

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

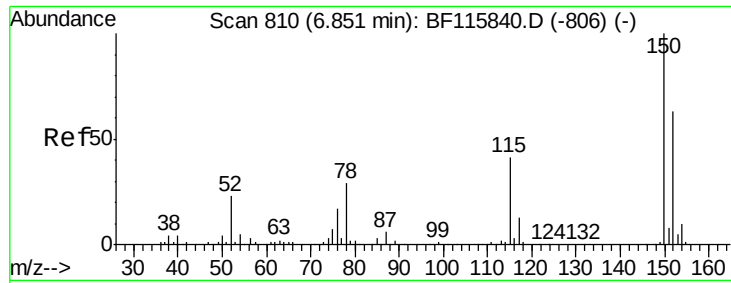
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073019\
 Data File : BF115846.D
 Acq On : 30 Jul 2019 17:15
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 QLast Update : Wed Jul 31 04:26:31 2019
 Response via : Initial Calibration

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

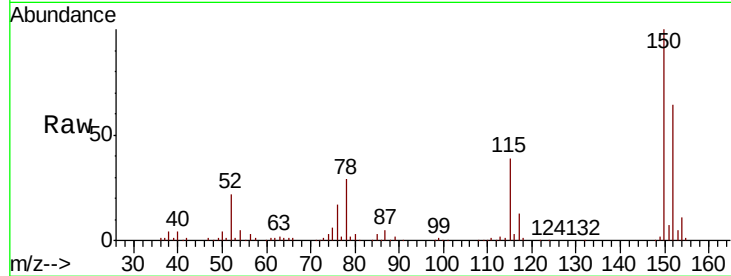


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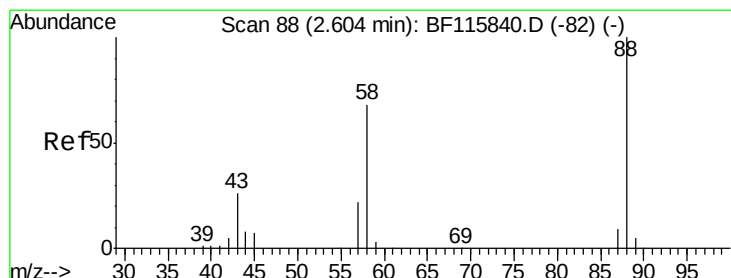
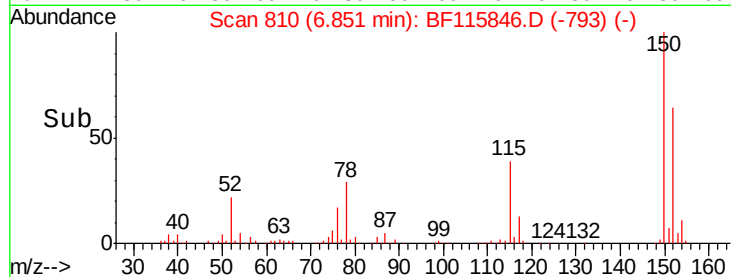
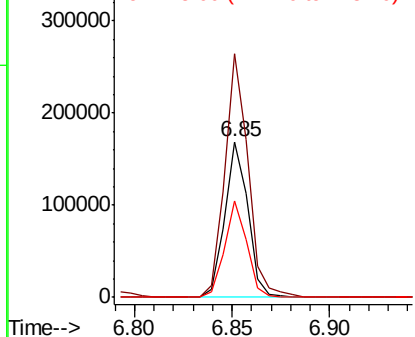
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

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



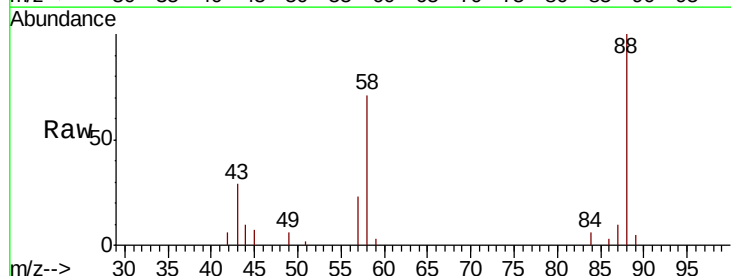
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



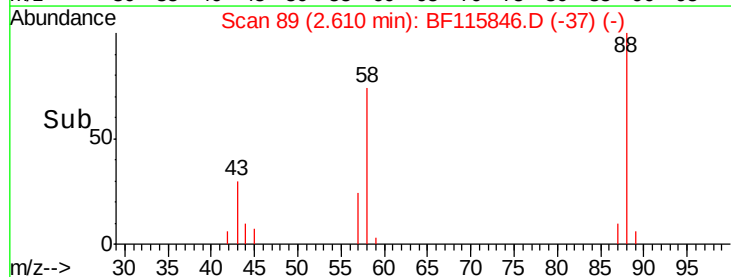
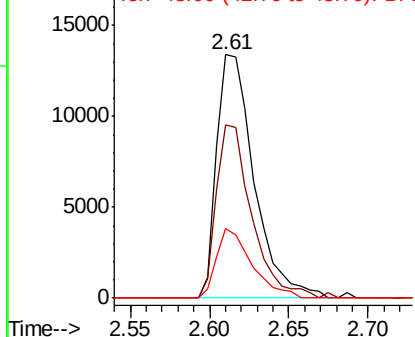
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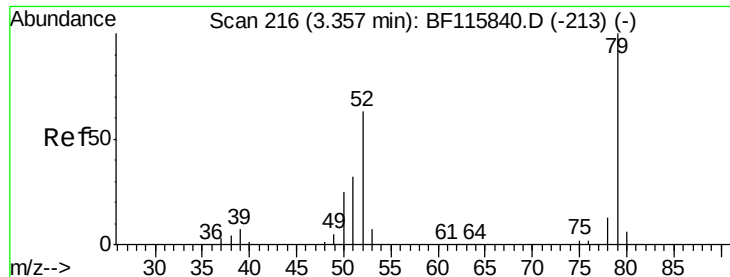
1,4-Dioxane
 Concen: 5.313 ng
 RT: 2.61 min Scan# 89
 Delta R.T. 0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

Pyridine

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

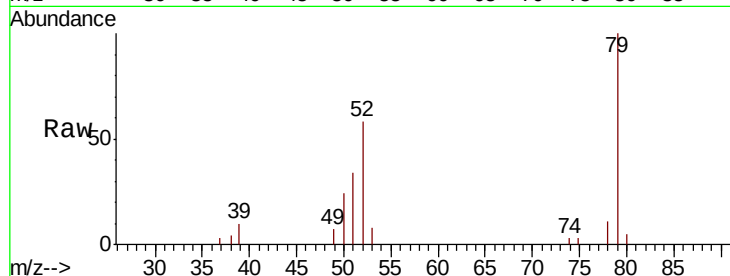
Tgt Ion: 79 Resp: 48066

Ion Ratio Lower Upper

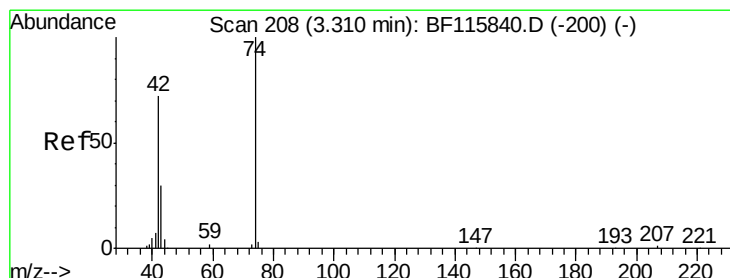
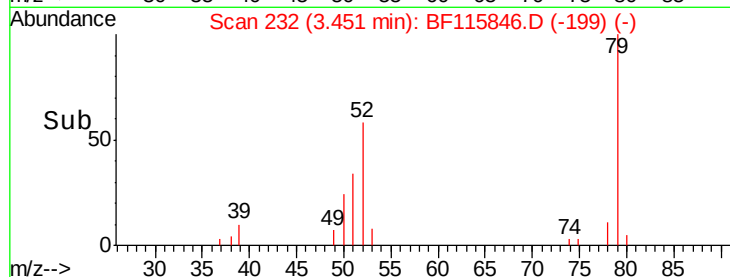
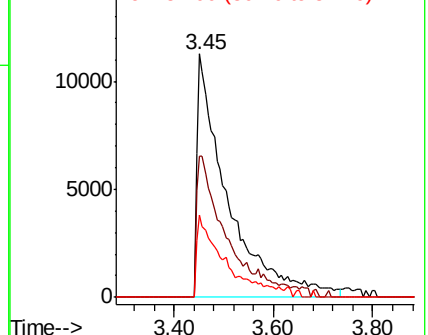
79 100

52 57.8 50.2 75.4

51 33.6 25.8 38.6



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



#4

n-Nitrosodimethylamine

Concen: 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

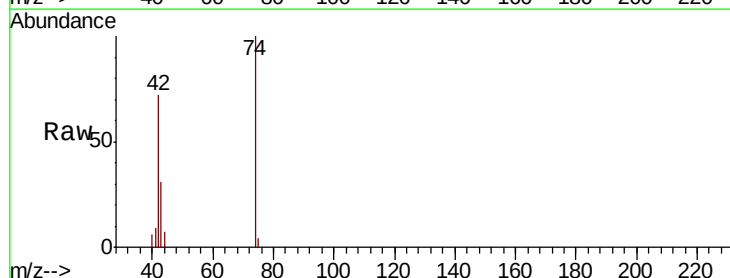
Tgt Ion: 42 Resp: 21277

Ion Ratio Lower Upper

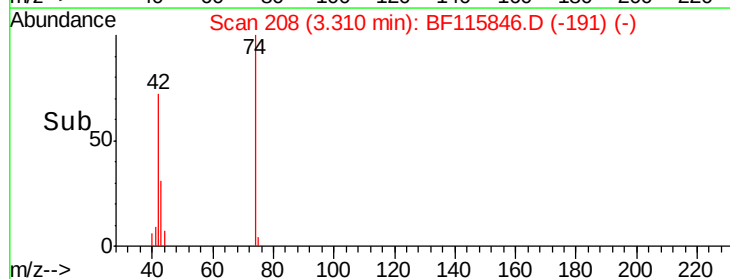
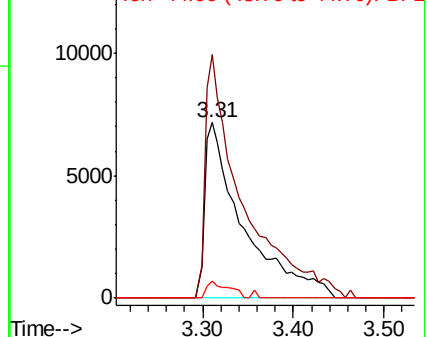
42 100

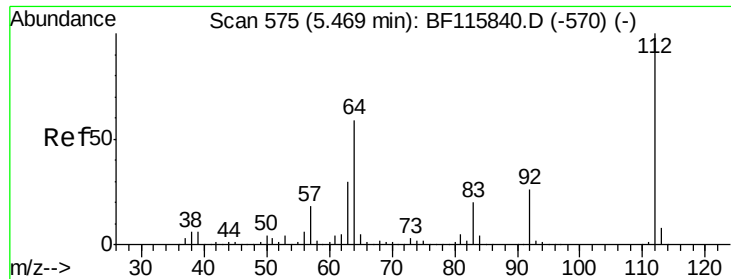
74 138.8 111.0 166.4

44 9.7 4.7 7.1#



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





#5

2-Fluorophenol

Concen: 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

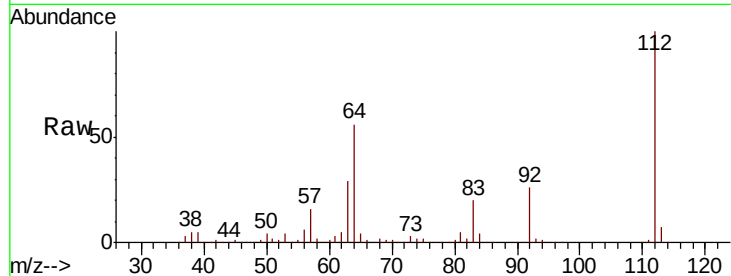
Tgt Ion: 112 Resp: 1001190

Ion Ratio Lower Upper

112 100

64 55.9 46.8 70.2

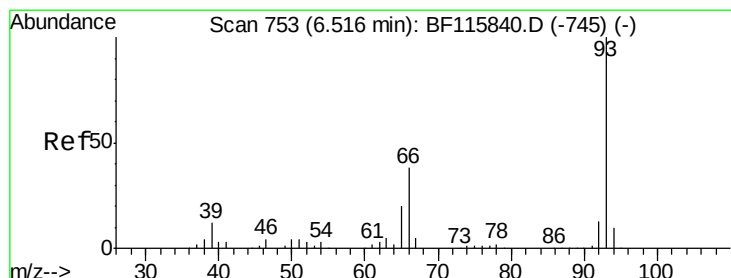
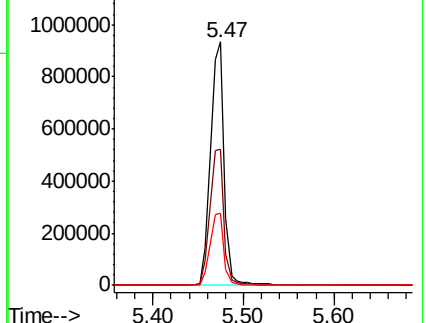
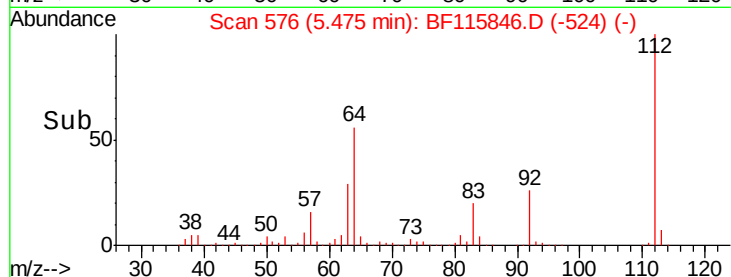
63 29.5 24.2 36.2



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

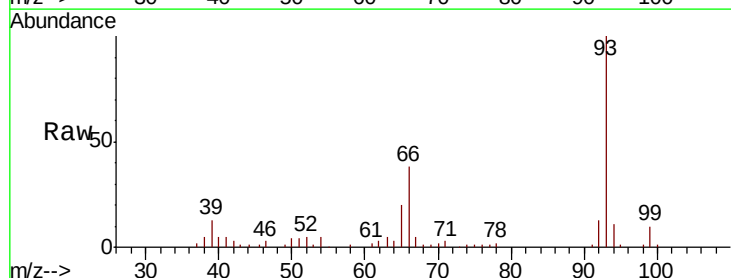
Tgt Ion: 93 Resp: 76919

Ion Ratio Lower Upper

93 100

66 38.3 31.4 47.0

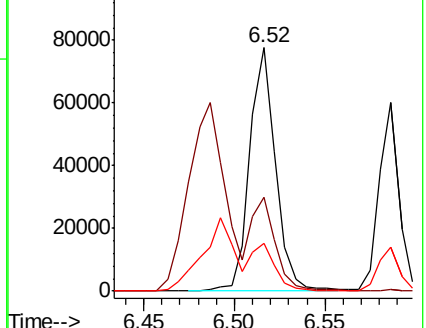
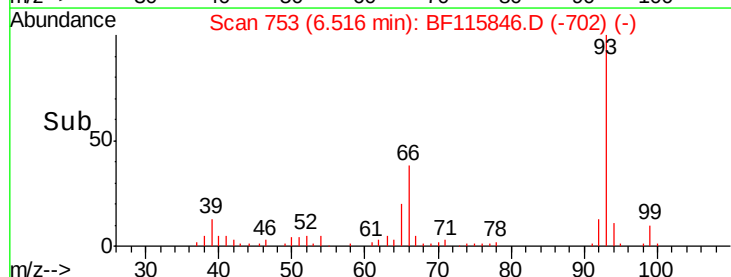
65 19.7 16.5 24.7

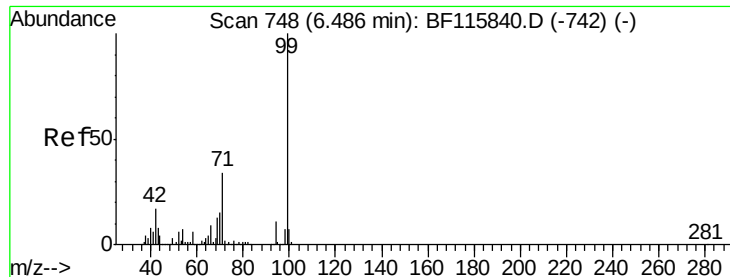


Abundance Ion 93.00 (92.70 to 93.70): BF1

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

Acq: 30 Jul 2019 17:15

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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

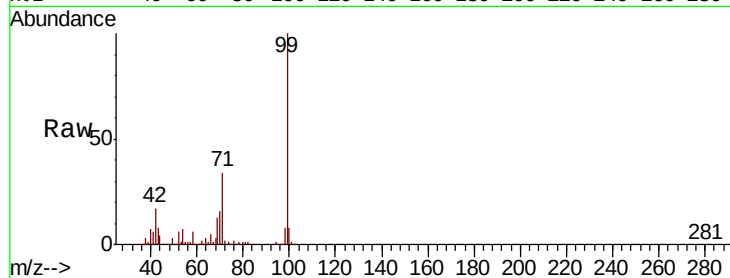
Tgt Ion: 99 Resp: 1248940

Ion Ratio Lower Upper

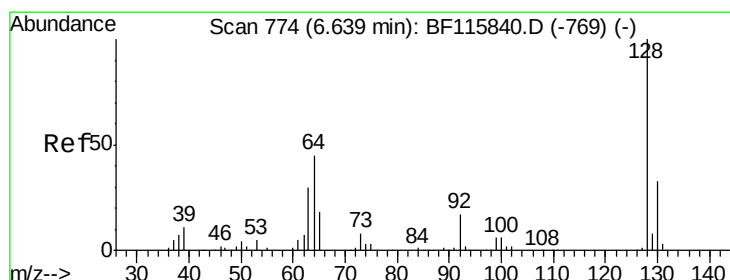
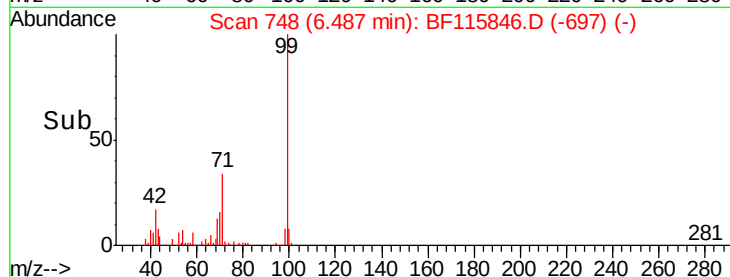
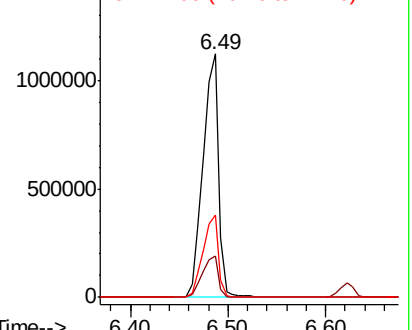
99 100

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

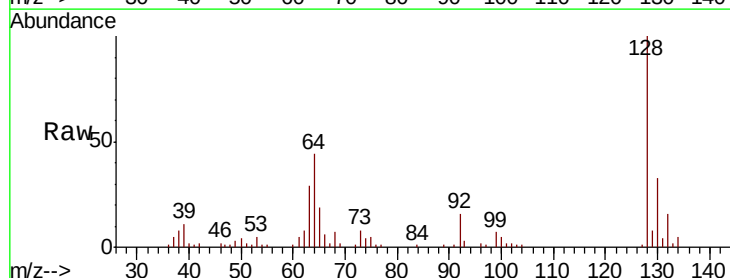
Tgt Ion: 128 Resp: 47463

Ion Ratio Lower Upper

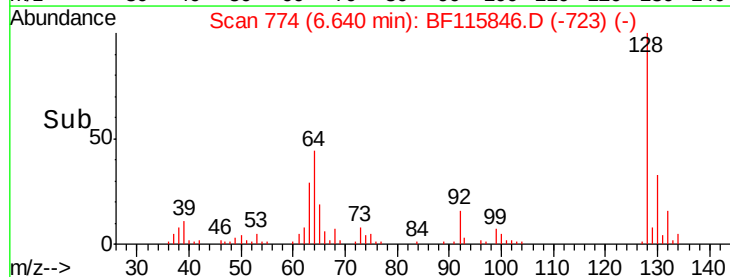
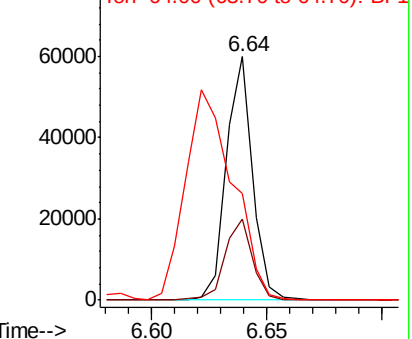
128 100

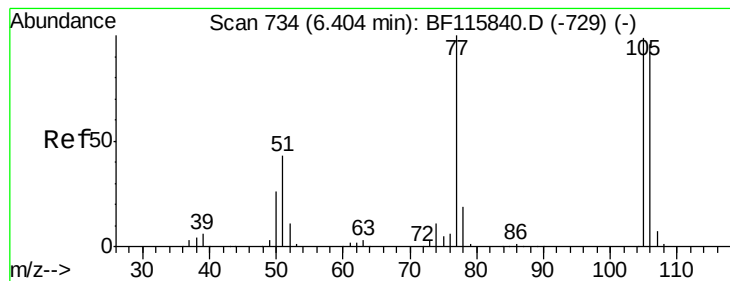
130 33.3 12.9 52.9

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

Lab File: BF115846.D

Acq: 30 Jul 2019 17:15

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

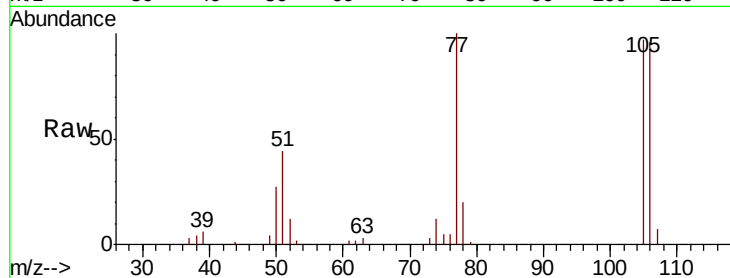
Tgt Ion: 77 Resp: 41823

Ion Ratio Lower Upper

77 100

105 97.5 79.0 119.0

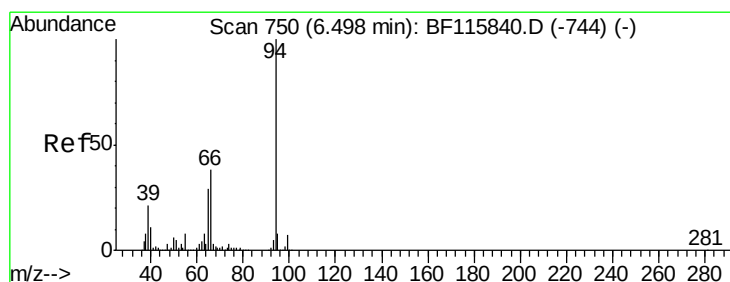
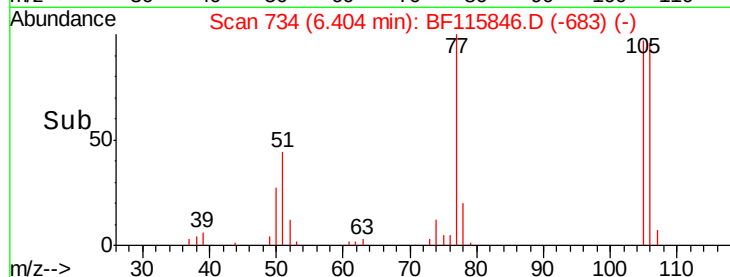
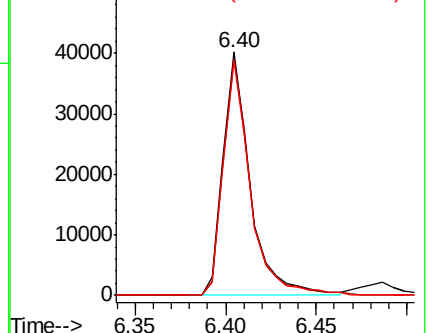
106 96.3 76.2 116.2



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

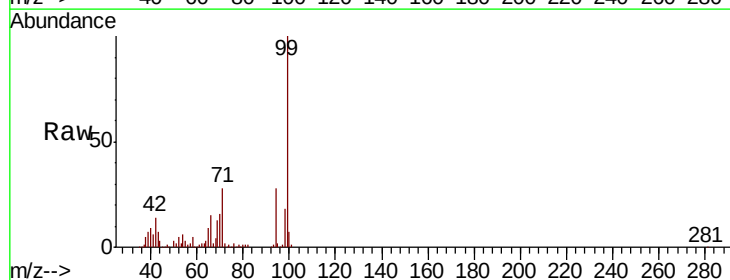
Tgt Ion: 94 Resp: 65261

Ion Ratio Lower Upper

94 100

65 30.9 8.9 48.9

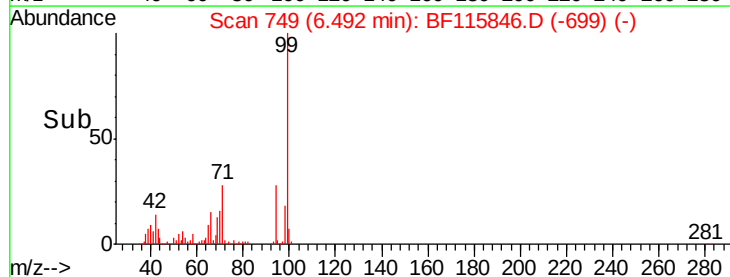
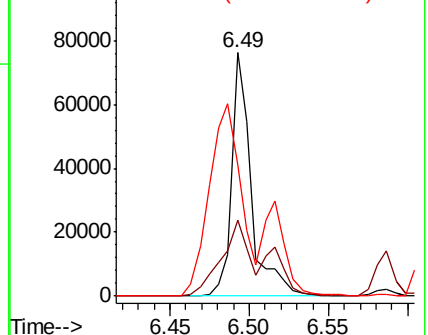
66 53.7 18.0 58.0

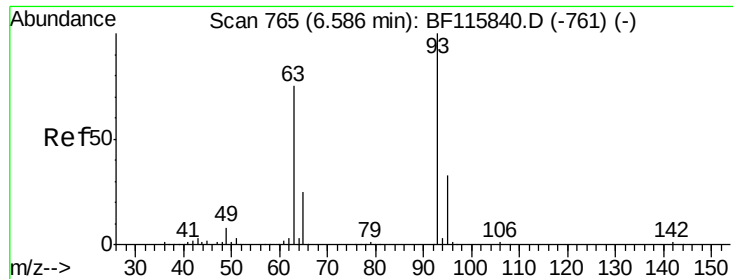


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

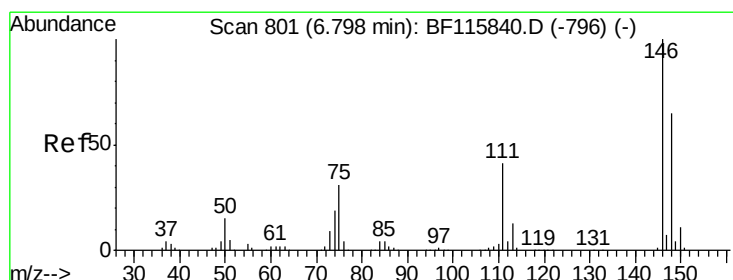
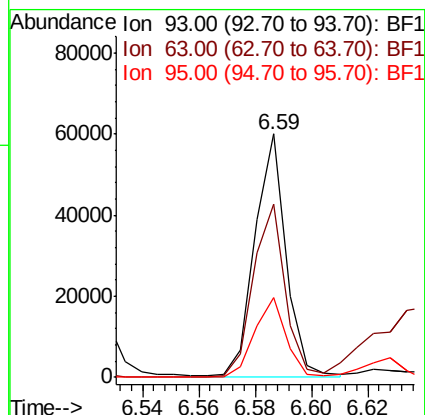
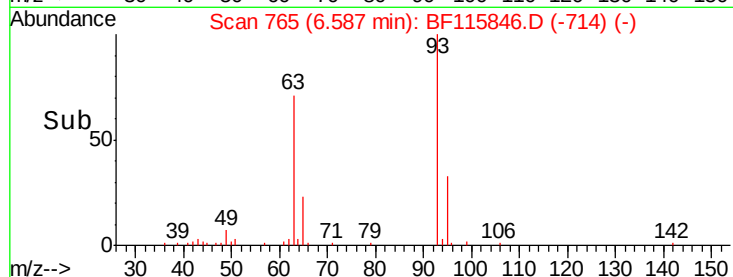
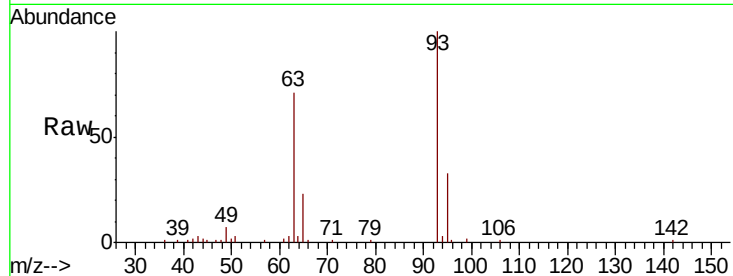




