

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073019\
 Data File : BF115848.D
 Acq On : 30 Jul 2019 18:08
 Operator : HP/JU
 Sample : K3591-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Quant Time: Jul 31 04:38:42 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	135875	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	536517	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	283786	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	490329	20.00	ng	0.00
76) Chrysene-d12	14.02	240	386032	20.00	ng	0.00
87) Perylene-d12	15.49	264	369708	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	947700	116.76	ng	0.00
7) Phenol-d6	6.49	99	1199591	117.14	ng	0.00
23) Nitrobenzene-d5	7.42	82	764202	82.22	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	327259	118.94	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1281056	84.55	ng	0.00
79) Terphenyl-d14	12.96	244	1393732	76.08	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	42670	10.406	ng	99
3) Pyridine	3.42	79	89645	7.826	ng	96
4) n-Nitrosodimethylamine	3.30	42	42052	9.303	ng	94
6) Aniline	6.52	93	148764	10.144	ng	99
8) 2-Chlorophenol	6.64	128	92448	10.300	ng	98
9) Benzaldehyde	6.40	77	80976	11.460	ng	98
10) Phenol	6.49	94	127165	10.545	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	88490	9.981	ng	97
12) 1,3-Dichlorobenzene	6.79	146	102951	9.925	ng	98
13) 1,4-Dichlorobenzene	6.87	146	106695	10.273	ng	99
14) 1,2-Dichlorobenzene	7.02	146	97791	10.226	ng	98
15) Benzyl Alcohol	6.99	79	85391	10.988	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	118170	9.772	ng	99
17) 2-Methylphenol	7.10	107	78413	10.318	ng	98
18) Hexachloroethane	7.36	117	36556	9.560	ng	95
19) n-Nitroso-di-n-propylamine	7.26	70	65428	10.311	ng	96
20) 3+4-Methylphenols	7.26	107	102436	11.390	ng	# 56
22) Acetophenone	7.26	105	133869	11.377	ng	99
24) Nitrobenzene	7.43	77	106186	10.580	ng	99
25) Isophorone	7.67	82	179523	10.101	ng	100
26) 2-Nitrophenol	7.75	139	45202	9.555	ng	99
27) 2,4-Dimethylphenol	7.78	122	80259	11.276	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	110713	10.050	ng	99
29) 2,4-Dichlorophenol	7.99	162	76790	10.218	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	85846	10.021	ng	99
31) Naphthalene	8.15	128	280387	11.106	ng	98
32) Benzoic acid	7.87	122	30752	6.128	ng	98
33) 4-Chloroaniline	8.20	127	114231	10.126	ng	97
34) Hexachlorobutadiene	8.27	225	48009	9.730	ng	99
35) Caprolactam	8.55	113	23497	9.667	ng	98
36) 4-Chloro-3-methylphenol	8.69	107	80564	10.305	ng	99
37) 2-Methylnaphthalene	8.85	142	185721	11.169	ng	98
38) 1-Methylnaphthalene	8.95	142	170901	10.864	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	81460	10.737	ng	99

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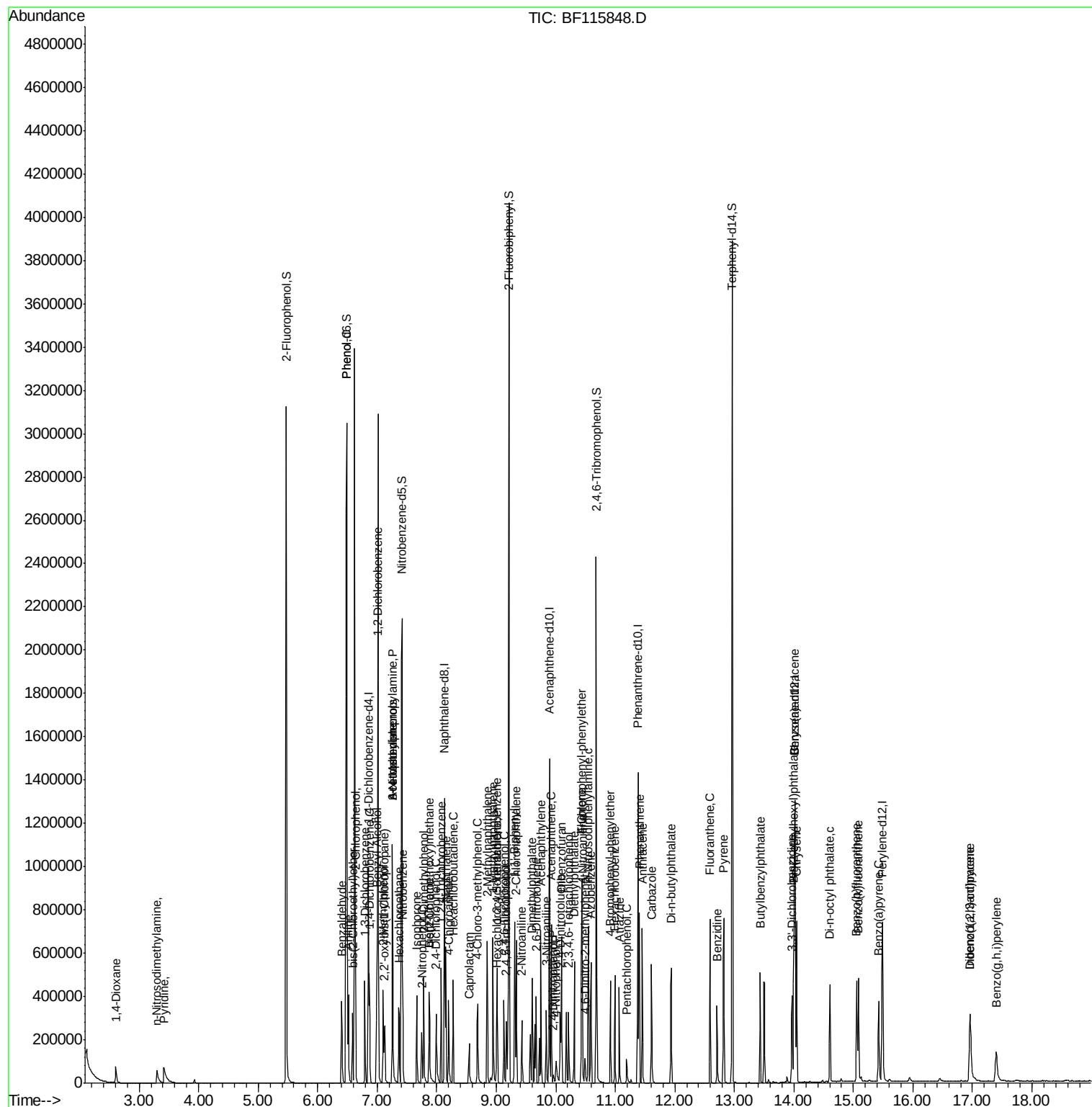
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	17979	6.063	ng	98
43) 2,4,6-Trichlorophenol	9.13	196	49102	9.403	ng	99
44) 2,4,5-Trichlorophenol	9.17	196	53279	9.870	ng	# 93
46) 1,1'-Biphenyl	9.31	154	229485	11.454	ng	98
47) 2-Chloronaphthalene	9.34	162	172108	10.321	ng	99
48) 2-Nitroaniline	9.43	65	51134	9.277	ng	84
49) Acenaphthylene	9.75	152	272101	11.185	ng	98
50) Dimethylphthalate	9.60	163	191387	9.905	ng	99
51) 2,6-Dinitrotoluene	9.67	165	41144	9.798	ng	89
52) Acenaphthene	9.93	154	161803	10.841	ng	99
53) 3-Nitroaniline	9.84	138	46991	9.057	ng	93
54) 2,4-Dinitrophenol	9.96	184	8932	5.009	ng	95
55) Dibenzofuran	10.10	168	244516	11.266	ng	99
56) 4-Nitrophenol	10.00	139	26551	7.988	ng	93
57) 2,4-Dinitrotoluene	10.07	165	53304	9.534	ng	87
58) Fluorene	10.44	166	188588	11.294	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.22	232	42745	9.412	ng	97
60) Diethylphthalate	10.31	149	179430	9.946	ng	98
61) 4-Chlorophenyl-phenylether	10.43	204	90270	10.674	ng	95
62) 4-Nitroaniline	10.45	138	49566	9.244	ng	98
63) Azobenzene	10.59	77	196066	10.567	ng	98
65) 4,6-Dinitro-2-methylphenol	10.49	198	18502	7.120	ng	95
66) n-Nitrosodiphenylamine	10.54	169	161984	10.976	ng	99
67) 4-Bromophenyl-phenylether	10.92	248	52464	9.995	ng	94
68) Hexachlorobenzene	10.99	284	59707	9.837	ng	97
69) Atrazine	11.07	200	47295	9.741	ng	99
70) Pentachlorophenol	11.19	266	21861	7.419	ng	99
71) Phenanthrene	11.40	178	280095	11.174	ng	99
72) Anthracene	11.45	178	285234	11.244	ng	100
73) Carbazole	11.61	167	252604	10.975	ng	96
74) Di-n-butylphthalate	11.94	149	261086	9.724	ng	98
75) Fluoranthene	12.59	202	286769	10.928	ng	99
77) Benzidine	12.71	184	132420	10.154	ng	98
78) Pyrene	12.82	202	297316	10.217	ng	97
80) Butylbenzylphthalate	13.43	149	101457	8.242	ng	95
81) Benzo(a)anthracene	14.01	228	246938	10.008	ng	98
82) 3,3'-Dichlorobenzidine	13.97	252	88085	10.276	ng	98
83) Chrysene	14.04	228	243913	10.182	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	137194	8.577	ng	98
85) Di-n-octyl phthalate	14.60	149	215922	8.498	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	183473	9.119	ng	99
88) Benzo(b)fluoranthene	15.06	252	222811	10.423	ng	99
89) Benzo(k)fluoranthene	15.09	252	200647	9.637	ng	97
90) Benzo(a)pyrene	15.42	252	192437	10.070	ng	100
91) Dibenzo(a,h)anthracene	16.97	278	153822	9.299	ng	99
92) Benzo(g,h,i)perylene	17.40	276	147866	9.102	ng	98

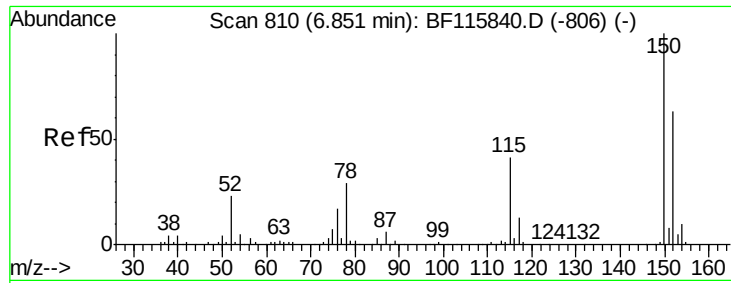
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

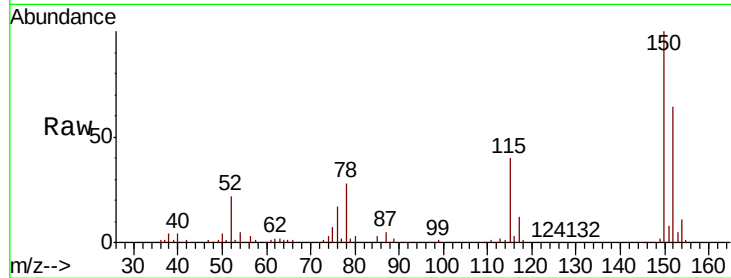
Tgt Ion: 152 Resp: 135875

Ion Ratio Lower Upper

152 100

150 157.1 127.4 191.0

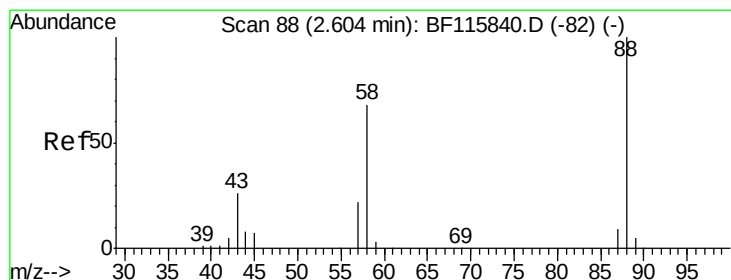
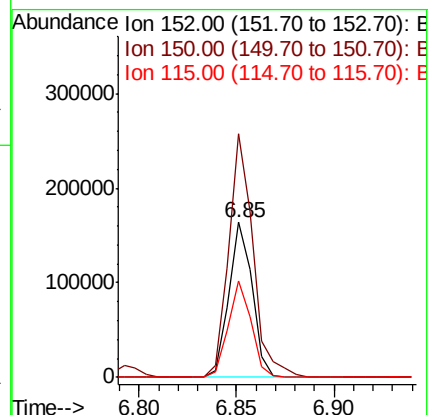
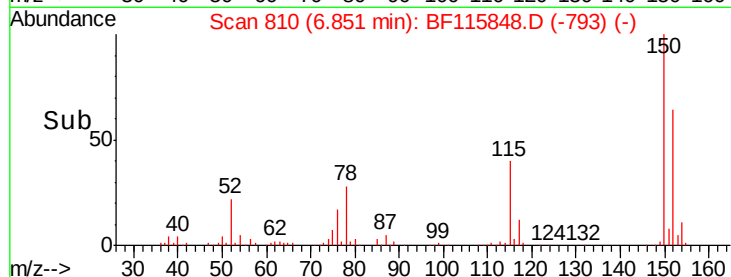
115 62.5 51.8 77.8



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: 10.406 ng

RT: 2.61 min Scan# 89

Delta R.T. 0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

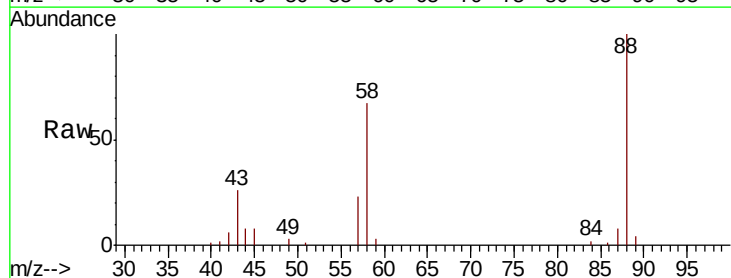
Tgt Ion: 88 Resp: 42670

Ion Ratio Lower Upper

88 100

58 67.4 54.1 81.1

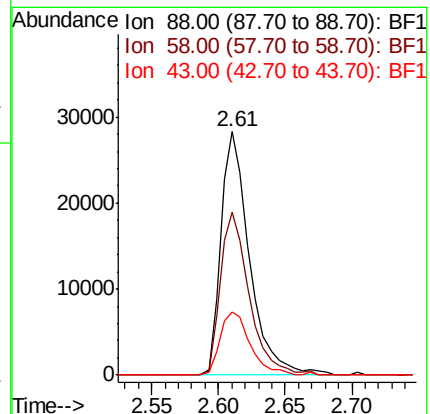
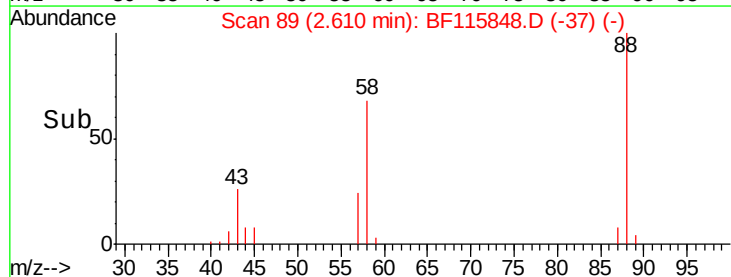
43 27.3 20.7 31.1

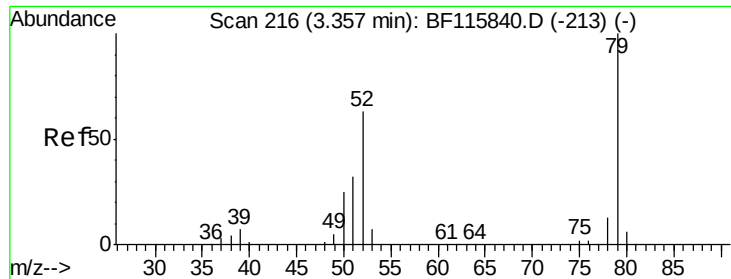


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 7.826 ng

RT: 3.42 min Scan# 226

Delta R.T. 0.06 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

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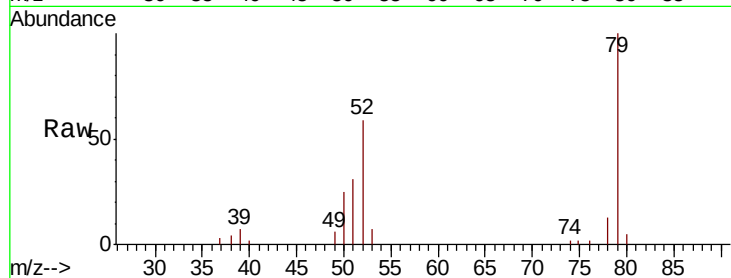
Tgt Ion: 79 Resp: 89645

Ion Ratio Lower Upper

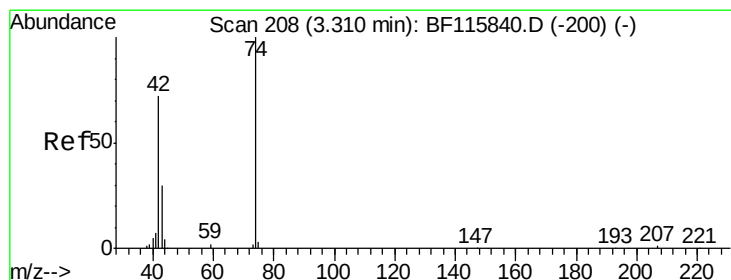
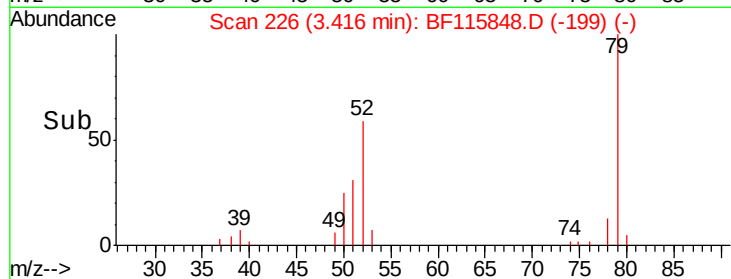
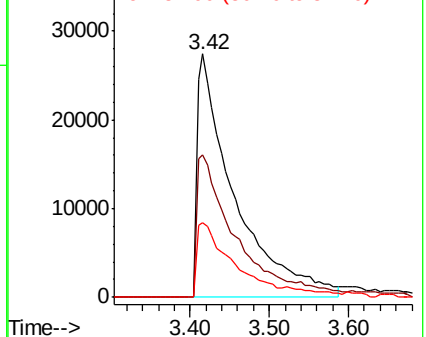
79 100

52 58.6 50.2 75.4

51 30.8 25.8 38.6



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



#4

n-Nitrosodimethylamine

Concen: 9.303 ng

RT: 3.30 min Scan# 206

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

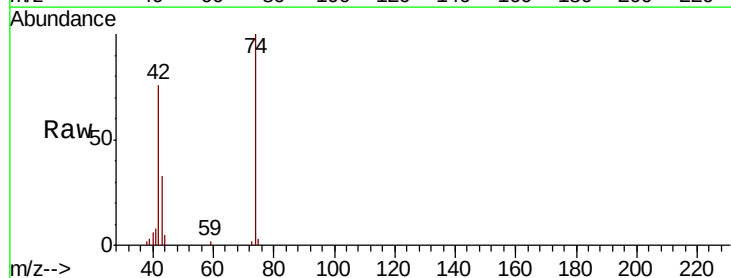
Tgt Ion: 42 Resp: 42052

Ion Ratio Lower Upper

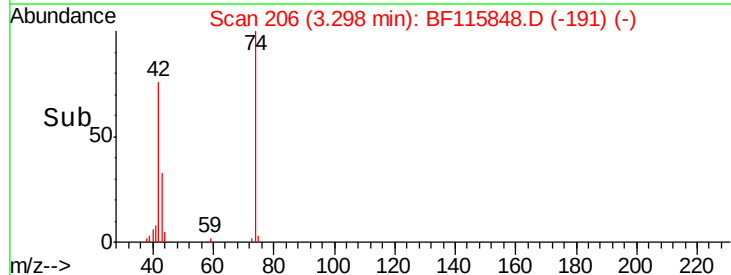
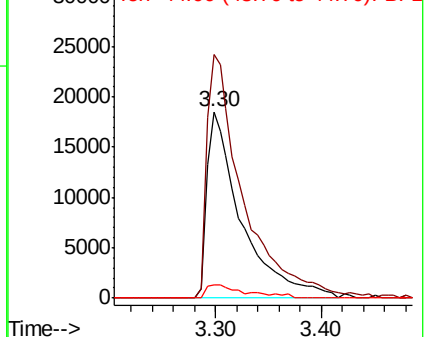
42 100

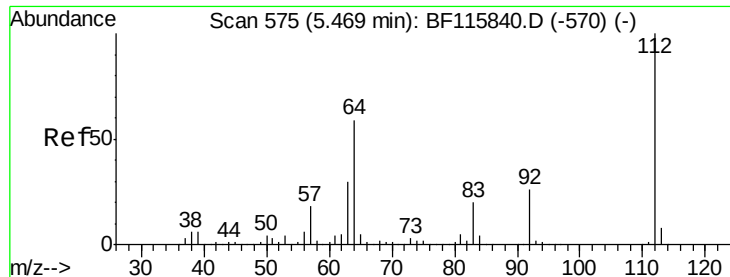
74 130.8 111.0 166.4

44 7.0 4.7 7.1



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





#5

2-Fluorophenol

Concen: 116.762 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

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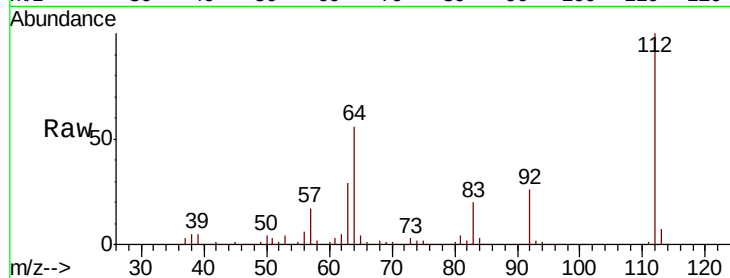
Tgt Ion: 112 Resp: 947700

Ion Ratio Lower Upper

112 100

64 55.8 46.8 70.2

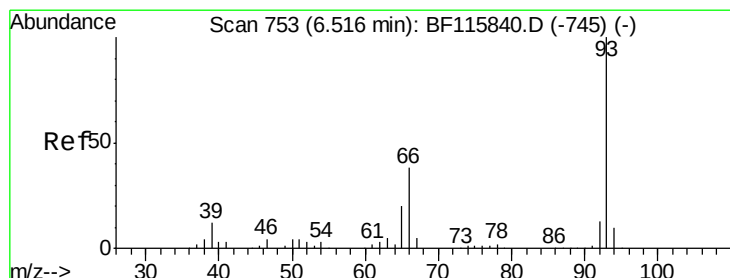
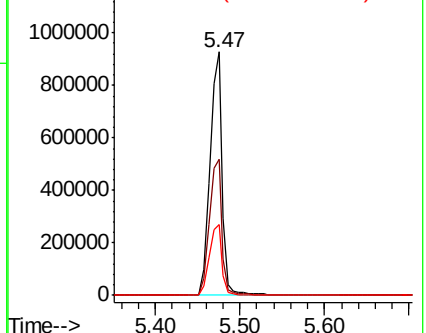
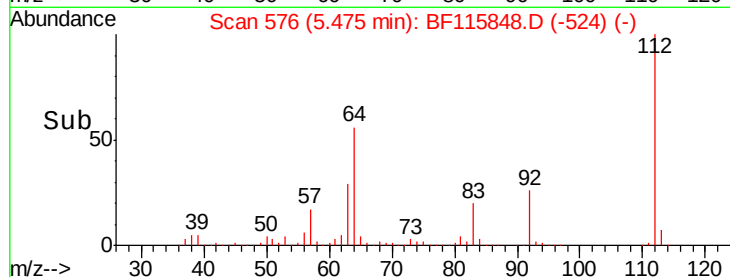
63 29.2 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 10.144 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

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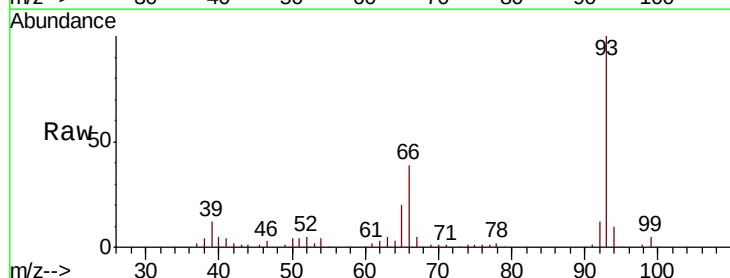
Tgt Ion: 93 Resp: 148764

Ion Ratio Lower Upper

93 100

66 38.6 31.4 47.0

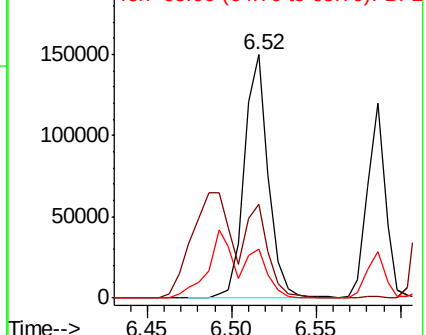
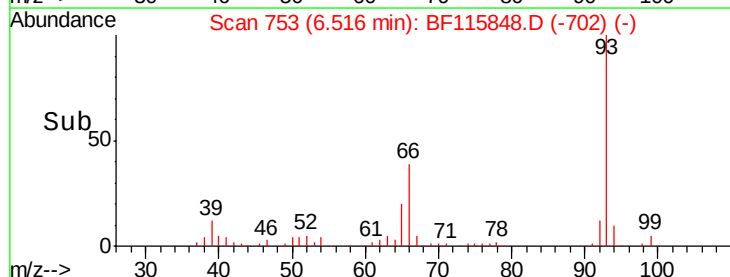
65 19.9 16.5 24.7

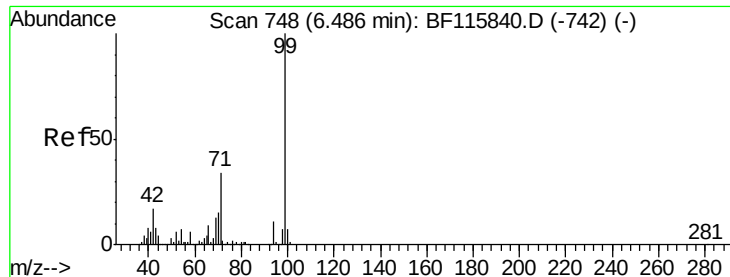


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 117.143 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

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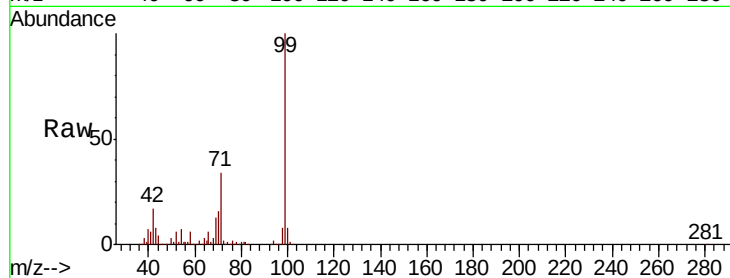
Tgt Ion: 99 Resp: 1199591

Ion Ratio Lower Upper

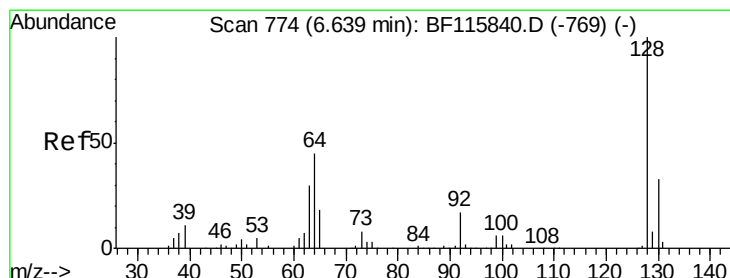
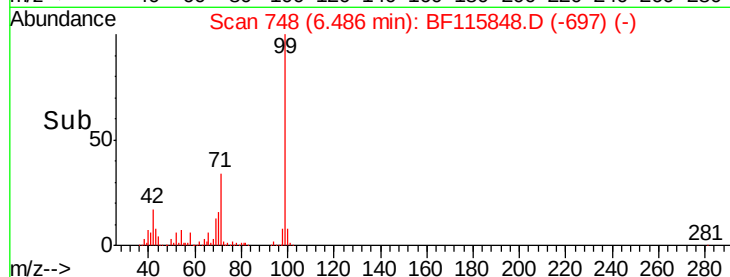
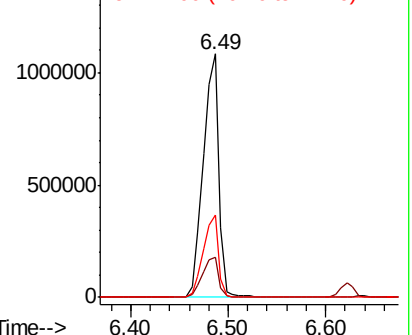
99 100

42 16.7 13.8 20.6

71 33.6 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: 10.300 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

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Acq: 30 Jul 2019 18:08

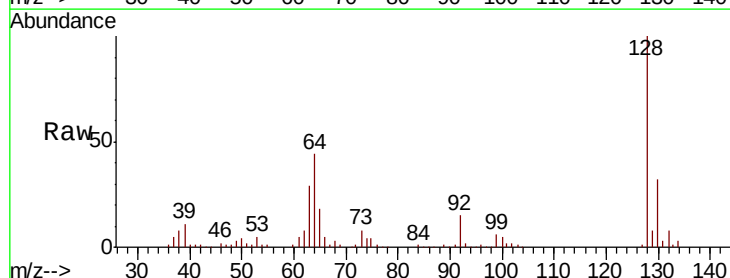
Tgt Ion: 128 Resp: 92448

Ion Ratio Lower Upper

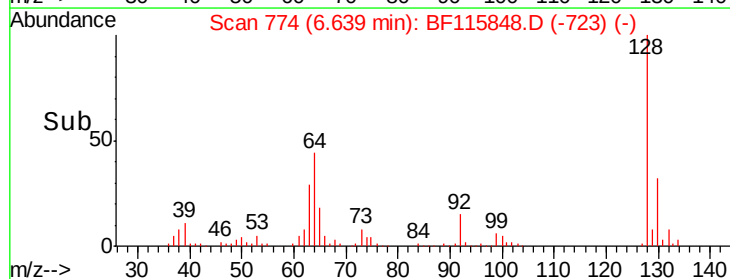
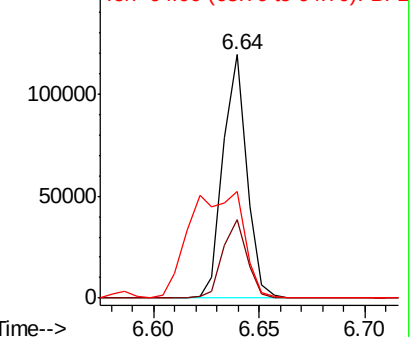
128 100

