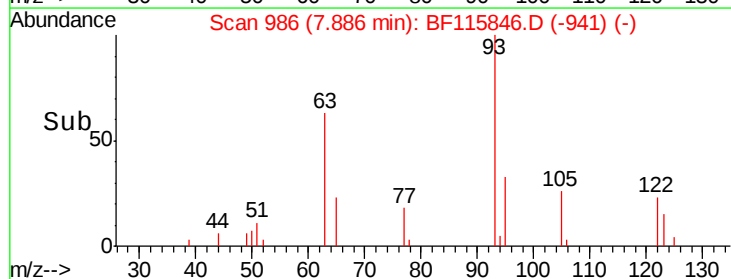
77 78.3 76.8 116.8

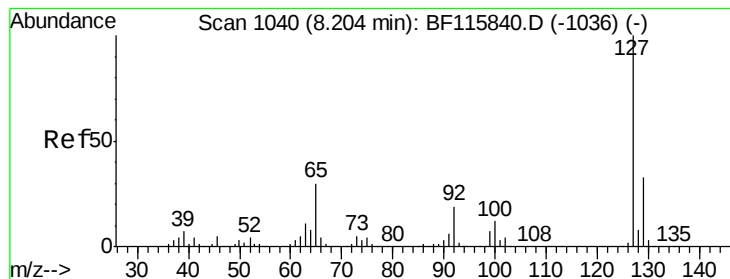


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 5.163 ng

RT: 8.20 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:127 Resp: 58889

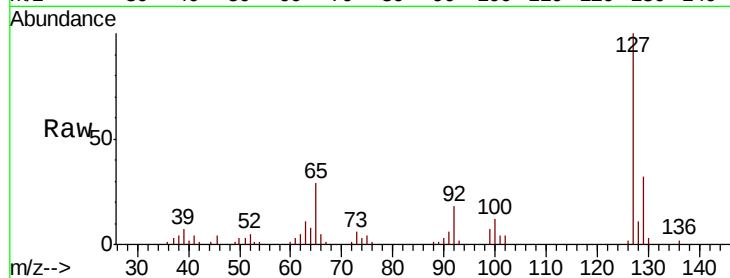
Ion Ratio Lower Upper

127 100

129 31.5 26.0 39.0

65 29.0 23.9 35.9

92 17.9 14.9 22.3

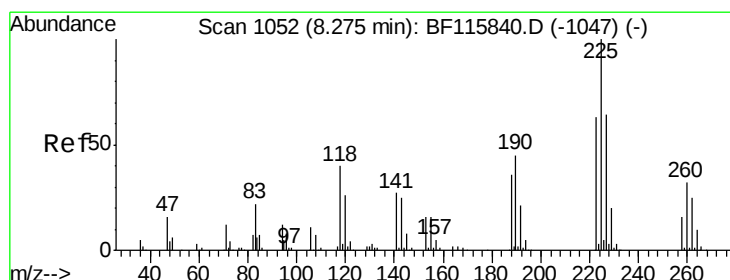
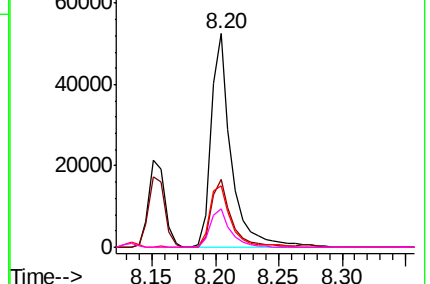
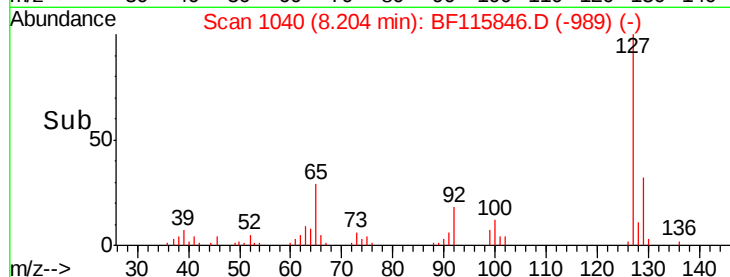


Abundance Ion 127.00 (126.70 to 127.70): E

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: 4.859 ng

RT: 8.27 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

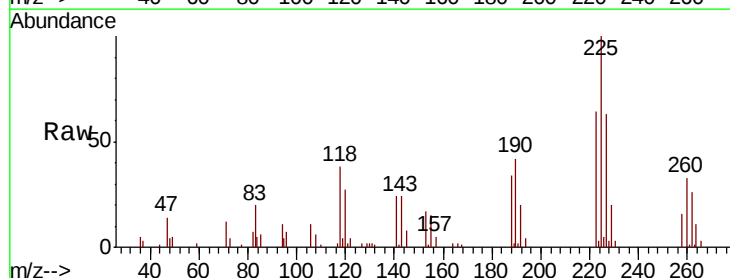
Tgt Ion:225 Resp: 24240

Ion Ratio Lower Upper

225 100

223 63.5 50.4 75.6

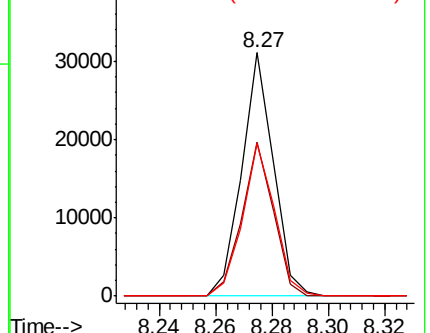
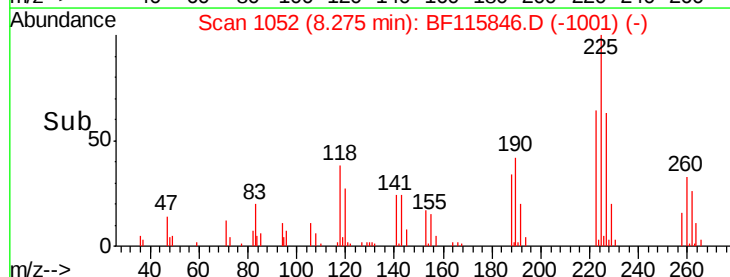
227 65.7 51.6 77.4

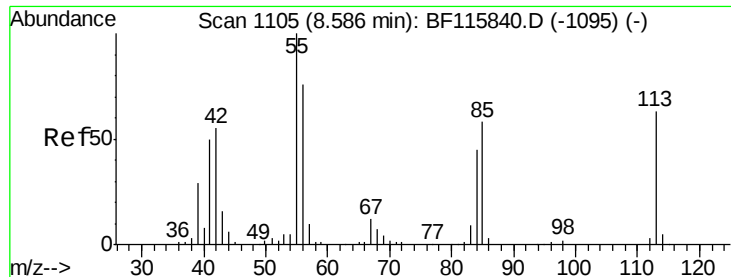


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

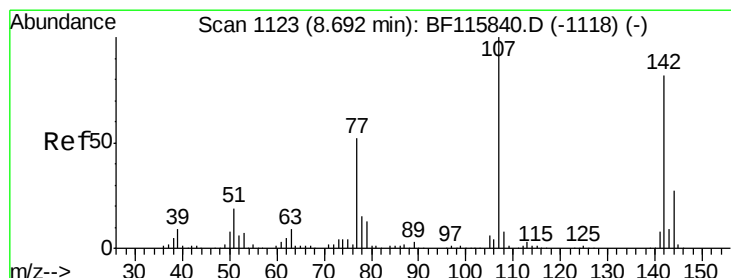
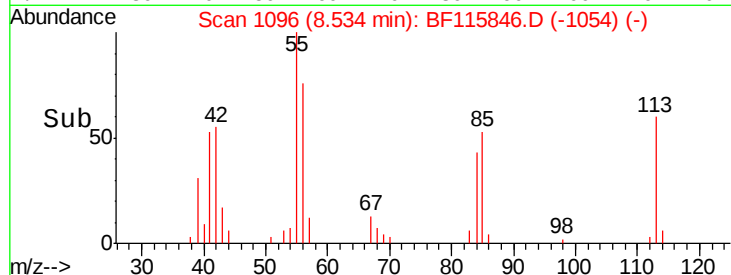
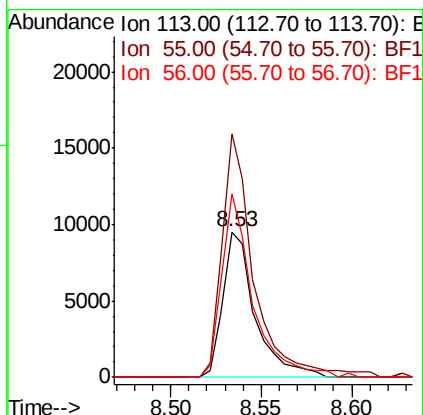
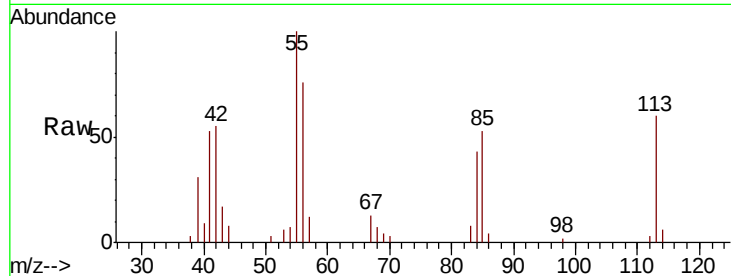




#35
Caprolactam
Concen: 4.801 ng
RT: 8.53 min Scan# 1096
Delta R.T. -0.05 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

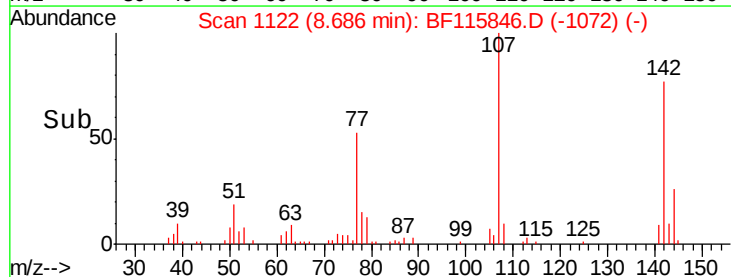
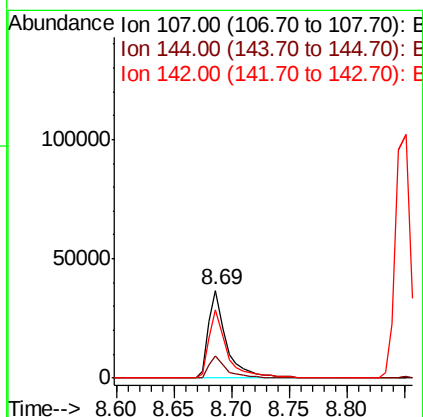
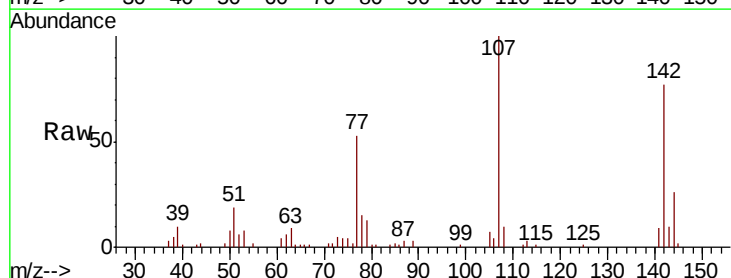
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

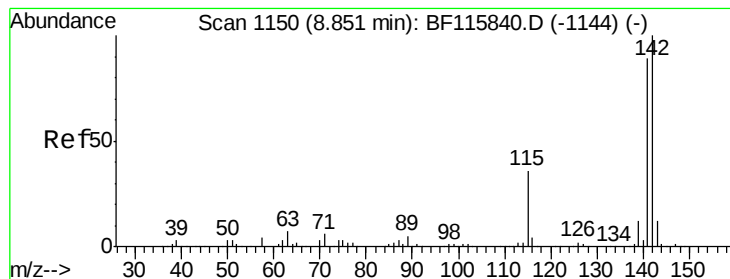
Tot Ion:113 Resp: 11798
Ion Ratio Lower Upper
113 100
55 167.7 138.1 178.1
56 126.7 100.6 140.6



#36
4-Chloro-3-methylphenol
Concen: 5.147 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:107 Resp: 40684
Ion Ratio Lower Upper
107 100
144 25.5 21.4 32.0
142 77.4 65.5 98.3





#37

2-Methylnaphthalene

Concen: 5.722 ng

RT: 8.85 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

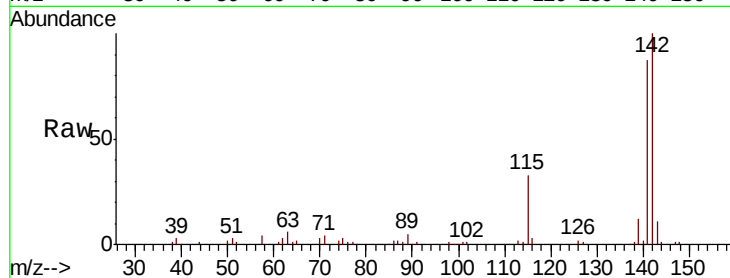
Tot Ion:142 Resp: 96188

Ion Ratio Lower Upper

142 100

141 86.8 71.4 107.2

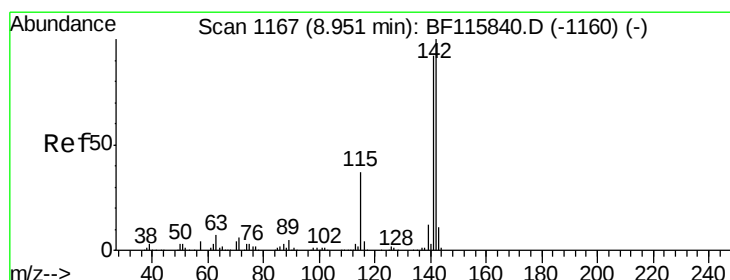
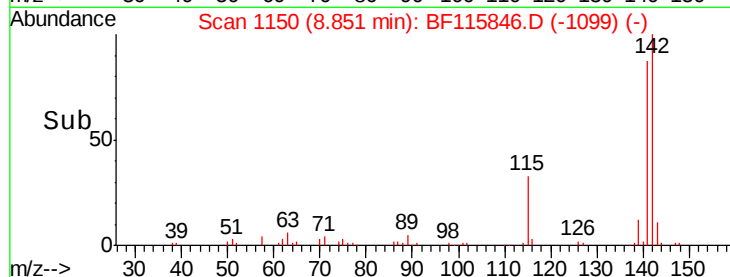
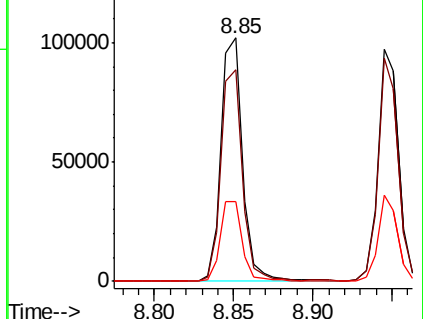
115 32.8 28.9 43.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 5.554 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

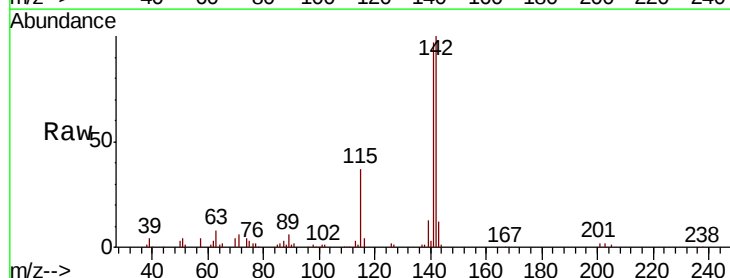
Tgt Ion:142 Resp: 88332

Ion Ratio Lower Upper

142 100

141 96.6 73.8 110.6

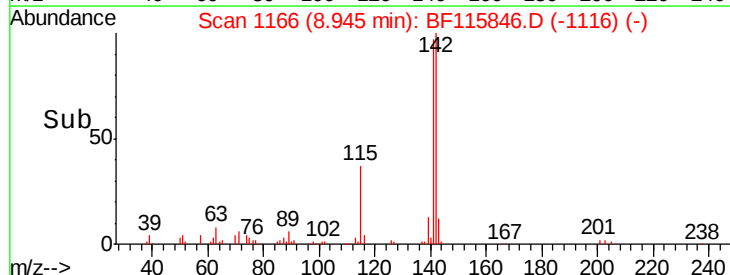
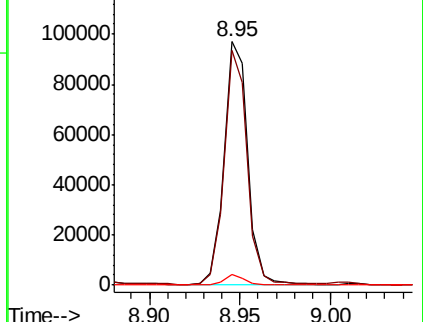
116 4.2 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

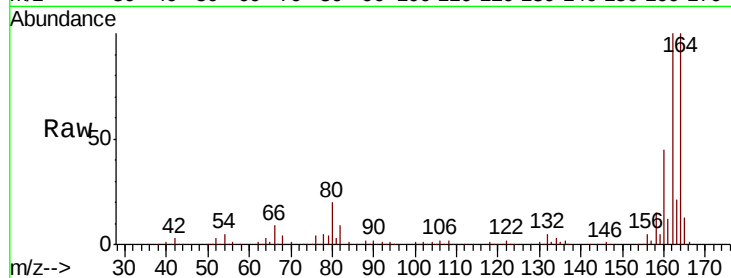
Tot Ion:164 Resp: 289215

Ion Ratio Lower Upper

164 100

162 99.8 80.8 121.2

160 45.5 36.2 54.4

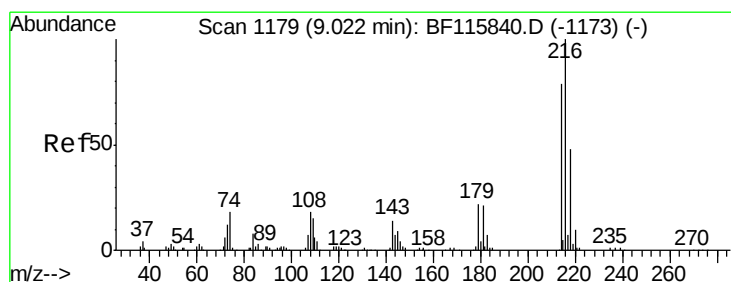
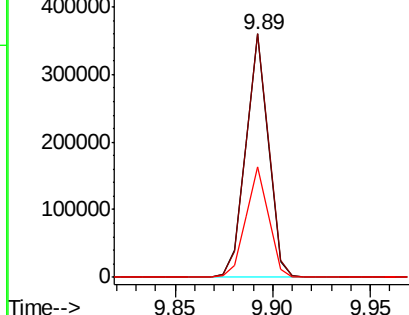
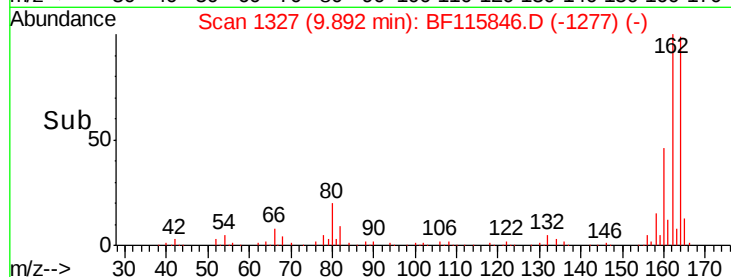


