

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073019\
 Data File : BF115847.D
 Acq On : 30 Jul 2019 17:42
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 31 04:38:01 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	140470	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	564633	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	298134	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	519247	20.00	ng	0.00
76) Chrysene-d12	14.02	240	409818	20.00	ng	0.00
87) Perylene-d12	15.49	264	394844	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	842491	100.40	ng	0.00
7) Phenol-d6	6.48	99	1053438	99.51	ng	0.00
23) Nitrobenzene-d5	7.42	82	791521	80.92	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	290792	100.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1320047	82.93	ng	0.00
79) Terphenyl-d14	12.96	244	1440139	74.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	35112	8.283	ng	100
3) Pyridine	3.41	79	74496	6.291	ng	98
4) n-Nitrosodimethylamine	3.30	42	35423	7.580	ng	# 93
6) Aniline	6.52	93	122869	8.104	ng	100
8) 2-Chlorophenol	6.64	128	77716	8.376	ng	97
9) Benzaldehyde	6.40	77	68204	9.337	ng	98
10) Phenol	6.49	94	108297	8.687	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	73328	8.000	ng	98
12) 1,3-Dichlorobenzene	6.79	146	87298	8.141	ng	98
13) 1,4-Dichlorobenzene	6.87	146	88496	8.242	ng	98
14) 1,2-Dichlorobenzene	7.02	146	81809	8.275	ng	100
15) Benzyl Alcohol	6.99	79	73627	9.164	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.13	45	98848	7.906	ng	99
17) 2-Methylphenol	7.10	107	65730	8.366	ng	99
18) Hexachloroethane	7.36	117	30477	7.710	ng	94
19) n-Nitroso-di-n-propylamine	7.26	70	55149	8.406	ng	96
20) 3+4-Methylphenols	7.26	107	84386	9.076	ng	# 56
22) Acetophenone	7.26	105	112146	9.056	ng	# 97
24) Nitrobenzene	7.43	77	89716	8.494	ng	99
25) Isophorone	7.66	82	149961	8.018	ng	96
26) 2-Nitrophenol	7.75	139	38080	7.649	ng	98
27) 2,4-Dimethylphenol	7.78	122	66425	8.868	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	92669	7.993	ng	99
29) 2,4-Dichlorophenol	7.99	162	64423	8.146	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	72215	8.010	ng	97
31) Naphthalene	8.15	128	237403	8.935	ng	99
32) Benzoic acid	7.86	122	22390	4.240	ng	99
33) 4-Chloroaniline	8.20	127	95247	8.023	ng	97
34) Hexachlorobutadiene	8.27	225	40264	7.754	ng	99
35) Caprolactam	8.54	113	19887	7.775	ng	96
36) 4-Chloro-3-methylphenol	8.69	107	66221	8.048	ng	99
37) 2-Methylnaphthalene	8.85	142	156905	8.967	ng	97
38) 1-Methylnaphthalene	8.95	142	145845	8.810	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	68708	8.620	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	14177	4.551	ng	98
43) 2,4,6-Trichlorophenol	9.13	196	40795	7.436	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	43771	7.718	ng	98
46) 1,1'-Biphenyl	9.31	154	192557	9.148	ng	98
47) 2-Chloronaphthalene	9.34	162	144528	8.250	ng	99
48) 2-Nitroaniline	9.43	65	42482	7.337	ng	# 83
49) Acenaphthylene	9.75	152	231264	9.049	ng	97
50) Dimethylphthalate	9.60	163	159895	7.877	ng	100
51) 2,6-Dinitrotoluene	9.67	165	35167	7.972	ng	92
52) Acenaphthene	9.93	154	136402	8.700	ng	99
53) 3-Nitroaniline	9.84	138	39375	7.224	ng	93
54) 2,4-Dinitrophenol	9.96	184	6349	3.389	ng	93
55) Dibenzofuran	10.10	168	206282	9.047	ng	100
56) 4-Nitrophenol	10.01	139	21099	6.042	ng	97
57) 2,4-Dinitrotoluene	10.07	165	44792	7.626	ng	# 87
58) Fluorene	10.44	166	161564	9.210	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	35591	7.460	ng	96
60) Diethylphthalate	10.31	149	154227	8.138	ng	98
61) 4-Chlorophenyl-phenylether	10.43	204	75790	8.530	ng	95
62) 4-Nitroaniline	10.45	138	40530	7.195	ng	99
63) Azobenzene	10.59	77	167214	8.578	ng	98
65) 4,6-Dinitro-2-methylphenol	10.49	198	15268	5.549	ng	95
66) n-Nitrosodiphenylamine	10.55	169	137721	8.812	ng	100
67) 4-Bromophenyl-phenylether	10.92	248	46009	8.277	ng	93
68) Hexachlorobenzene	10.99	284	51136	7.956	ng	95
69) Atrazine	11.07	200	40871	7.949	ng	99
70) Pentachlorophenol	11.19	266	16845	5.398	ng	99
71) Phenanthrene	11.40	178	240128	9.046	ng	98
72) Anthracene	11.46	178	245306	9.131	ng	97
73) Carbazole	11.61	167	216791	8.895	ng	97
74) Di-n-butylphthalate	11.94	149	226540	7.968	ng	98
75) Fluoranthene	12.59	202	246362	8.865	ng	98
77) Benzidine	12.71	184	95182	6.875	ng	98
78) Pyrene	12.82	202	256711	8.310	ng	99
80) Butylbenzylphthalate	13.43	149	87792	6.718	ng	93
81) Benzo(a)anthracene	14.01	228	213472	8.150	ng	100
82) 3,3'-Dichlorobenzidine	13.97	252	73168	8.040	ng	# 97
83) Chrysene	14.04	228	210126	8.263	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	120594	7.102	ng	99
85) Di-n-octyl phthalate	14.60	149	185770	6.887	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	159940	7.488	ng	99
88) Benzo(b)fluoranthene	15.06	252	171547	7.514	ng	99
89) Benzo(k)fluoranthene	15.09	252	187868	8.448	ng	97
90) Benzo(a)pyrene	15.42	252	164178	8.045	ng	98
91) Dibenzo(a,h)anthracene	16.97	278	131731	7.457	ng	98
92) Benzo(g,h,i)perylene	17.40	276	127082	7.325	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

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LOD-MDL-SOIL-01-QT3-2019

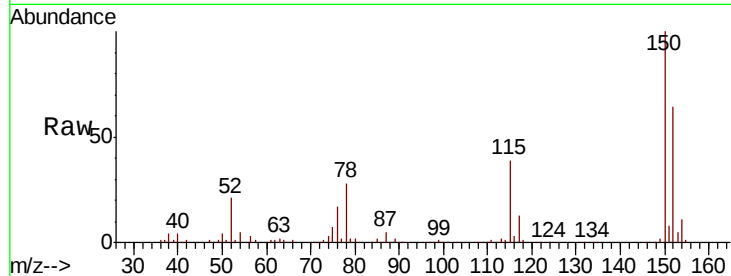
Tgt Ion:152 Resp: 140470

Ion Ratio Lower Upper

152 100

150 155.5 127.4 191.0

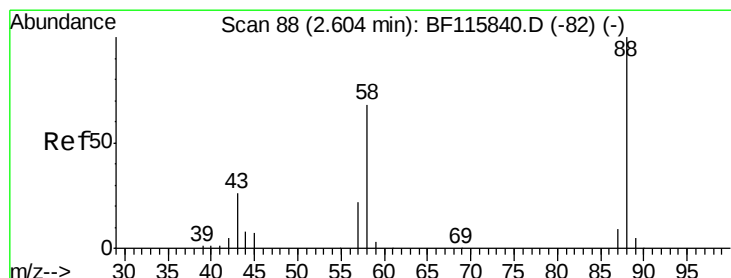
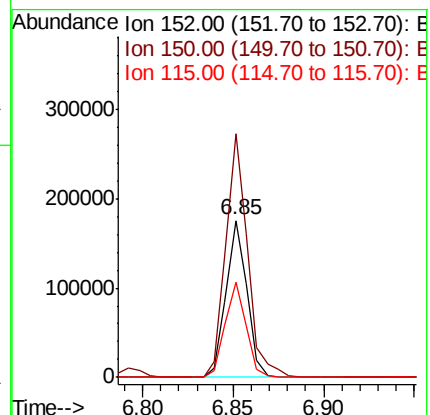
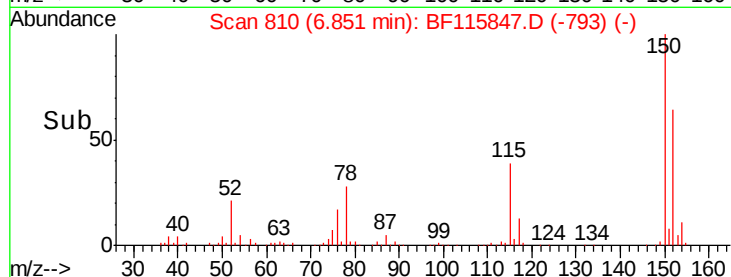
115 61.1 51.8 77.8



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



#2

1,4-Dioxane

Concen: 8.283 ng

RT: 2.61 min Scan# 89

Delta R.T. 0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

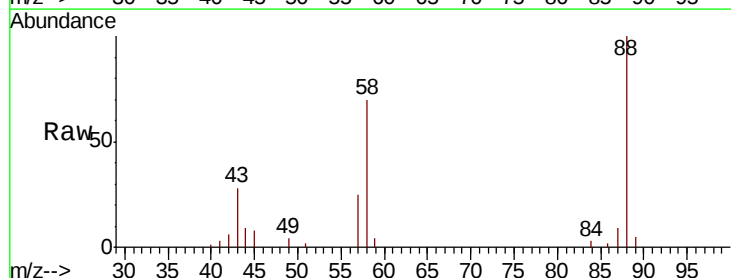
Tgt Ion: 88 Resp: 35112

Ion Ratio Lower Upper

88 100

58 67.5 54.1 81.1

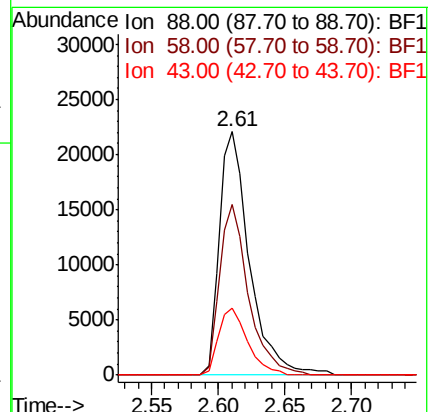
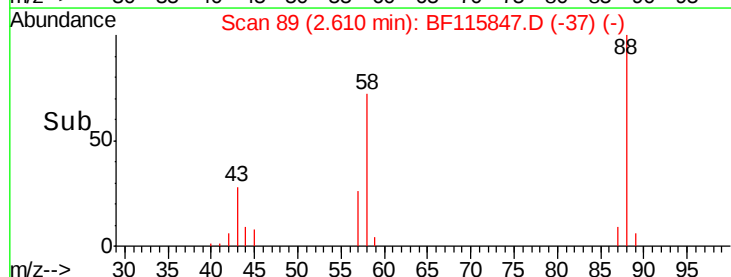
43 26.5 20.7 31.1

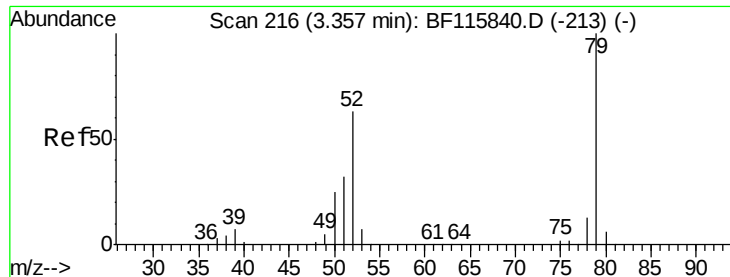


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 6.291 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.05 min

Lab File: BF115847.D

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Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

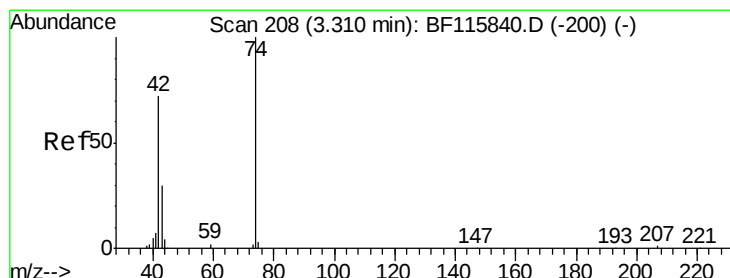
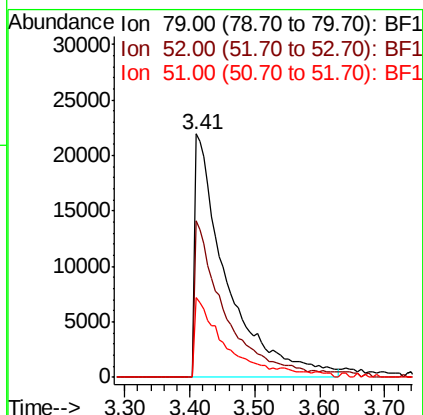
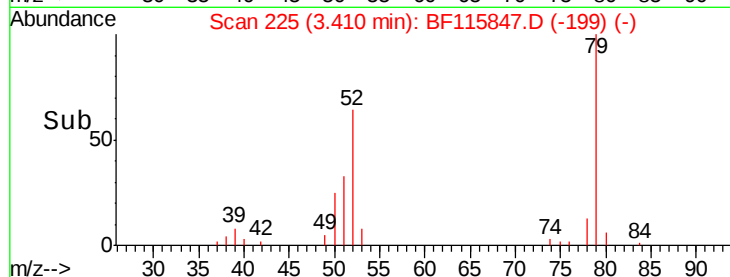
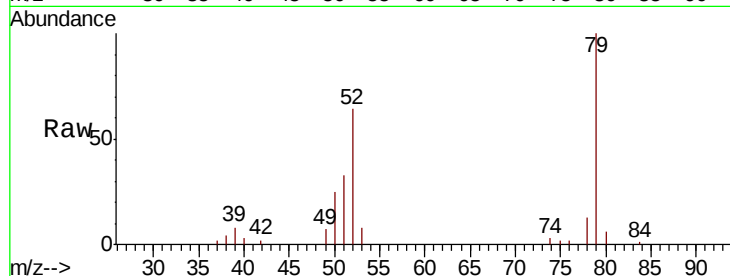
Tgt Ion: 79 Resp: 74496

Ion Ratio Lower Upper

79 100

52 64.3 50.2 75.4

51 32.7 25.8 38.6



#4

n-Nitrosodimethylamine

Concen: 7.580 ng

RT: 3.30 min Scan# 206

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

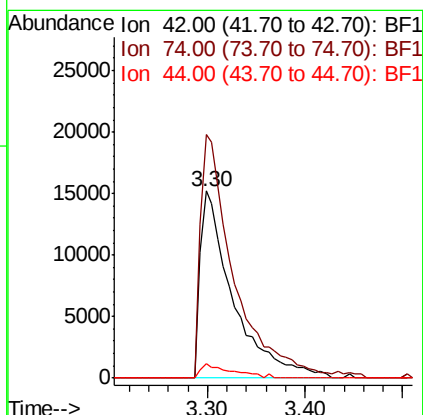
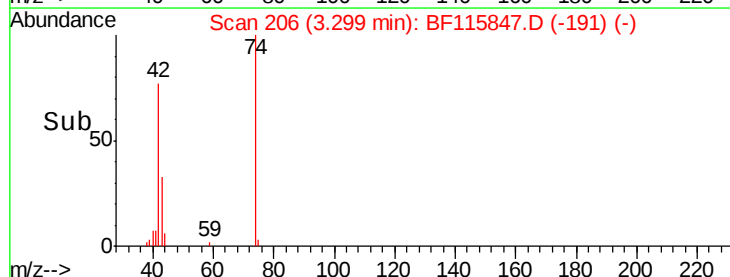
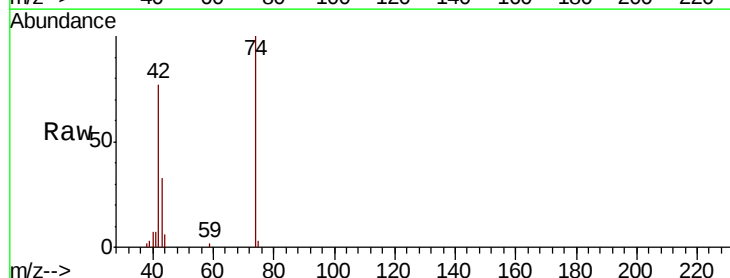
Tgt Ion: 42 Resp: 35423

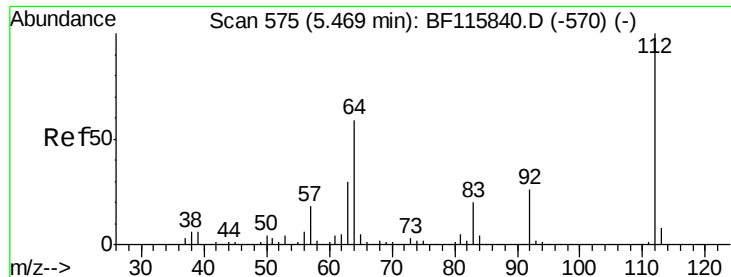
Ion Ratio Lower Upper

42 100

74 130.3 111.0 166.4

44 7.5 4.7 7.1#





#5

2-Fluorophenol

Concen: 100.404 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

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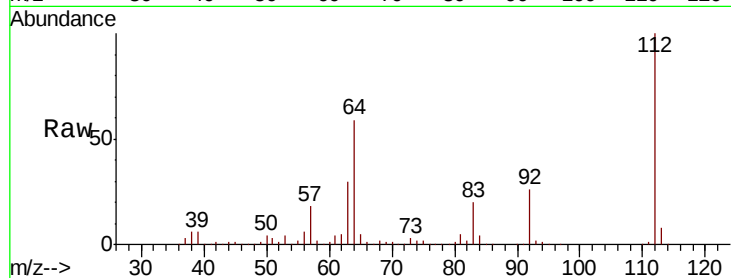
Tgt Ion: 112 Resp: 842491

Ion Ratio Lower Upper

112 100

64 59.1 46.8 70.2

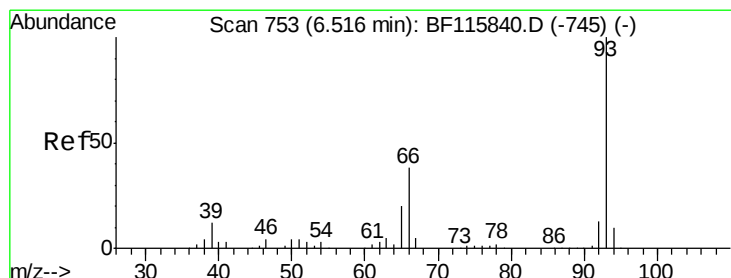
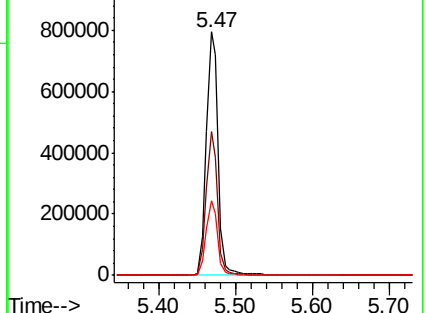
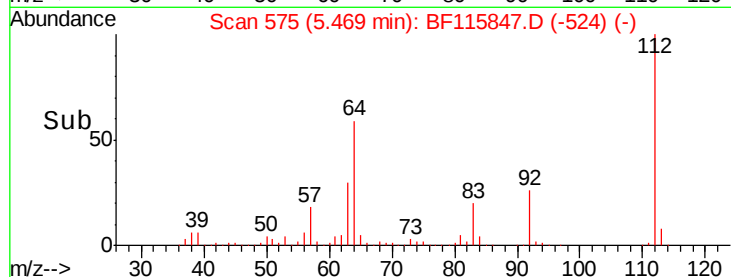
63 30.5 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.104 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

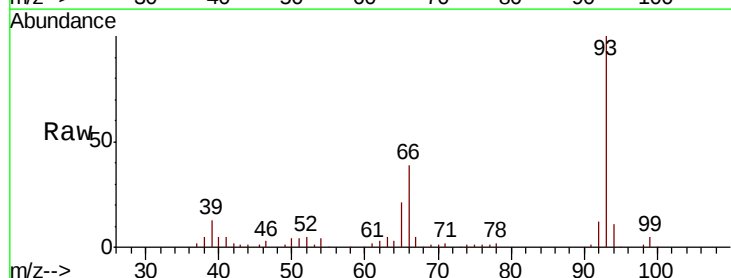
Tgt Ion: 93 Resp: 122869

Ion Ratio Lower Upper

93 100

66 39.1 31.4 47.0

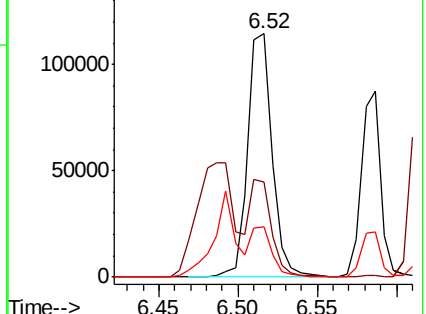
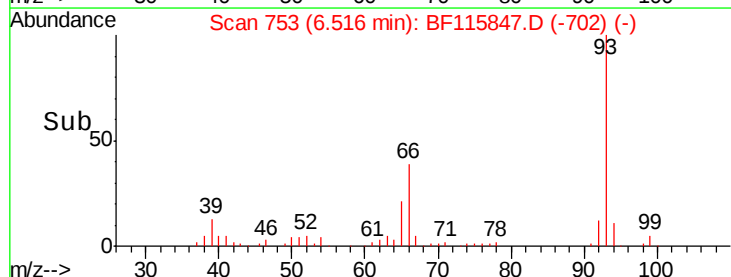
65 20.8 16.5 24.7



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: 99.506 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

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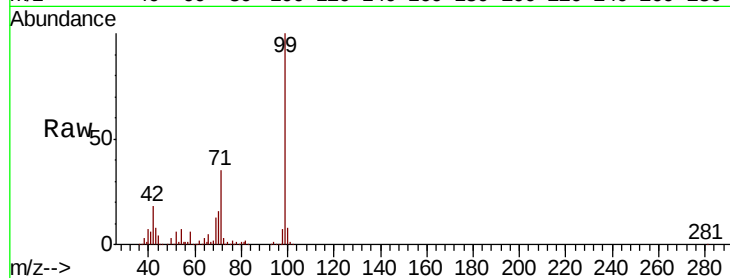
Tgt Ion: 99 Resp: 1053438

Ion Ratio Lower Upper

99 100

42 17.5 13.8 20.6

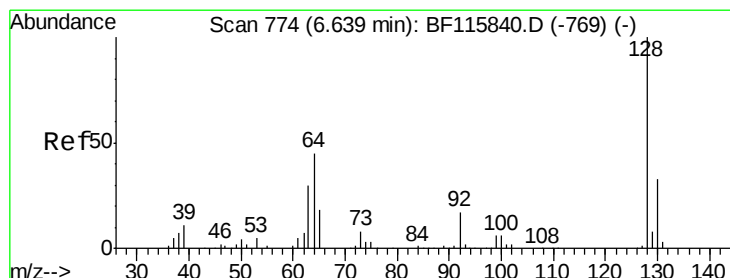
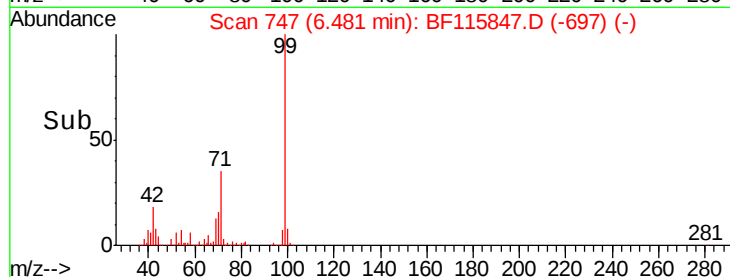
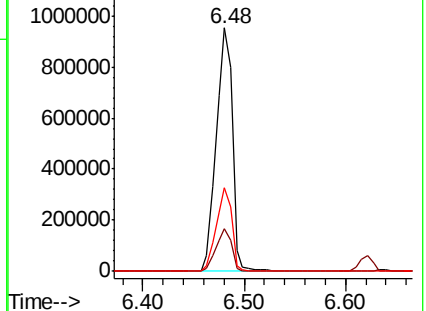
71 34.5 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 8.376 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

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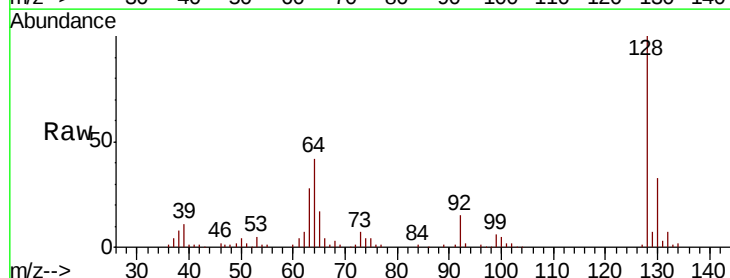
Tgt Ion: 128 Resp: 77716

Ion Ratio Lower Upper

128 100

130 32.7 12.9 52.9

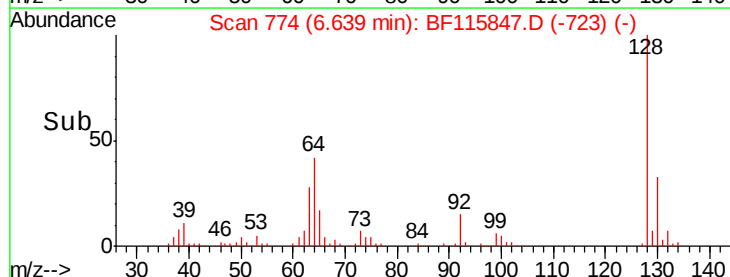
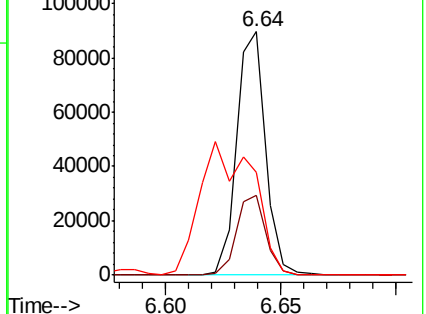
64 42.4 26.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 9.337 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

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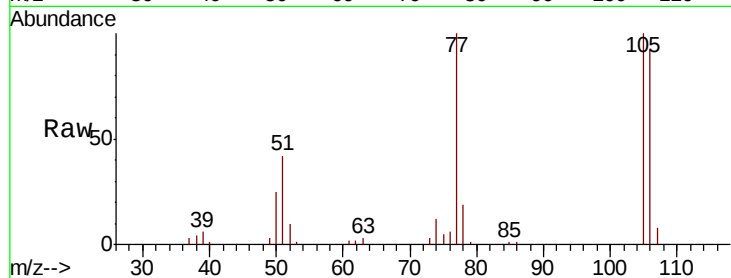
Tgt Ion: 77 Resp: 68204

Ion Ratio Lower Upper

77 100

105 100.0 79.0 119.0

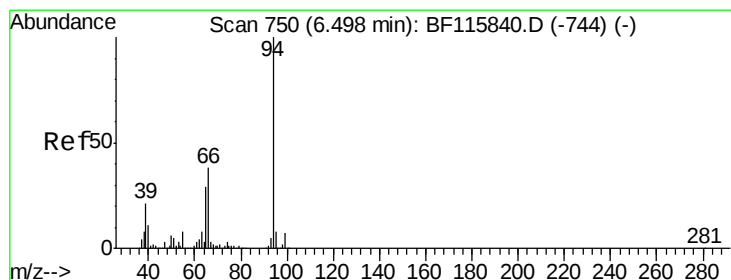
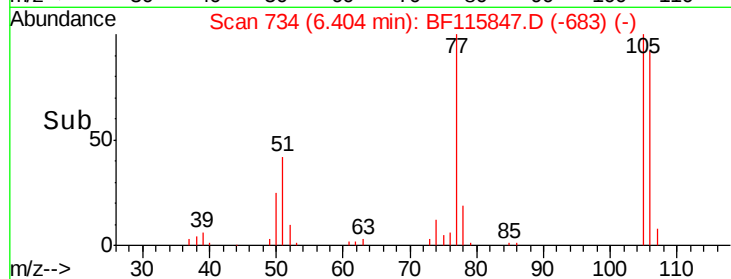
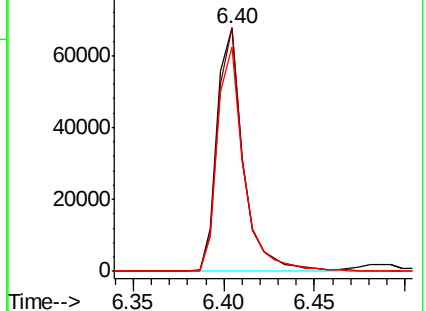
106 92.4 76.2 116.2



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 8.687 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