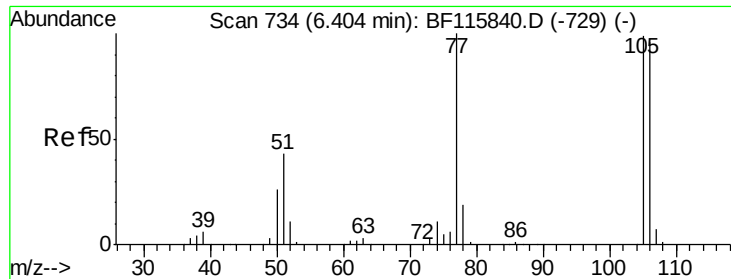
130 32.2 12.9 52.9

64 44.1 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: 11.460 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

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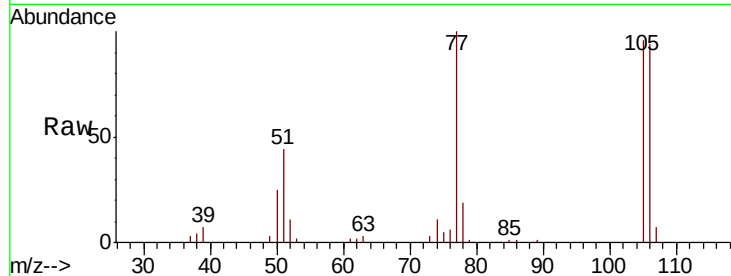
Tgt Ion: 77 Resp: 80976

Ion Ratio Lower Upper

77 100

105 96.0 79.0 119.0

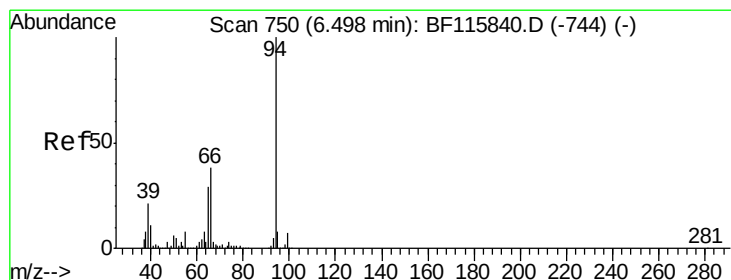
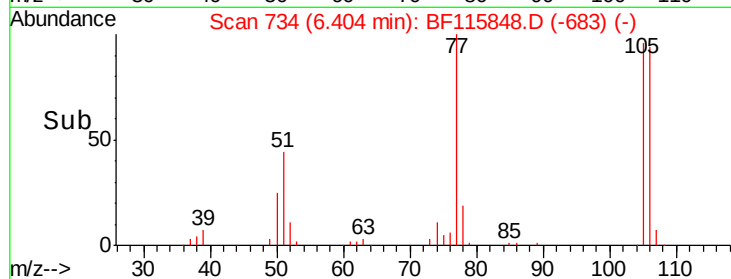
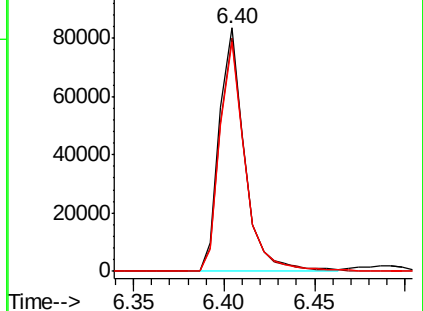
106 94.4 76.2 116.2



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 10.545 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

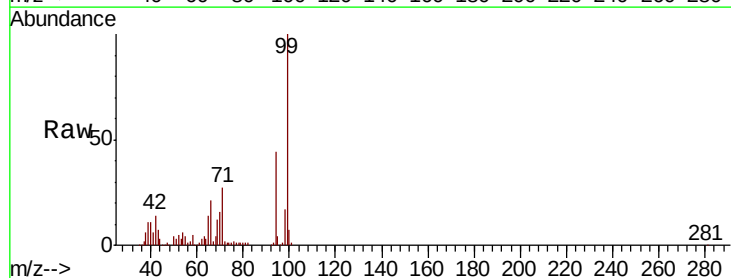
Tgt Ion: 94 Resp: 127165

Ion Ratio Lower Upper

94 100

65 30.7 8.9 48.9

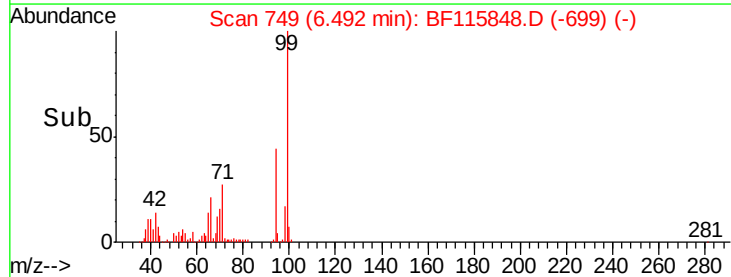
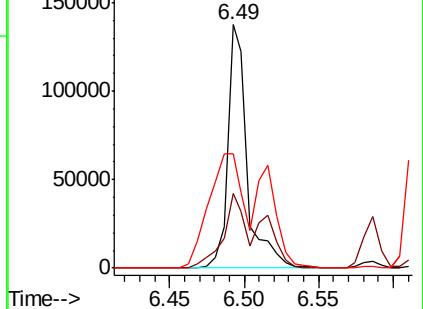
66 47.0 18.0 58.0

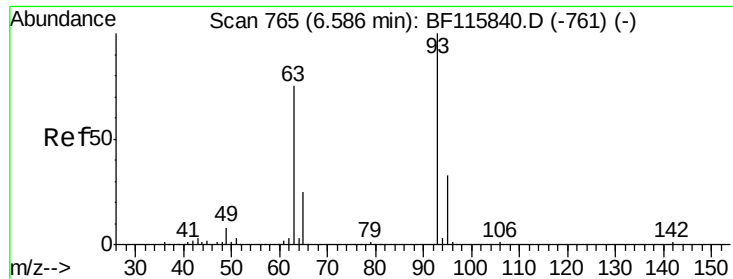


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

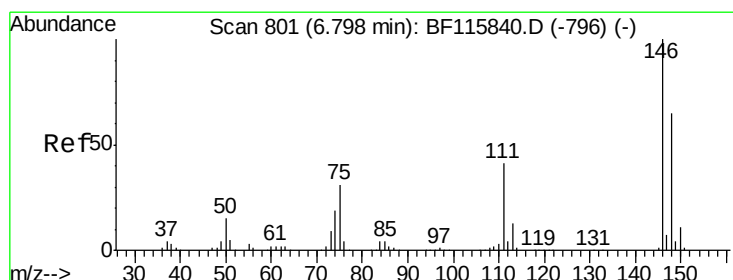
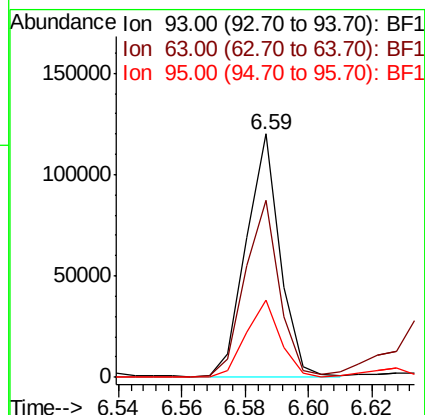
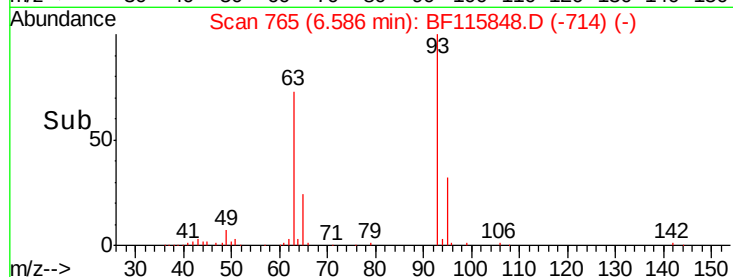
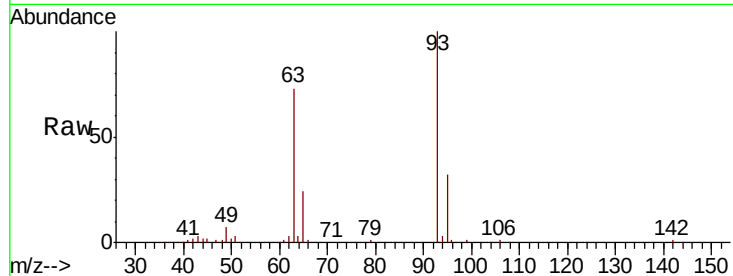




#11
bis(2-Chloroethyl)ether
Concen: 9.981 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

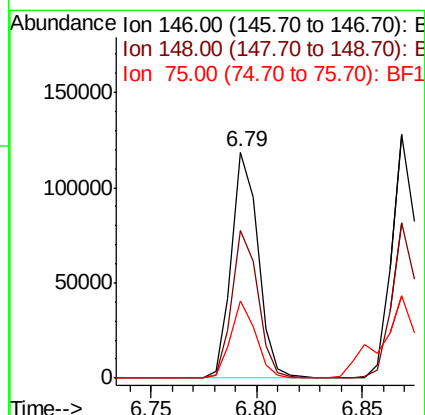
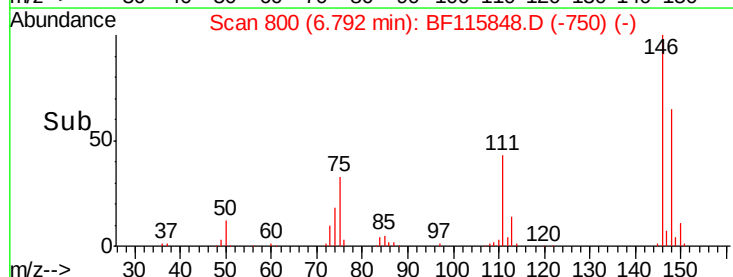
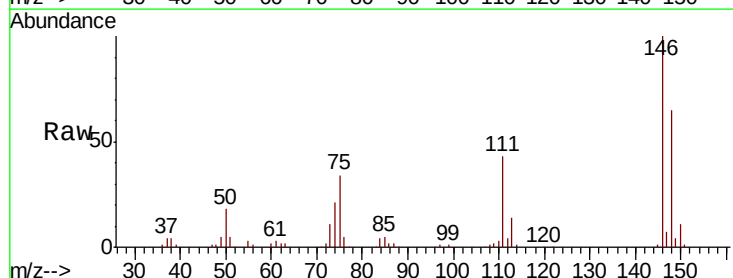
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

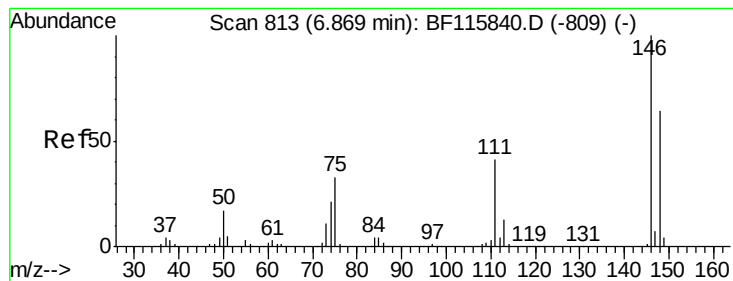
Tgt Ion: 93 Resp: 88490
Ion Ratio Lower Upper
93 100
63 72.9 54.9 94.9
95 31.6 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 9.925 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion: 146 Resp: 102951
Ion Ratio Lower Upper
146 100
148 65.4 52.1 78.1
75 34.4 25.0 37.6





#13

1,4-Dichlorobenzene

Concen: 10.273 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

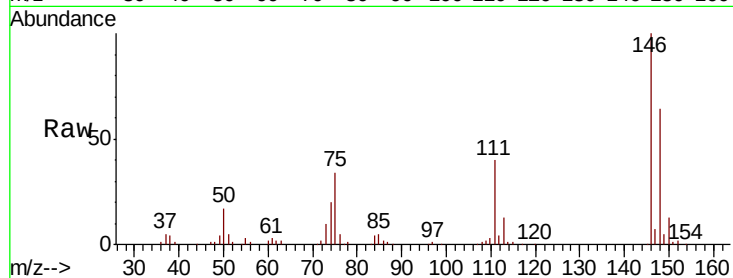
Tgt Ion:146 Resp: 106695

Ion Ratio Lower Upper

146 100

148 63.7 51.2 76.8

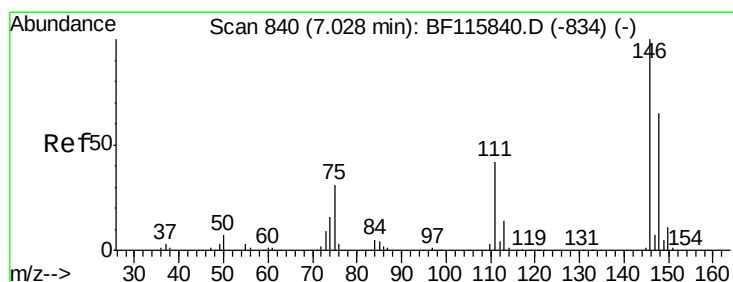
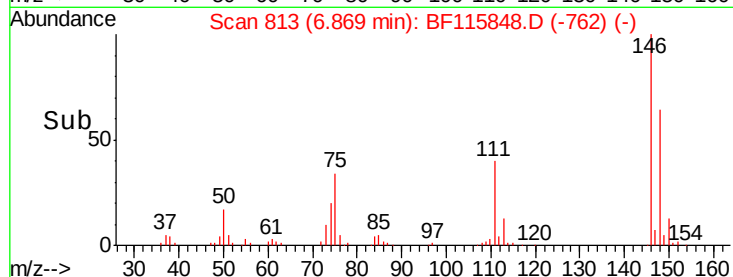
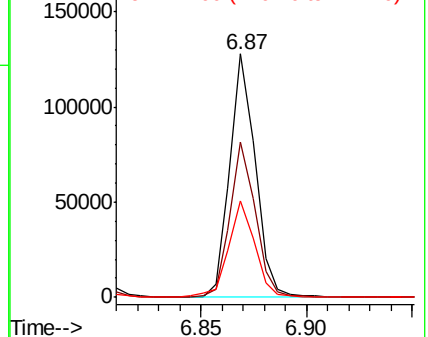
111 39.8 33.2 49.8



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: 10.226 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

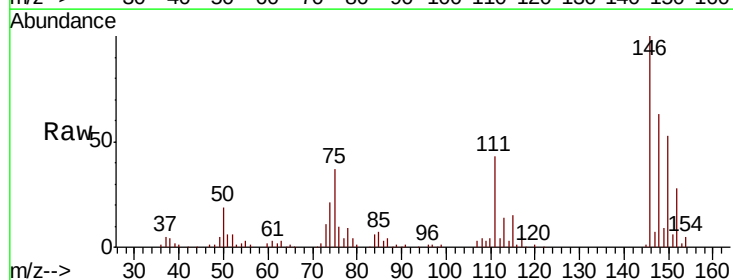
Tgt Ion:146 Resp: 97791

Ion Ratio Lower Upper

146 100

148 62.9 51.6 77.4

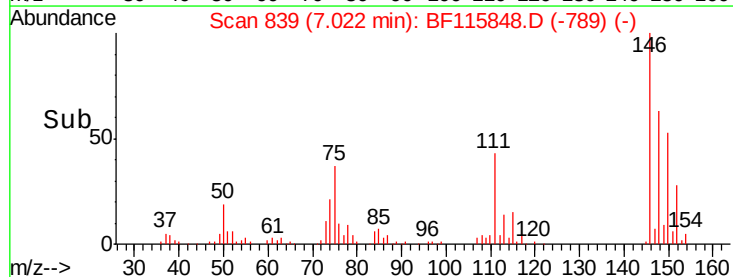
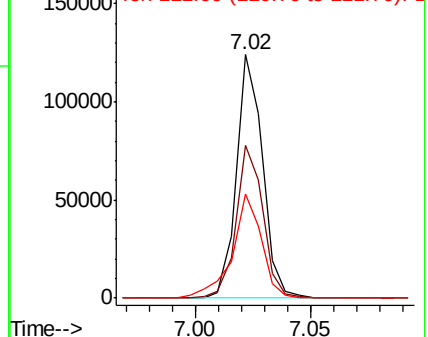
111 42.8 33.6 50.4

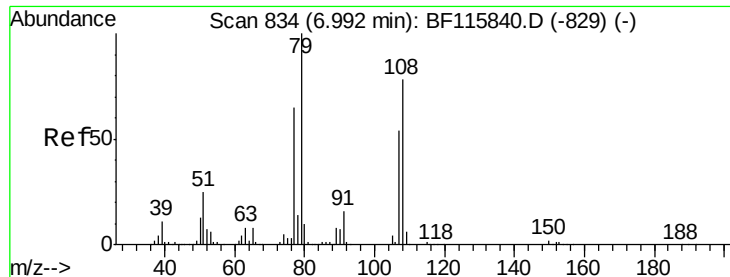


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 10.988 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

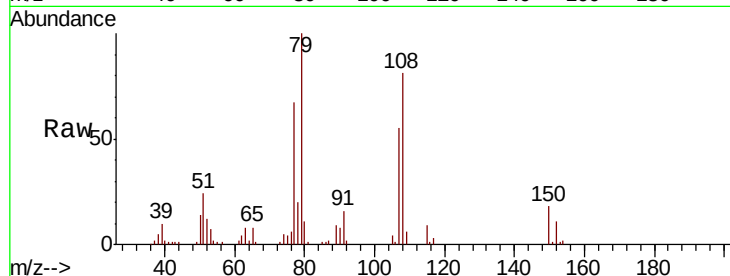
Tgt Ion: 79 Resp: 85391

Ion Ratio Lower Upper

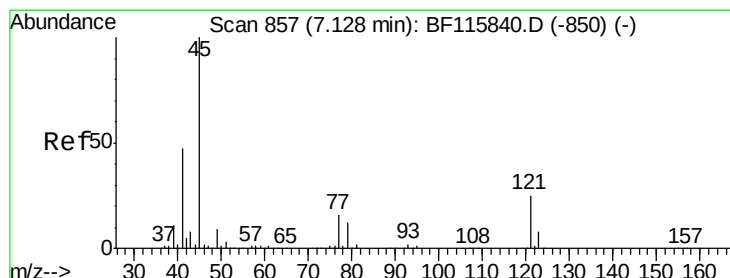
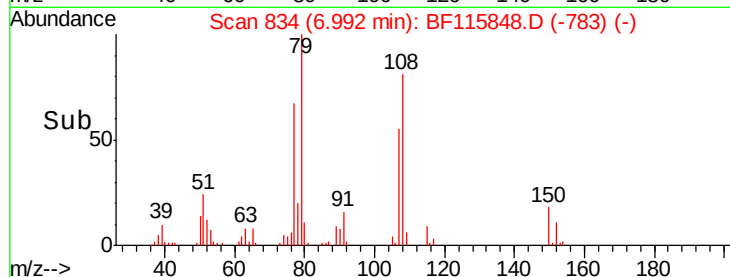
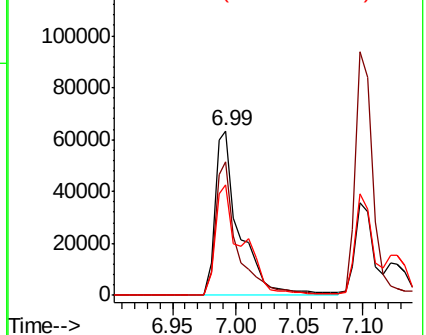
79 100

108 81.1 62.8 94.2

77 66.9 52.0 78.0



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 9.772 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

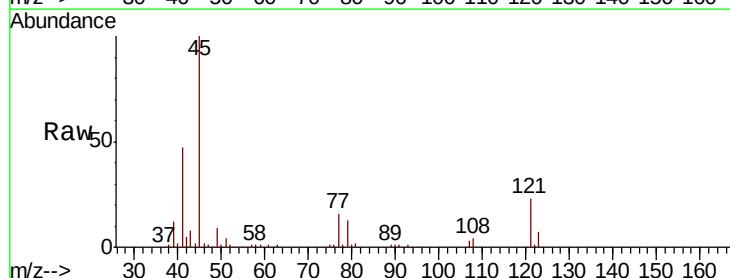
Tgt Ion: 45 Resp: 118170

Ion Ratio Lower Upper

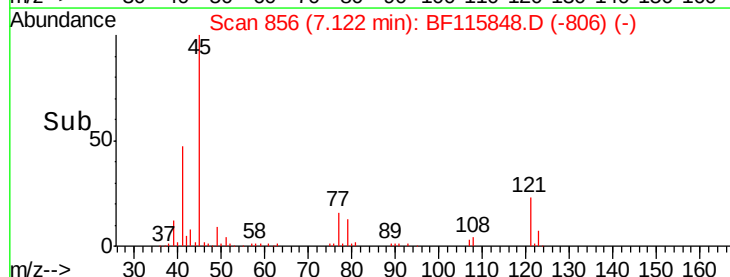
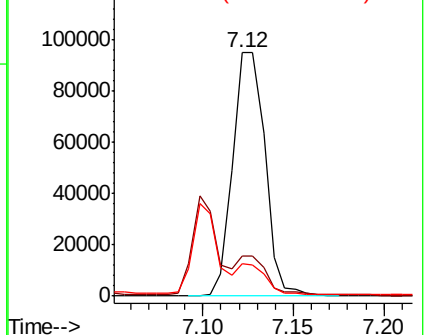
45 100

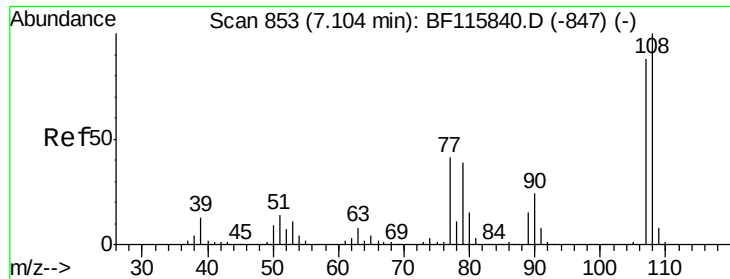
77 16.3 0.0 36.3

79 13.3 0.0 32.5



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

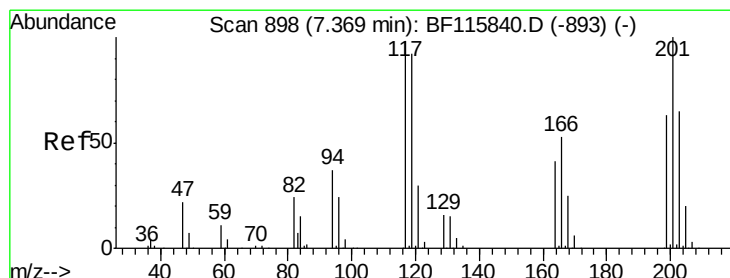
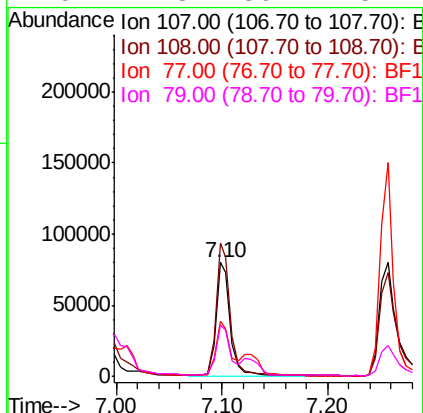
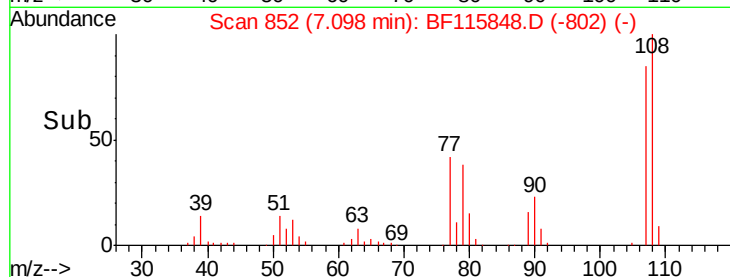
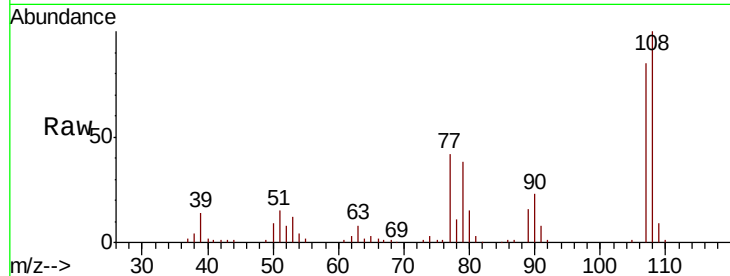




#17
2-Methylphenol
Concen: 10.318 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

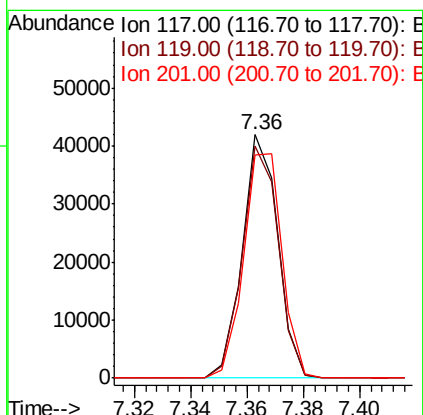
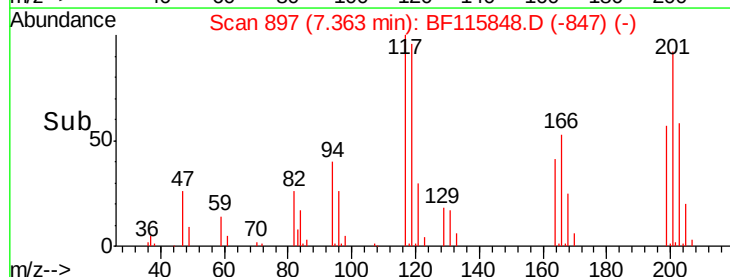
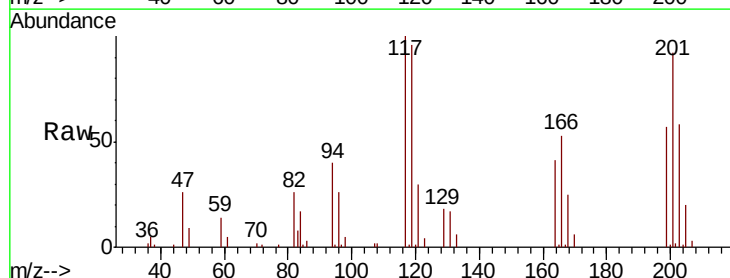
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

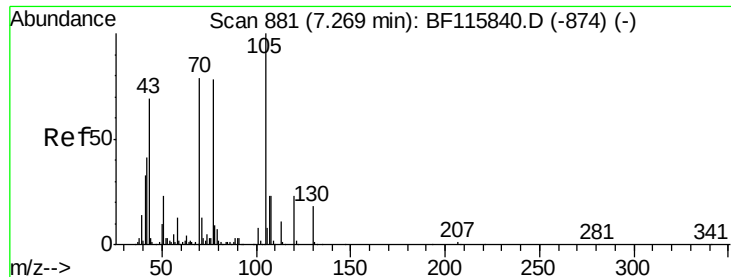
Tgt Ion:107 Resp: 78413
Ion Ratio Lower Upper
107 100
108 117.1 91.4 137.0
77 48.8 37.6 56.4
79 44.8 36.2 54.4



#18
Hexachloroethane
Concen: 9.560 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion:117 Resp: 36556
Ion Ratio Lower Upper
117 100
119 95.6 75.8 113.6
201 93.8 82.0 123.0

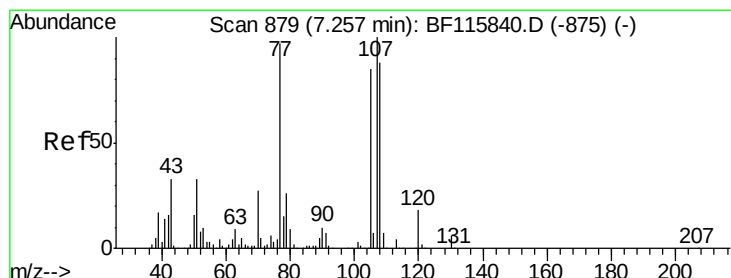
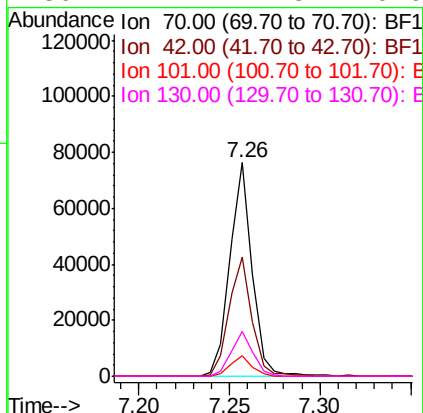
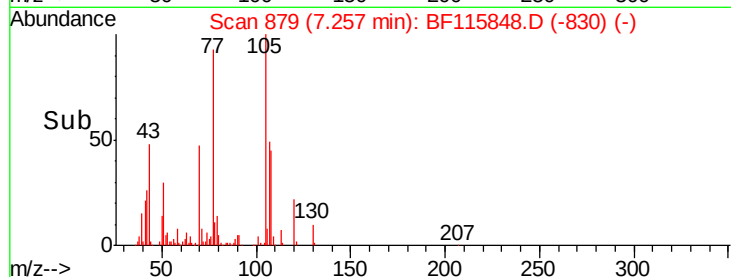
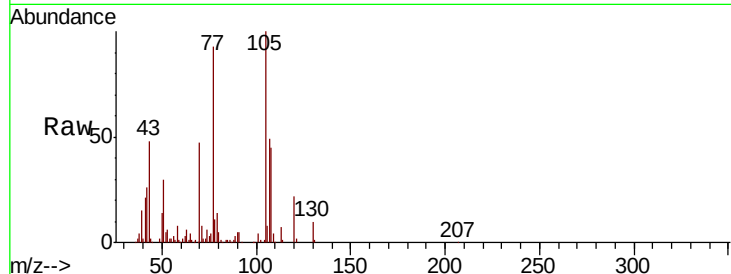




#19
n-Nitroso-di-n-propylamine
Concen: 10.311 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