Abundance

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: 5.280 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Tgt Ion:216 Resp: 40826

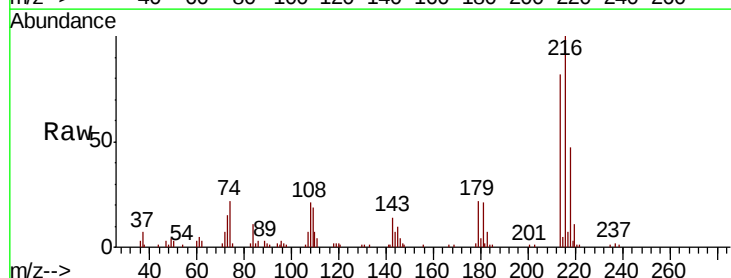
Ion Ratio Lower Upper

216 100

214 80.4 62.8 94.2

179 20.9 17.6 26.4

108 20.2 16.1 24.1



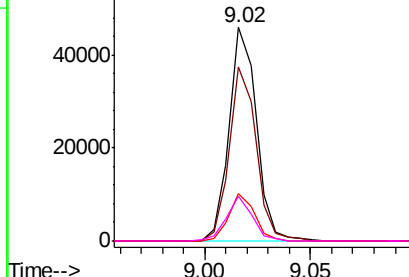
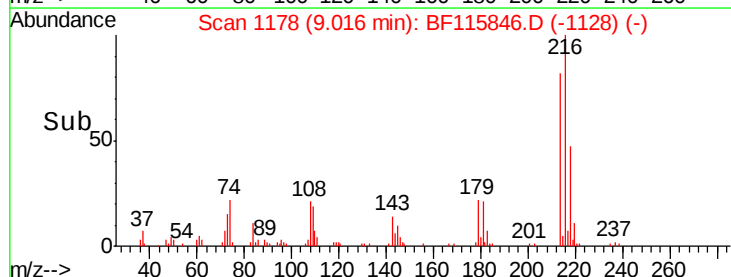
Abundance

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: 2.011 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

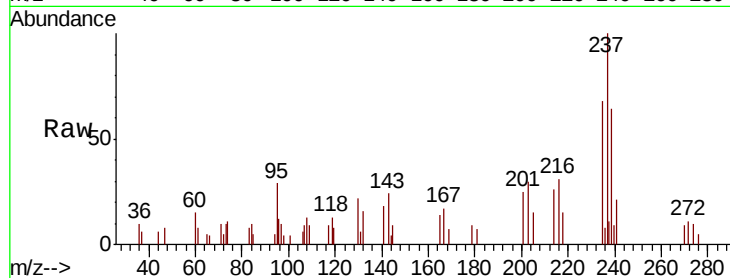
Tot Ion:237 Resp: 6077

Ion Ratio Lower Upper

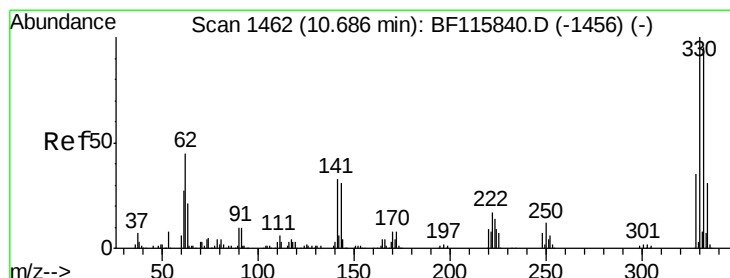
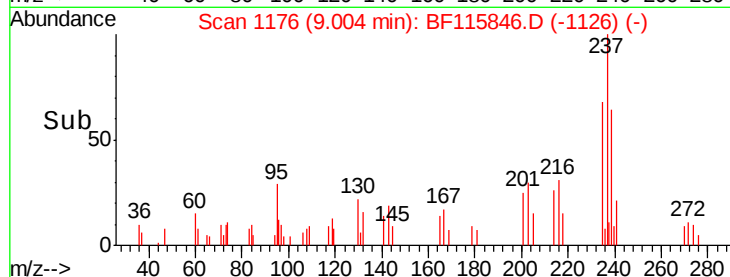
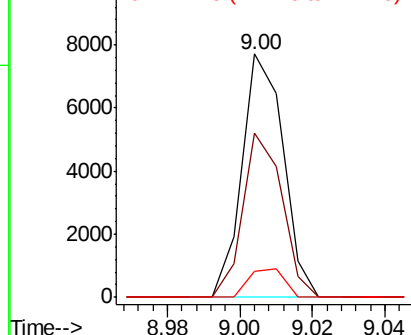
237 100

235 67.6 42.5 82.5

272 10.9 0.0 33.3



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: 120.389 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

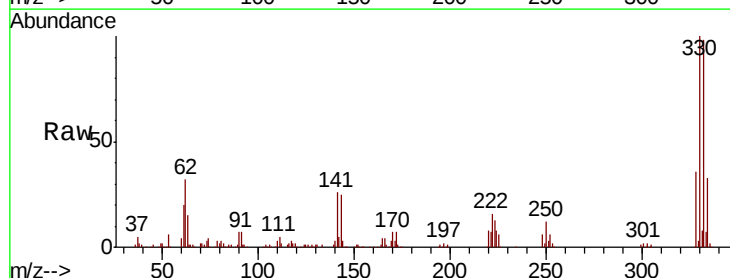
Tgt Ion:330 Resp: 337573

Ion Ratio Lower Upper

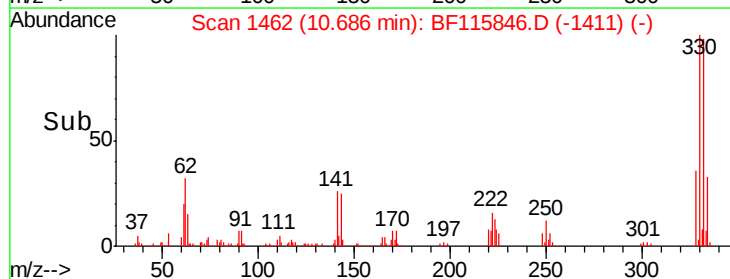
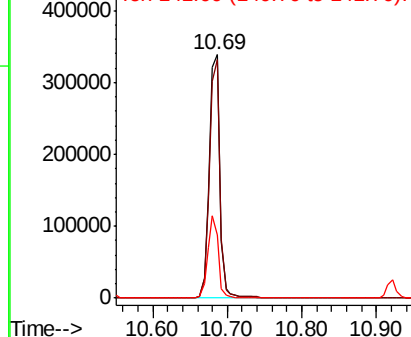
330 100

332 95.9 77.7 116.5

141 33.5 28.1 42.1



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

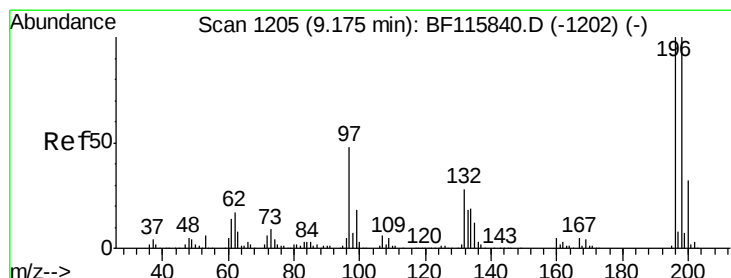
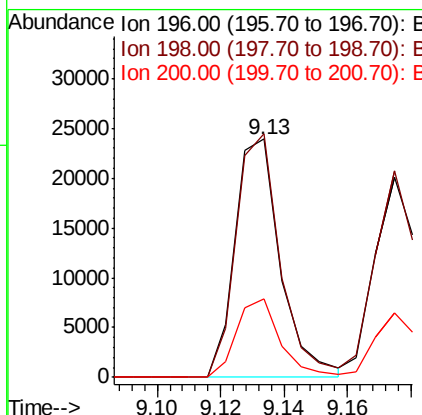
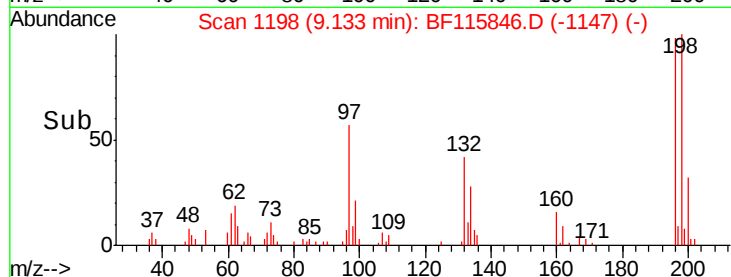
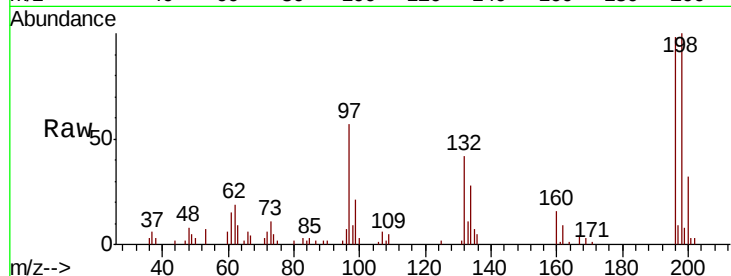




#43
 2,4,6-Trichlorophenol
 Concen: 4.459 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

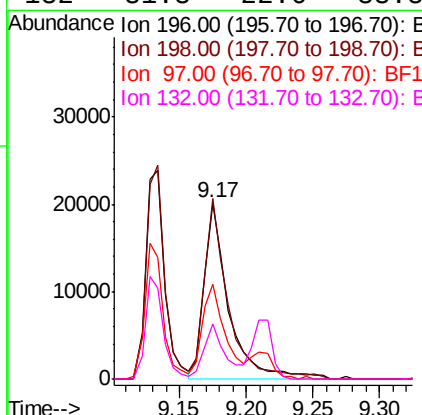
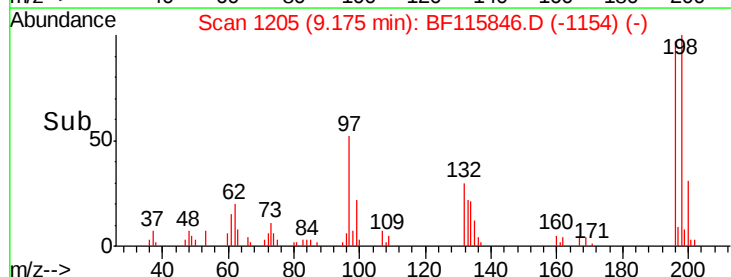
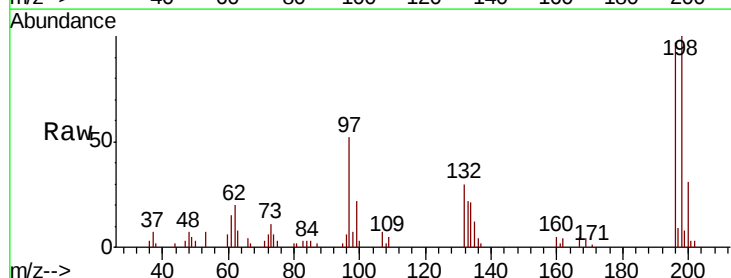
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

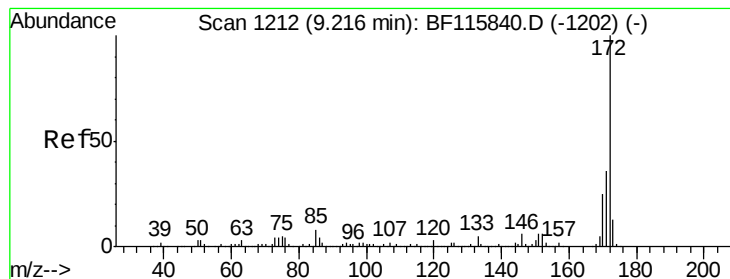
Tot Ion:196 Resp: 23730
 Ion Ratio Lower Upper
 196 100
 198 102.1 79.1 118.7
 200 32.7 26.0 39.0



#44
 2,4,5-Trichlorophenol
 Concen: 4.706 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion:196 Resp: 25890
 Ion Ratio Lower Upper
 196 100
 198 102.8 80.1 120.1
 97 54.0 38.9 58.3
 132 31.3 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 84.188 ng

RT: 9.22 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

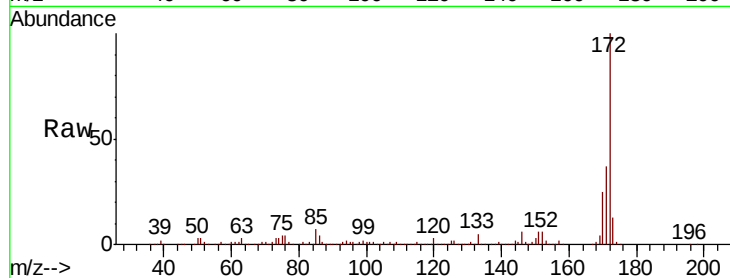
Tot Ion:172 Resp: 1299920

Ion Ratio Lower Upper

172 100

171 36.6 29.1 43.7

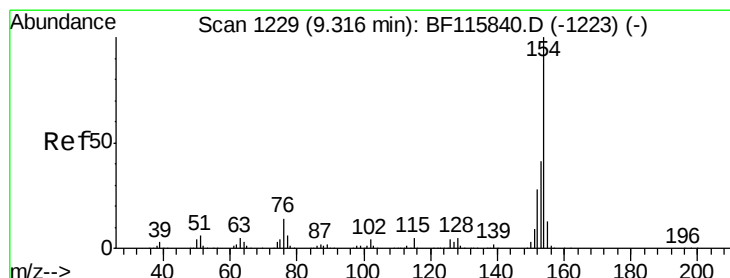
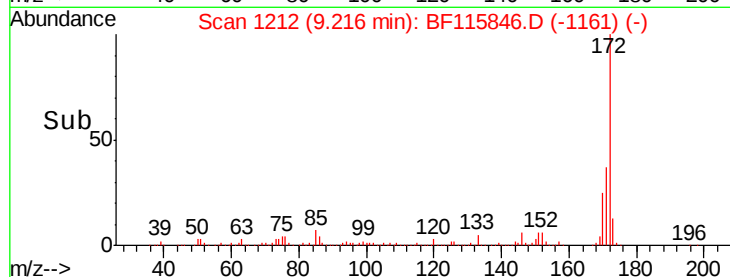
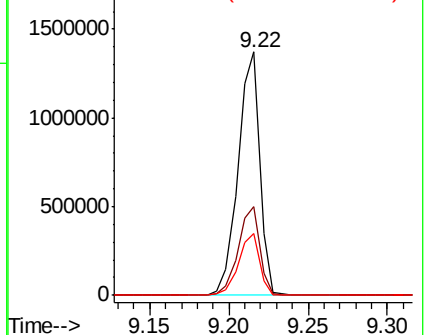
170 25.2 20.1 30.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 5.742 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

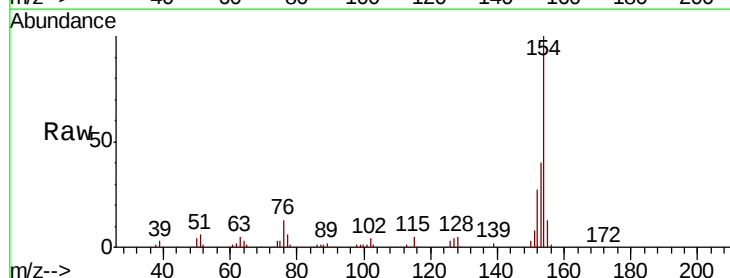
Tgt Ion:154 Resp: 117234

Ion Ratio Lower Upper

154 100

153 40.0 20.9 60.9

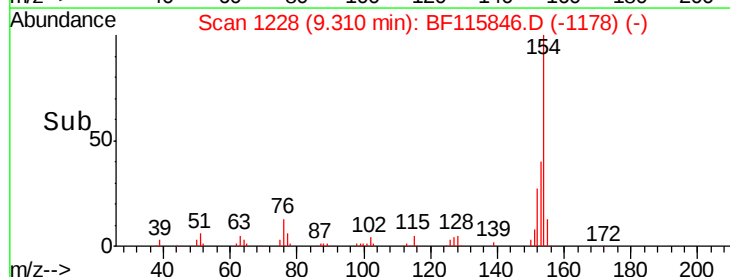
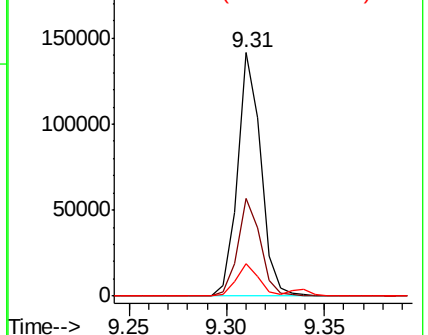
76 13.2 0.0 34.3