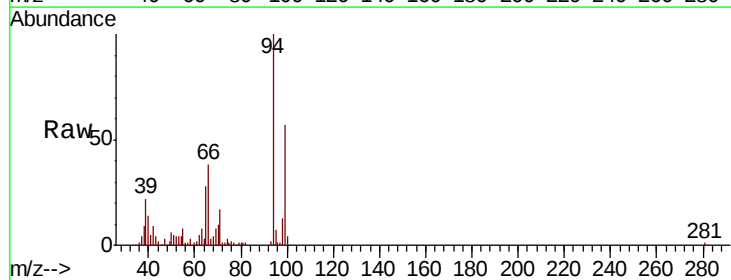
Tgt Ion: 94 Resp: 108297

Ion Ratio Lower Upper

94 100

65 28.3 8.9 48.9

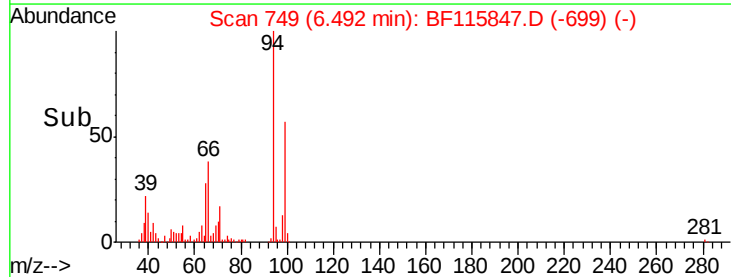
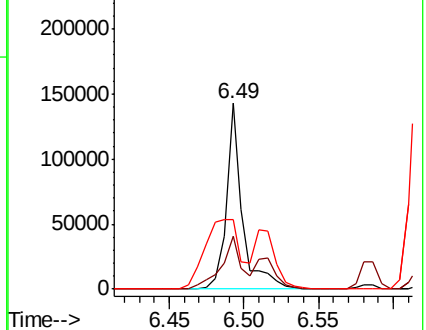
66 37.7 18.0 58.0



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

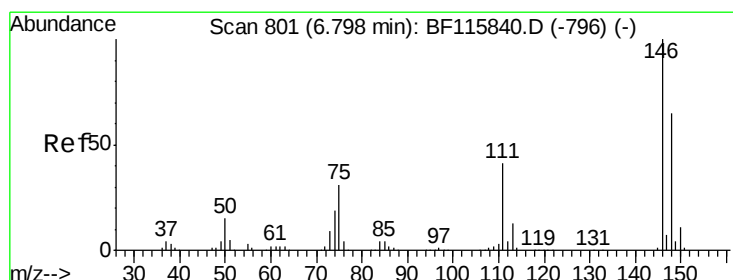
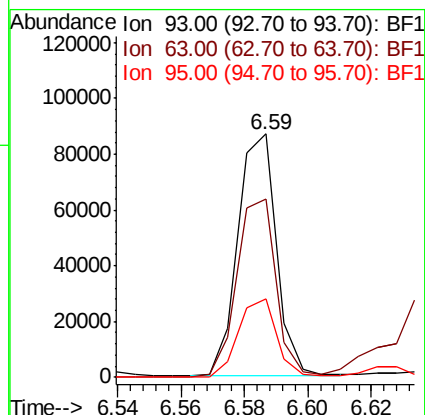
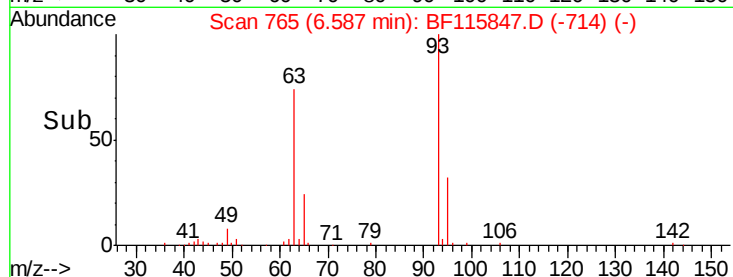
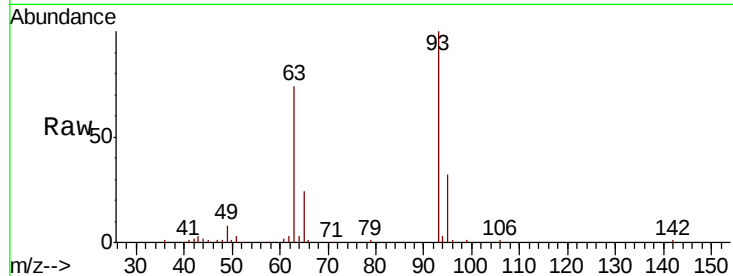




#11
bis(2-Chloroethyl)ether
Concen: 8.000 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

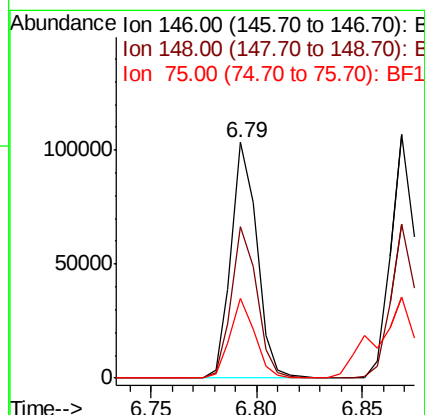
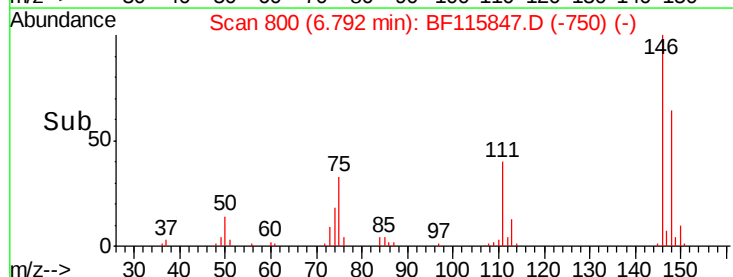
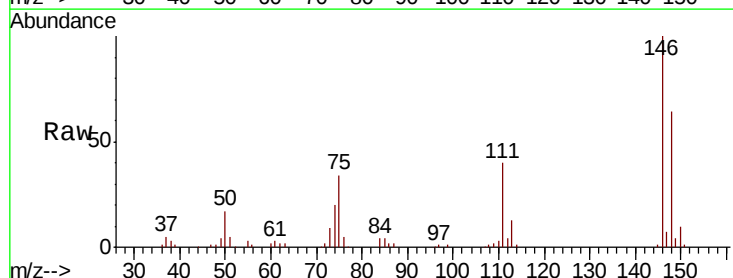
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

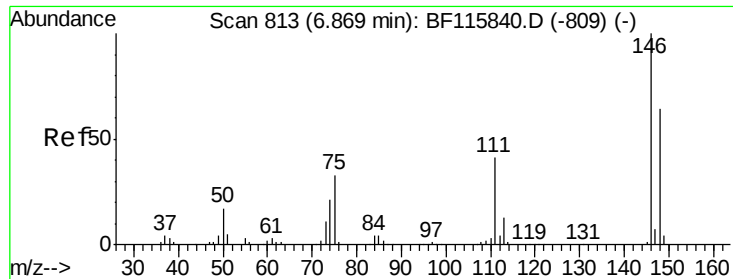
Tgt Ion: 93 Resp: 73328
Ion Ratio Lower Upper
93 100
63 73.5 54.9 94.9
95 32.3 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 8.141 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 146 Resp: 87298
Ion Ratio Lower Upper
146 100
148 64.1 52.1 78.1
75 33.6 25.0 37.6

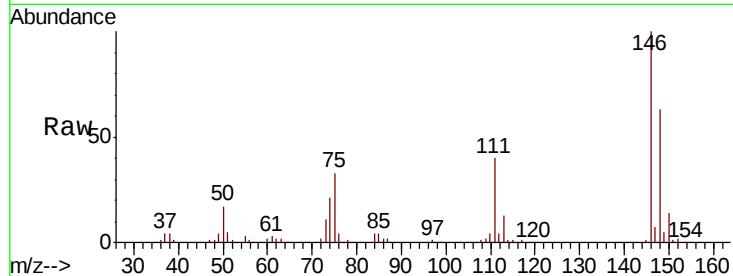




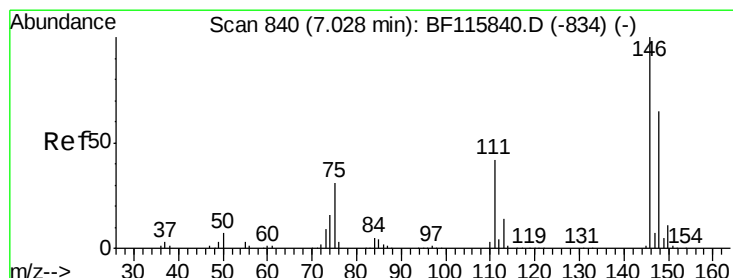
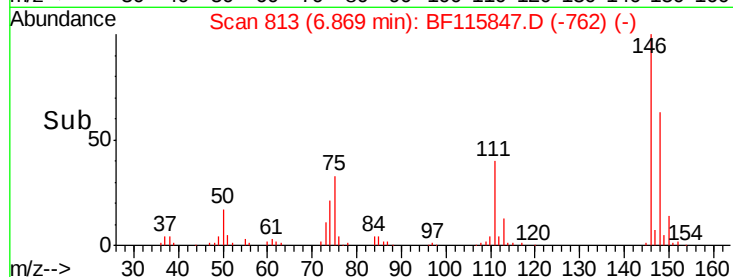
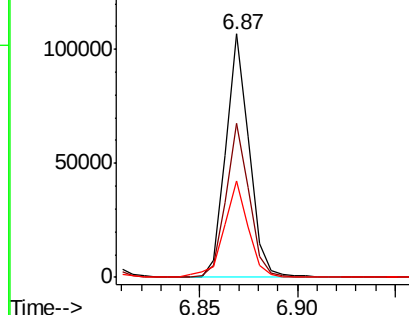
#13
 1,4-Dichlorobenzene
 Concen: 8.242 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

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

Tgt Ion:146 Resp: 88496
 Ion Ratio Lower Upper
 146 100
 148 63.2 51.2 76.8
 111 39.7 33.2 49.8

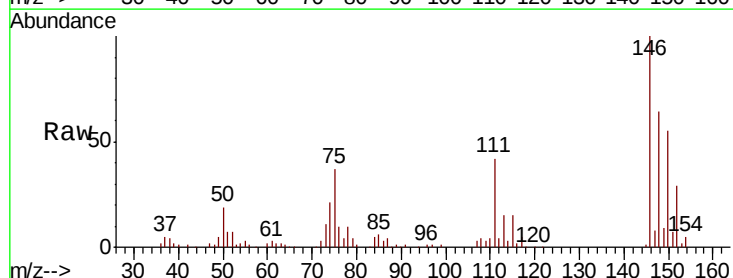


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

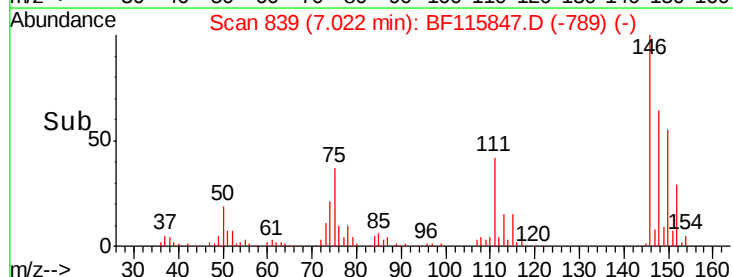
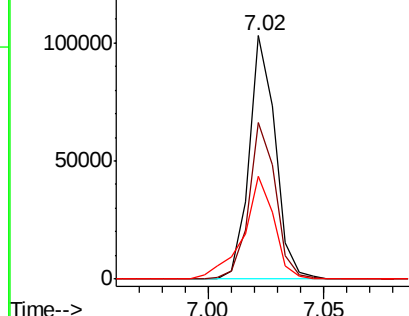


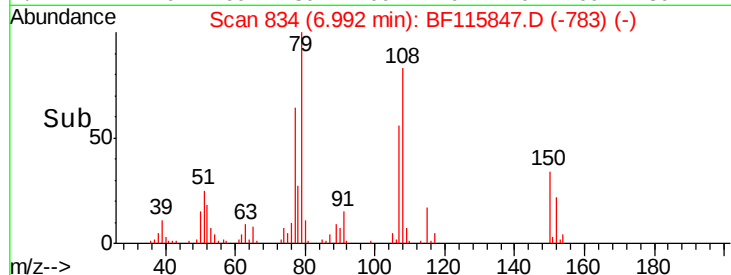
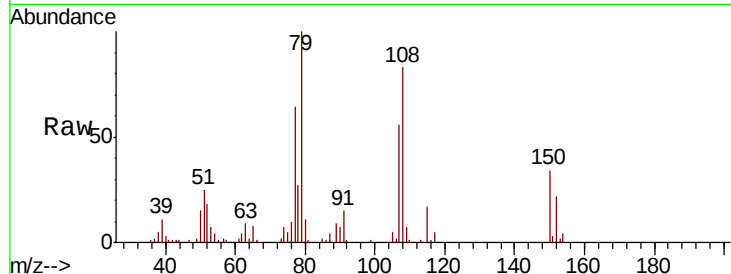
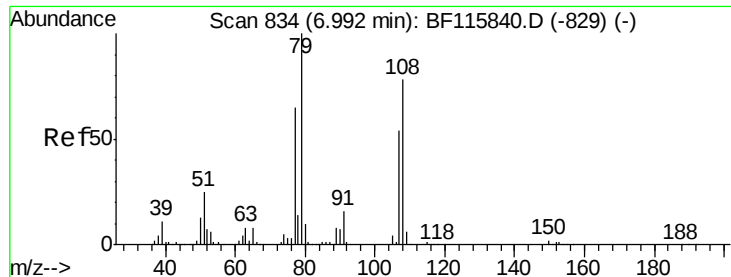
#14
 1,2-Dichlorobenzene
 Concen: 8.275 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:146 Resp: 81809
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.6 77.4
 111 42.4 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: 9.164 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

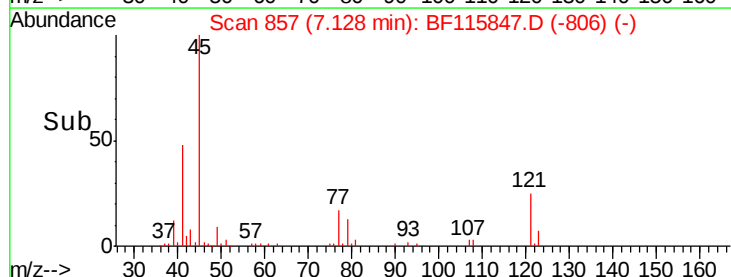
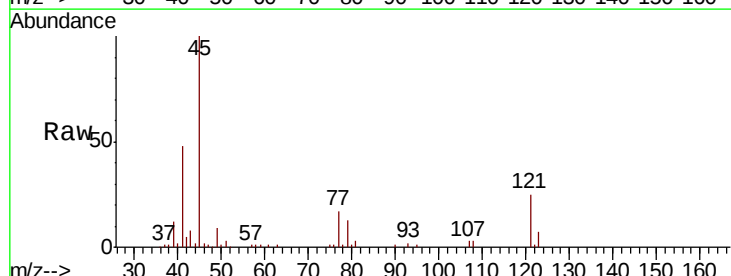
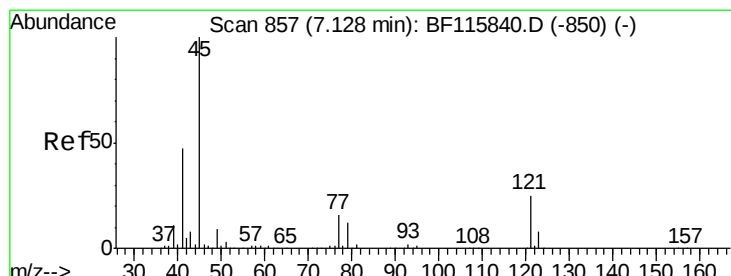
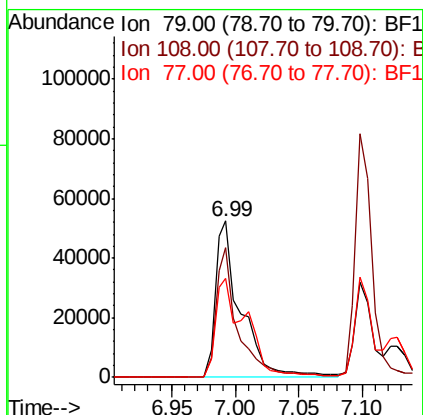
Tgt Ion: 79 Resp: 73627

Ion Ratio Lower Upper

79 100

108 83.2 62.8 94.2

77 63.7 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.906 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

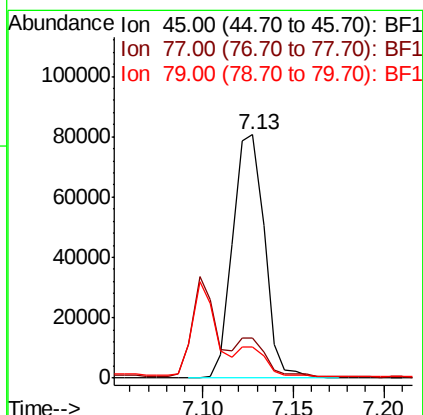
Tgt Ion: 45 Resp: 98848

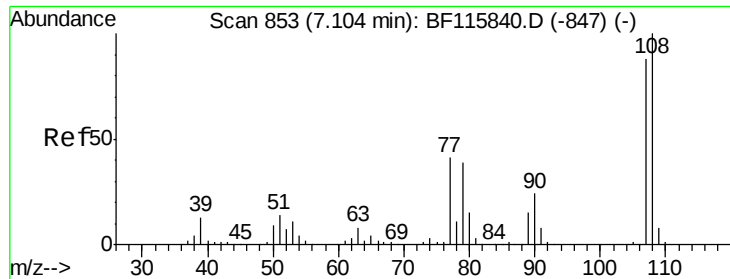
Ion Ratio Lower Upper

45 100

77 16.7 0.0 36.3

79 12.7 0.0 32.5

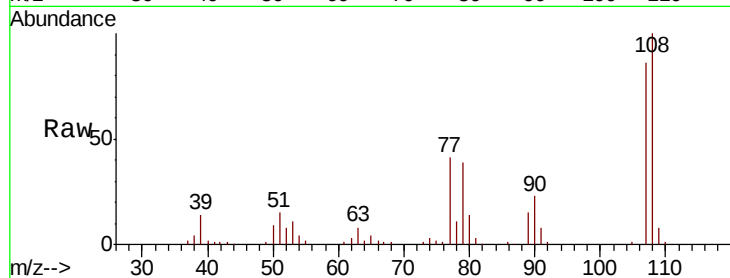




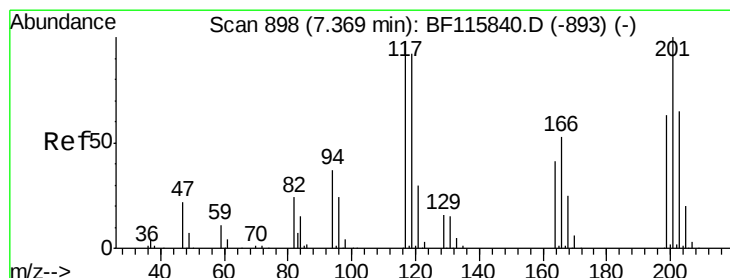
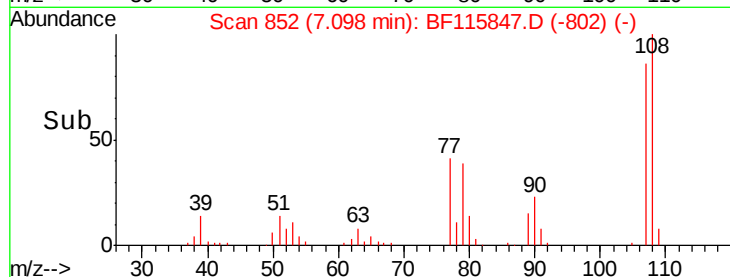
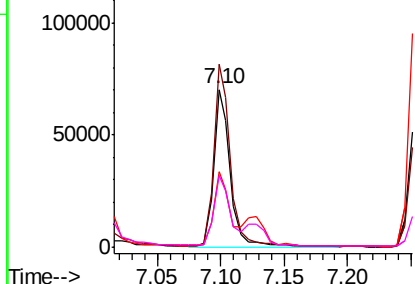
#17
2-Methylphenol
Concen: 8.366 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion:107 Resp: 65730
Ion Ratio Lower Upper
107 100
108 116.3 91.4 137.0
77 47.9 37.6 56.4
79 45.5 36.2 54.4

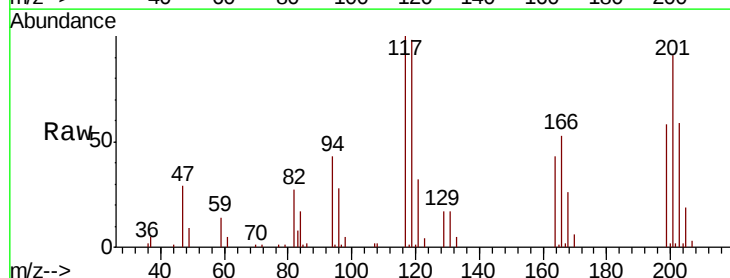


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

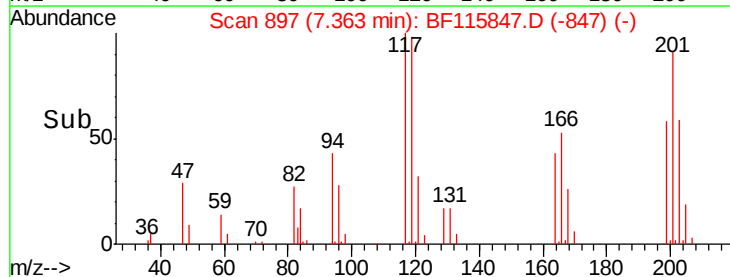
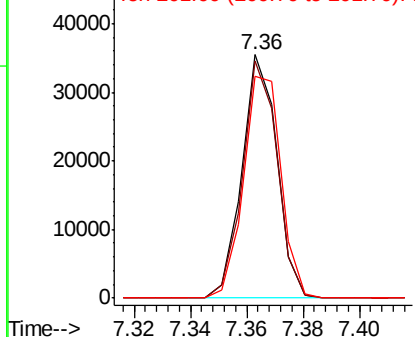


#18
Hexachloroethane
Concen: 7.710 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:117 Resp: 30477
Ion Ratio Lower Upper
117 100
119 97.5 75.8 113.6
201 93.4 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

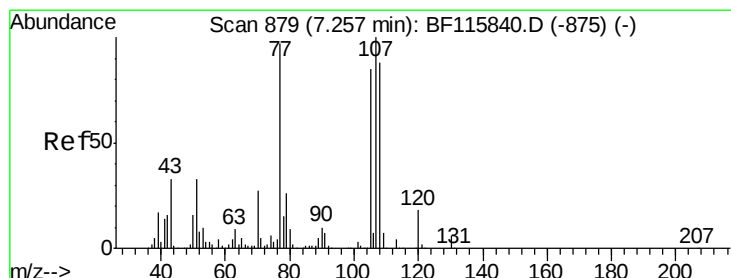
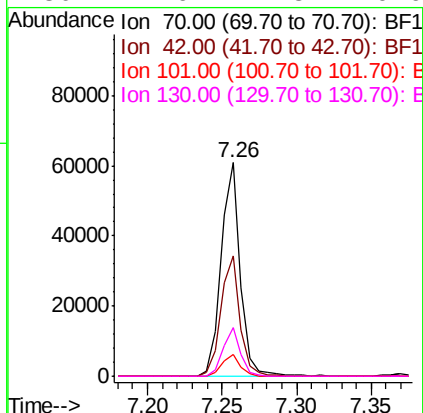
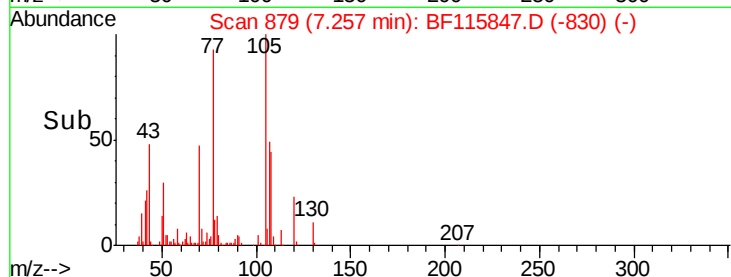
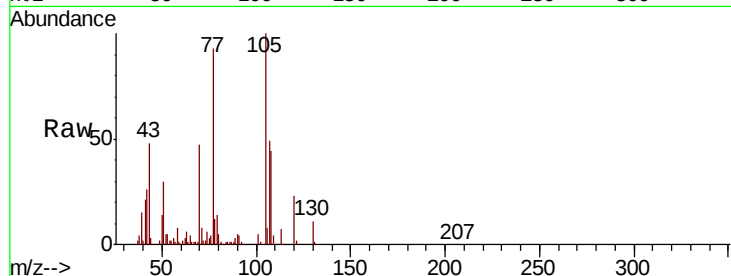




#19
n-Nitroso-di-n-propylamine
Concen: 8.406 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

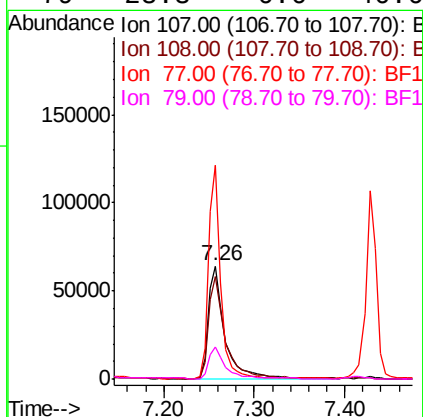
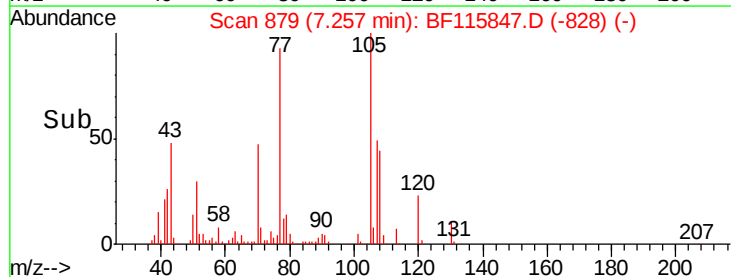
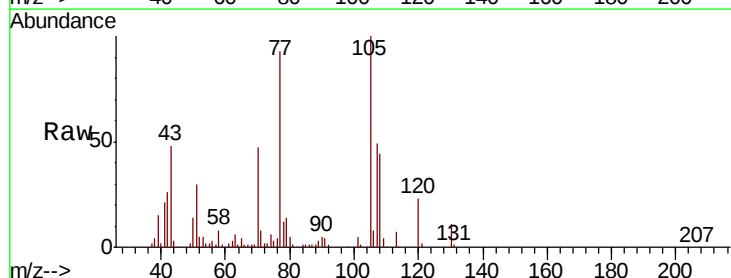
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

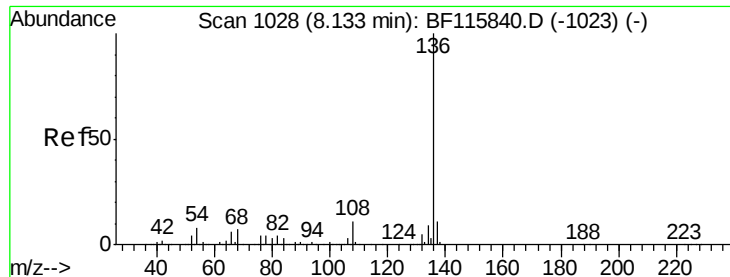
Tgt Ion: 70 Resp: 55149
Ion Ratio Lower Upper
70 100
42 56.1 41.8 62.8
101 10.0 7.7 11.5
130 22.6 17.8 26.6



#20
3+4-Methylphenols
Concen: 9.076 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 107 Resp: 84386
Ion Ratio Lower Upper
107 100
108 90.4 67.9 107.9
77 188.6 77.3 117.3#
79 28.3 6.6 46.6

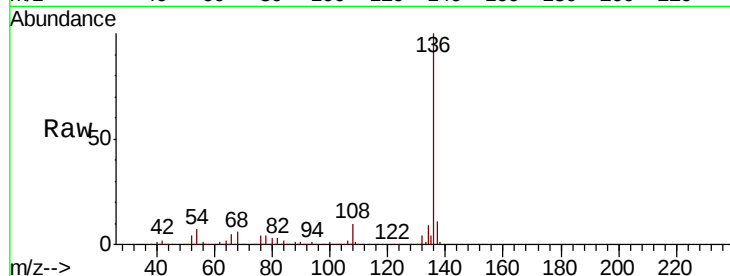




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion:	136	Resp:	564633
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.5	6.1	9.1
68	5.7	5.4	8.2



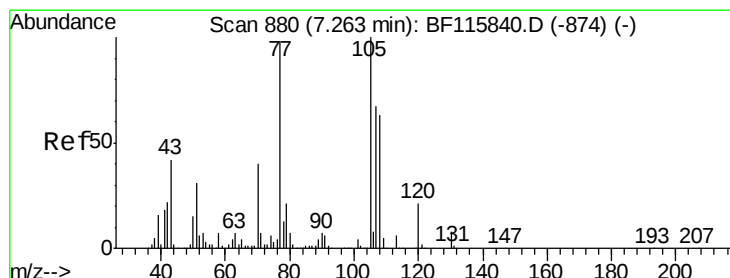
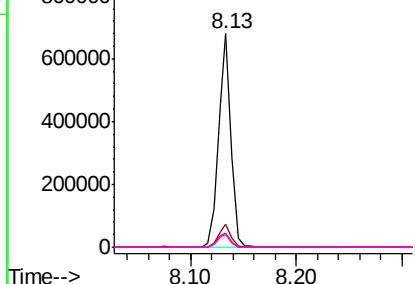
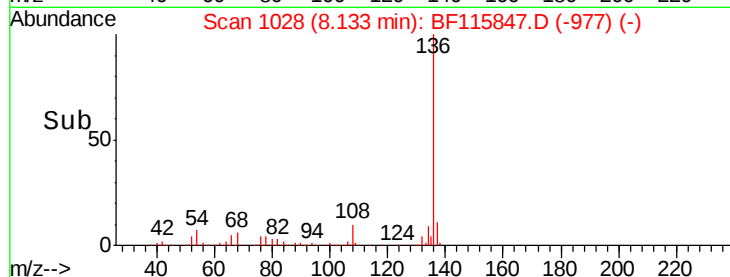
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