#11
bis(2-Chloroethyl)ether
Concen: 5.164 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

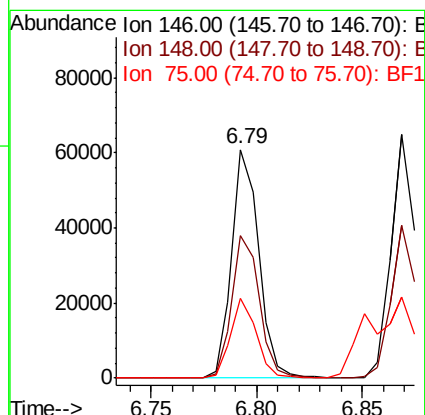
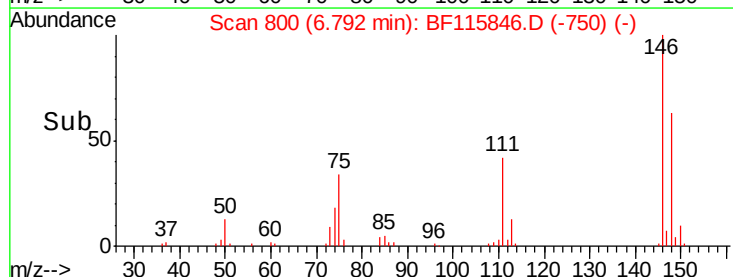
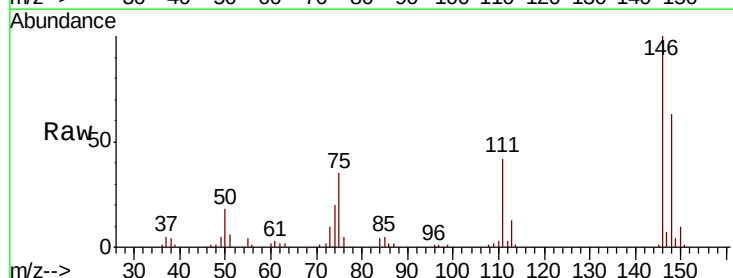
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

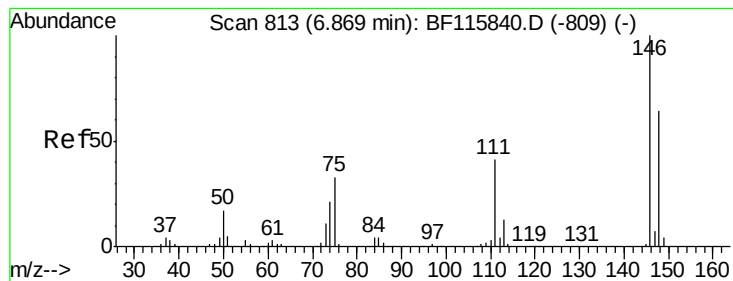
Tgt Ion: 93 Resp: 46310
Ion Ratio Lower Upper
93 100
63 70.9 54.9 94.9
95 32.6 13.3 53.3



#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

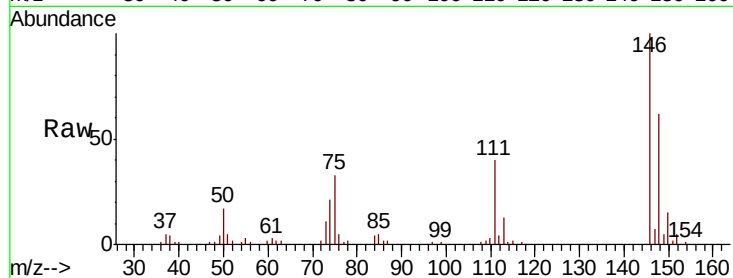
Tgt Ion:146 Resp: 54810

Ion Ratio Lower Upper

146 100

148 62.5 51.2 76.8

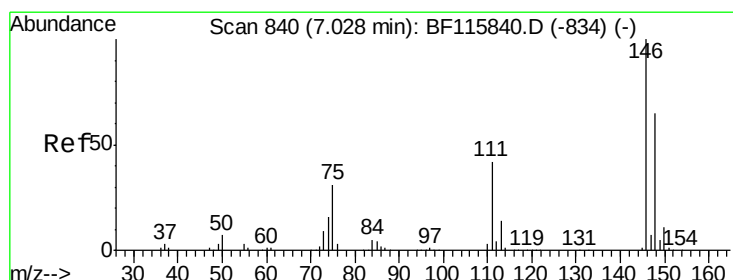
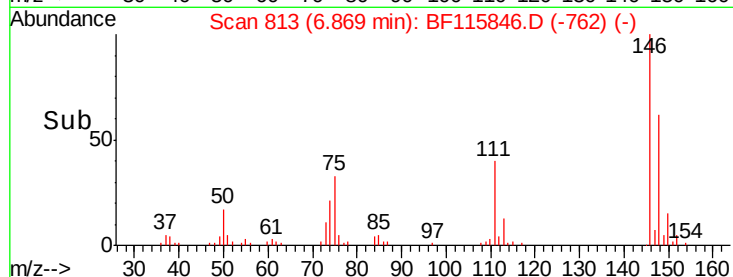
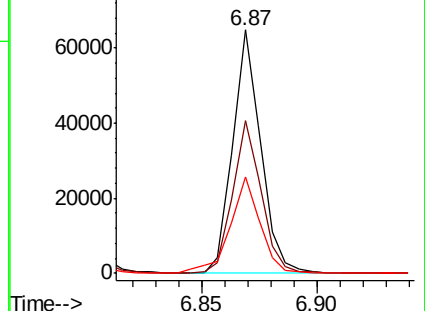
111 39.6 33.2 49.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#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

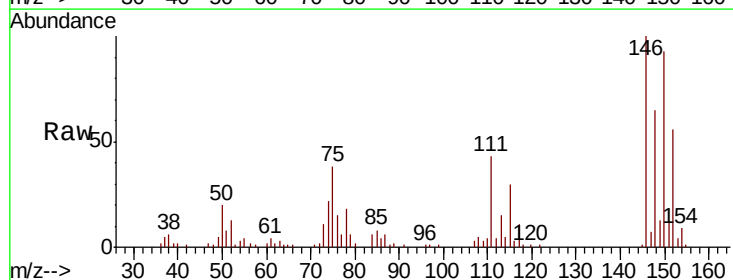
Tgt Ion:146 Resp: 50758

Ion Ratio Lower Upper

146 100

148 65.1 51.6 77.4

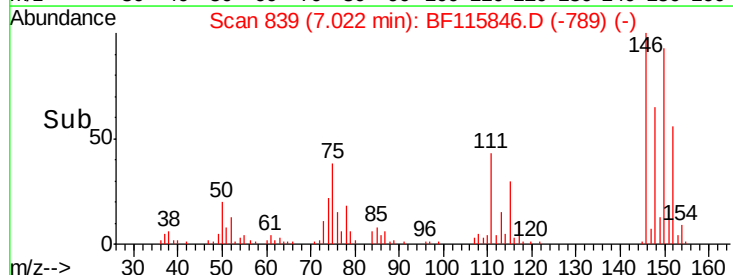
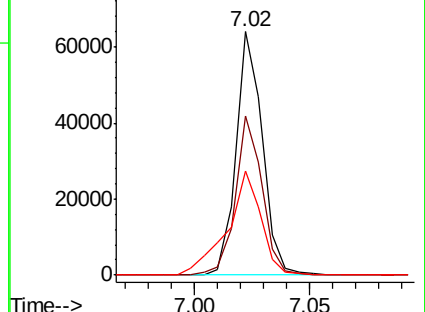
111 42.8 33.6 50.4

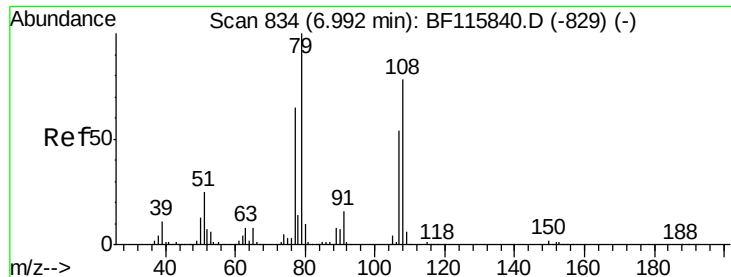


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#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

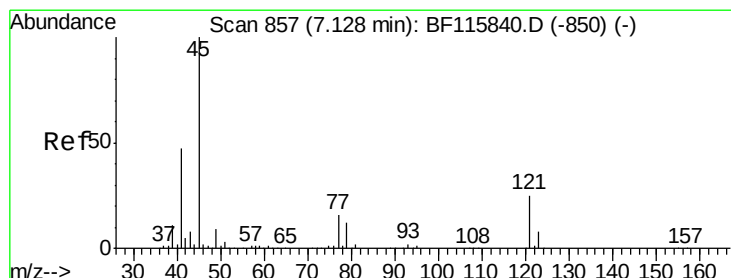
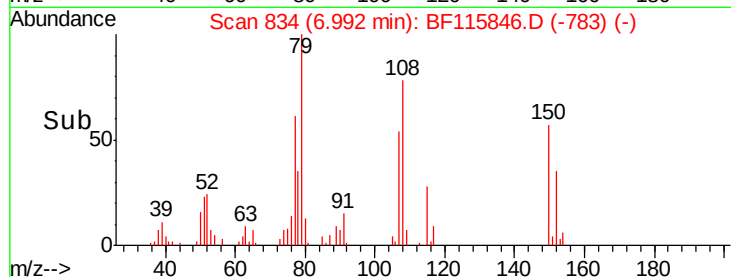
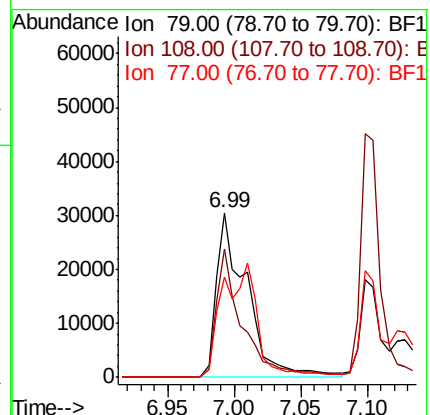
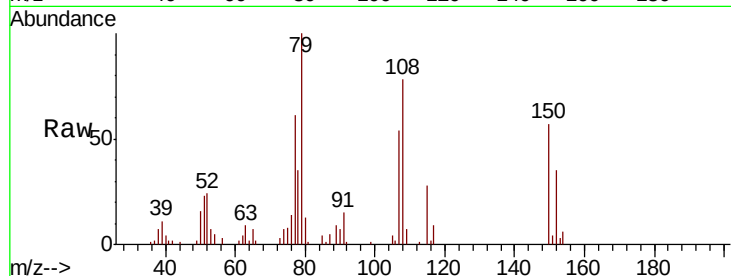
Tgt Ion: 79 Resp: 48890

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

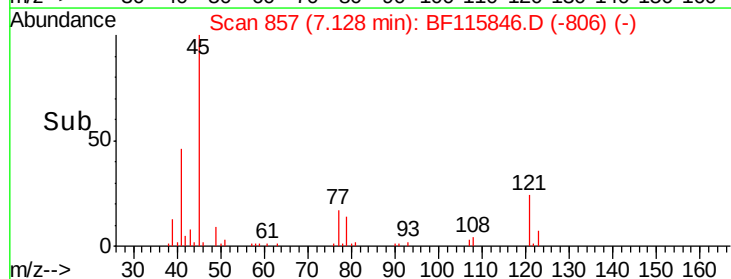
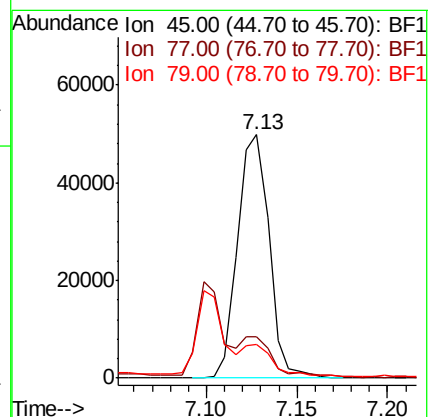
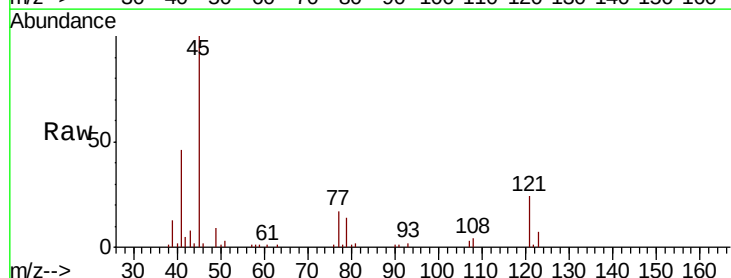
Tgt Ion: 45 Resp: 60623

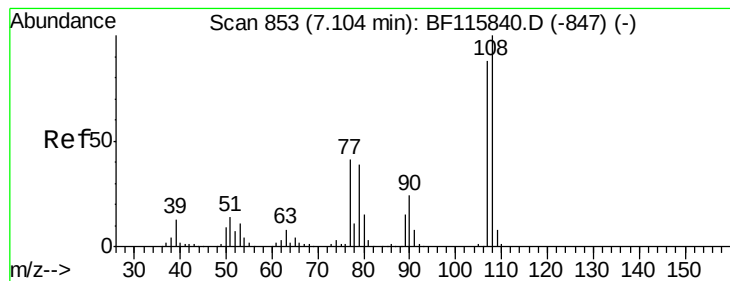
Ion Ratio Lower Upper

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

Tgt Ion:107 Resp: 40132

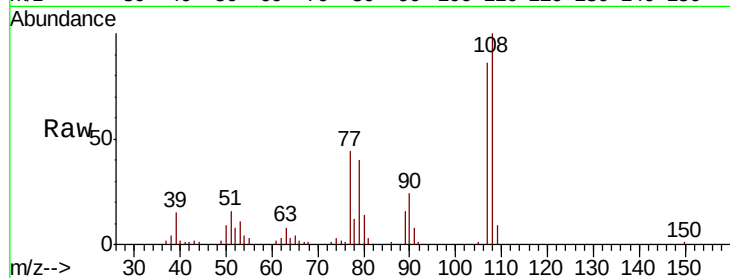
Ion Ratio Lower Upper

107 100

108 116.4 91.4 137.0

77 51.1 37.6 56.4

79 46.5 36.2 54.4

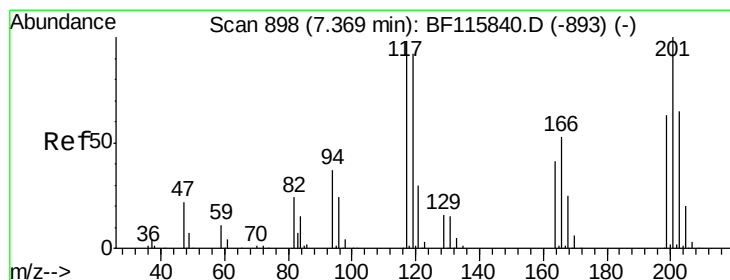
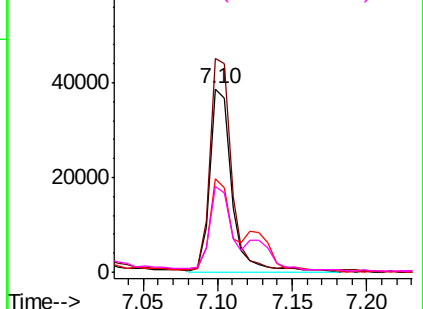
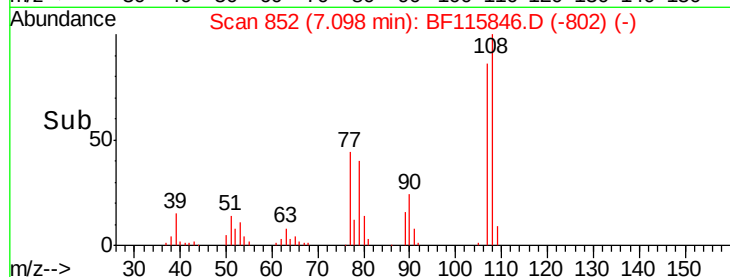


Abundance Ion 107.00 (106.70 to 107.70): E

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

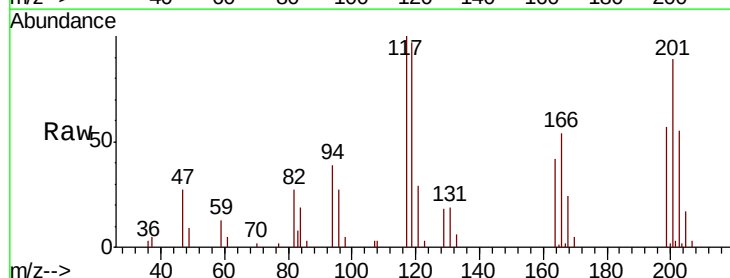
Tgt Ion:117 Resp: 18812

Ion Ratio Lower Upper

117 100

119 97.4 75.8 113.6

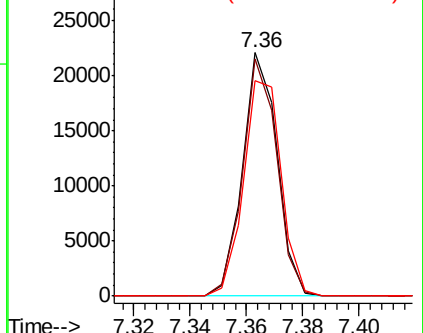
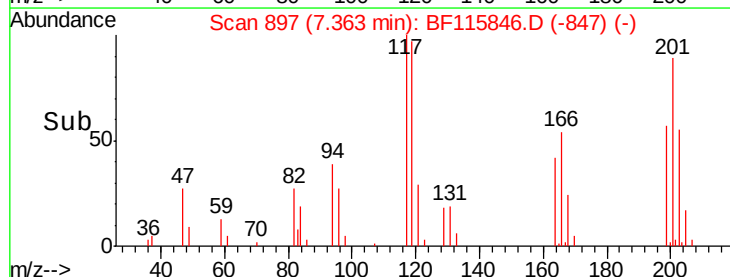
201 91.6 82.0 123.0

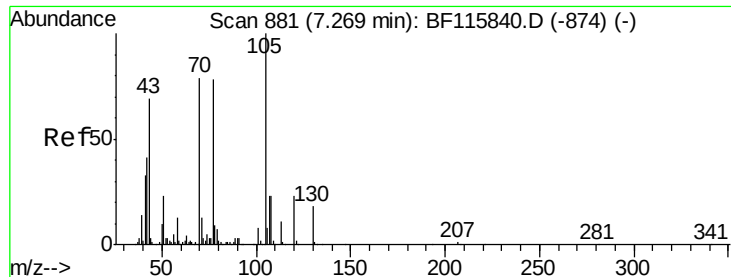


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

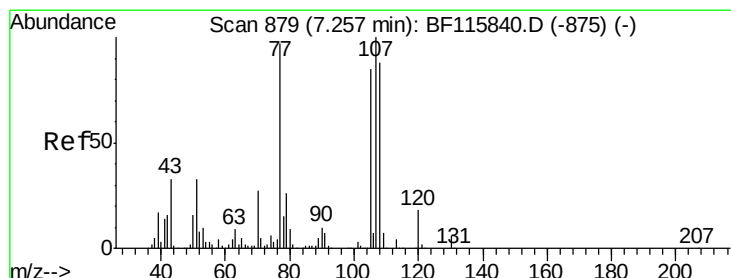
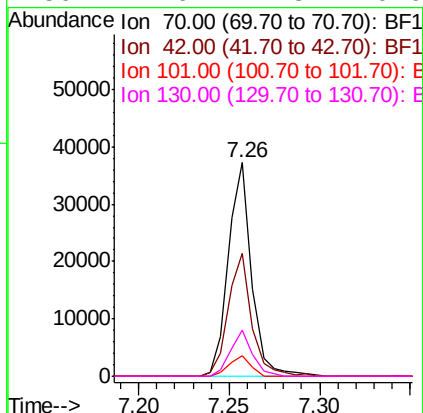
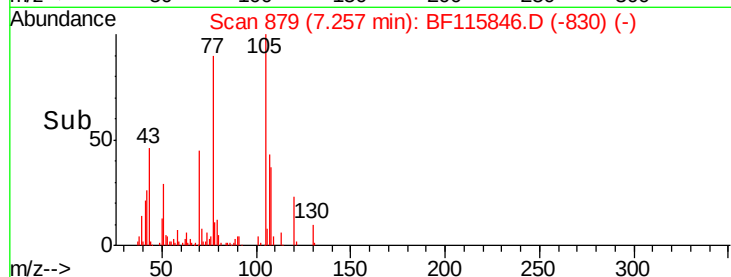
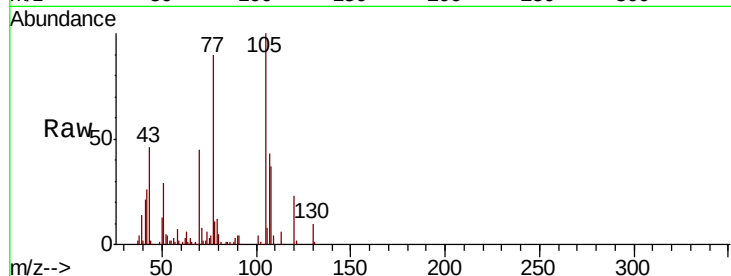




#19
n-Nitroso-di-n-propylamine
Concen: 5.184 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

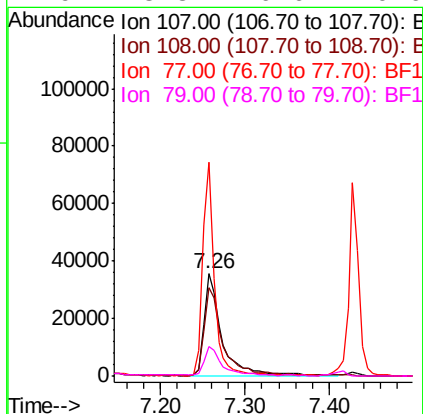
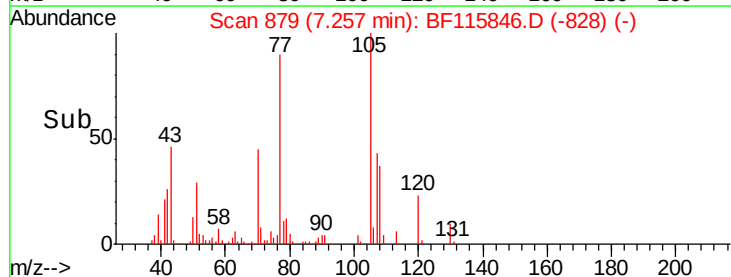
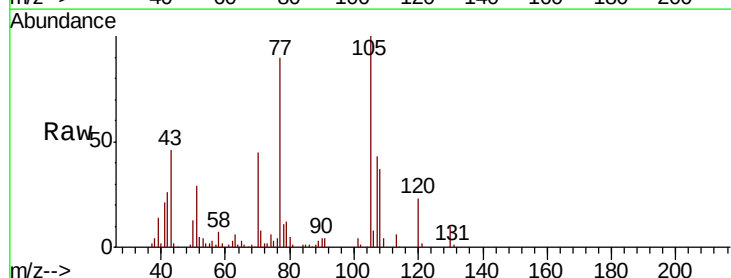
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

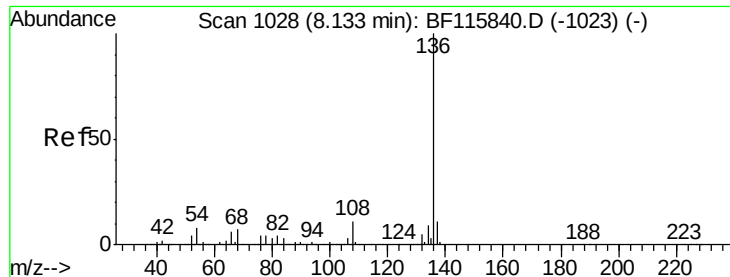
Tgt Ion: 70 Resp: 33274
Ion Ratio Lower Upper
70 100
42 57.6 41.8 62.8
101 9.5 7.7 11.5
130 21.6 17.8 26.6



#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

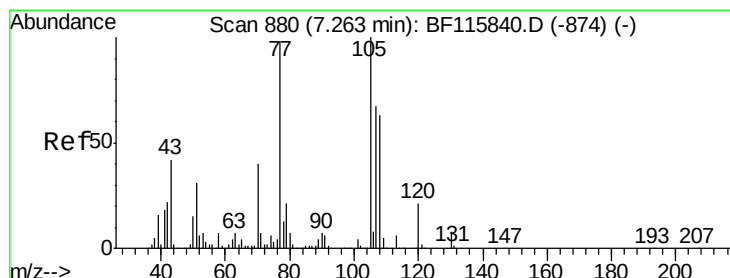
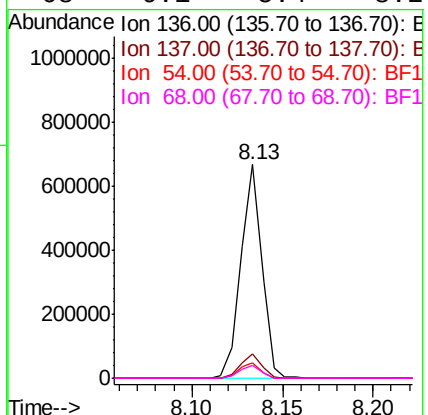
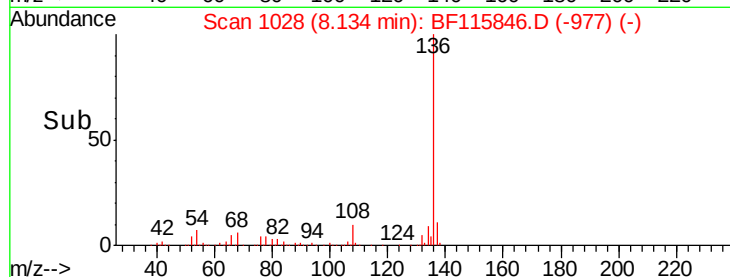
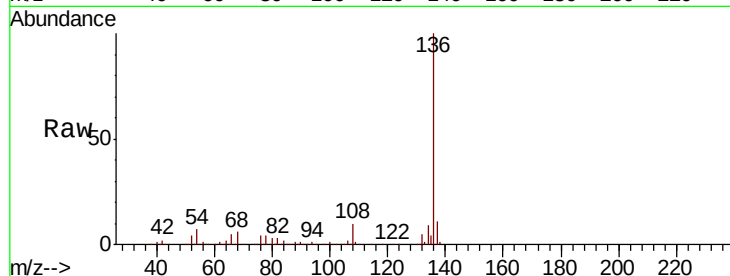




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

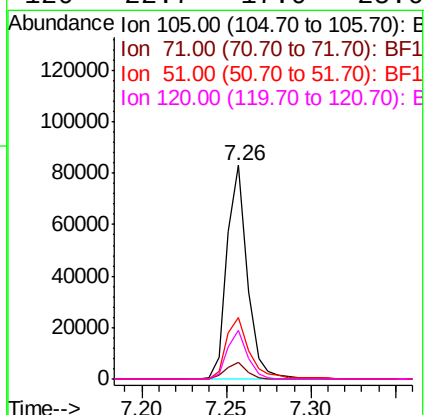
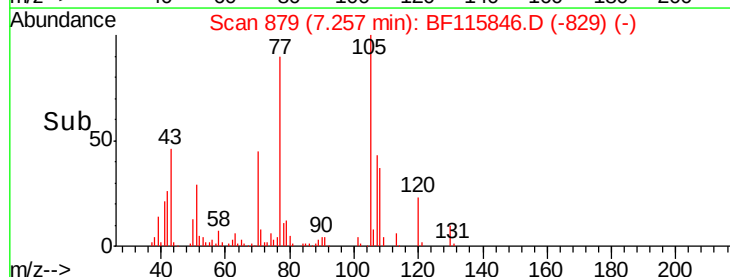
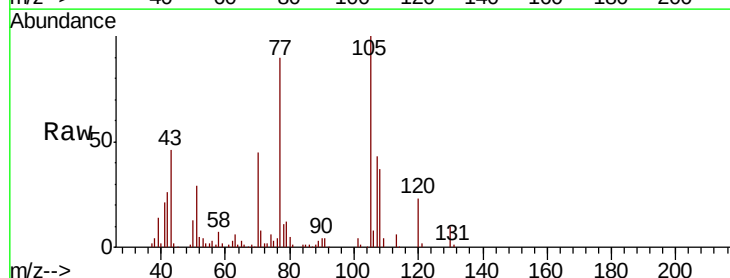
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

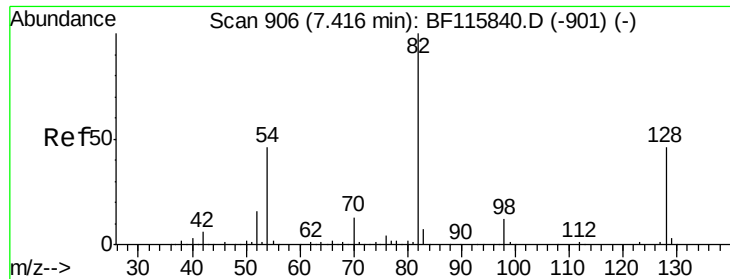
Tgt Ion:	136	Resp:	542425
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.0	6.1	9.1
68	6.1	5.4	8.2