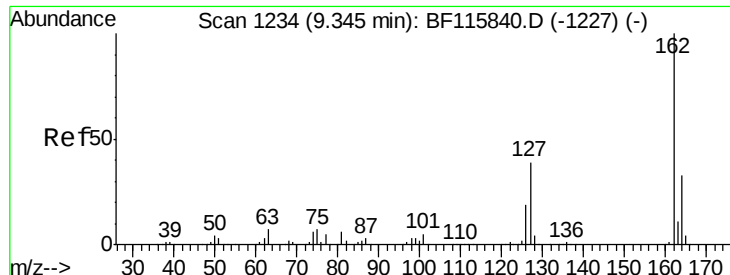


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

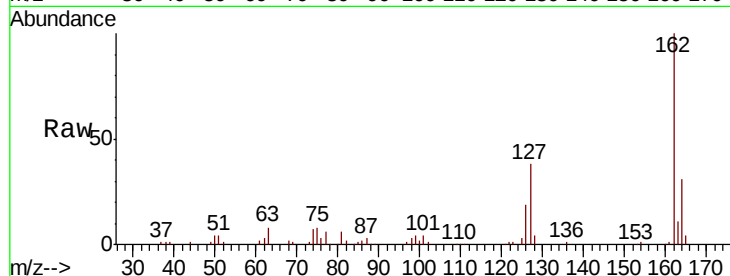




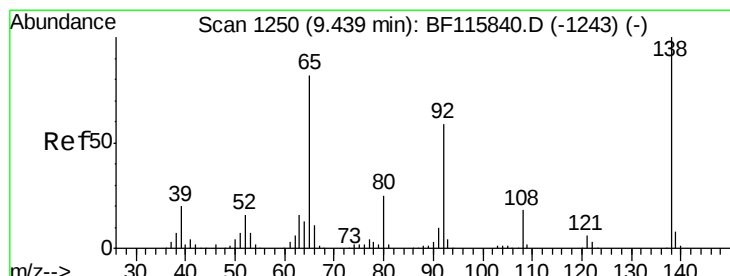
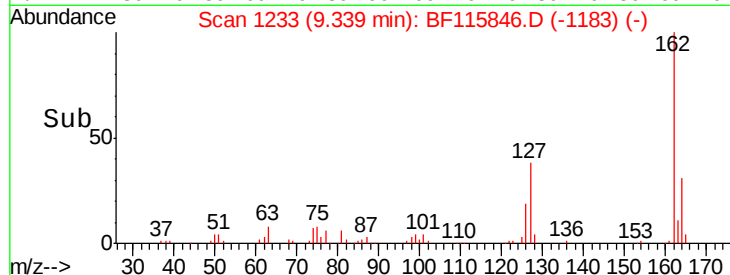
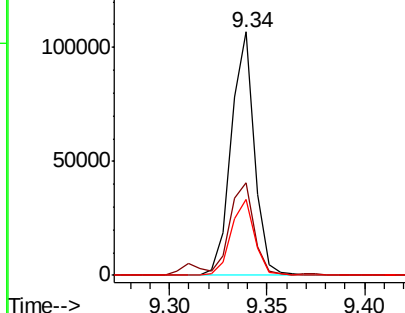
#47
 2-Chloronaphthalene
 Concen: 5.179 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	162	Resp:	88007
Ion Ratio	Lower	Upper	
162	100		
127	38.2	31.3	46.9
164	31.4	26.6	40.0

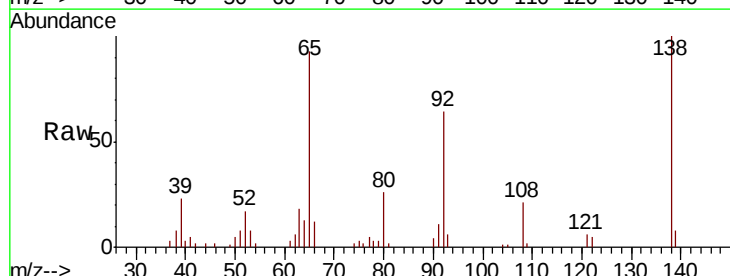


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

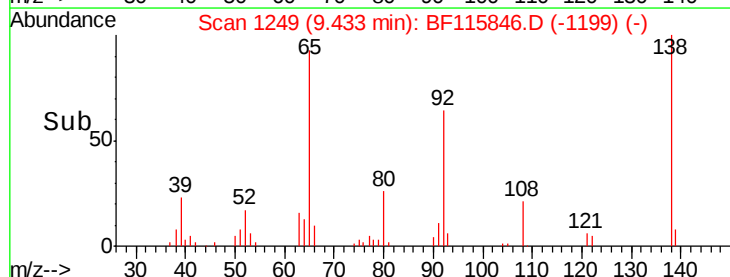
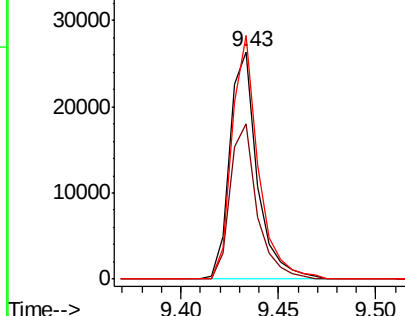


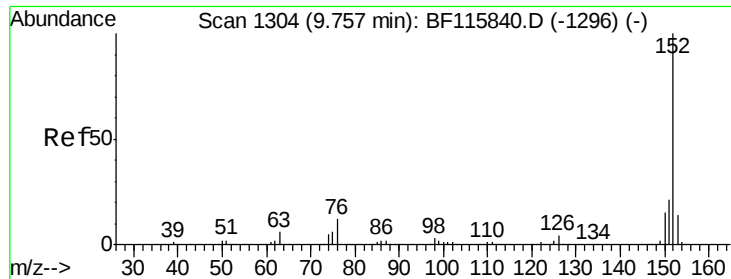
#48
 2-Nitroaniline
 Concen: 4.608 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion:	65	Resp:	25886
Ion Ratio	Lower	Upper	
65	100		
92	68.2	57.1	85.7
138	107.1	97.1	145.7



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 5.595 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

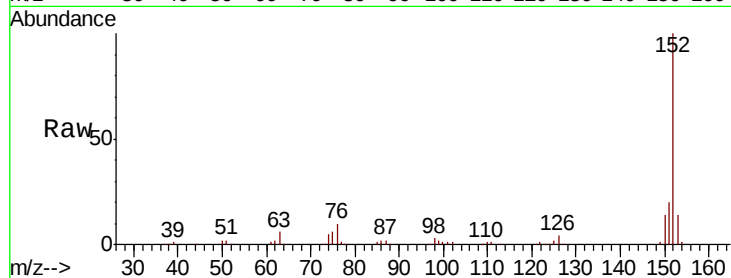
Tot Ion:152 Resp: 138716

Ion Ratio Lower Upper

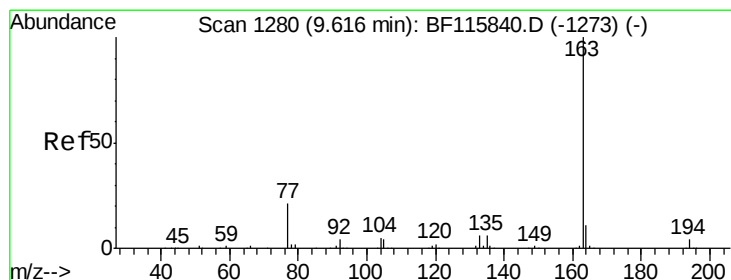
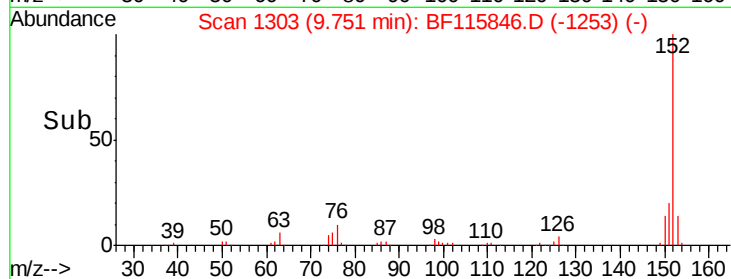
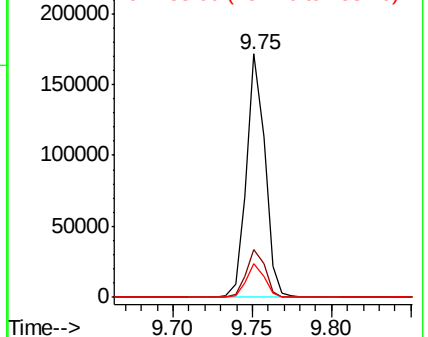
152 100

151 19.7 16.8 25.2

153 13.9 11.6 17.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.922 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

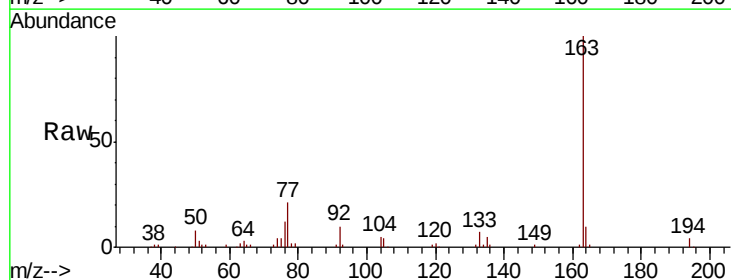
Tgt Ion:163 Resp: 96921

Ion Ratio Lower Upper

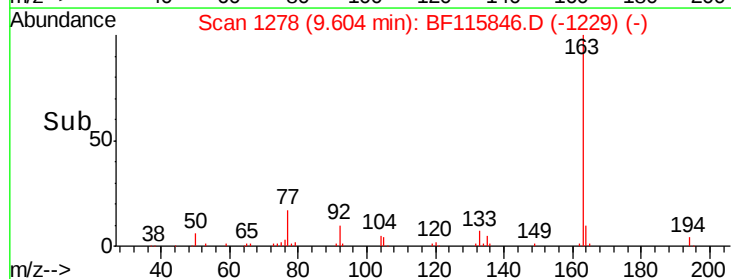
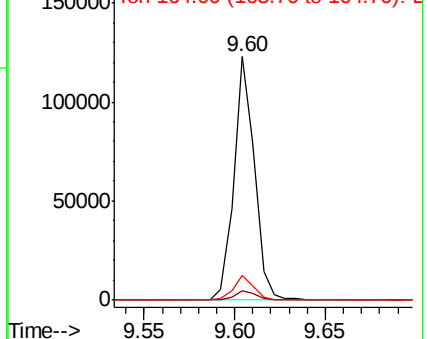
163 100

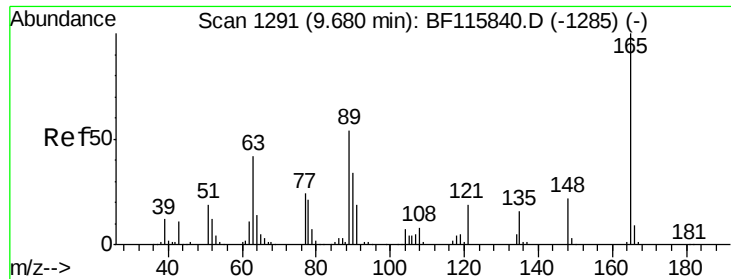
194 4.0 3.0 4.6

164 10.3 8.4 12.6



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

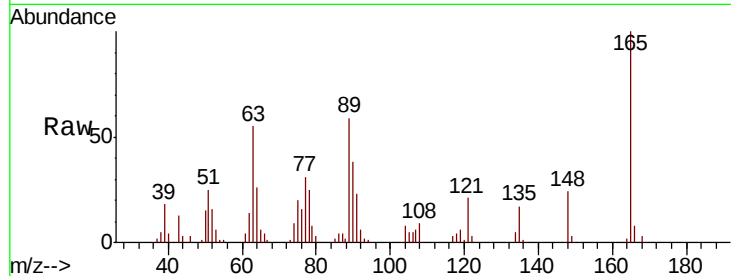




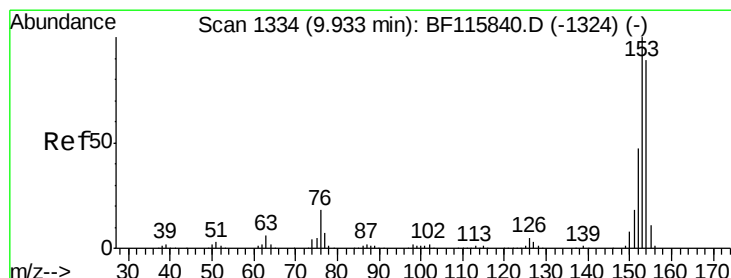
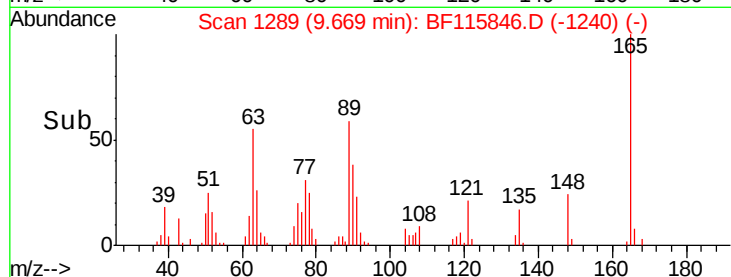
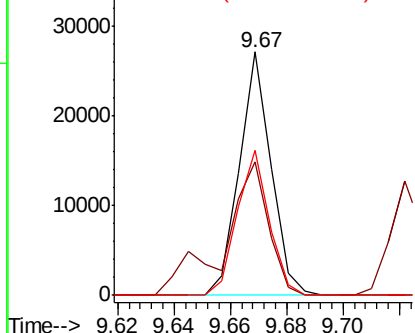
#51
2,6-Dinitrotoluene
Concen: 4.927 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:165 Resp: 21086
Ion Ratio Lower Upper
165 100
63 55.0 39.4 59.2
89 59.5 43.0 64.6

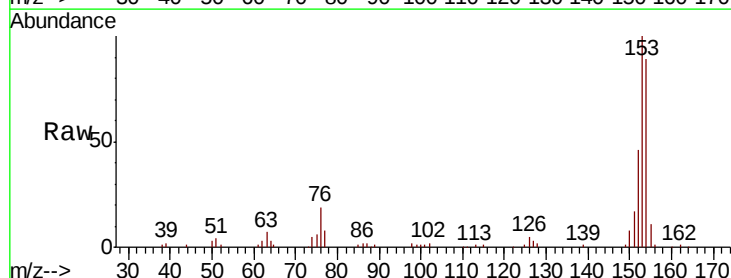


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

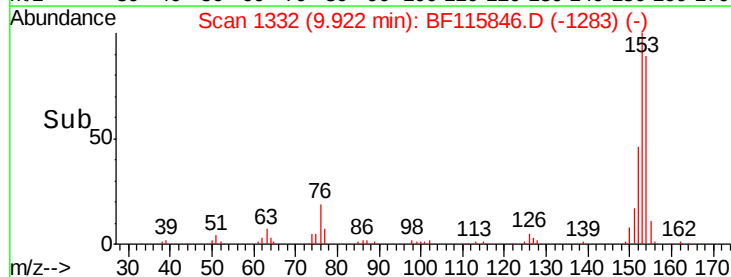
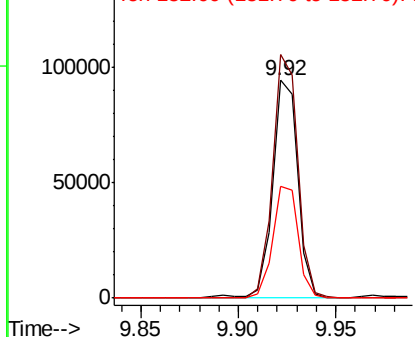


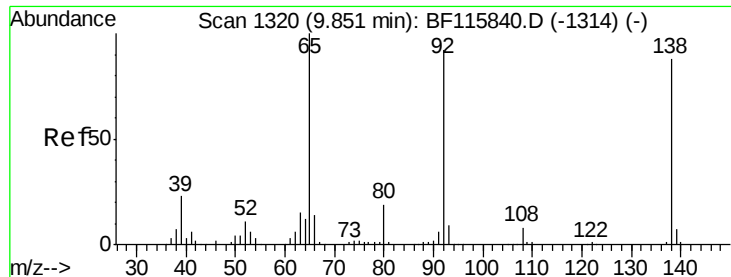
#52
Acenaphthene
Concen: 5.567 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:154 Resp: 84669
Ion Ratio Lower Upper
154 100
153 111.8 90.1 135.1
152 51.6 42.6 63.8



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

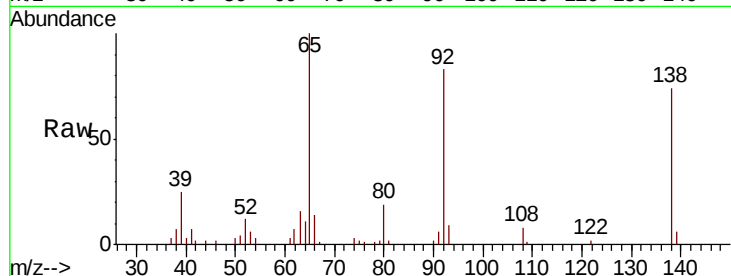




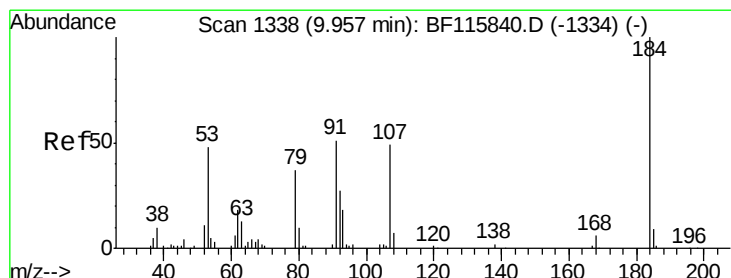
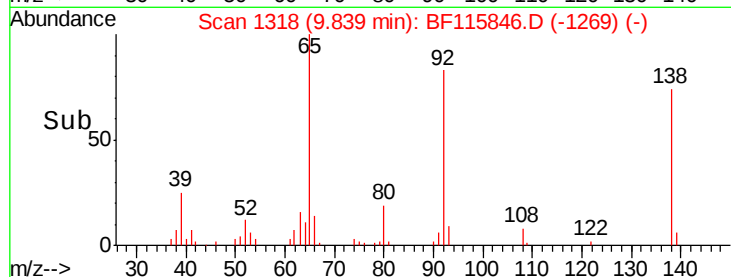
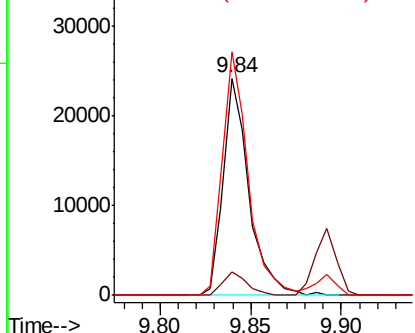
#53
3-Nitroaniline
Concen: 4.510 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:138 Resp: 23846
Ion Ratio Lower Upper
138 100
108 10.8 7.4 11.2
92 112.2 83.9 125.9

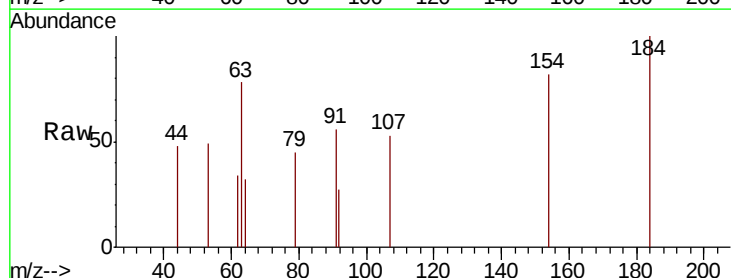


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

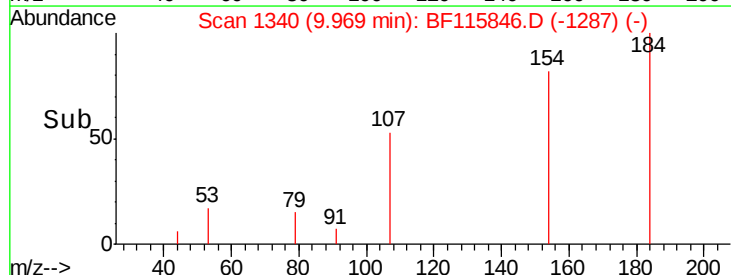
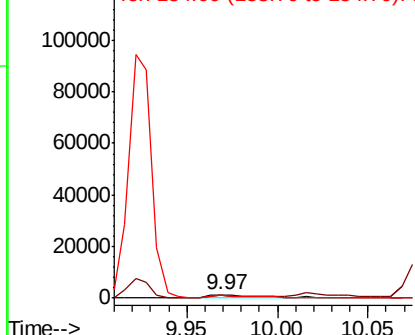