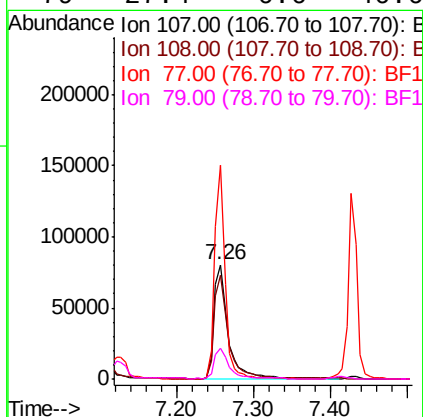
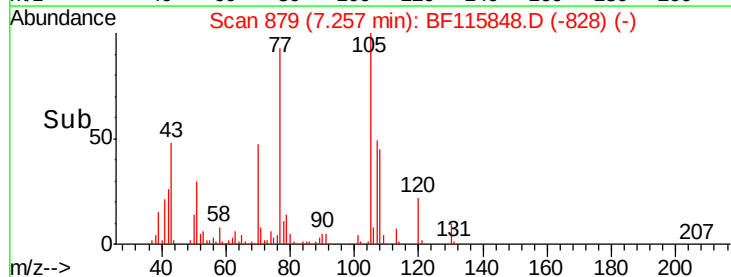
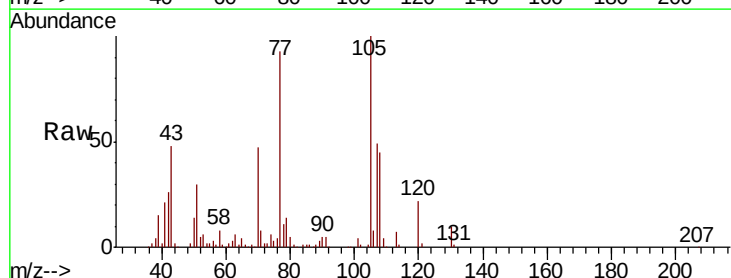
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

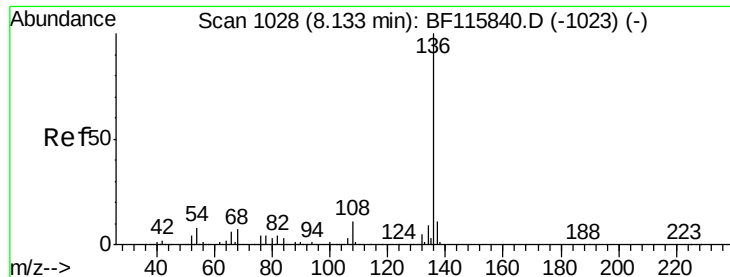
Tgt Ion: 70 Resp: 65428
Ion Ratio Lower Upper
70 100
42 55.8 41.8 62.8
101 9.3 7.7 11.5
130 21.1 17.8 26.6



#20
3+4-Methylphenols
Concen: 11.390 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion: 107 Resp: 102436
Ion Ratio Lower Upper
107 100
108 91.1 67.9 107.9
77 187.2 77.3 117.3#
79 27.4 6.6 46.6

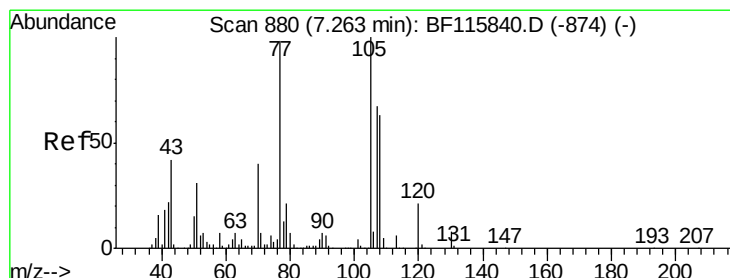
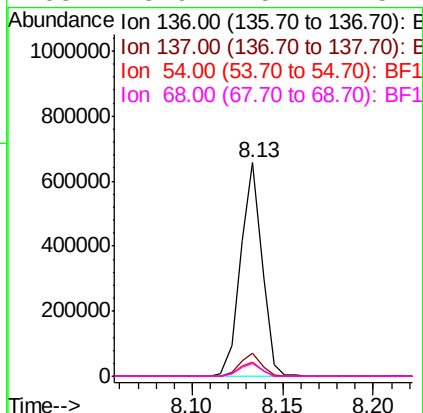
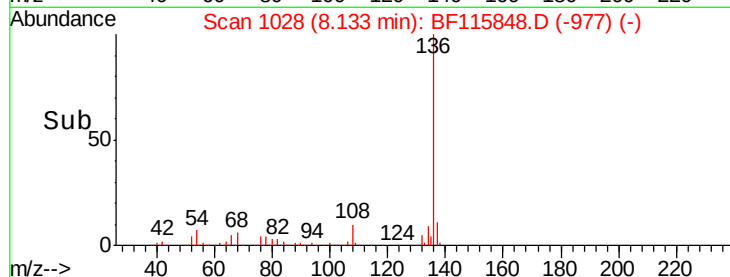
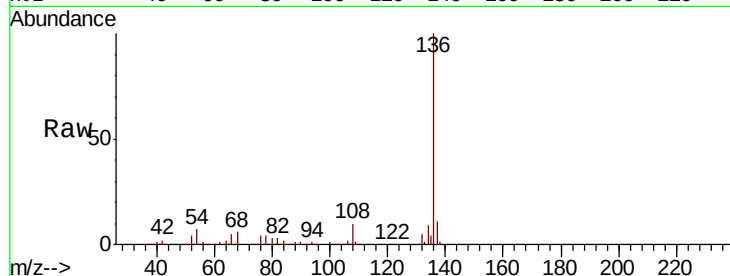




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

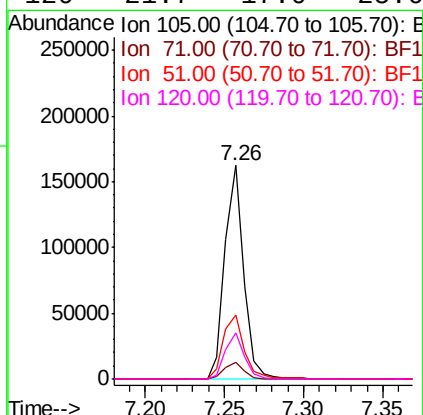
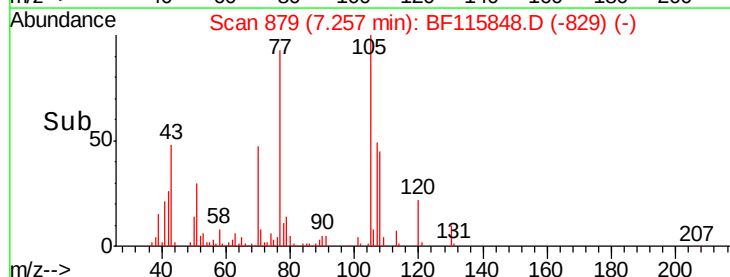
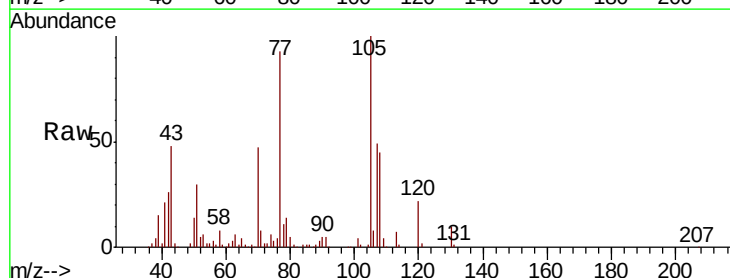
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

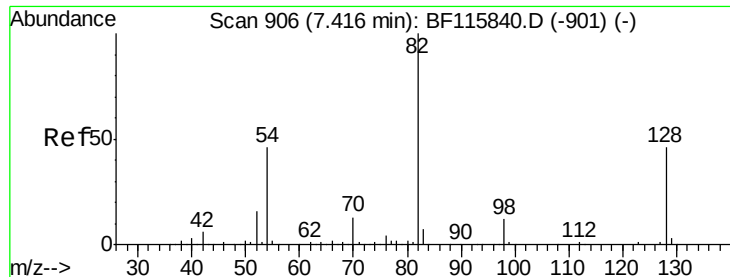
Tgt Ion:	136	Resp:	536517
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.8	6.1	9.1
68	5.9	5.4	8.2



#22
Acetophenone
Concen: 11.377 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion:	105	Resp:	133869
Ion	Ratio	Lower	Upper
105	100		
71	7.8	5.4	8.0
51	29.8	24.6	36.8
120	21.7	17.0	25.6

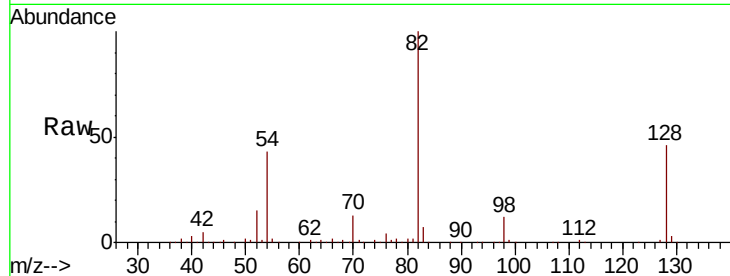




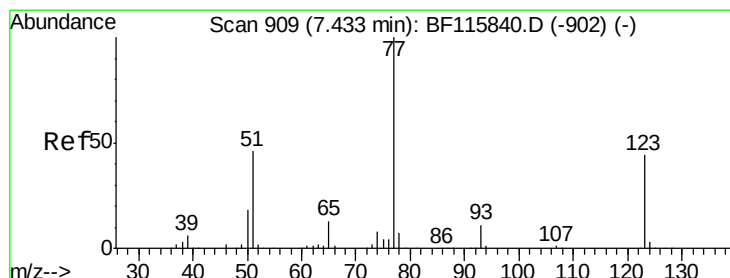
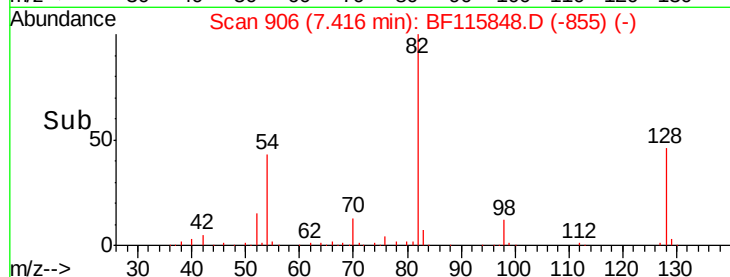
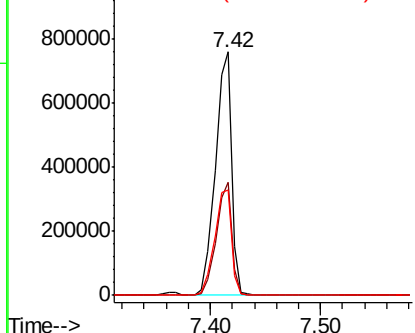
#23
 Nitrobenzene-d5
 Concen: 82.219 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tgt Ion: 82 Resp: 764202
 Ion Ratio Lower Upper
 82 100
 128 46.4 36.6 55.0
 54 43.4 36.6 55.0

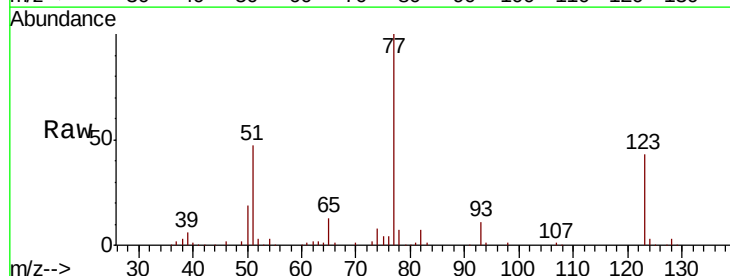


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

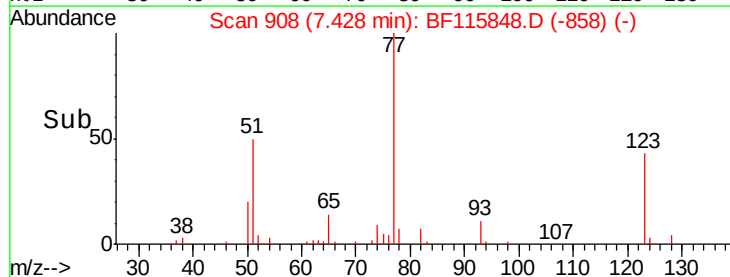
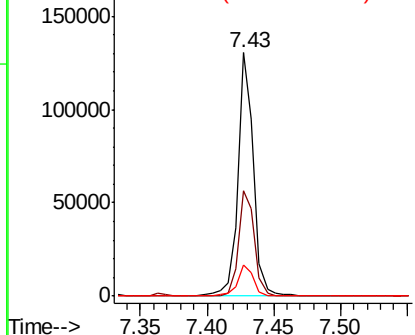


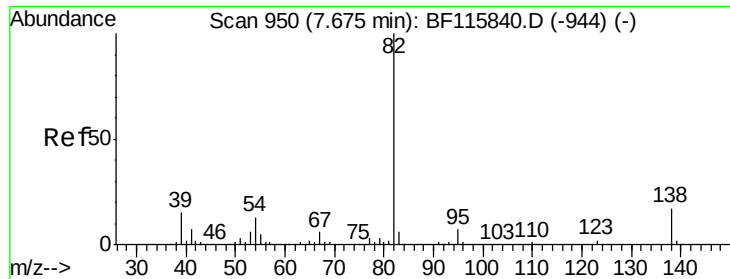
#24
 Nitrobenzene
 Concen: 10.580 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion: 77 Resp: 106186
 Ion Ratio Lower Upper
 77 100
 123 43.3 35.5 53.3
 65 12.8 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: 10.101 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

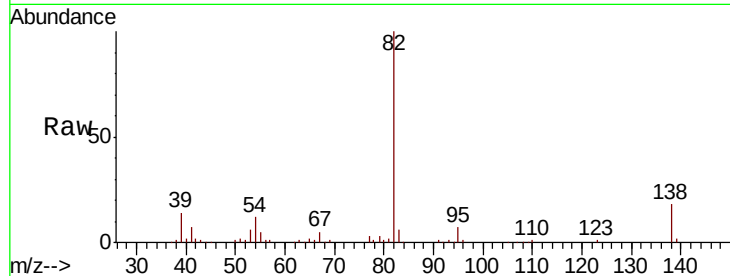
Tgt Ion: 82 Resp: 179523

Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

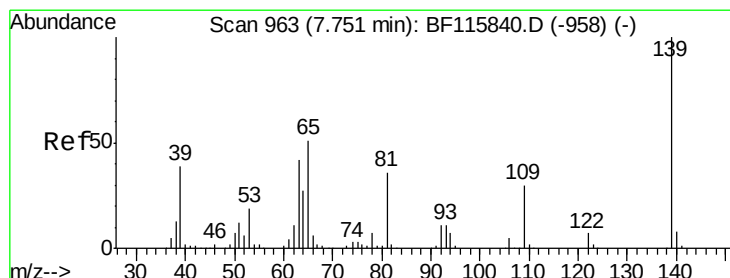
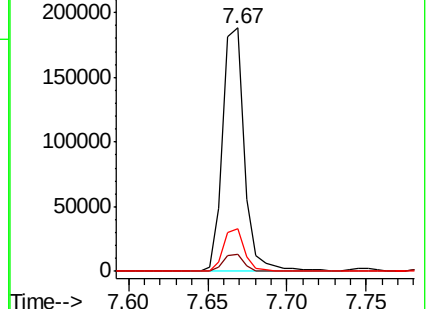
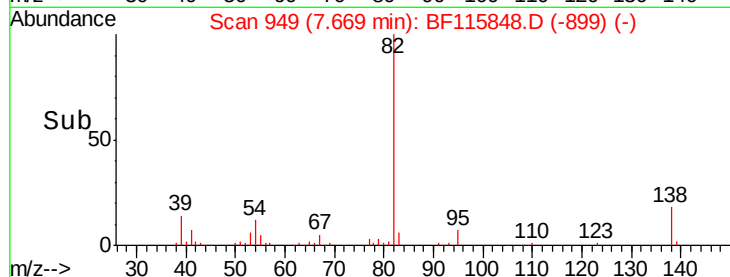
138 17.5 13.9 20.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 9.555 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

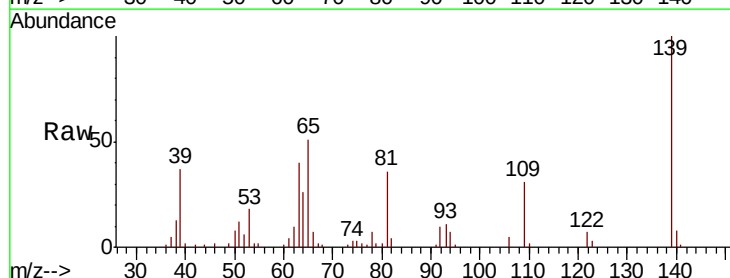
Tgt Ion: 139 Resp: 45202

Ion Ratio Lower Upper

139 100

109 31.0 23.6 35.4

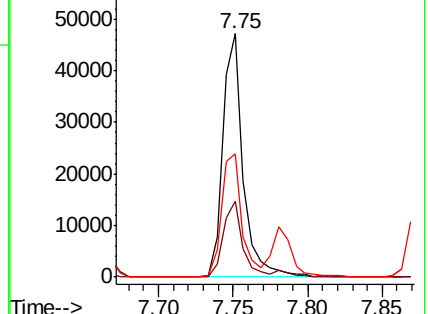
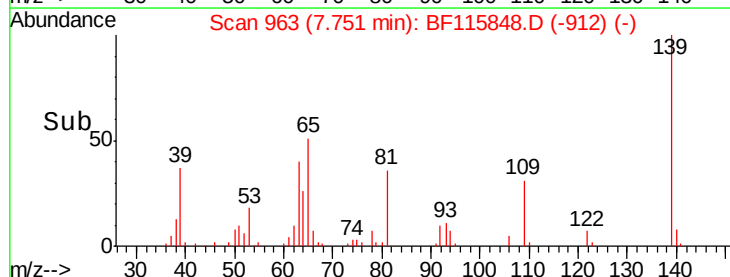
65 50.7 40.6 60.8

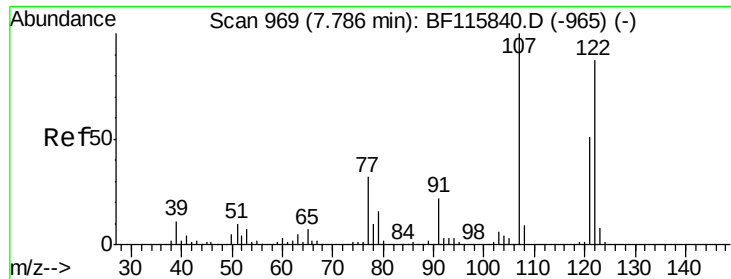


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

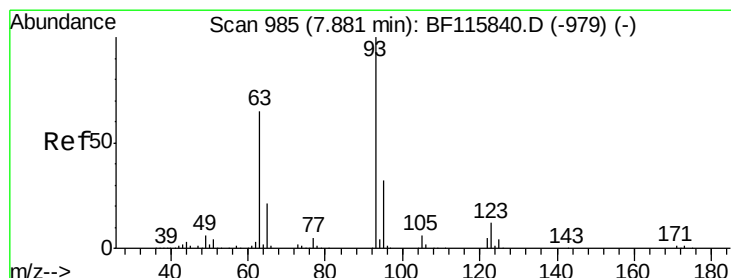
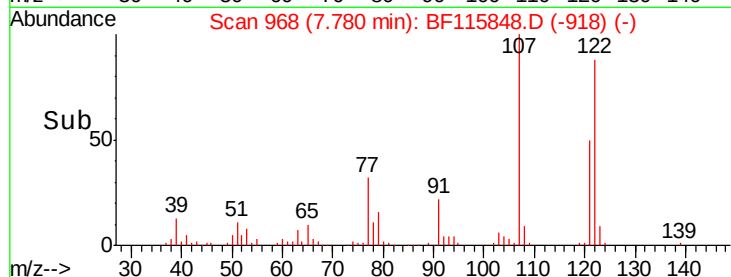
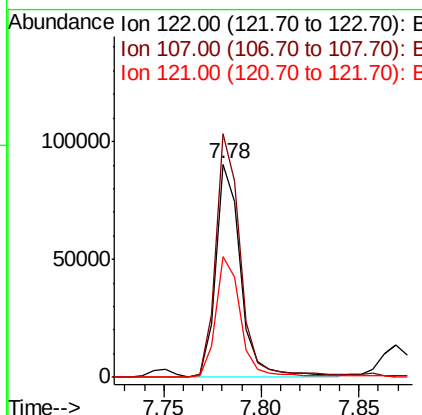
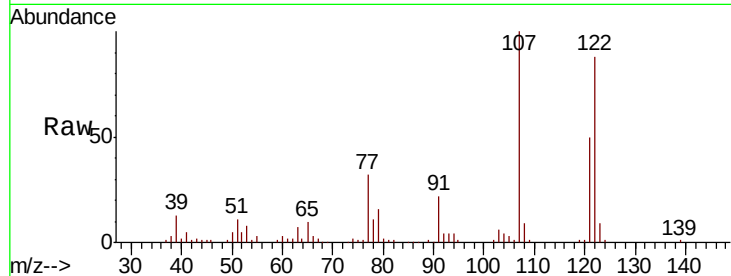




#27
 2,4-Dimethylphenol
 Concen: 11.276 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

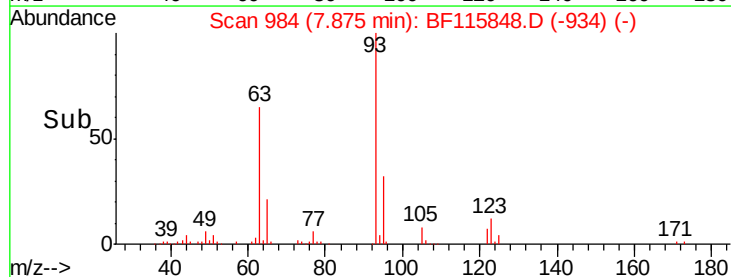
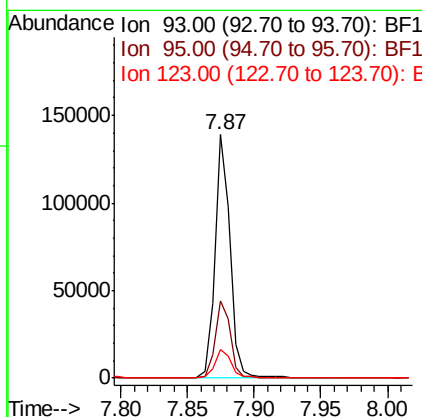
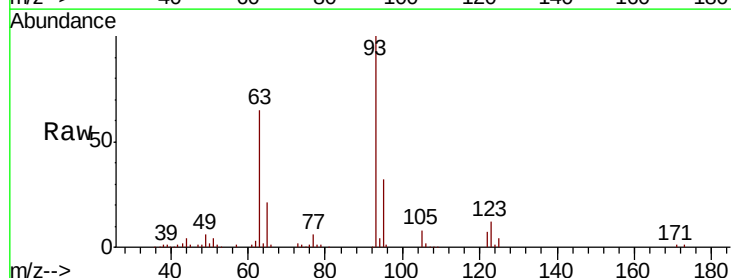
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

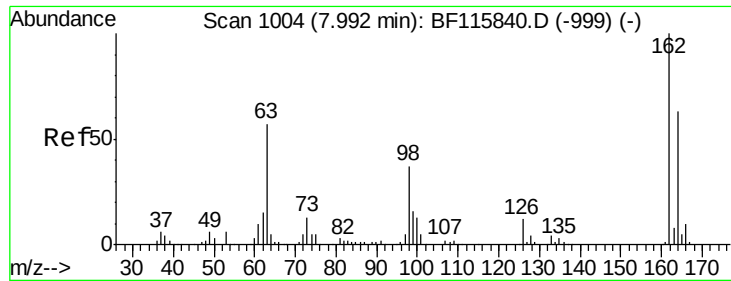
Tgt Ion: 122 Resp: 80259
 Ion Ratio Lower Upper
 122 100
 107 114.1 91.7 137.5
 121 56.7 46.6 70.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 10.050 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion: 93 Resp: 110713
 Ion Ratio Lower Upper
 93 100
 95 31.5 26.0 39.0
 123 11.6 9.5 14.3

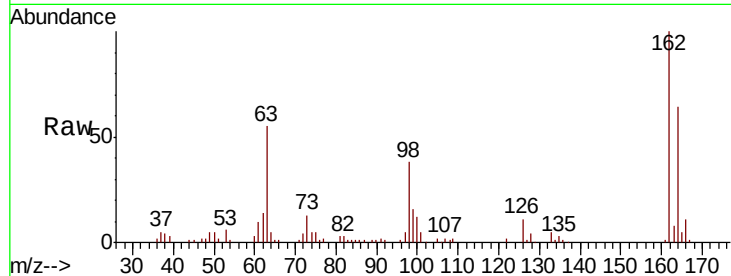




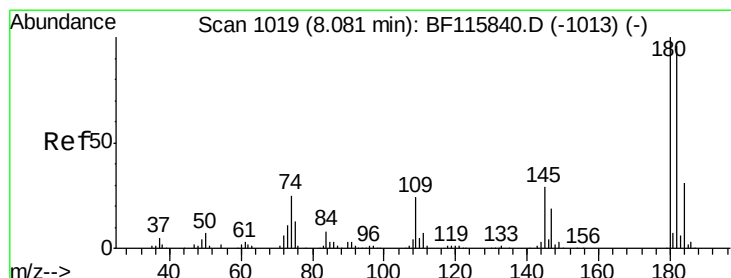
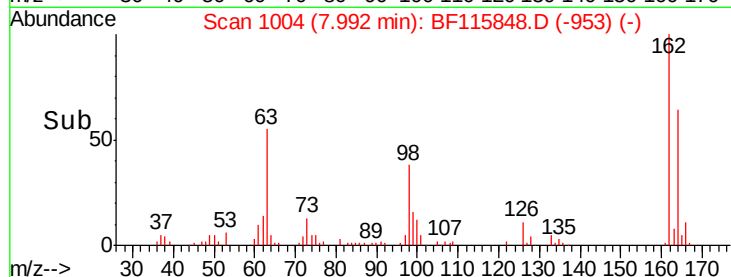
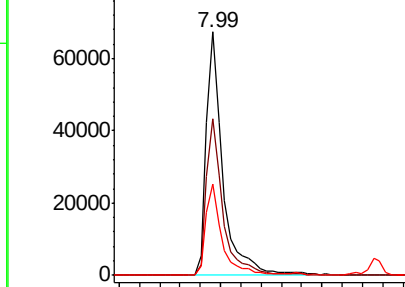
#29
2,4-Dichlorophenol
Concen: 10.218 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tgt Ion:162 Resp: 76790
Ion Ratio Lower Upper
162 100
164 64.3 43.2 83.2
98 37.5 17.3 57.3

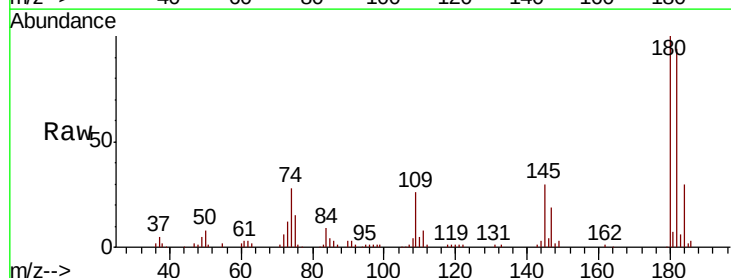


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

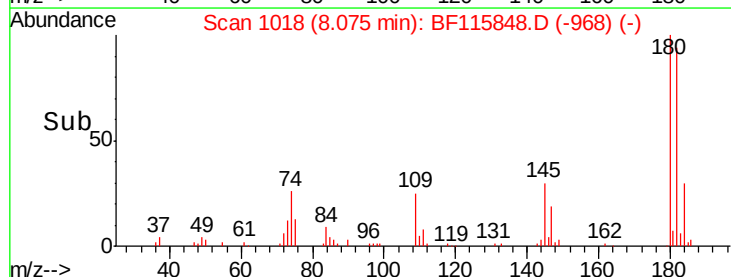
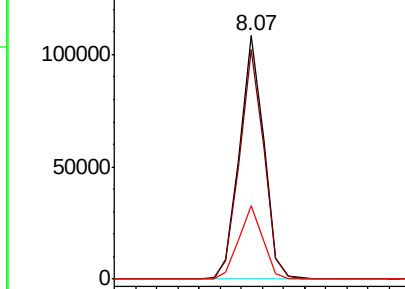


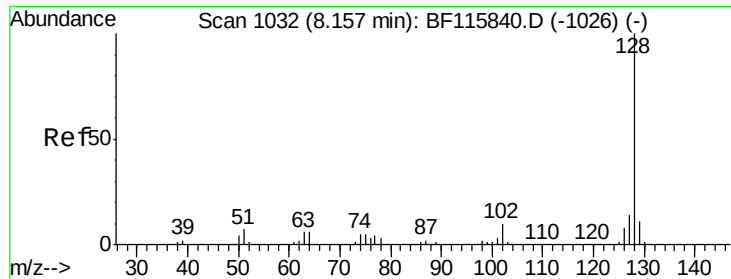
#30
1,2,4-Trichlorobenzene
Concen: 10.021 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion:180 Resp: 85846
Ion Ratio Lower Upper
180 100
182 94.4 76.6 114.8
145 30.0 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

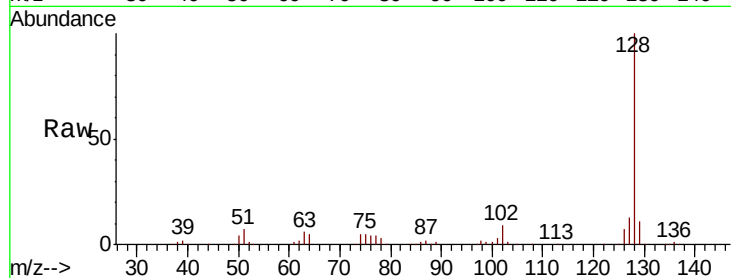




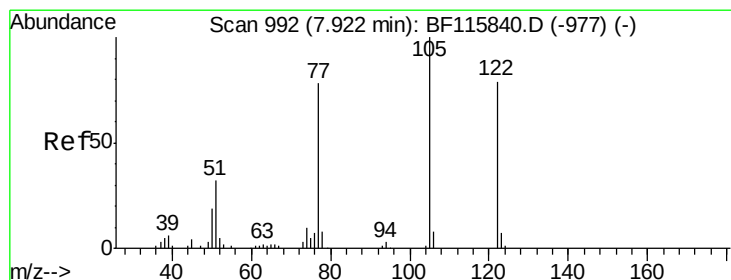
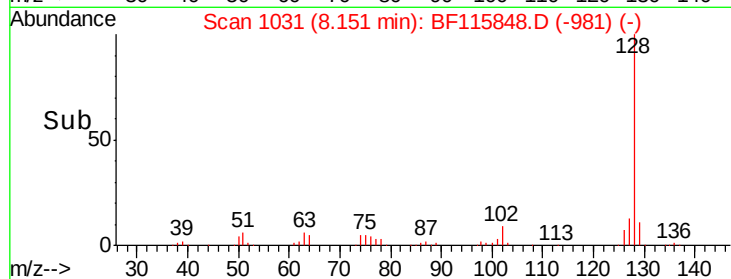
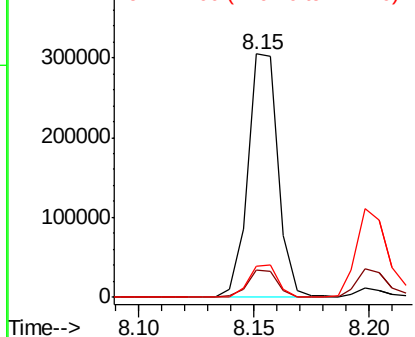
#31
Naphthalene
Concen: 11.106 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tgt Ion:128 Resp: 280387
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 12.6 11.0 16.4