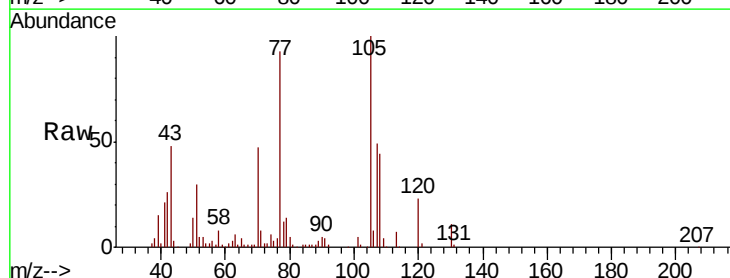
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 9.056 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:	105	Resp:	112146
Ion	Ratio	Lower	Upper
105	100		
71	8.1	5.4	8.0#
51	29.5	24.6	36.8
120	22.6	17.0	25.6



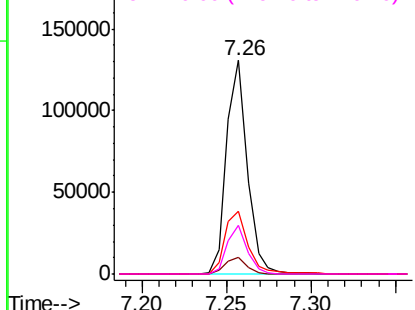
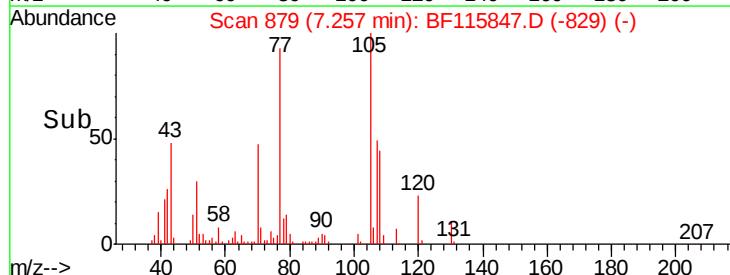
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

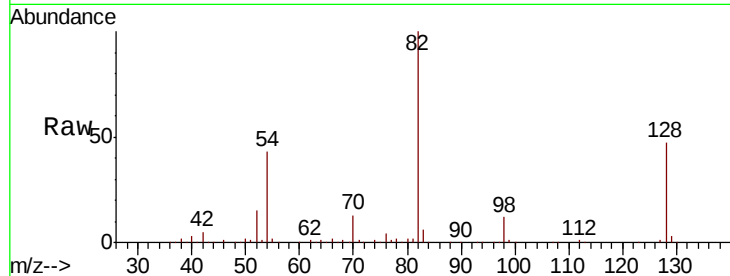




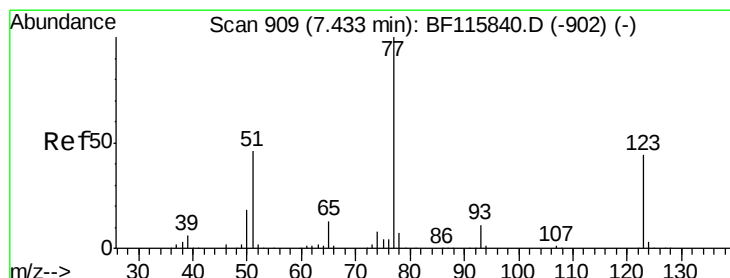
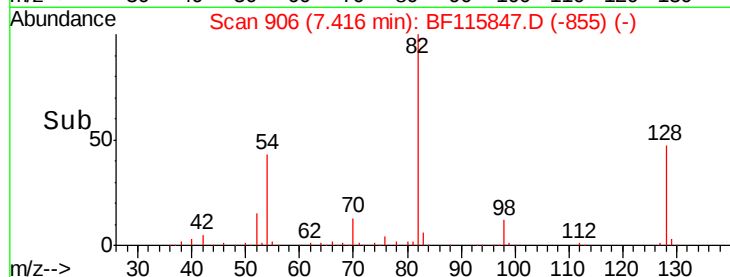
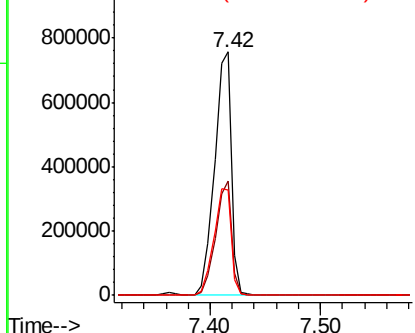
#23
 Nitrobenzene-d5
 Concen: 80.918 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

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

Tgt Ion: 82 Resp: 791521
 Ion Ratio Lower Upper
 82 100
 128 47.2 36.6 55.0
 54 43.2 36.6 55.0

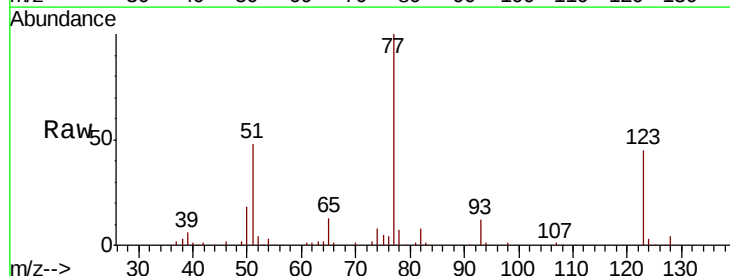


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

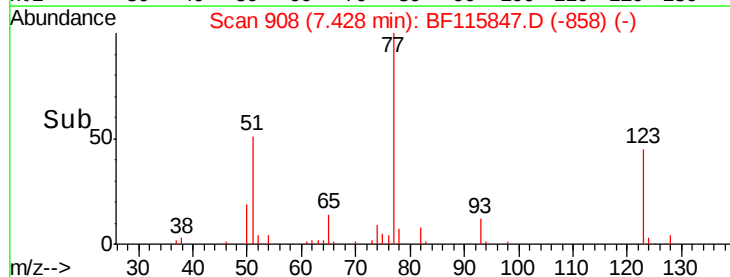
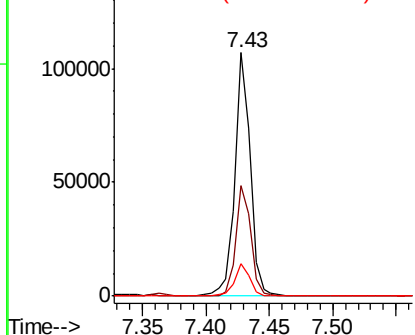


#24
 Nitrobenzene
 Concen: 8.494 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion: 77 Resp: 89716
 Ion Ratio Lower Upper
 77 100
 123 45.4 35.5 53.3
 65 13.1 10.6 15.8



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





#25

Isophorone

Concen: 8.018 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

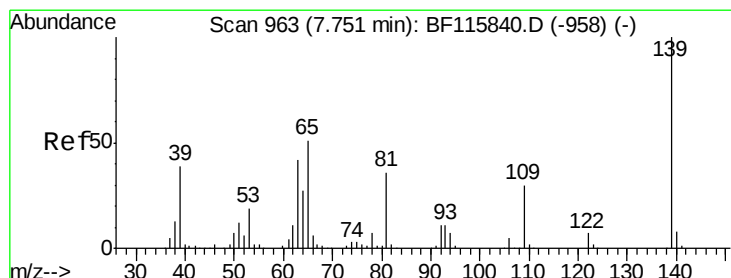
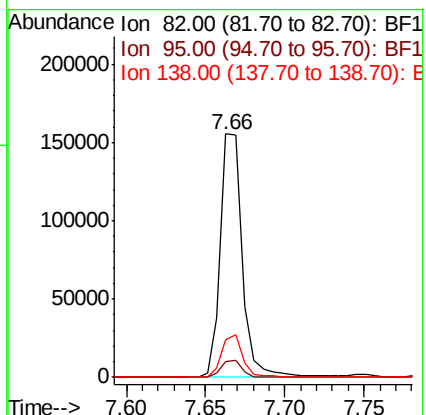
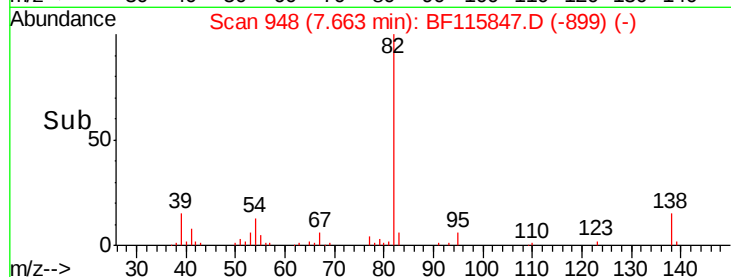
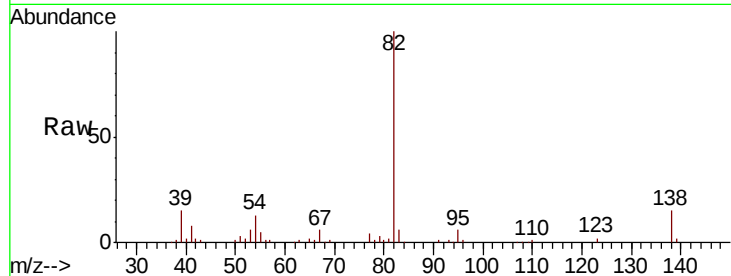
Tgt Ion: 82 Resp: 149961

Ion Ratio Lower Upper

82 100

95 6.3 5.5 8.3

138 15.3 13.9 20.9



#26

2-Nitrophenol

Concen: 7.649 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

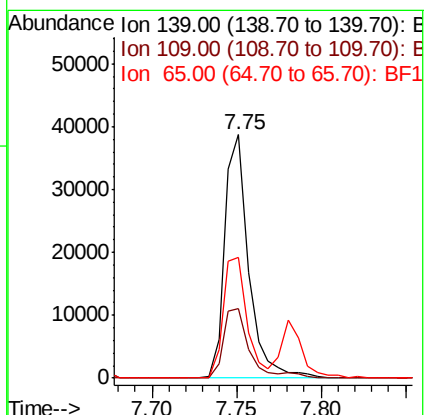
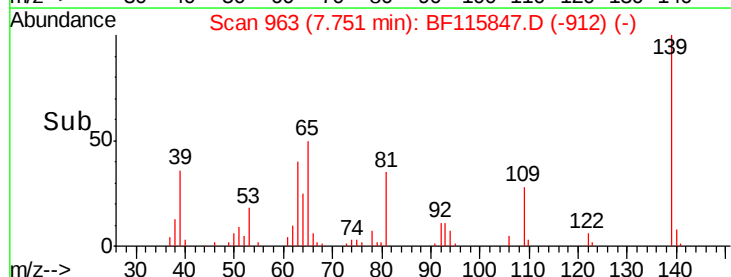
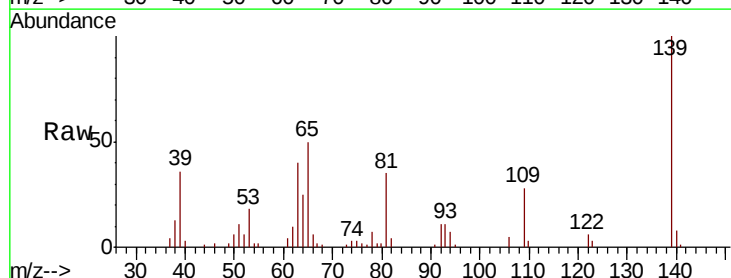
Tgt Ion: 139 Resp: 38080

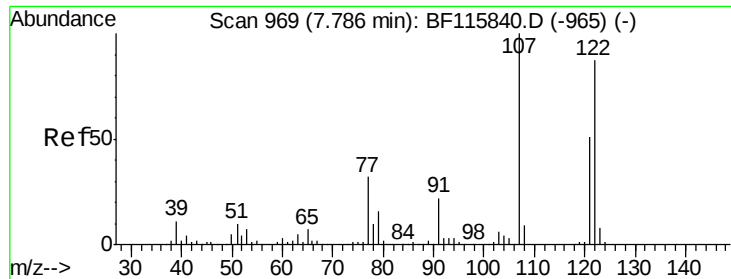
Ion Ratio Lower Upper

139 100

109 28.3 23.6 35.4

65 49.7 40.6 60.8

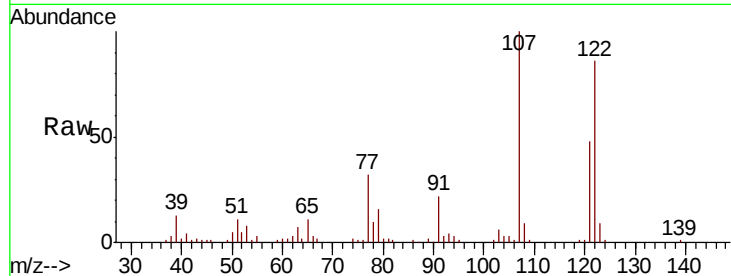




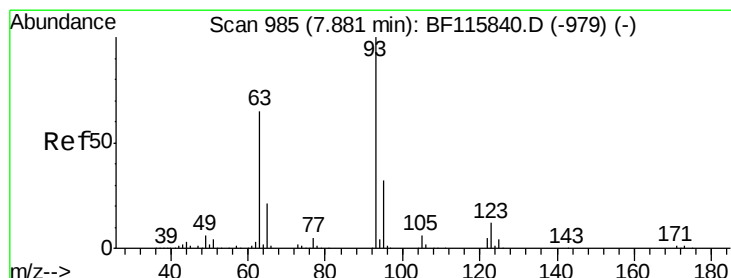
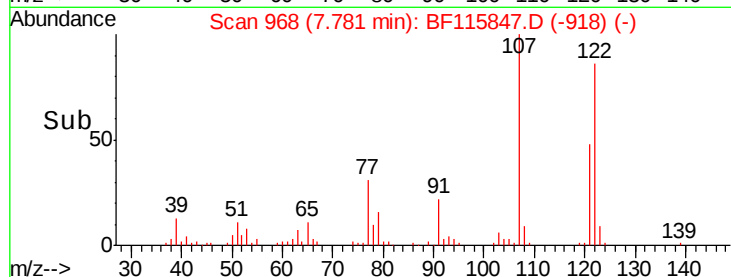
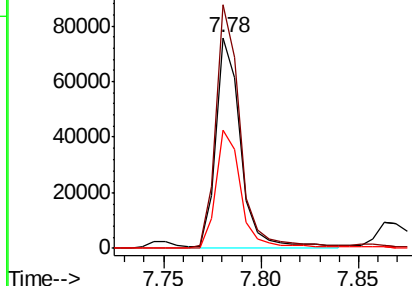
#27
2,4-Dimethylphenol
Concen: 8.868 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion: 122 Resp: 66425
Ion Ratio Lower Upper
122 100
107 115.6 91.7 137.5
121 55.9 46.6 70.0

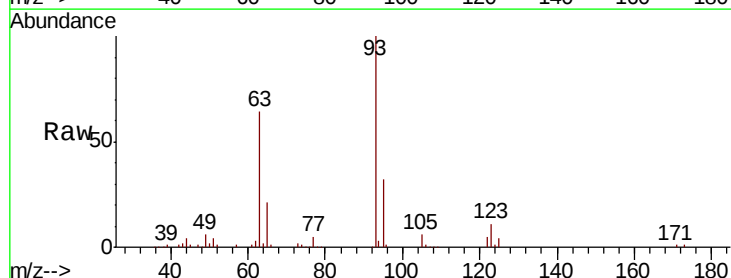


Abundance Ion 122.00 (121.70 to 122.70): E
120000
Ion 107.00 (106.70 to 107.70): E
100000
Ion 121.00 (120.70 to 121.70): E

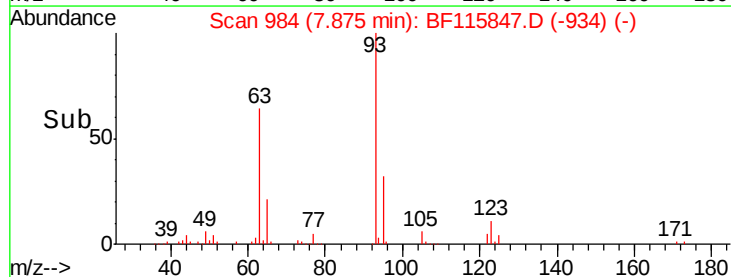
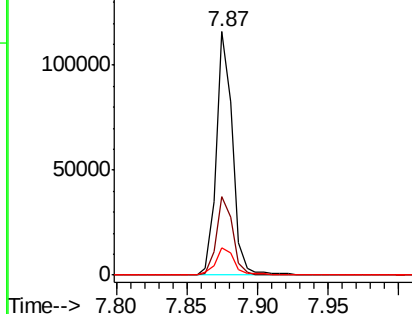


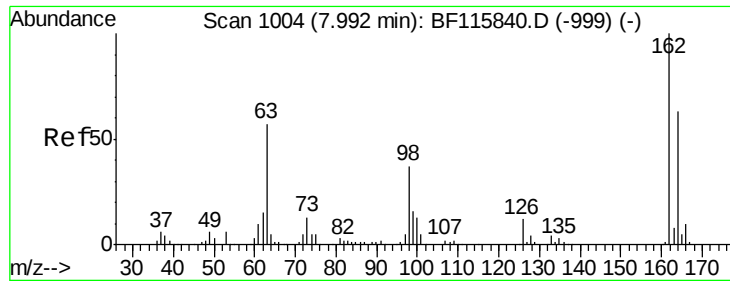
#28
bis(2-Chloroethoxy)methane
Concen: 7.993 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 93 Resp: 92669
Ion Ratio Lower Upper
93 100
95 32.2 26.0 39.0
123 11.2 9.5 14.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
150000
Ion 95.00 (94.70 to 95.70): BF1
100000
Ion 123.00 (122.70 to 123.70): E

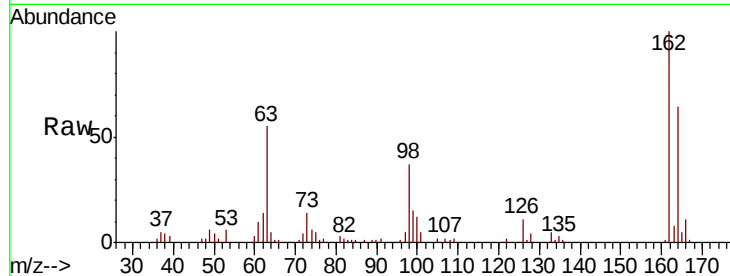




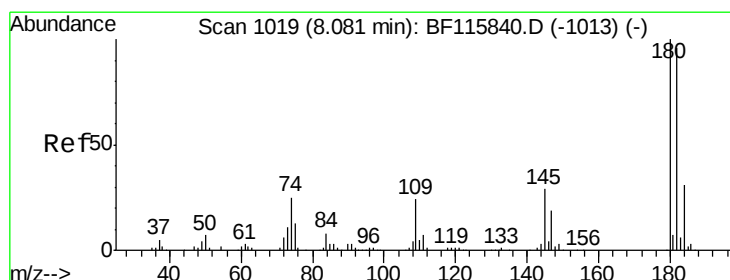
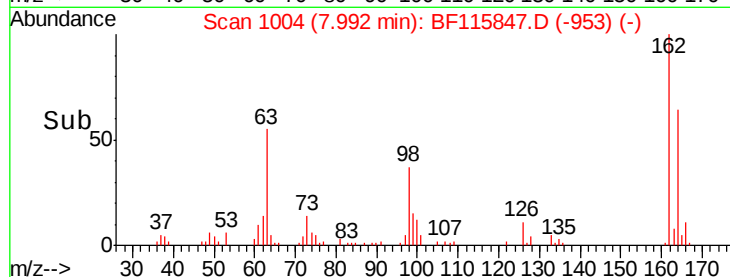
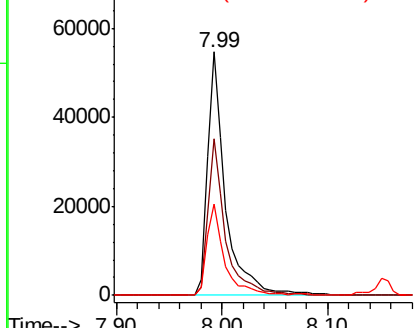
#29
2,4-Dichlorophenol
Concen: 8.146 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion:162 Resp: 64423
Ion Ratio Lower Upper
162 100
164 64.4 43.2 83.2
98 37.5 17.3 57.3

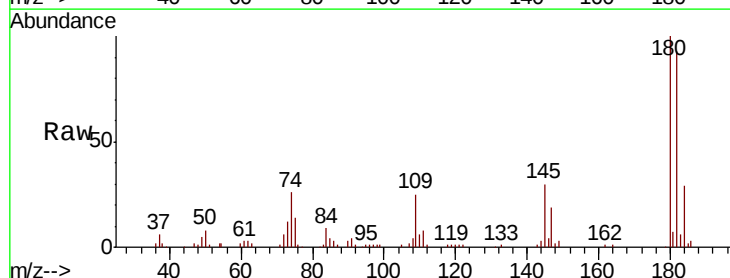


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

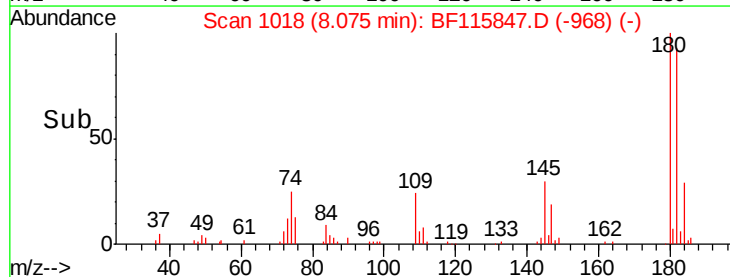
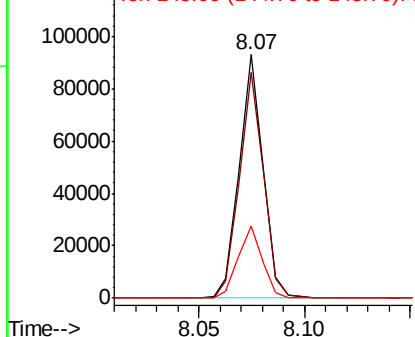


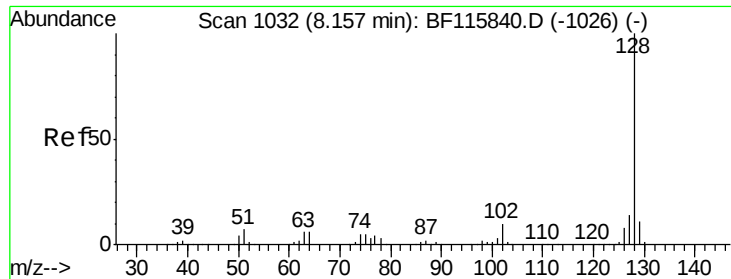
#30
1,2,4-Trichlorobenzene
Concen: 8.010 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:180 Resp: 72215
Ion Ratio Lower Upper
180 100
182 92.8 76.6 114.8
145 29.7 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

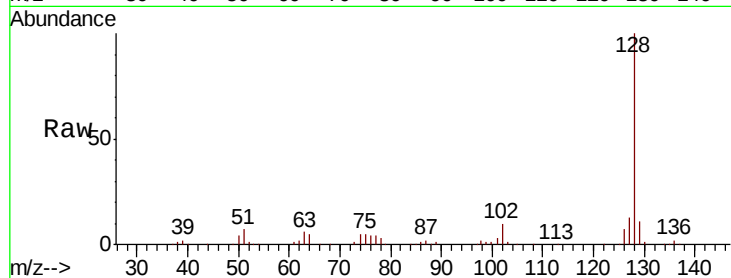




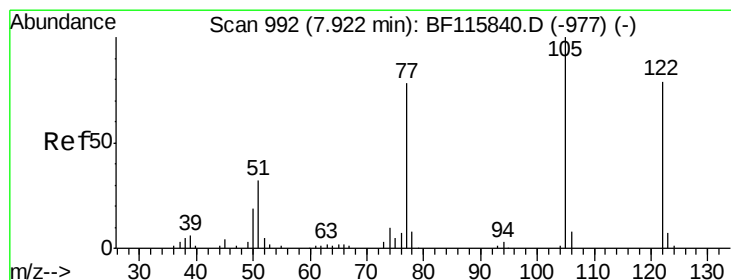
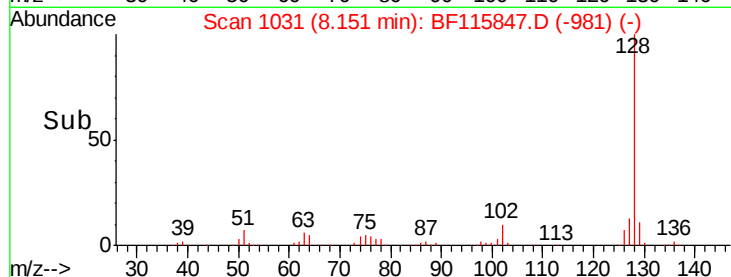
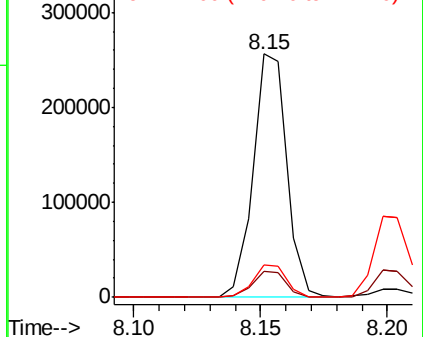
#31
Naphthalene
Concen: 8.935 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion:128 Resp: 237403
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.2 11.0 16.4

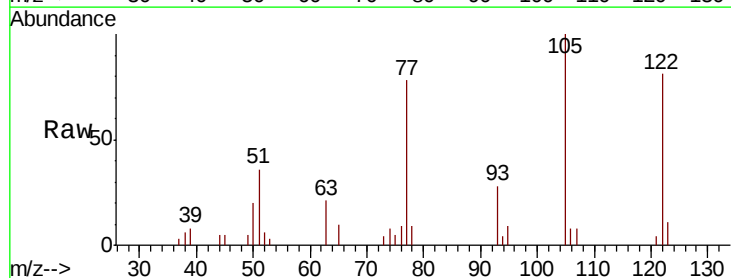


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

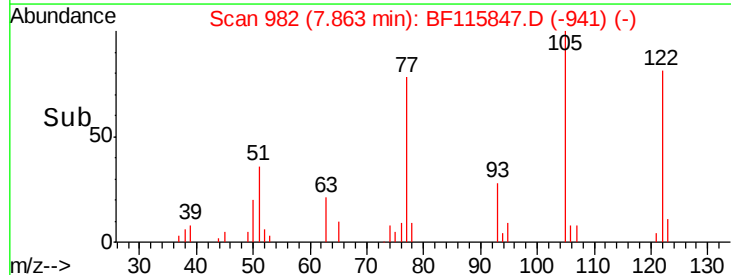
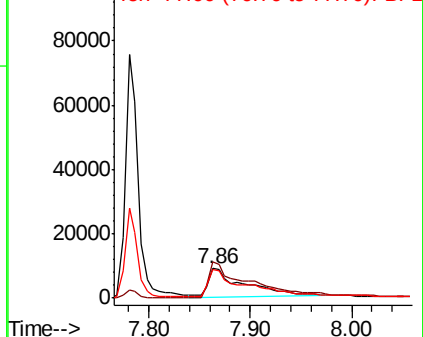


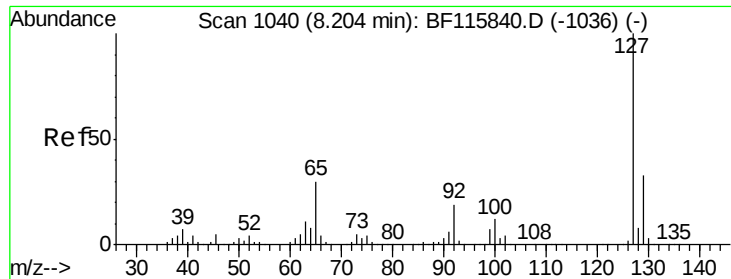
#32
Benzoic acid
Concen: 4.240 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.06 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:122 Resp: 22390
Ion Ratio Lower Upper
122 100
105 123.9 103.1 143.1
77 97.1 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