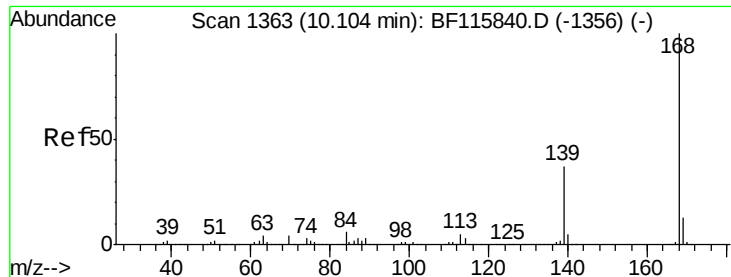
#54
2,4-Dinitrophenol
Concen: 1.496 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:184 Resp: 2718
Ion Ratio Lower Upper
184 100
63 78.3 56.7 85.1
154 81.5 51.9 77.9#



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

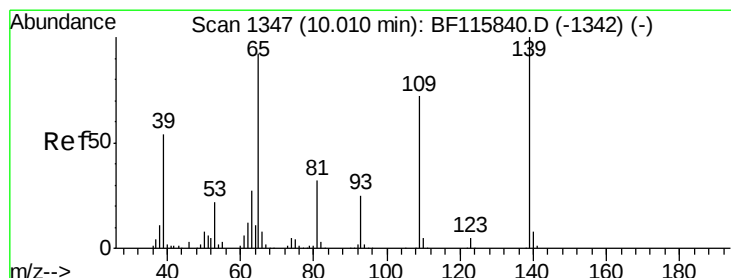
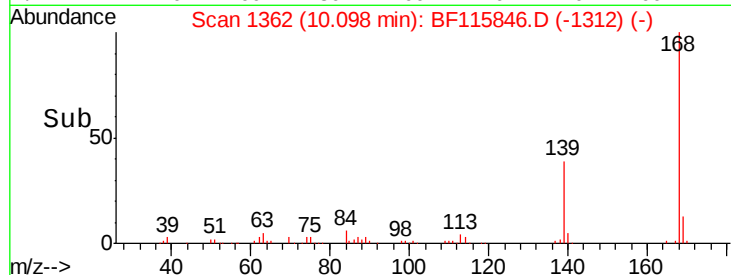
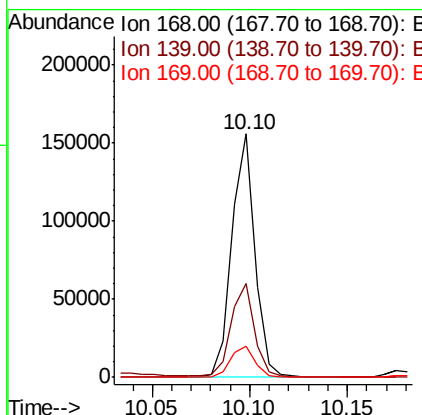
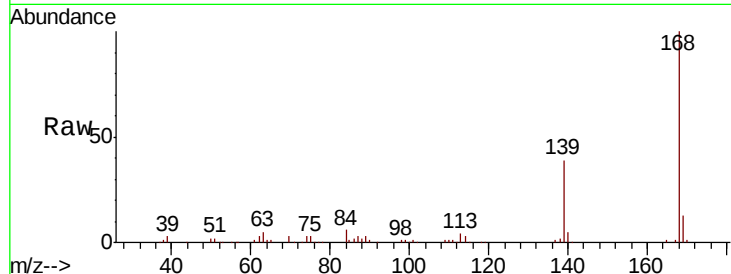




#55
Dibenzenofuran
Concen: 5.761 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

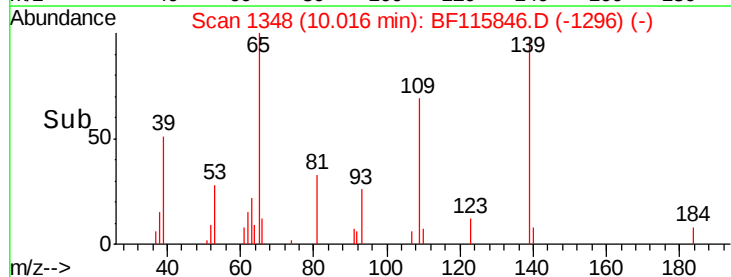
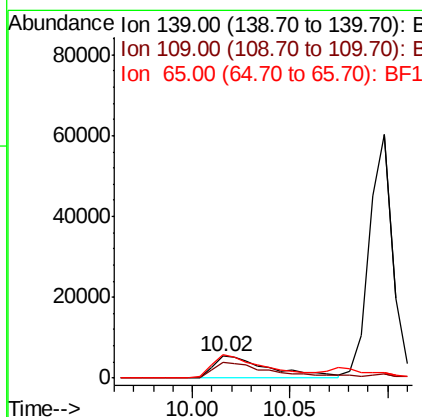
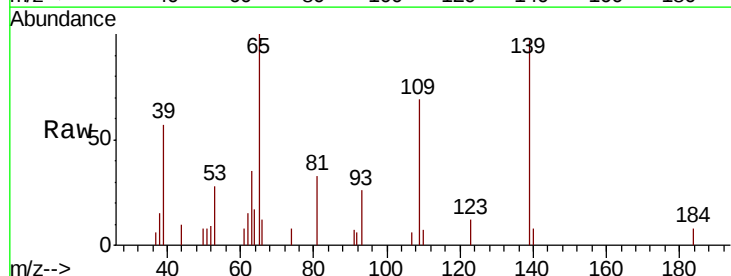
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:168 Resp: 127434
Ion Ratio Lower Upper
168 100
139 38.6 30.2 45.2
169 12.8 10.8 16.2



#56
4-Nitrophenol
Concen: 3.265 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:139 Resp: 11061
Ion Ratio Lower Upper
139 100
109 71.7 52.0 92.0
65 103.5 72.6 112.6





#57

2,4-Dinitrotoluene

Concen: 4.478 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

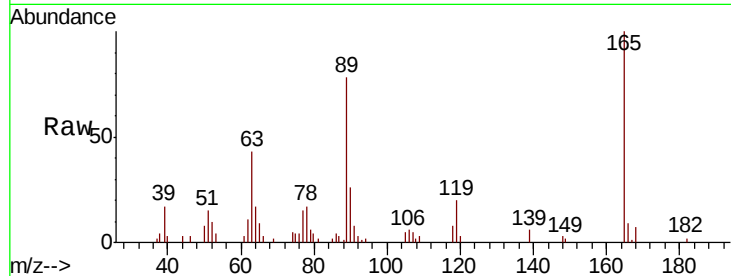
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:165	Resp:	25513
Ion Ratio	Lower	Upper
165	100	
63	43.4	33.2 49.8
89	78.2	57.3 85.9
182	2.0	2.1 3.1#

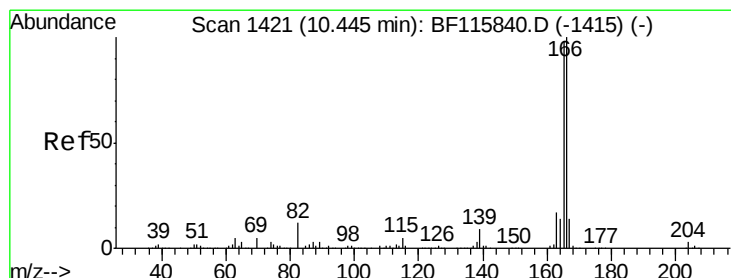
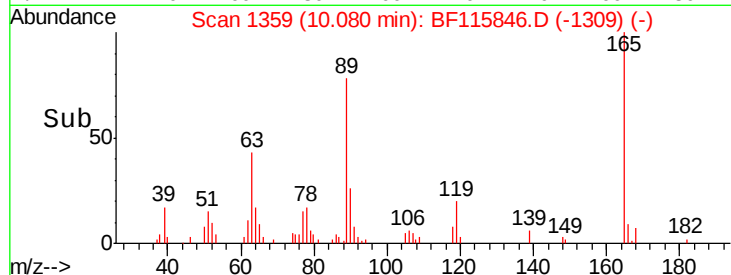
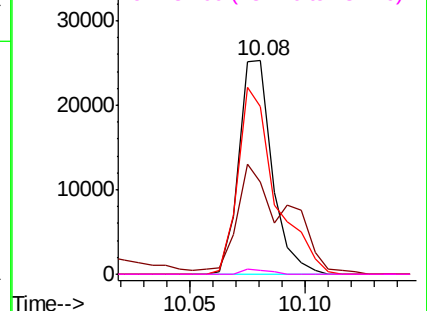


Abundance Ion 165.00 (164.70 to 165.70): E

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: 5.782 ng

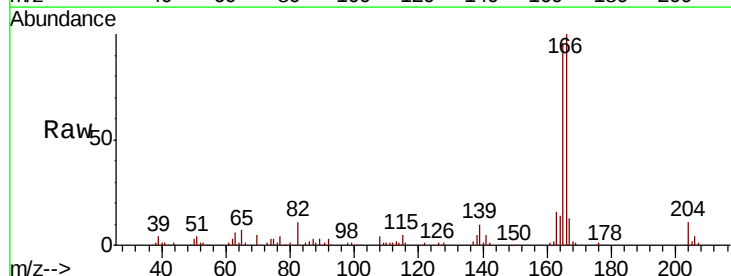
RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

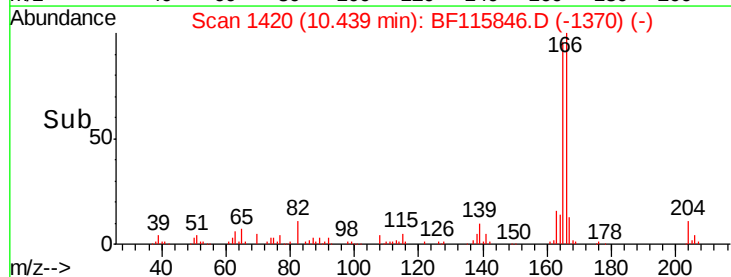
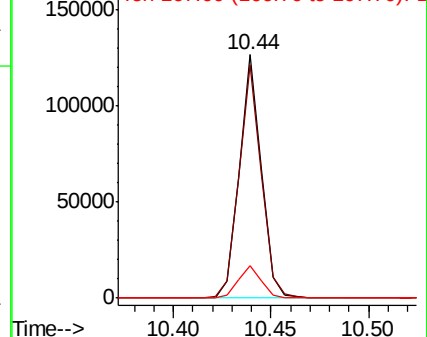
Tgt Ion:166	Resp:	98391
Ion Ratio	Lower	Upper
166	100	
165	95.6	78.6 118.0
167	13.5	10.9 16.3



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

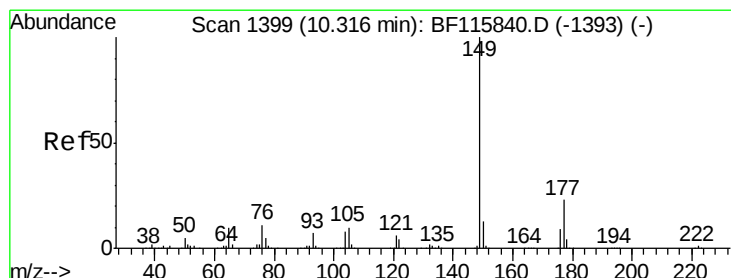
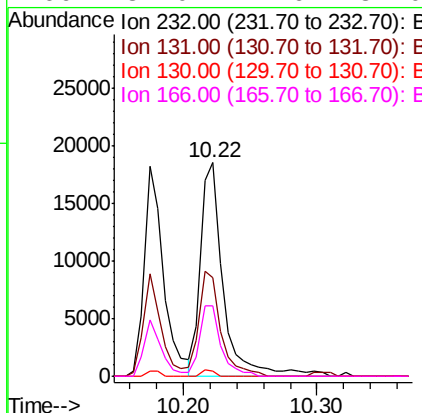
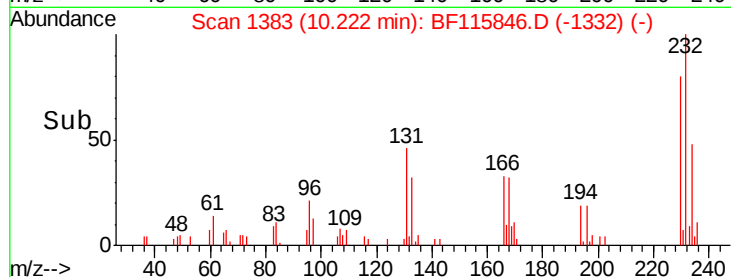
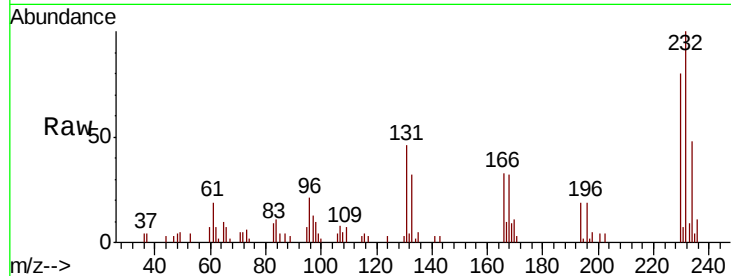




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.738 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

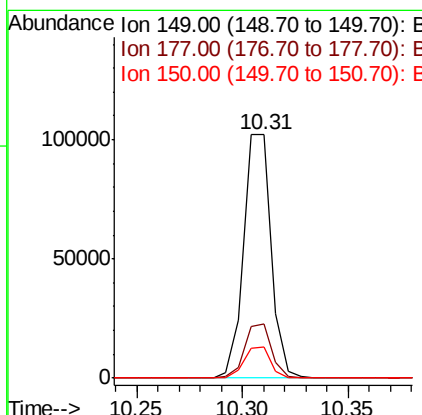
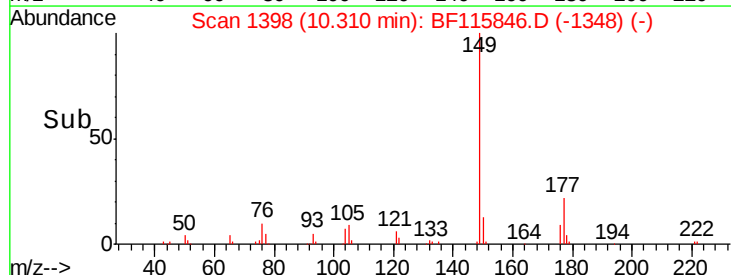
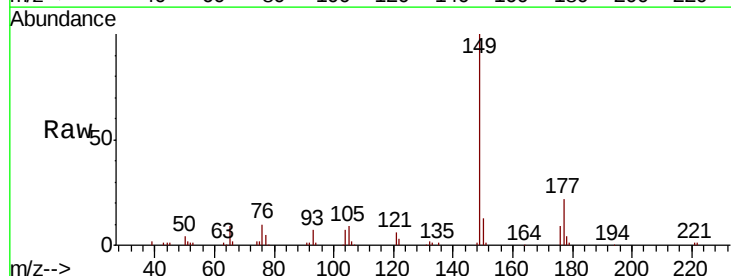
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

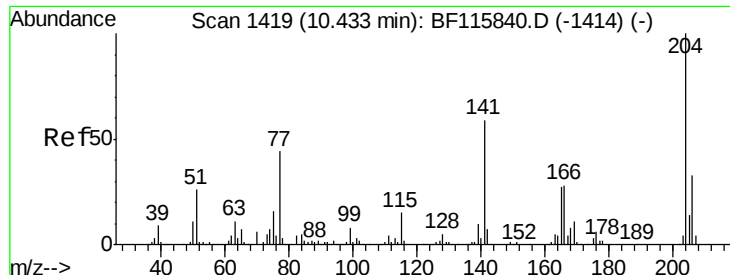
Tot Ion:232 Resp: 21930
 Ion Ratio Lower Upper
 232 100
 131 47.6 37.6 56.4
 130 1.6 1.8 2.8#
 166 31.0 24.6 37.0



#60
 Diethylphthalate
 Concen: 5.029 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion:149 Resp: 92465
 Ion Ratio Lower Upper
 149 100
 177 22.3 18.4 27.6
 150 12.6 10.1 15.1

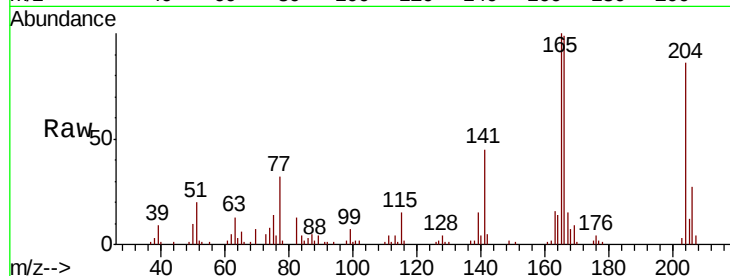




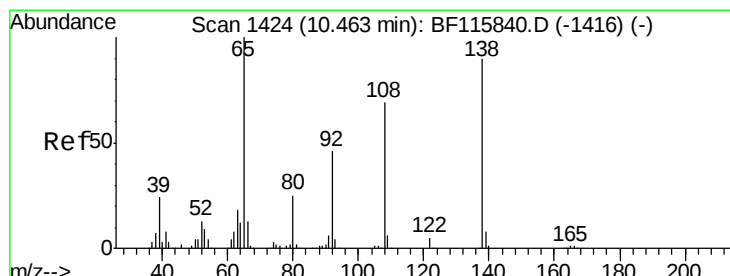
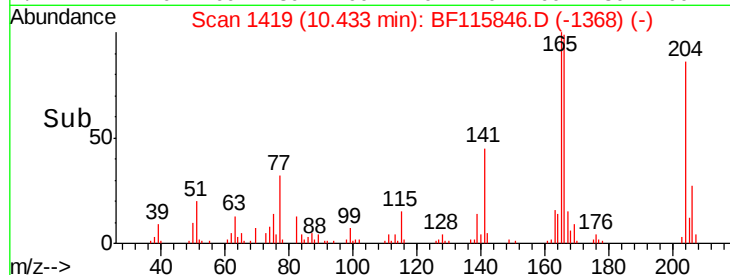
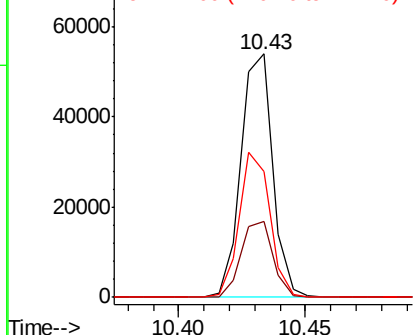
#61
4-Chlorophenyl-phenylether
Concen: 5.437 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 204 Resp: 46865
Ion Ratio Lower Upper
204 100
206 31.3 26.4 39.6
141 51.8 47.0 70.4