#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

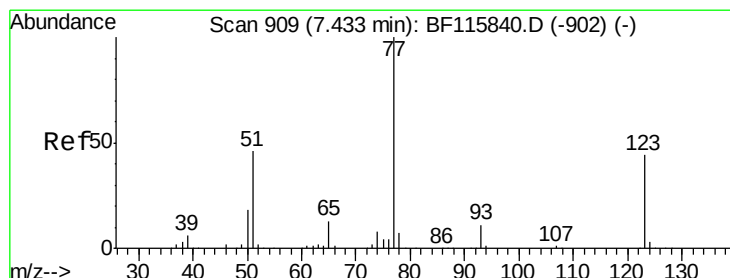
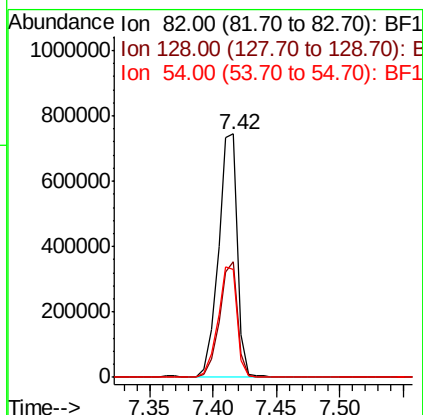
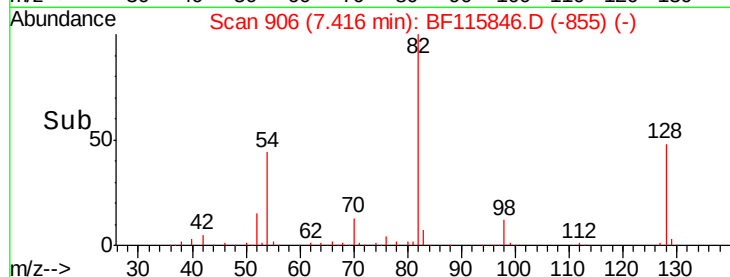
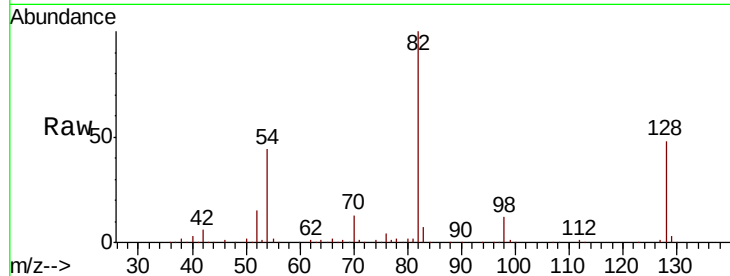




#23
 Nitrobenzene-d5
 Concen: 83.088 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

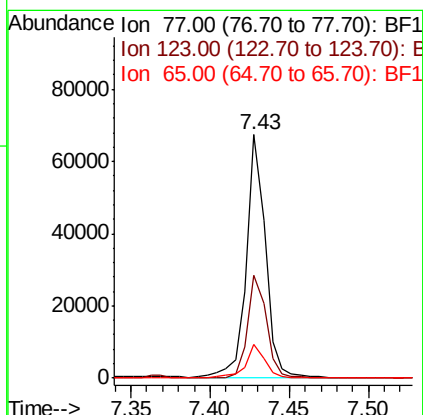
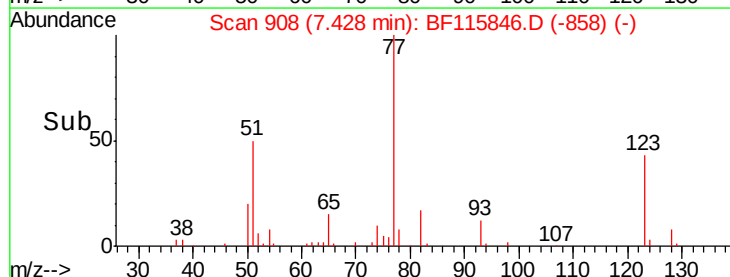
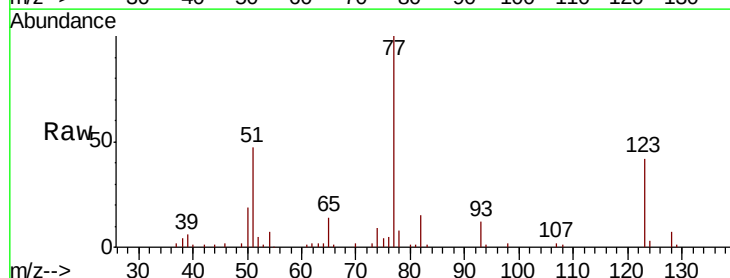
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

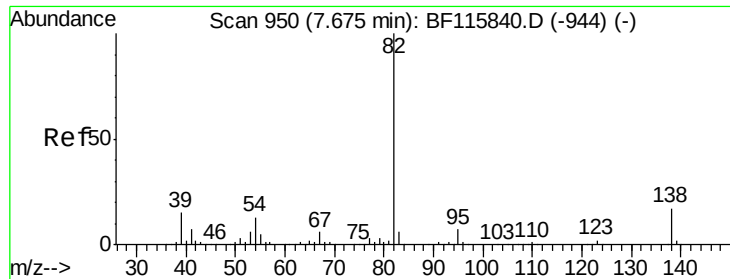
Tgt Ion: 82 Resp: 780784
 Ion Ratio Lower Upper
 82 100
 128 47.7 36.6 55.0
 54 44.4 36.6 55.0



#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





#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

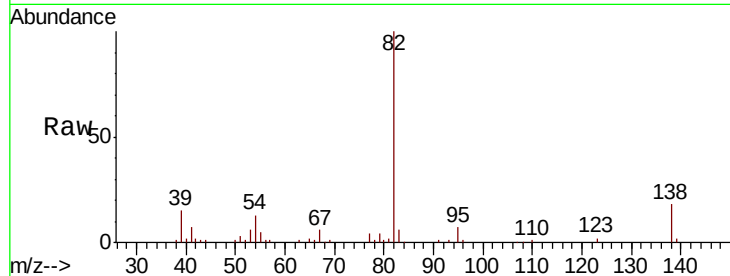
Tgt Ion: 82 Resp: 90225

Ion Ratio Lower Upper

82 100

95 6.7 5.5 8.3

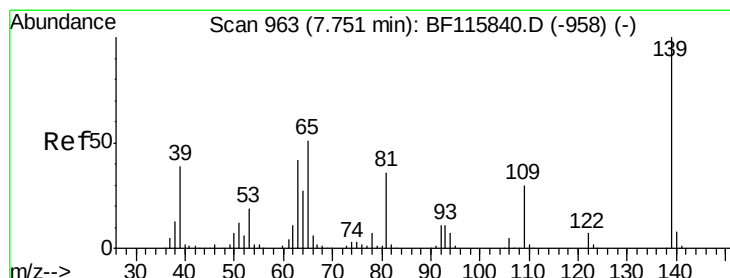
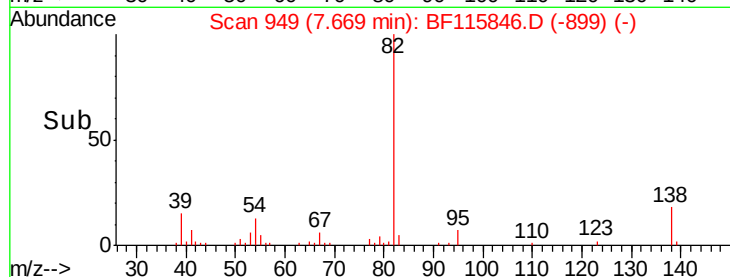
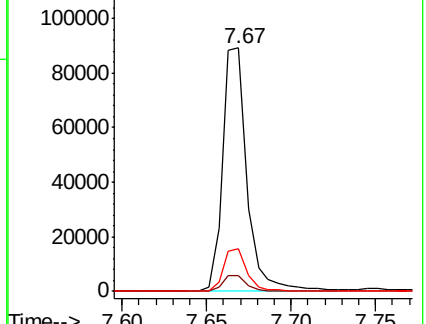
138 17.7 13.9 20.9



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

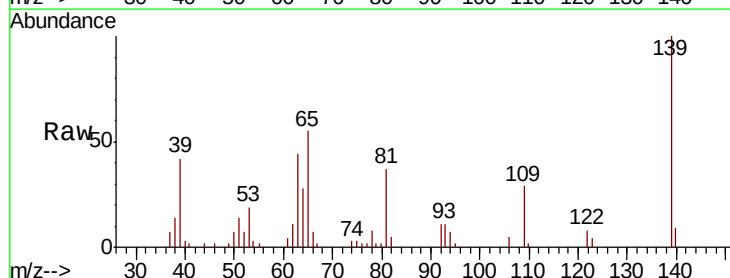
Tgt Ion: 139 Resp: 22010

Ion Ratio Lower Upper

139 100

109 29.3 23.6 35.4

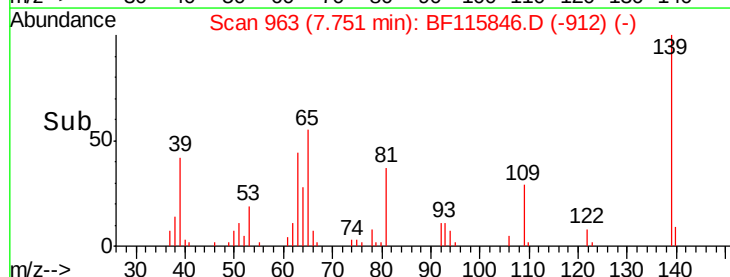
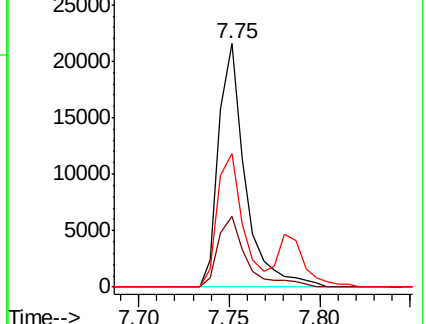
65 54.9 40.6 60.8

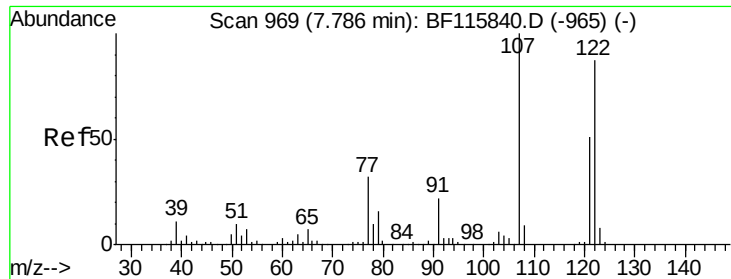


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

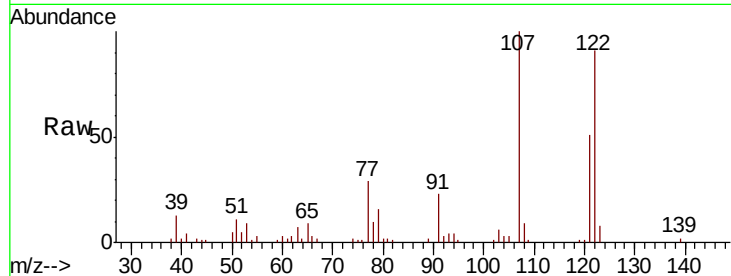




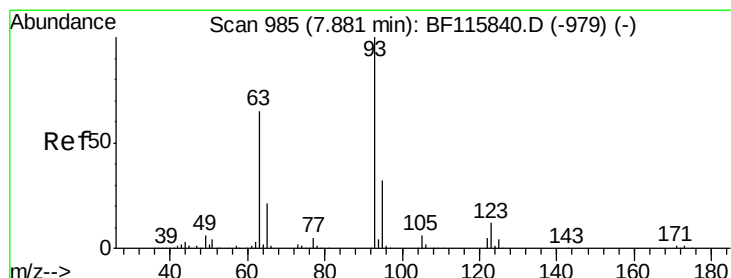
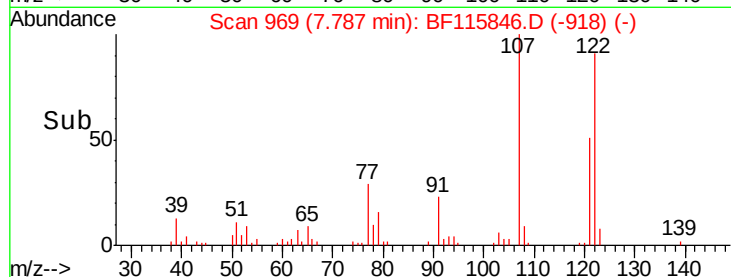
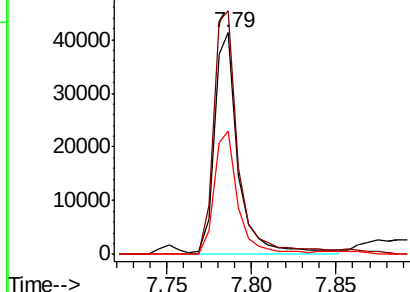
#27
 2,4-Dimethylphenol
 Concen: 5.739 ng
 RT: 7.79 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

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

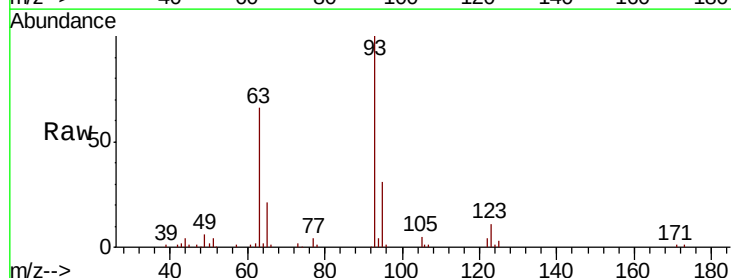


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

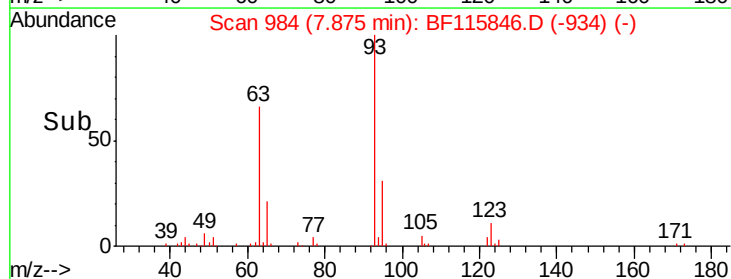
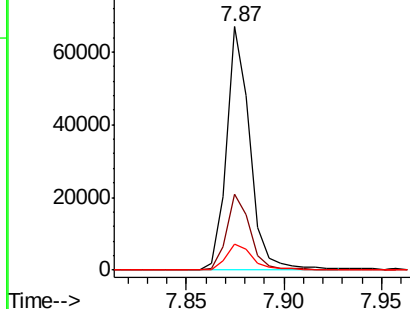


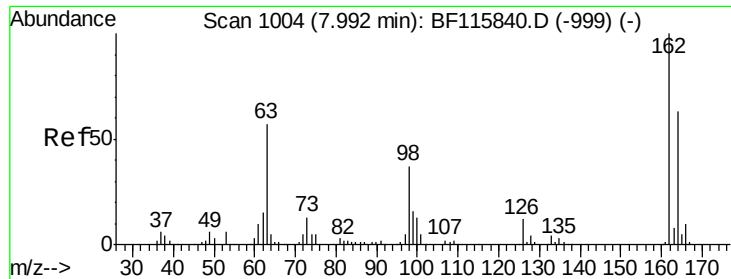
#28
 bis(2-Chloroethoxy)methane
 Concen: 4.985 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

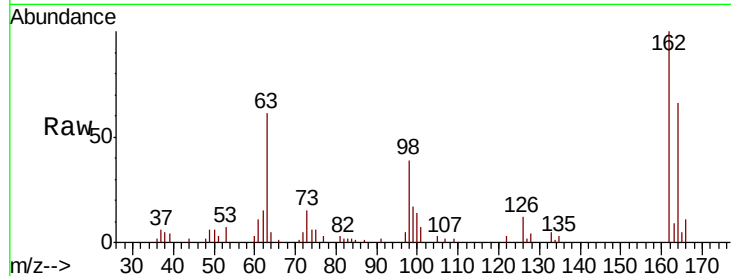




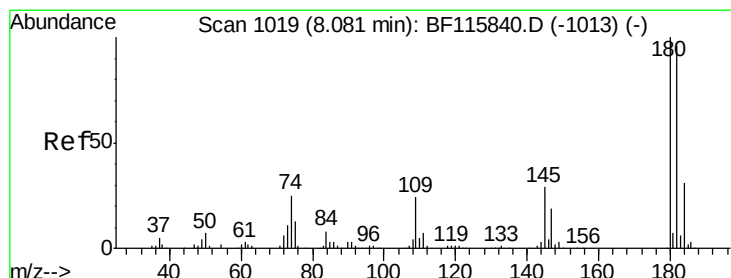
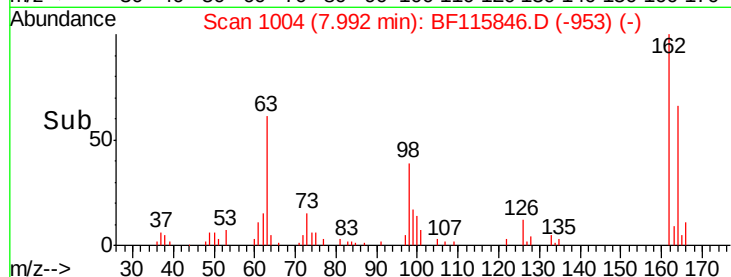
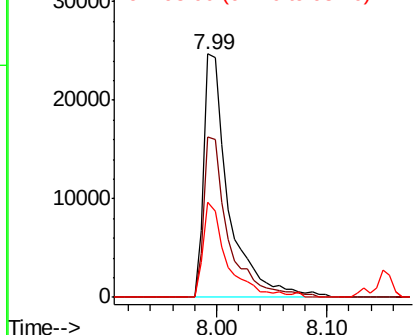
#29
 2,4-Dichlorophenol
 Concen: 4.984 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.8	43.2	83.2
98	39.0	17.3	57.3

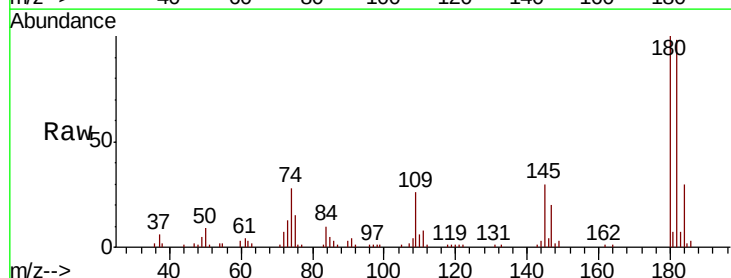


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

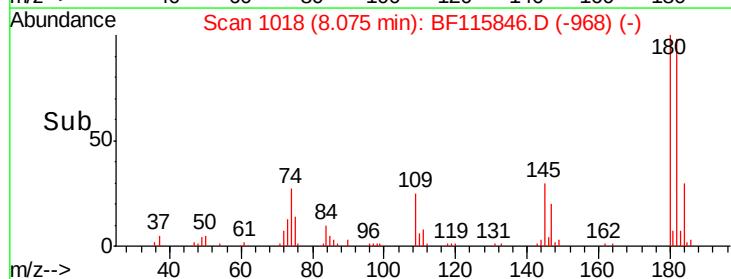
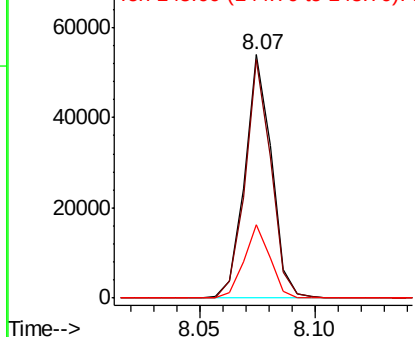


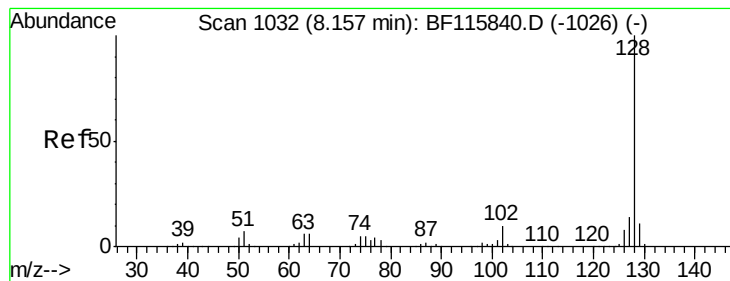
#30
 1,2,4-Trichlorobenzene
 Concen: 5.054 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion	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

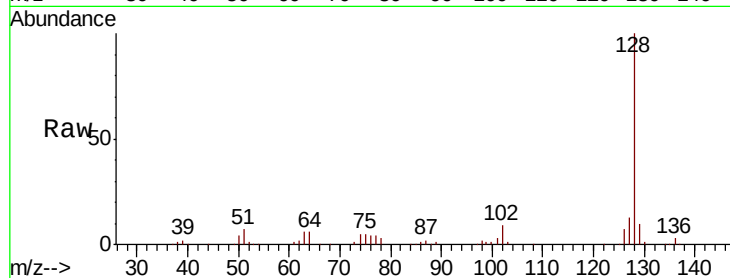
Tgt Ion:128 Resp: 146688

Ion Ratio Lower Upper

128 100

129 10.5 9.2 13.8

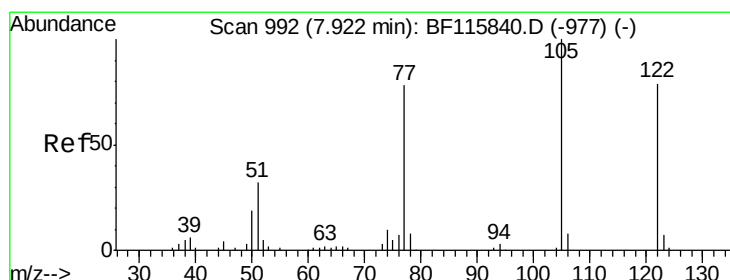
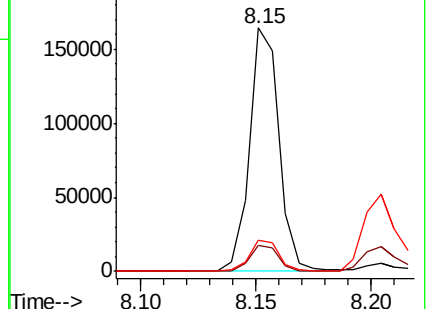
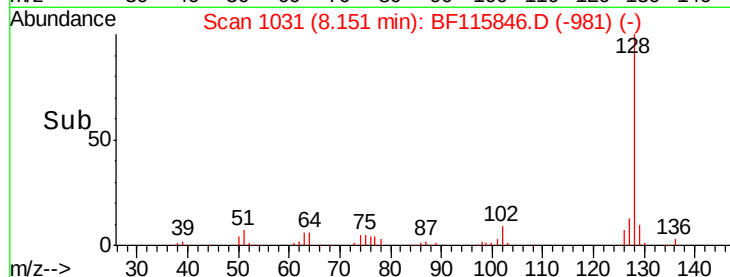
127 13.0 11.0 16.4



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

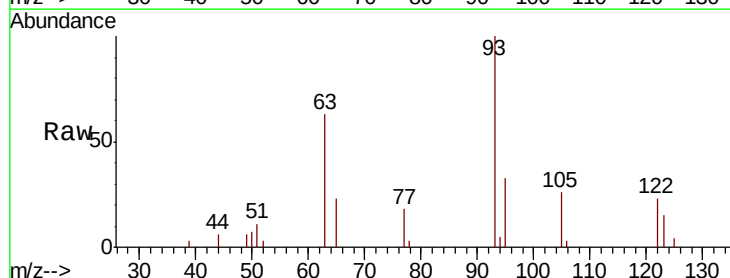
Tgt Ion:122 Resp: 14335

Ion Ratio Lower Upper

122 100

105 112.2 103.1 143.1

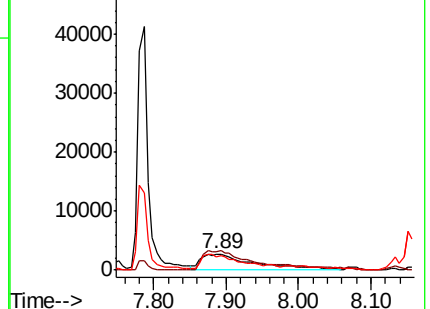
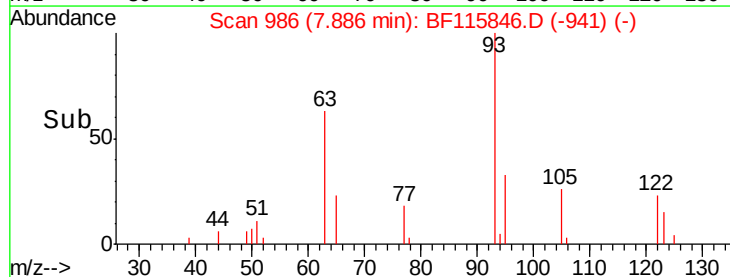
77 78.3 76.8 116.8

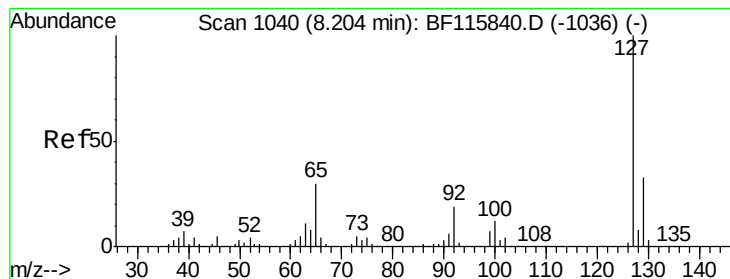


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

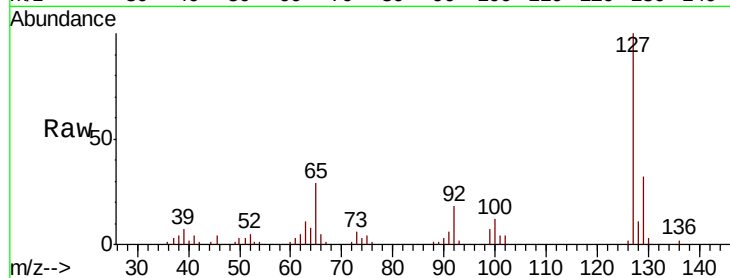




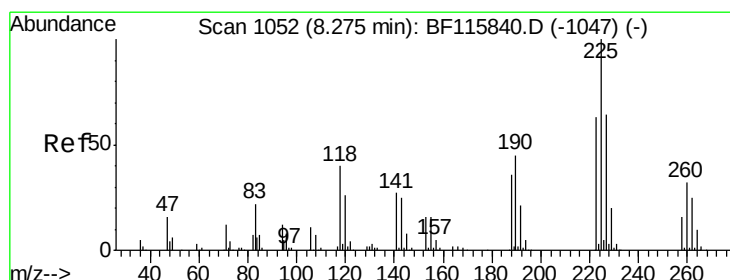
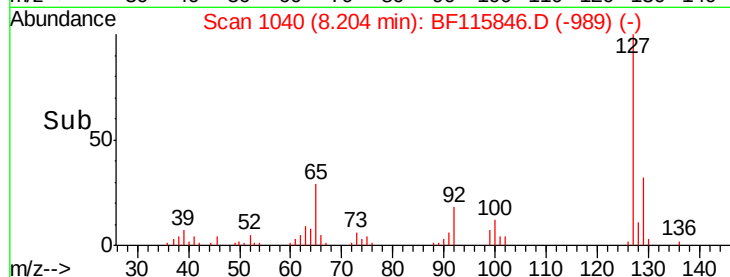
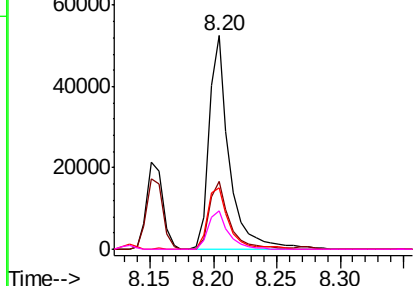
#33
4-Chloroaniline
Concen: 5.163 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

Tgt 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

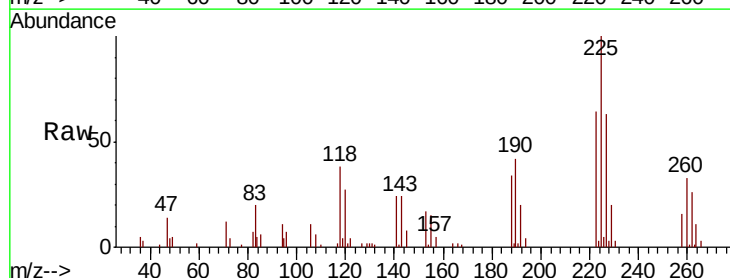


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

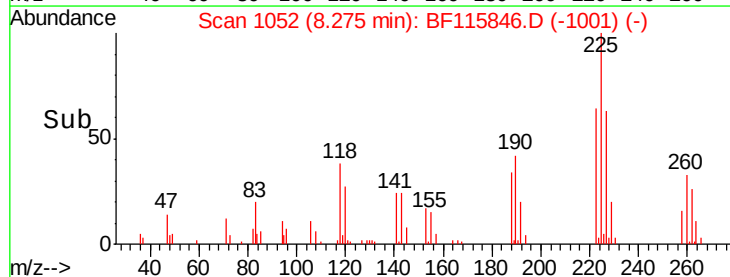
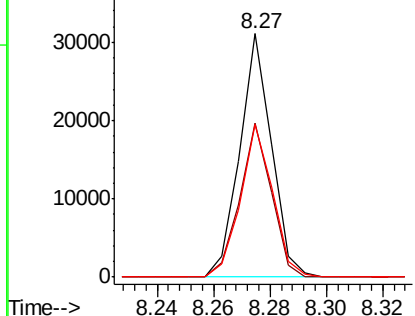