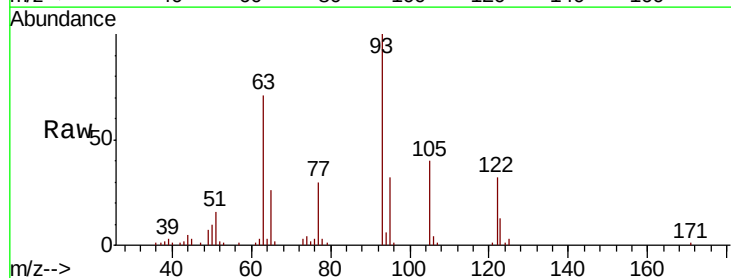


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

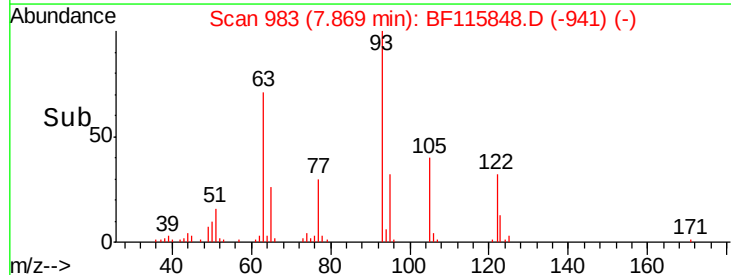
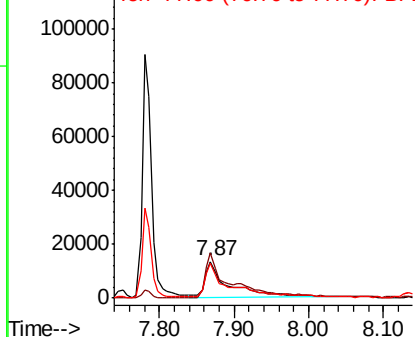


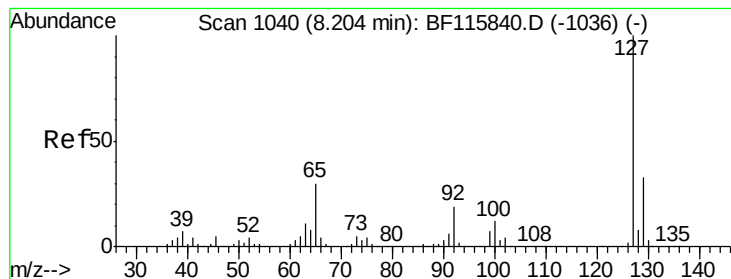
#32
Benzoic acid
Concen: 6.128 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.05 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion:122 Resp: 30752
Ion Ratio Lower Upper
122 100
105 124.8 103.1 143.1
77 94.8 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: 10.126 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tgt Ion:127 Resp: 114231

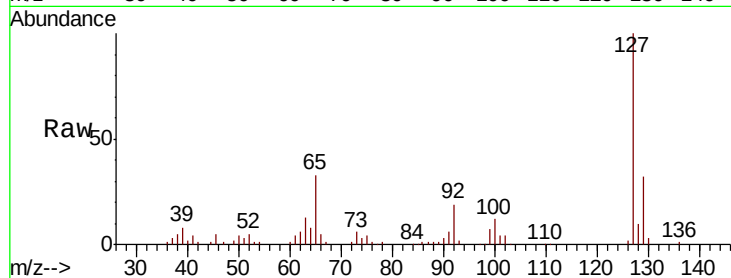
Ion Ratio Lower Upper

127 100

129 32.4 26.0 39.0

65 33.4 23.9 35.9

92 19.3 14.9 22.3

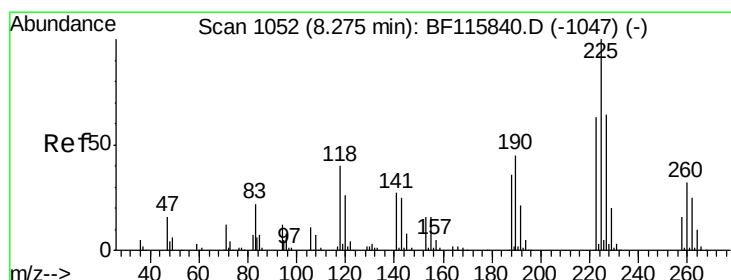
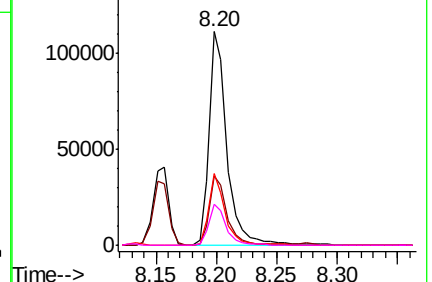
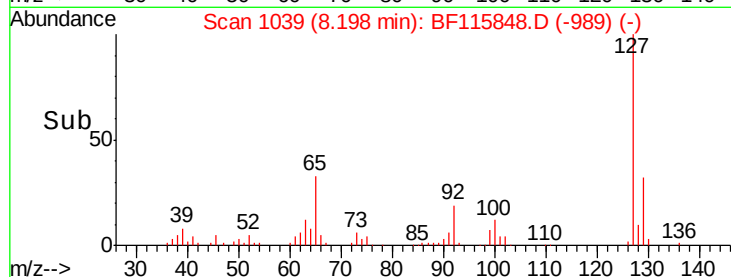


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 9.730 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

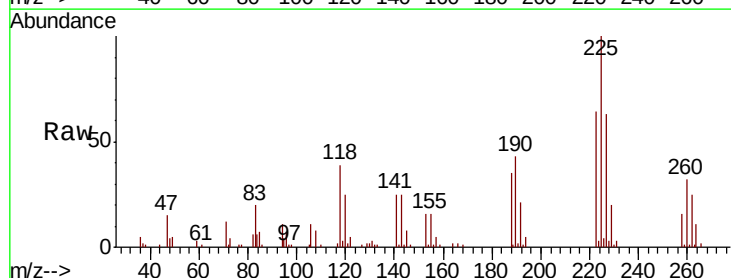
Tgt Ion:225 Resp: 48009

Ion Ratio Lower Upper

225 100

223 64.1 50.4 75.6

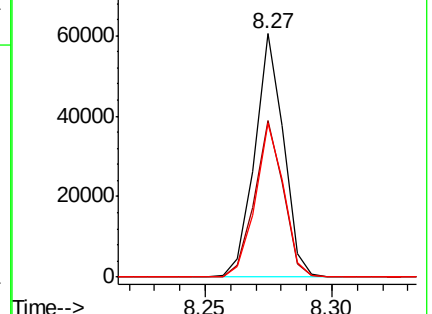
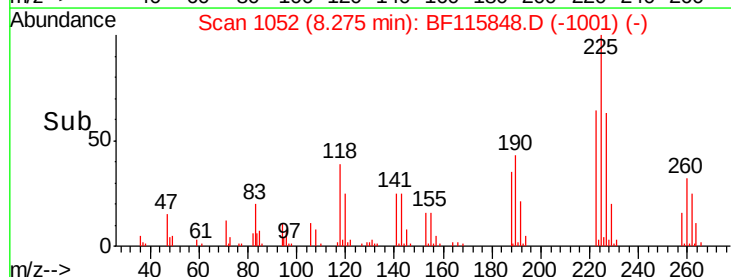
227 63.5 51.6 77.4

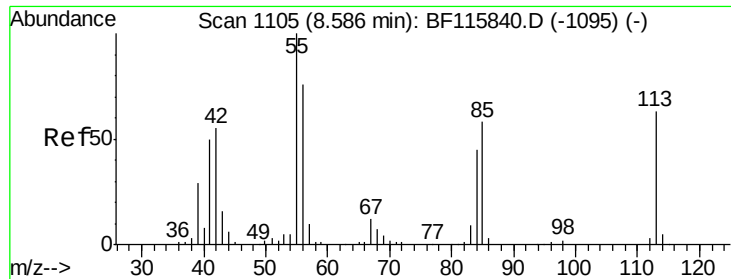


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

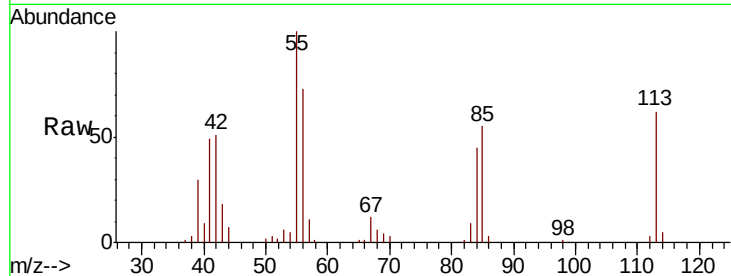




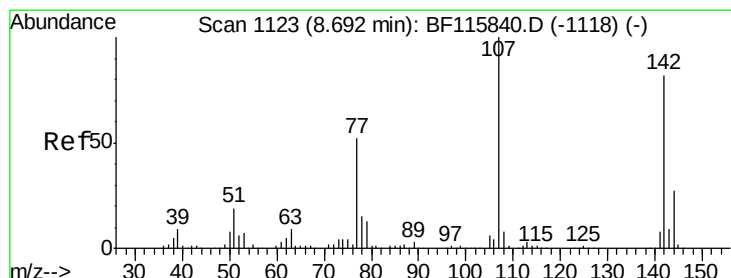
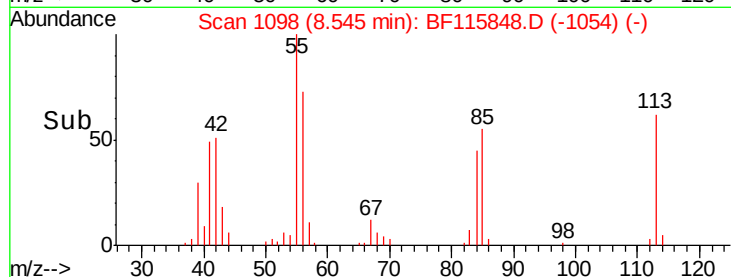
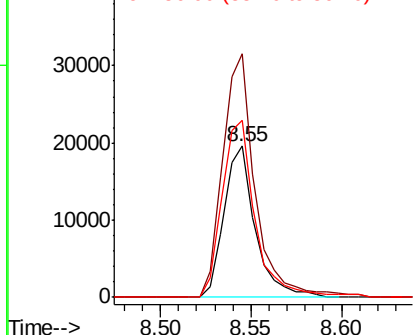
#35
 Caprolactam
 Concen: 9.667 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.04 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tgt Ion:113 Resp: 23497
 Ion Ratio Lower Upper
 113 100
 55 161.1 138.1 178.1
 56 117.6 100.6 140.6

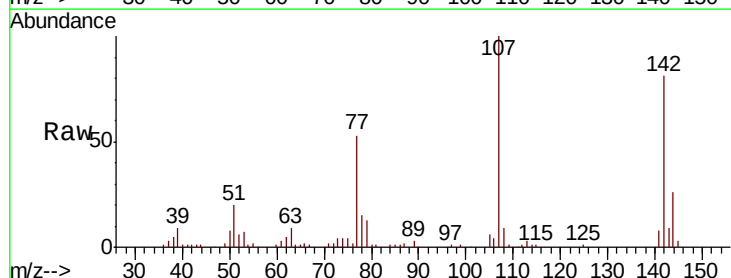


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

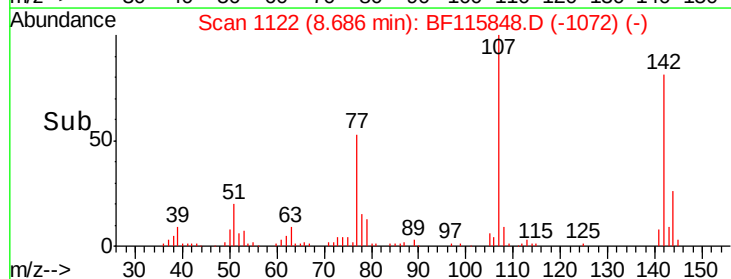
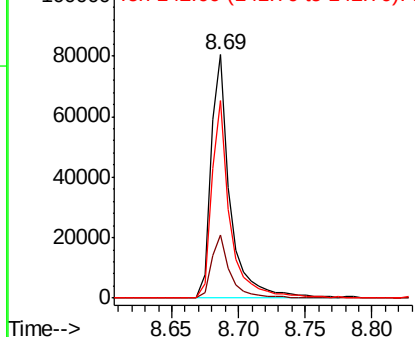


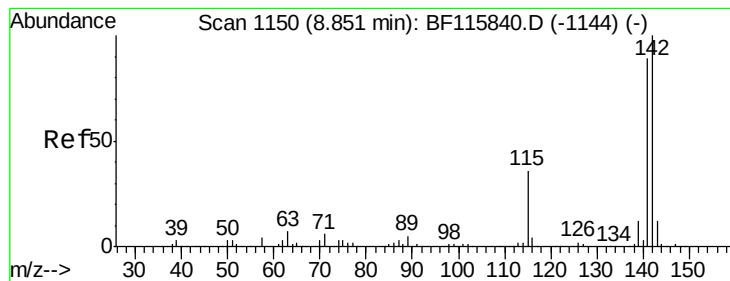
#36
 4-Chloro-3-methylphenol
 Concen: 10.305 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion:107 Resp: 80564
 Ion Ratio Lower Upper
 107 100
 144 25.7 21.4 32.0
 142 80.9 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: 11.169 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

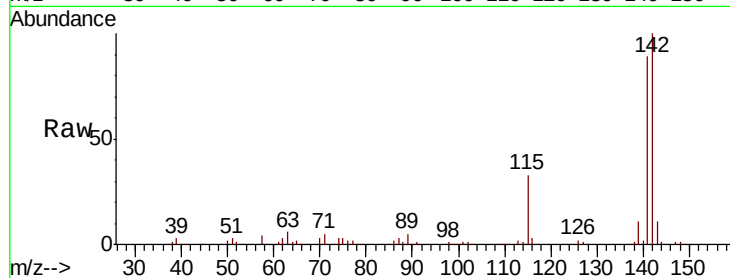
Tgt Ion:142 Resp: 185721

Ion Ratio Lower Upper

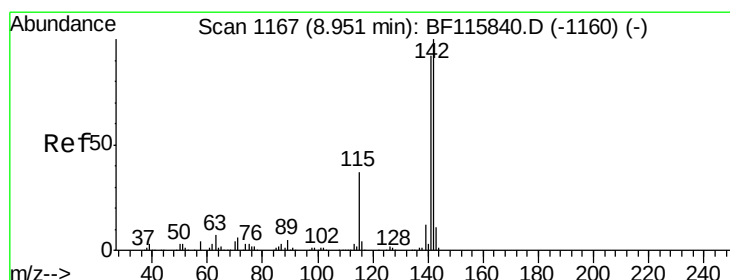
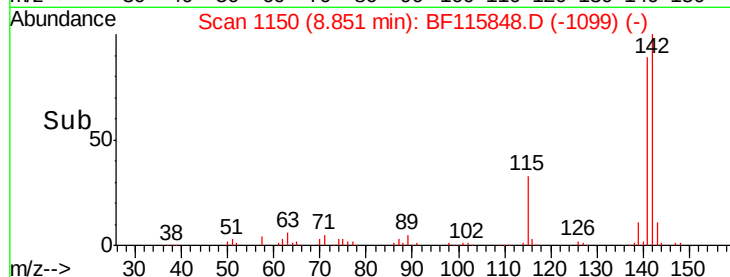
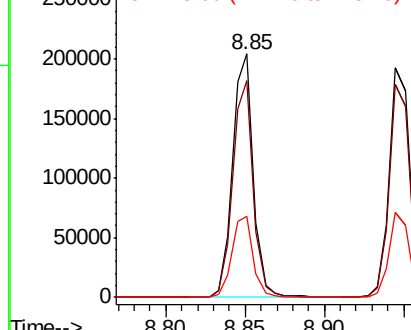
142 100

141 88.8 71.4 107.2

115 33.4 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: 10.864 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

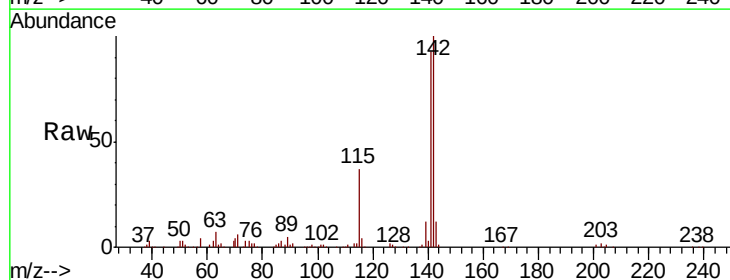
Tgt Ion:142 Resp: 170901

Ion Ratio Lower Upper

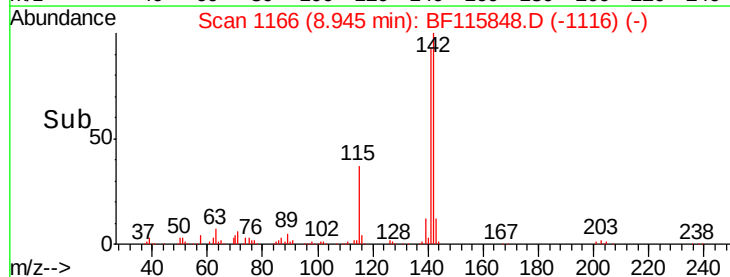
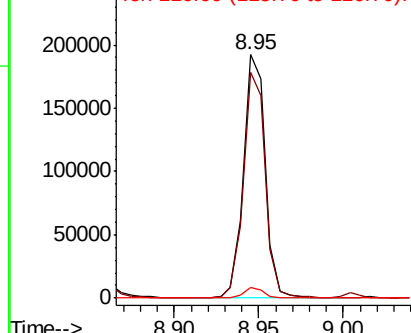
142 100

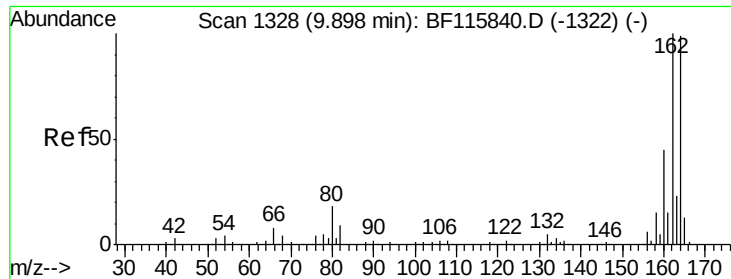
141 92.8 73.8 110.6

116 4.3 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: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

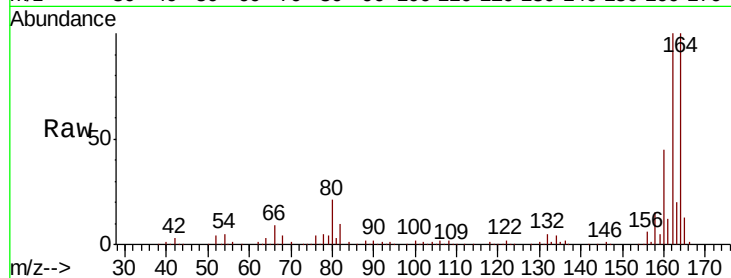
Tgt Ion:164 Resp: 283786

Ion Ratio Lower Upper

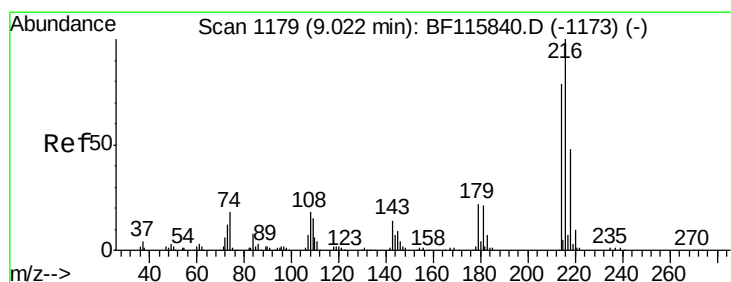
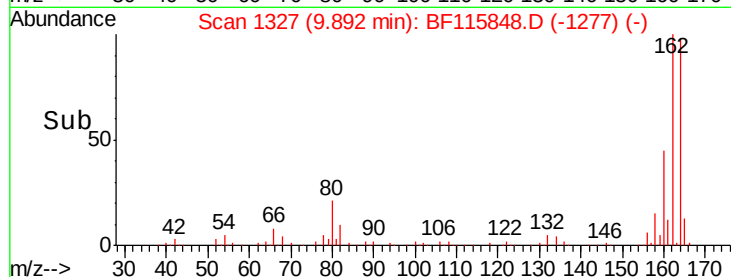
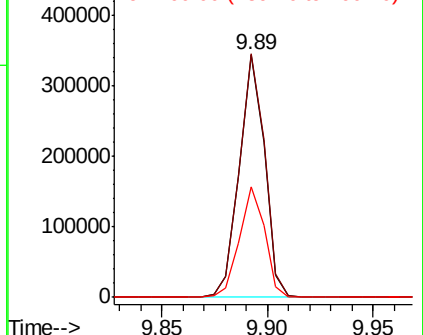
164 100

162 100.5 80.8 121.2

160 45.4 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: 10.737 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Tgt Ion:216 Resp: 81460

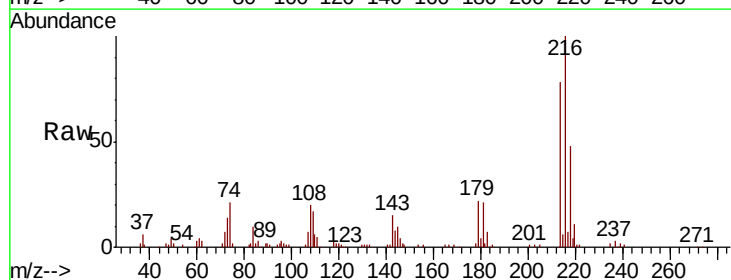
Ion Ratio Lower Upper

216 100

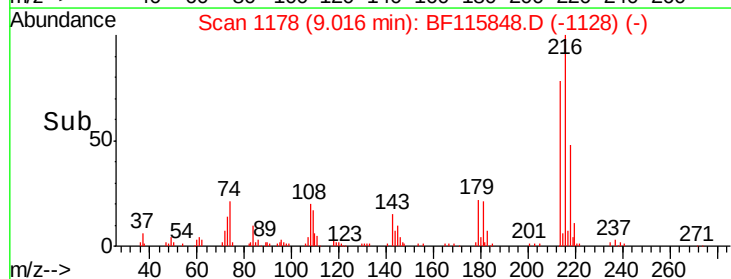
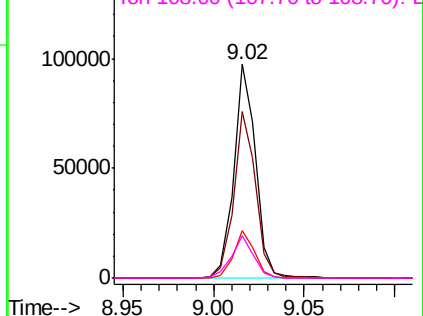
214 77.8 62.8 94.2

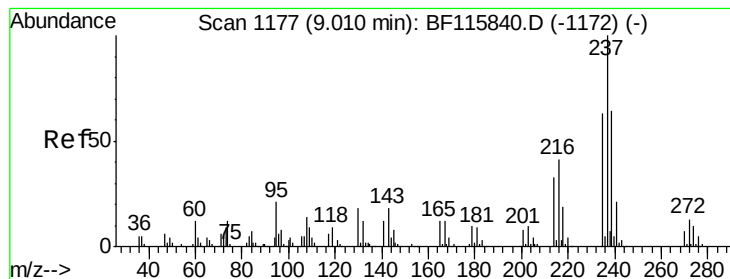
179 21.0 17.6 26.4

108 20.1 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: 6.063 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

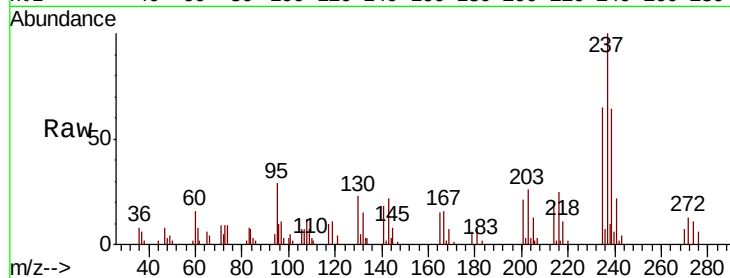
Tgt Ion:237 Resp: 17979

Ion Ratio Lower Upper

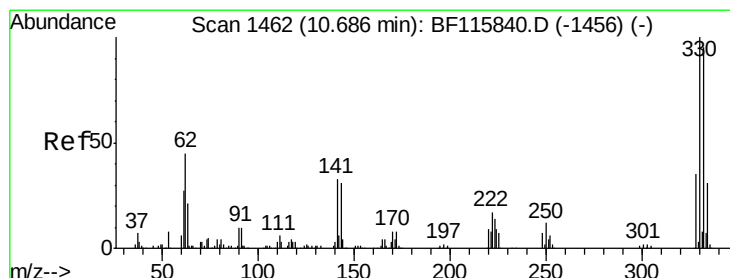
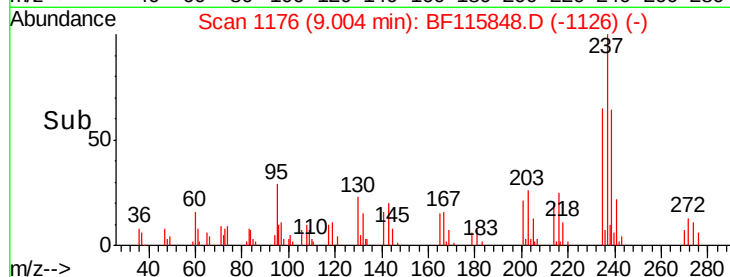
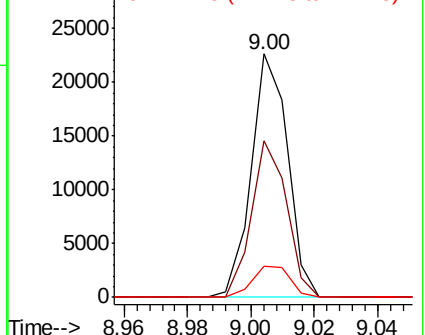
237 100

235 64.5 42.5 82.5

272 12.6 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: 118.943 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

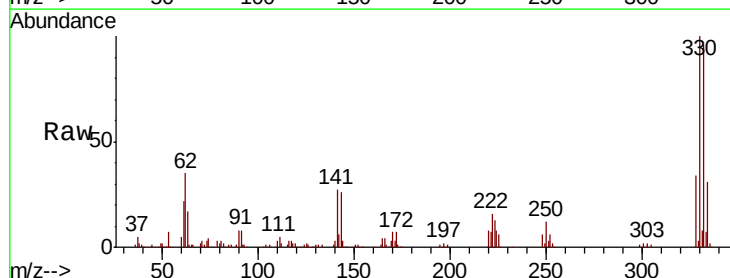
Tgt Ion:330 Resp: 327259

Ion Ratio Lower Upper

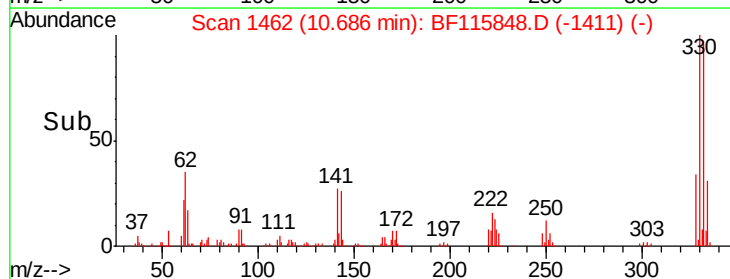
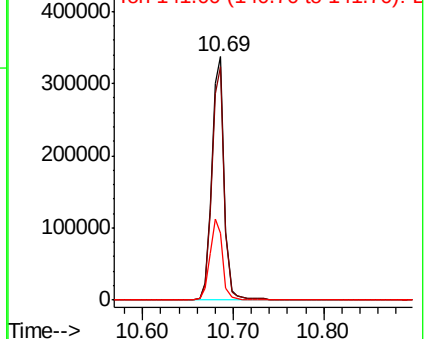
330 100

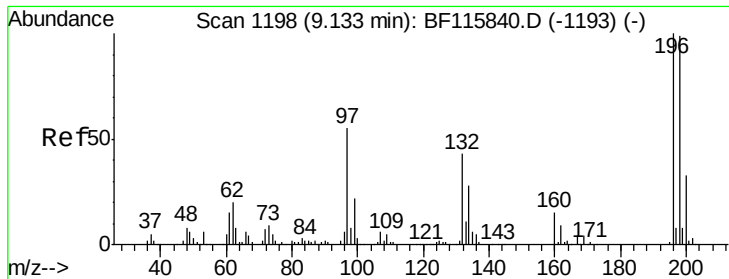
332 95.4 77.7 116.5

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

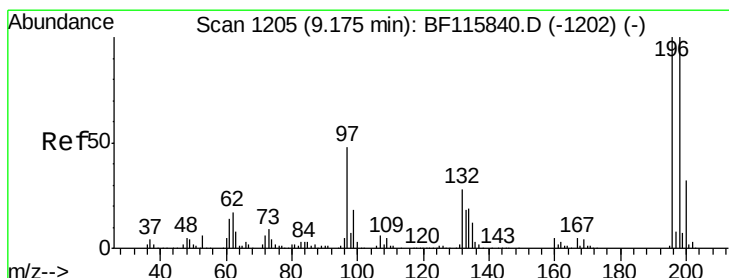
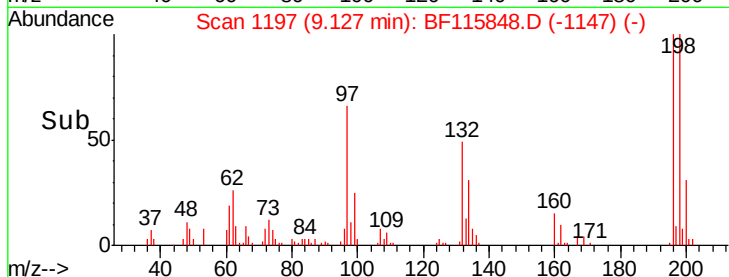
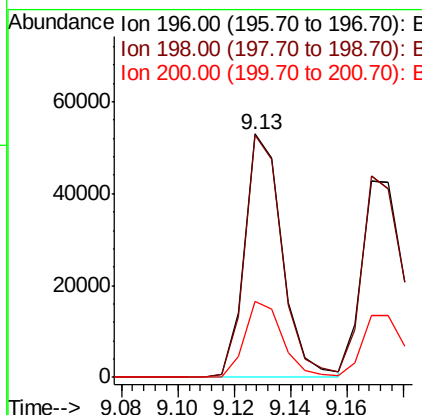
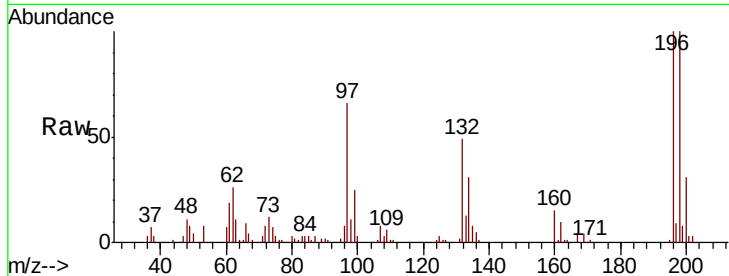