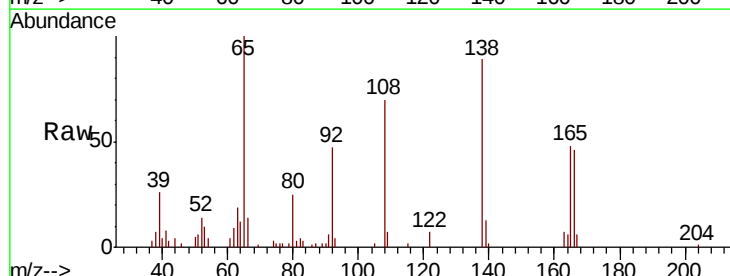


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

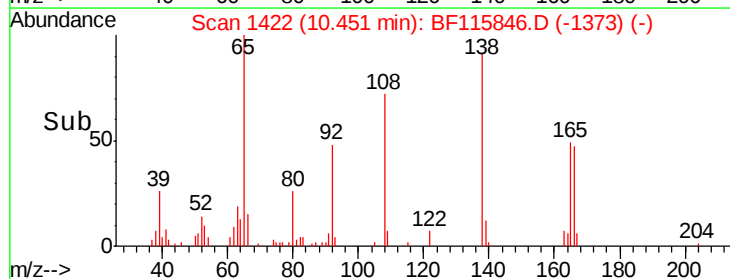
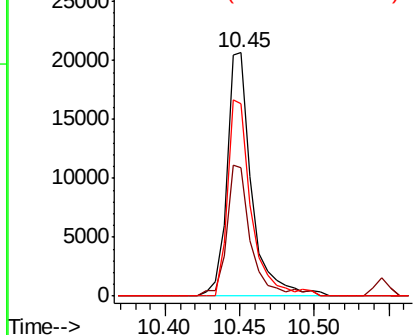


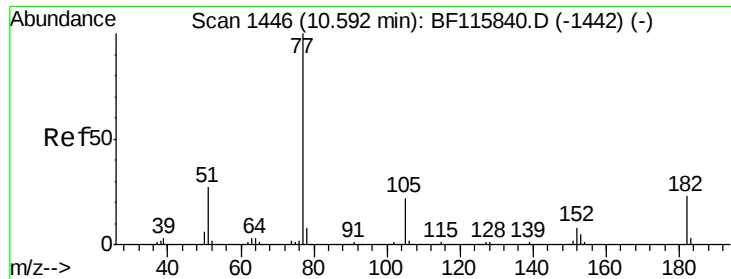
#62
4-Nitroaniline
Concen: 4.434 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion: 138 Resp: 24233
Ion Ratio Lower Upper
138 100
92 52.7 31.0 71.0
108 78.8 56.7 96.7



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

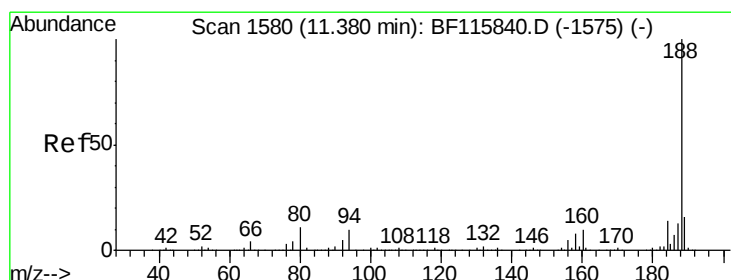
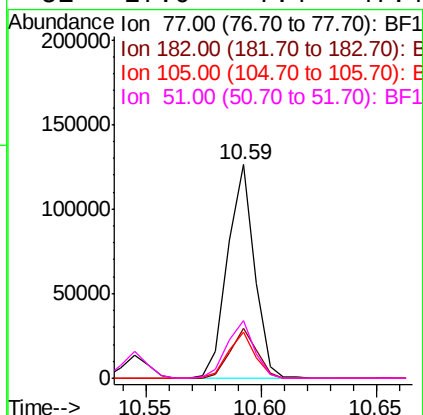
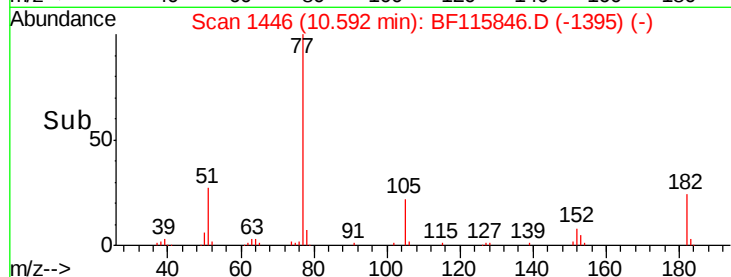
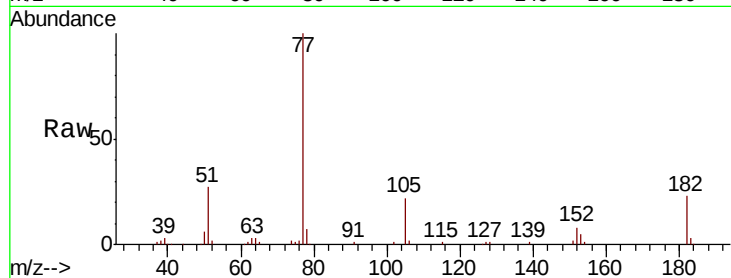




#63
Azobenzene
Concen: 5.409 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

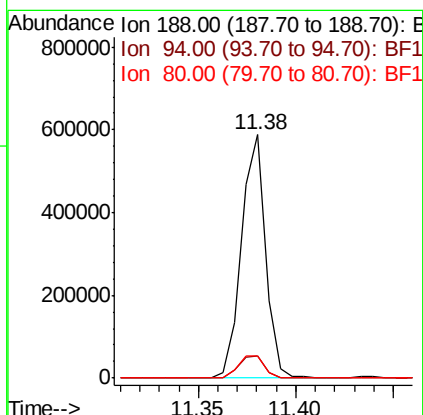
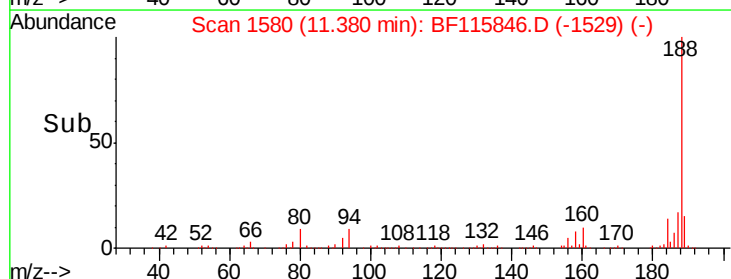
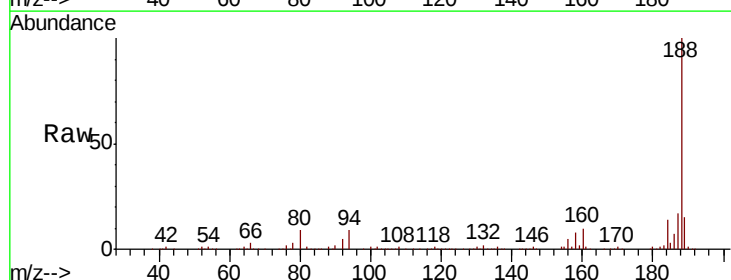
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

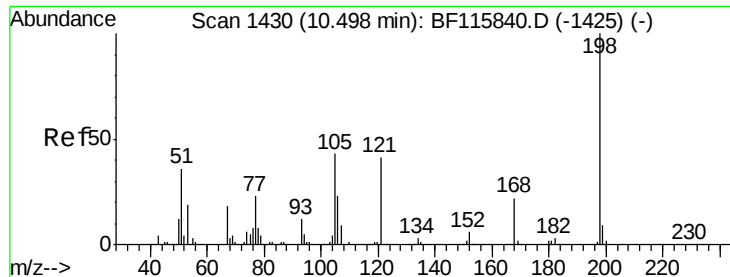
Tot Ion:	77	Resp:	102278
Ion	Ratio	Lower	Upper
77	100		
182	23.5	2.6	42.6
105	21.6	1.6	41.6
51	27.0	7.4	47.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:	188	Resp:	501742
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.0	12.0
80	9.2	8.6	12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 2.792 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

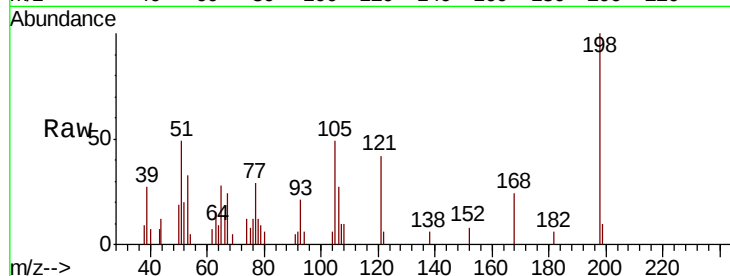
Tot Ion:198 Resp: 7423

Ion Ratio Lower Upper

198 100

51 48.7 21.1 61.1

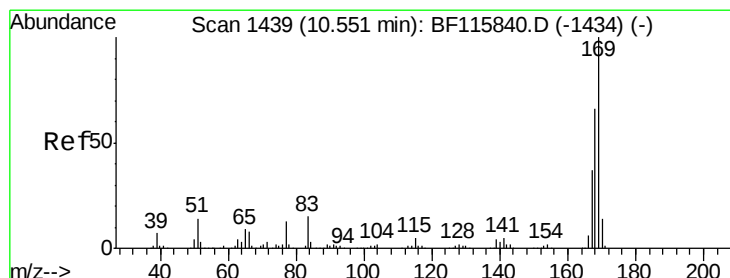
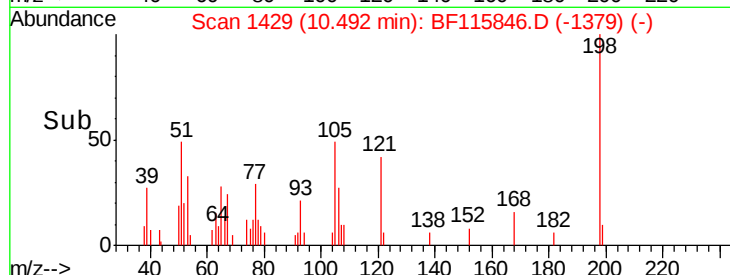
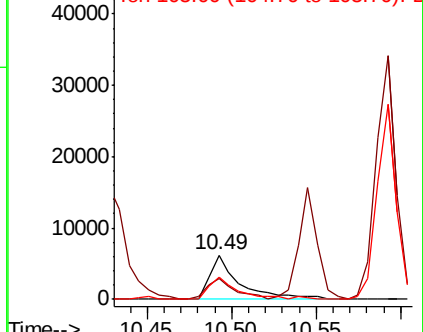
105 48.9 24.5 64.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 5.574 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

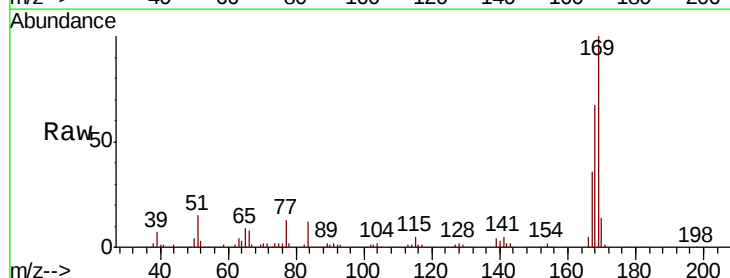
Tgt Ion:169 Resp: 84185

Ion Ratio Lower Upper

169 100

168 66.7 53.0 79.6

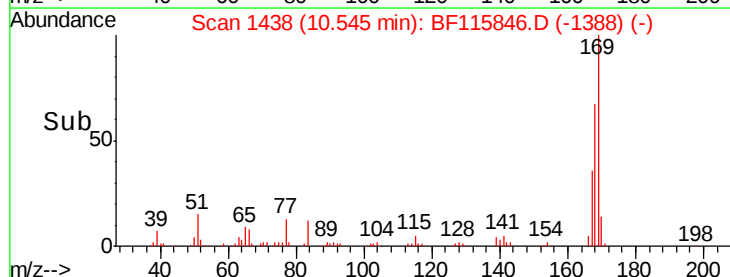
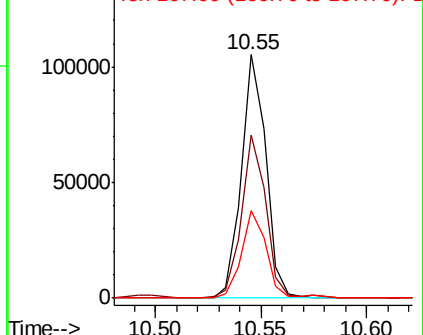
167 36.1 29.9 44.9

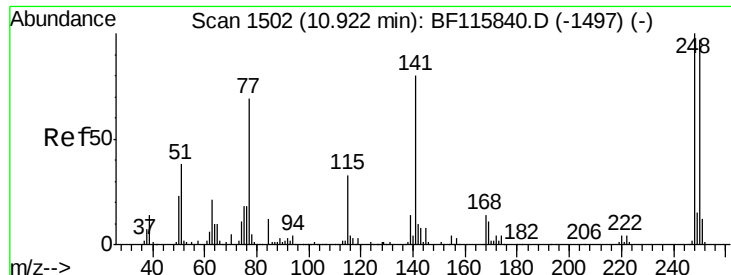


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

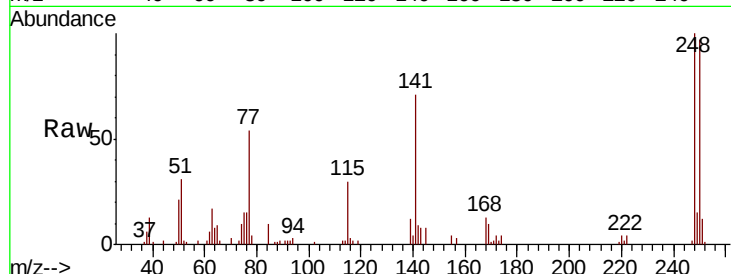




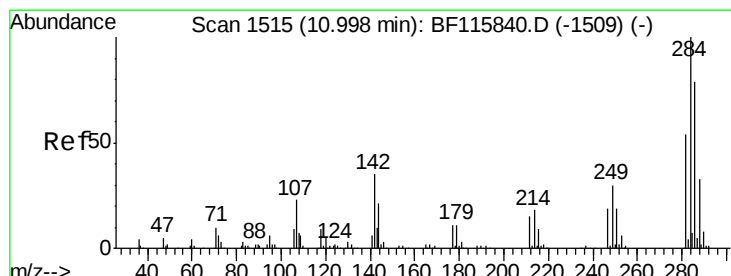
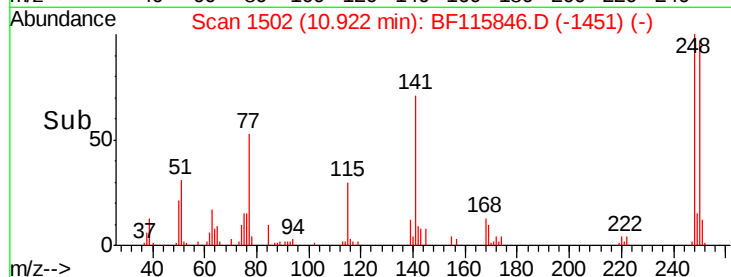
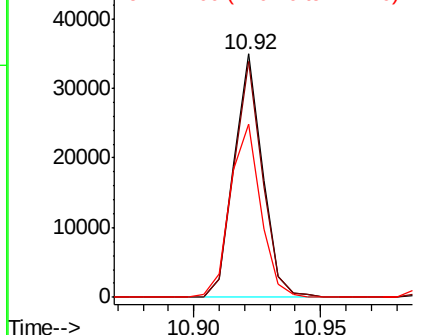
#67
4-Bromophenyl-phenylether
Concen: 5.080 ng
RT: 10.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:248 Resp: 27285
Ion Ratio Lower Upper
248 100
250 97.1 77.8 116.6
141 71.2 64.3 96.5

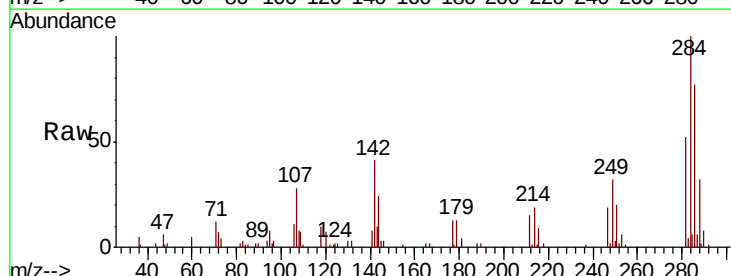


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

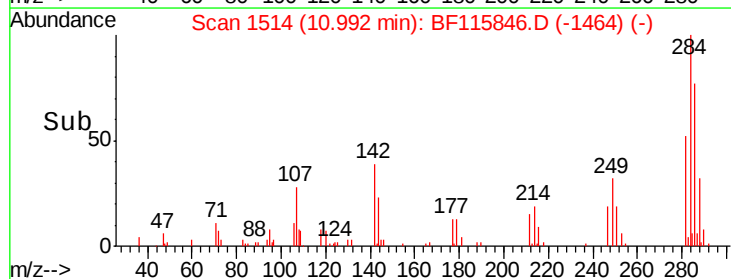
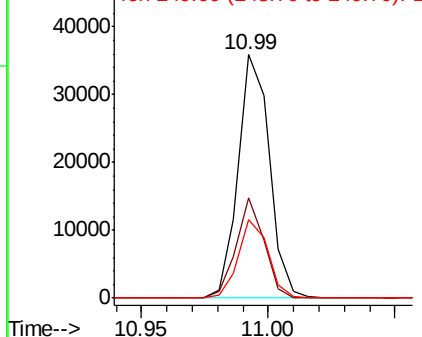


#68
Hexachlorobenzene
Concen: 4.940 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:284 Resp: 30682
Ion Ratio Lower Upper
284 100
142 41.2 28.2 42.2
249 32.0 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