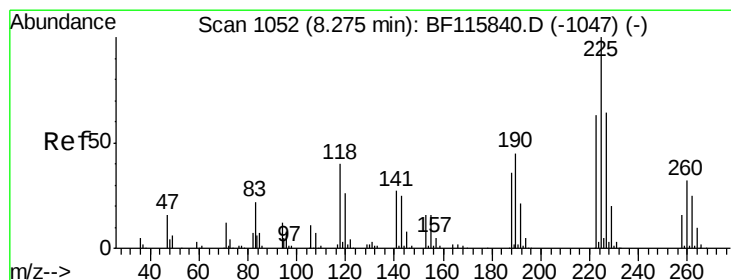
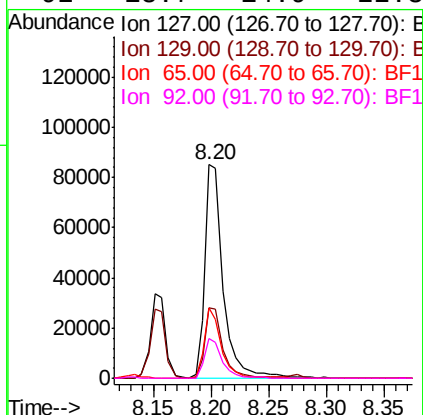
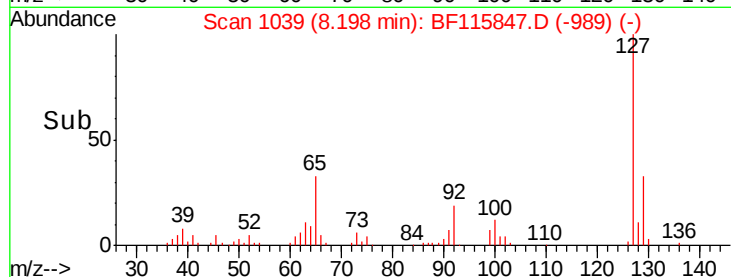
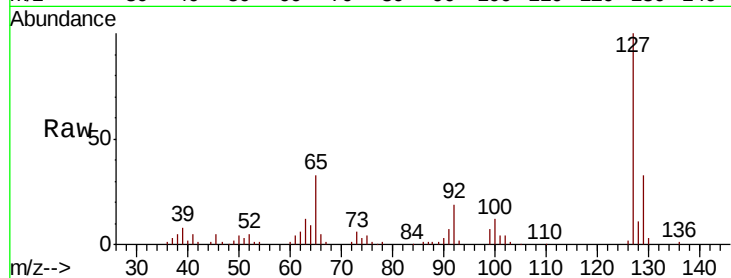




#33
4-Chloroaniline
Concen: 8.023 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

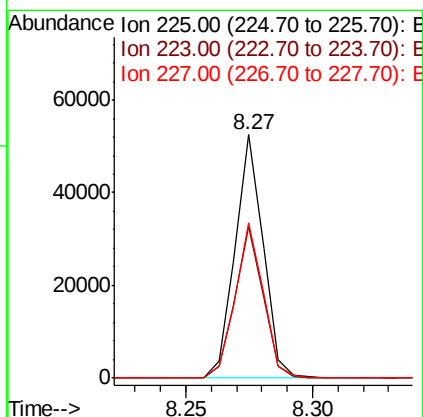
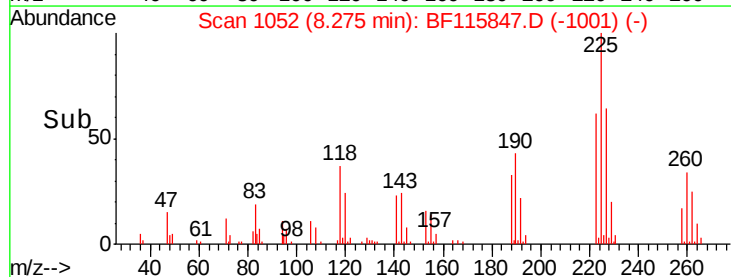
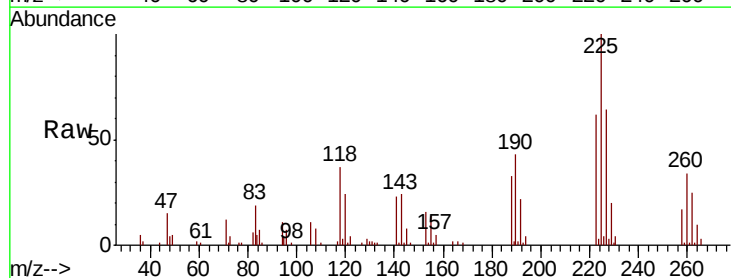
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tgt Ion:	127	Resp:	95247
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.0	39.0
65	33.0	23.9	35.9
92	18.7	14.9	22.3



#34
Hexachlorobutadiene
Concen: 7.754 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:	225	Resp:	40264
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.4	75.6
227	63.8	51.6	77.4

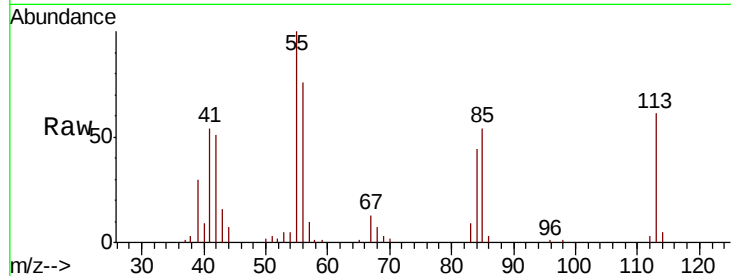




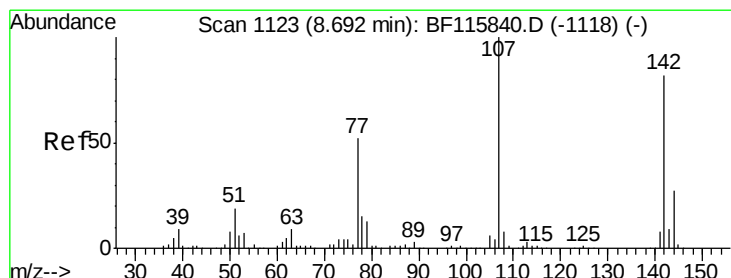
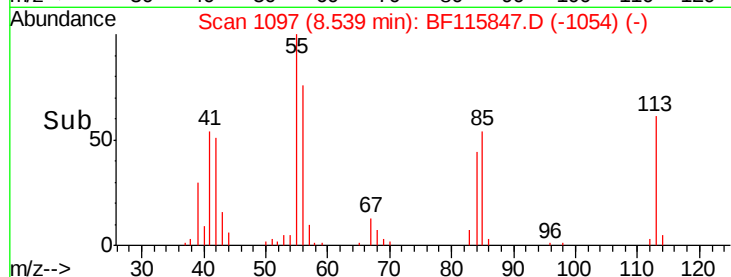
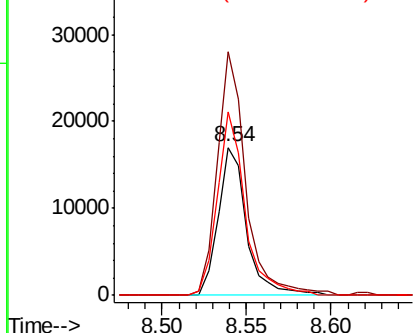
#35
 Caprolactam
 Concen: 7.775 ng
 RT: 8.54 min Scan# 1097
 Delta R.T. -0.05 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

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

Tgt Ion:113 Resp: 19887
 Ion Ratio Lower Upper
 113 100
 55 164.5 138.1 178.1
 56 124.3 100.6 140.6

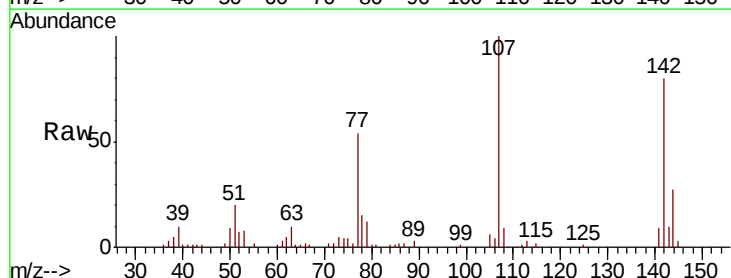


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

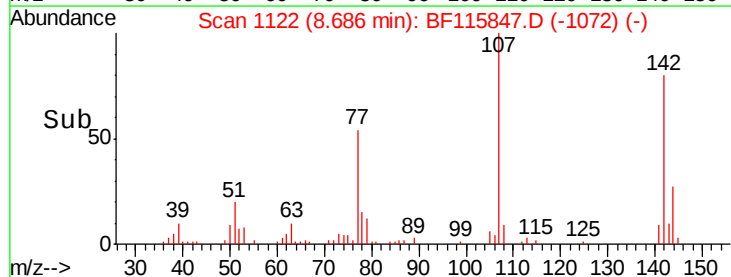
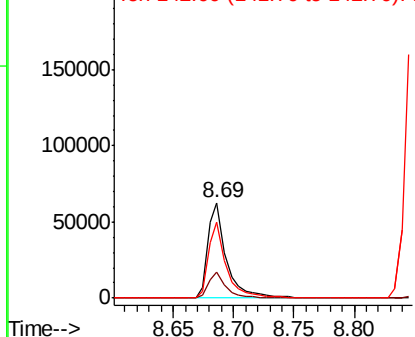


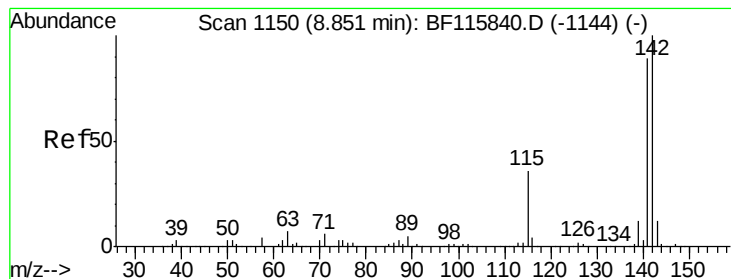
#36
 4-Chloro-3-methylphenol
 Concen: 8.048 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:107 Resp: 66221
 Ion Ratio Lower Upper
 107 100
 144 27.0 21.4 32.0
 142 80.4 65.5 98.3



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





#37

2-Methylnaphthalene

Concen: 8.967 ng

RT: 8.85 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

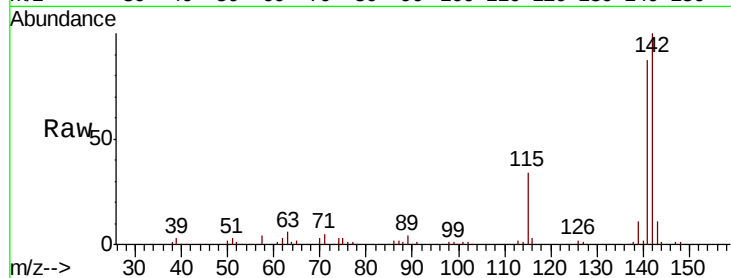
Tgt Ion:142 Resp: 156905

Ion Ratio Lower Upper

142 100

141 87.2 71.4 107.2

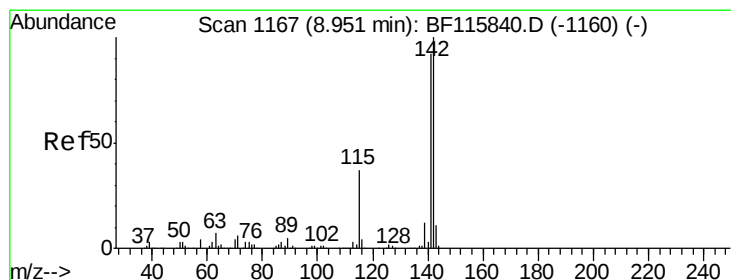
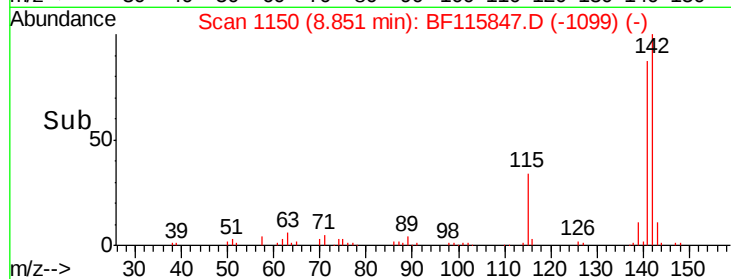
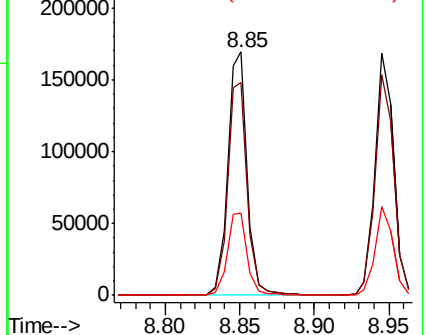
115 33.7 28.9 43.3



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: 8.810 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

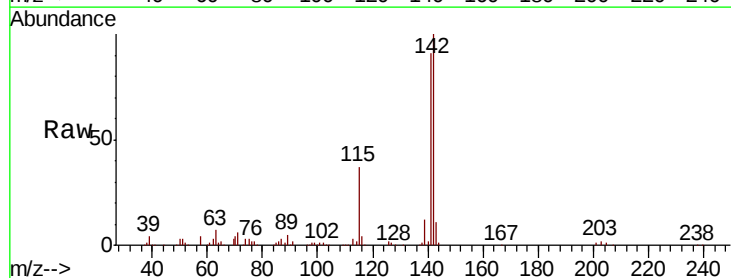
Tgt Ion:142 Resp: 145845

Ion Ratio Lower Upper

142 100

141 90.8 73.8 110.6

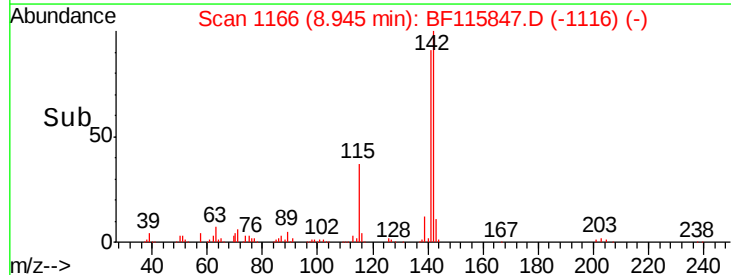
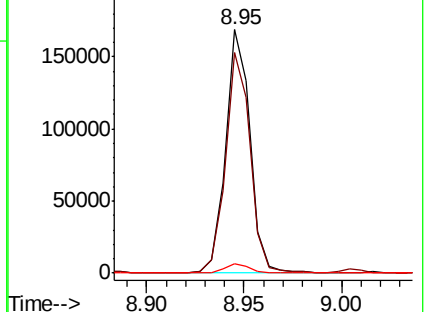
116 3.8 3.1 4.7



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: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

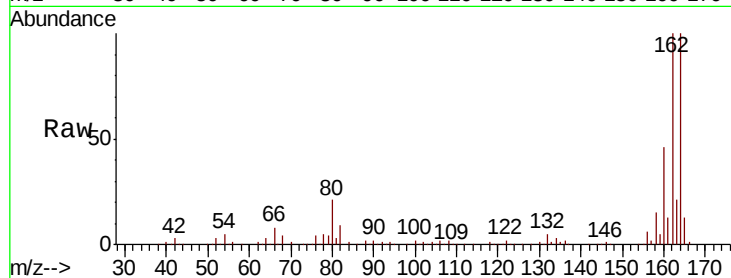
Tgt Ion:164 Resp: 298134

Ion Ratio Lower Upper

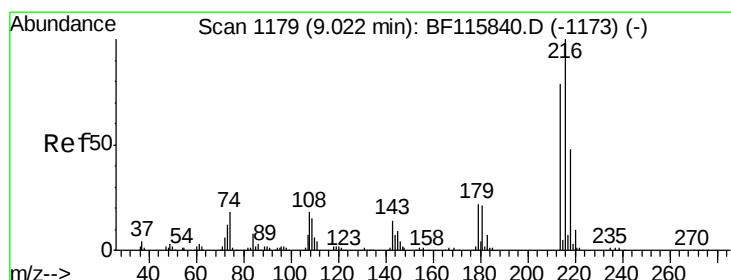
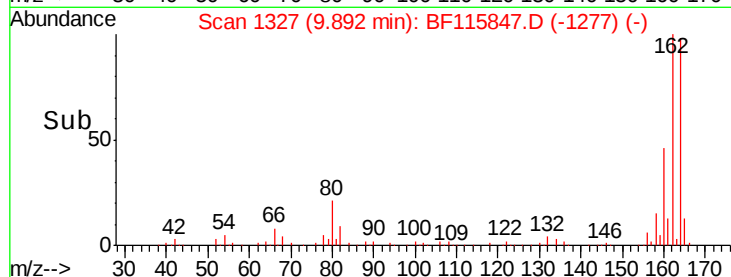
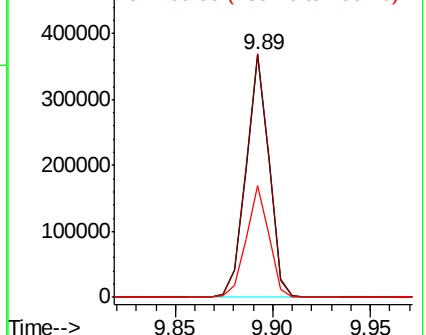
164 100

162 100.3 80.8 121.2

160 45.9 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: 8.620 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Tgt Ion:216 Resp: 68708

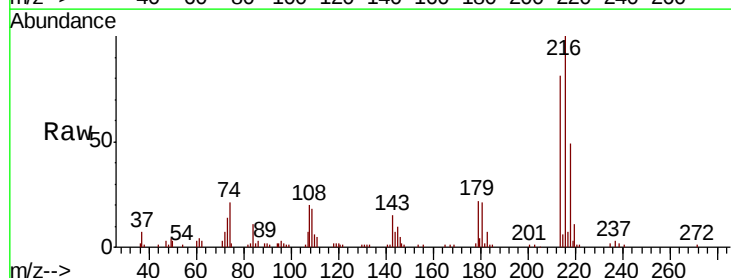
Ion Ratio Lower Upper

216 100

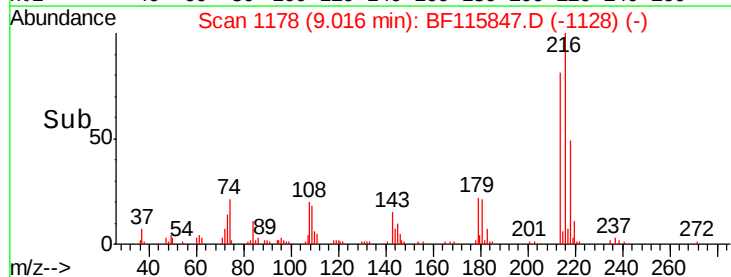
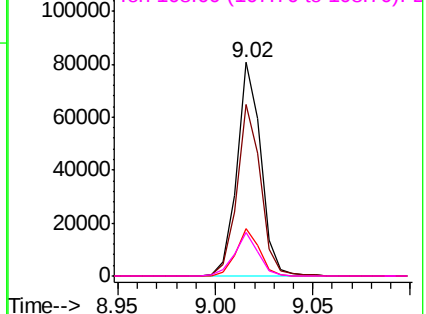
214 78.9 62.8 94.2

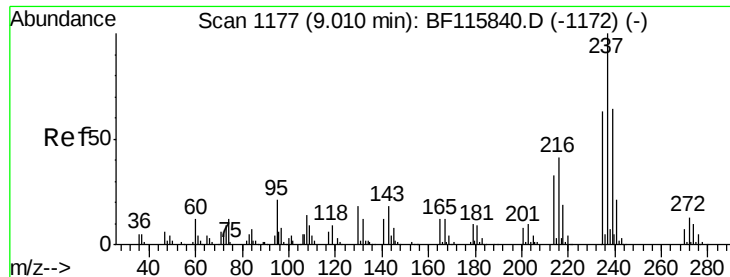
179 21.2 17.6 26.4

108 19.7 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: 4.551 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

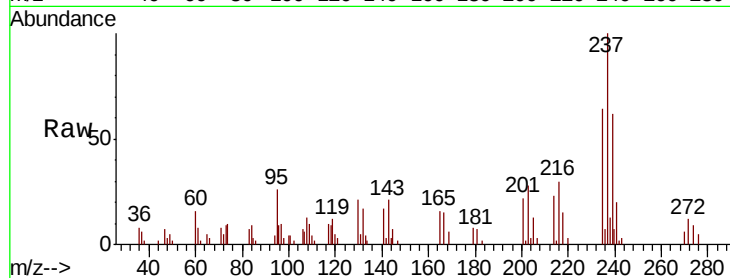
Tgt Ion: 237 Resp: 14177

Ion Ratio Lower Upper

237 100

235 63.8 42.5 82.5

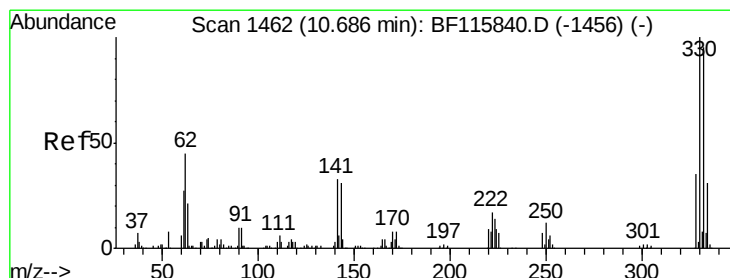
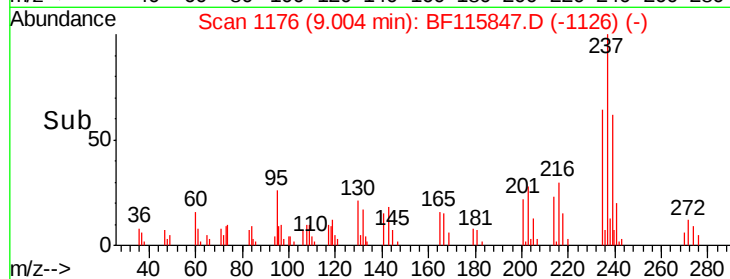
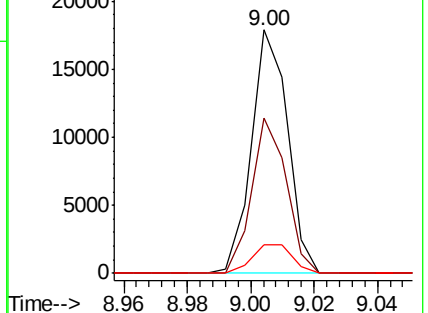
272 12.0 0.0 33.3



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: 100.603 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

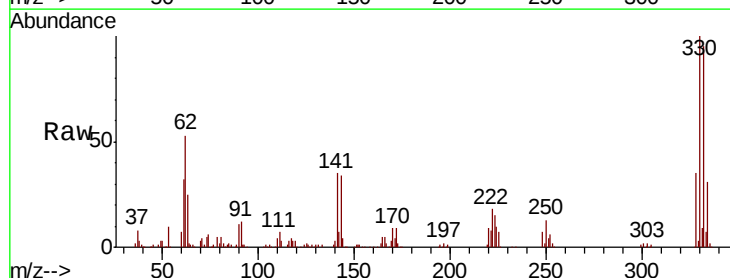
Tgt Ion: 330 Resp: 290792

Ion Ratio Lower Upper

330 100

332 95.2 77.7 116.5

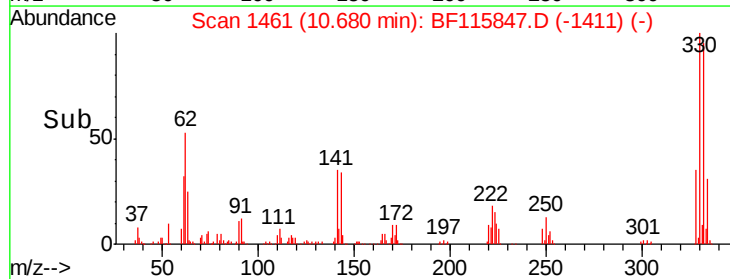
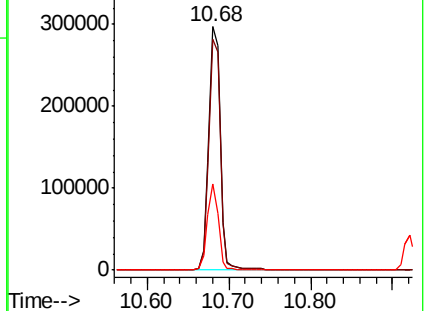
141 33.9 28.1 42.1



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

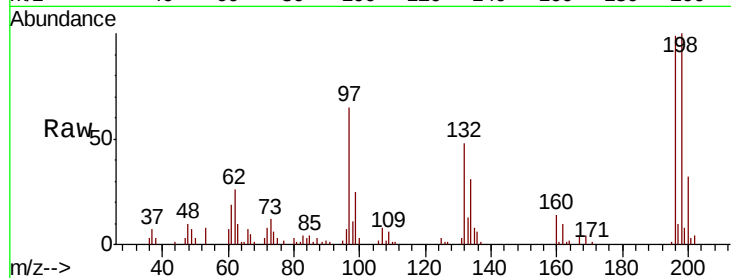




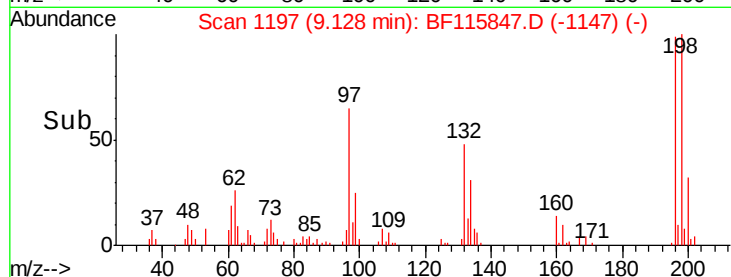
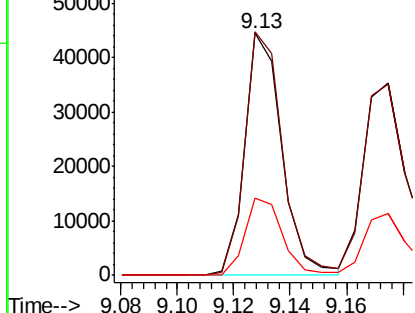
#43
 2,4,6-Trichlorophenol
 Concen: 7.436 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

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

Tgt Ion:196 Resp: 40795
 Ion Ratio Lower Upper
 196 100
 198 100.6 79.1 118.7
 200 31.8 26.0 39.0



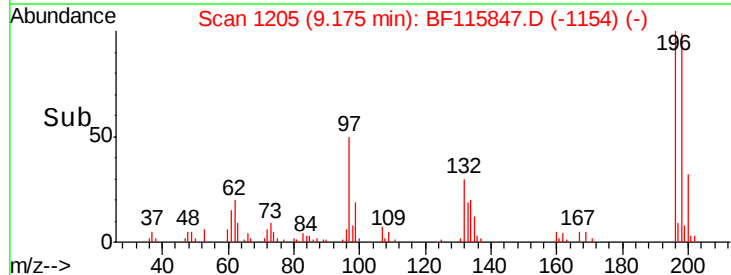
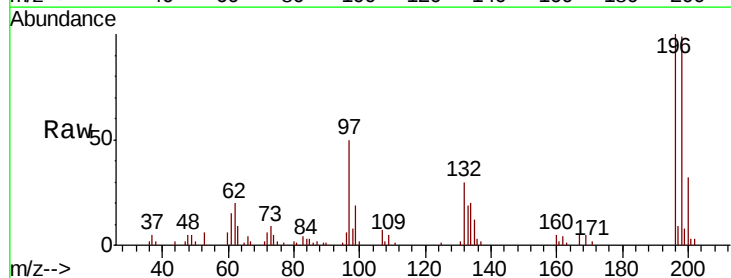
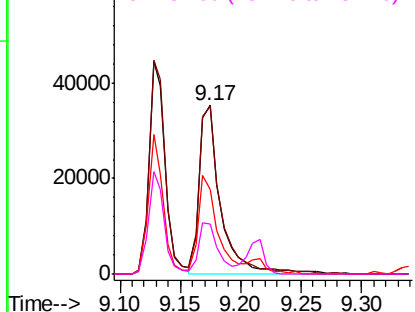
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

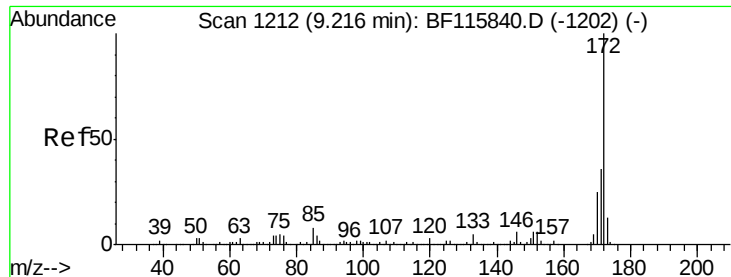


#44
 2,4,5-Trichlorophenol
 Concen: 7.718 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:196 Resp: 43771
 Ion Ratio Lower Upper
 196 100
 198 99.2 80.1 120.1
 97 50.3 38.9 58.3
 132 29.8 22.6 33.8

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

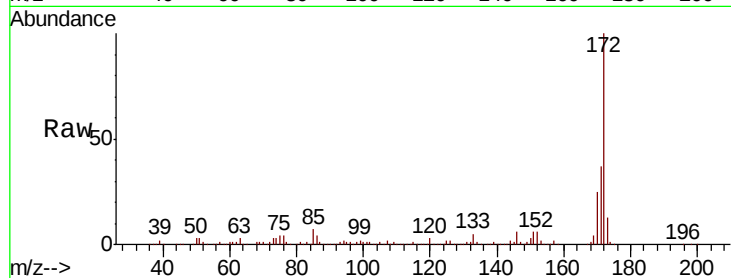




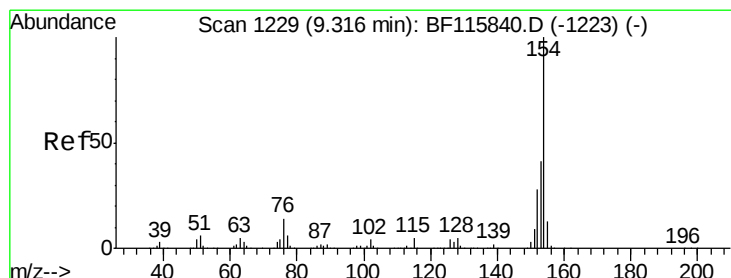
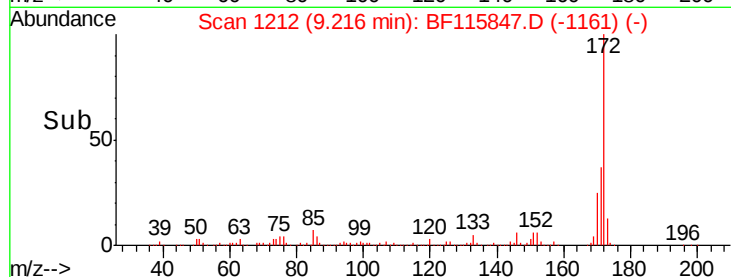
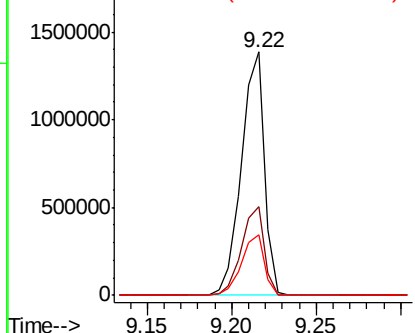
#45
 2-Fluorobiphenyl
 Concen: 82.934 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