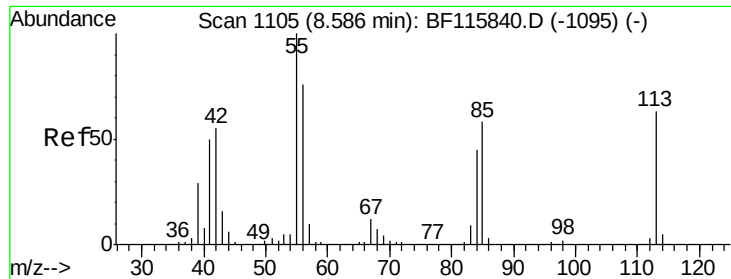
#34
Hexachlorobutadiene
Concen: 4.859 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

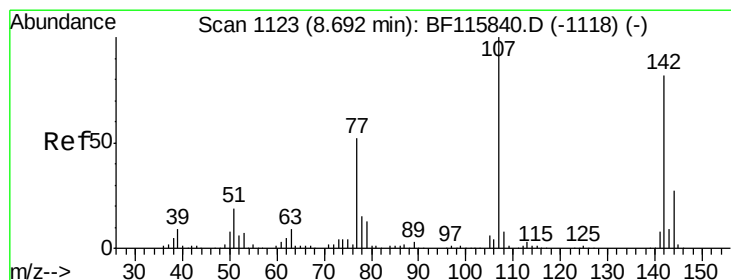
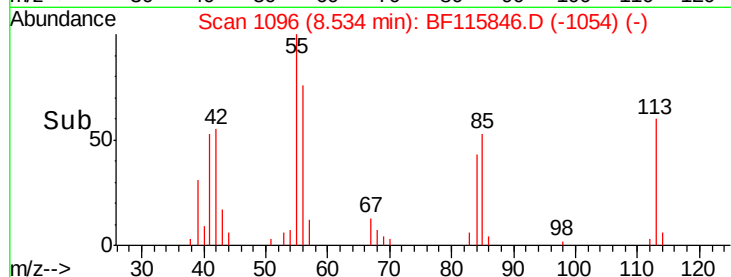
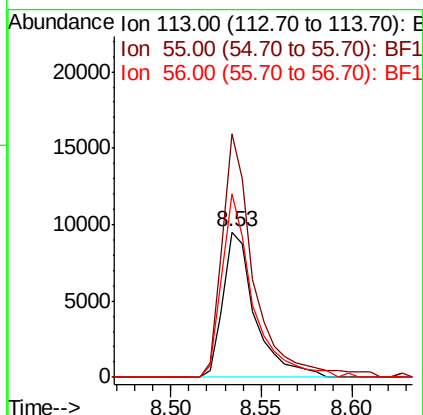
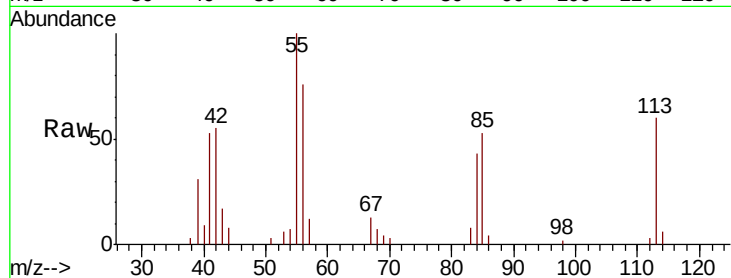




#35
 Caprolactam
 Concen: 4.801 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.05 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

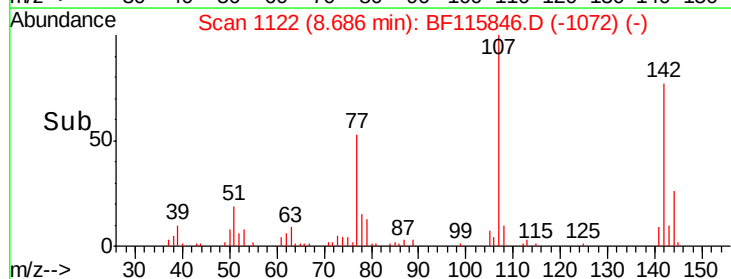
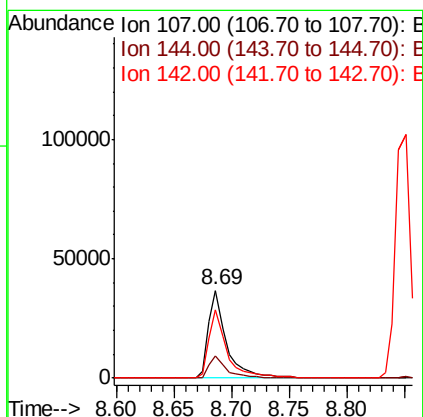
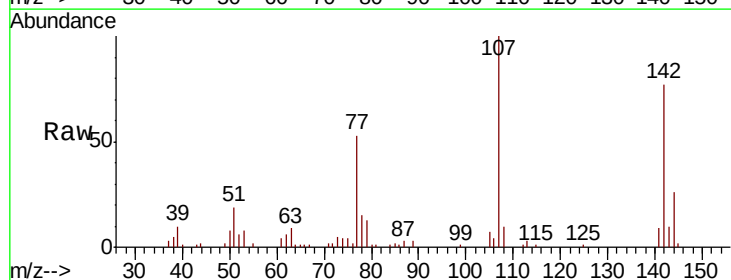
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

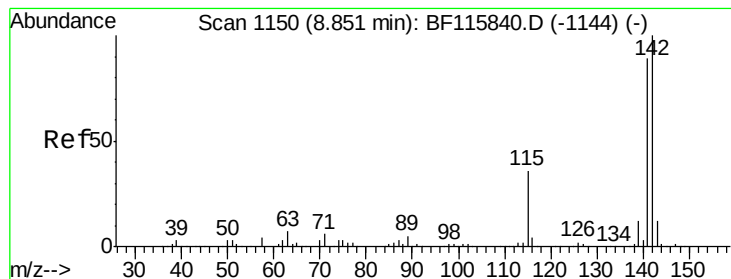
Tgt Ion:113 Resp: 11798
 Ion Ratio Lower Upper
 113 100
 55 167.7 138.1 178.1
 56 126.7 100.6 140.6



#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

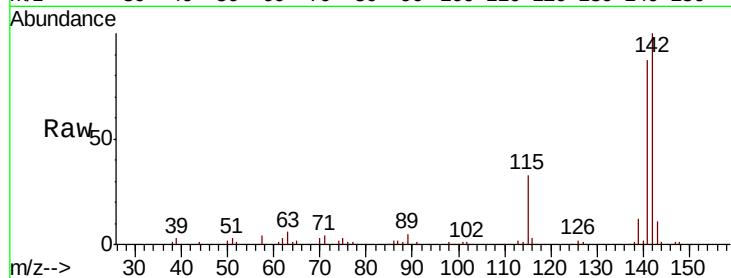
Tgt Ion:142 Resp: 96188

Ion Ratio Lower Upper

142 100

141 86.8 71.4 107.2

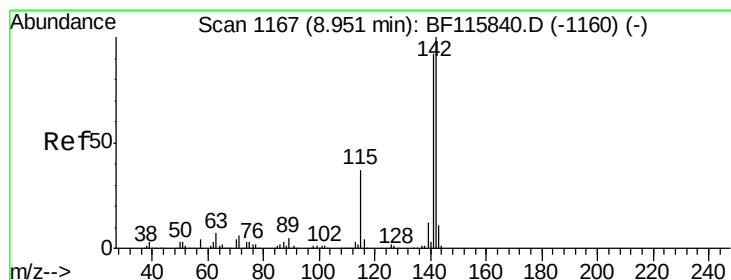
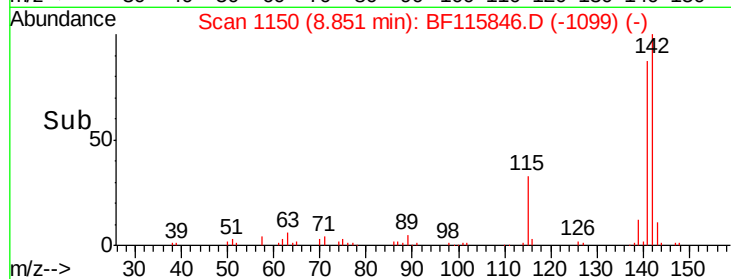
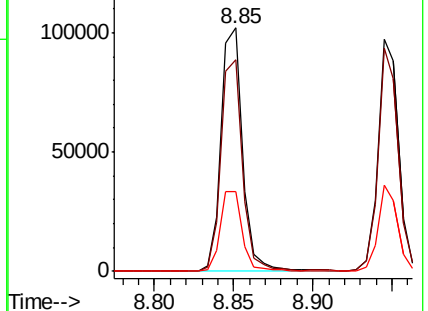
115 32.8 28.9 43.3



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

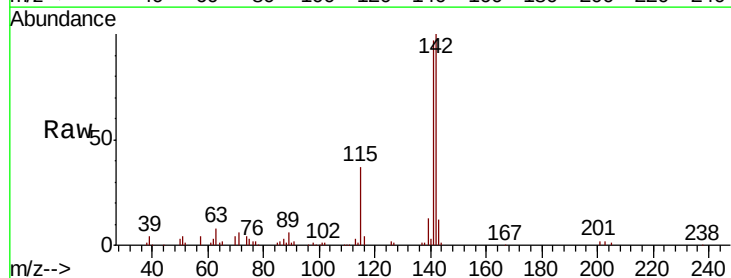
Tgt Ion:142 Resp: 88332

Ion Ratio Lower Upper

142 100

141 96.6 73.8 110.6

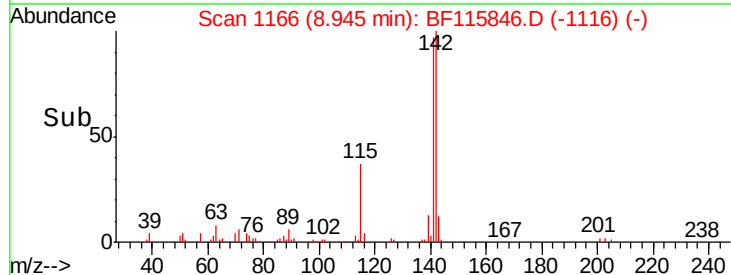
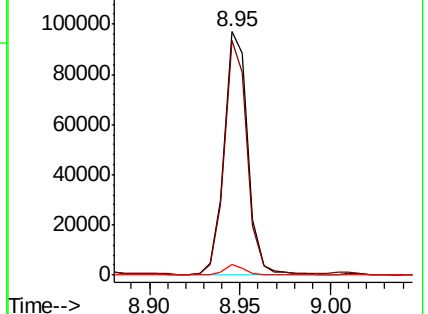
116 4.2 3.1 4.7

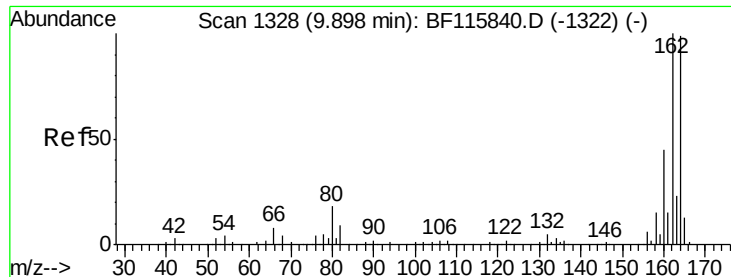


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

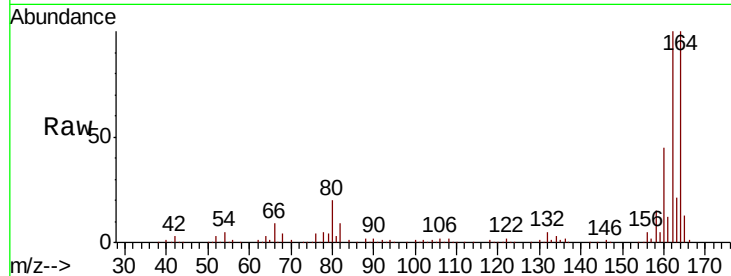




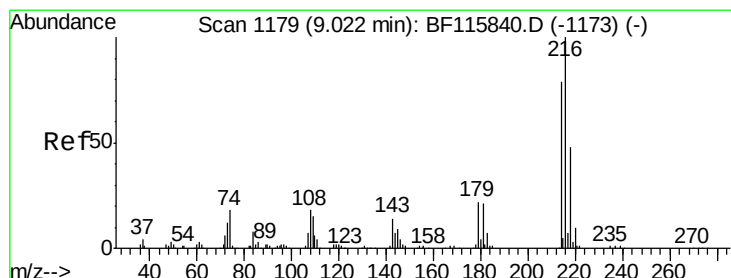
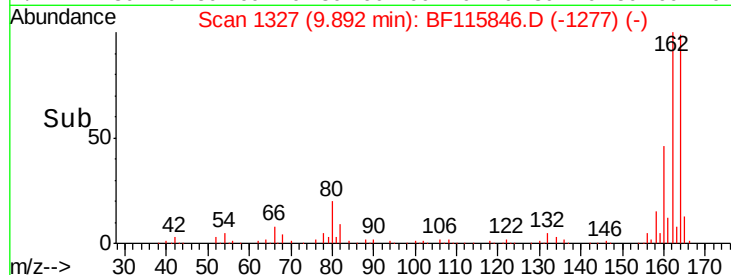
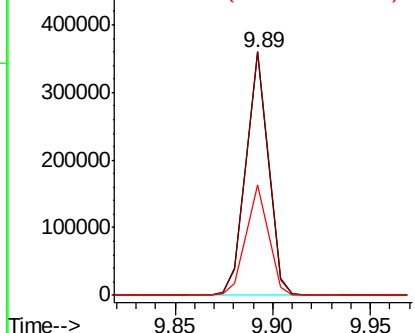
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

Tgt Ion:164 Resp: 289215
Ion Ratio Lower Upper
164 100
162 99.8 80.8 121.2
160 45.5 36.2 54.4

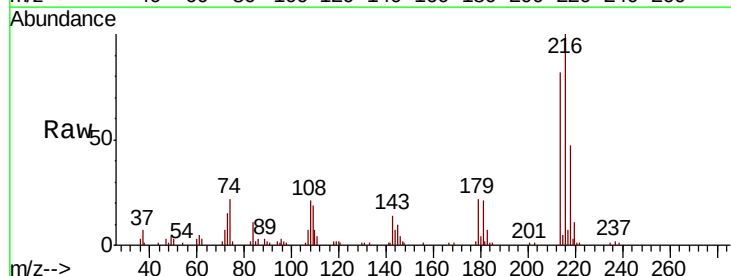


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

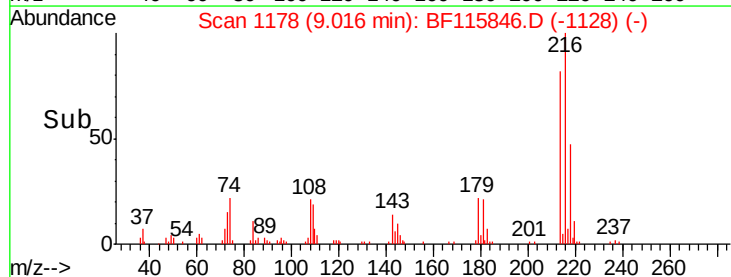
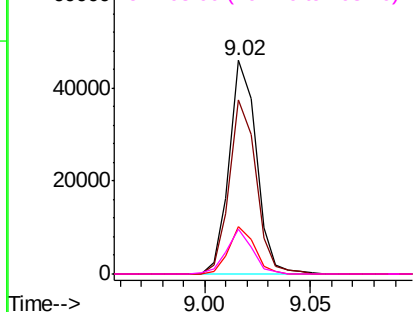


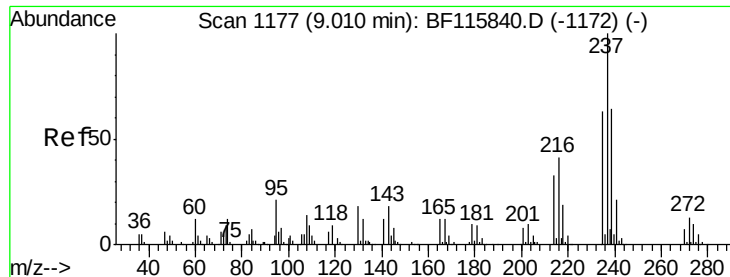
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.280 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

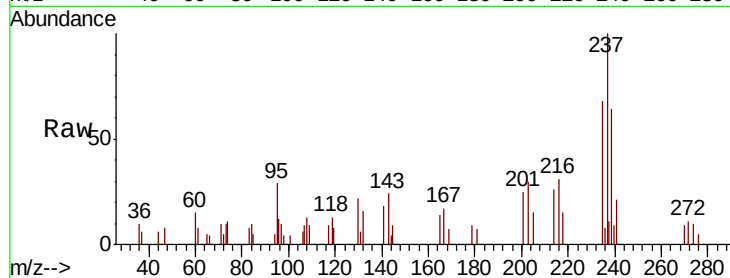




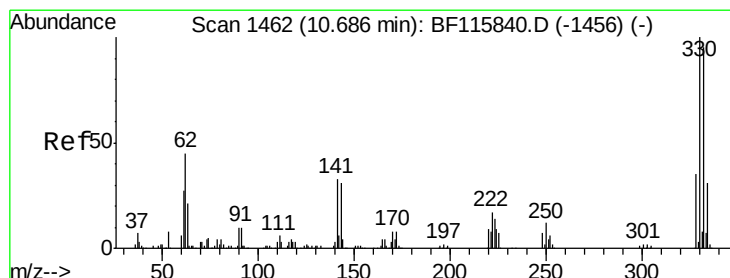
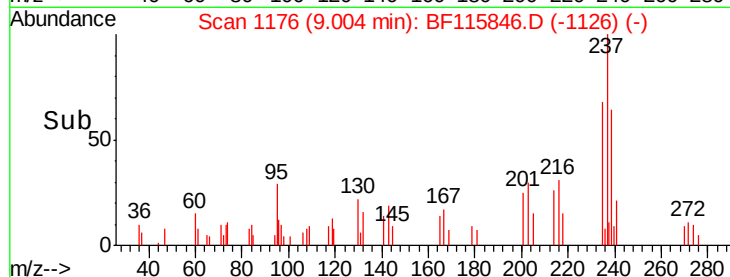
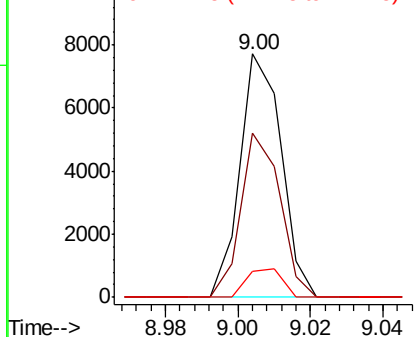
#41
Hexachlorocyclopentadiene
Concen: 2.011 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

Tgt Ion: 237 Resp: 6077
Ion Ratio Lower Upper
237 100
235 67.6 42.5 82.5
272 10.9 0.0 33.3

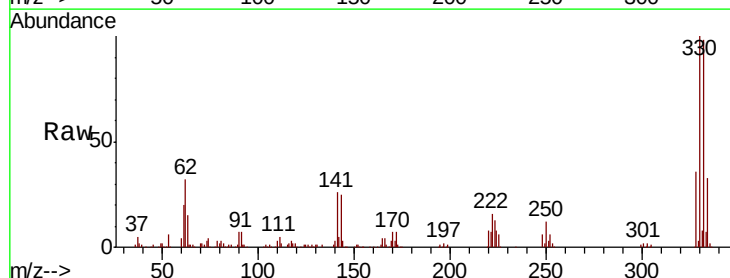


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

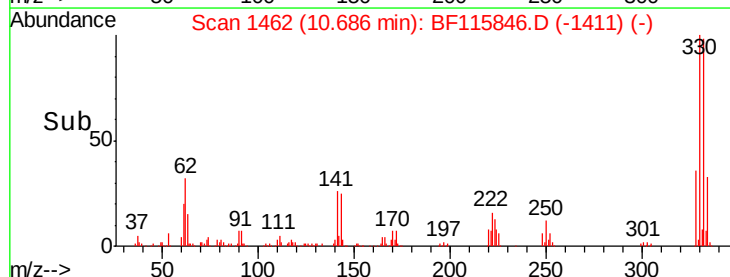
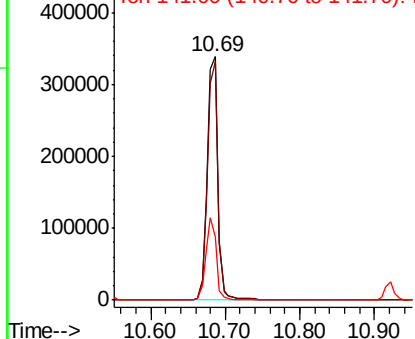


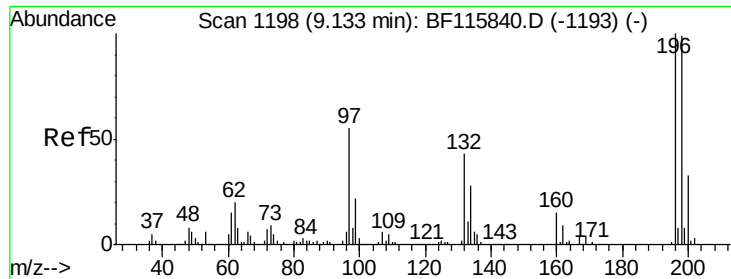
#42
2,4,6-Tribromophenol
Concen: 120.389 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

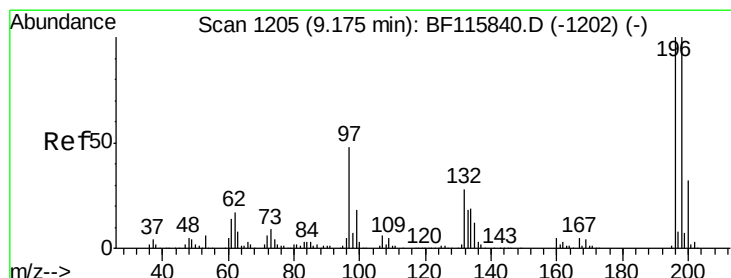
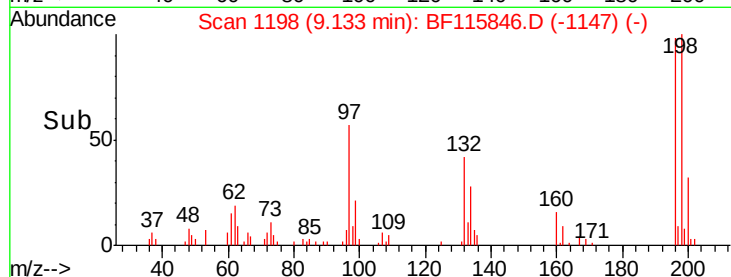
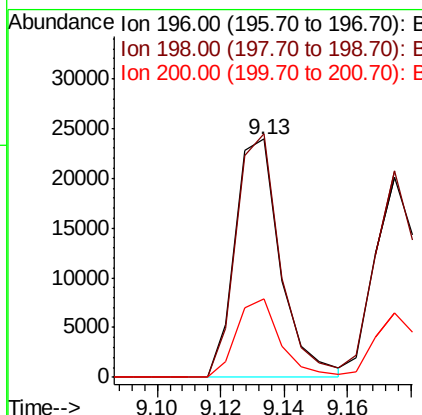
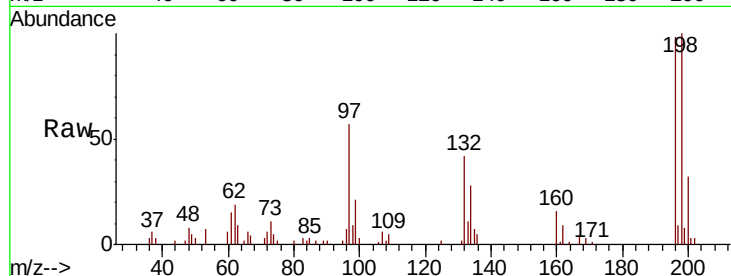




#43
 2,4,6-Trichlorophenol
 Concen: 4.459 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

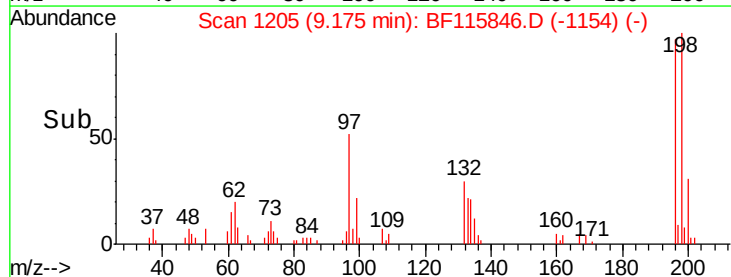
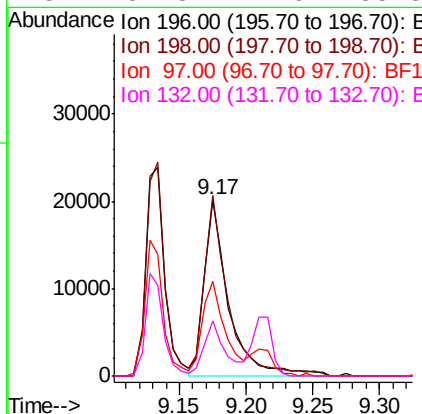
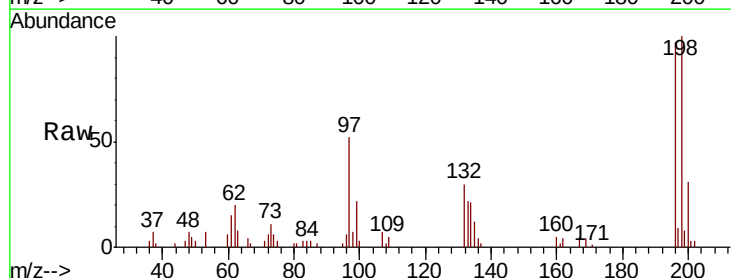
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

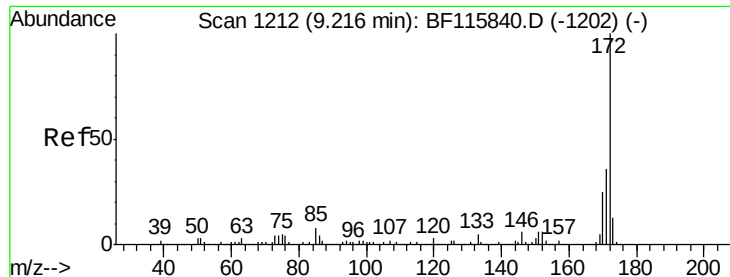
Tgt Ion:196 Resp: 23730
 Ion Ratio Lower Upper
 196 100
 198 102.1 79.1 118.7
 200 32.7 26.0 39.0



#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

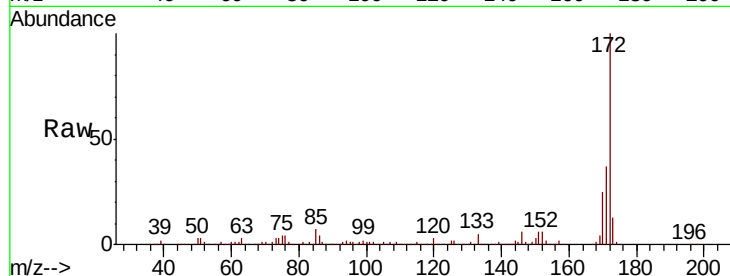




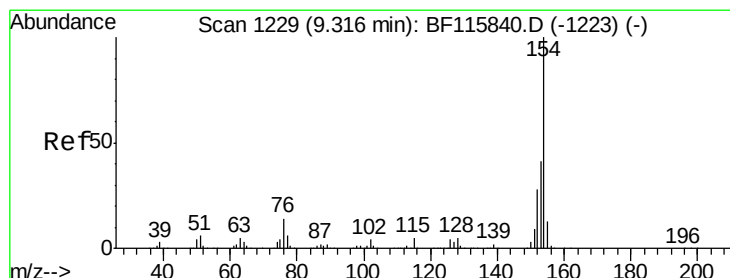
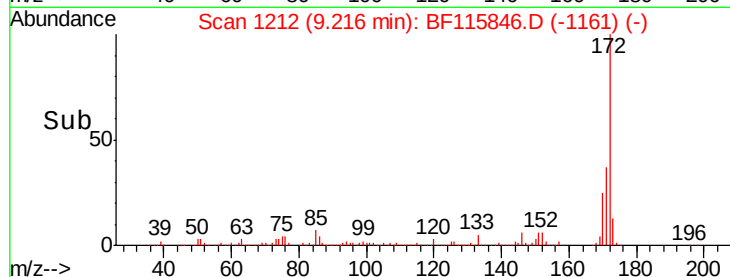
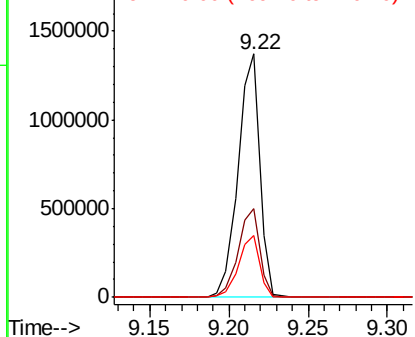
#45
2-Fluorobiphenyl
Concen: 84.188 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

Tgt Ion:172 Resp: 1299920
Ion Ratio Lower Upper
172 100
171 36.6 29.1 43.7
170 25.2 20.1 30.1