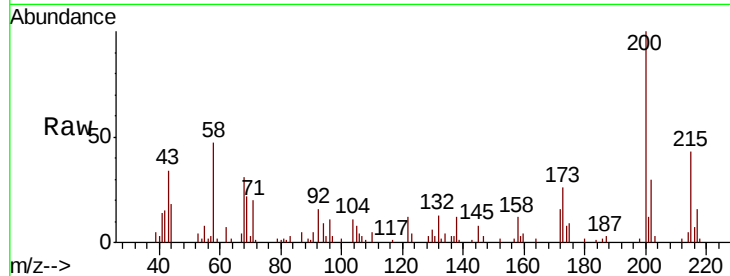




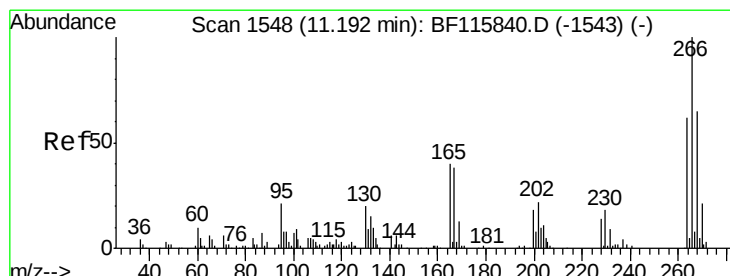
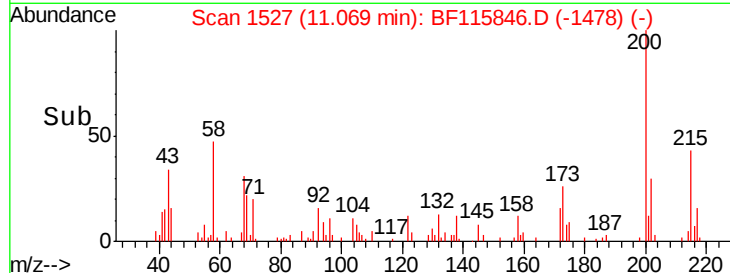
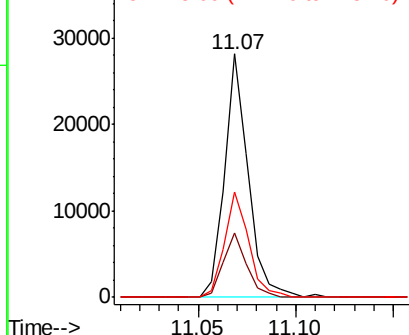
#69
Atrazine
Concen: 4.761 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:200 Resp: 23654
Ion Ratio Lower Upper
200 100
173 26.2 7.3 47.3
215 43.1 26.9 66.9

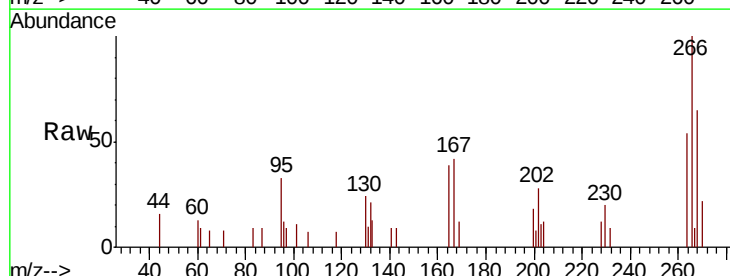


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

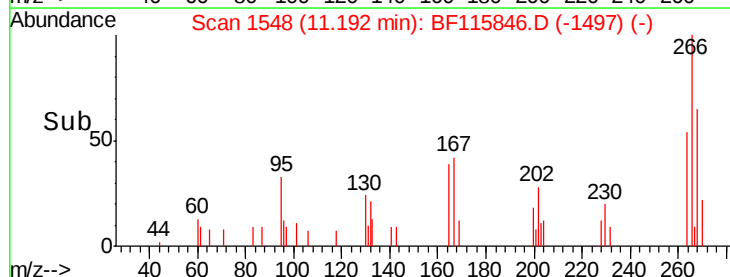
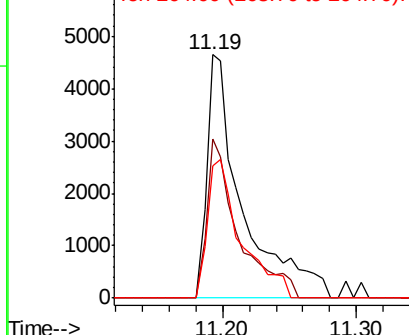


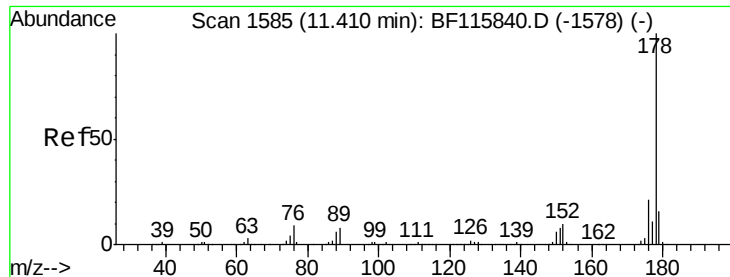
#70
Pentachlorophenol
Concen: 2.852 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:266 Resp: 8599
Ion Ratio Lower Upper
266 100
268 65.2 51.6 77.4
264 54.4 49.4 74.0



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

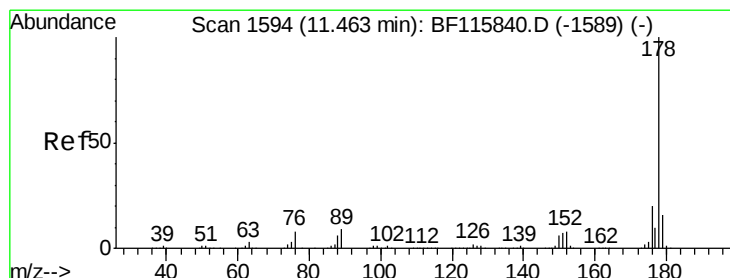
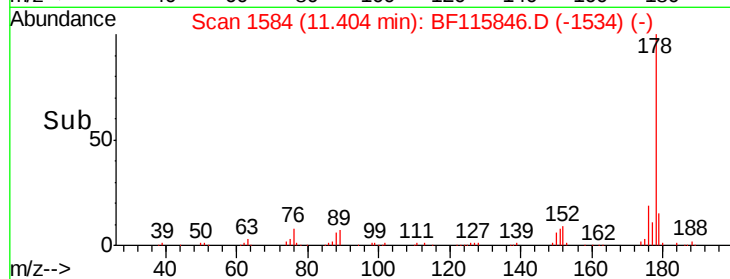
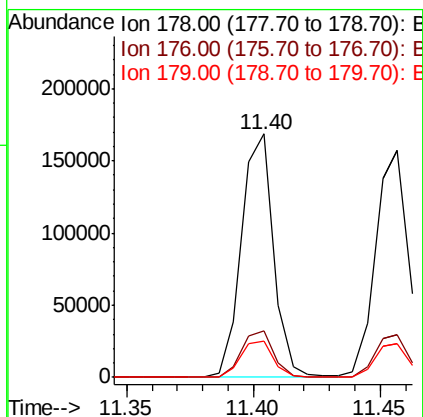
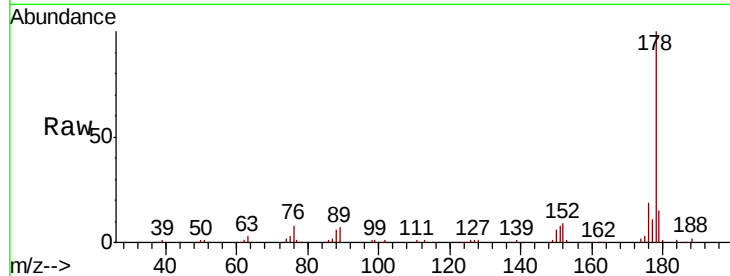




#71
Phenanthrene
Concen: 5.784 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

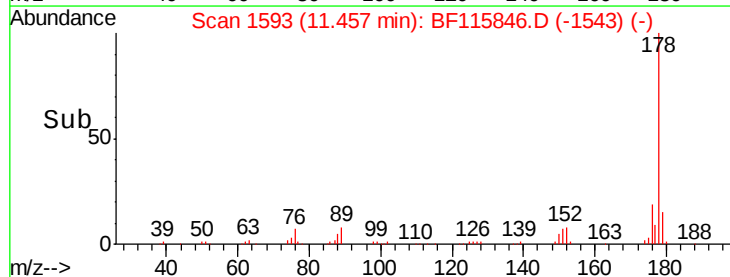
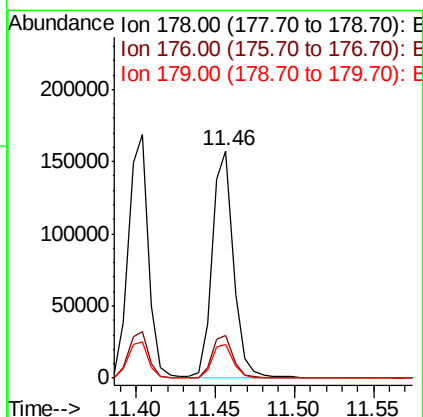
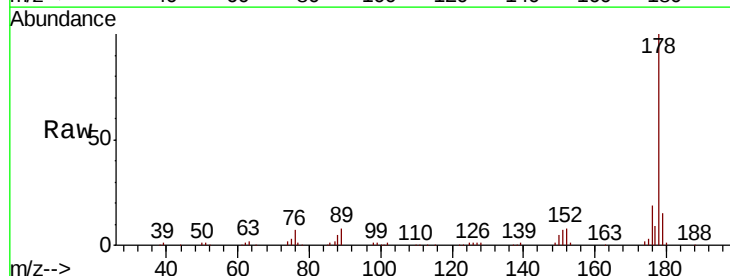
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

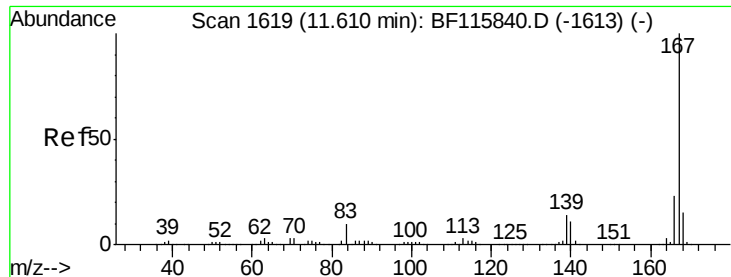
Tot Ion:178 Resp: 148357
Ion Ratio Lower Upper
178 100
176 18.9 16.5 24.7
179 14.8 12.6 18.8



#72
Anthracene
Concen: 5.705 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:178 Resp: 148098
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.0 12.4 18.6

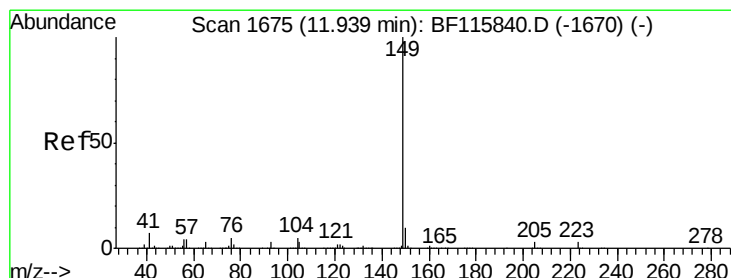
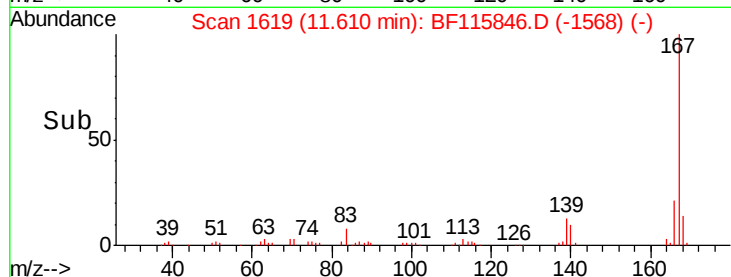
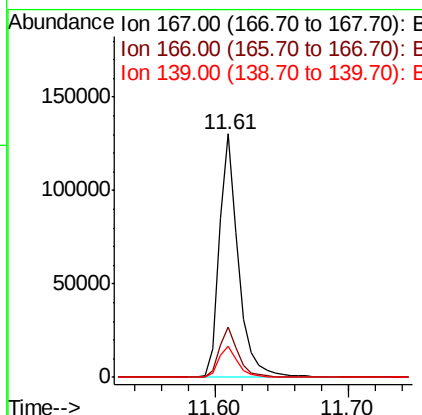
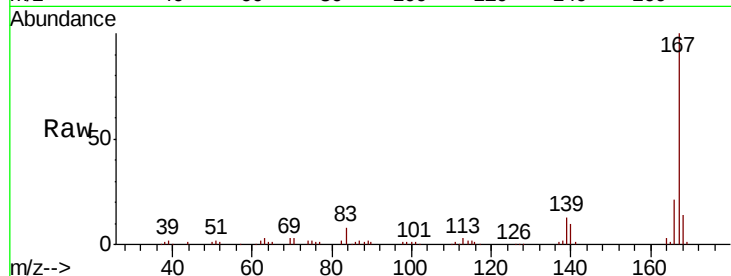




#73
 Carbazole
 Concen: 5.550 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

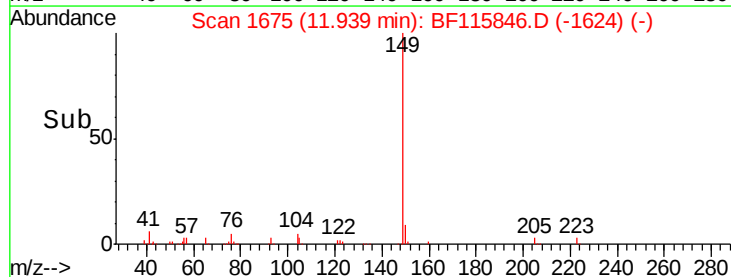
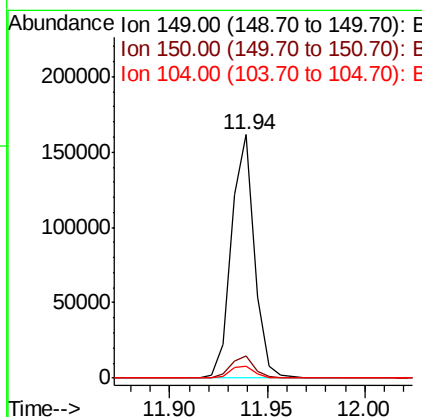
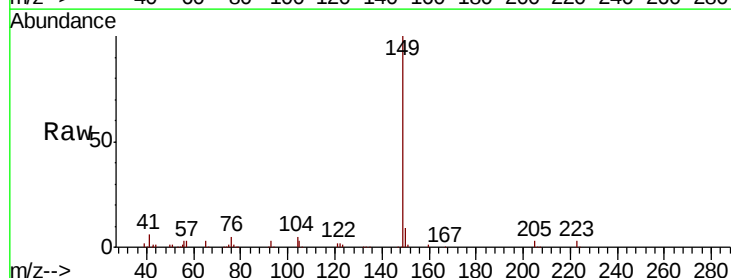
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

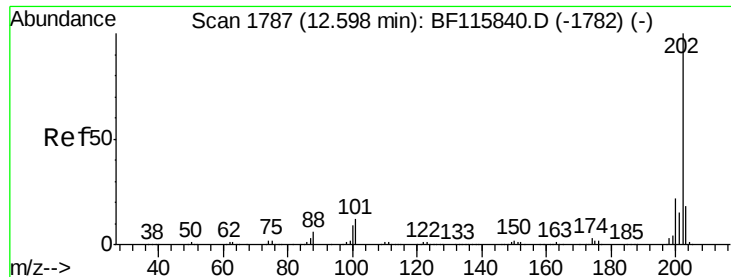
Tot Ion:167 Resp: 130708
 Ion Ratio Lower Upper
 167 100
 166 20.9 18.0 27.0
 139 12.8 11.4 17.2



#74
 Di-n-butylphthalate
 Concen: 4.780 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion:149 Resp: 131329
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.7 11.5
 104 4.8 4.3 6.5





#75

Fluoranthene

Concen: 5.456 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

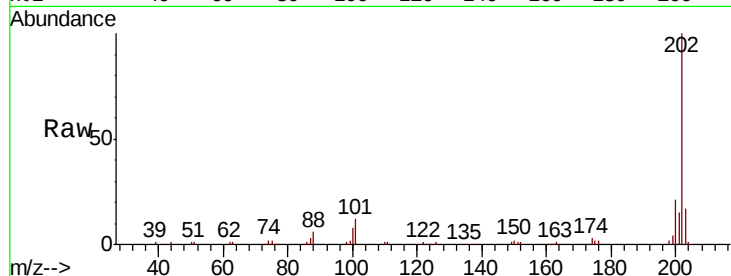
Tot Ion:202 Resp: 146498

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.5

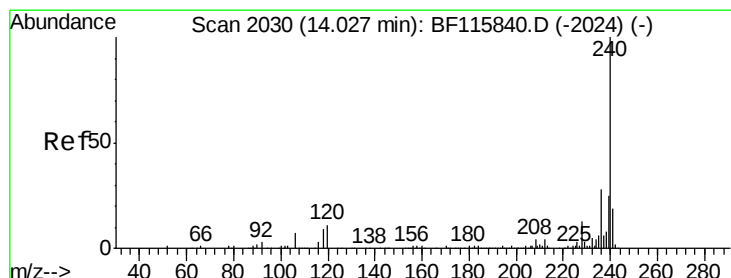
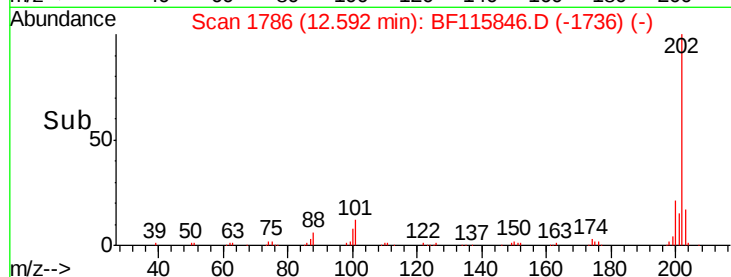
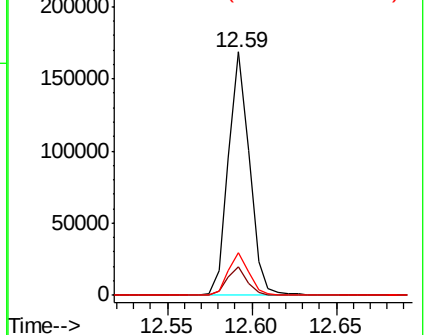
203 17.5 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