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

Tgt Ion:172 Resp: 1320047
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.1 43.7
 170 24.9 20.1 30.1

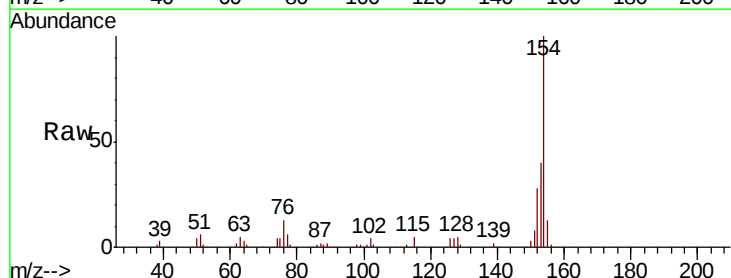


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

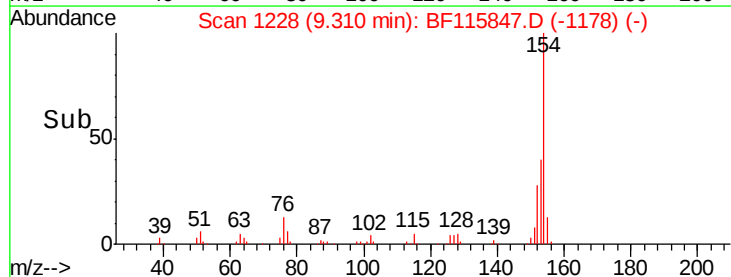
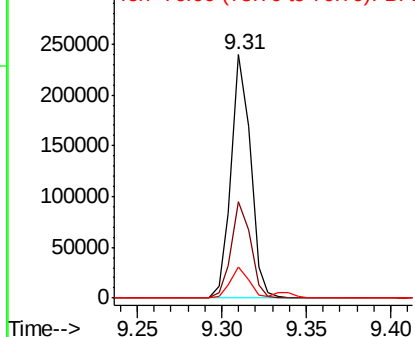


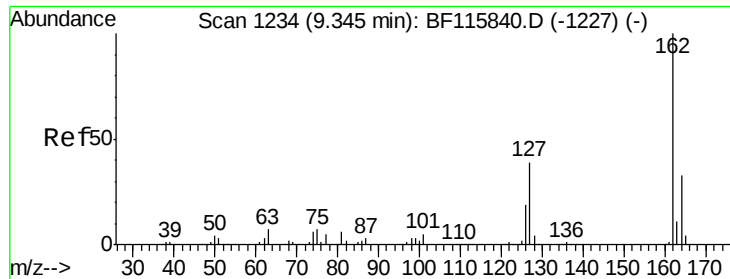
#46
 1,1'-Biphenyl
 Concen: 9.148 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:154 Resp: 192557
 Ion Ratio Lower Upper
 154 100
 153 39.8 20.9 60.9
 76 12.9 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

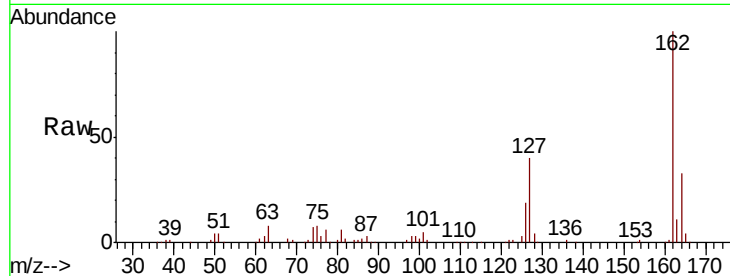




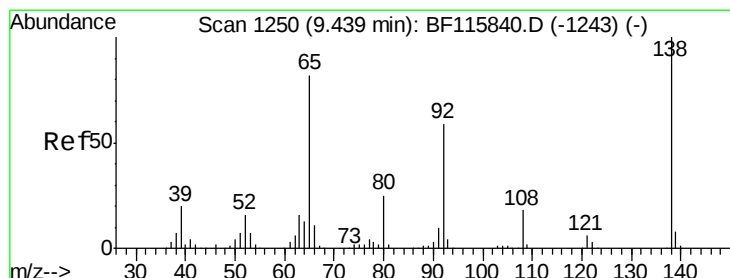
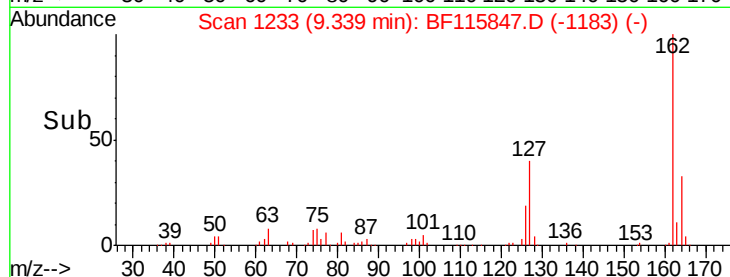
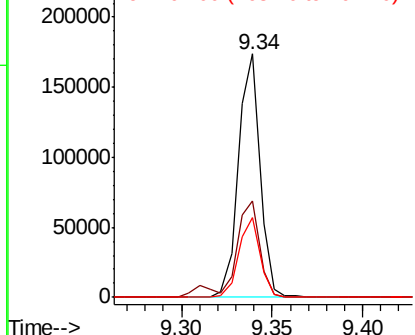
#47
 2-Chloronaphthalene
 Concen: 8.250 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

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

Tgt Ion: 162 Resp: 144528
 Ion Ratio Lower Upper
 162 100
 127 39.7 31.3 46.9
 164 32.9 26.6 40.0

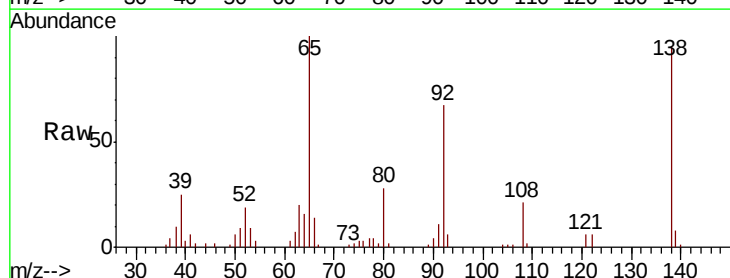


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

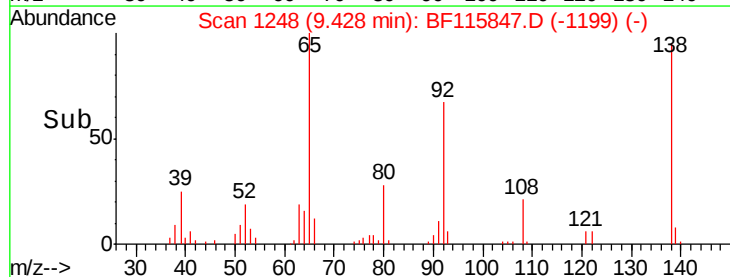
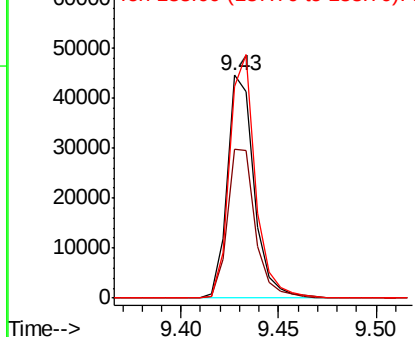


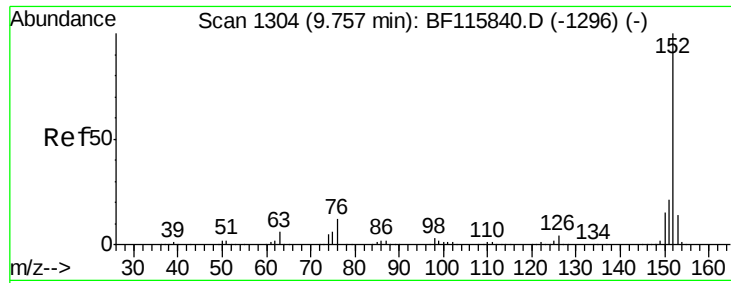
#48
 2-Nitroaniline
 Concen: 7.337 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion: 65 Resp: 42482
 Ion Ratio Lower Upper
 65 100
 92 67.0 57.1 85.7
 138 94.9 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: 9.049 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

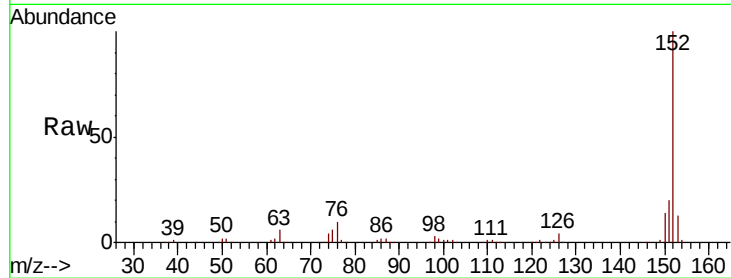
Tgt Ion:152 Resp: 231264

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

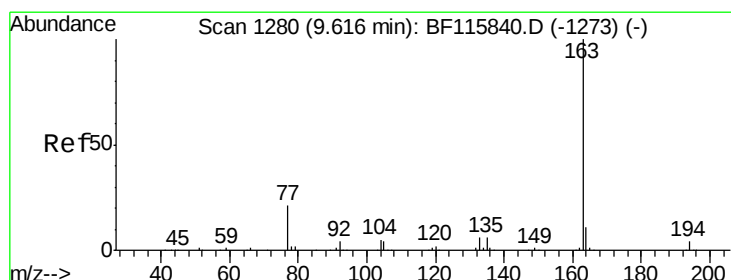
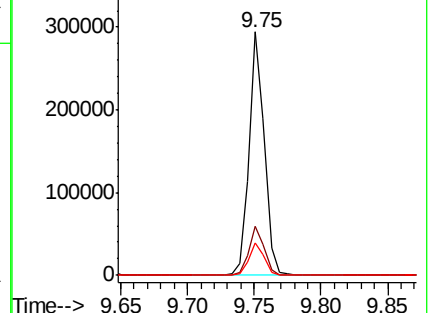
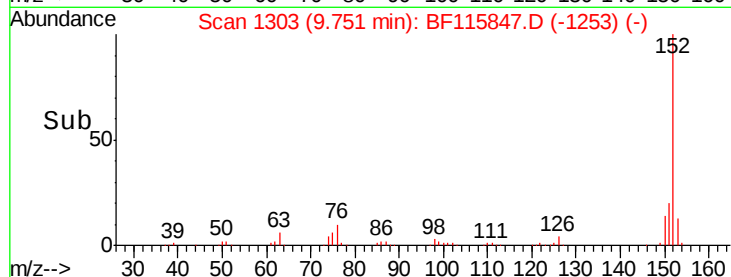
153 13.2 11.6 17.4



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: 7.877 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

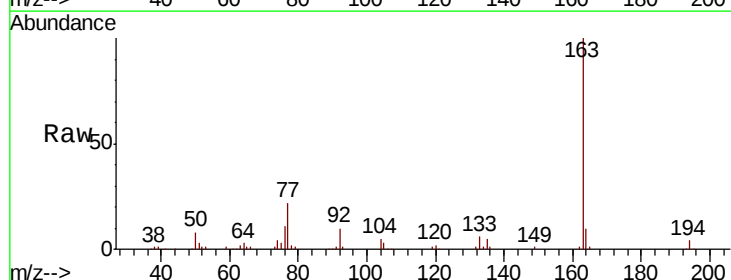
Tgt Ion:163 Resp: 159895

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

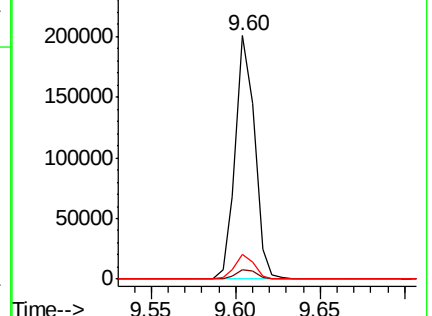
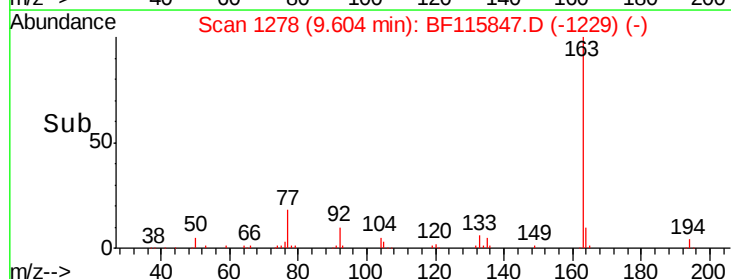
164 10.3 8.4 12.6

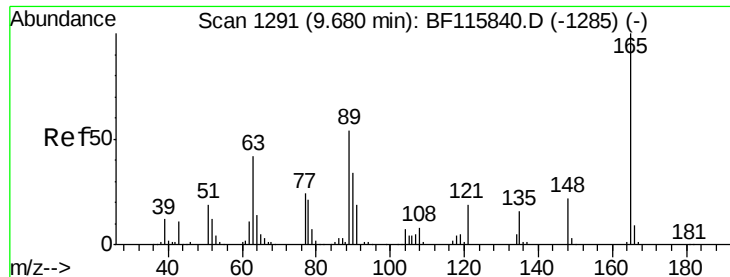


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.972 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

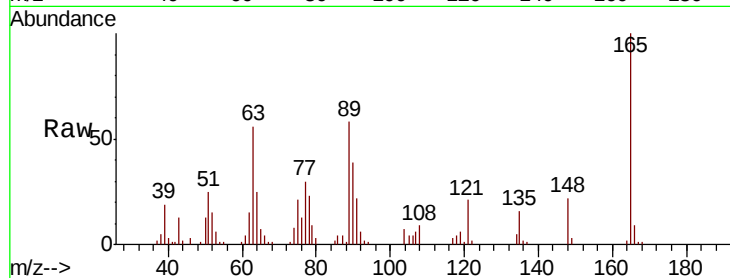
Tgt Ion:165 Resp: 35167

Ion Ratio Lower Upper

165 100

63 56.4 39.4 59.2

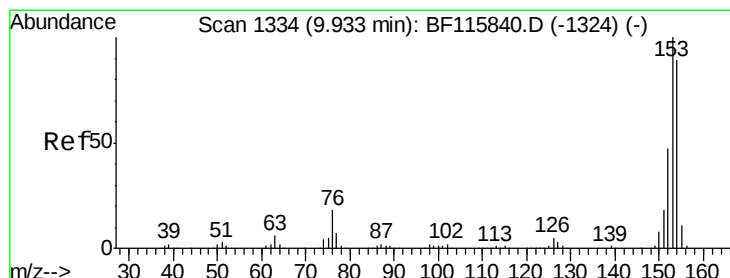
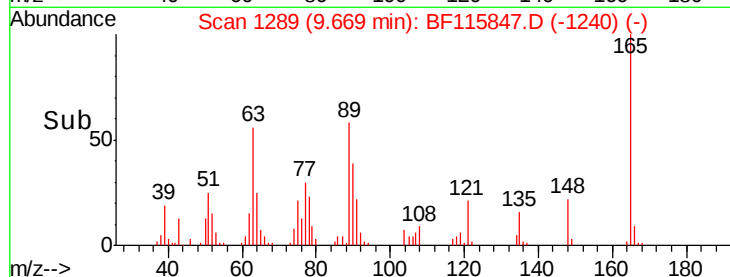
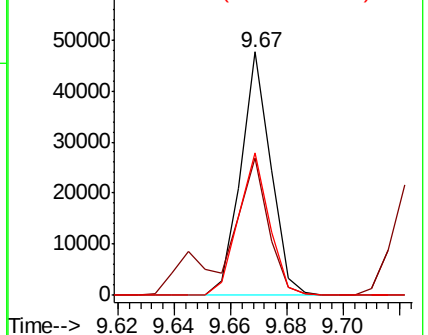
89 58.5 43.0 64.6



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: 8.700 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

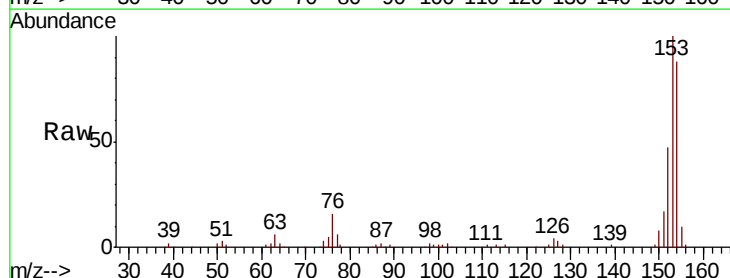
Tgt Ion:154 Resp: 136402

Ion Ratio Lower Upper

154 100

153 113.4 90.1 135.1

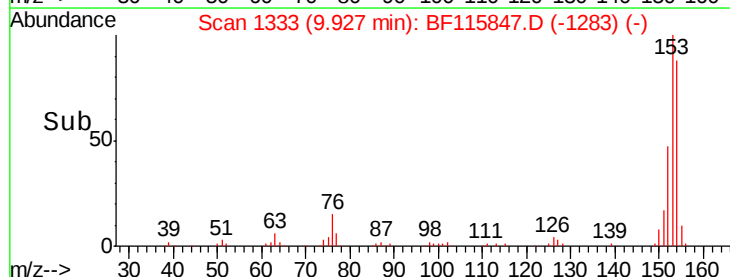
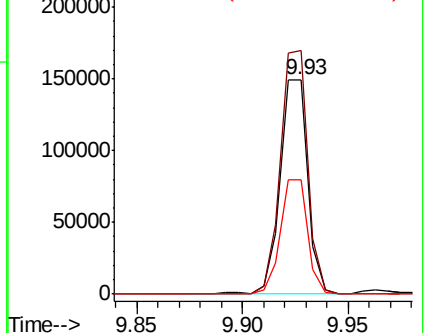
152 53.2 42.6 63.8



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

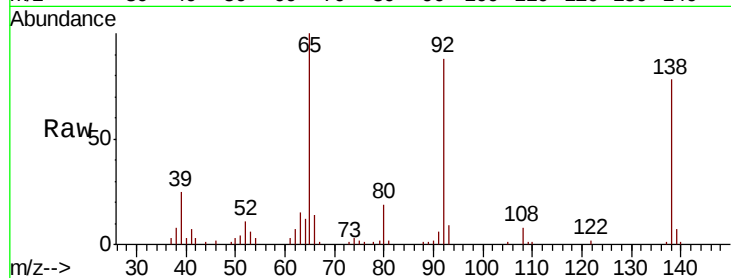




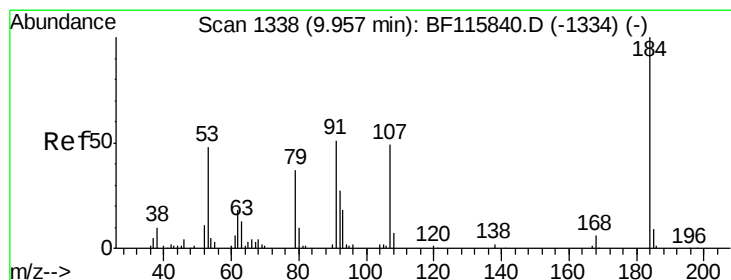
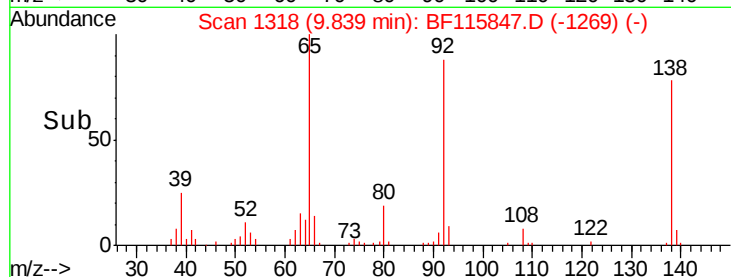
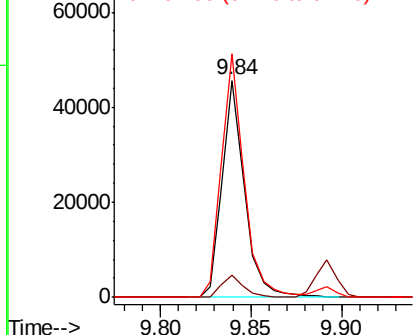
#53
3-Nitroaniline
Concen: 7.224 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion:138 Resp: 39375
Ion Ratio Lower Upper
138 100
108 10.4 7.4 11.2
92 112.3 83.9 125.9

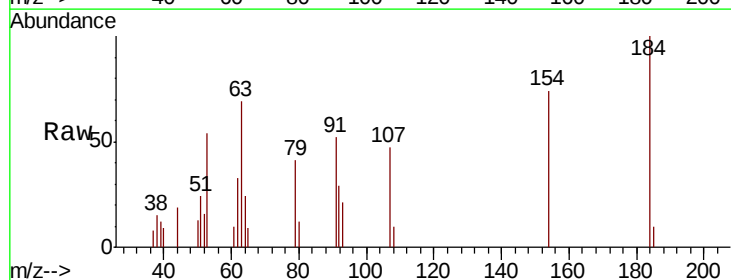


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

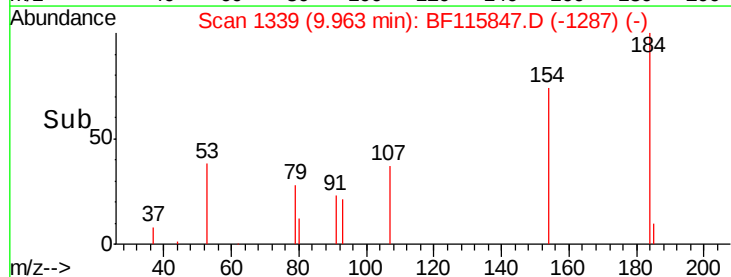
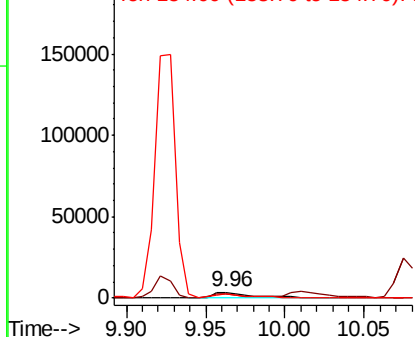


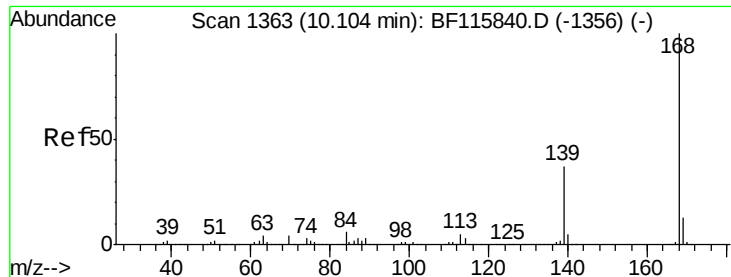
#54
2,4-Dinitrophenol
Concen: 3.389 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:184 Resp: 6349
Ion Ratio Lower Upper
184 100
63 68.8 56.7 85.1
154 74.3 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

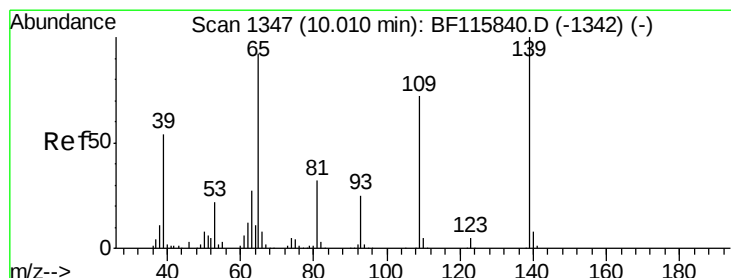
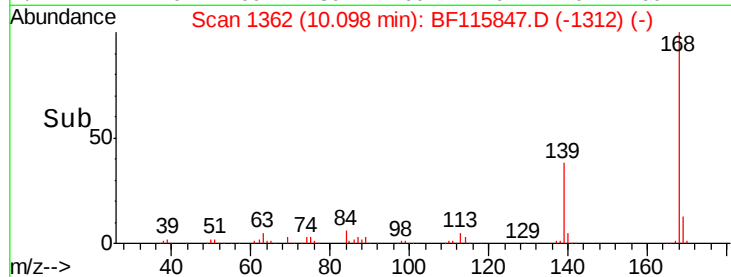
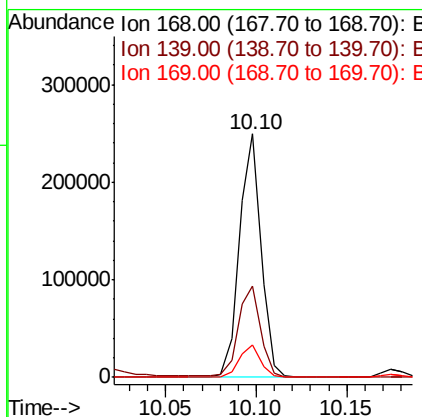
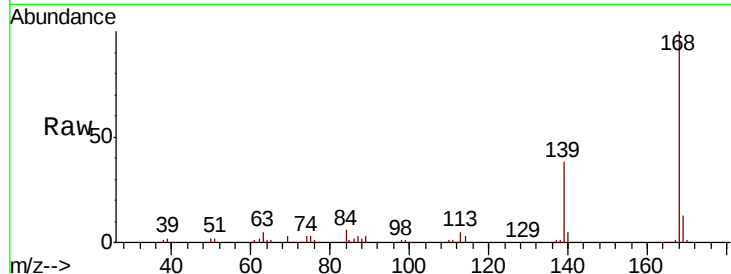




#55
Dibenzenofuran
Concen: 9.047 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

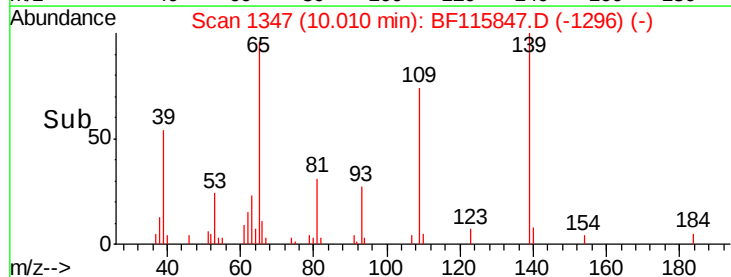
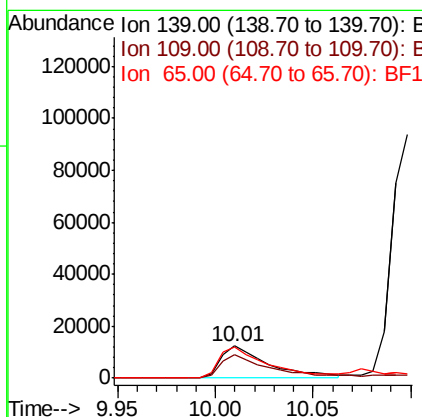
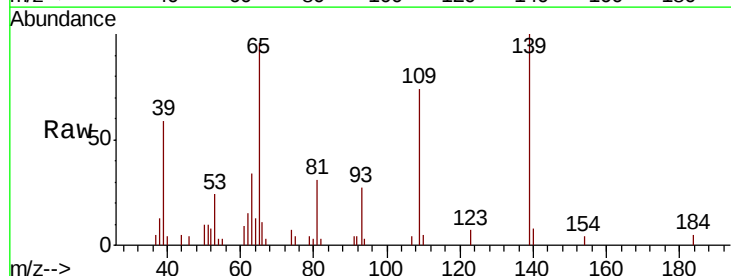
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

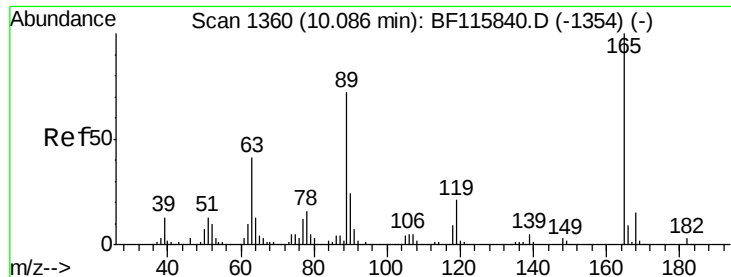
Tgt Ion:168 Resp: 206282
Ion Ratio Lower Upper
168 100
139 37.6 30.2 45.2
169 13.1 10.8 16.2



#56
4-Nitrophenol
Concen: 6.042 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:139 Resp: 21099
Ion Ratio Lower Upper
139 100
109 73.8 52.0 92.0
65 95.7 72.6 112.6





#57

2,4-Dinitrotoluene

Concen: 7.626 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tgt Ion:165 Resp: 44792