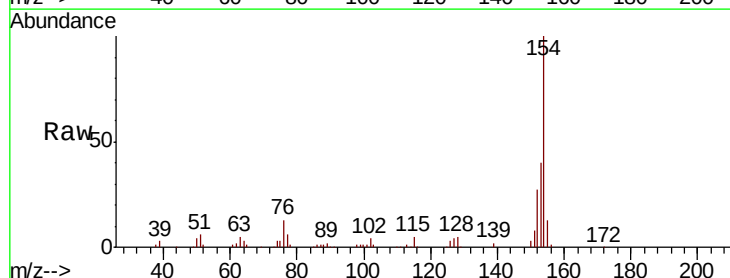


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

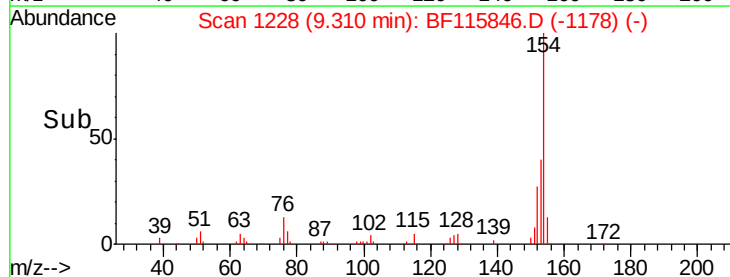
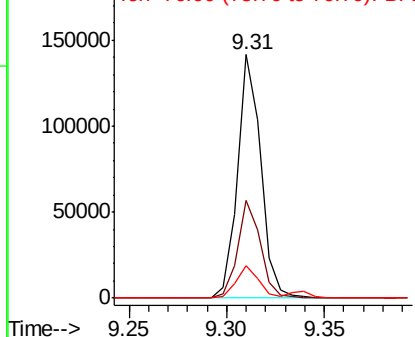


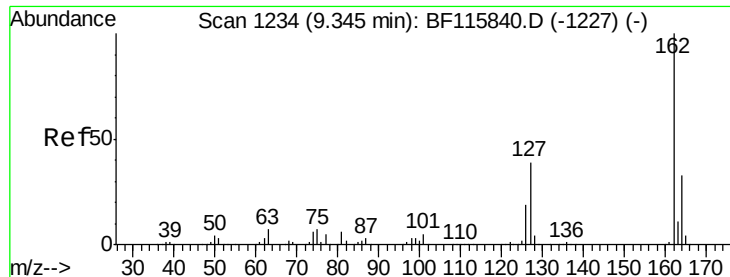
#46
1,1'-Biphenyl
Concen: 5.742 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

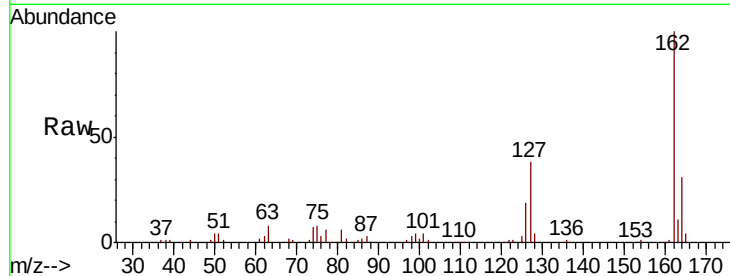




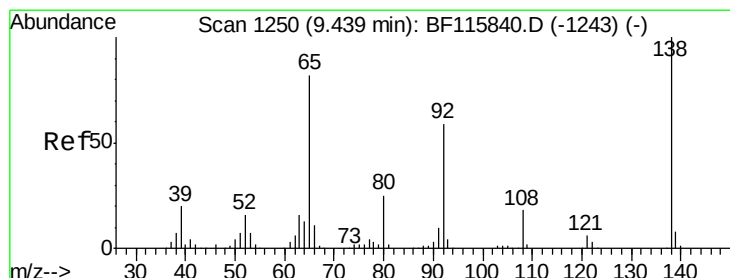
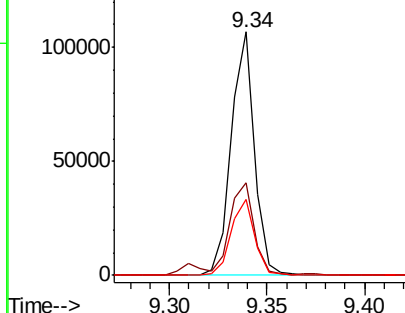
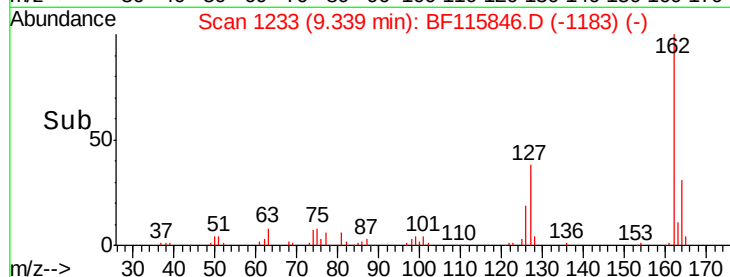
#47
 2-Chloronaphthalene
 Concen: 5.179 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.2	31.3	46.9
164	31.4	26.6	40.0

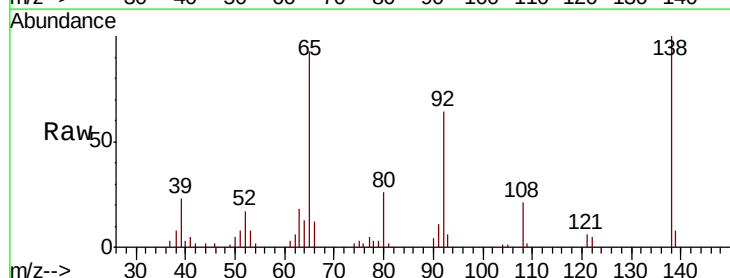


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

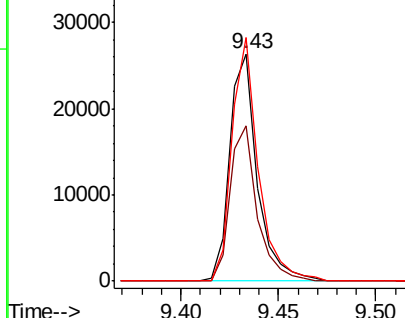
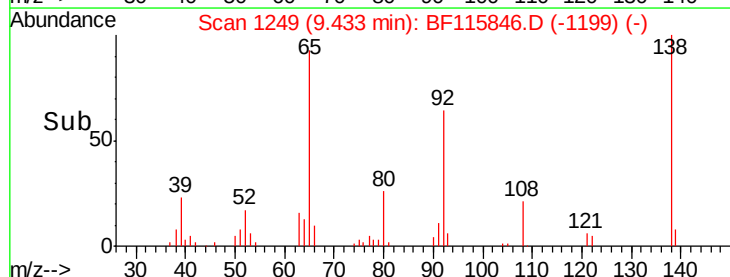


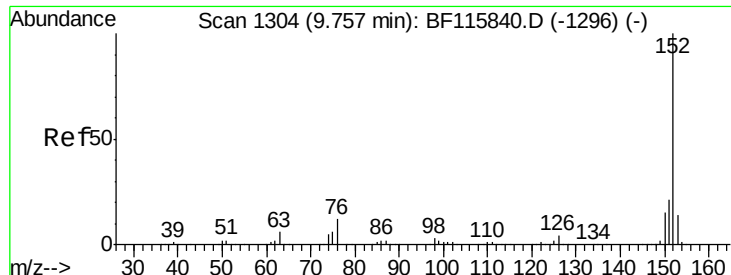
#48
 2-Nitroaniline
 Concen: 4.608 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

Tgt Ion	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

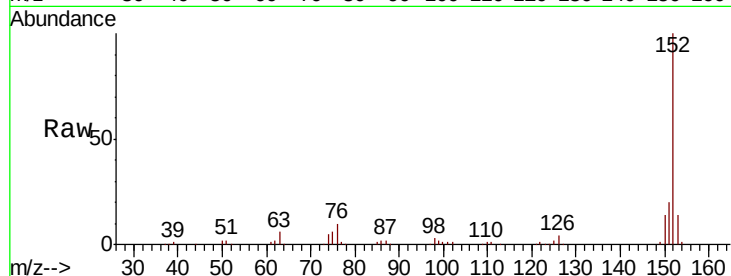
Tgt Ion:152 Resp: 138716

Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

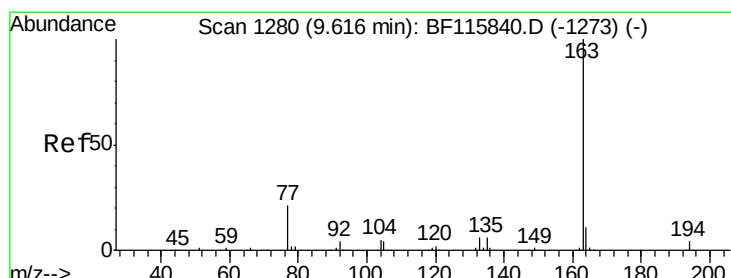
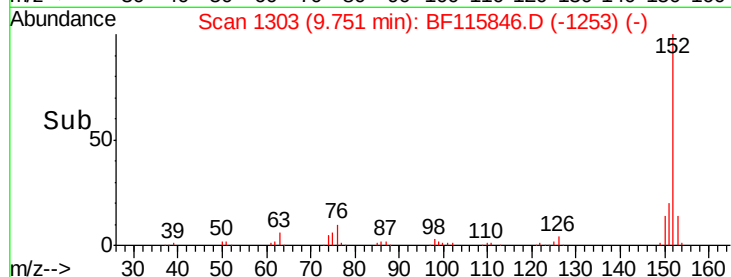
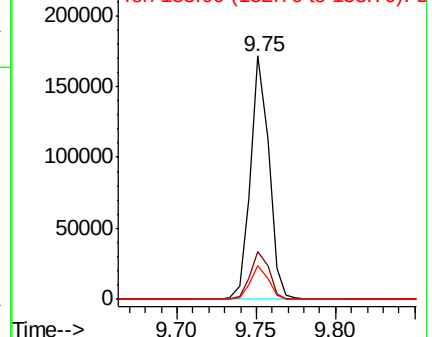
153 13.9 11.6 17.4



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

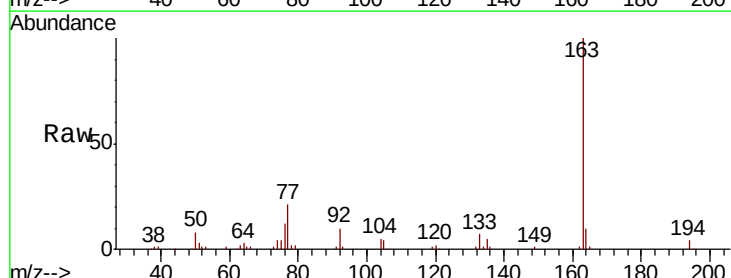
Tgt Ion:163 Resp: 96921

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

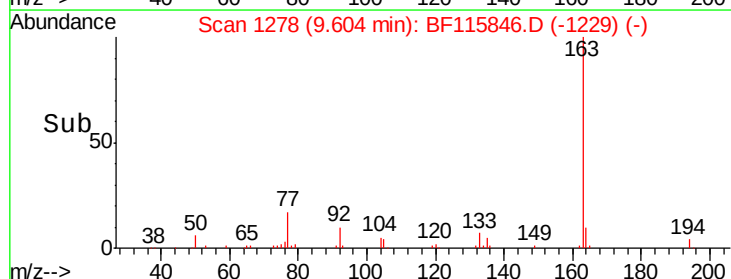
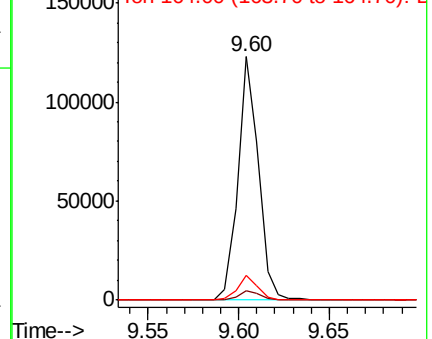
164 10.3 8.4 12.6

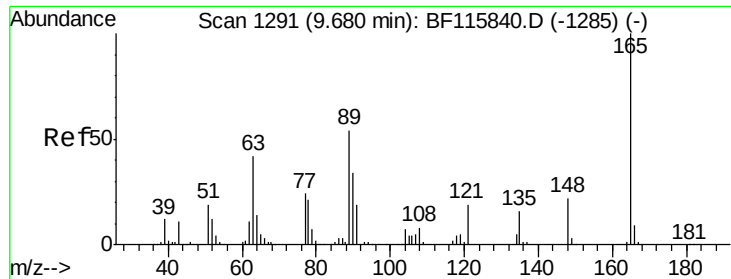


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

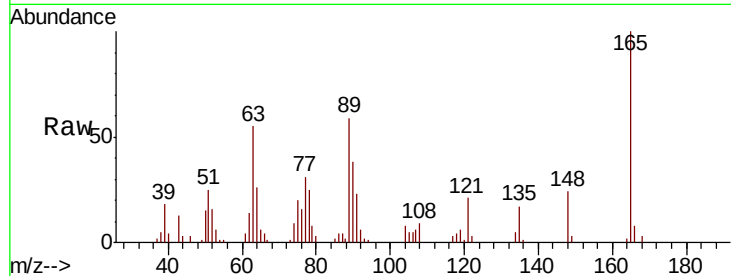




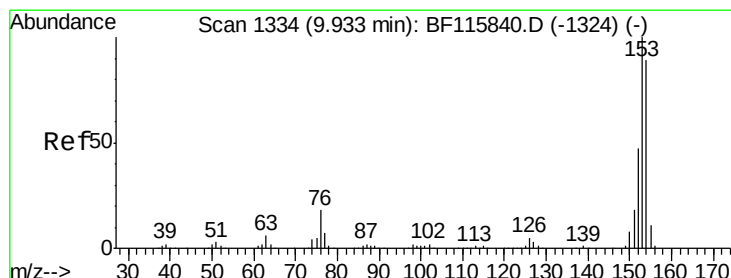
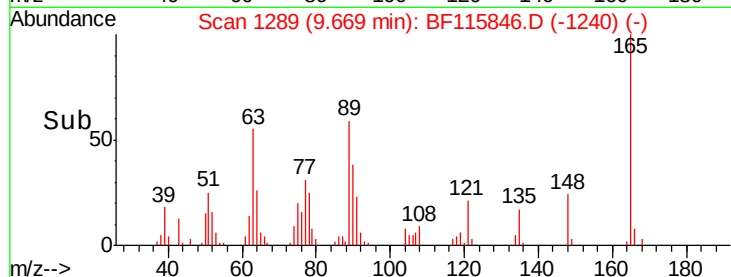
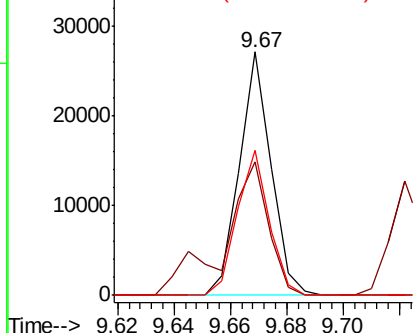
#51
2,6-Dinitrotoluene
Concen: 4.927 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

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

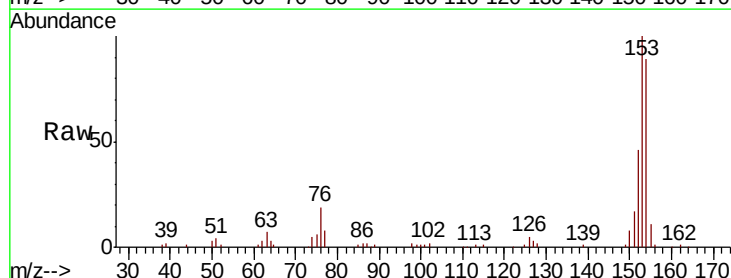


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

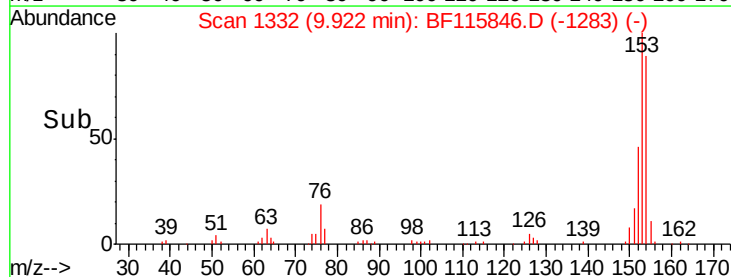
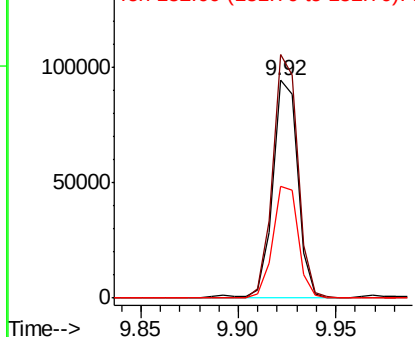


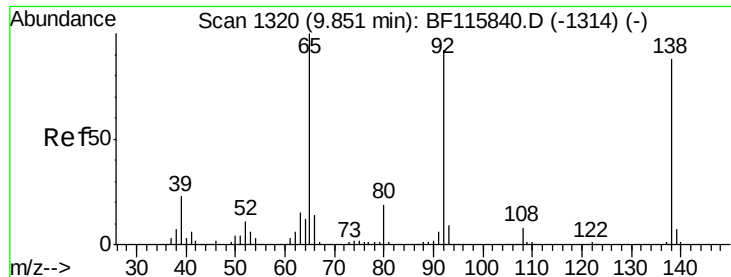
#52
Acenaphthene
Concen: 5.567 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

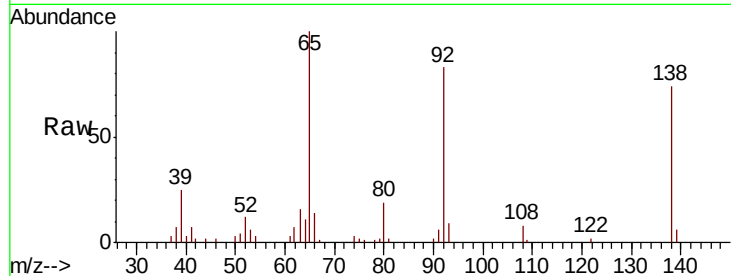




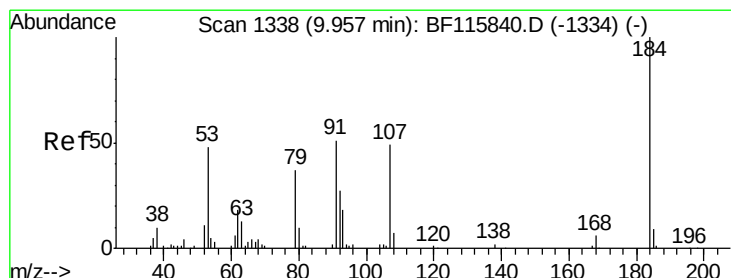
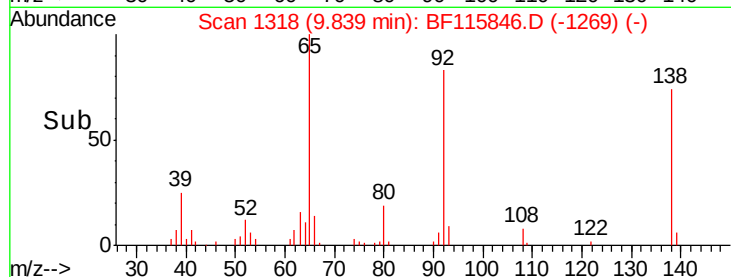
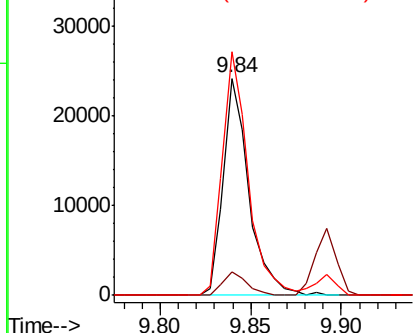
#53
3-Nitroaniline
Concen: 4.510 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

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

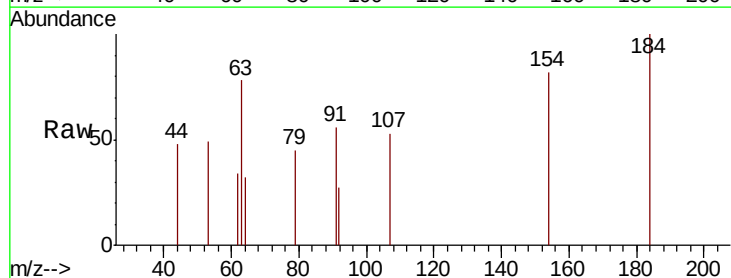


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

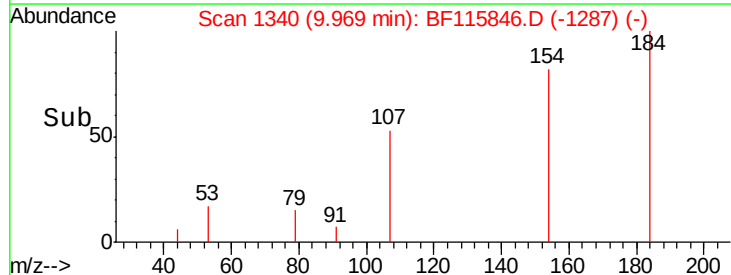
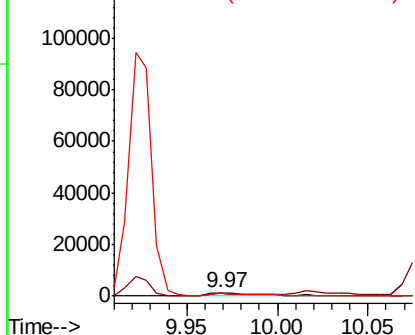


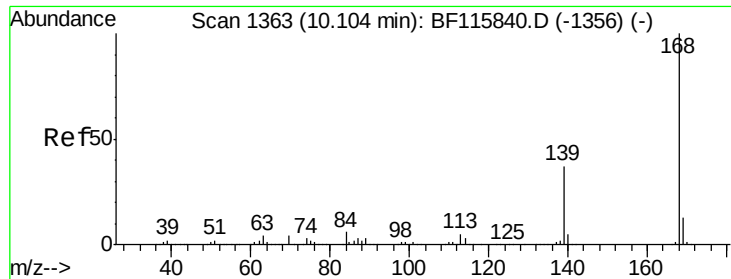
#54
2,4-Dinitrophenol
Concen: 1.496 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

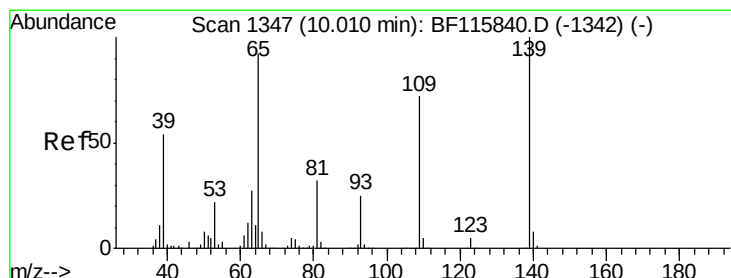
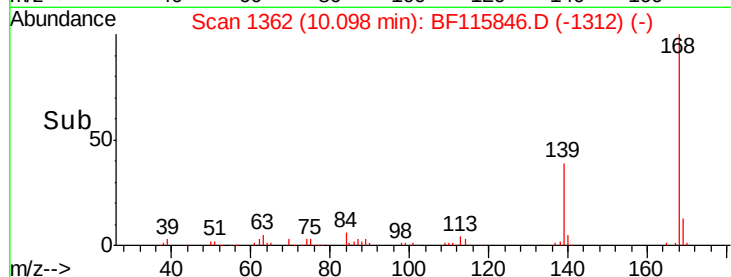
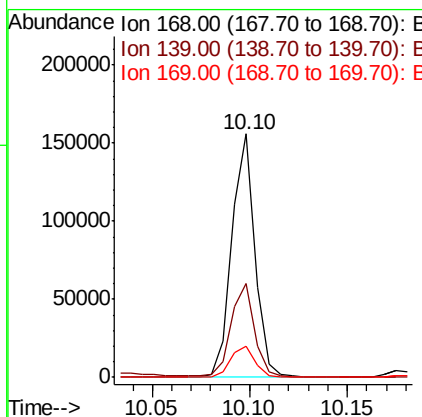
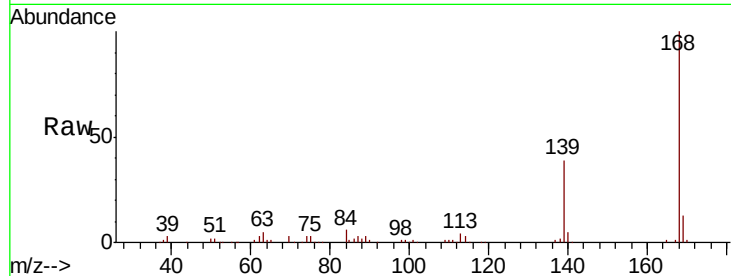




#55
Dibenzenofuran
Concen: 5.761 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

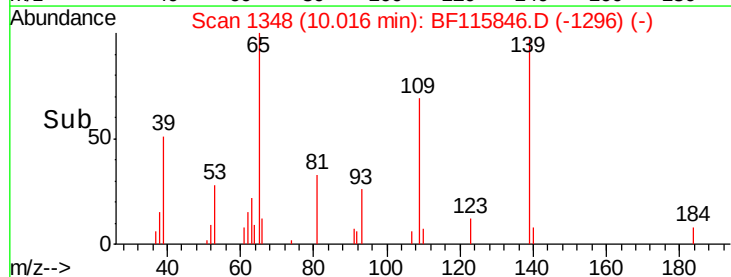
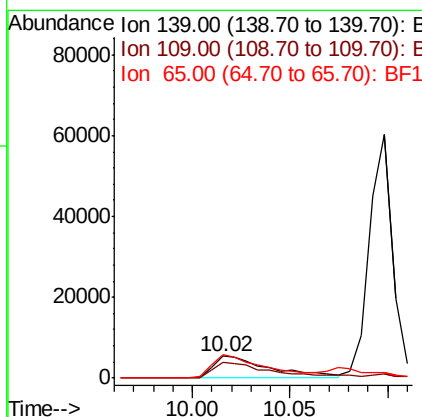
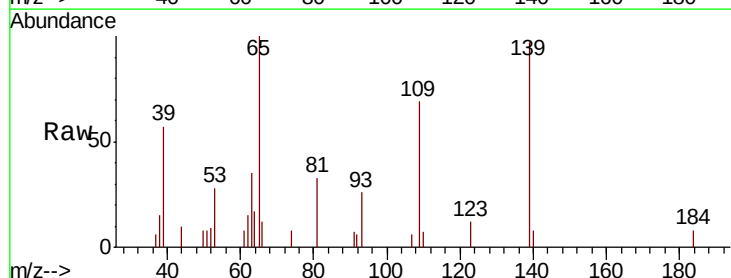
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

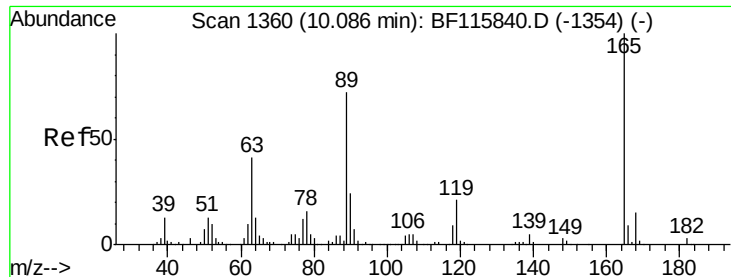
Tgt Ion:168 Resp: 127434
Ion Ratio Lower Upper
168 100
139 38.6 30.2 45.2
169 12.8 10.8 16.2



#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

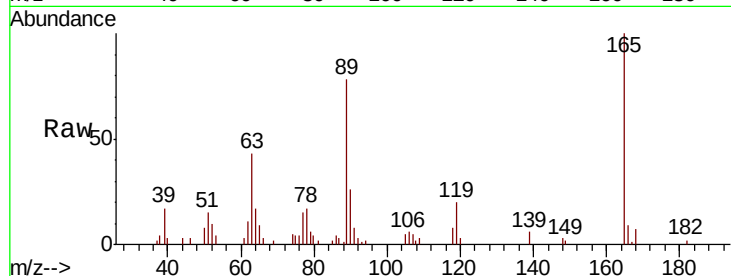




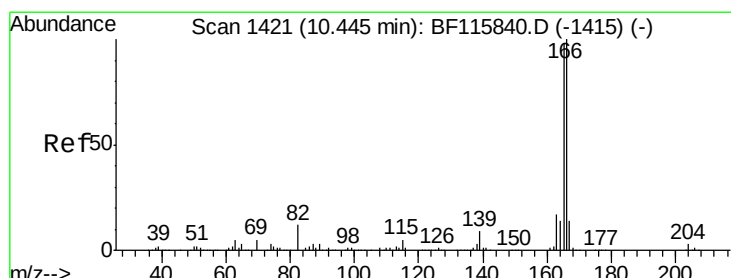
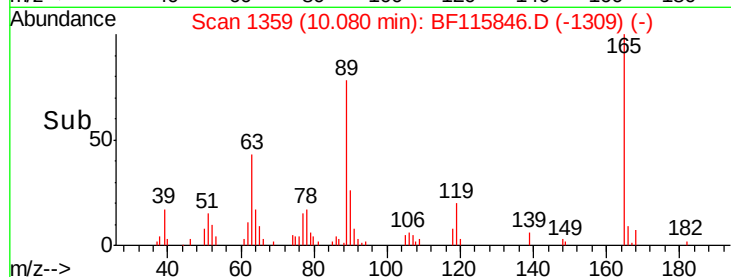
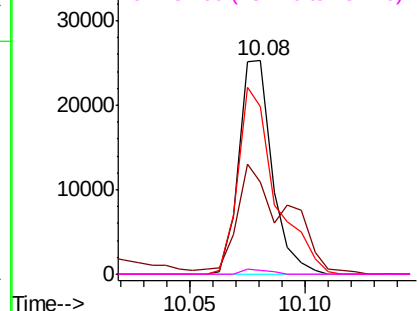
#57
2,4-Dinitrotoluene
Concen: 4.478 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