#43
 2,4,6-Trichlorophenol
 Concen: 9.403 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

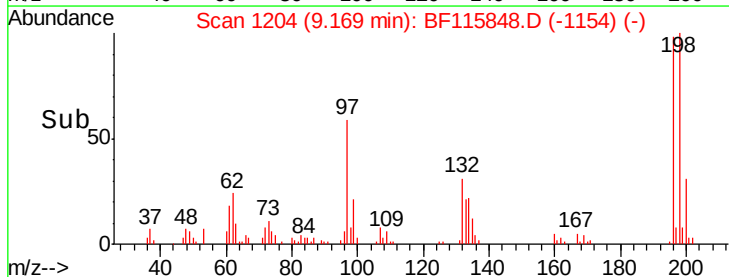
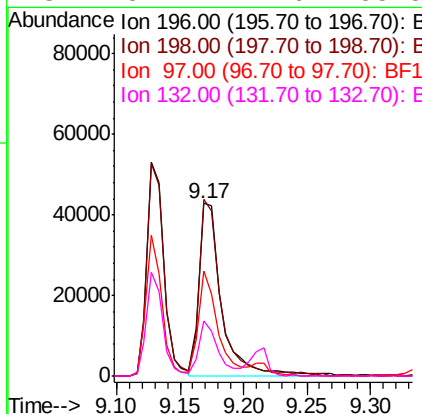
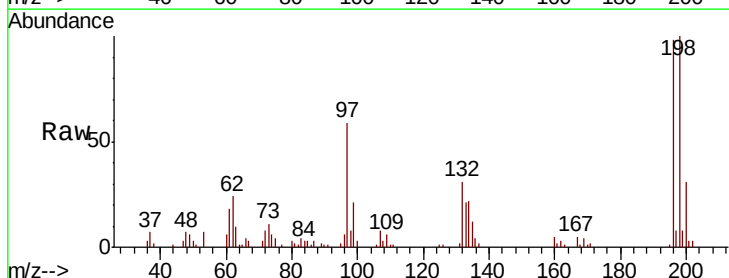
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

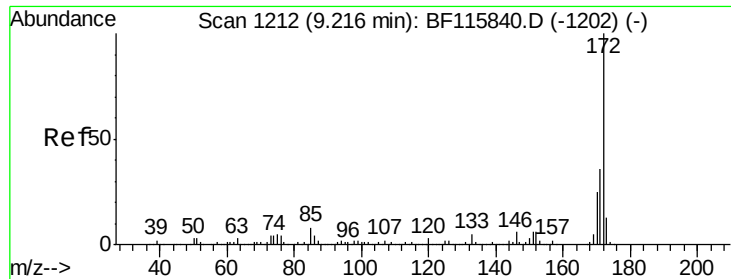
Tgt Ion:196 Resp: 49102
 Ion Ratio Lower Upper
 196 100
 198 99.5 79.1 118.7
 200 31.0 26.0 39.0



#44
 2,4,5-Trichlorophenol
 Concen: 9.870 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion:196 Resp: 53279
 Ion Ratio Lower Upper
 196 100
 198 102.4 80.1 120.1
 97 60.6 38.9 58.3#
 132 32.1 22.6 33.8

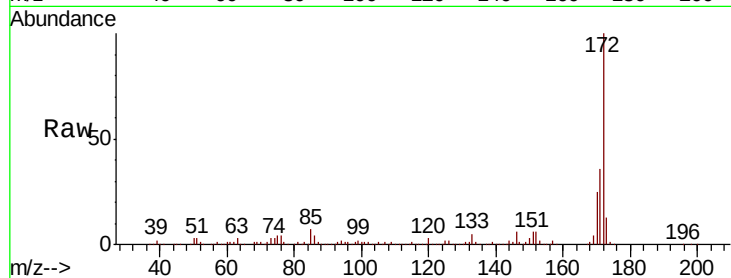




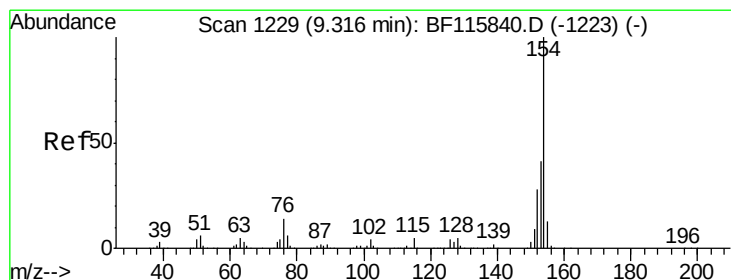
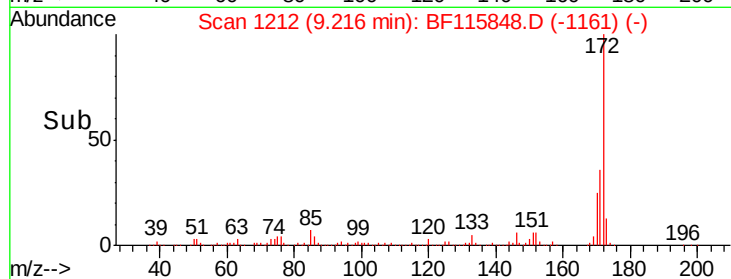
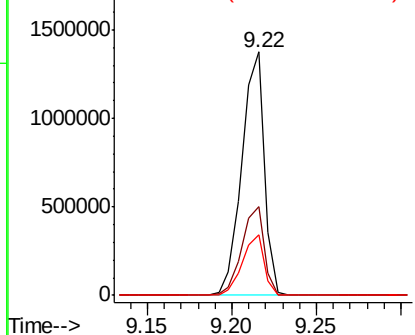
#45
 2-Fluorobiphenyl
 Concen: 84.554 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tgt Ion:172 Resp: 1281056
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.1 43.7
 170 24.9 20.1 30.1

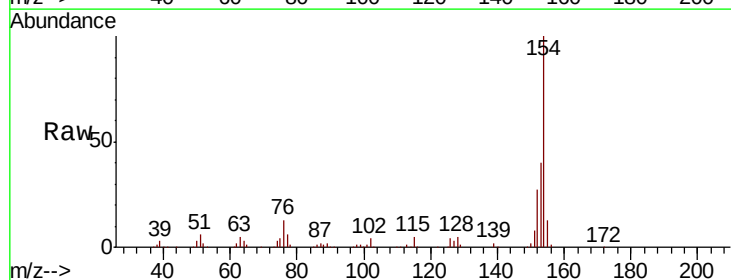


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

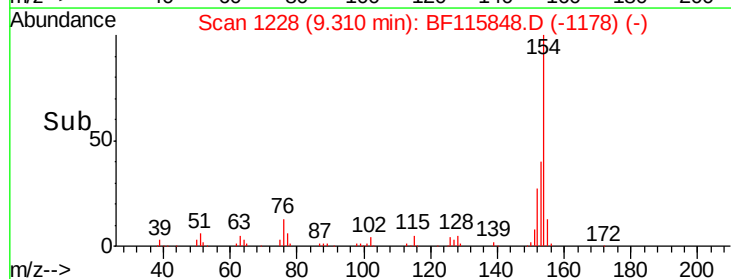
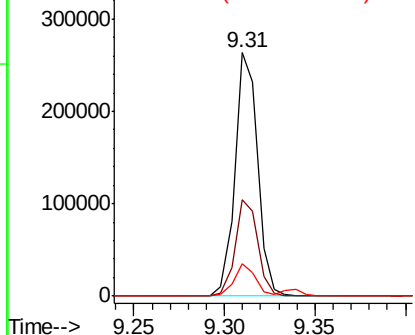


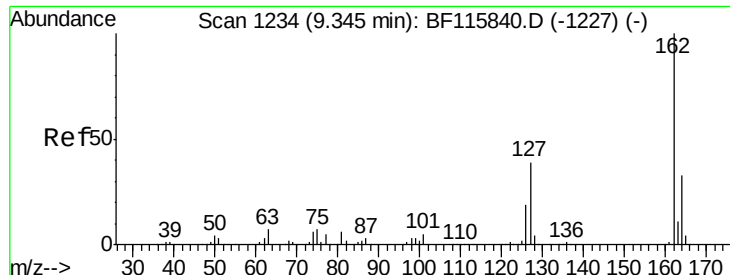
#46
 1,1'-Biphenyl
 Concen: 11.454 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion:154 Resp: 229485
 Ion Ratio Lower Upper
 154 100
 153 39.6 20.9 60.9
 76 13.1 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

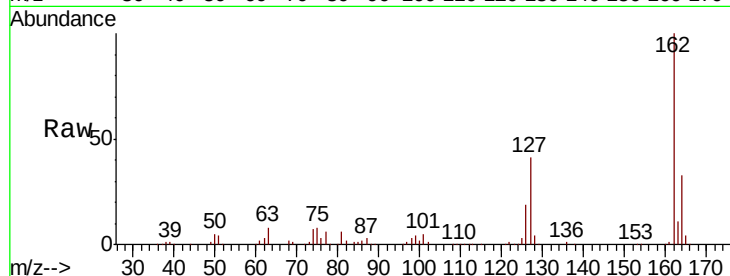




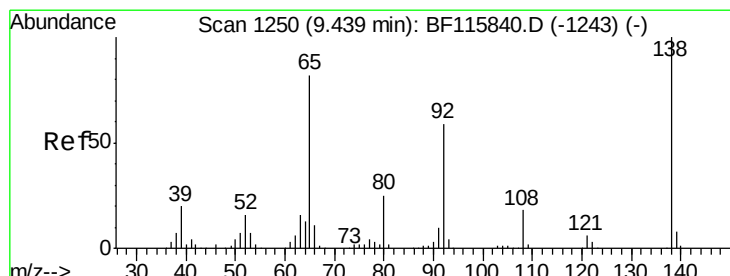
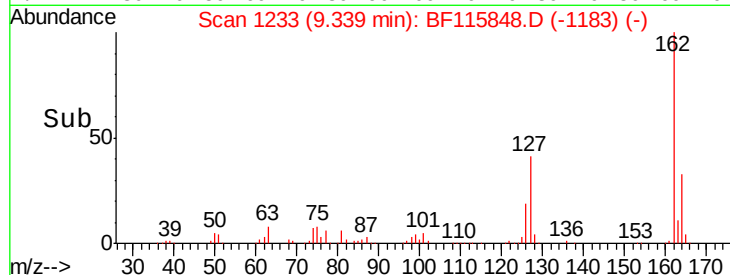
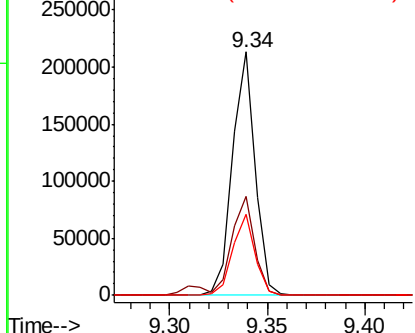
#47
2-Chloronaphthalene
Concen: 10.321 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tgt Ion: 162 Resp: 172108
Ion Ratio Lower Upper
162 100
127 40.5 31.3 46.9
164 33.5 26.6 40.0

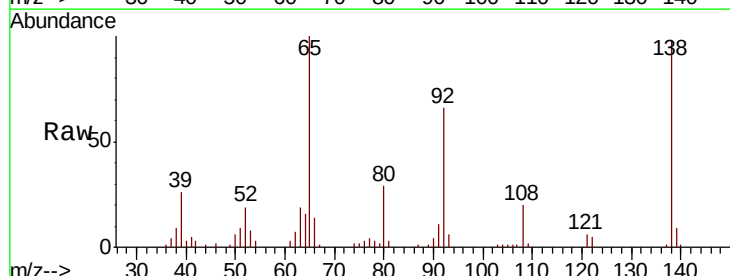


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

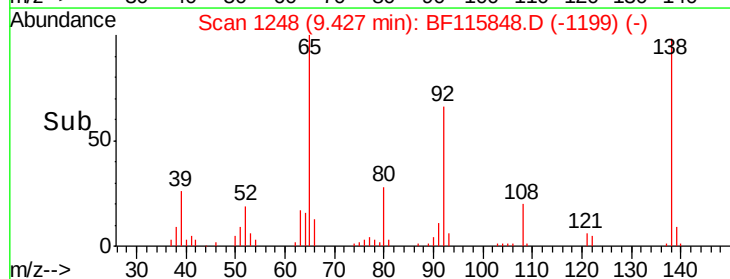
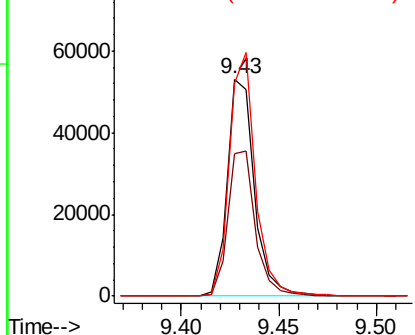


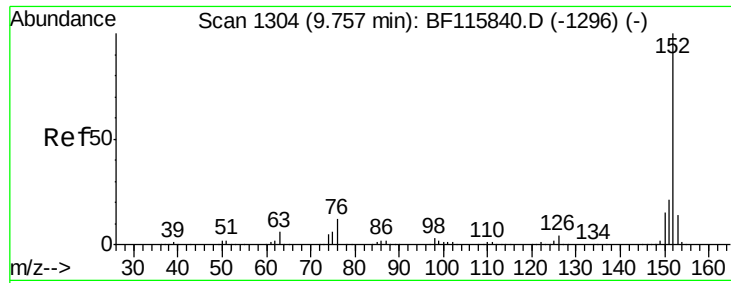
#48
2-Nitroaniline
Concen: 9.277 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion: 65 Resp: 51134
Ion Ratio Lower Upper
65 100
92 65.6 57.1 85.7
138 97.8 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: 11.185 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

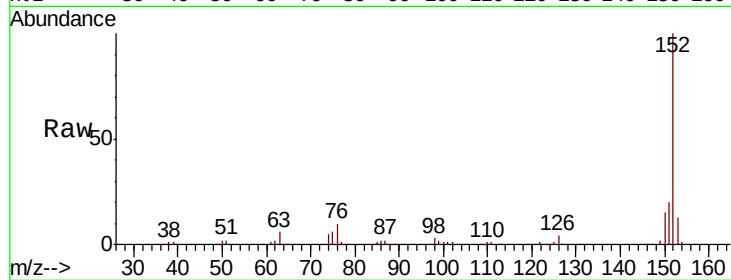
Tgt Ion:152 Resp: 272101

Ion Ratio Lower Upper

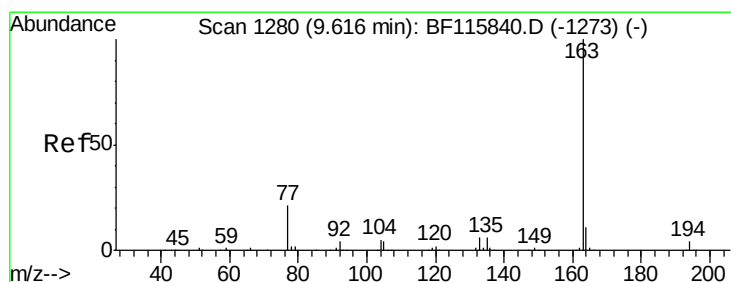
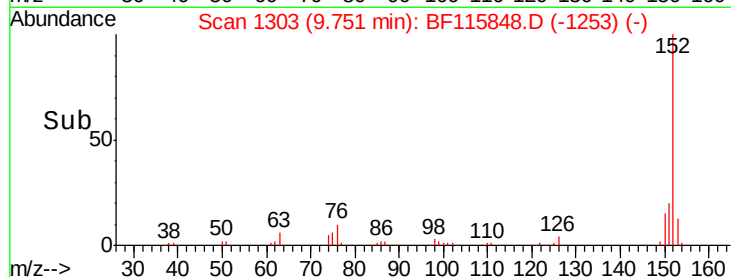
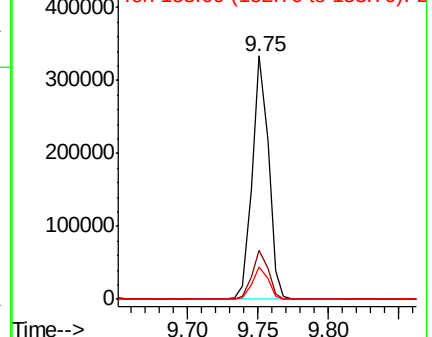
152 100

151 20.2 16.8 25.2

153 13.5 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: 9.905 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

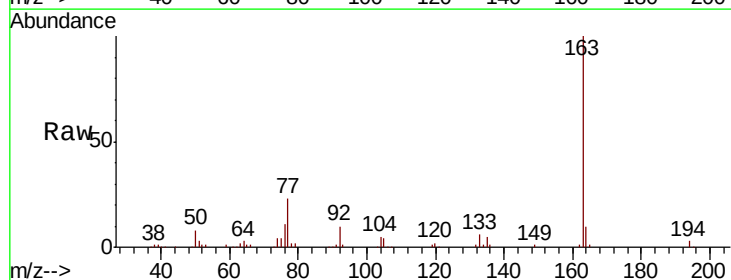
Tgt Ion:163 Resp: 191387

Ion Ratio Lower Upper

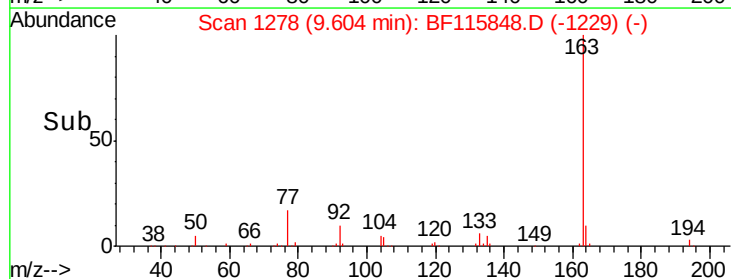
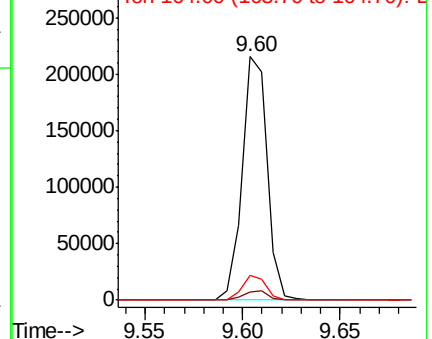
163 100

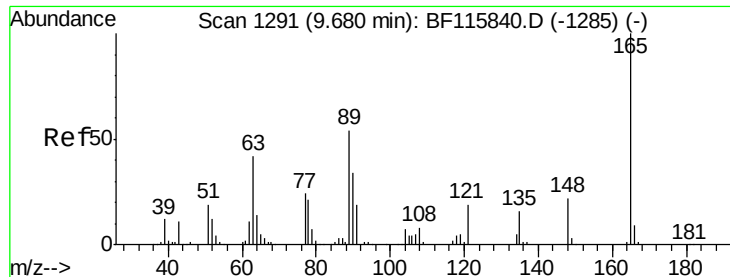
194 3.5 3.0 4.6

164 10.2 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: 9.798 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

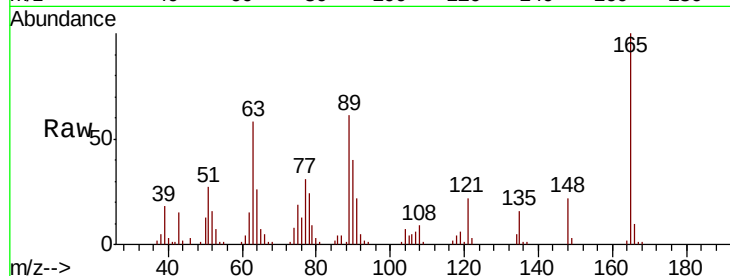
Tgt Ion:165 Resp: 41144

Ion Ratio Lower Upper

165 100

63 57.8 39.4 59.2

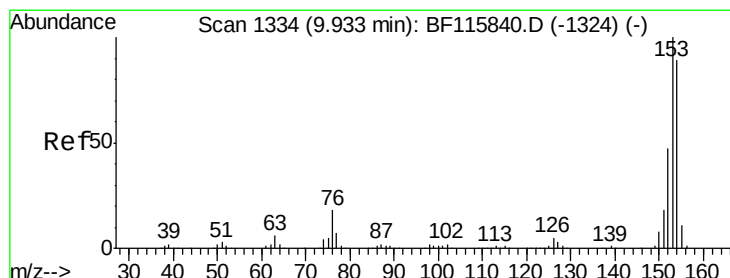
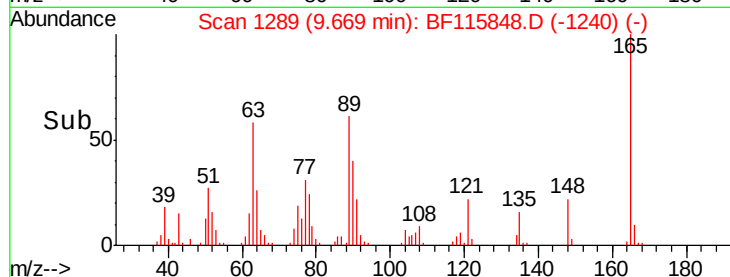
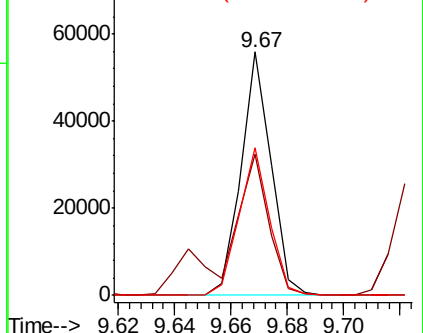
89 60.8 43.0 64.6



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: 10.841 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

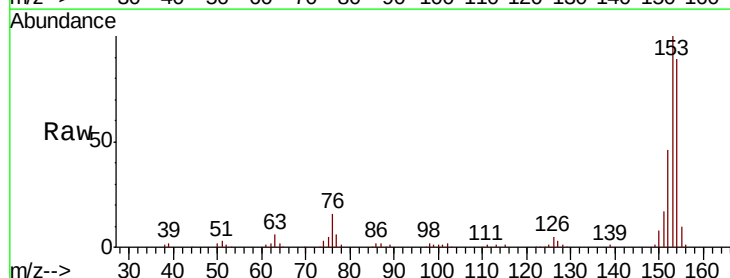
Tgt Ion:154 Resp: 161803

Ion Ratio Lower Upper

154 100

153 112.8 90.1 135.1

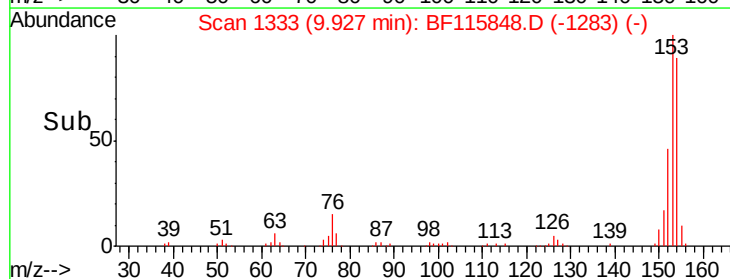
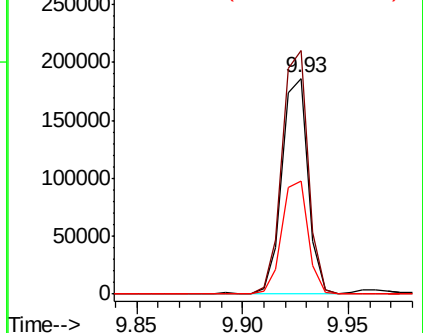
152 52.3 42.6 63.8

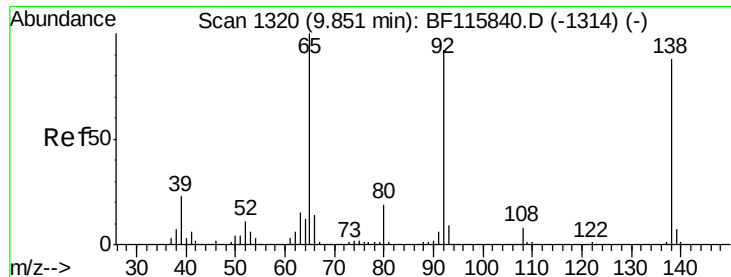


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 9.057 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

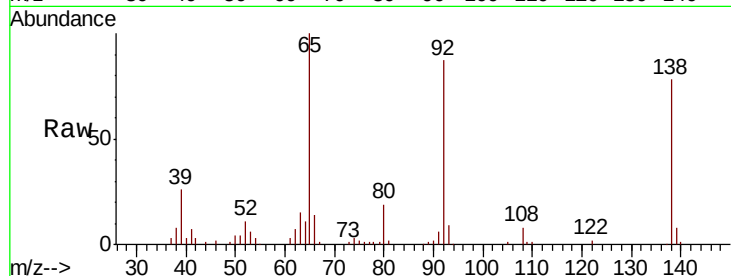
Tgt Ion:138 Resp: 46991

Ion Ratio Lower Upper

138 100

108 10.1 7.4 11.2

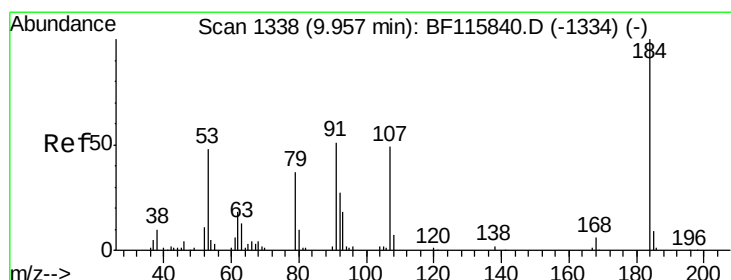
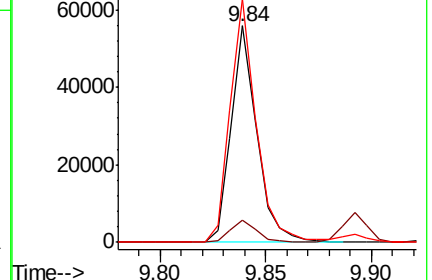
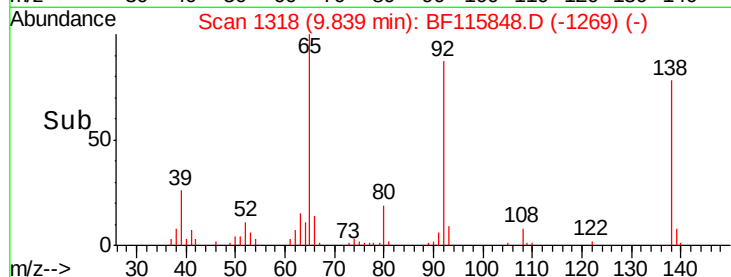
92 112.5 83.9 125.9



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: 5.009 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

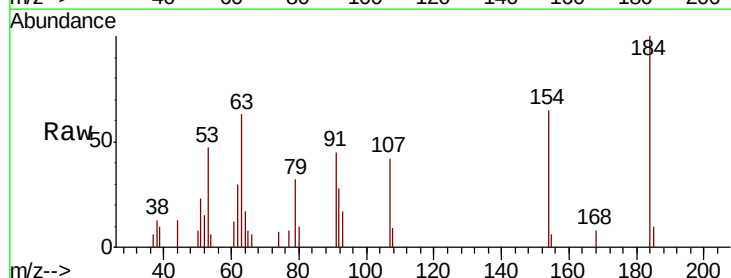
Tgt Ion:184 Resp: 8932

Ion Ratio Lower Upper

184 100

63 63.2 56.7 85.1

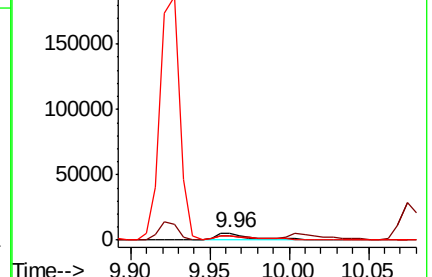
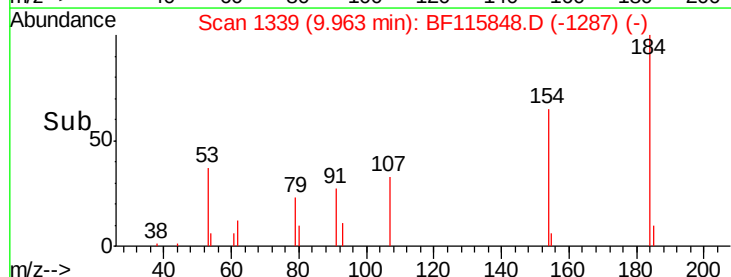
154 64.5 51.9 77.9

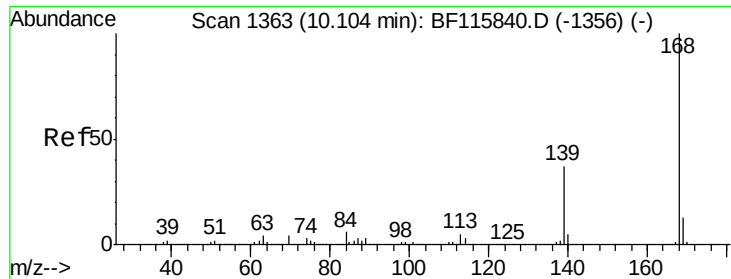


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

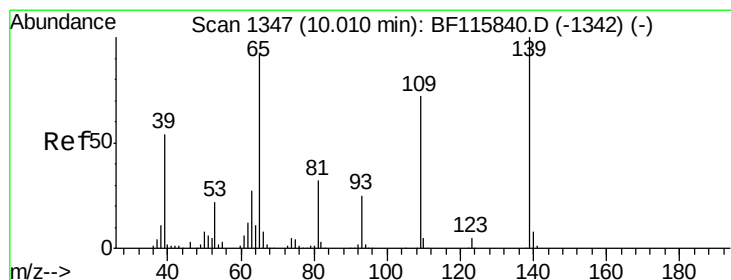
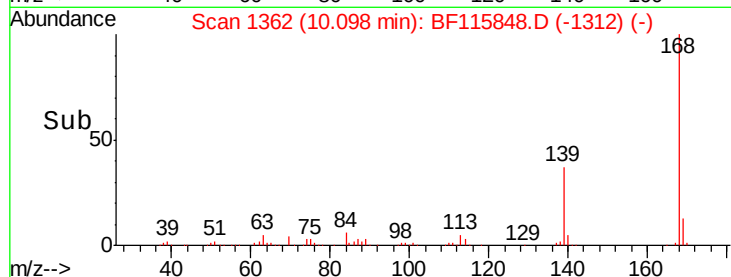
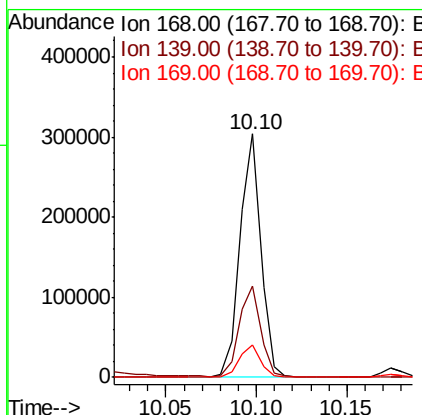
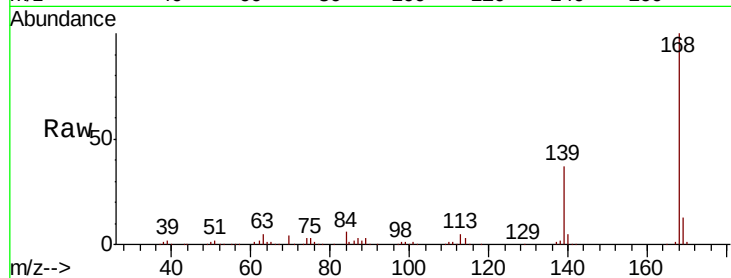