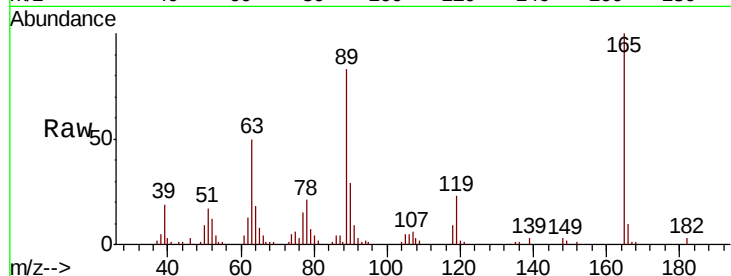
Ion Ratio Lower Upper

165 100

63 50.0 33.2 49.8#

89 82.5 57.3 85.9

182 2.7 2.1 3.1

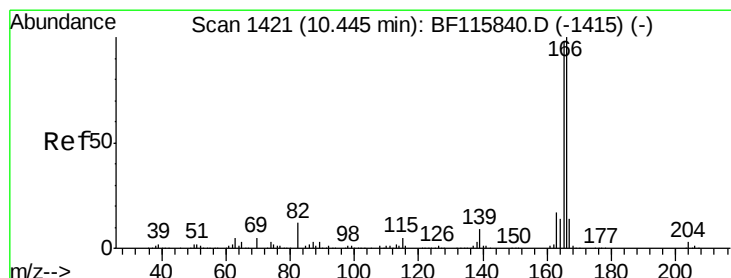
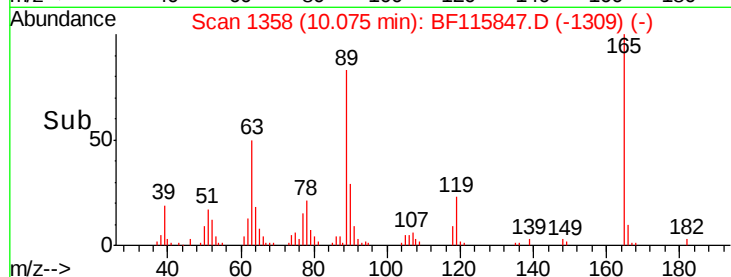
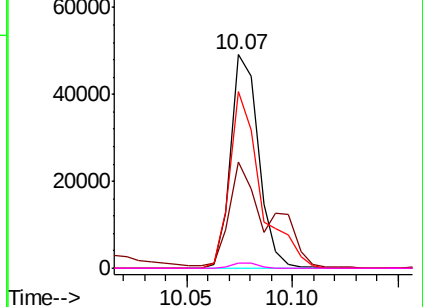


Abundance Ion 165.00 (164.70 to 165.70): E

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: 9.210 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

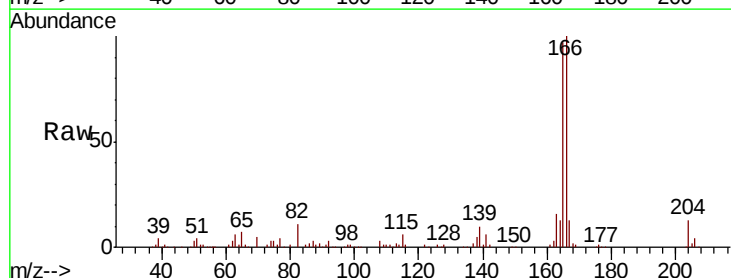
Tgt Ion:166 Resp: 161564

Ion Ratio Lower Upper

166 100

165 96.7 78.6 118.0

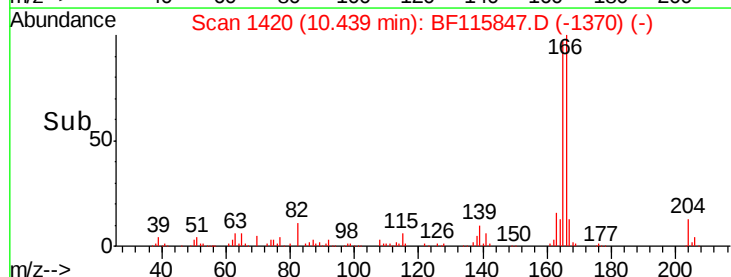
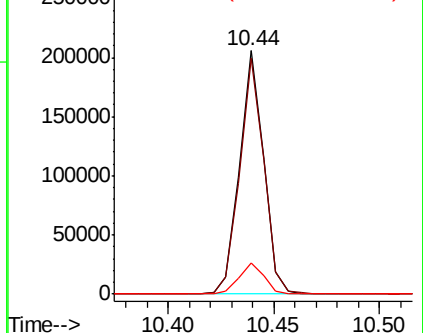
167 13.0 10.9 16.3

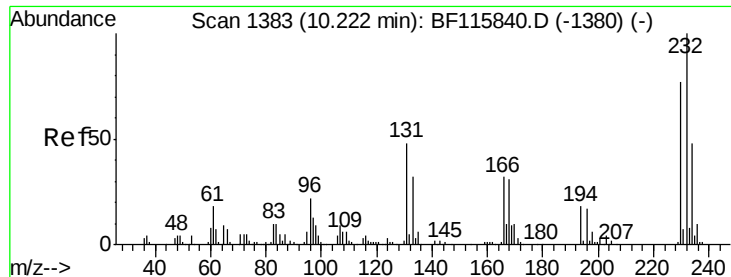


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

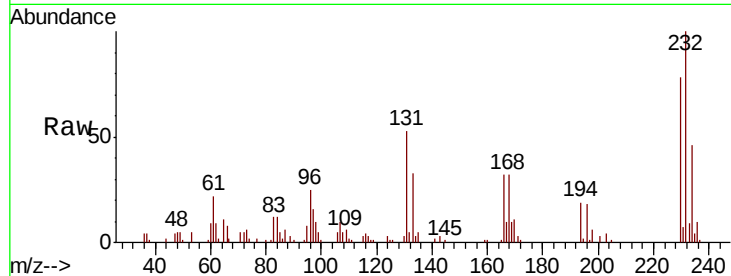




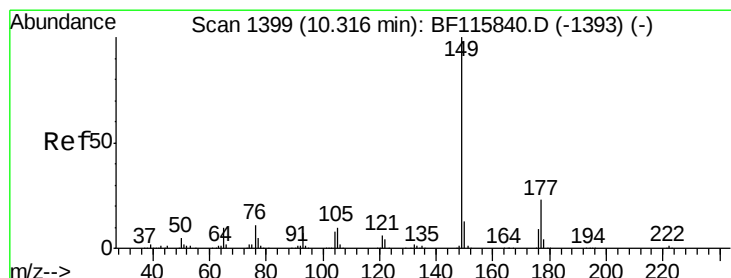
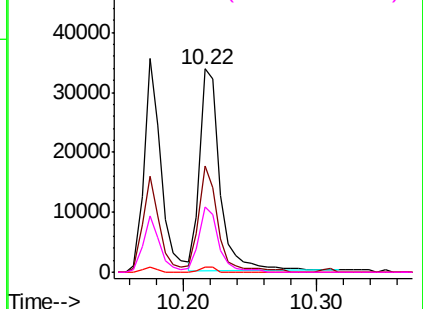
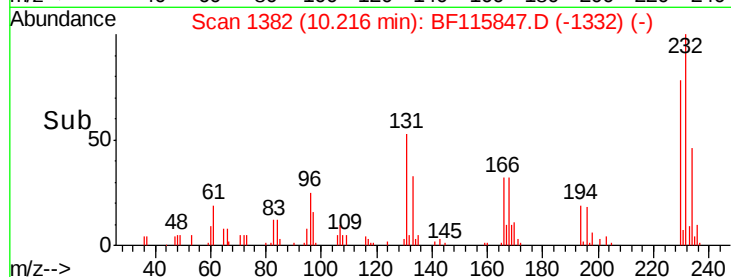
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.460 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

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

Tgt Ion: 232 Resp: 35591
 Ion Ratio Lower Upper
 232 100
 131 50.5 37.6 56.4
 130 2.0 1.8 2.8
 166 31.7 24.6 37.0

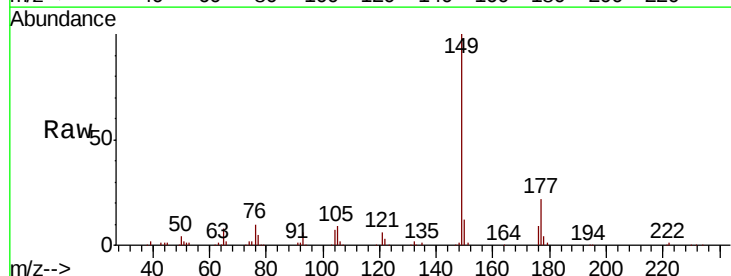


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

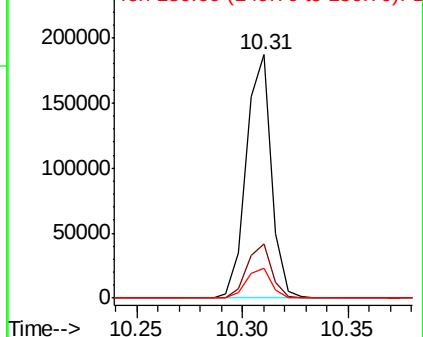
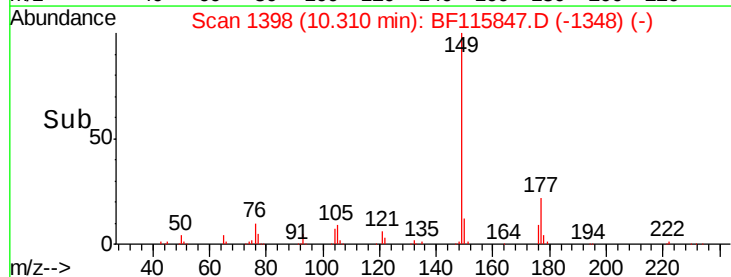


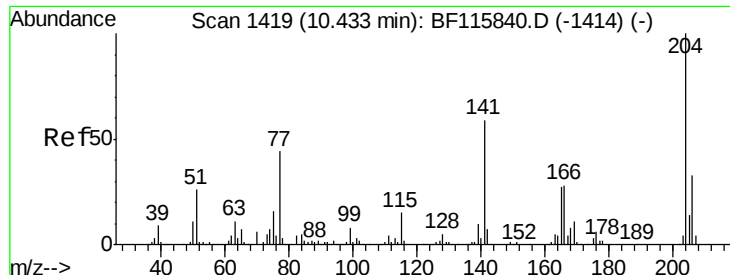
#60
 Diethylphthalate
 Concen: 8.138 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion: 149 Resp: 154227
 Ion Ratio Lower Upper
 149 100
 177 22.1 18.4 27.6
 150 12.1 10.1 15.1



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

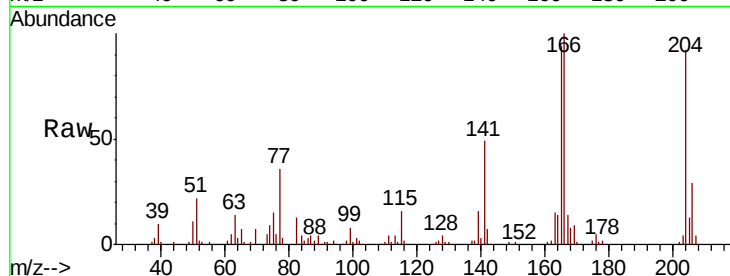




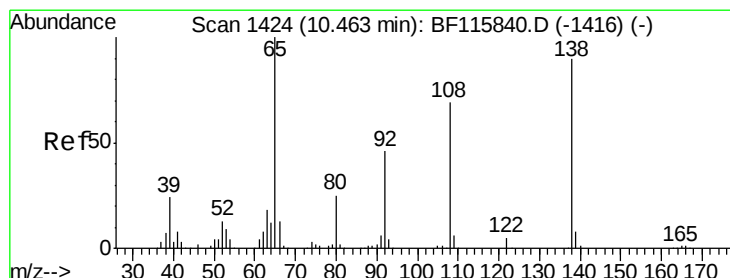
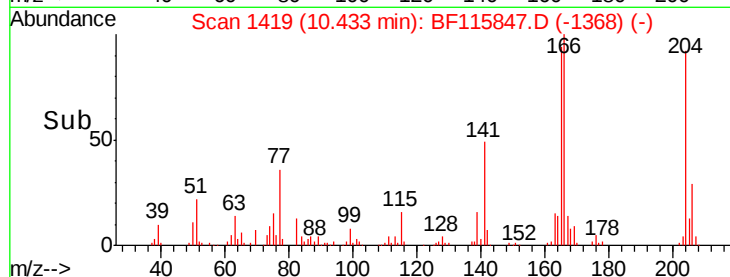
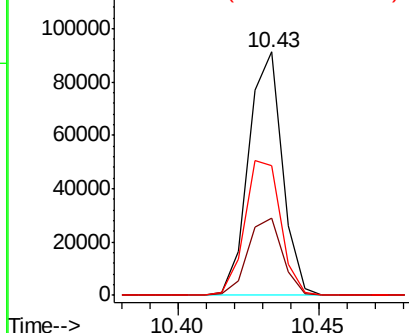
#61
4-Chlorophenyl-phenylether
Concen: 8.530 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion: 204 Resp: 75790
Ion Ratio Lower Upper
204 100
206 31.8 26.4 39.6
141 53.5 47.0 70.4

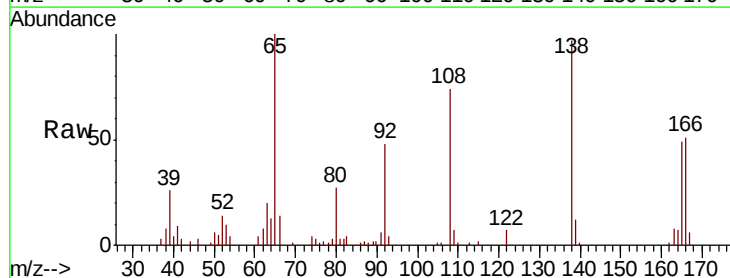


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

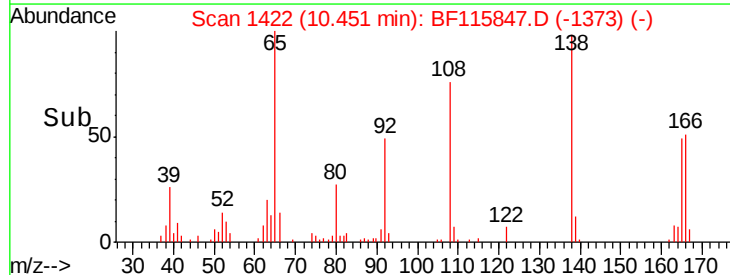
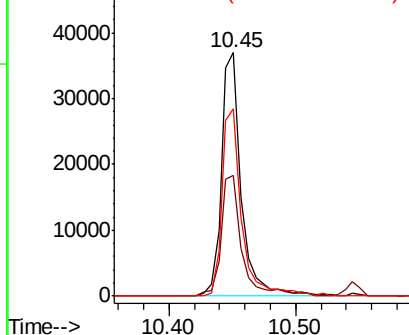


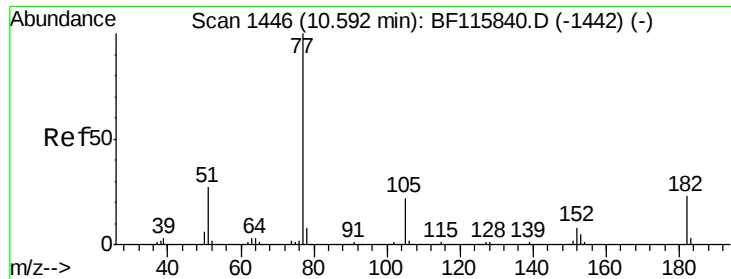
#62
4-Nitroaniline
Concen: 7.195 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 138 Resp: 40530
Ion Ratio Lower Upper
138 100
92 49.4 31.0 71.0
108 76.7 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: 8.578 ng

RT: 10.59 min Scan# 1446

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tgt Ion: 77 Resp: 167214

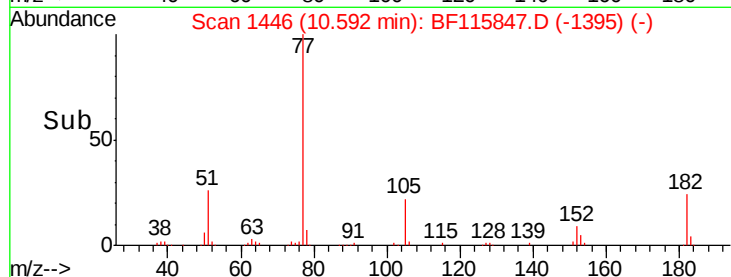
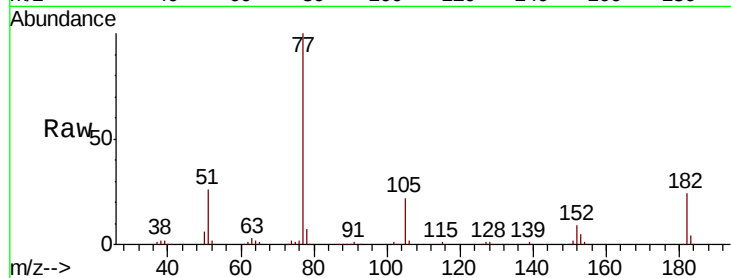
Ion Ratio Lower Upper

77 100

182 24.3 2.6 42.6

105 21.8 1.6 41.6

51 26.3 7.4 47.4

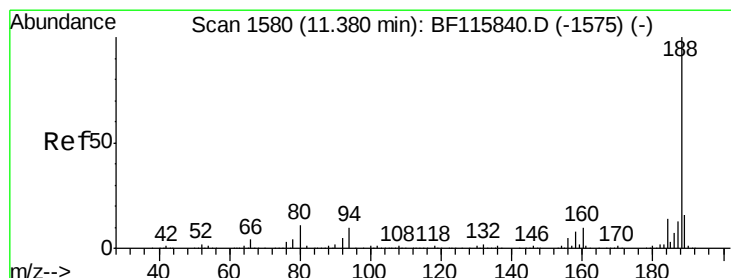
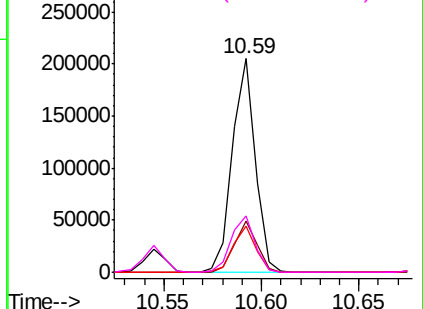


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

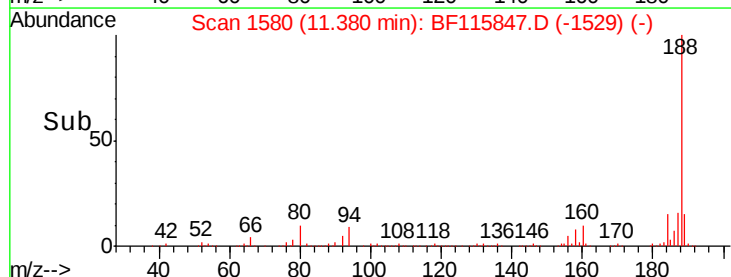
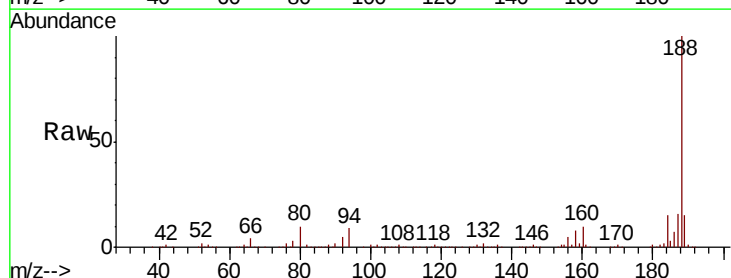
Tgt Ion: 188 Resp: 519247

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

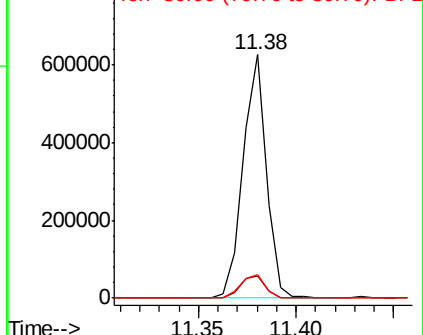
80 9.9 8.6 12.8

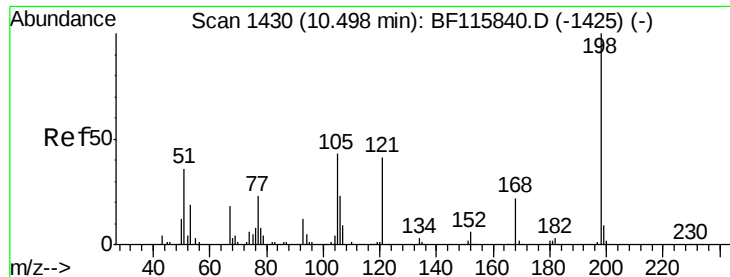


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

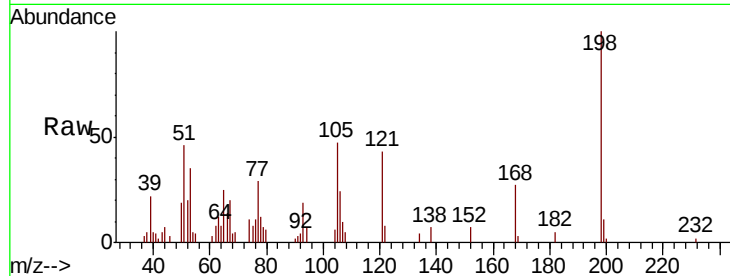




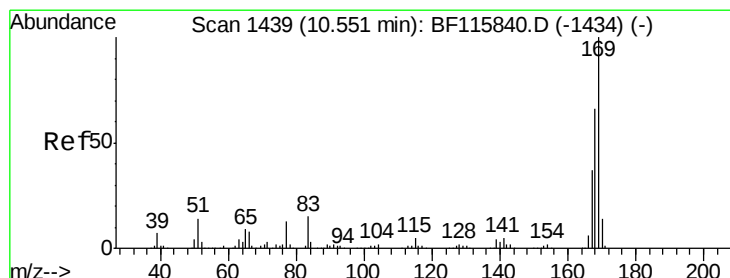
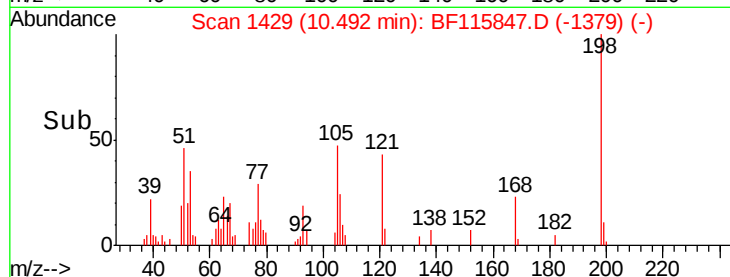
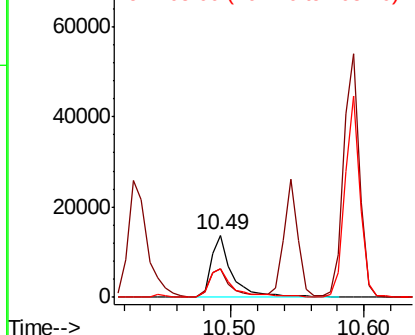
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.549 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

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

Tgt Ion:198 Resp: 15268
 Ion Ratio Lower Upper
 198 100
 51 45.7 21.1 61.1
 105 46.6 24.5 64.5

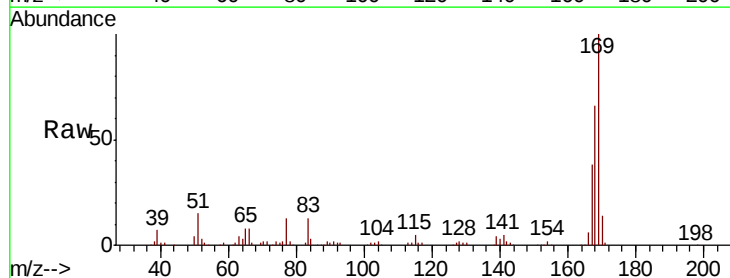


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

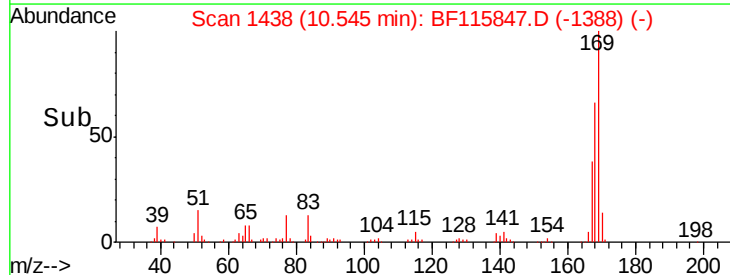
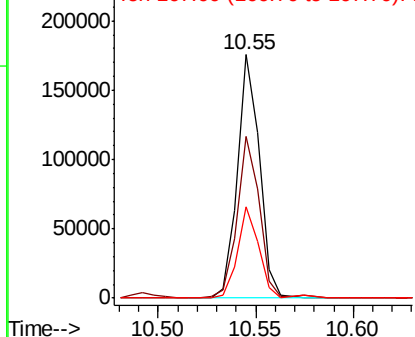


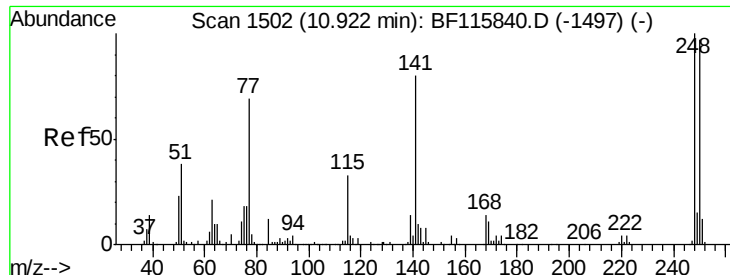
#66
 n-Nitrosodiphenylamine
 Concen: 8.812 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:169 Resp: 137721
 Ion Ratio Lower Upper
 169 100
 168 66.2 53.0 79.6
 167 37.5 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

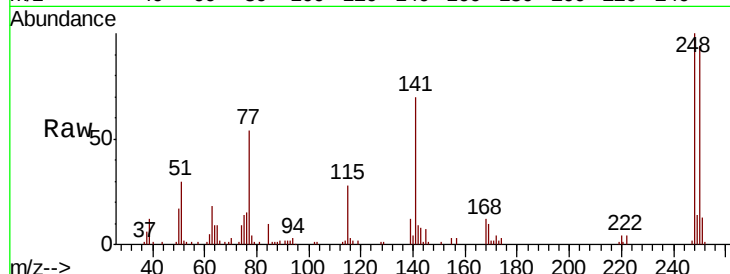




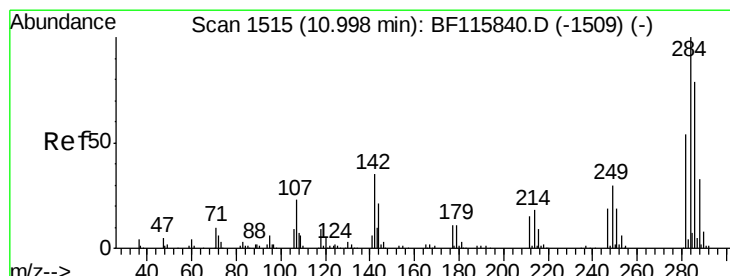
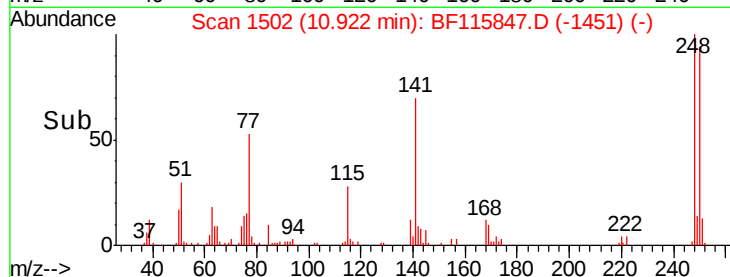
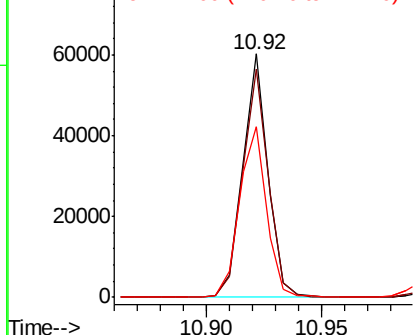
#67
4-Bromophenyl-phenylether
Concen: 8.277 ng
RT: 10.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion:248 Resp: 46009
Ion Ratio Lower Upper
248 100
250 93.8 77.8 116.6
141 70.1 64.3 96.5

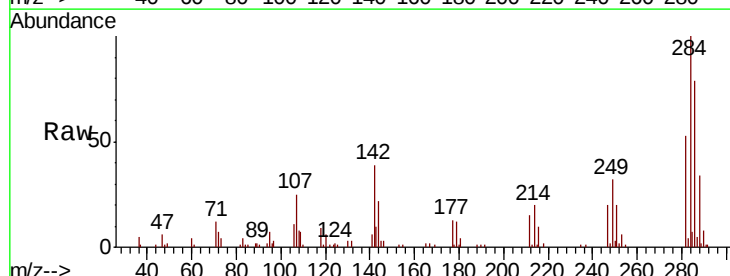


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

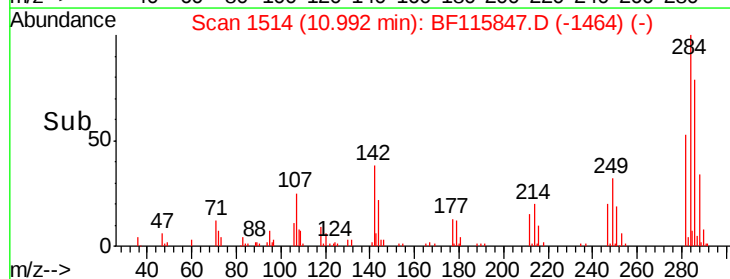
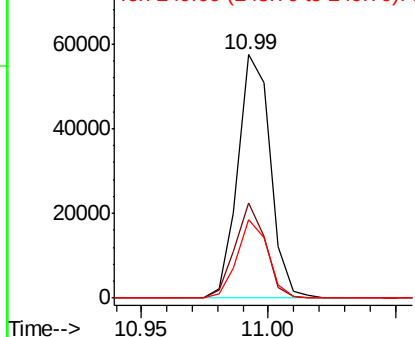