Tgt 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#

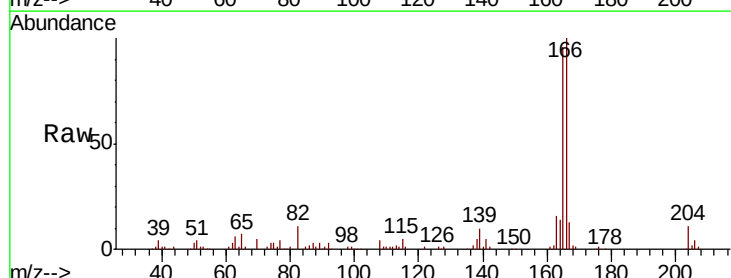


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

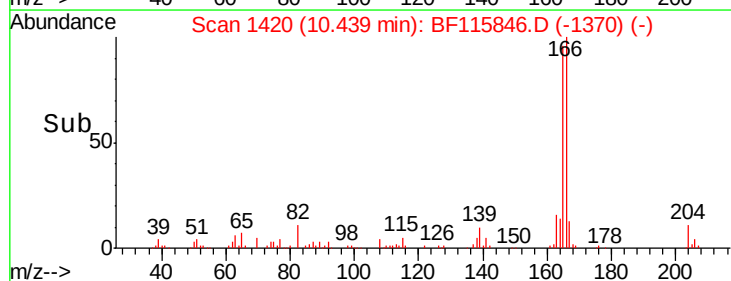
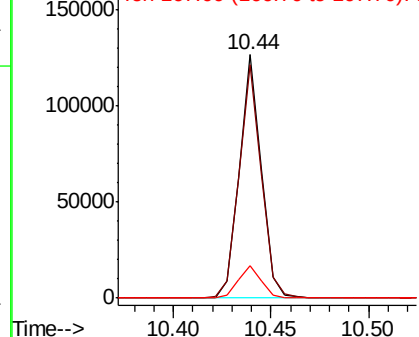


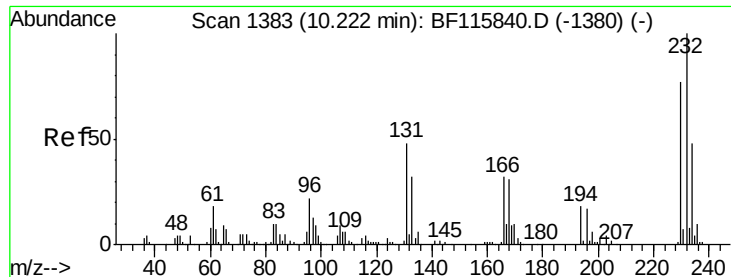
#58
Fluorene
Concen: 5.782 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

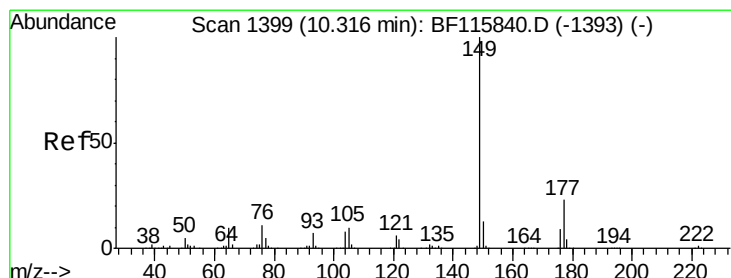
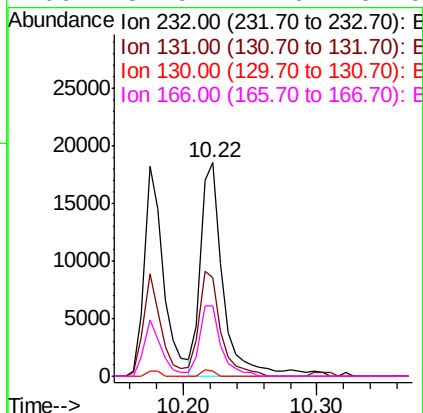
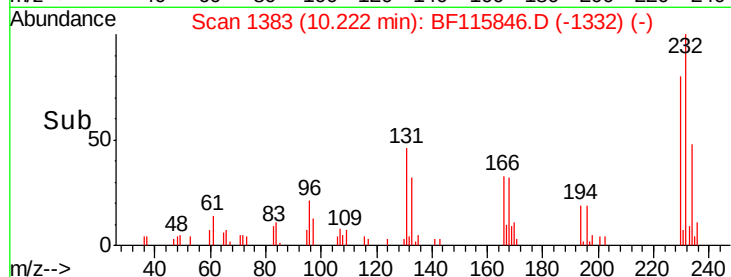
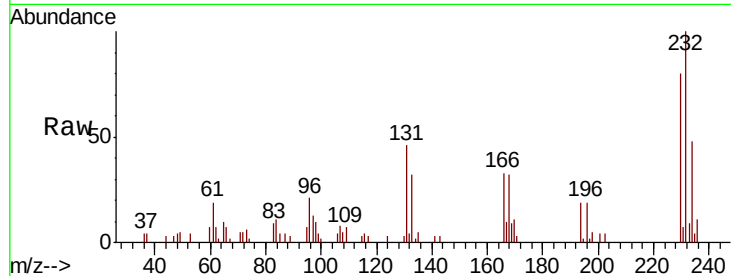




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.738 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

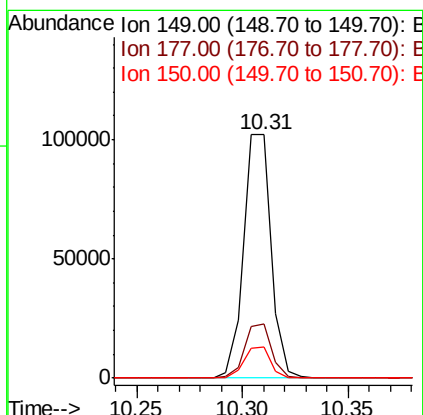
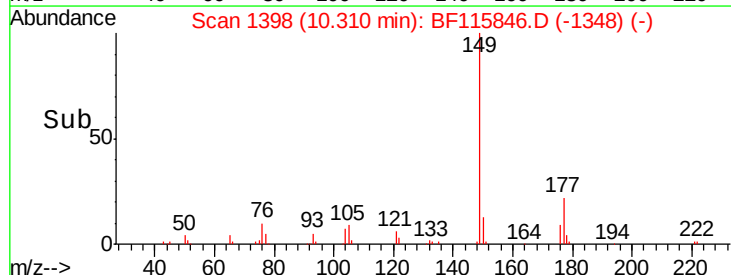
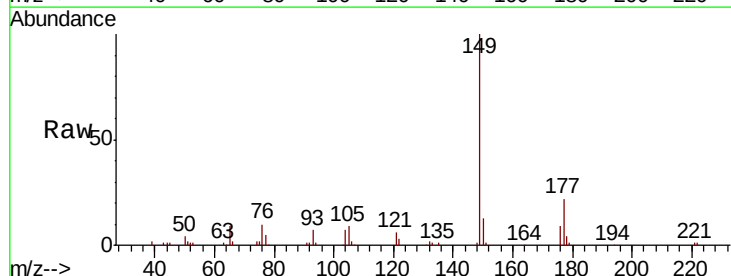
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

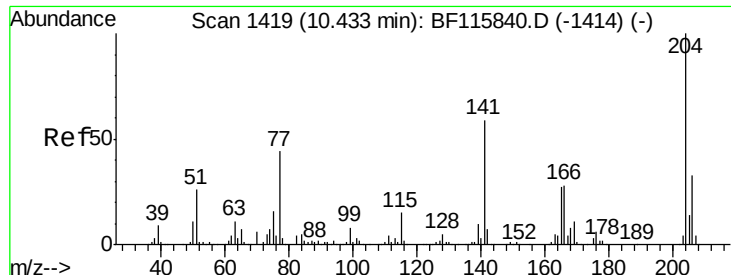
Tgt Ion: 232 Resp: 21930
Ion Ratio Lower Upper
232 100
131 47.6 37.6 56.4
130 1.6 1.8 2.8#
166 31.0 24.6 37.0



#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

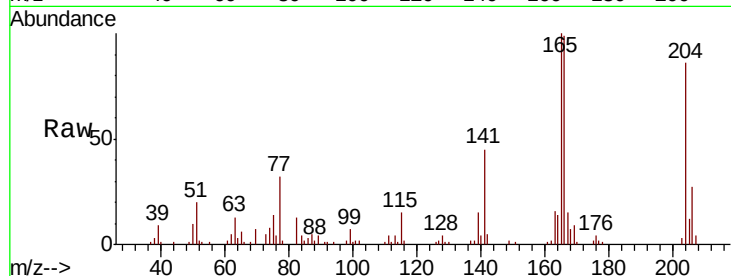




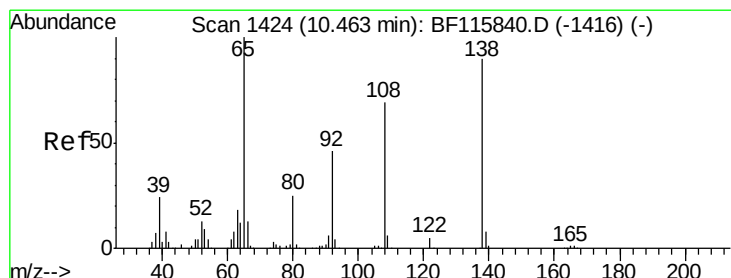
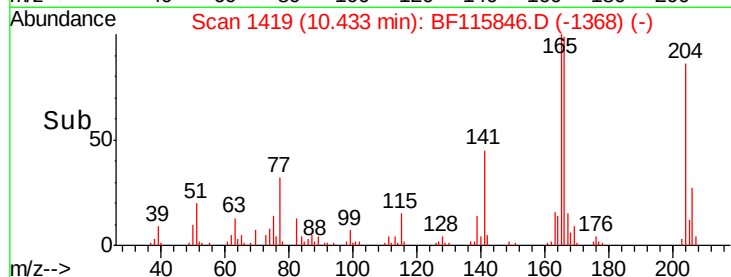
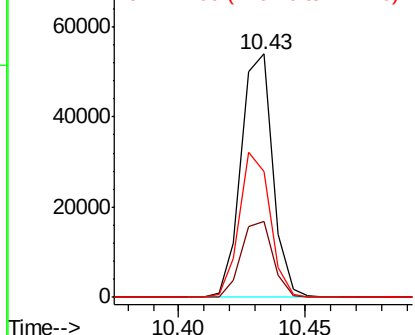
#61
 4-Chlorophenyl-phenylether
 Concen: 5.437 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

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

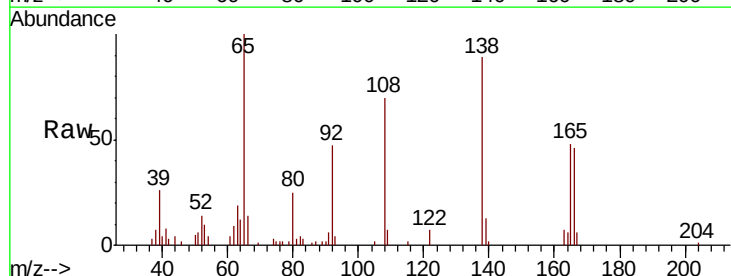


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

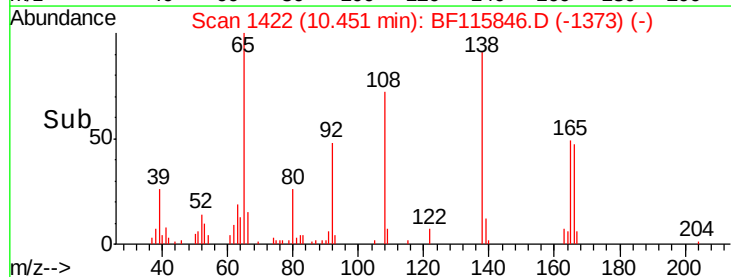
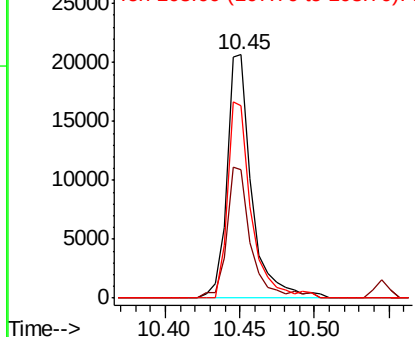


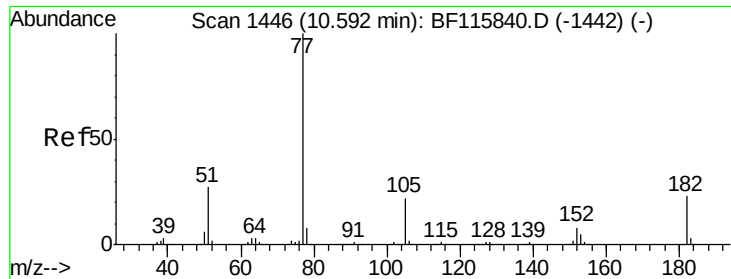
#62
 4-Nitroaniline
 Concen: 4.434 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

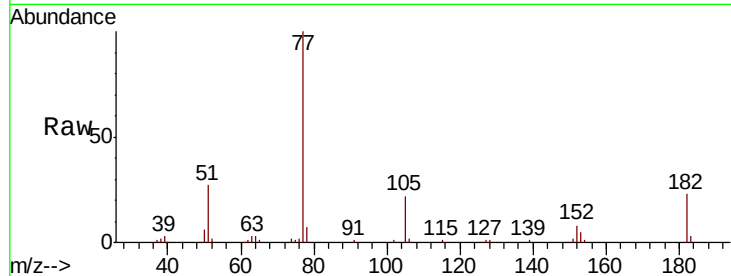




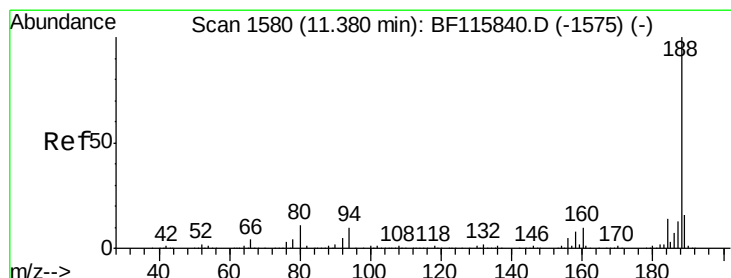
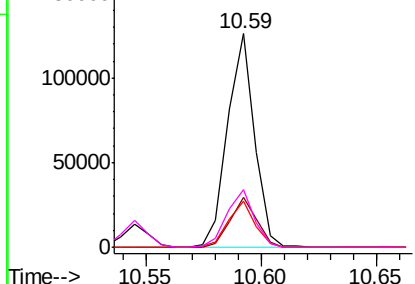
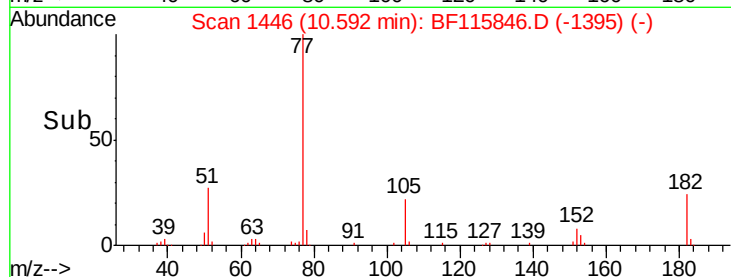
#63
Azobenzene
Concen: 5.409 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

Tgt 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

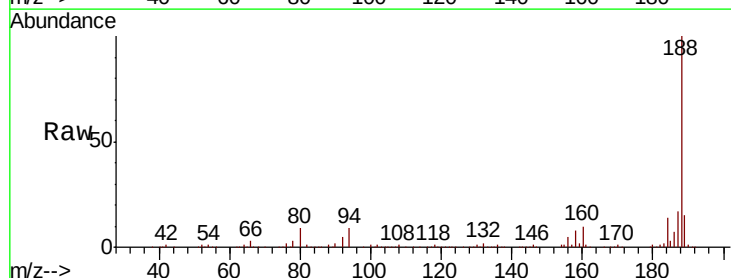


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

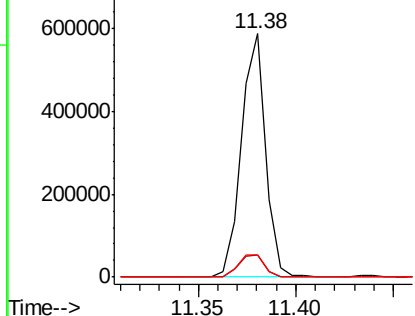
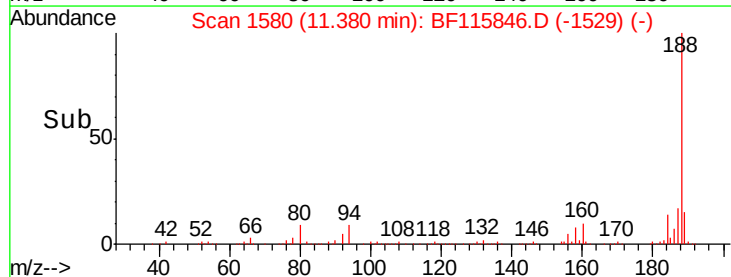


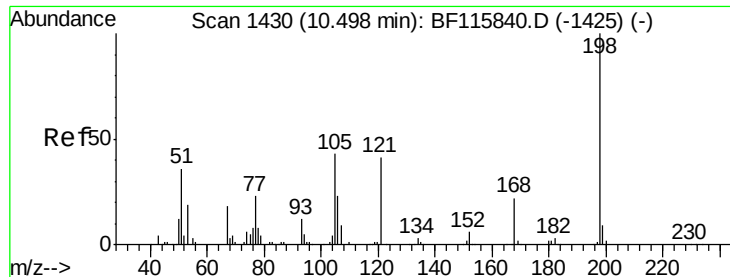
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 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

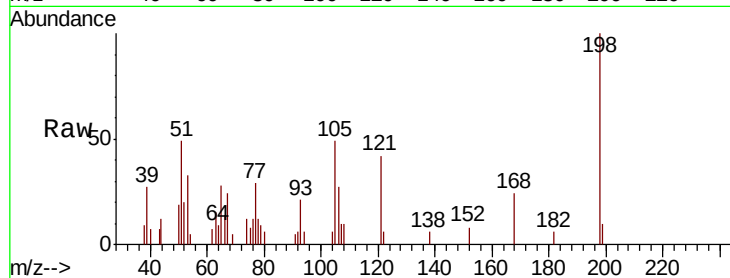
Tgt Ion:198 Resp: 7423

Ion Ratio Lower Upper

198 100

51 48.7 21.1 61.1

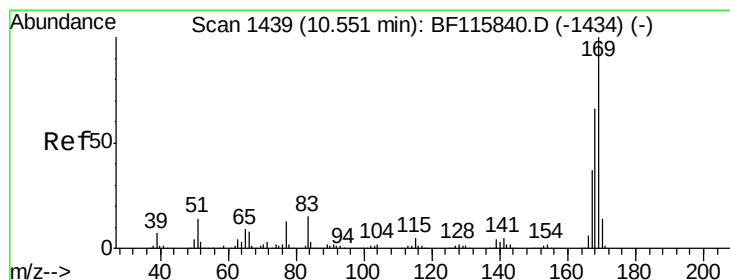
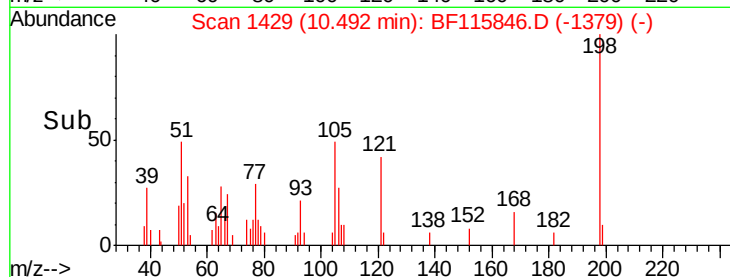
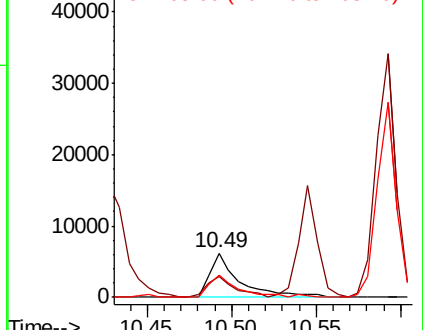
105 48.9 24.5 64.5



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

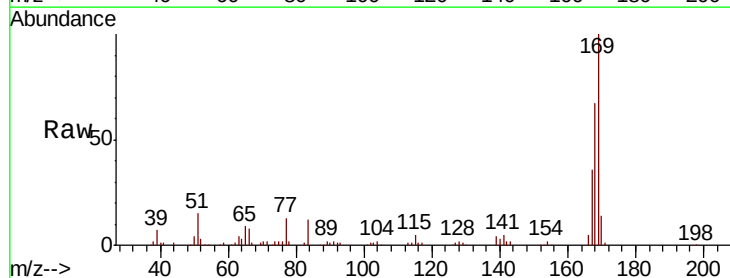
Tgt Ion:169 Resp: 84185

Ion Ratio Lower Upper

169 100

168 66.7 53.0 79.6

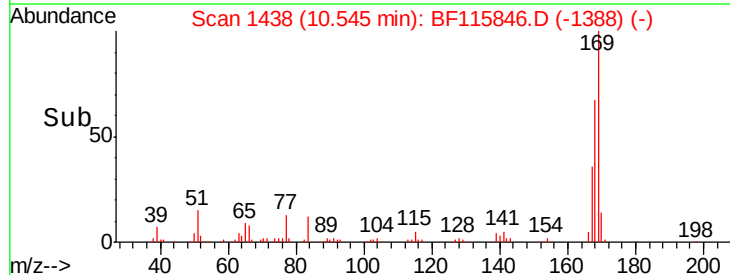
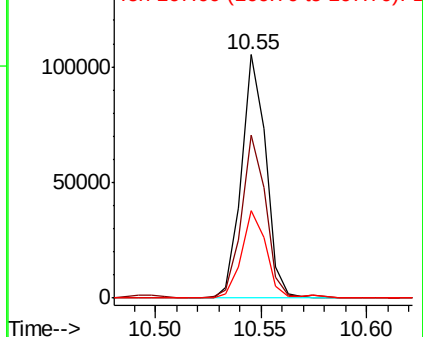
167 36.1 29.9 44.9

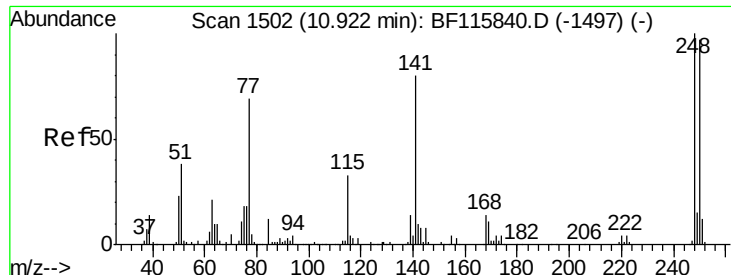


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

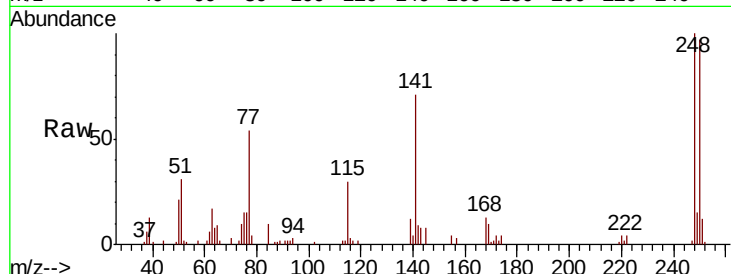




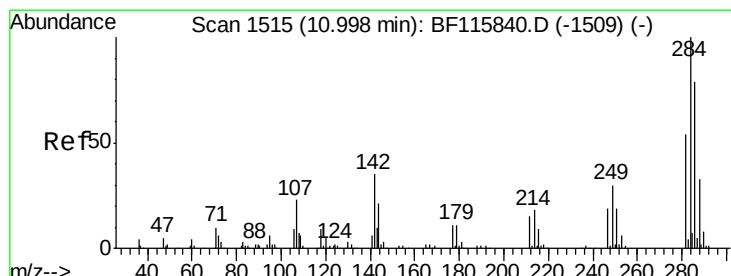
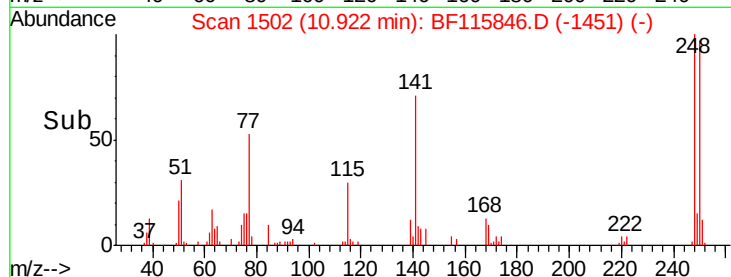
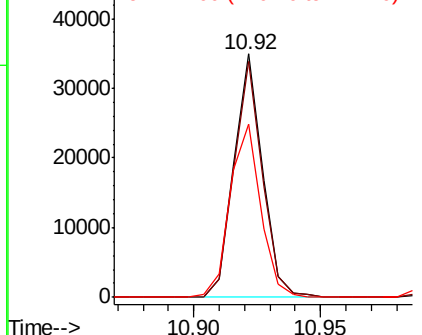
#67
 4-Bromophenyl-phenylether
 Concen: 5.080 ng
 RT: 10.92 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

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

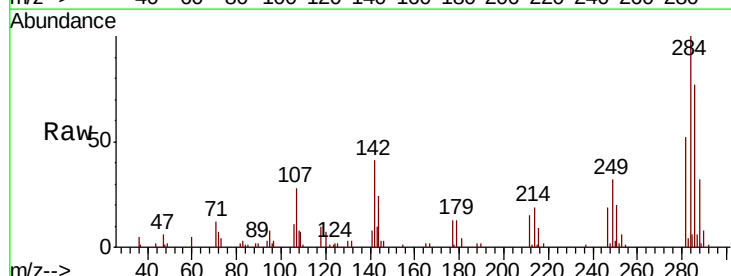


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

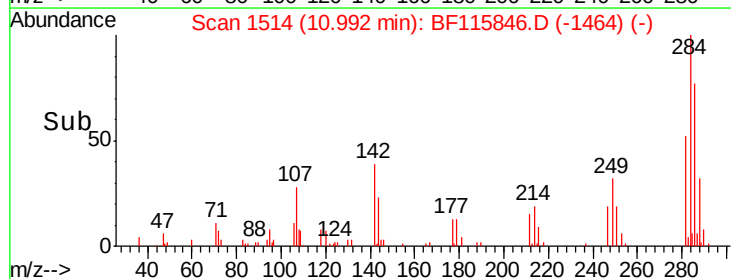
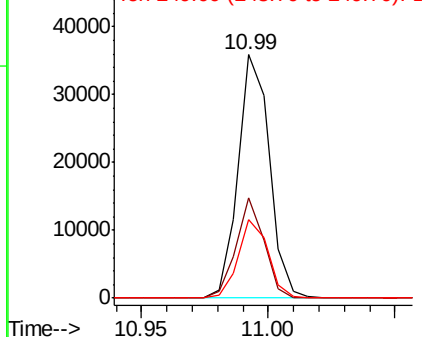


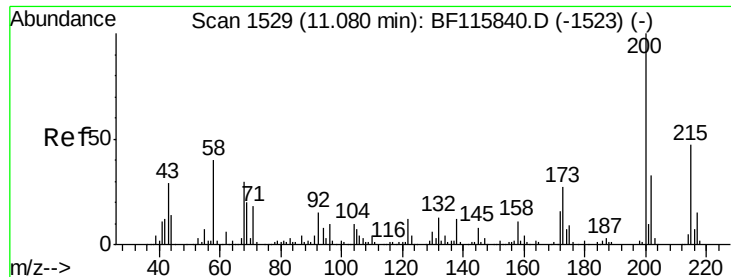
#68
 Hexachlorobenzene
 Concen: 4.940 ng
 RT: 10.99 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