#55
Dibenzenofuran
Concen: 11.266 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

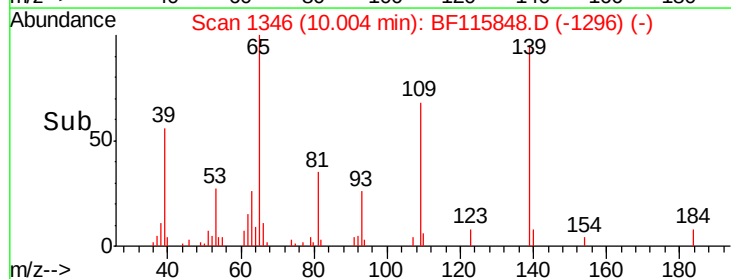
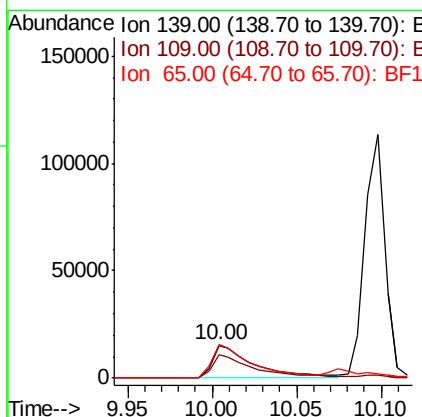
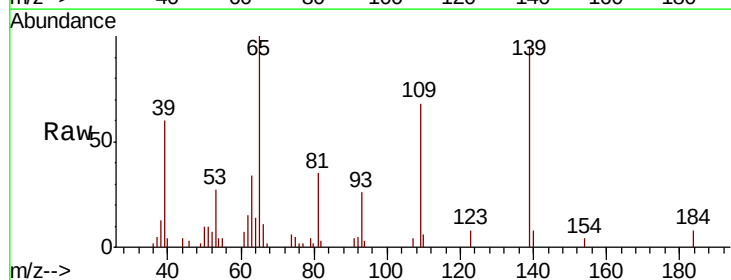
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

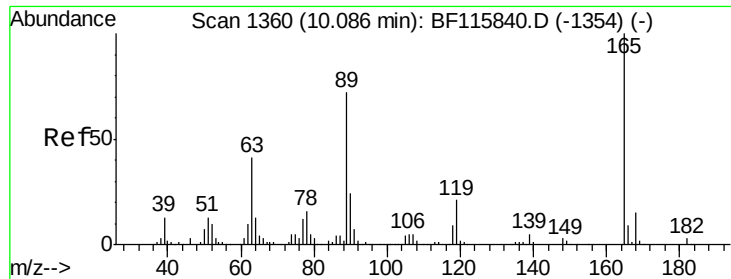
Tgt Ion:168 Resp: 244516
Ion Ratio Lower Upper
168 100
139 37.3 30.2 45.2
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 7.988 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion:139 Resp: 26551
Ion Ratio Lower Upper
139 100
109 71.7 52.0 92.0
65 104.9 72.6 112.6

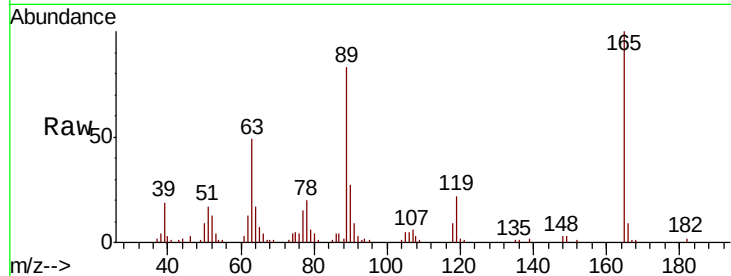




#57
2,4-Dinitrotoluene
Concen: 9.534 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tgt Ion	Ratio	Lower	Upper
165	100		
63	48.7	33.2	49.8
89	83.3	57.3	85.9
182	2.2	2.1	3.1



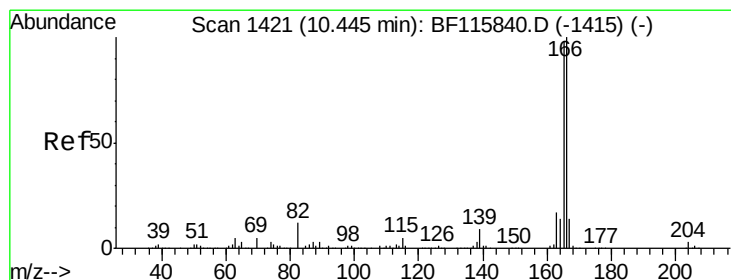
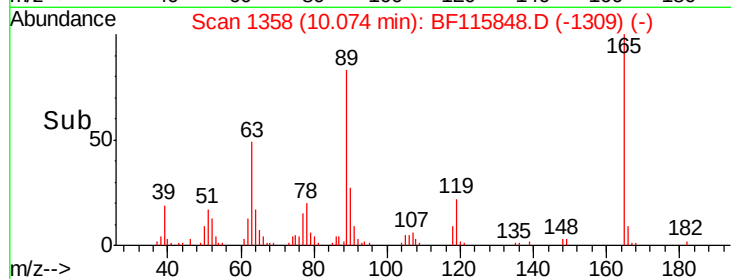
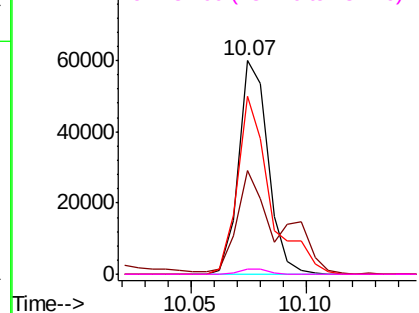
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

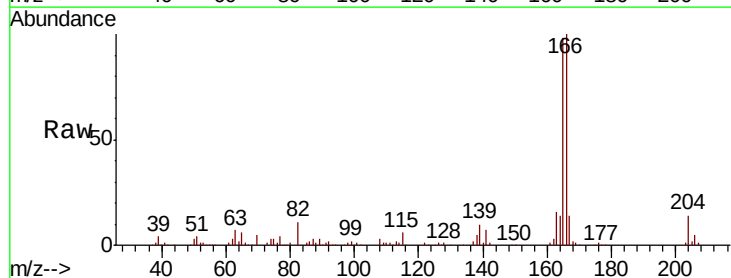
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 11.294 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.6	118.0
167	13.6	10.9	16.3

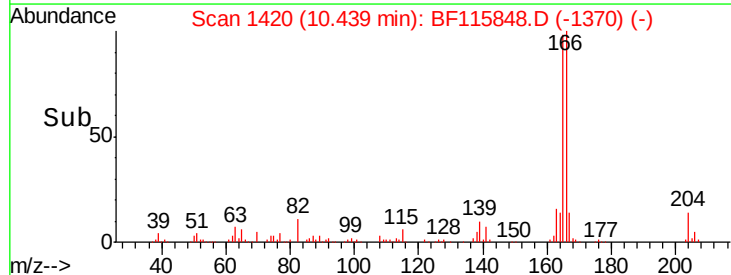
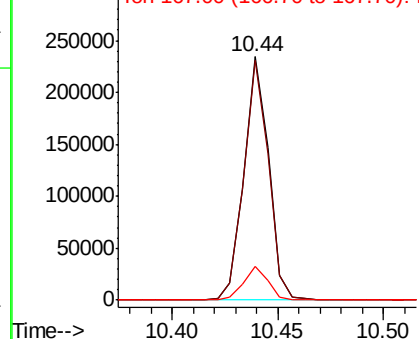


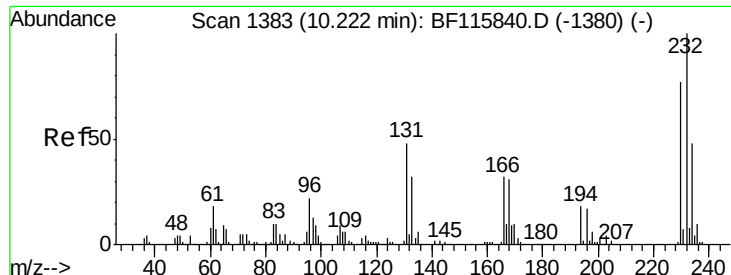
Abundance

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

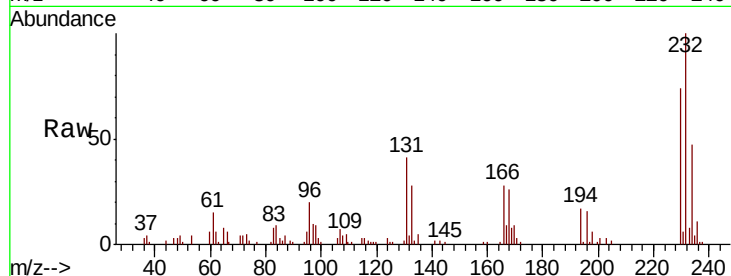




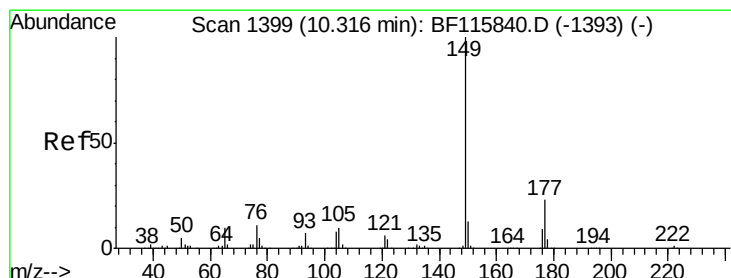
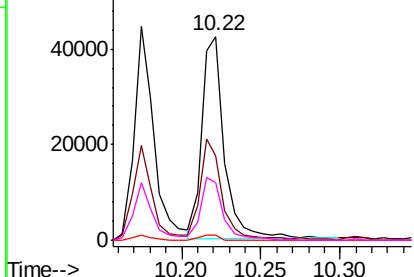
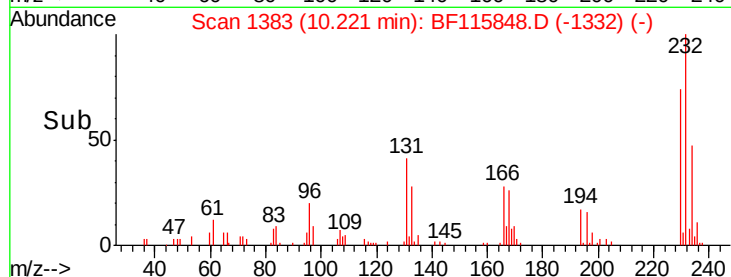
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.412 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tgt Ion: 232 Resp: 42745
Ion Ratio Lower Upper
232 100
131 50.5 37.6 56.4
130 2.1 1.8 2.8
166 30.7 24.6 37.0

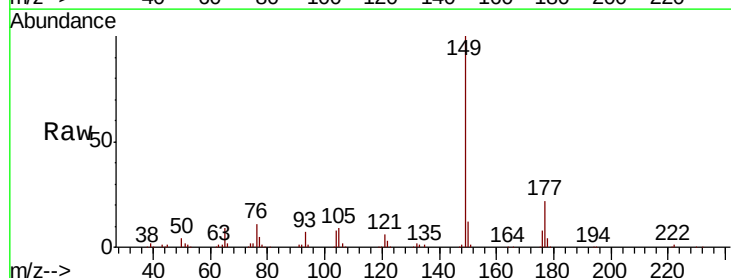


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

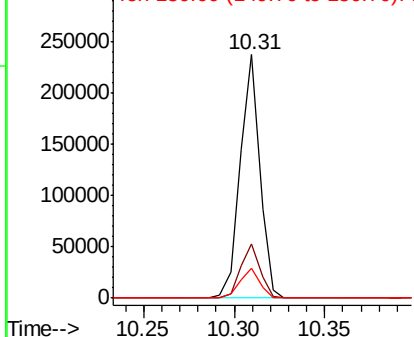
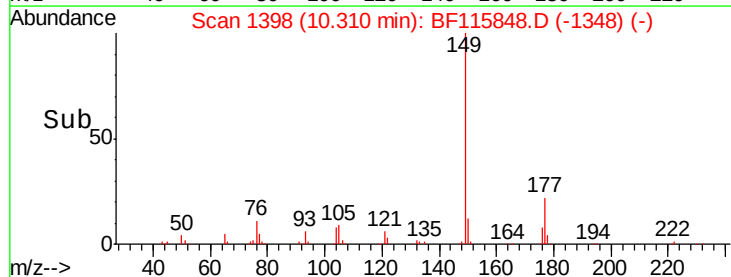


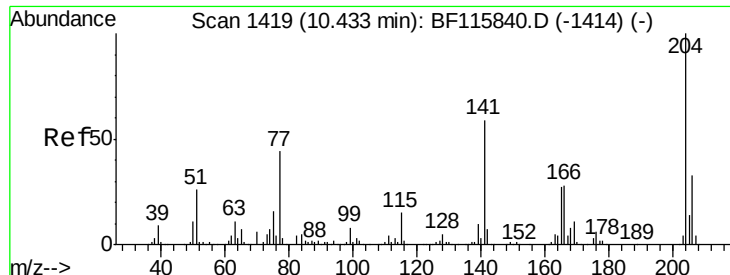
#60
Diethylphthalate
Concen: 9.946 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion: 149 Resp: 179430
Ion Ratio Lower Upper
149 100
177 22.1 18.4 27.6
150 12.2 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

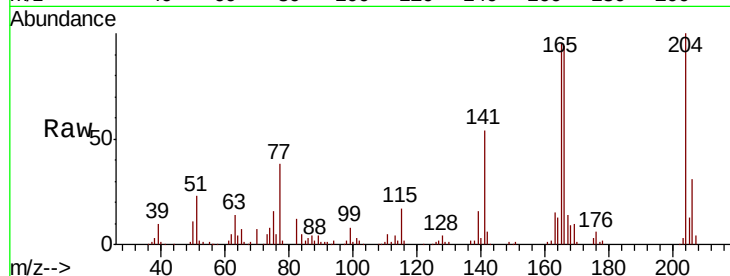




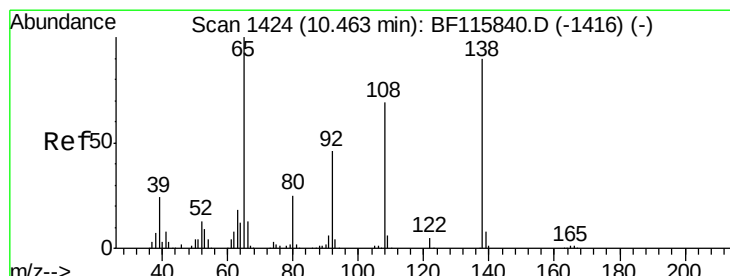
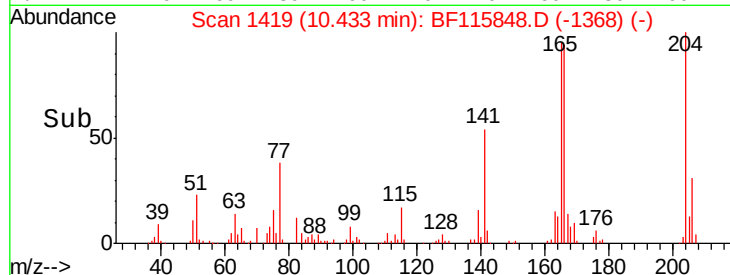
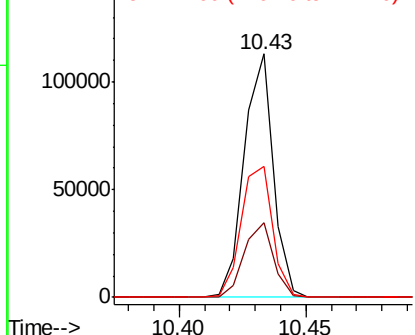
#61
4-Chlorophenyl-phenylether
Concen: 10.674 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tgt Ion: 204 Resp: 90270
Ion Ratio Lower Upper
204 100
206 30.8 26.4 39.6
141 54.0 47.0 70.4

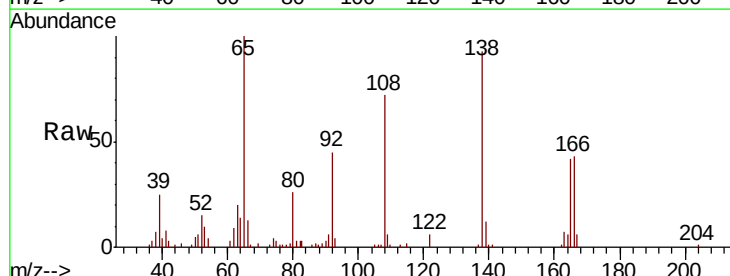


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

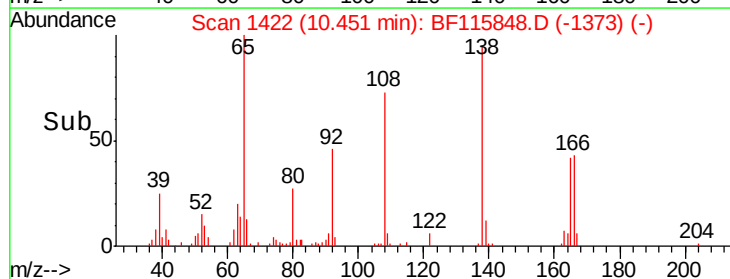
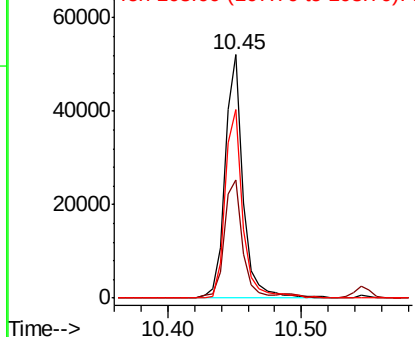


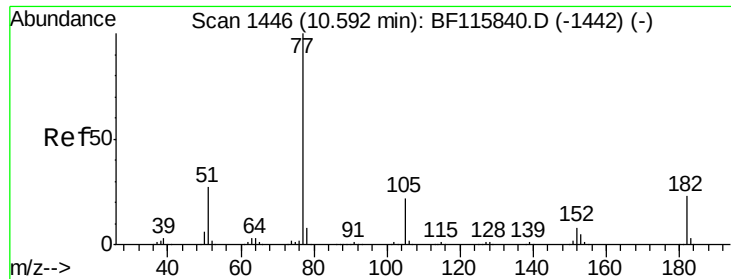
#62
4-Nitroaniline
Concen: 9.244 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion: 138 Resp: 49566
Ion Ratio Lower Upper
138 100
92 48.6 31.0 71.0
108 77.5 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: 10.567 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tgt Ion: 77 Resp: 196066

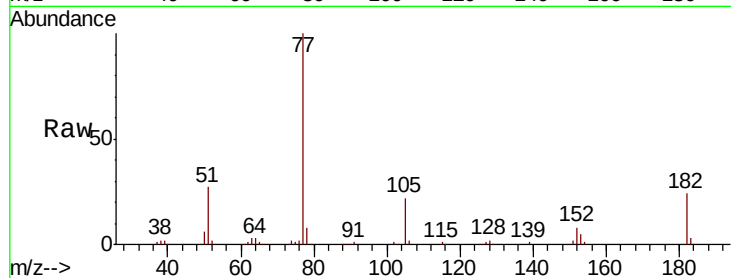
Ion Ratio Lower Upper

77 100

182 24.5 2.6 42.6

105 22.3 1.6 41.6

51 26.8 7.4 47.4

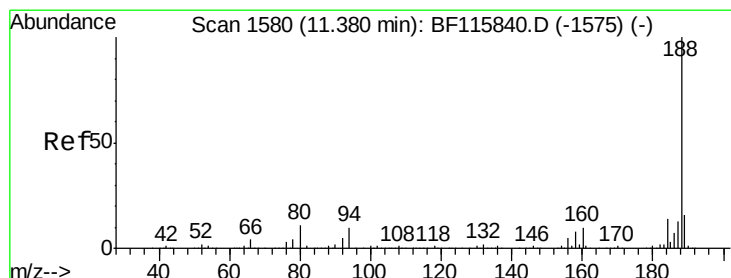
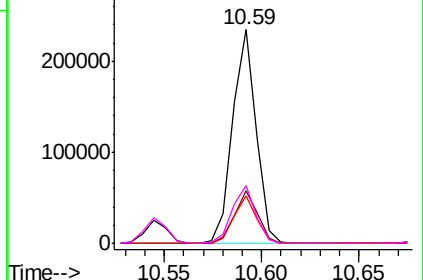
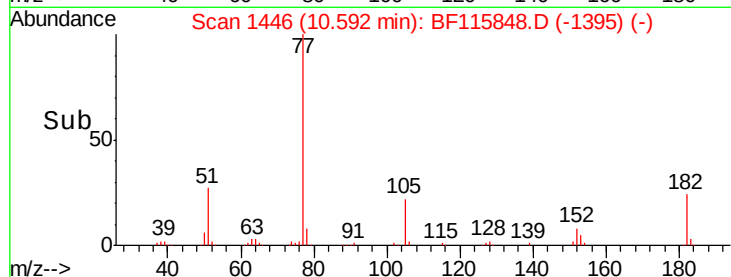


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF115848.D

Acq: 30 Jul 2019 18:08

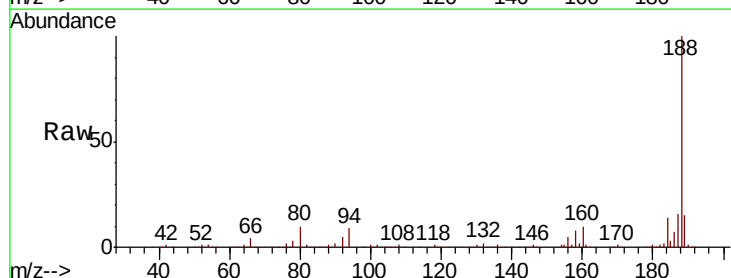
Tgt Ion: 188 Resp: 490329

Ion Ratio Lower Upper

188 100

94 8.8 8.0 12.0

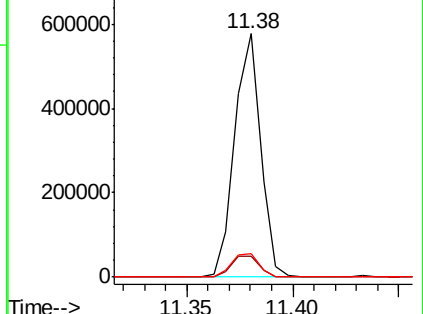
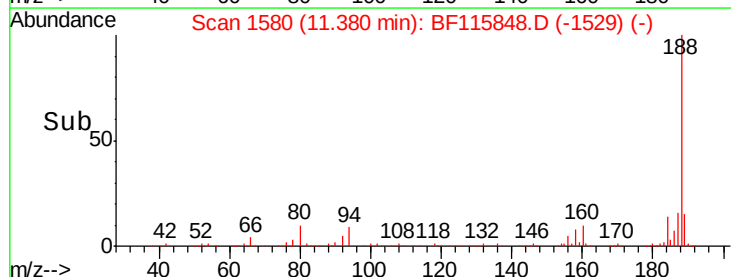
80 9.7 8.6 12.8

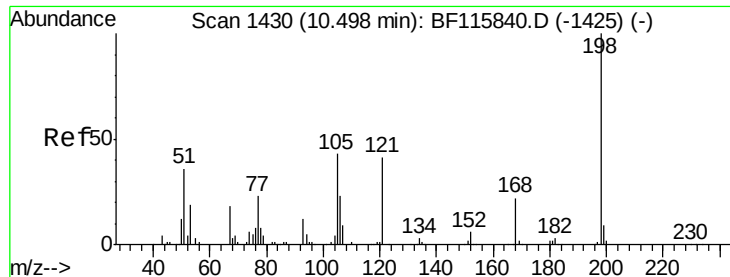


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

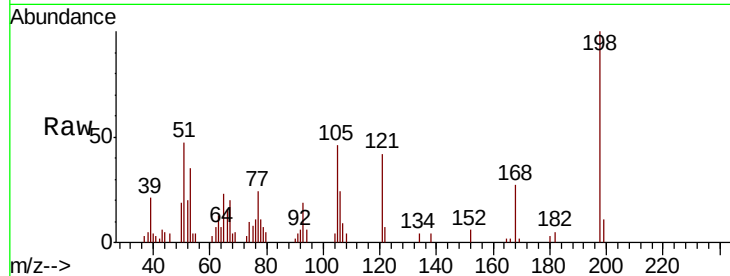




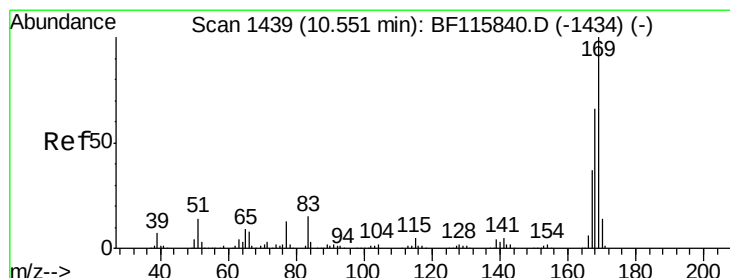
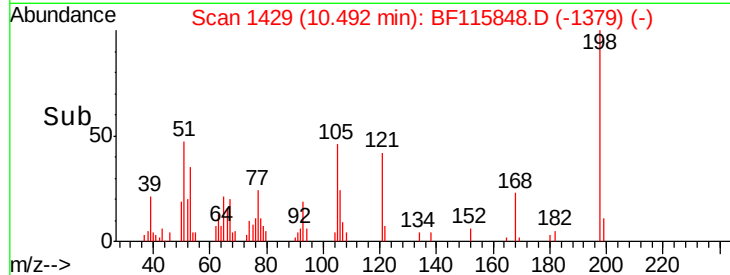
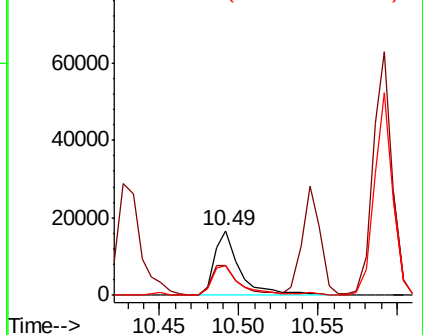
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.120 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tgt Ion:198 Resp: 18502
 Ion Ratio Lower Upper
 198 100
 51 46.6 21.1 61.1
 105 46.1 24.5 64.5

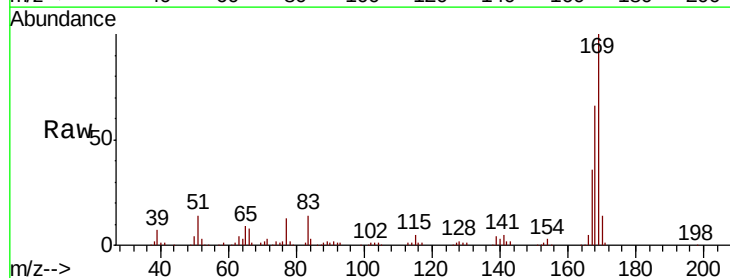


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

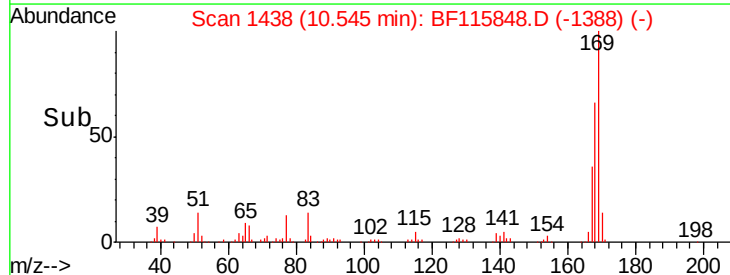
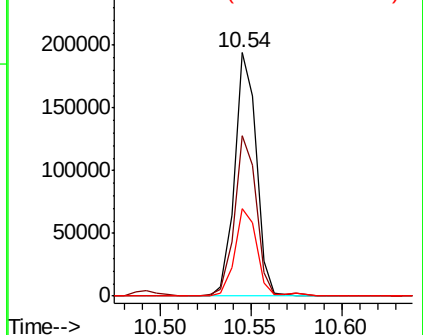


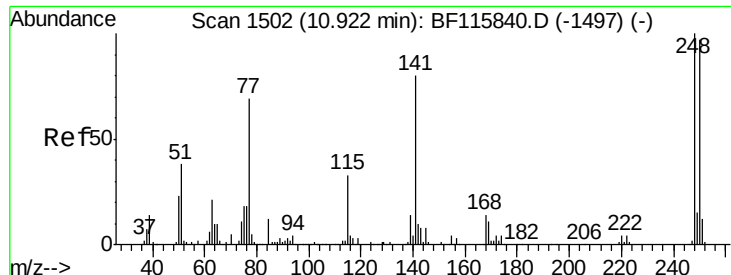
#66
 n-Nitrosodiphenylamine
 Concen: 10.976 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion:169 Resp: 161984
 Ion Ratio Lower Upper
 169 100
 168 65.8 53.0 79.6
 167 35.7 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

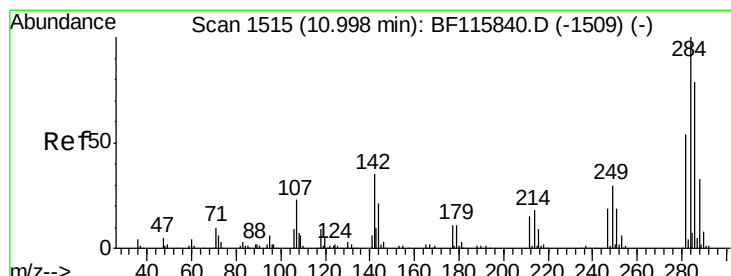
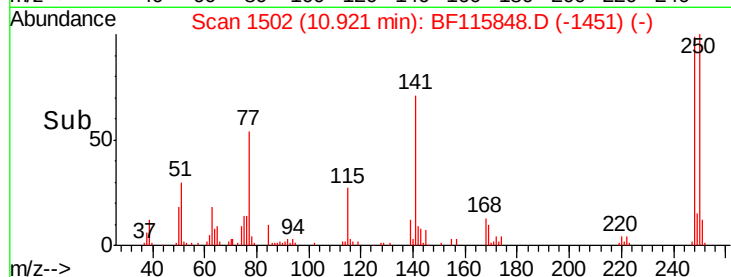
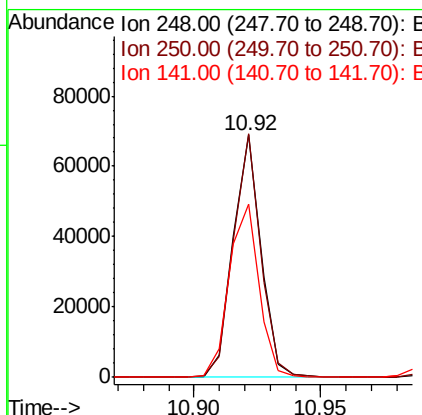
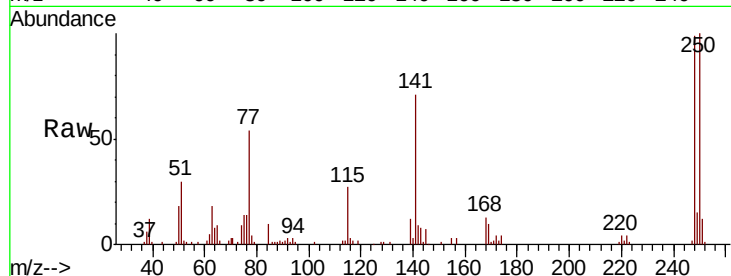