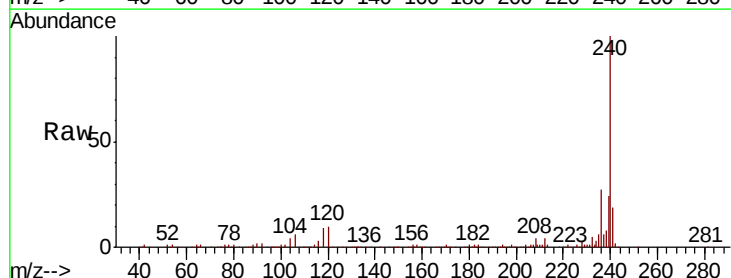
Tgt Ion:240 Resp: 392134

Ion Ratio Lower Upper

240 100

120 9.8 8.5 12.7

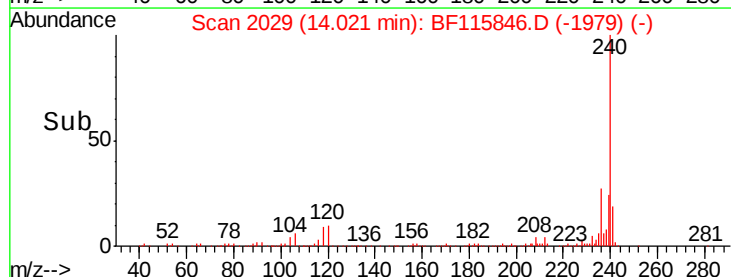
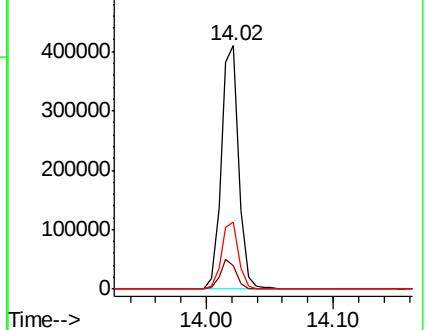
236 27.4 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.368 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

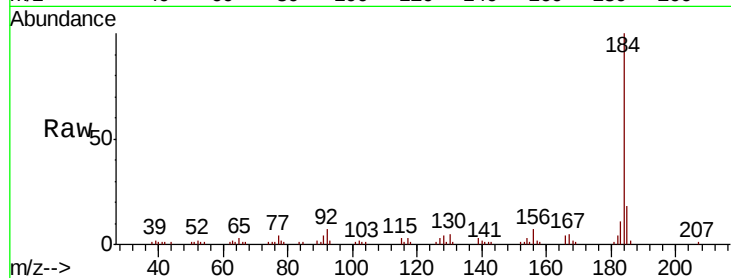
Tot Ion:184 Resp: 57865

Ion Ratio Lower Upper

184 100

185 18.4 13.4 20.2

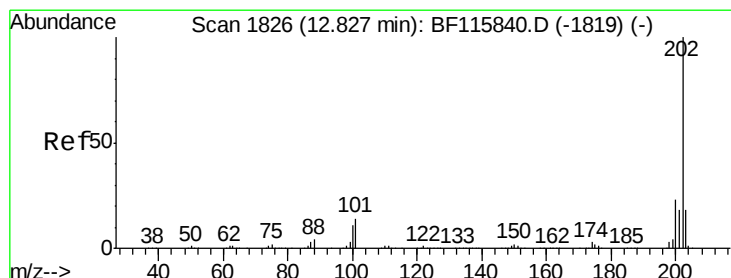
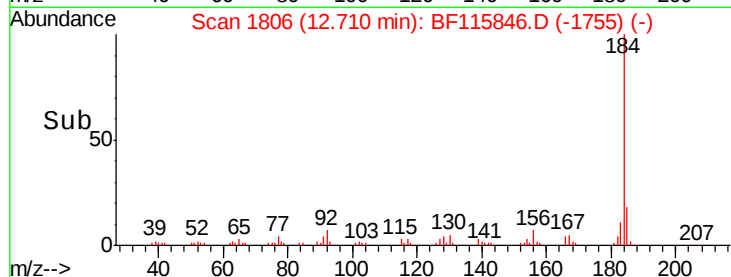
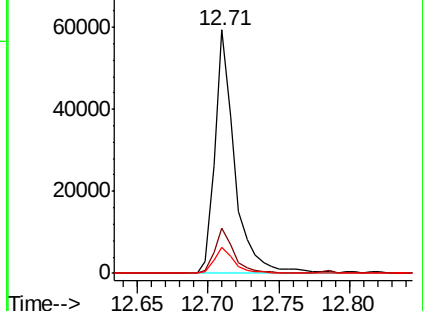
183 10.9 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.263 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

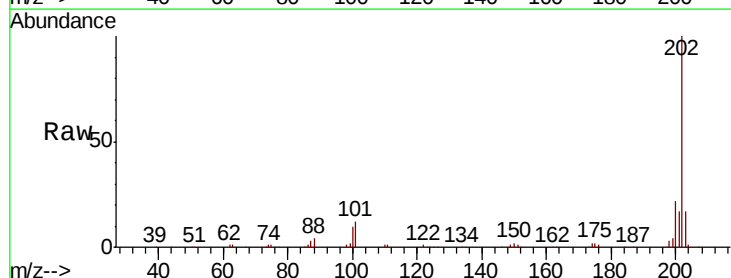
Tgt Ion:202 Resp: 155575

Ion Ratio Lower Upper

202 100

200 21.5 18.2 27.2

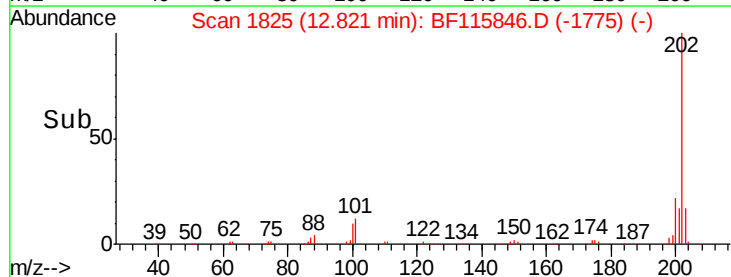
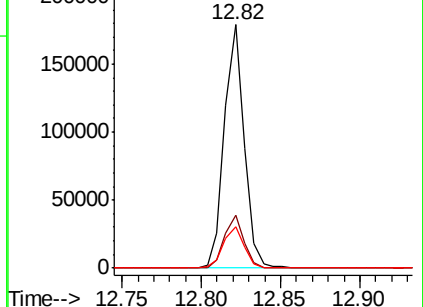
203 17.0 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 74.712 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

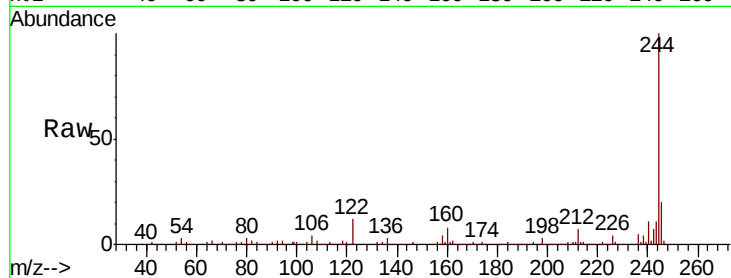
Tot Ion:244 Resp: 1390353

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

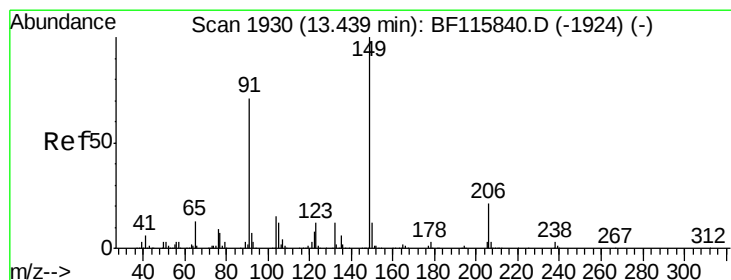
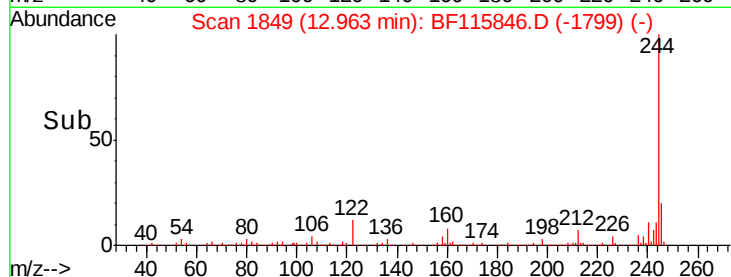
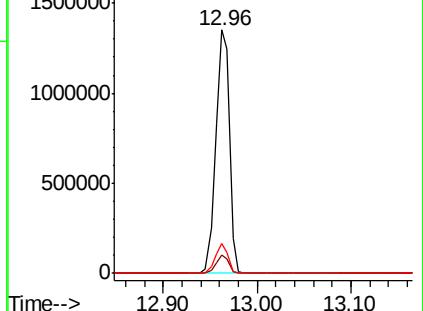
122 12.4 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.053 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

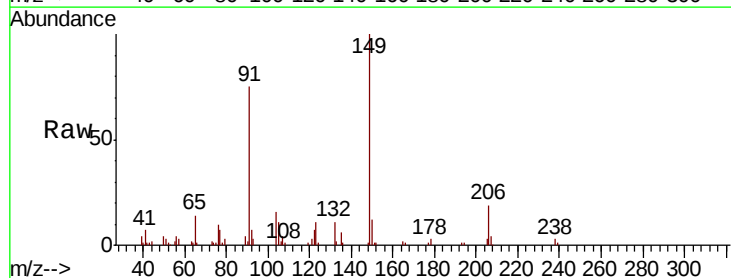
Tgt Ion:149 Resp: 50677

Ion Ratio Lower Upper

149 100

91 75.0 57.0 85.6

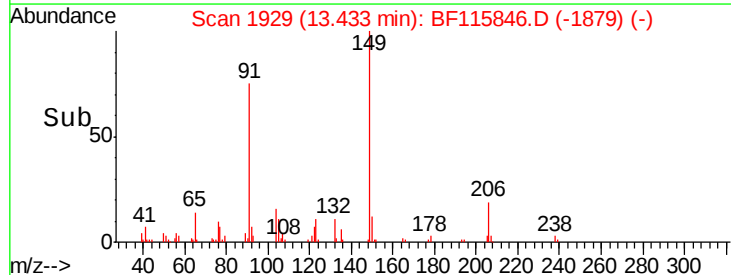
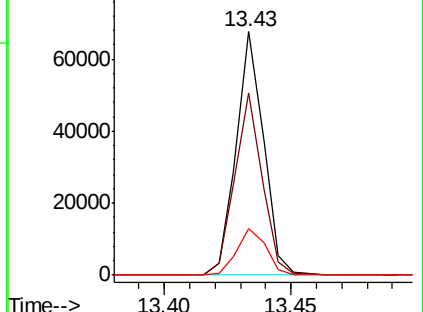
206 19.0 16.9 25.3



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: 5.104 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

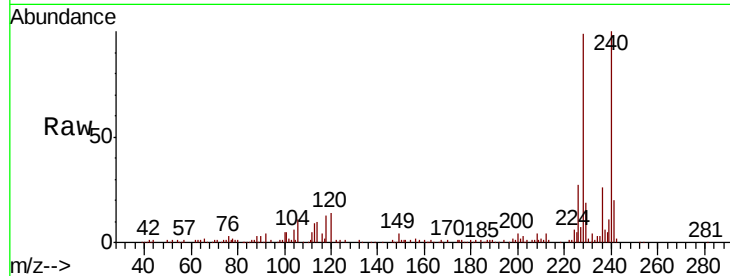
Tot Ion:228 Resp: 127918

Ion Ratio Lower Upper

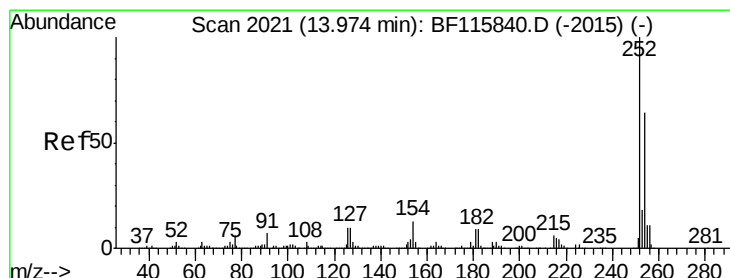
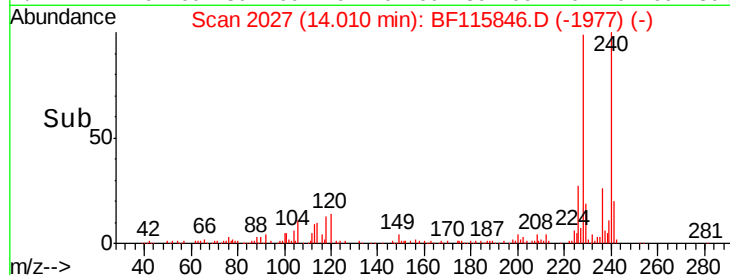
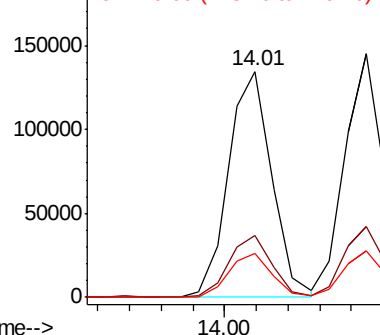
228 100

226 27.2 22.5 33.7

229 19.5 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 4.931 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

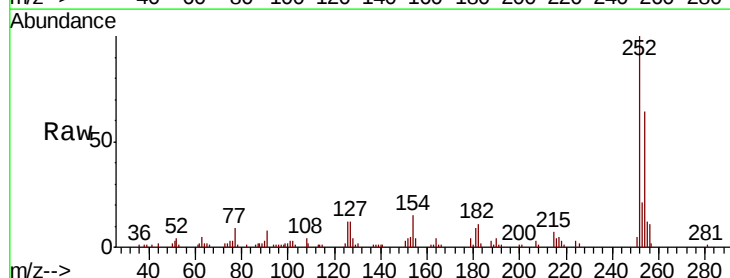
Tgt Ion:252 Resp: 42939

Ion Ratio Lower Upper

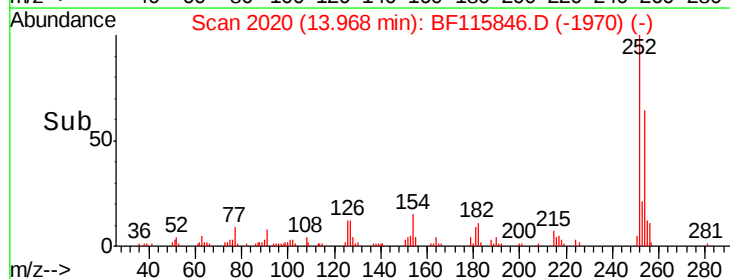
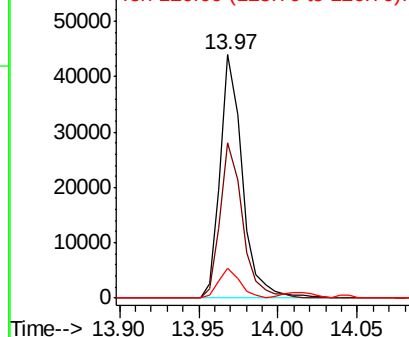
252 100

254 63.8 51.2 76.8

126 12.2 8.1 12.1#



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





#83

Chrysene

Concen: 5.183 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

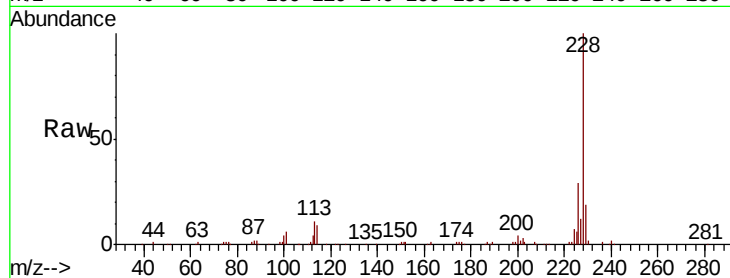
Tot Ion:228 Resp: 126122

Ion Ratio Lower Upper

228 100

226 29.3 24.8 37.2

229 19.2 16.4 24.6

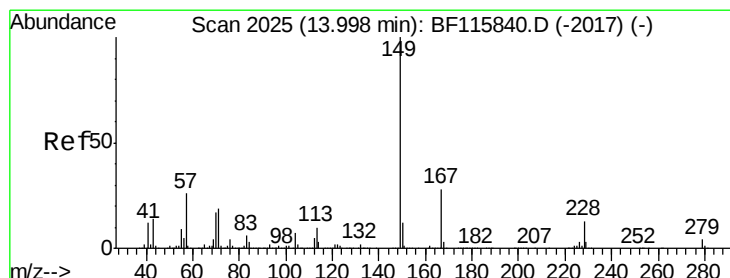
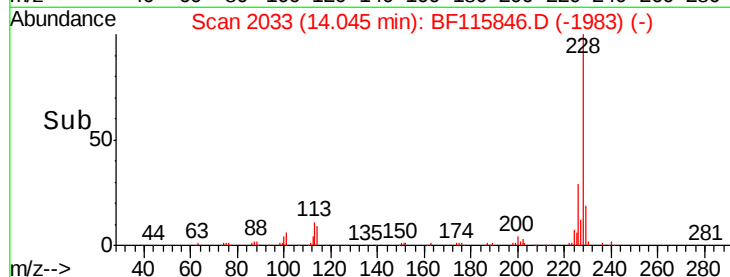
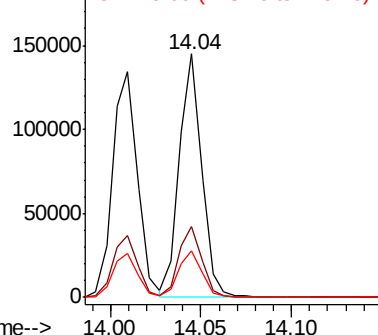


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.186 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

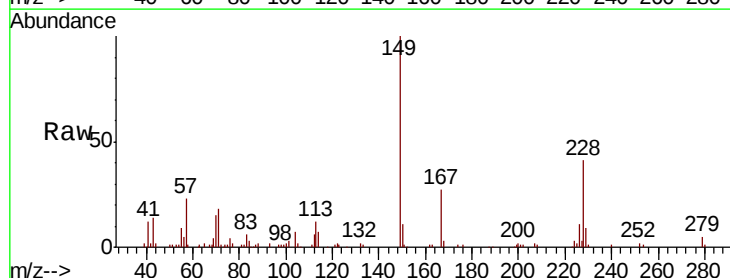
Tgt Ion:149 Resp: 68016

Ion Ratio Lower Upper

149 100

167 27.1 22.4 33.6

279 4.5 3.3 4.9

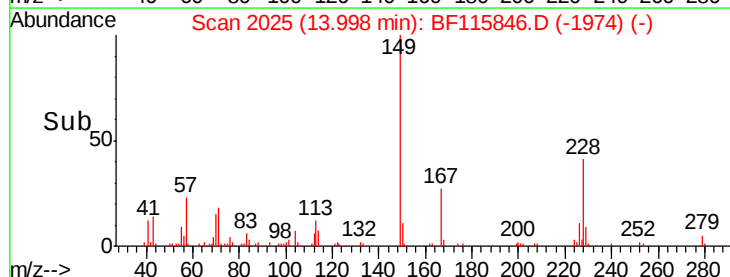
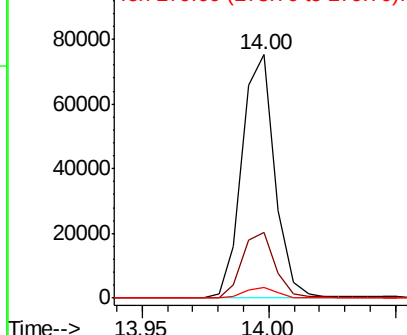