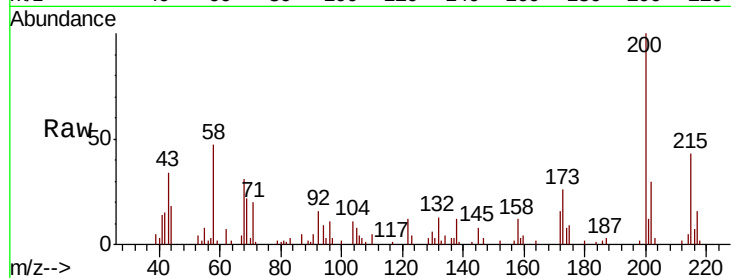




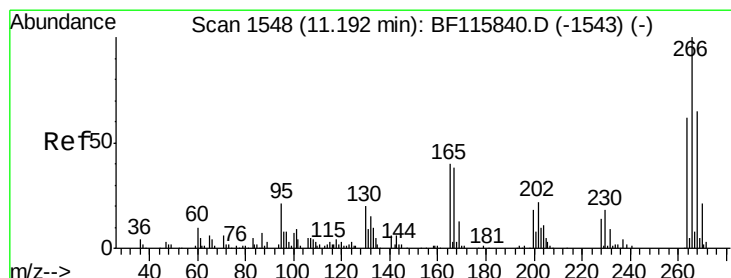
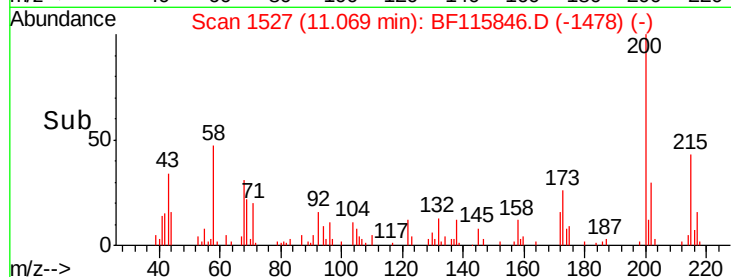
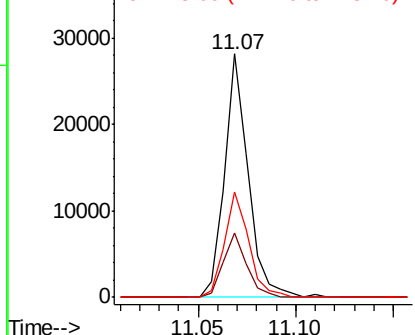
#69
Atrazine
Concen: 4.761 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

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

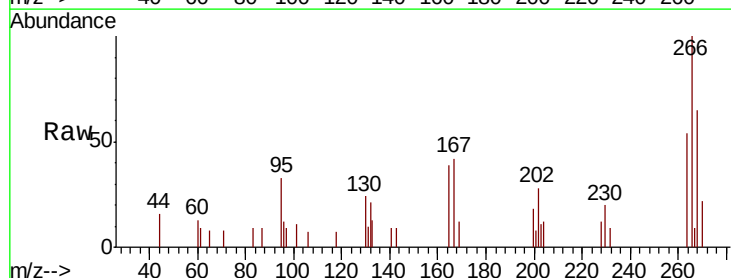


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

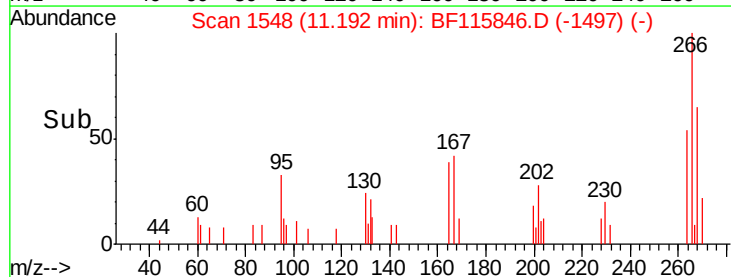
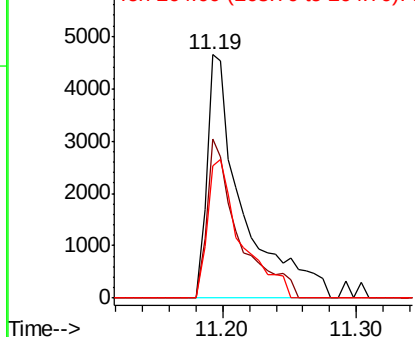


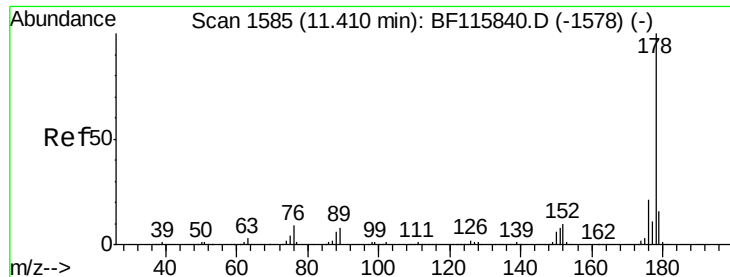
#70
Pentachlorophenol
Concen: 2.852 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

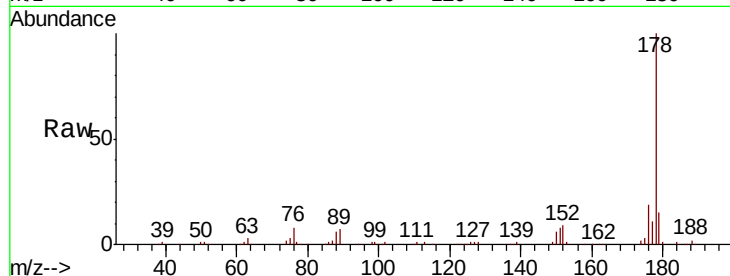




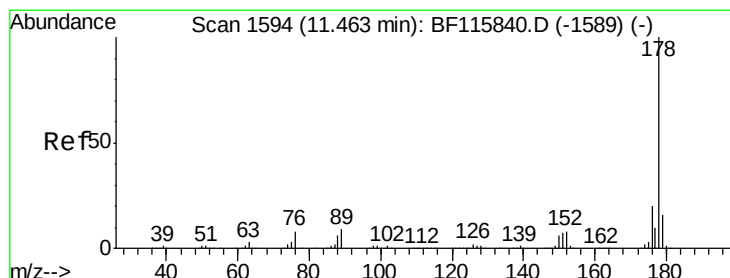
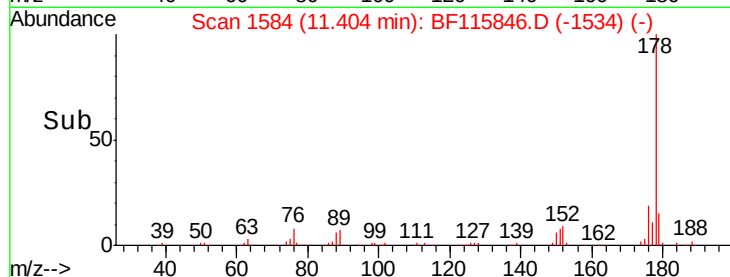
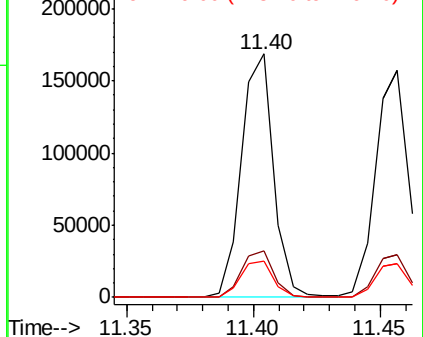
#71
Phenanthrene
Concen: 5.784 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

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

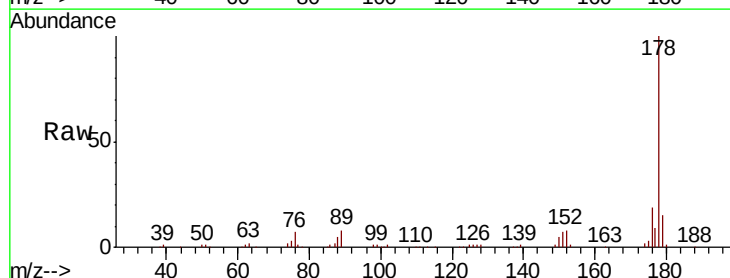


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

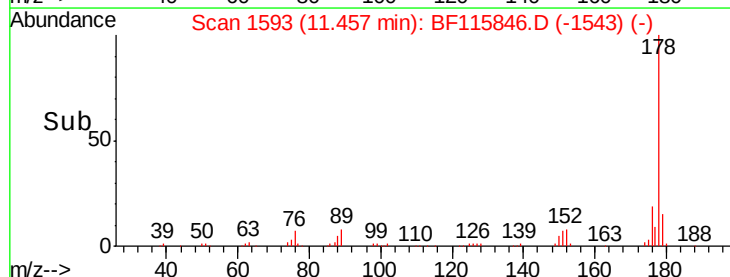
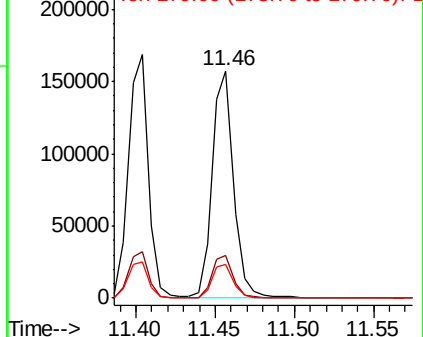


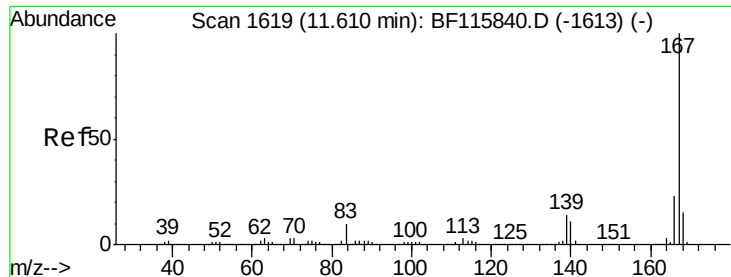
#72
Anthracene
Concen: 5.705 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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



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

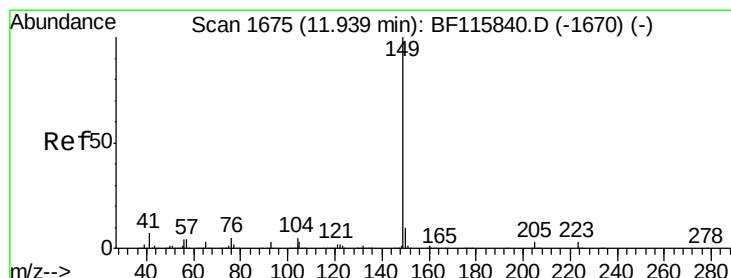
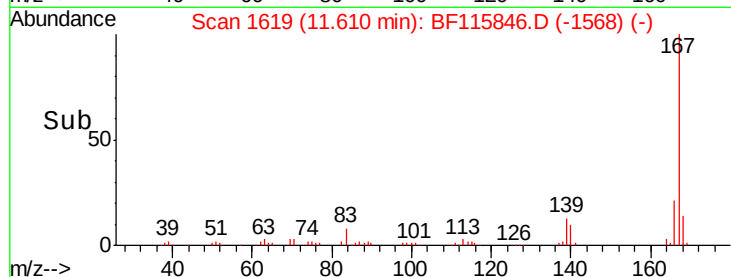
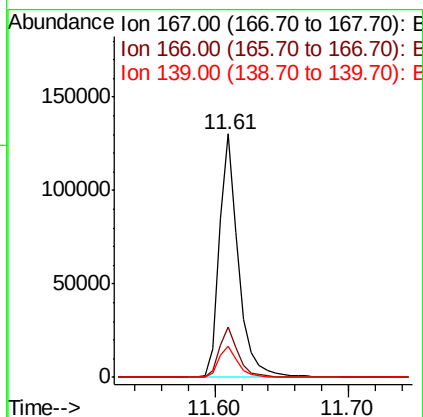
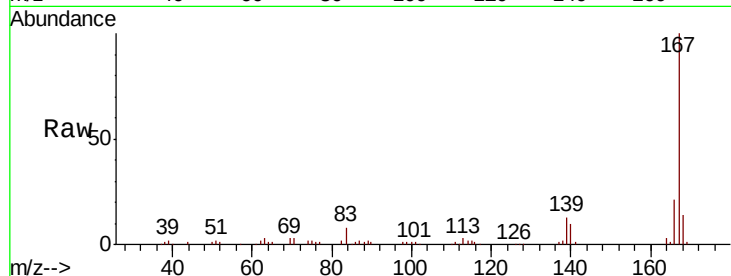




#73
 Carbazole
 Concen: 5.550 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

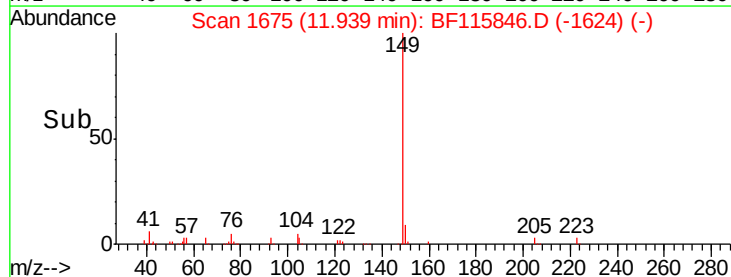
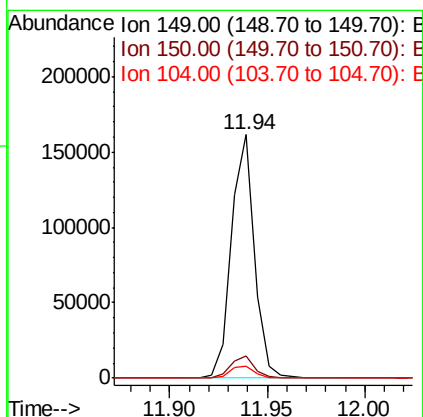
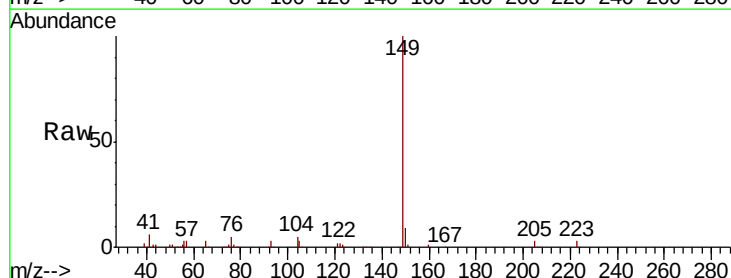
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

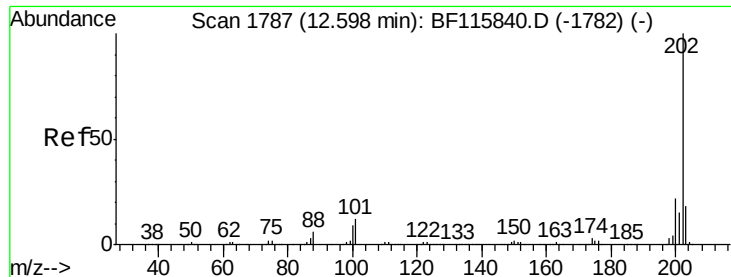
Tgt Ion:167 Resp: 130708
 Ion Ratio Lower Upper
 167 100
 166 20.9 18.0 27.0
 139 12.8 11.4 17.2



#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

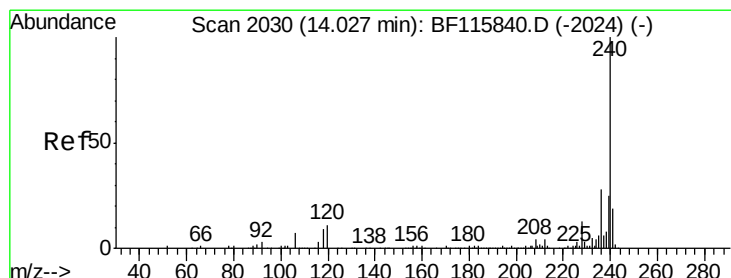
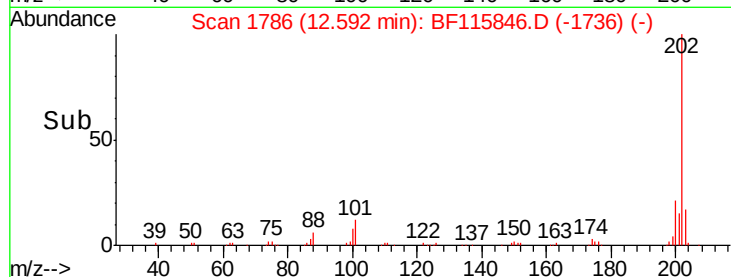
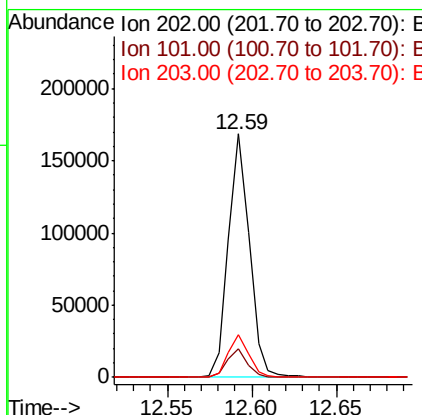
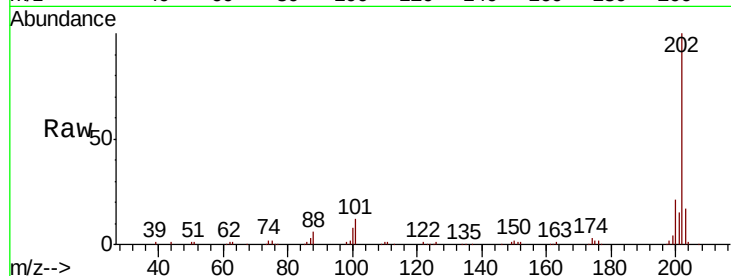




#75
Fluoranthene
Concen: 5.456 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

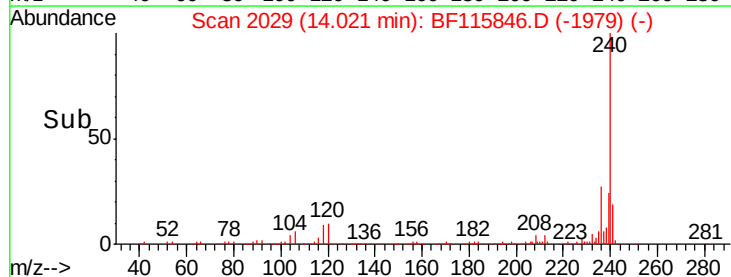
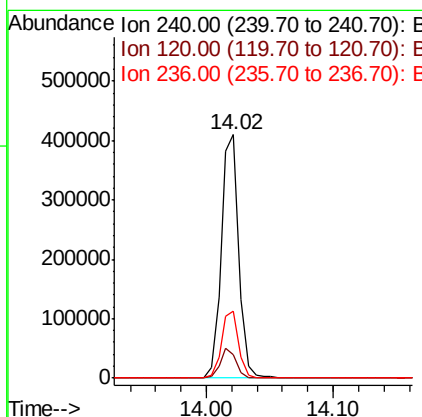
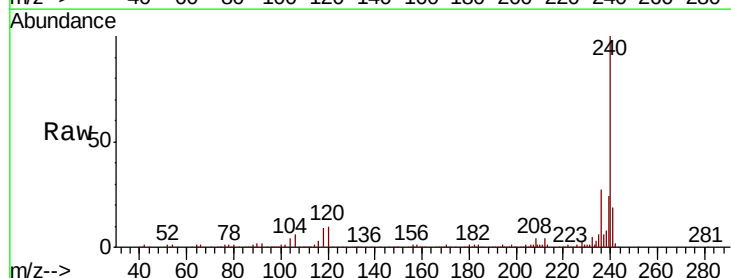
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

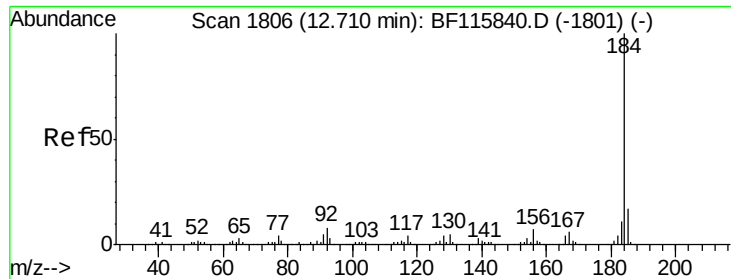
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	146498		
101	11.6	0.0	31.5	
203	17.5	0.0	37.9	



#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	Ratio	Resp	Lower	Upper
240	100	392134		
120	9.8	8.5	12.7	
236	27.4	22.2	33.2	





#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

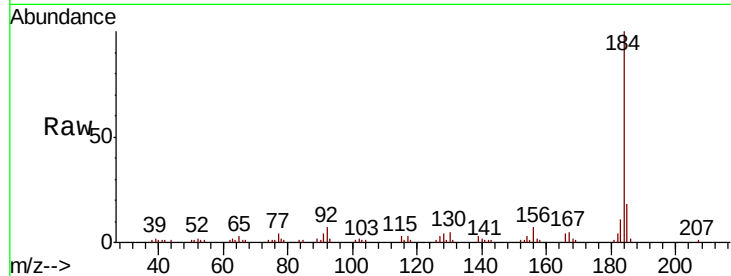
Tgt Ion:184 Resp: 57865

Ion Ratio Lower Upper

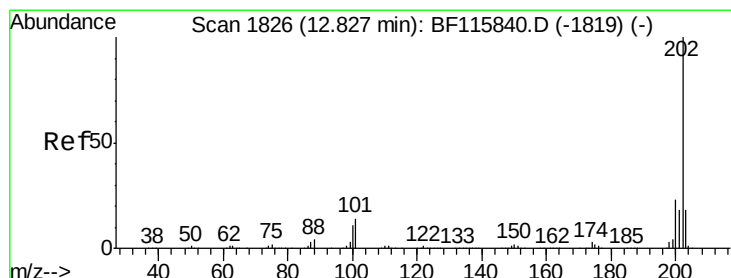
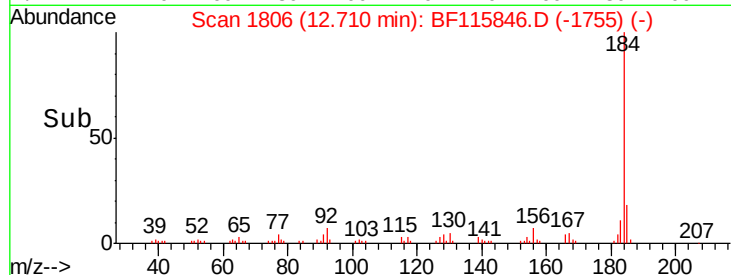
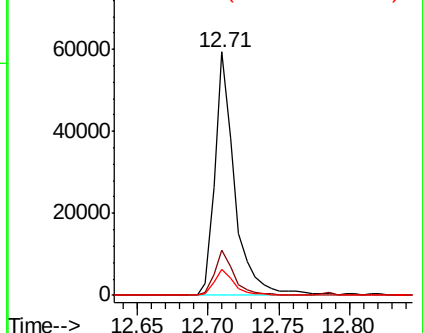
184 100

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

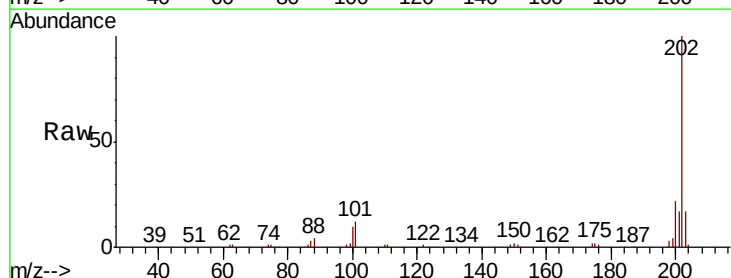
Tgt Ion:202 Resp: 155575

Ion Ratio Lower Upper

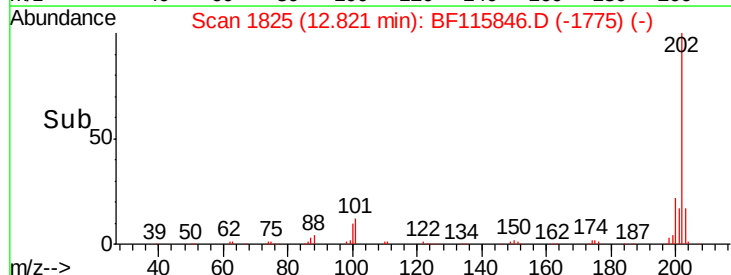
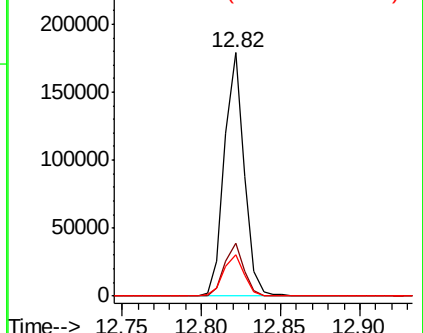
202 100

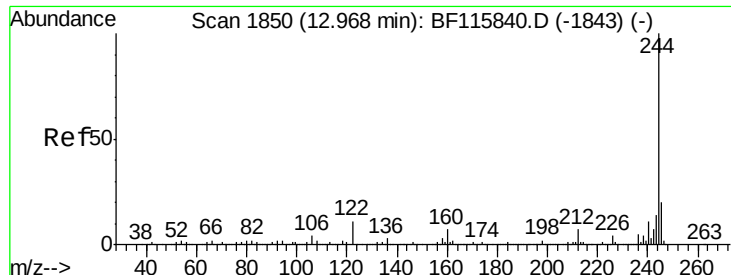
200 21.5 18.2 27.2

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

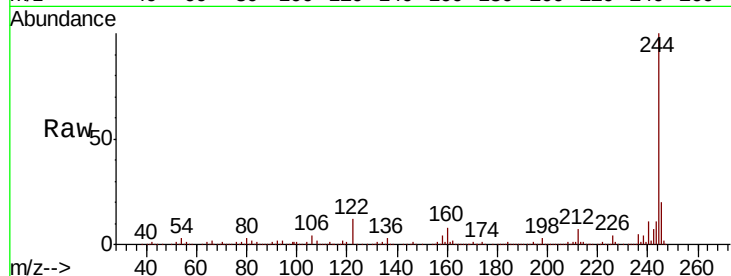
Tgt Ion:244 Resp: 1390353

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

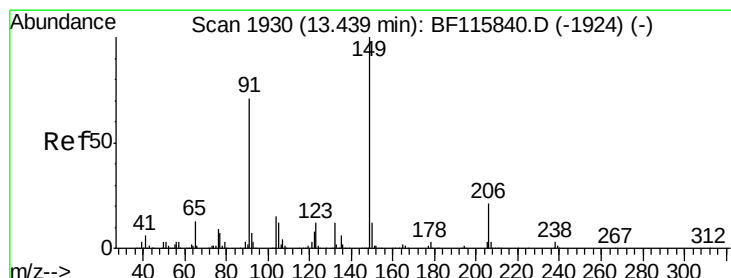
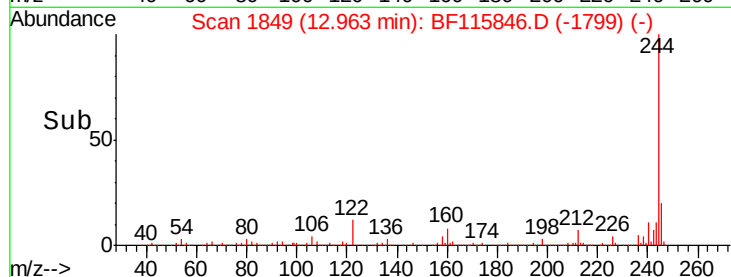
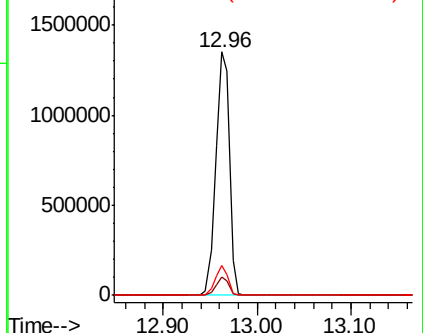
122 12.4 8.6 13.0



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

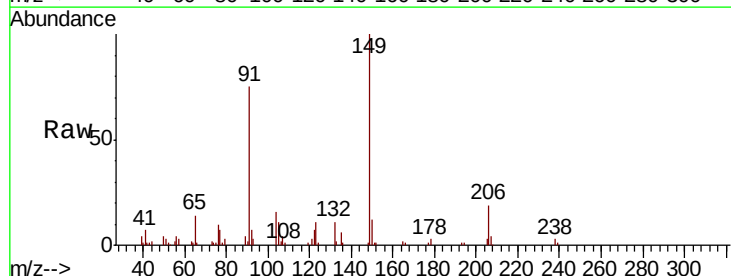
Tgt Ion:149 Resp: 50677

Ion Ratio Lower Upper

149 100

91 75.0 57.0 85.6

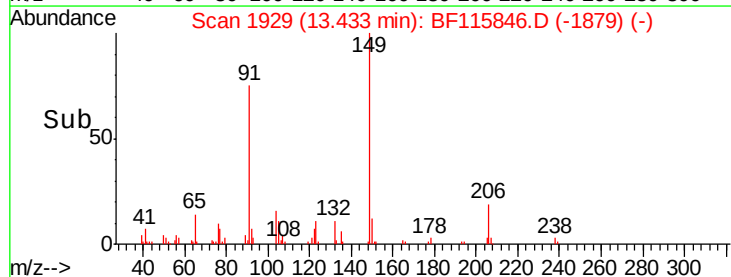
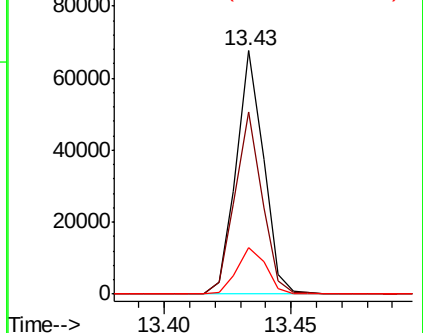
206 19.0 16.9 25.3