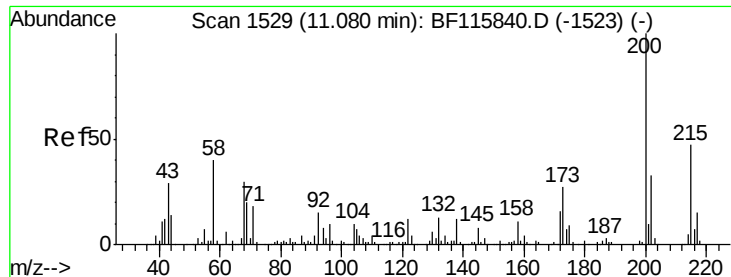
#68
Hexachlorobenzene
Concen: 7.956 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:284 Resp: 51136
Ion Ratio Lower Upper
284 100
142 39.1 28.2 42.2
249 32.1 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

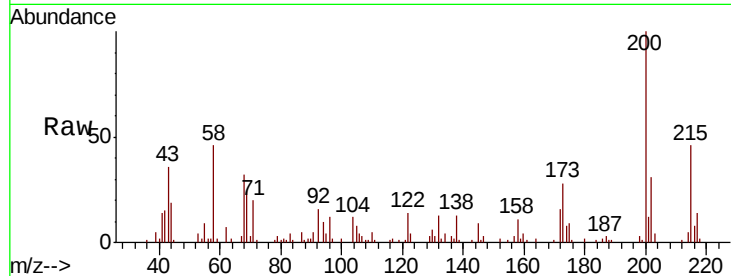




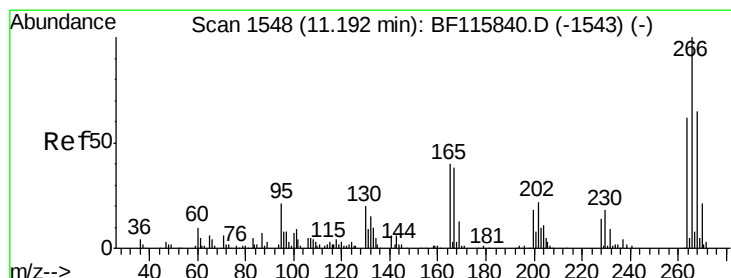
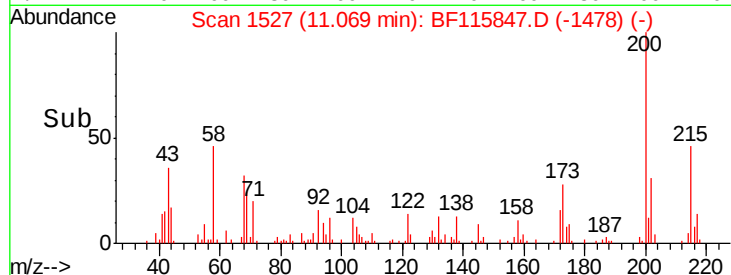
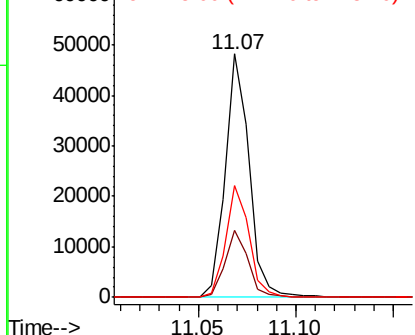
#69
Atrazine
Concen: 7.949 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion:200 Resp: 40871
Ion Ratio Lower Upper
200 100
173 27.6 7.3 47.3
215 46.0 26.9 66.9

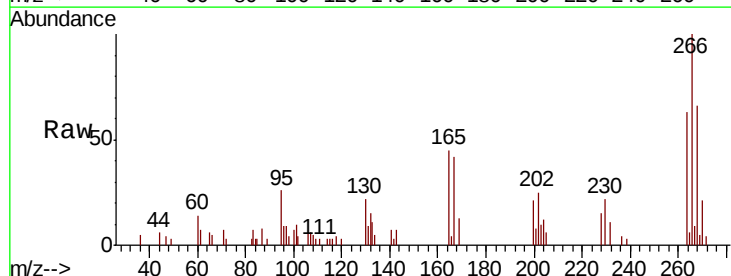


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

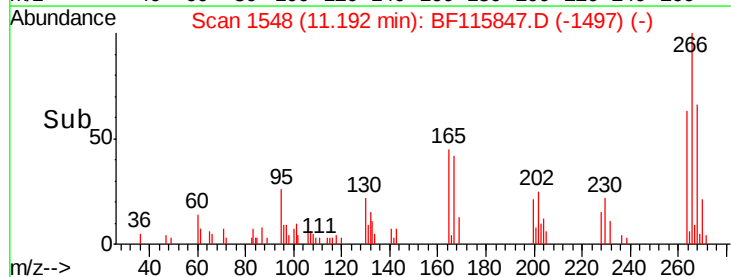
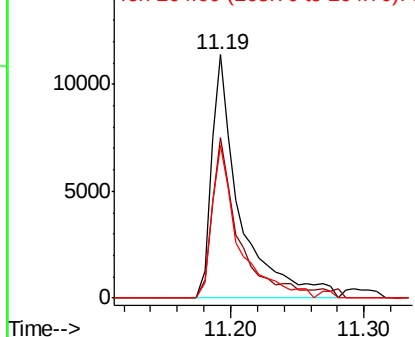


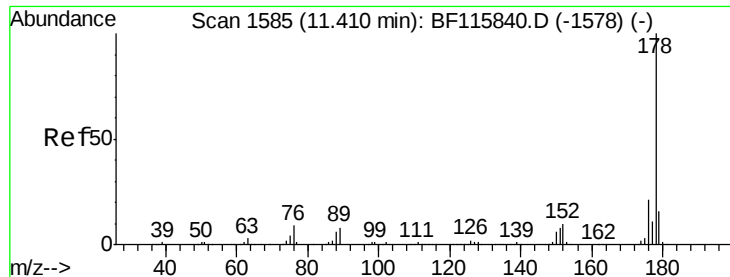
#70
Pentachlorophenol
Concen: 5.398 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:266 Resp: 16845
Ion Ratio Lower Upper
266 100
268 65.8 51.6 77.4
264 62.5 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

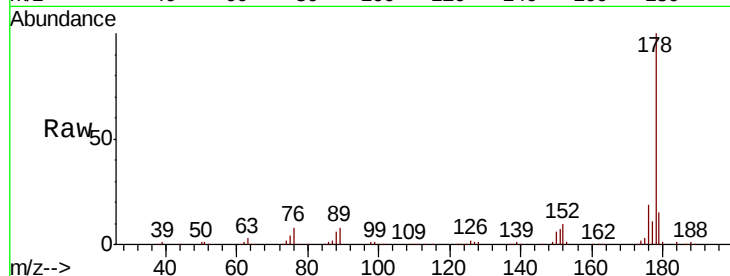




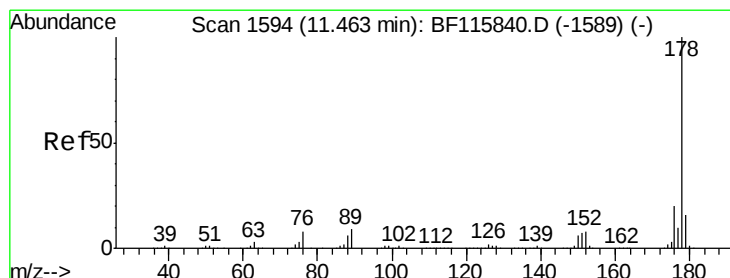
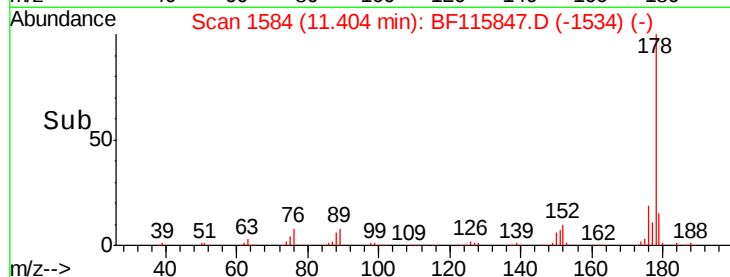
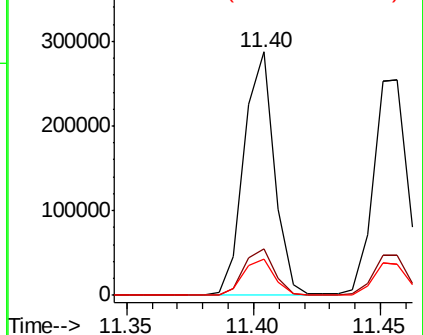
#71
Phenanthrene
Concen: 9.046 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion:178 Resp: 240128
Ion Ratio Lower Upper
178 100
176 19.3 16.5 24.7
179 14.9 12.6 18.8

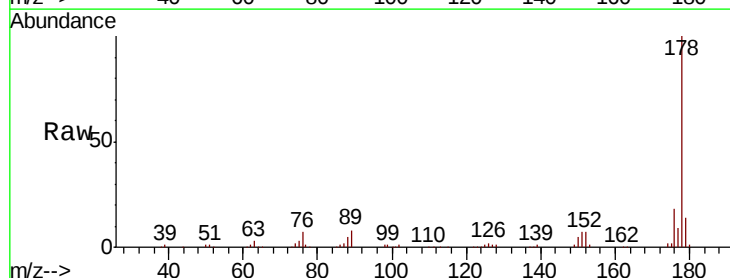


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

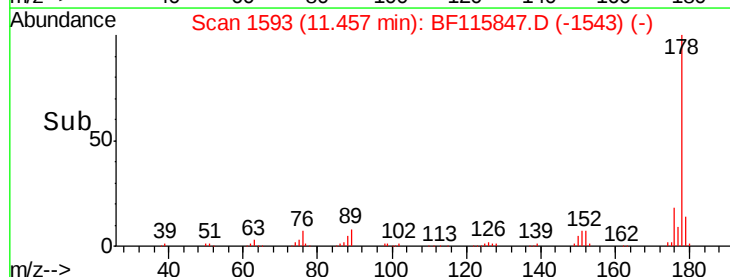
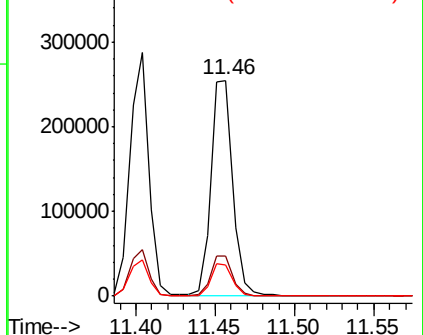


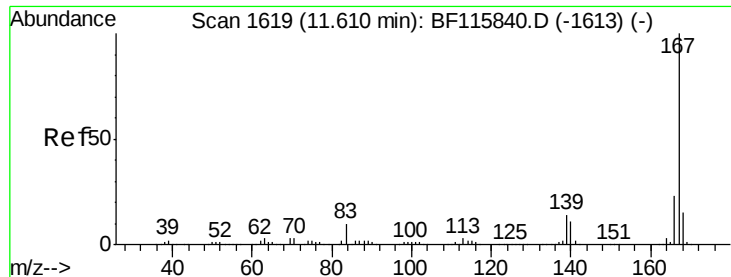
#72
Anthracene
Concen: 9.131 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion:178 Resp: 245306
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 14.5 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

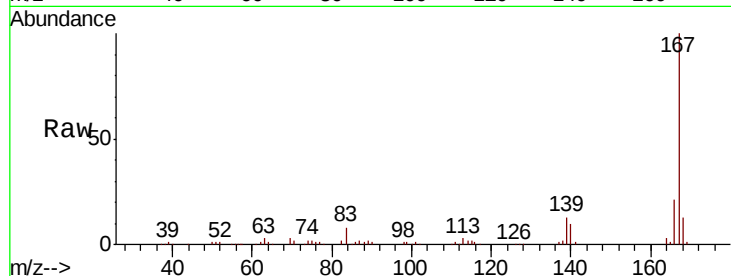




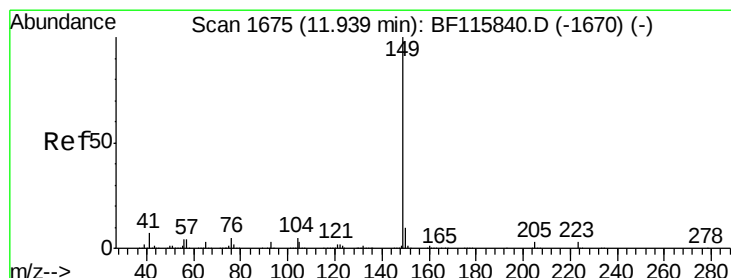
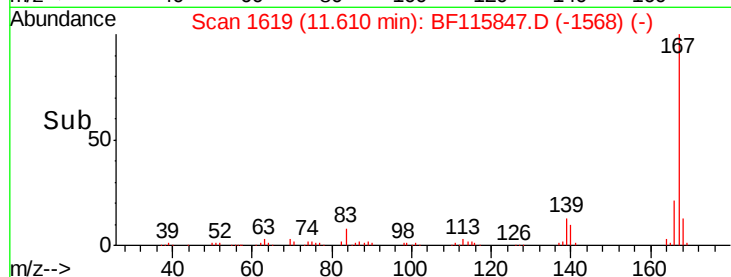
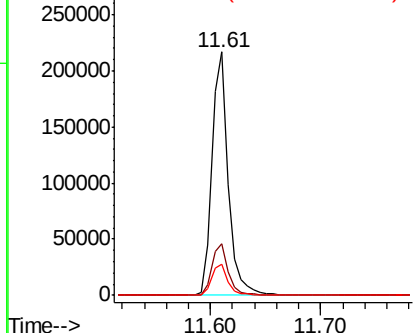
#73
 Carbazole
 Concen: 8.895 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

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

Tgt Ion:167 Resp: 216791
 Ion Ratio Lower Upper
 167 100
 166 21.2 18.0 27.0
 139 12.6 11.4 17.2

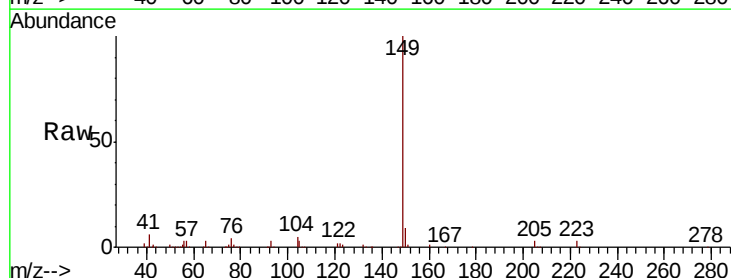


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

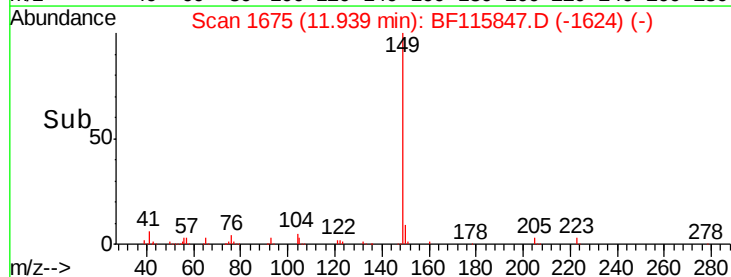
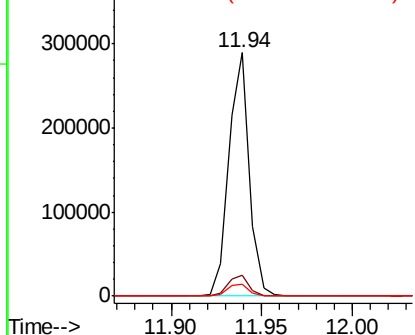


#74
 Di-n-butylphthalate
 Concen: 7.968 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:149 Resp: 226540
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.7 11.5
 104 4.9 4.3 6.5



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





#75

Fluoranthene

Concen: 8.865 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

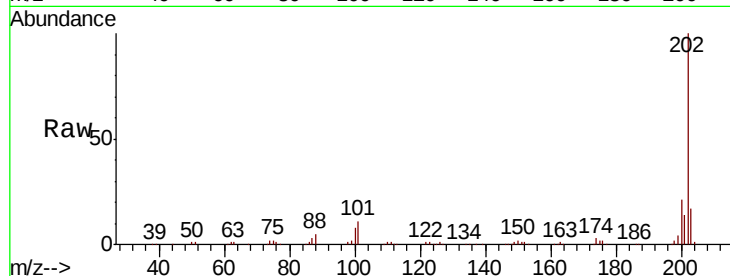
Tgt Ion: 202 Resp: 246362

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.5

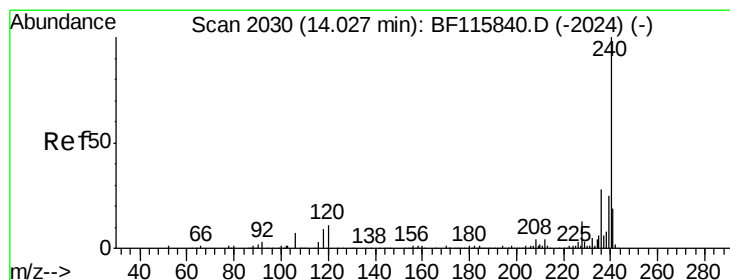
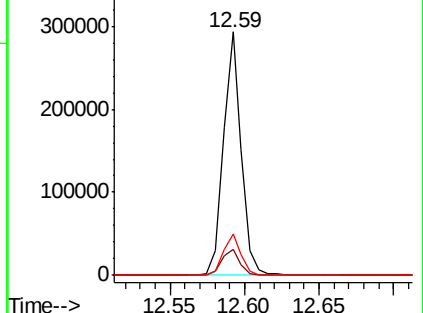
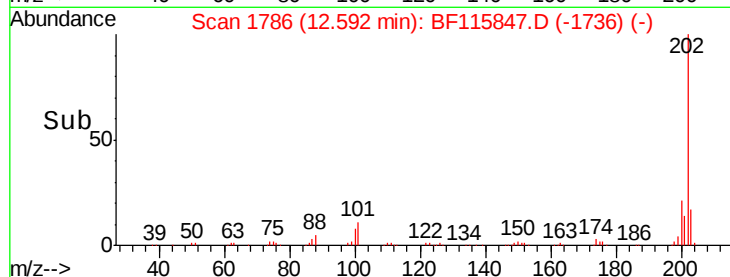
203 17.0 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

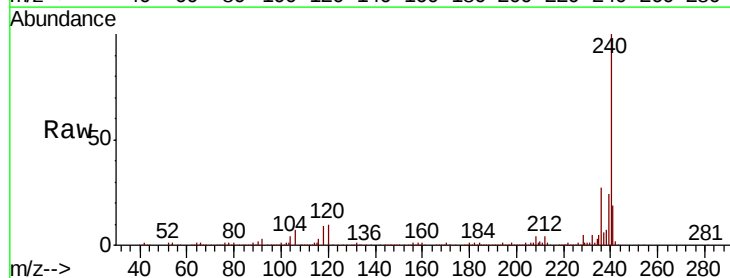
Tgt Ion: 240 Resp: 409818

Ion Ratio Lower Upper

240 100

120 10.3 8.5 12.7

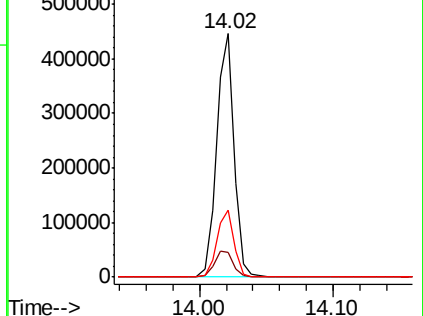
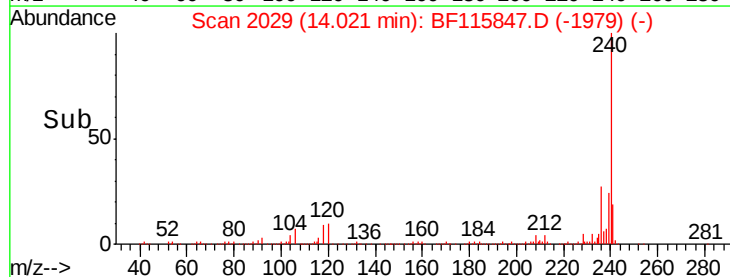
236 27.4 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.875 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

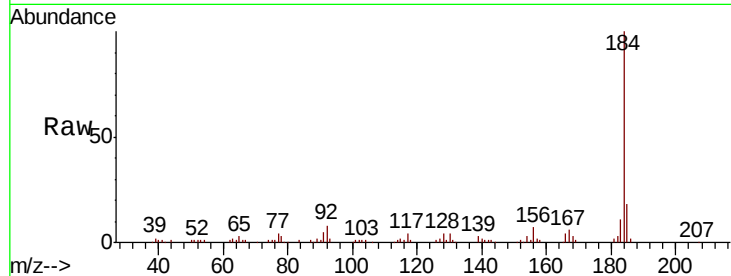
Tgt Ion:184 Resp: 95182

Ion Ratio Lower Upper

184 100

185 17.9 13.4 20.2

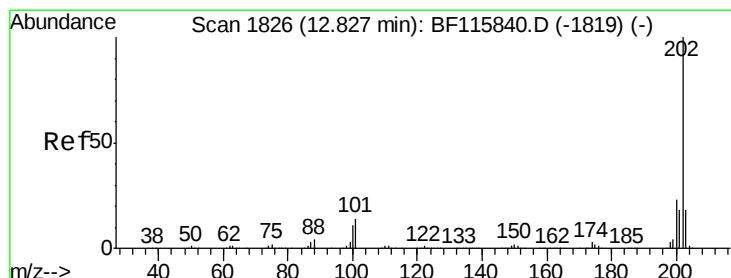
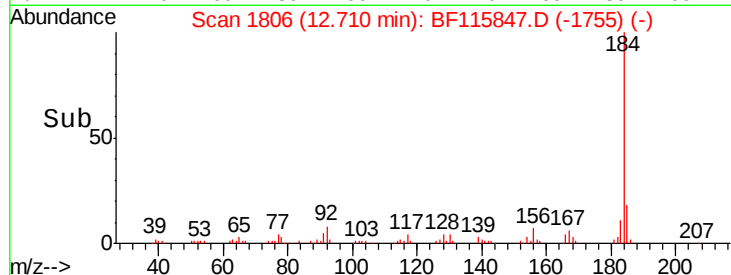
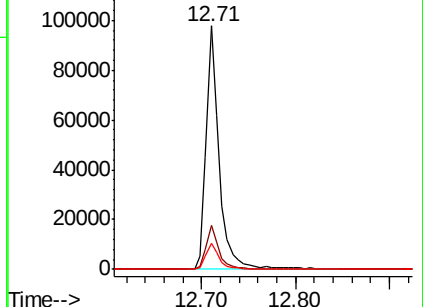
183 10.8 9.1 13.7



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: 8.310 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

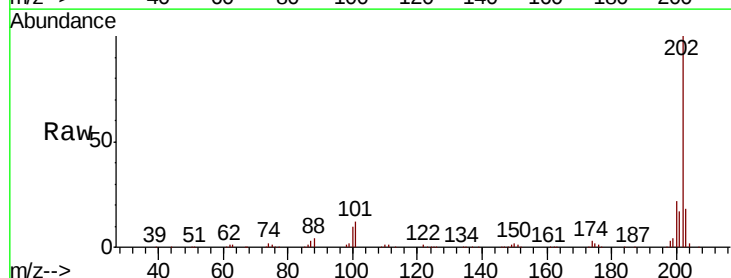
Tgt Ion:202 Resp: 256711

Ion Ratio Lower Upper

202 100

200 21.8 18.2 27.2

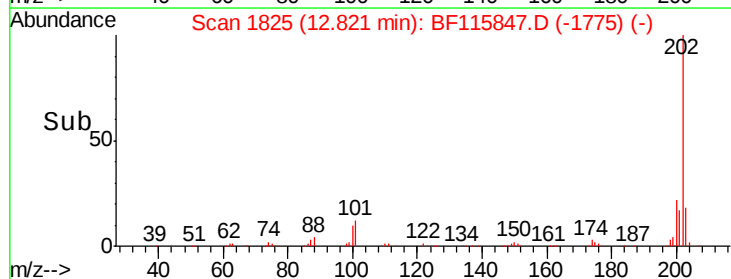
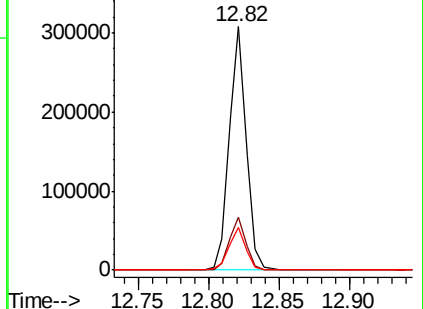
203 17.6 14.3 21.5



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

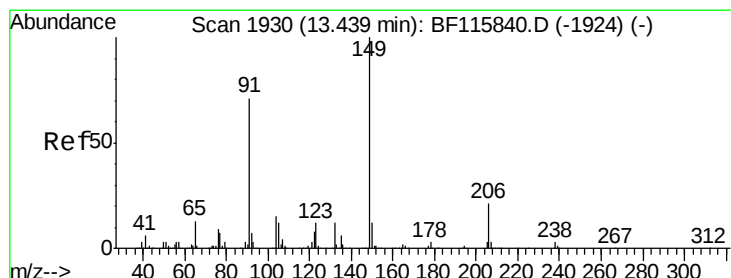
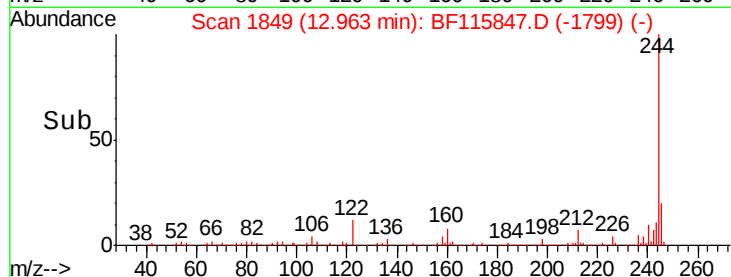
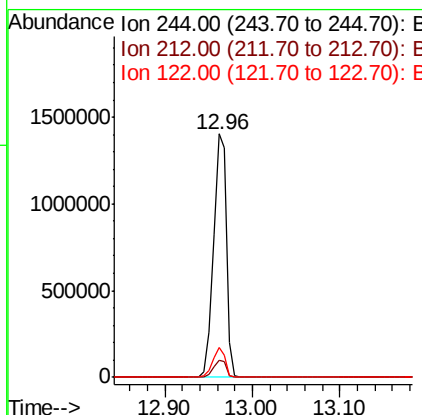
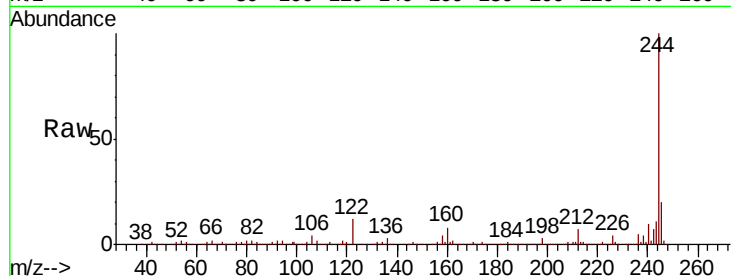




#79
 Terphenyl-d14
 Concen: 74.048 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

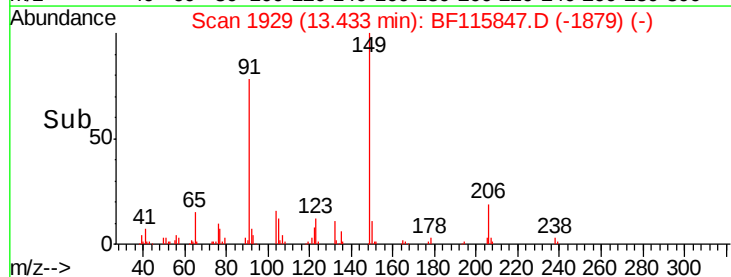
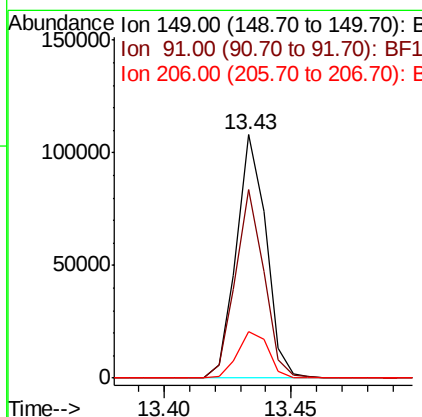
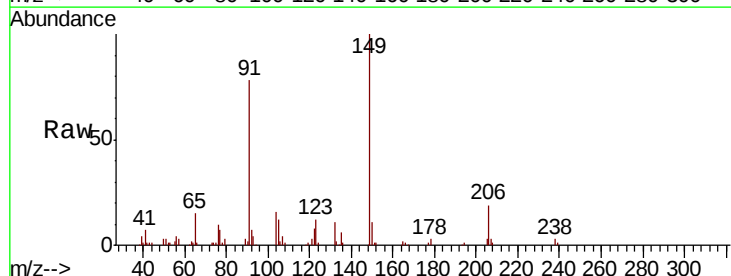
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