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 4.070 ng

RT: 14.61 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

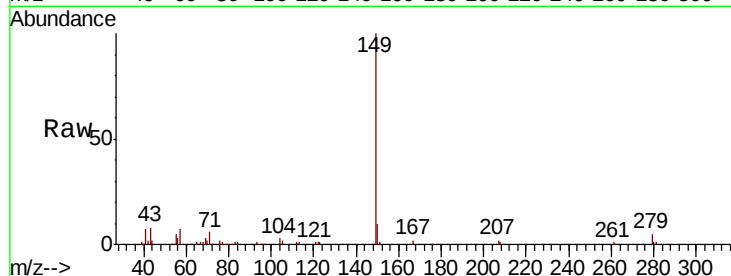
Tot Ion:149 Resp: 105033

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

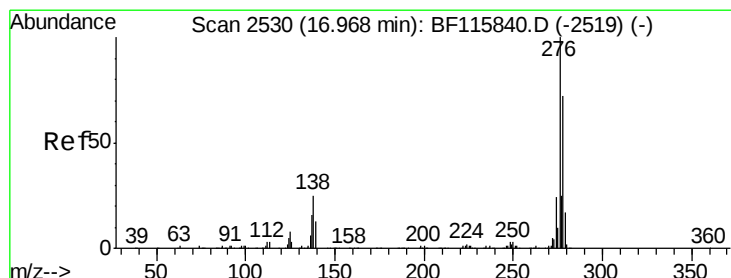
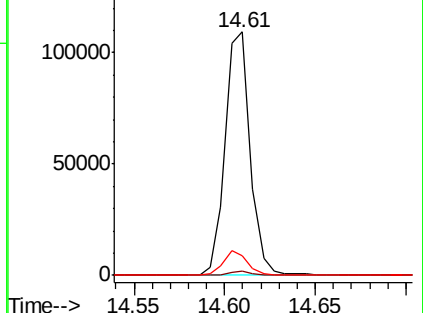
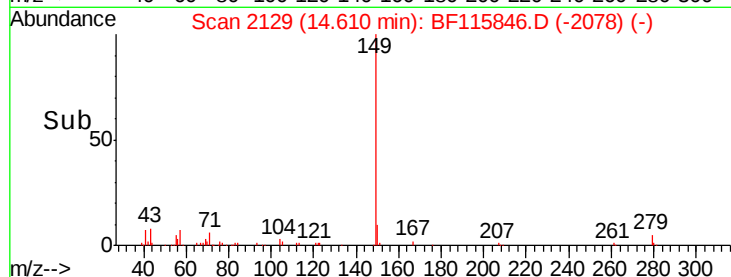
43 9.8 7.4 11.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.609 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

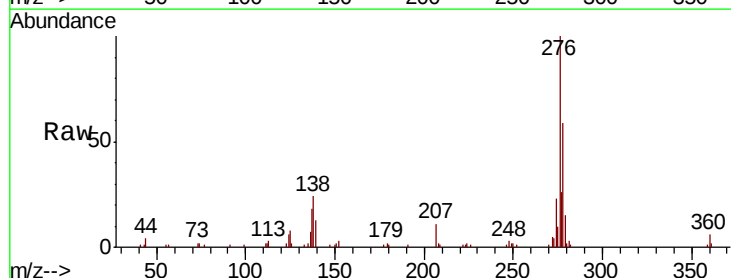
Tgt Ion:276 Resp: 94186

Ion Ratio Lower Upper

276 100

138 25.4 19.6 29.4

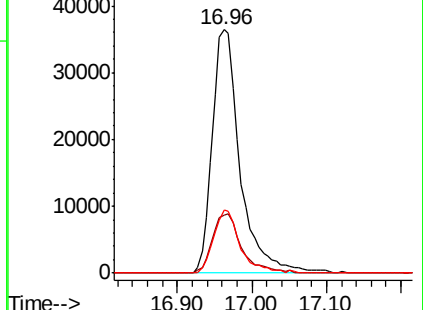
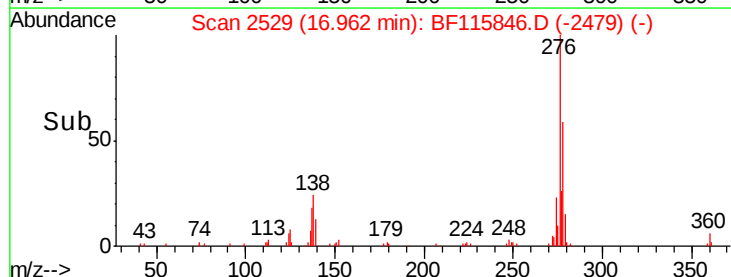
277 24.5 20.1 30.1

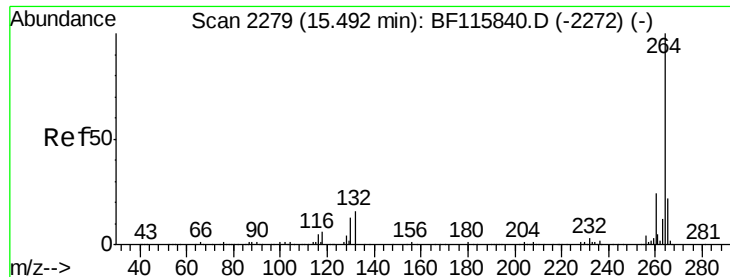


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



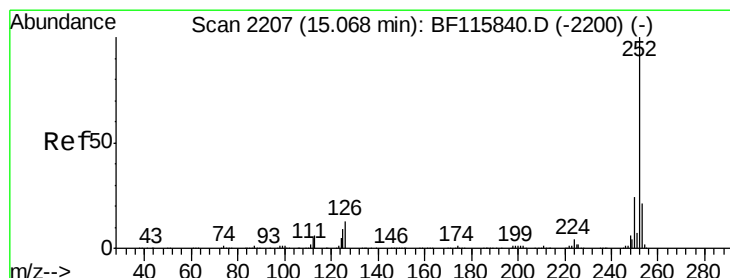
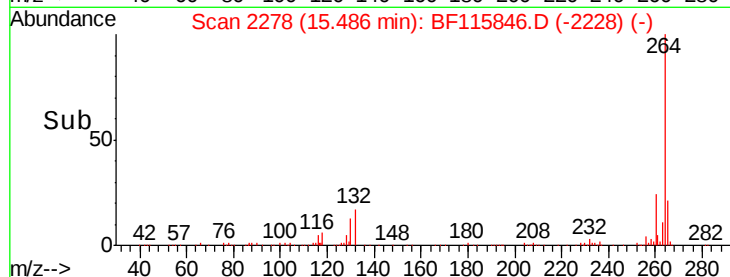
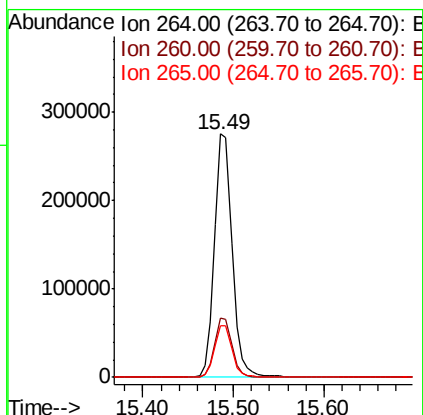
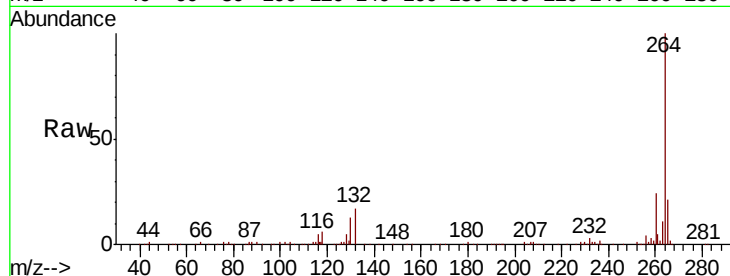


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:264 Resp: 373983

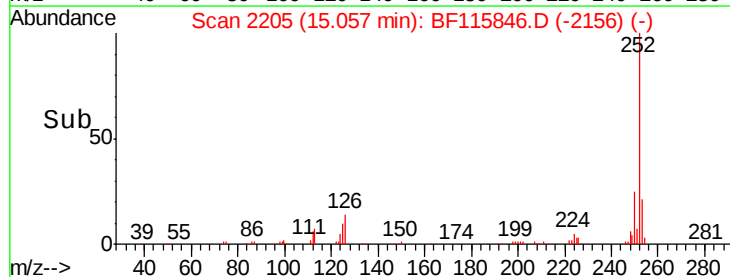
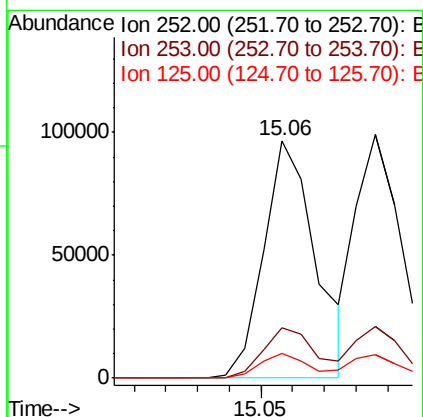
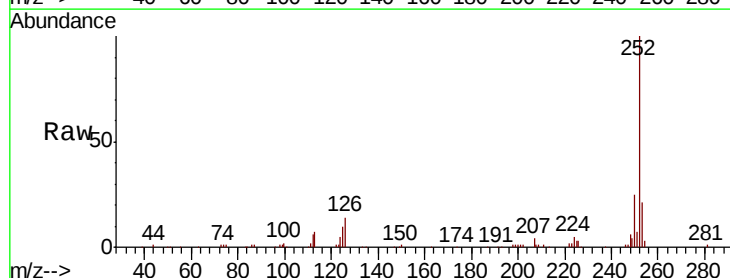
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.0	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 5.079 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:252 Resp: 109821

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.2	25.8
125	10.3	7.4	11.0

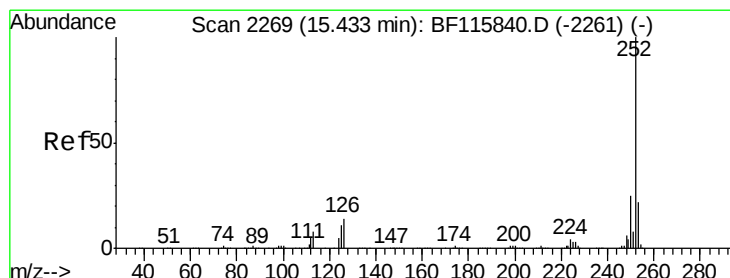
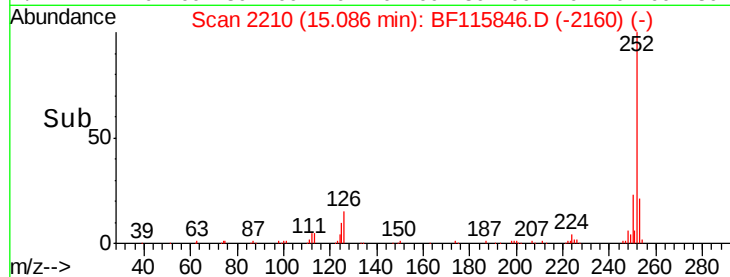
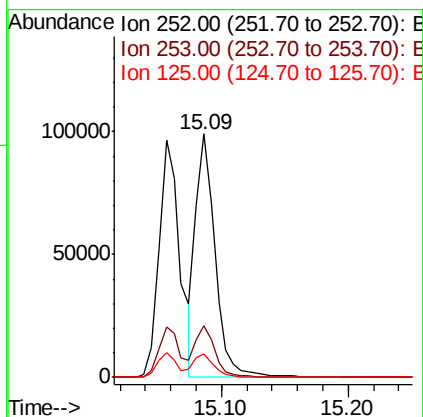
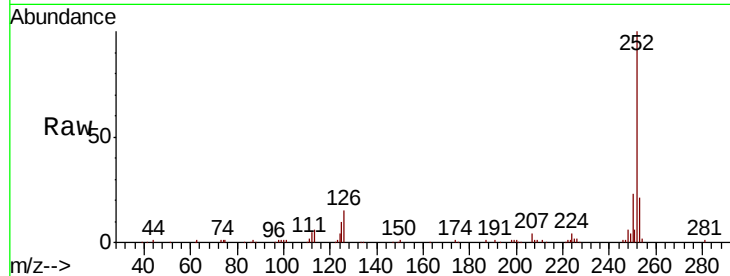




#89
Benzo(k)fluoranthene
Concen: 5.005 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

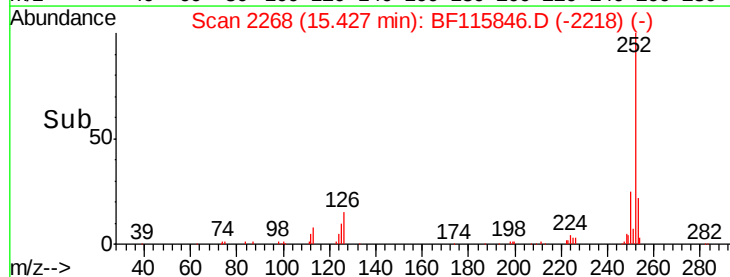
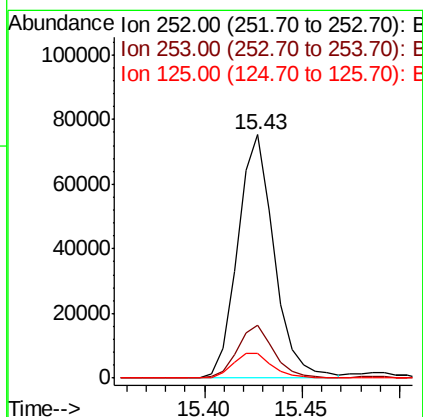
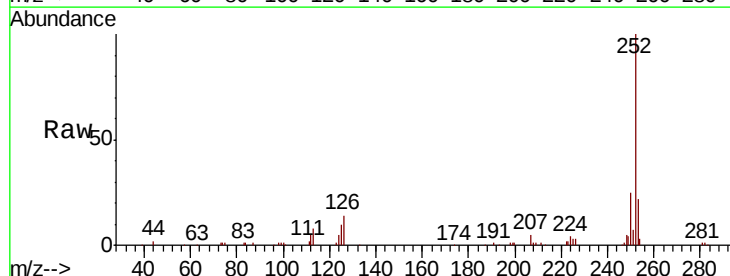
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

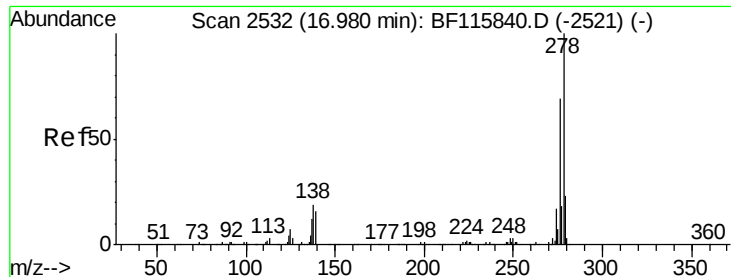
Tot Ion:252 Resp: 105408
Ion Ratio Lower Upper
252 100
253 21.2 18.2 27.4
125 9.9 8.9 13.3



#90
Benzo(a)pyrene
Concen: 5.040 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:252 Resp: 97426
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 10.2 8.8 13.2

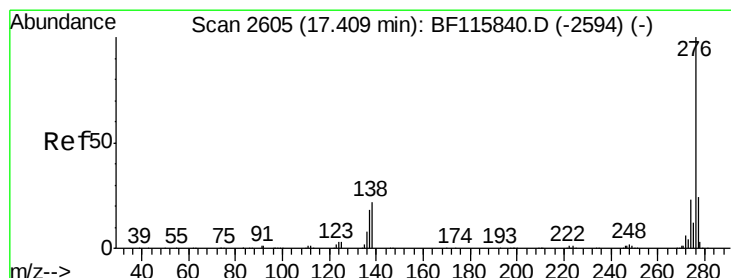
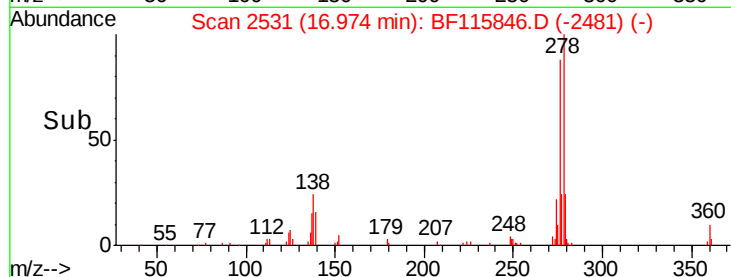
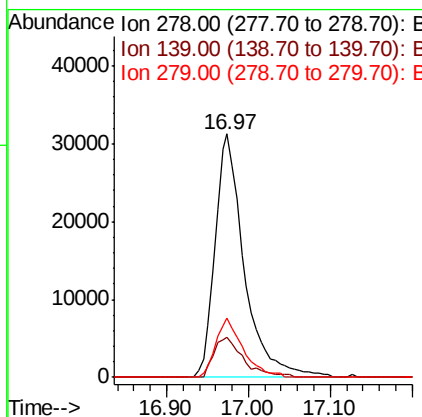
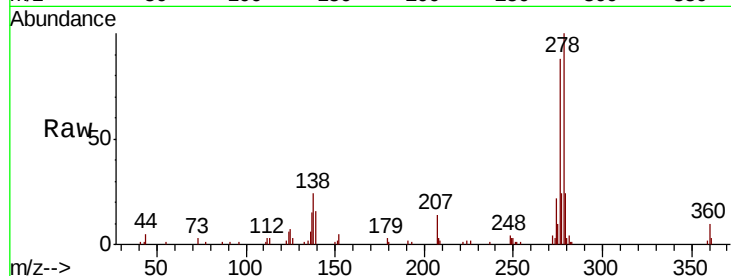




#91
Dibenzo(a,h)anthracene
Concen: 4.641 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:278 Resp: 77660
Ion Ratio Lower Upper
278 100
139 16.5 12.6 19.0
279 24.4 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 4.671 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

Tgt Ion:276 Resp: 76750
Ion Ratio Lower Upper
276 100
277 22.6 19.5 29.3
138 22.1 17.8 26.8