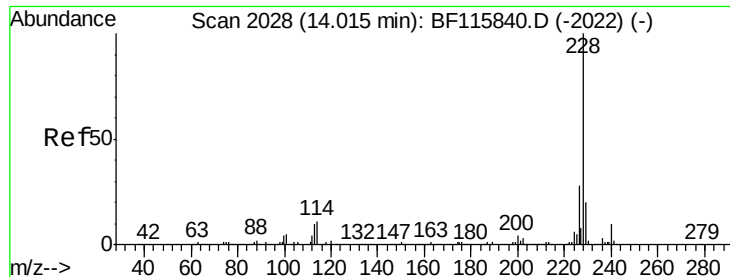


Abundance Ion 149.00 (148.70 to 149.70): E

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

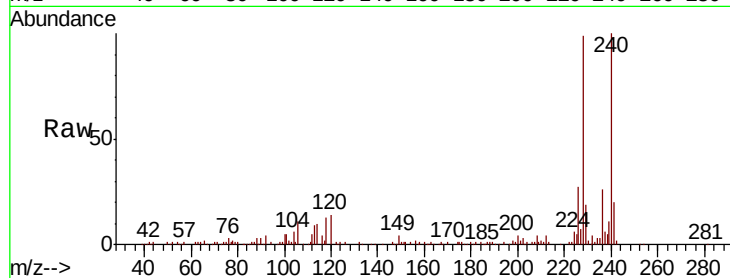
Tgt Ion:228 Resp: 127918

Ion Ratio Lower Upper

228 100

226 27.2 22.5 33.7

229 19.5 16.1 24.1

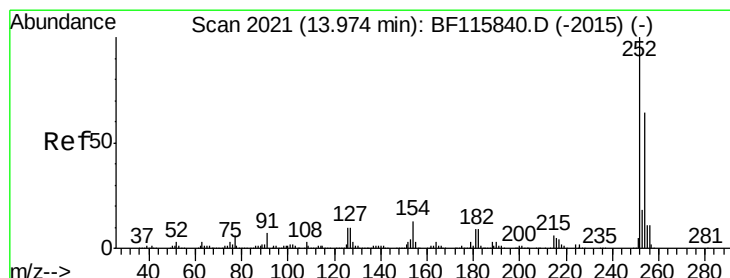
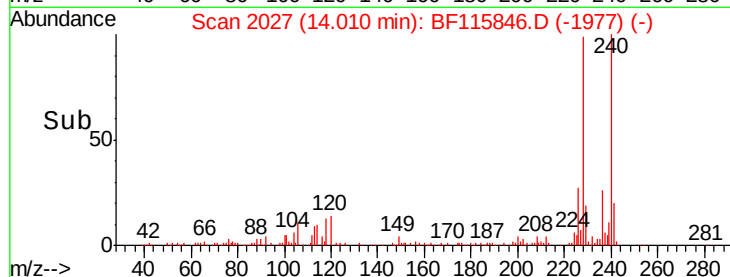
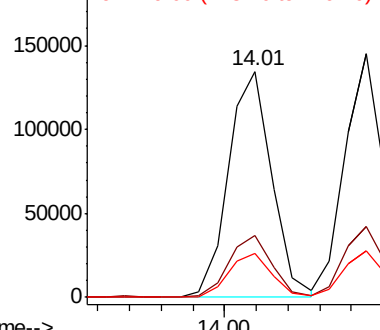


Abundance

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

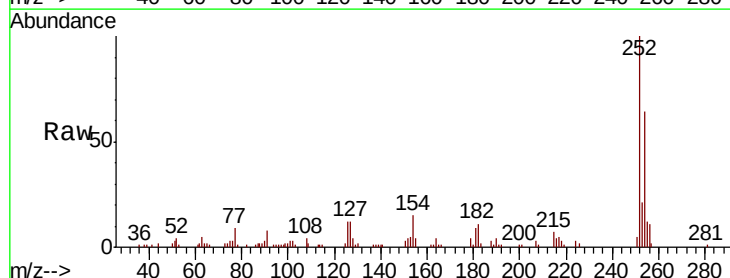
Tgt Ion:252 Resp: 42939

Ion Ratio Lower Upper

252 100

254 63.8 51.2 76.8

126 12.2 8.1 12.1#

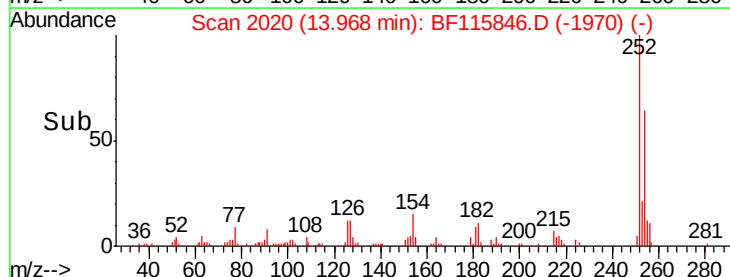
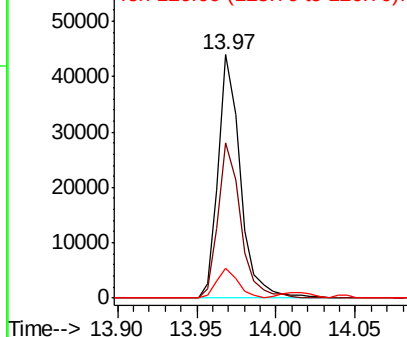


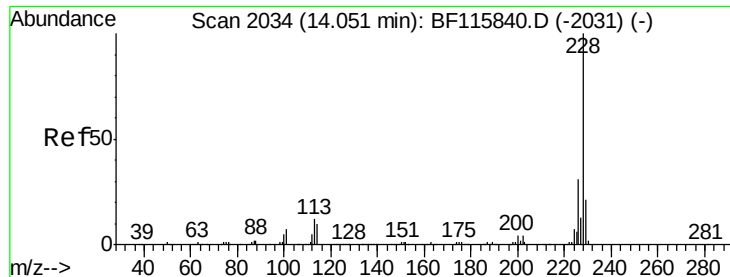
Abundance

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

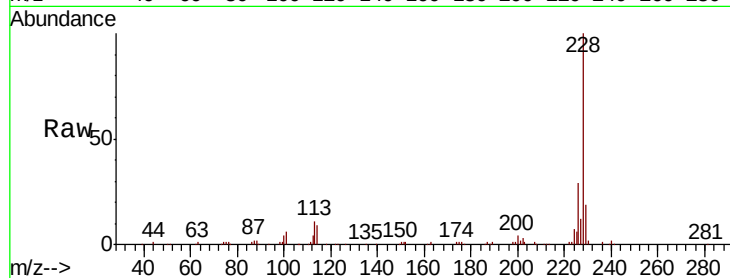
Tgt Ion:228 Resp: 126122

Ion Ratio Lower Upper

228 100

226 29.3 24.8 37.2

229 19.2 16.4 24.6

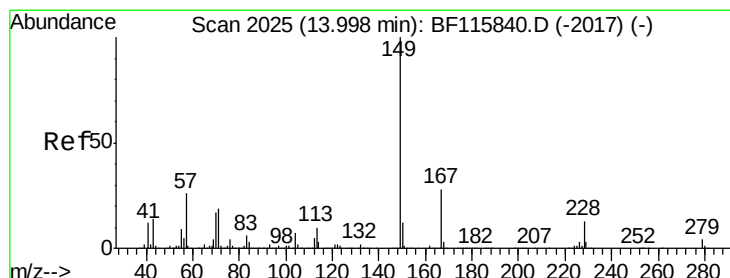
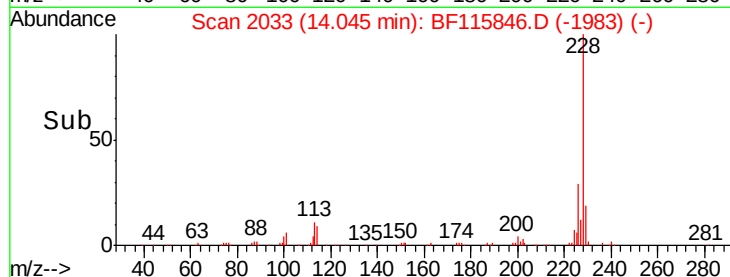
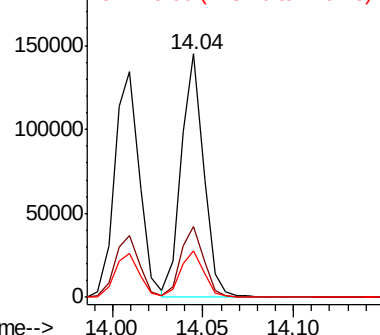


Abundance

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

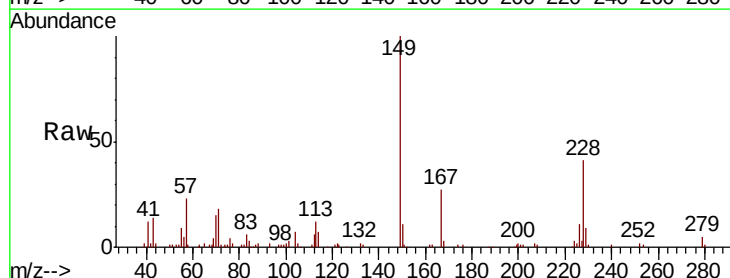
Tgt Ion:149 Resp: 68016

Ion Ratio Lower Upper

149 100

167 27.1 22.4 33.6

279 4.5 3.3 4.9

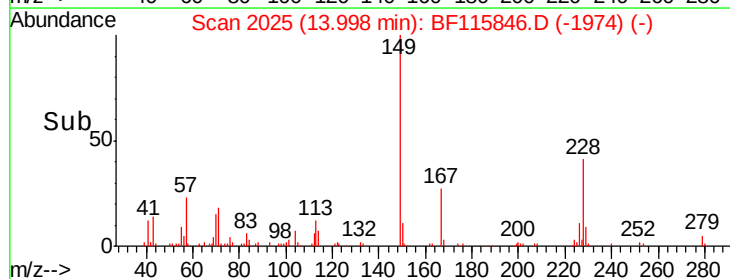
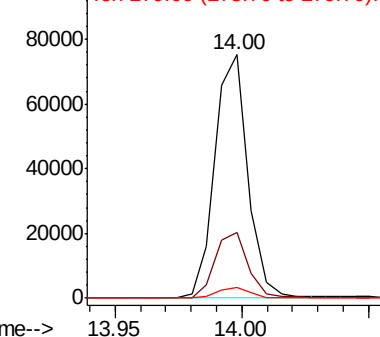


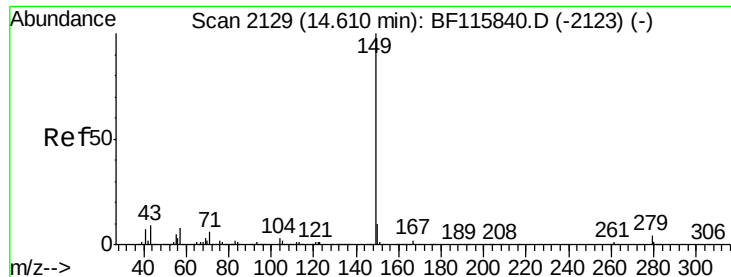
Abundance

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

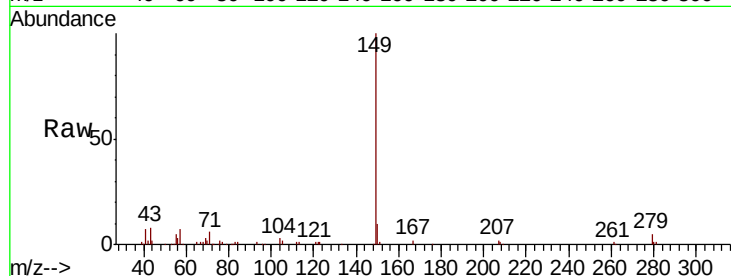
Tgt Ion:149 Resp: 105033

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

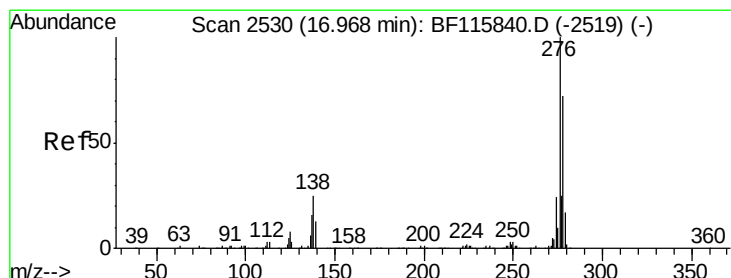
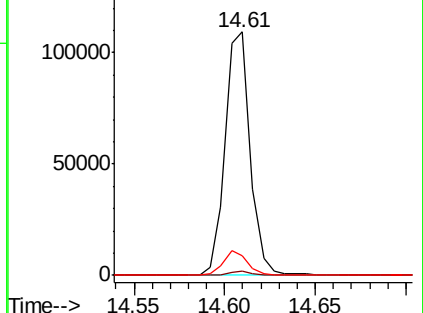
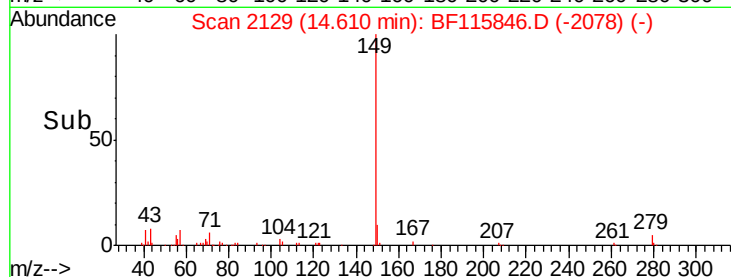
43 9.8 7.4 11.0



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

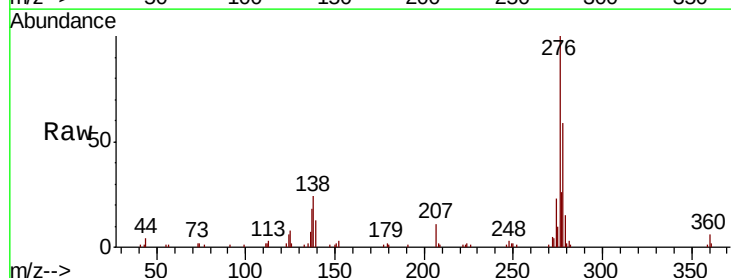
Tgt Ion:276 Resp: 94186

Ion Ratio Lower Upper

276 100

138 25.4 19.6 29.4

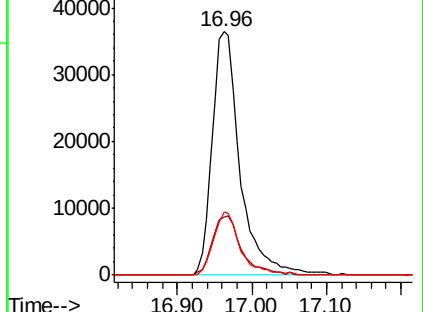
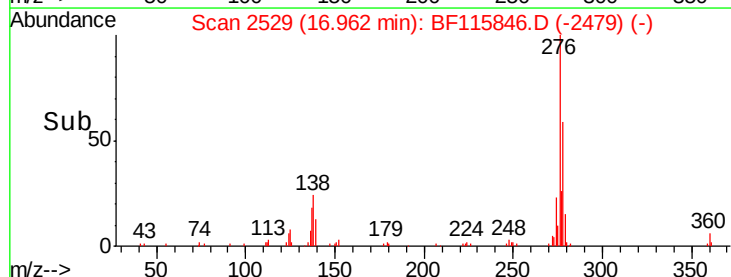
277 24.5 20.1 30.1

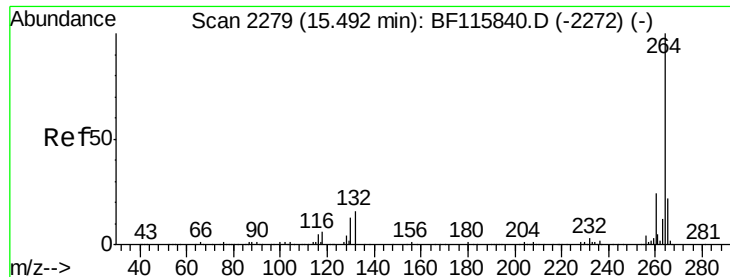


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

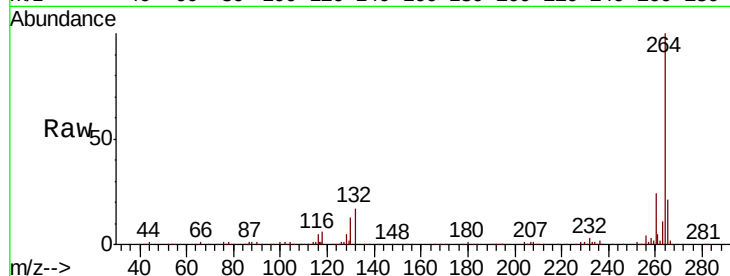




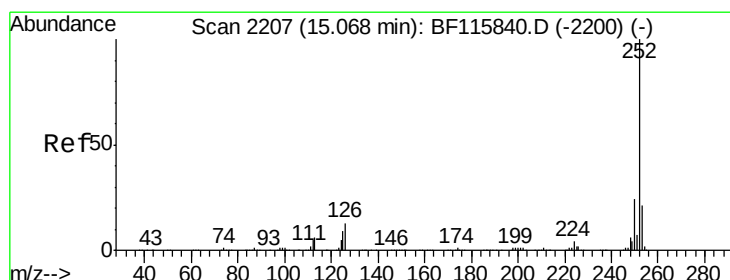
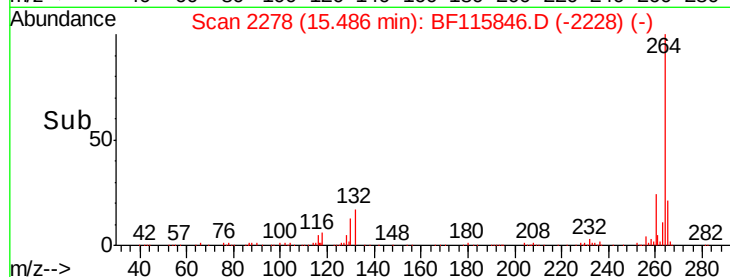
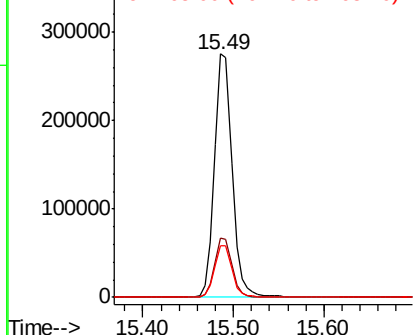
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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

Tgt Ion: 264 Resp: 373983
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 21.0 17.5 26.3

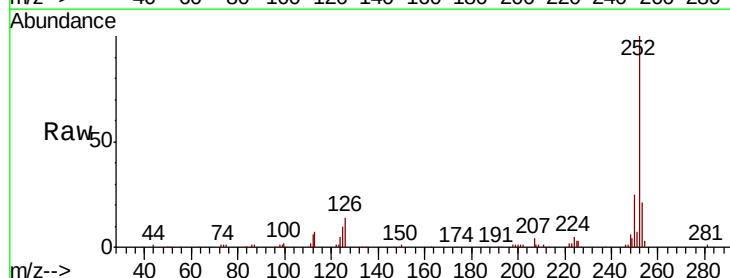


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

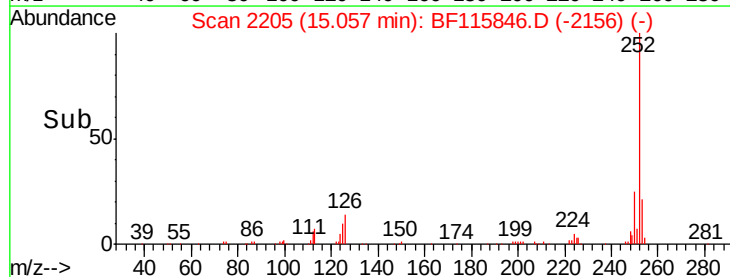
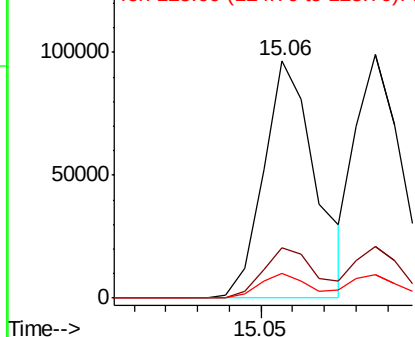


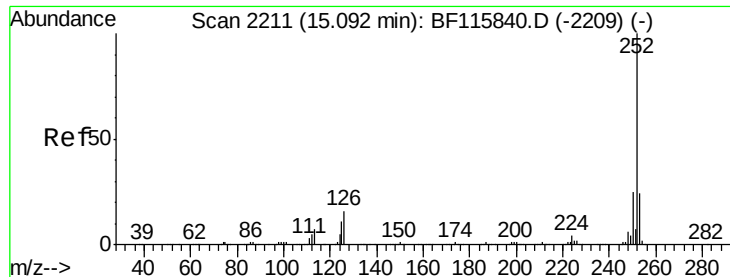
#88
 Benzo(b)fluoranthene
 Concen: 5.079 ng
 RT: 15.06 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BF115846.D
 Acq: 30 Jul 2019 17:15

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



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

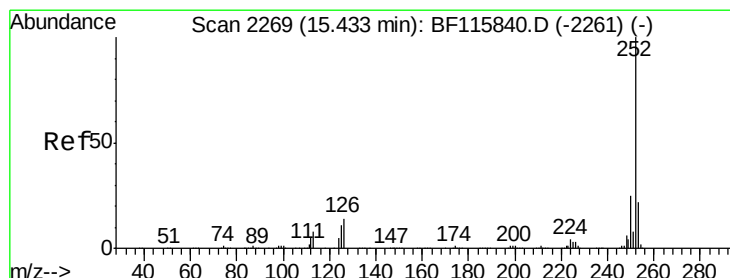
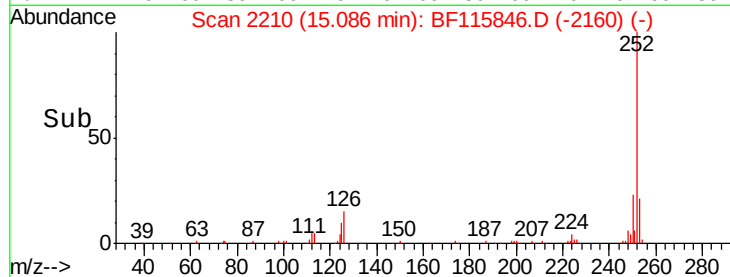
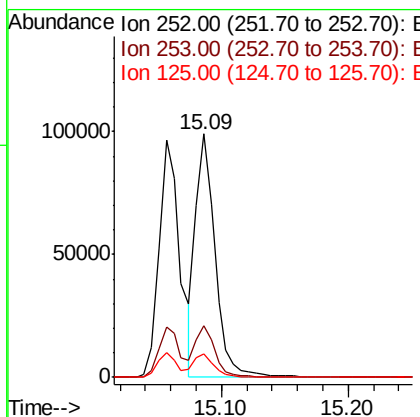
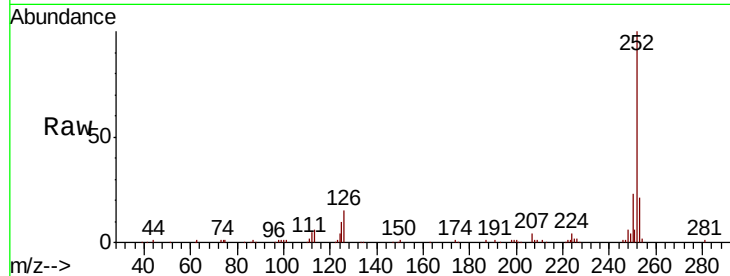




#89
Benzo(k)fluoranthene
Concen: 5.005 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

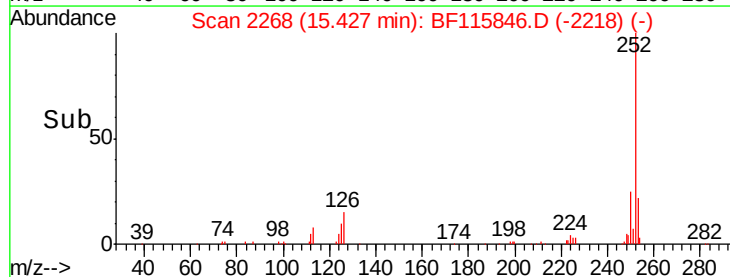
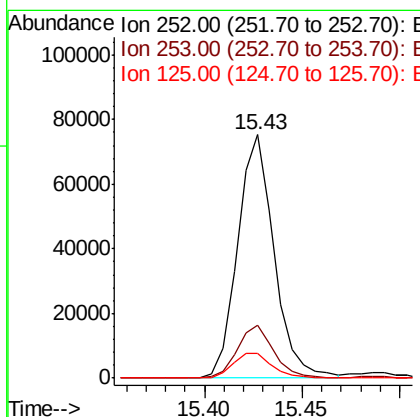
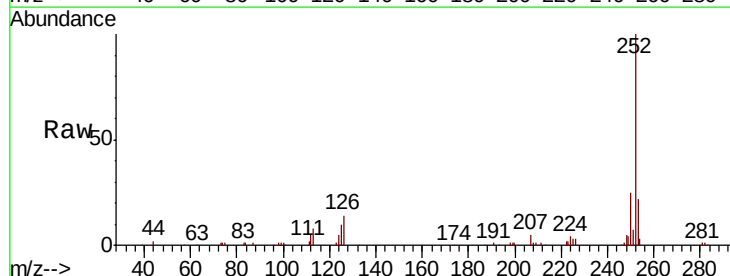
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

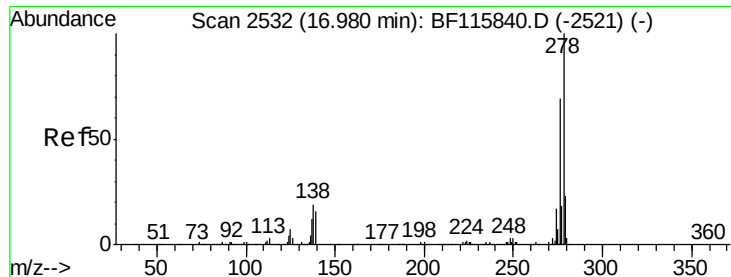
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.4
125	9.9	8.9	13.3



#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	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	10.2	8.8	13.2

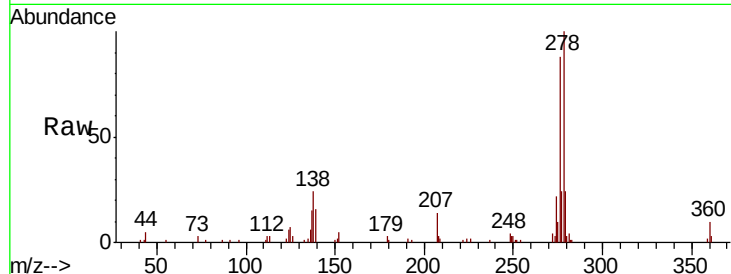




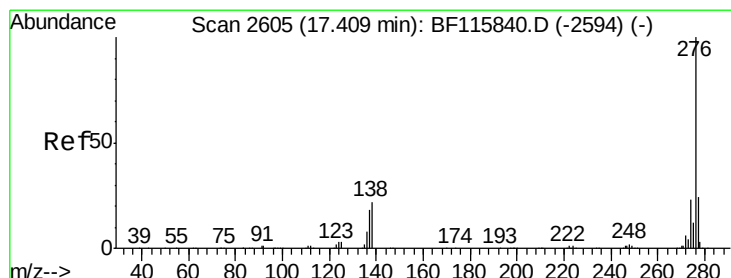
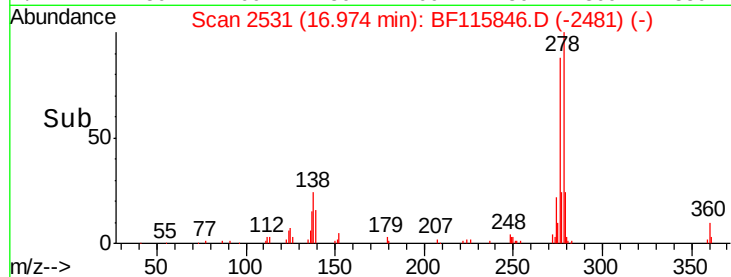
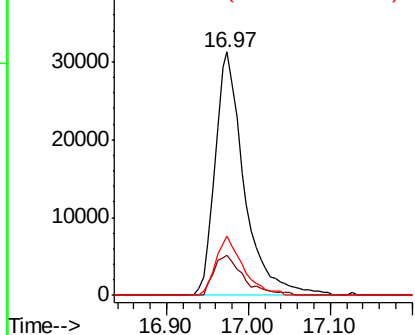
#91
Dibenzo(a,h)anthracene
Concen: 4.641 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115846.D
Acq: 30 Jul 2019 17:15

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

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

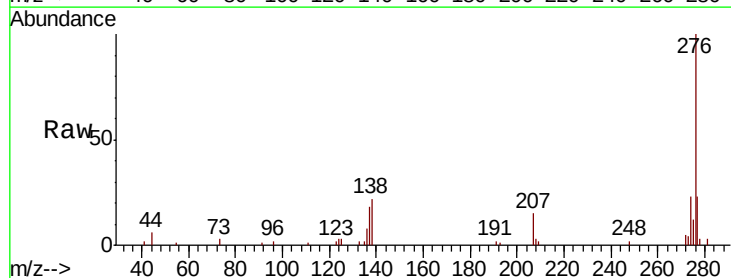


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 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



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