#67
 4-Bromophenyl-phenylether
 Concen: 9.995 ng
 RT: 10.92 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

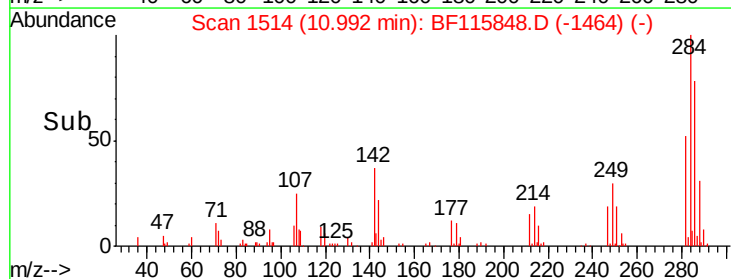
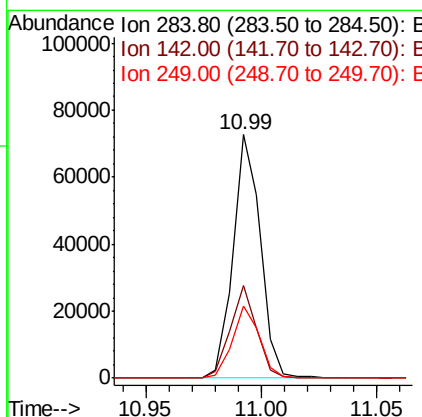
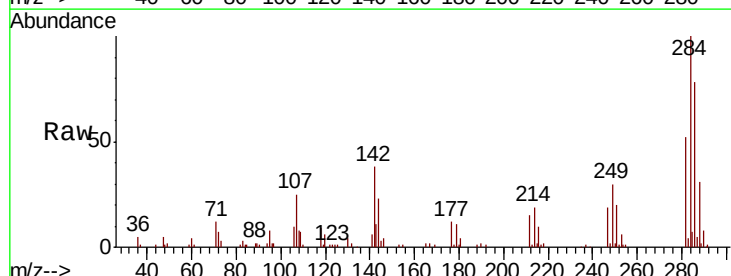
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

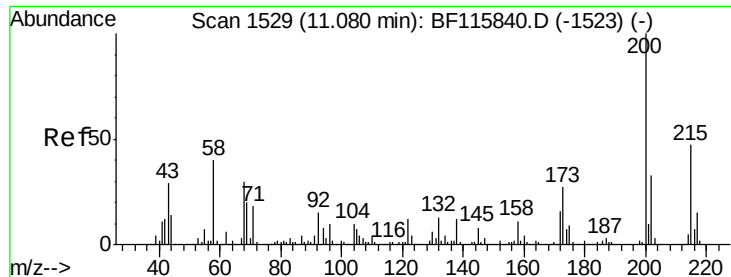
Tgt Ion: 248 Resp: 52464
 Ion Ratio Lower Upper
 248 100
 250 100.7 77.8 116.6
 141 71.9 64.3 96.5



#68
 Hexachlorobenzene
 Concen: 9.837 ng
 RT: 10.99 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion: 284 Resp: 59707
 Ion Ratio Lower Upper
 284 100
 142 37.9 28.2 42.2
 249 29.9 24.0 36.0

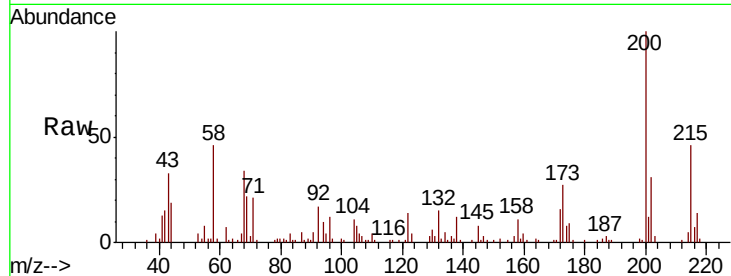




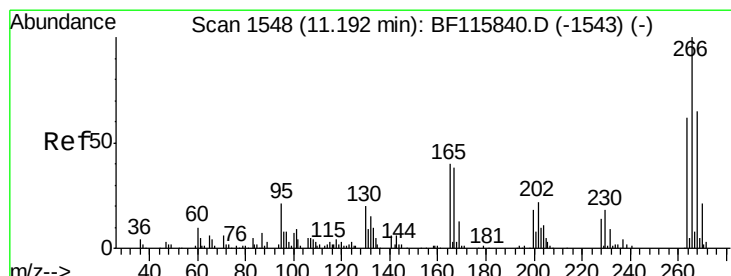
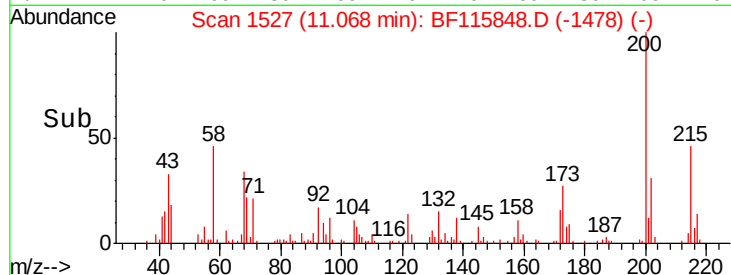
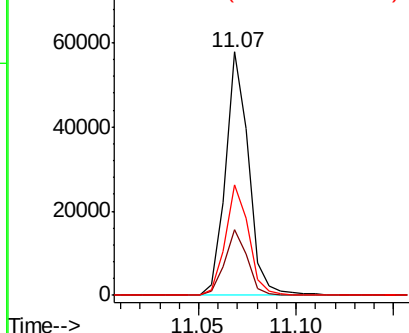
#69
Atrazine
Concen: 9.741 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tgt Ion:200 Resp: 47295
Ion Ratio Lower Upper
200 100
173 27.0 7.3 47.3
215 45.6 26.9 66.9

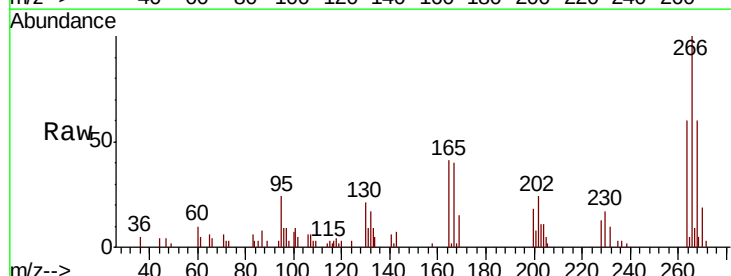


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

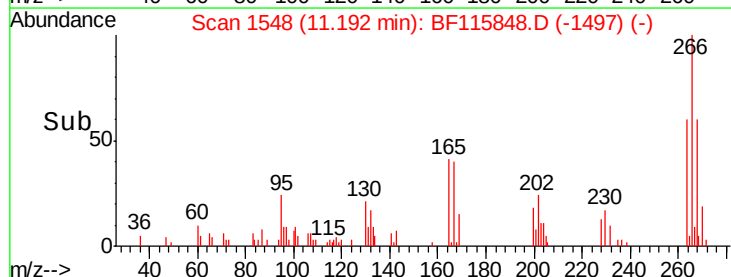
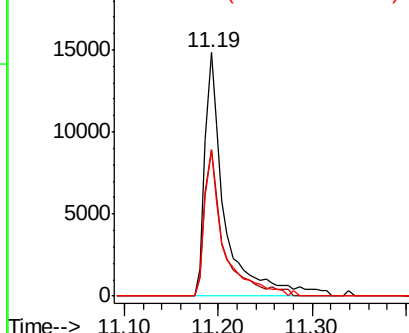


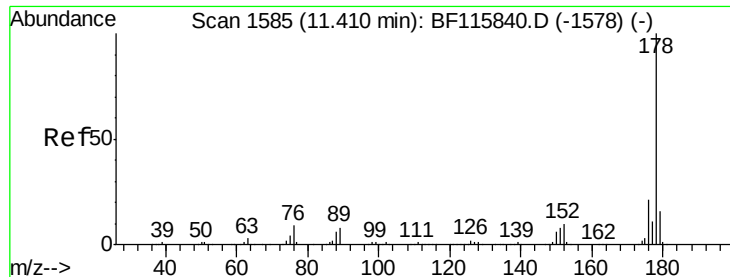
#70
Pentachlorophenol
Concen: 7.419 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion:266 Resp: 21861
Ion Ratio Lower Upper
266 100
268 64.9 51.6 77.4
264 60.3 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: 11.174 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

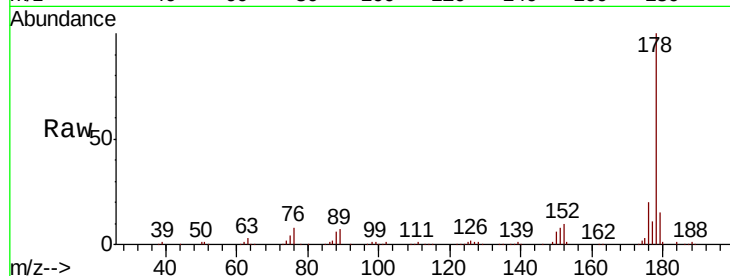
Tgt Ion:178 Resp: 280095

Ion Ratio Lower Upper

178 100

176 20.0 16.5 24.7

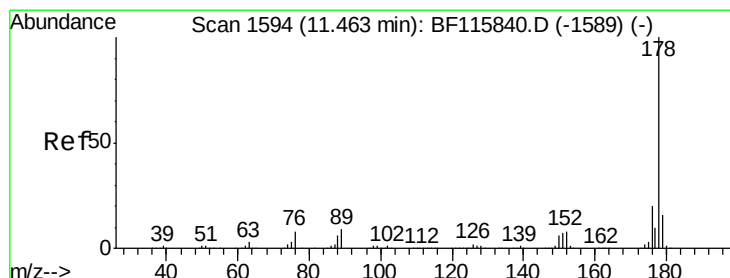
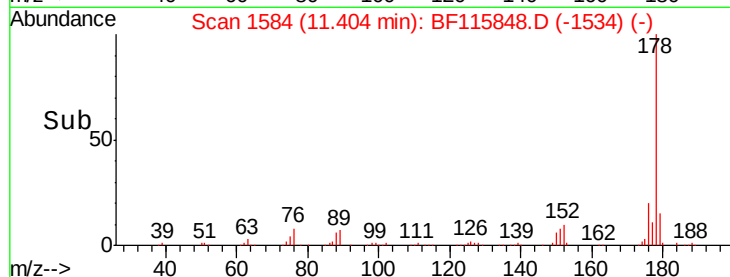
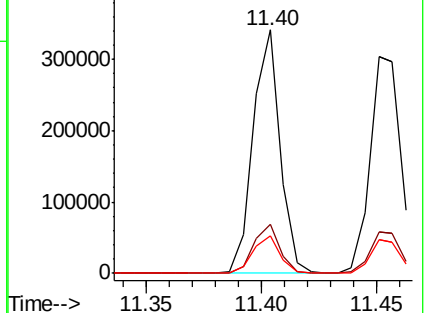
179 15.5 12.6 18.8



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: 11.244 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

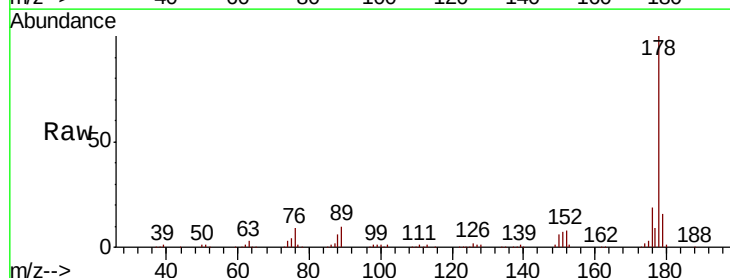
Tgt Ion:178 Resp: 285234

Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

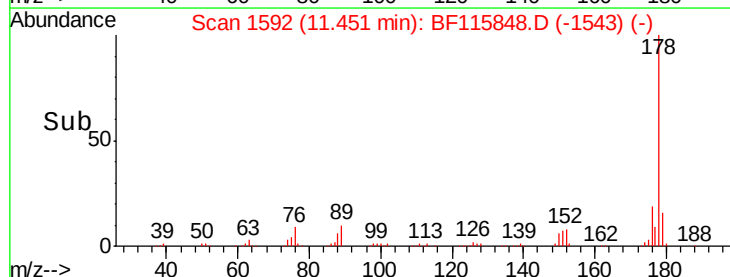
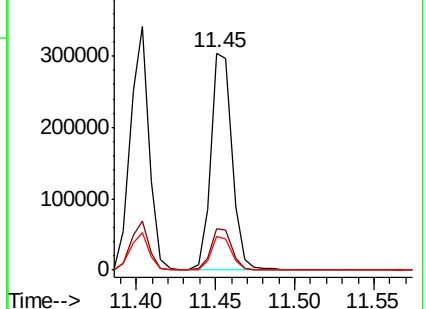
179 15.5 12.4 18.6

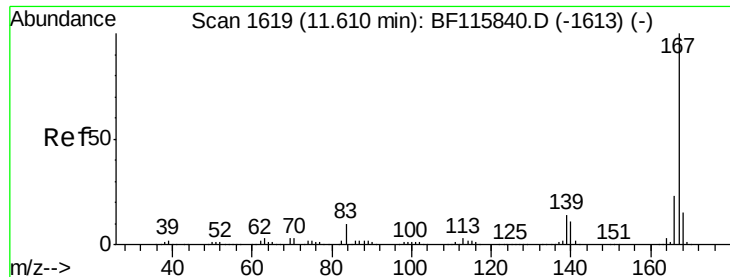


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

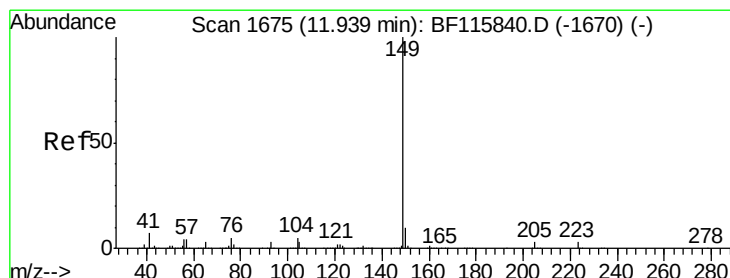
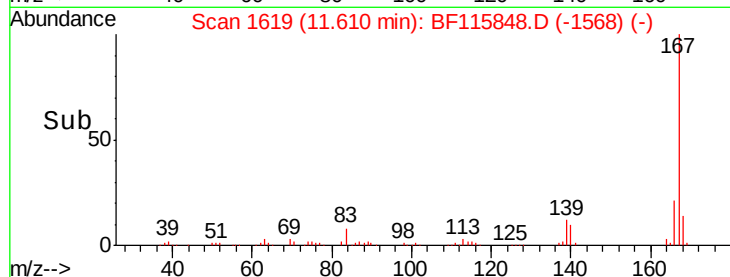
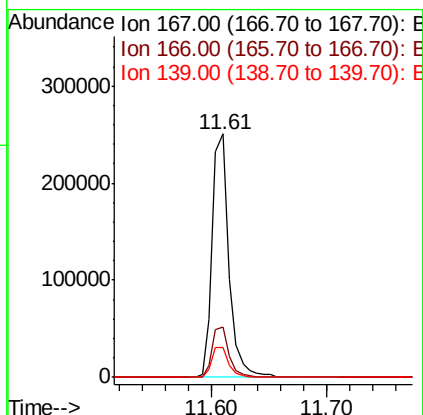
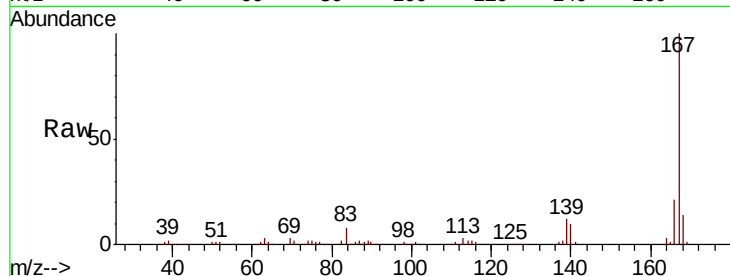




#73
 Carbazole
 Concen: 10.975 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

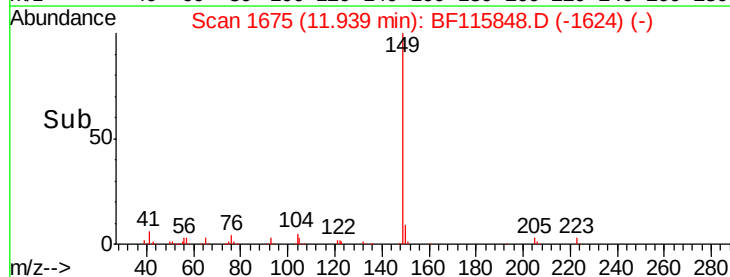
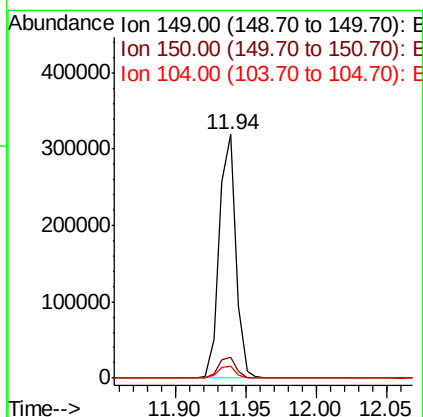
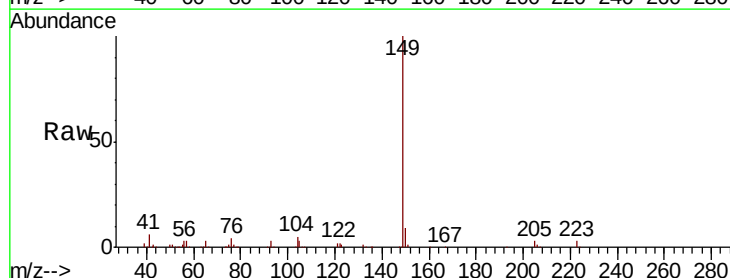
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

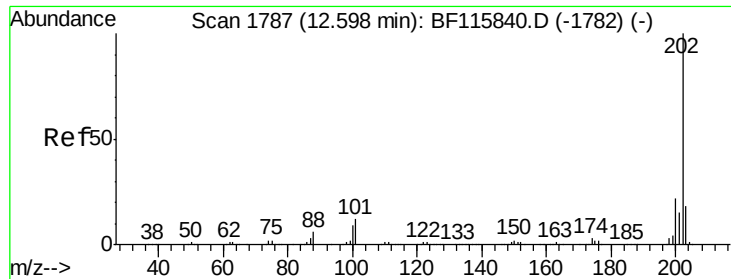
Tgt Ion:167 Resp: 252604
 Ion Ratio Lower Upper
 167 100
 166 20.8 18.0 27.0
 139 12.4 11.4 17.2



#74
 Di-n-butylphthalate
 Concen: 9.724 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion:149 Resp: 261086
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.7 11.5
 104 4.9 4.3 6.5

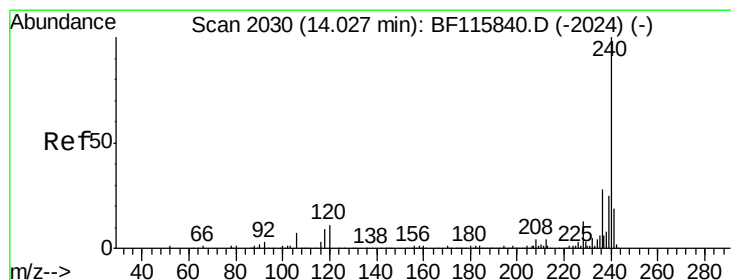
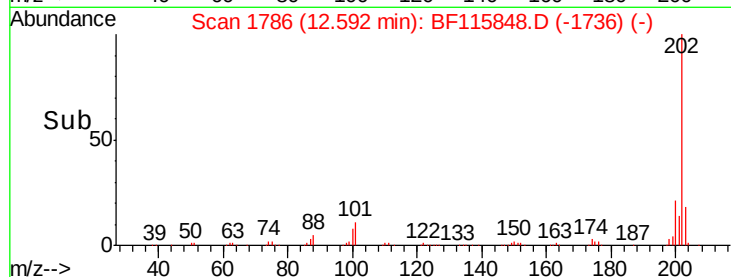
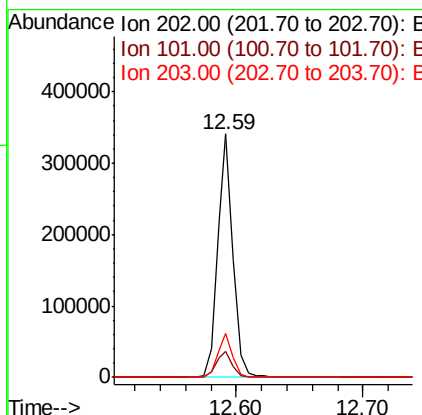
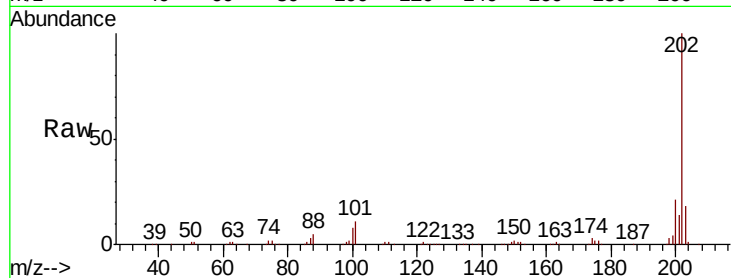




#75
 Fluoranthene
 Concen: 10.928 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

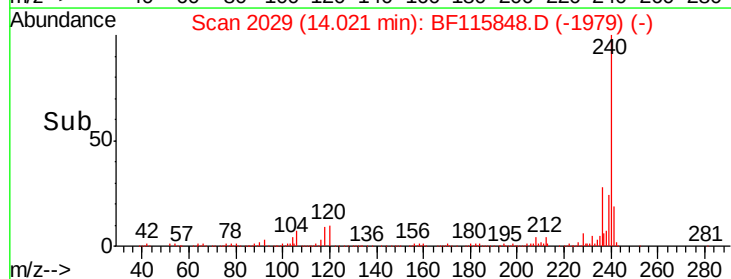
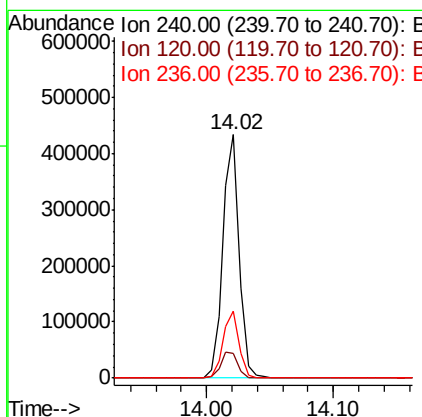
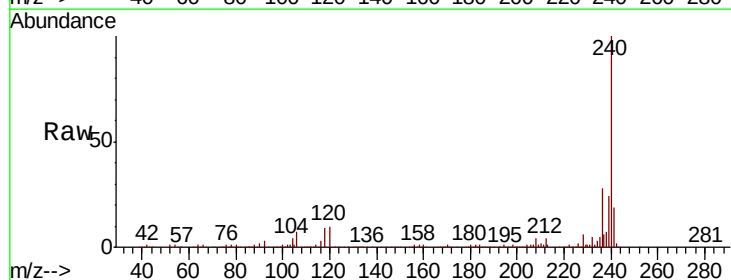
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

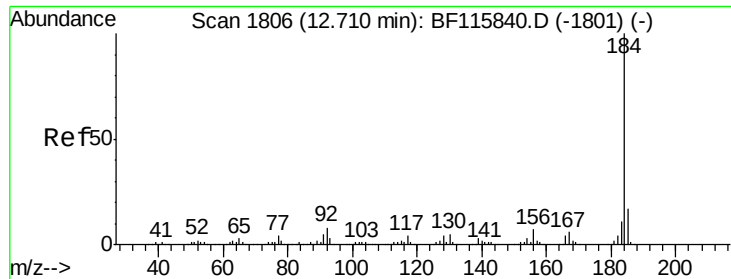
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	286769		
101	10.8	0.0	31.5	
203	18.0	0.0	37.9	



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	386032		
120	10.3	8.5	12.7	
236	27.7	22.2	33.2	





#77

Benzidine

Concen: 10.154 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

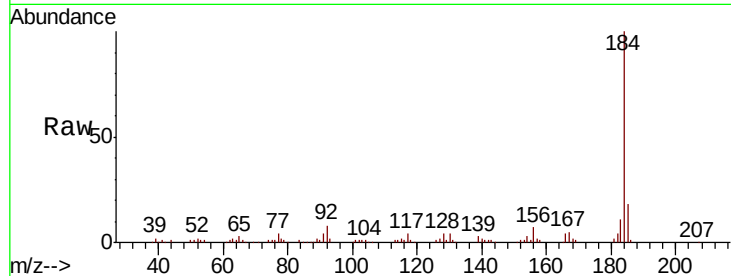
Tgt Ion:184 Resp: 132420

Ion Ratio Lower Upper

184 100

185 18.0 13.4 20.2

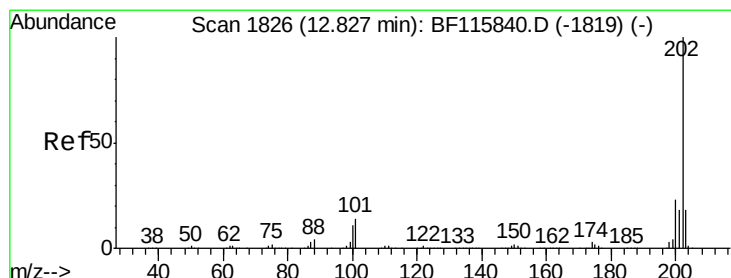
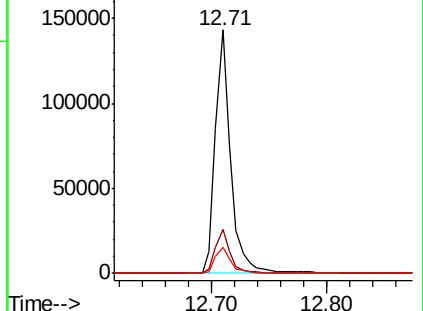
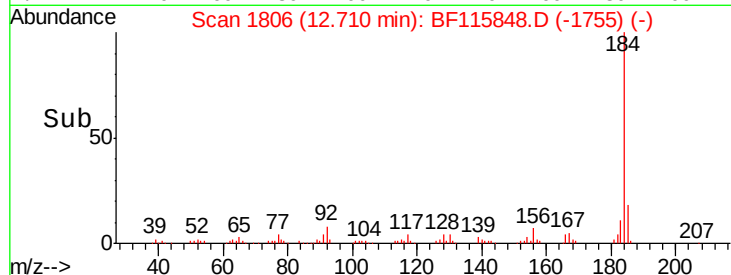
183 10.9 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 10.217 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

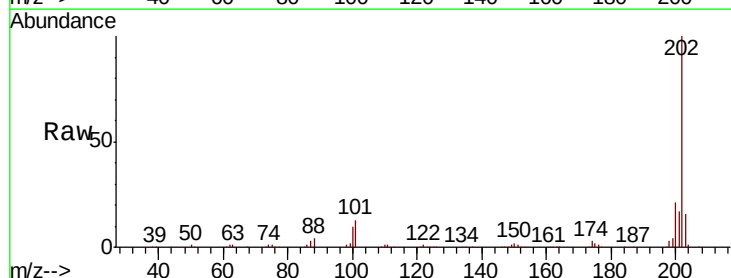
Tgt Ion:202 Resp: 297316

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.2

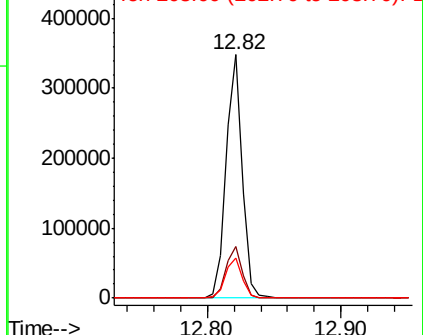
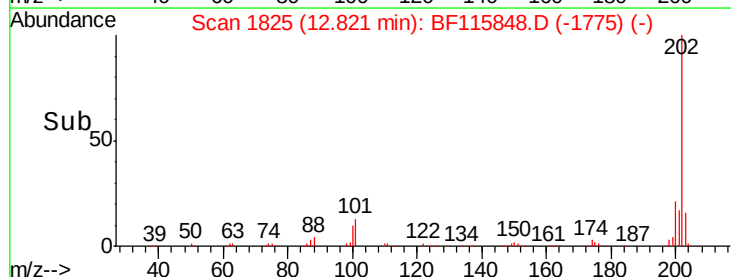
203 16.5 14.3 21.5

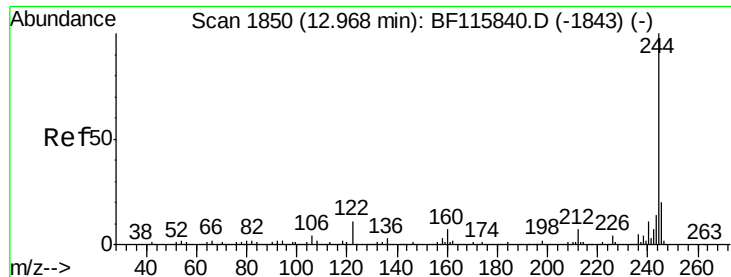


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

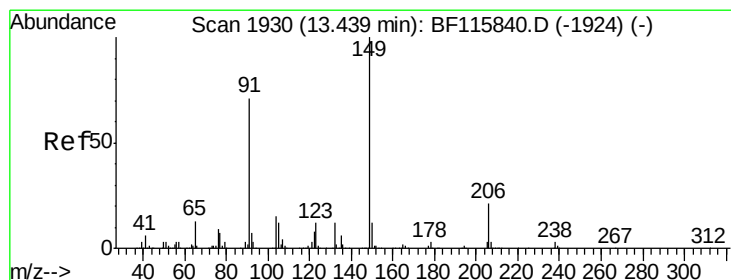
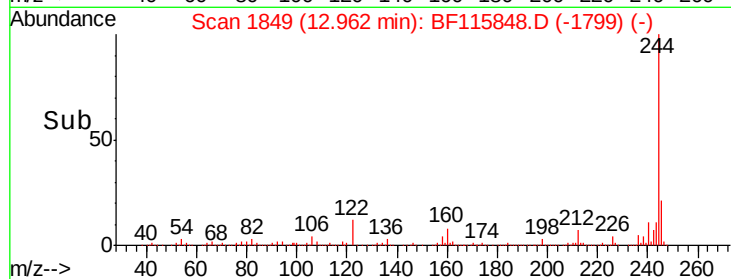
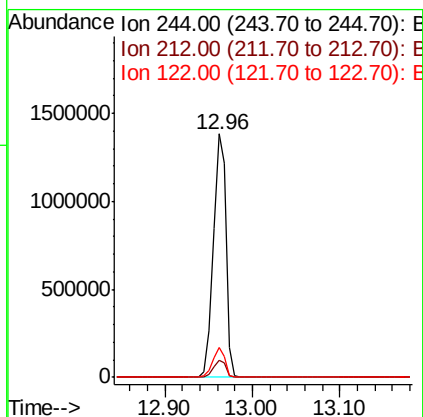
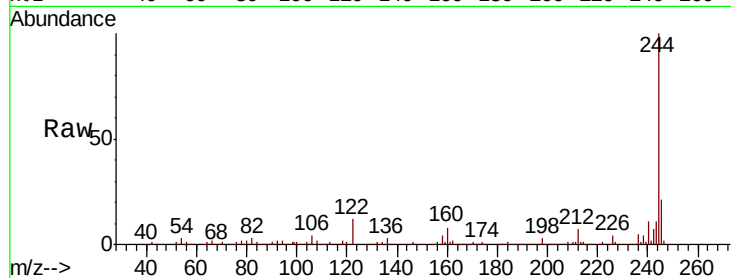