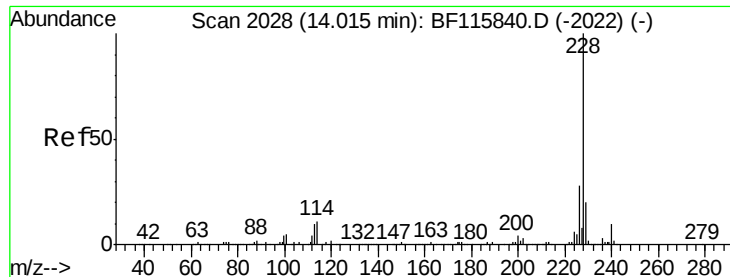
Tgt Ion:244 Resp: 1440139
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 12.4 8.6 13.0



#80
 Butylbenzylphthalate
 Concen: 6.718 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF115847.D
 Acq: 30 Jul 2019 17:42

Tgt Ion:149 Resp: 87792
 Ion Ratio Lower Upper
 149 100
 91 77.7 57.0 85.6
 206 19.2 16.9 25.3





#81

Benzo(a)anthracene

Concen: 8.150 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

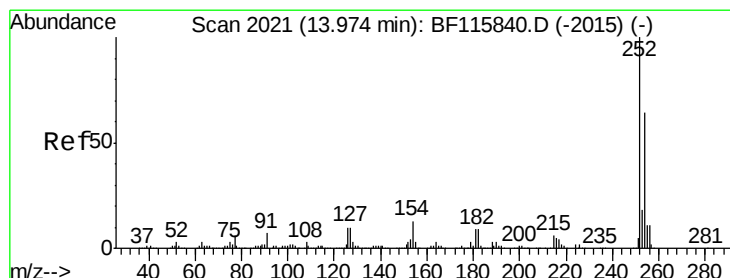
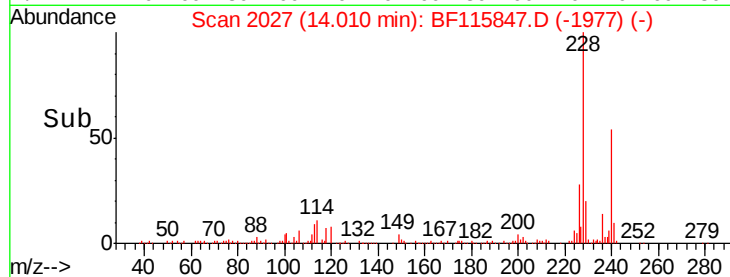
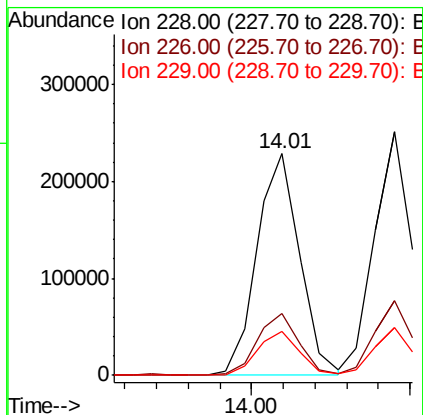
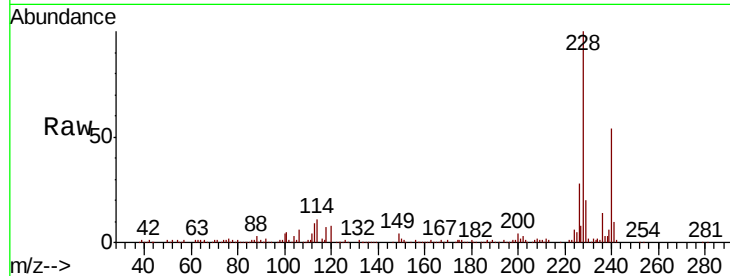
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tgt Ion:	228	Resp:	213472
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.5	33.7
229	19.7	16.1	24.1



#82

3,3'-Dichlorobenzidine

Concen: 8.040 ng

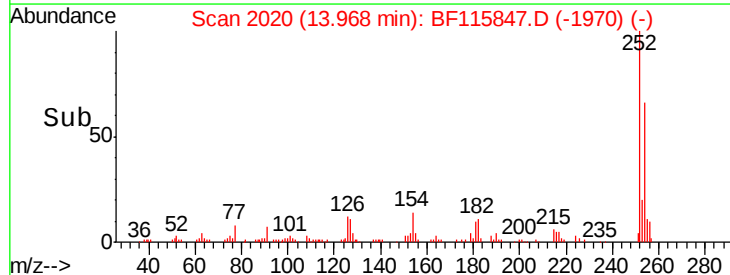
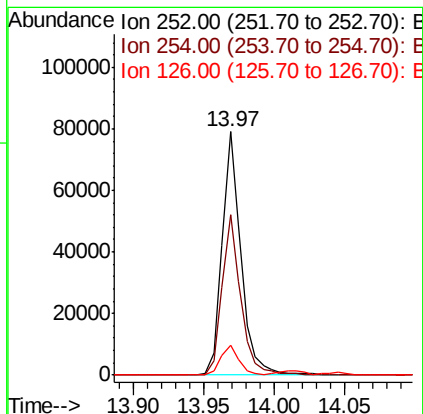
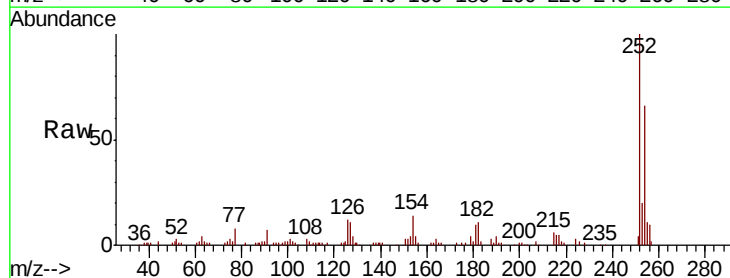
RT: 13.97 min Scan# 2020

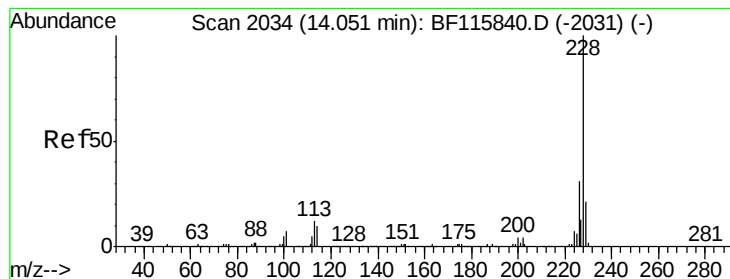
Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Tgt Ion:	252	Resp:	73168
Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.2	76.8
126	12.2	8.1	12.1#

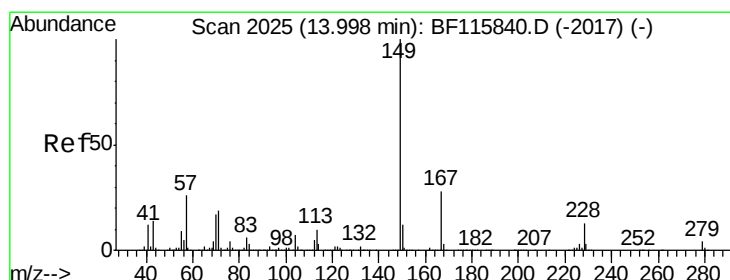
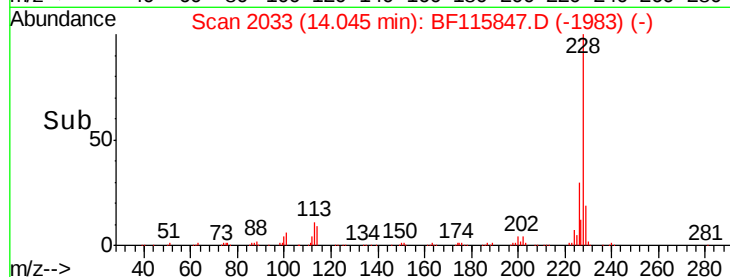
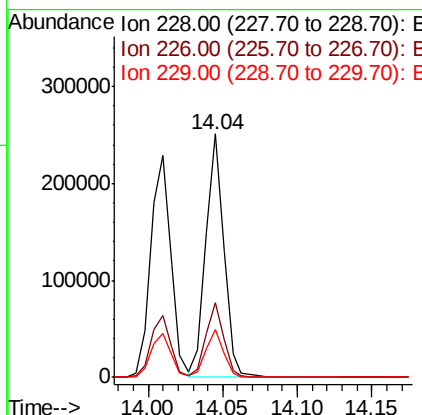
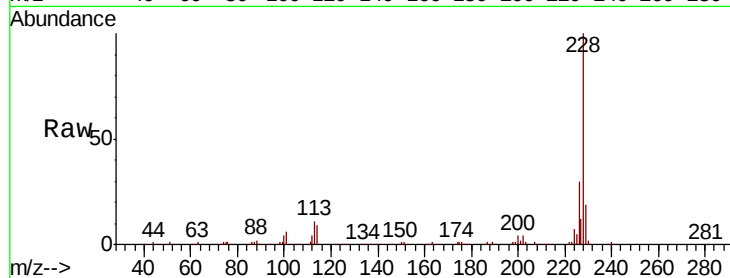




#83
Chrysene
Concen: 8.263 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

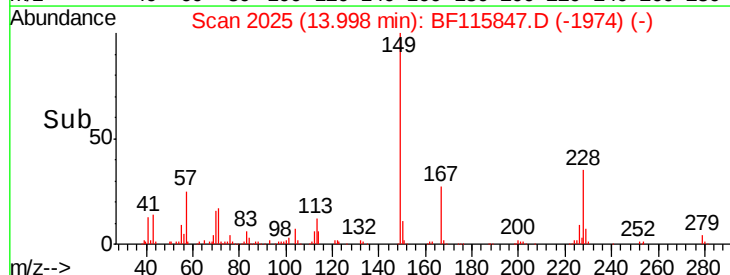
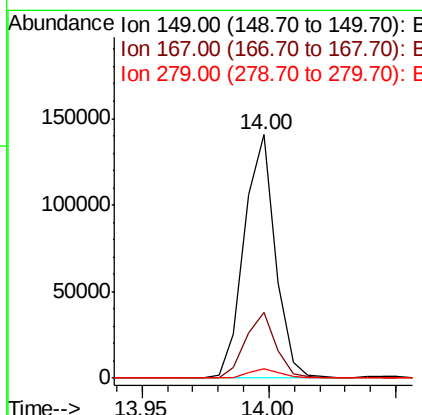
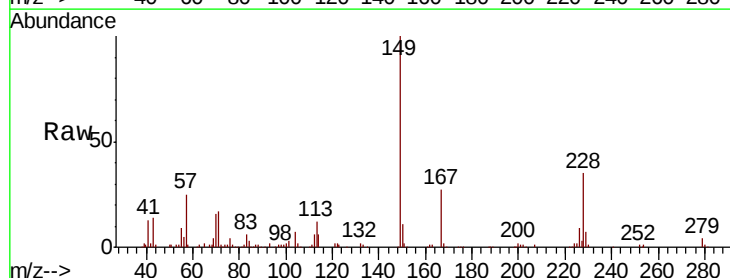
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tgt Ion: 228 Resp: 210126
Ion Ratio Lower Upper
228 100
226 30.5 24.8 37.2
229 19.5 16.4 24.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.102 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 149 Resp: 120594
Ion Ratio Lower Upper
149 100
167 27.2 22.4 33.6
279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 6.887 ng

RT: 14.60 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

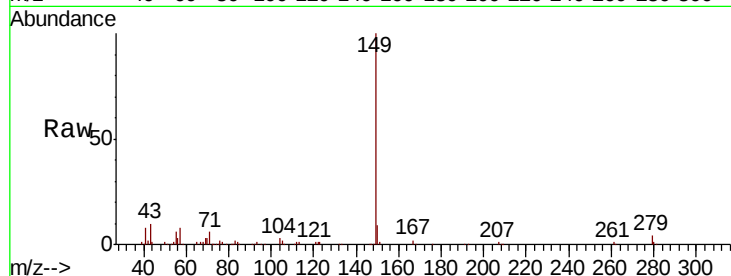
Tgt Ion:149 Resp: 185770

Ion Ratio Lower Upper

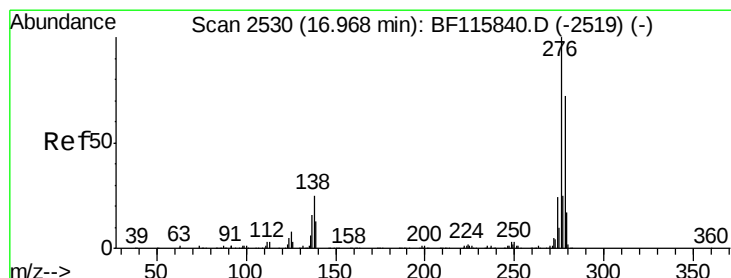
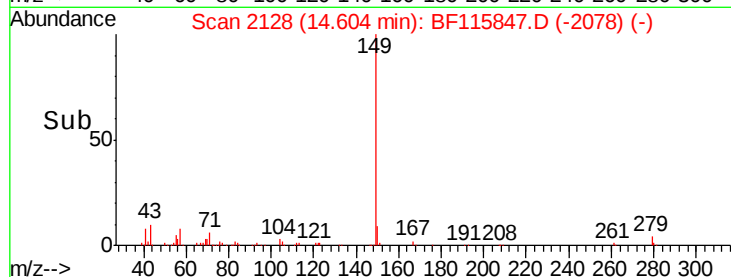
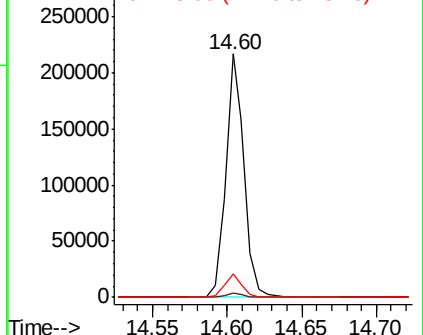
149 100

167 1.5 1.2 1.8

43 9.5 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: 7.488 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF115847.D

Acq: 30 Jul 2019 17:42

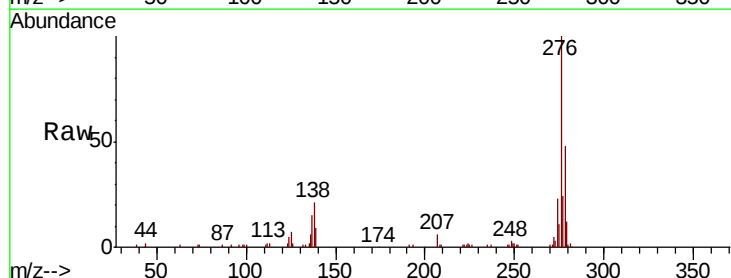
Tgt Ion:276 Resp: 159940

Ion Ratio Lower Upper

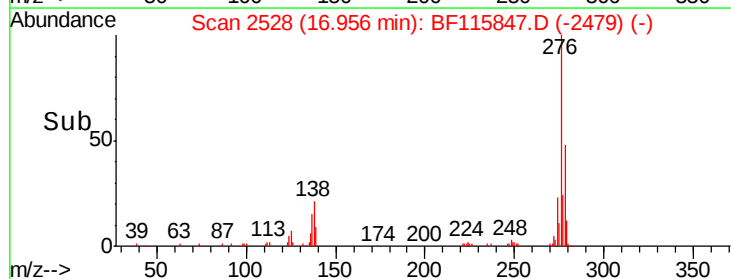
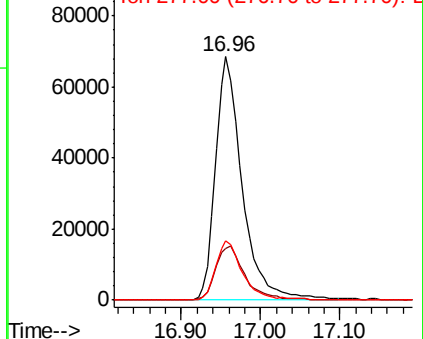
276 100

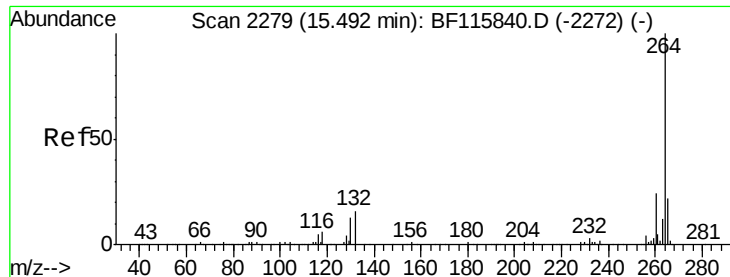
138 24.1 19.6 29.4

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



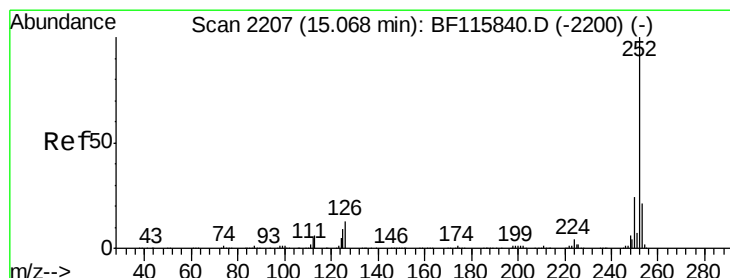
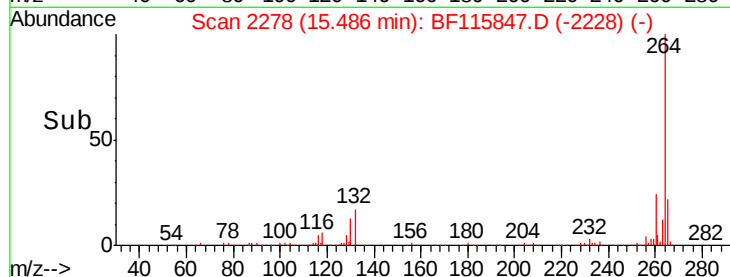
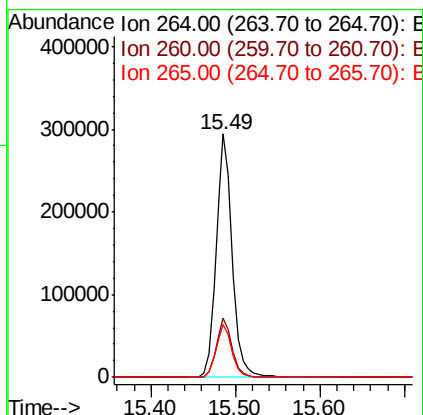
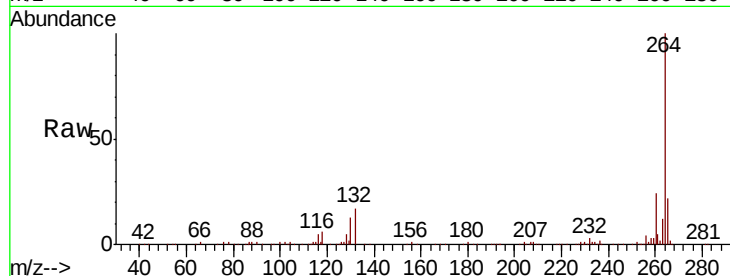


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion: 264 Resp: 394844

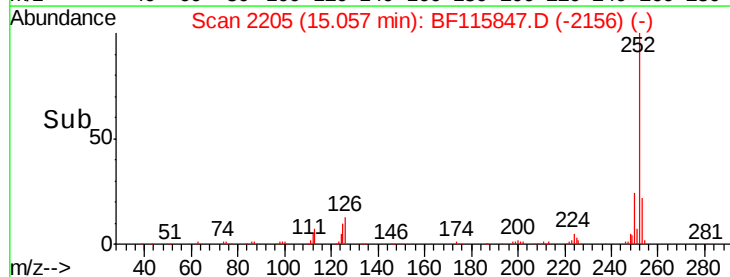
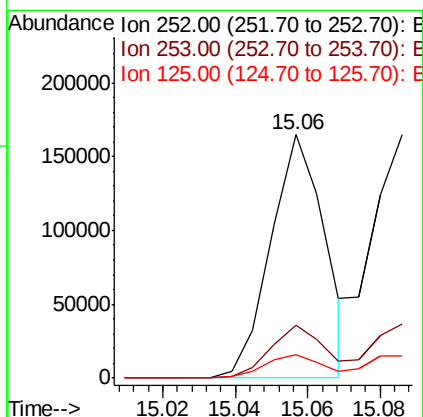
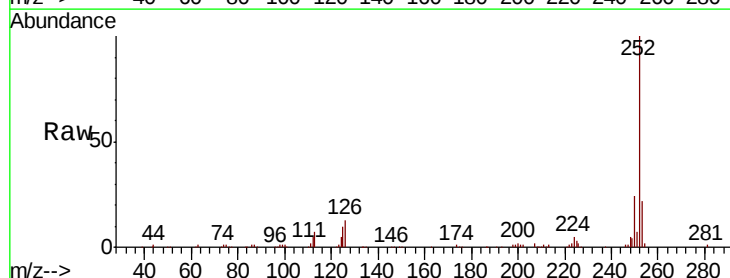
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.9	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 7.514 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 252 Resp: 171547

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	9.8	7.4	11.0

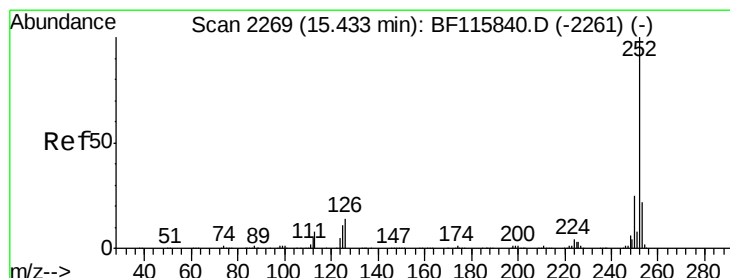
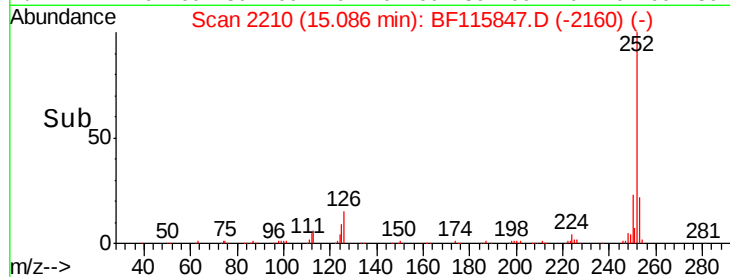
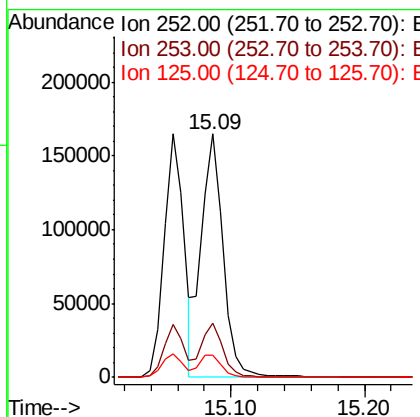
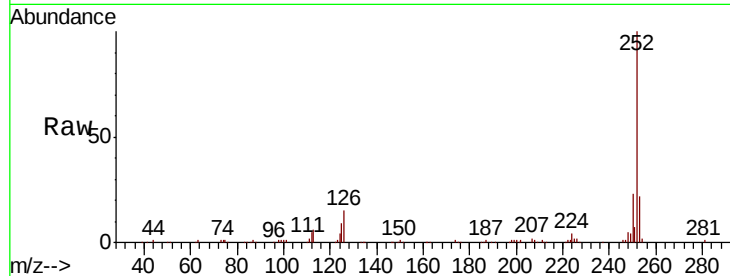




#89
Benzo(k)fluoranthene
Concen: 8.448 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

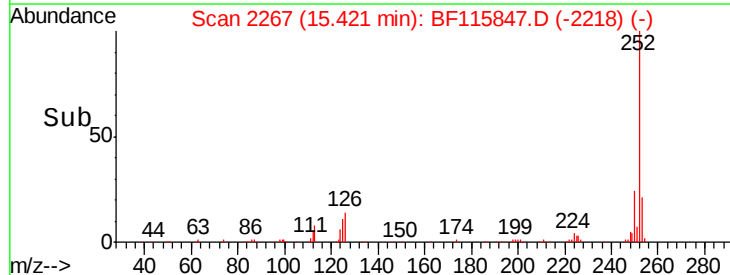
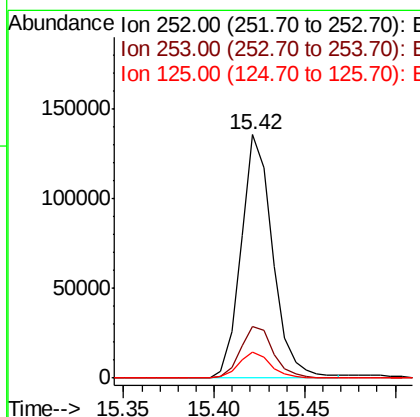
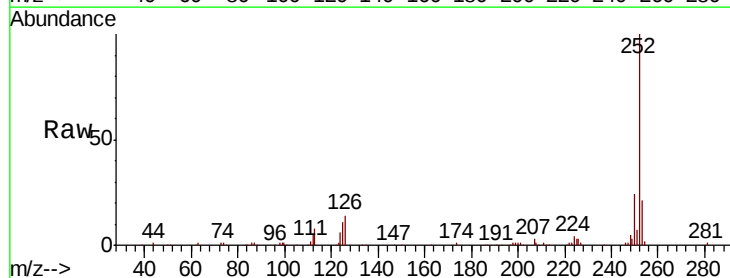
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tgt Ion: 252 Resp: 187868
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.4
125 9.3 8.9 13.3



#90
Benzo(a)pyrene
Concen: 8.045 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 252 Resp: 164178
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.6
125 10.6 8.8 13.2

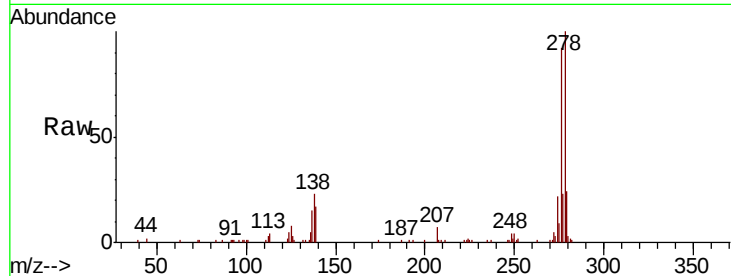




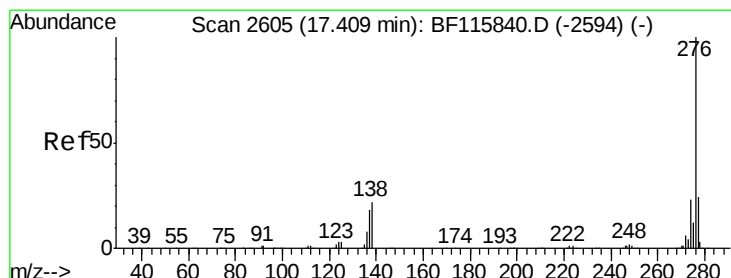
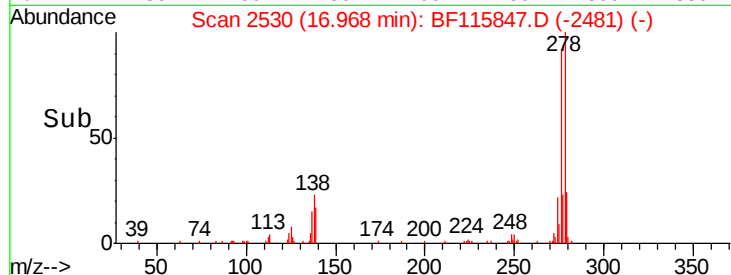
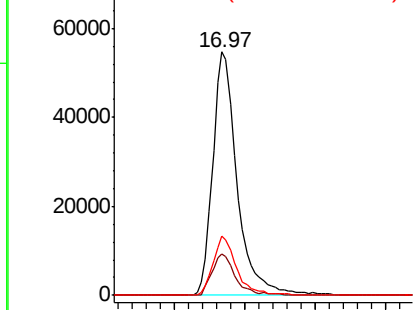
#91
Dibenzo(a,h)anthracene
Concen: 7.457 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

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

Tgt Ion: 278 Resp: 131731
Ion Ratio Lower Upper
278 100
139 16.8 12.6 19.0
279 24.5 18.8 28.2

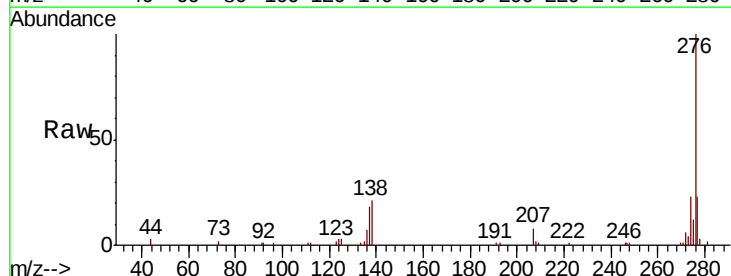


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.325 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BF115847.D
Acq: 30 Jul 2019 17:42

Tgt Ion: 276 Resp: 127082
Ion Ratio Lower Upper
276 100
277 23.0 19.5 29.3
138 21.4 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