#79
 Terphenyl-d14
 Concen: 76.077 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

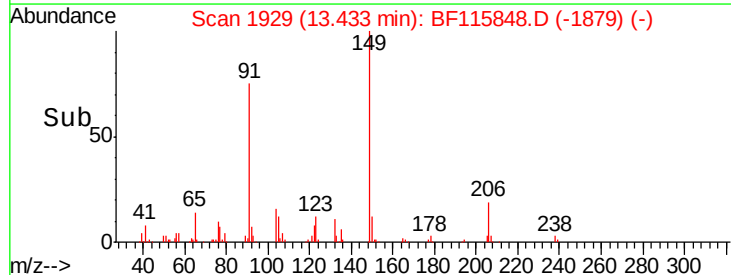
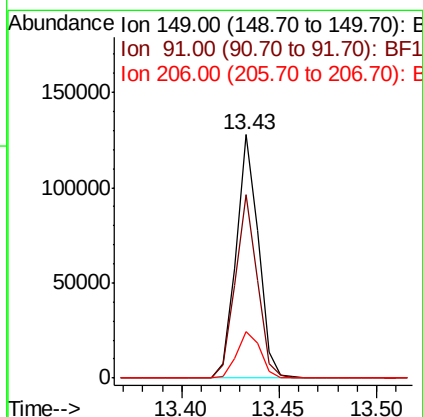
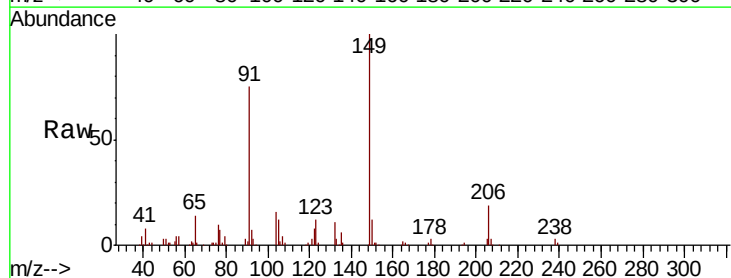
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

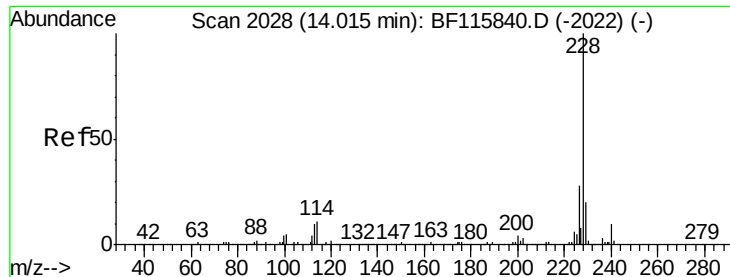
Tgt Ion:244 Resp: 1393732
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 12.5 8.6 13.0



#80
 Butylbenzylphthalate
 Concen: 8.242 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF115848.D
 Acq: 30 Jul 2019 18:08

Tgt Ion:149 Resp: 101457
 Ion Ratio Lower Upper
 149 100
 91 75.1 57.0 85.6
 206 18.9 16.9 25.3





#81

Benzo(a)anthracene

Concen: 10.008 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

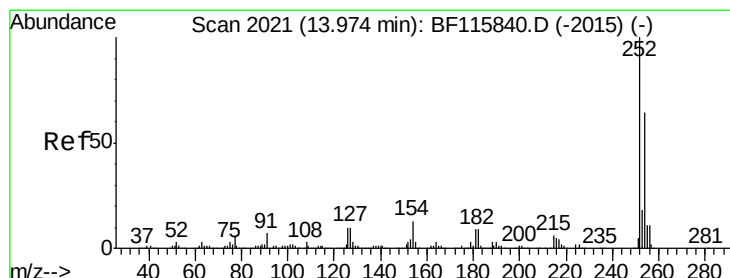
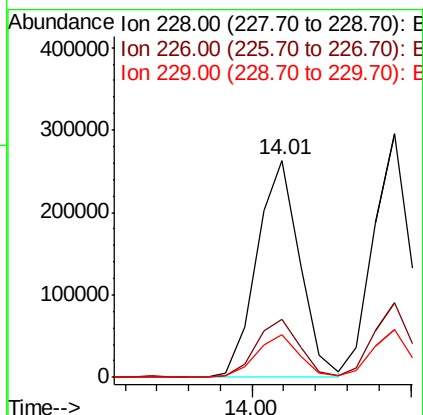
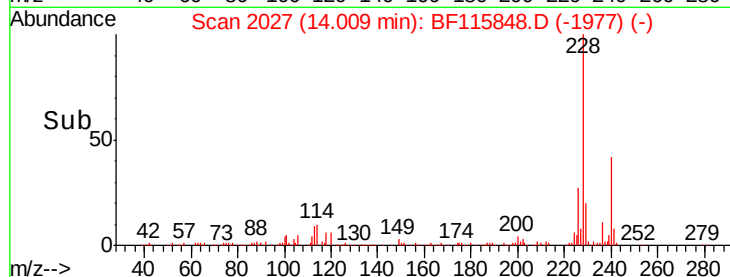
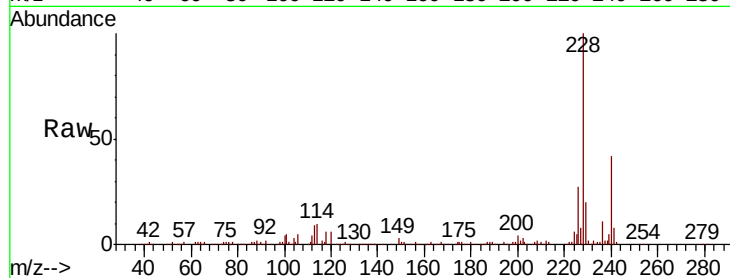
Tgt Ion:228 Resp: 246938

Ion Ratio Lower Upper

228 100

226 26.8 22.5 33.7

229 19.5 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 10.276 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

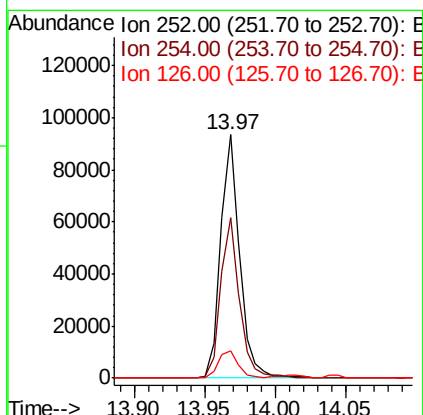
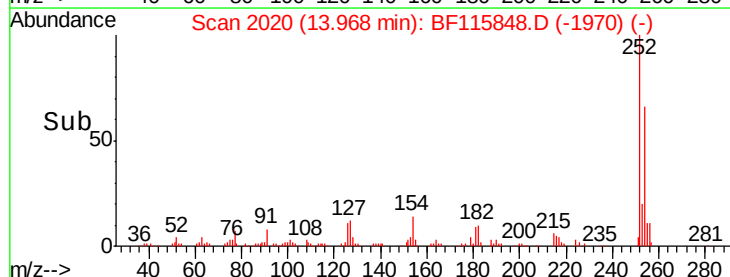
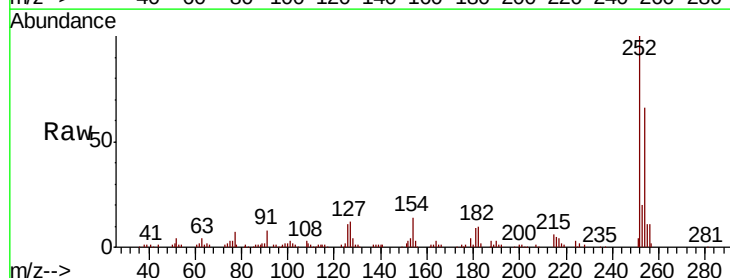
Tgt Ion:252 Resp: 88085

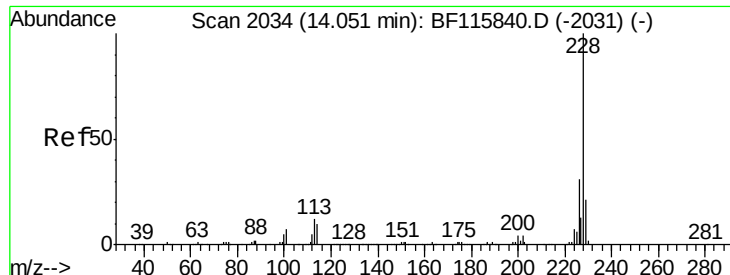
Ion Ratio Lower Upper

252 100

254 65.9 51.2 76.8

126 11.0 8.1 12.1





#83

Chrysene

Concen: 10.182 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

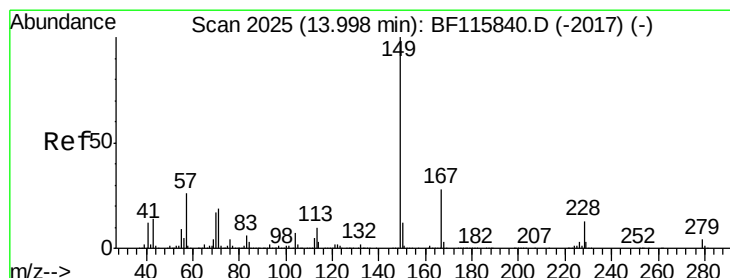
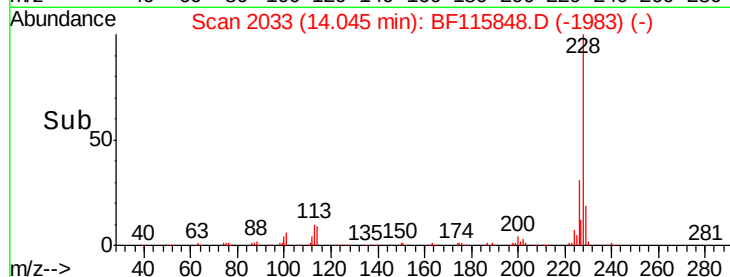
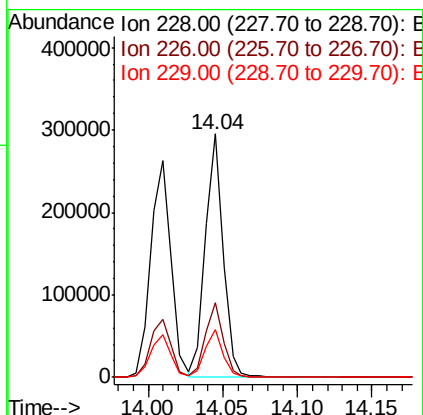
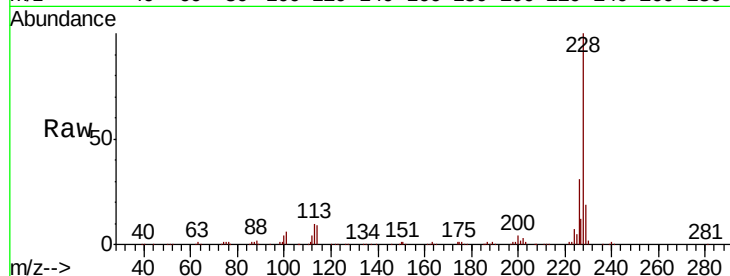
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tgt Ion:	228	Resp:	243913
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.8	37.2
229	19.5	16.4	24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.577 ng

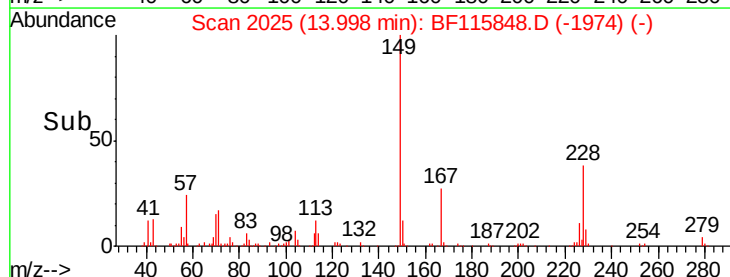
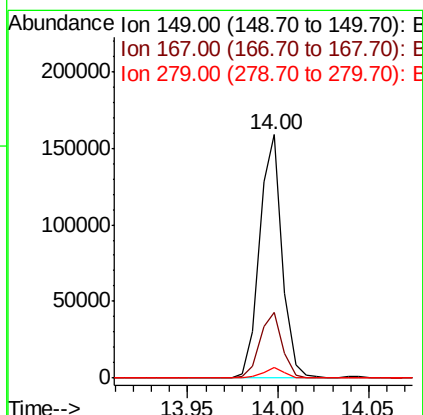
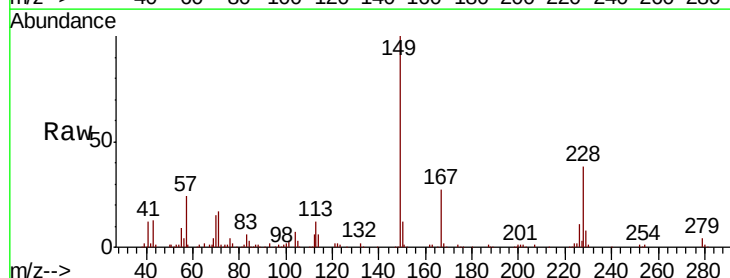
RT: 14.00 min Scan# 2025

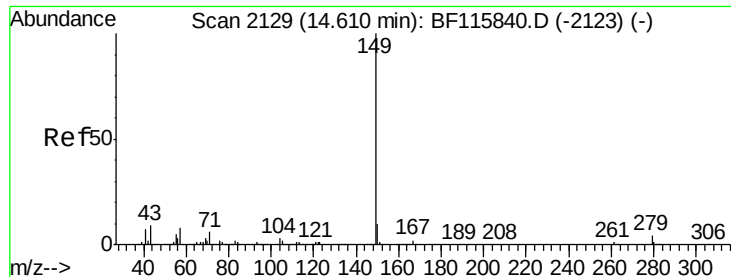
Delta R.T. -0.00 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Tgt Ion:	149	Resp:	137194
Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.4	33.6
279	4.5	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 8.498 ng

RT: 14.60 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

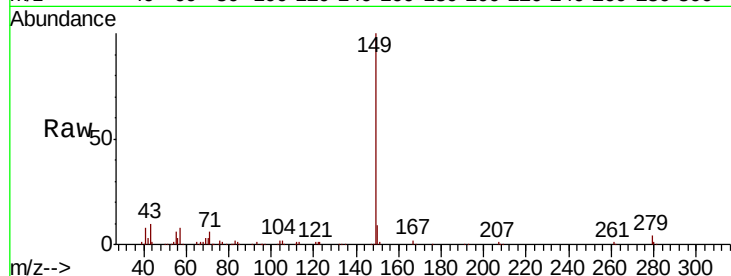
Tgt Ion:149 Resp: 215922

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

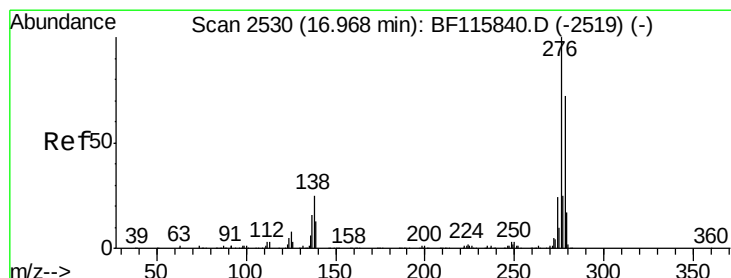
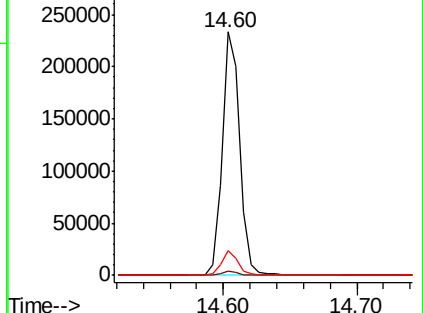
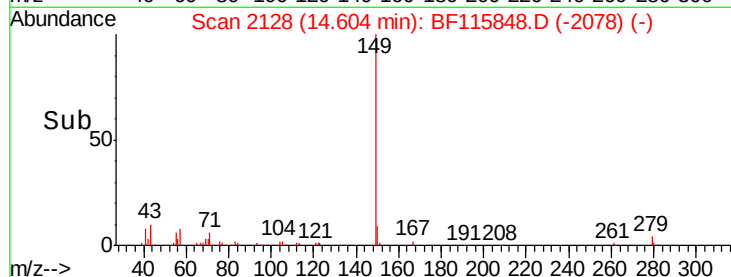
43 9.6 7.4 11.0



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: 9.119 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

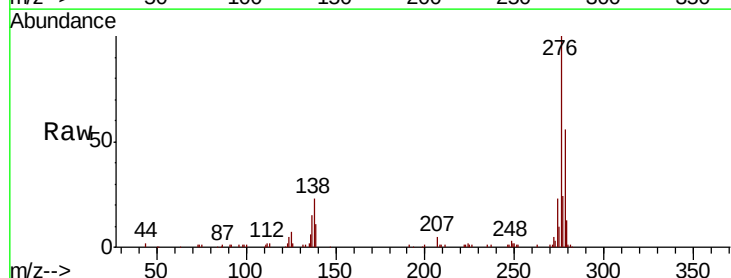
Tgt Ion:276 Resp: 183473

Ion Ratio Lower Upper

276 100

138 24.2 19.6 29.4

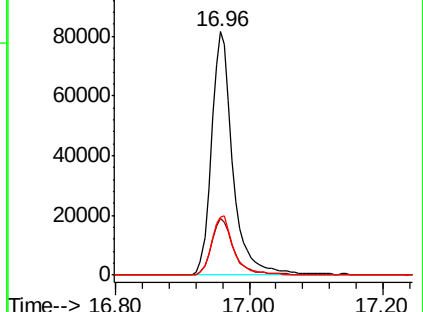
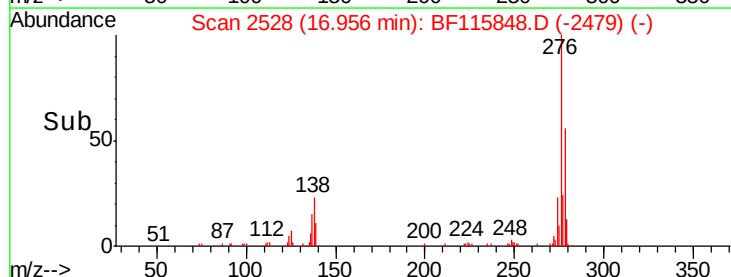
277 24.7 20.1 30.1

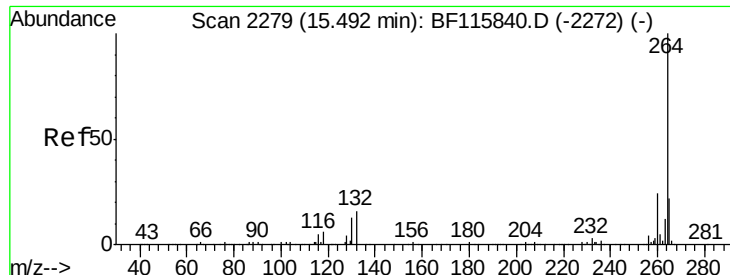


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



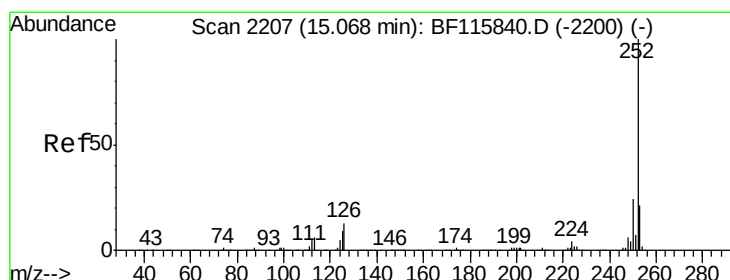
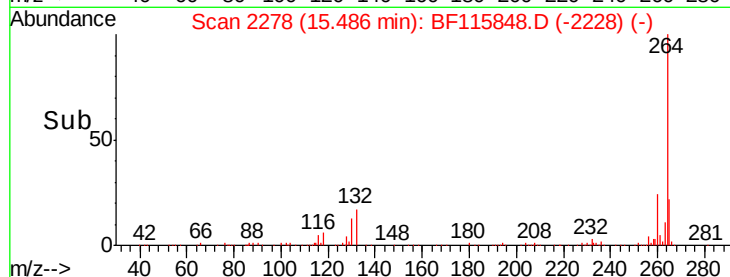
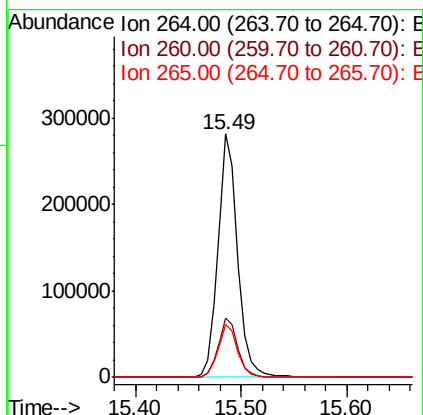
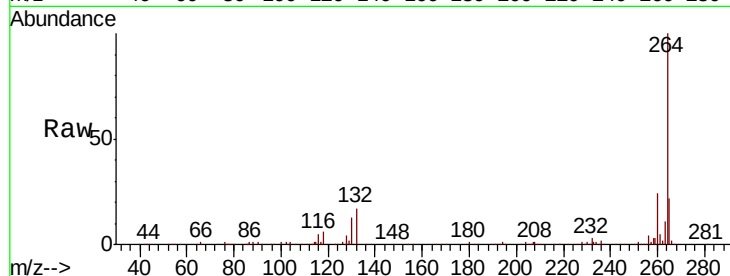


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tgt Ion: 264 Resp: 369708

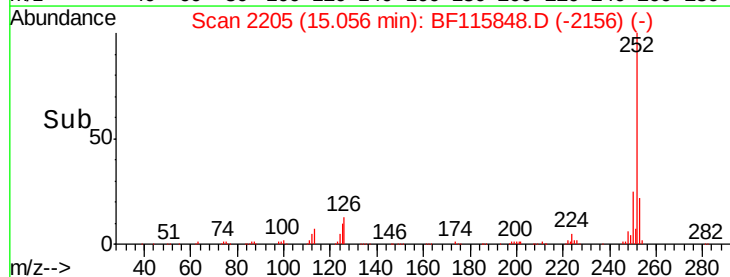
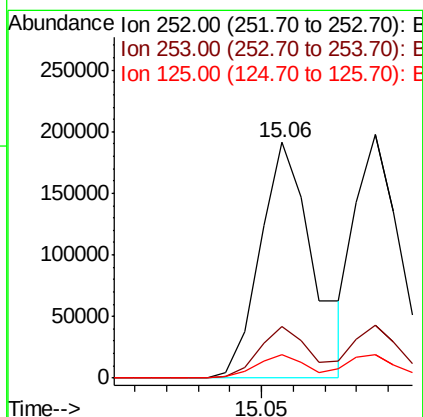
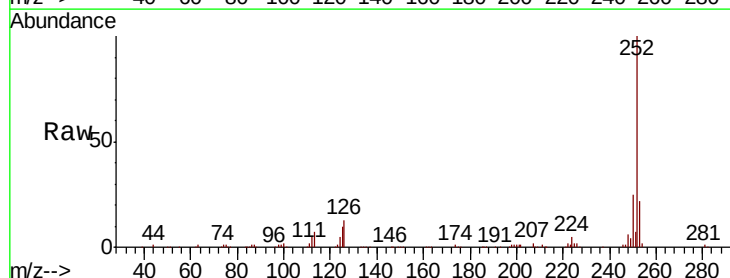
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.7	17.5	26.3

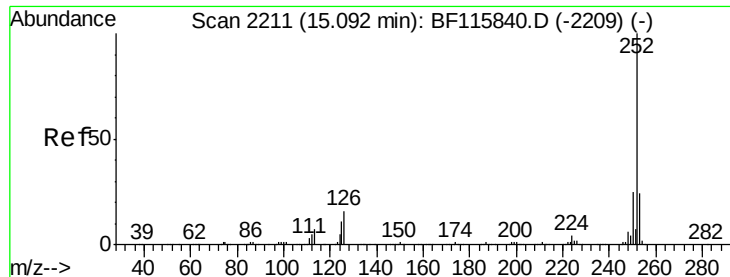


#88
Benzo(b)fluoranthene
Concen: 10.423 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion: 252 Resp: 222811

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	10.0	7.4	11.0

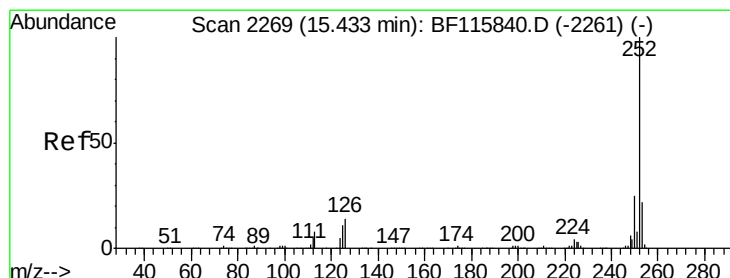
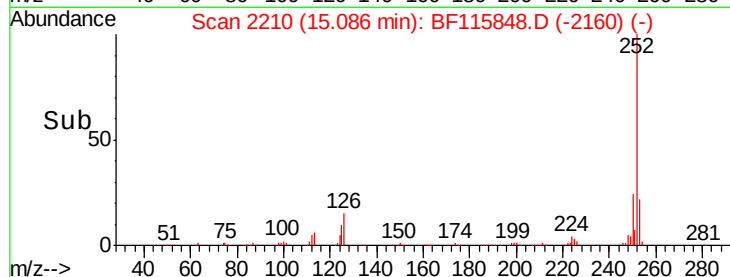
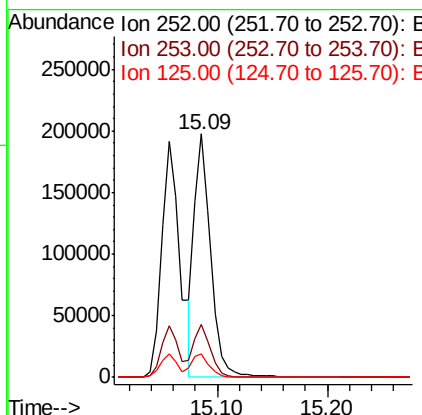
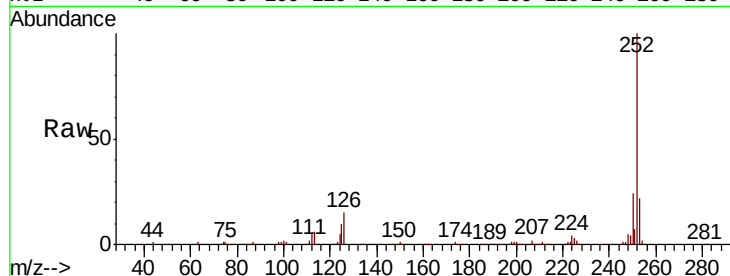




#89
Benzo(k)fluoranthene
Concen: 9.637 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

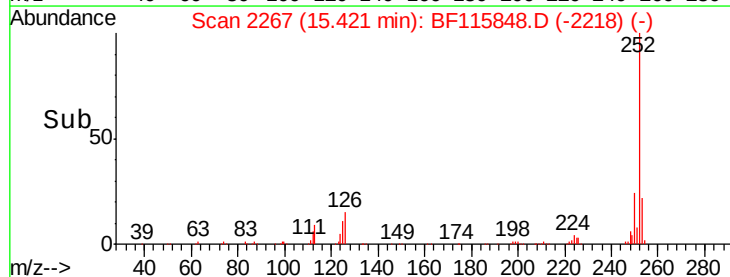
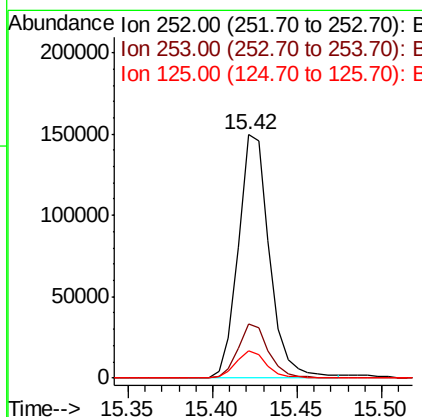
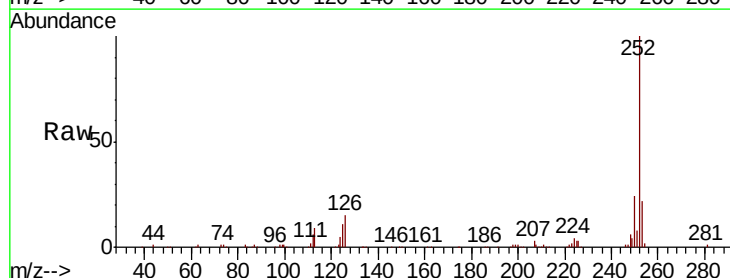
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2019

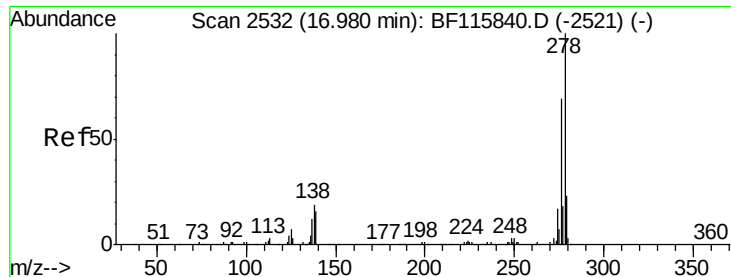
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	9.6	8.9	13.3



#90
Benzo(a)pyrene
Concen: 10.070 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF115848.D
Acq: 30 Jul 2019 18:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.2	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 9.299 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2019

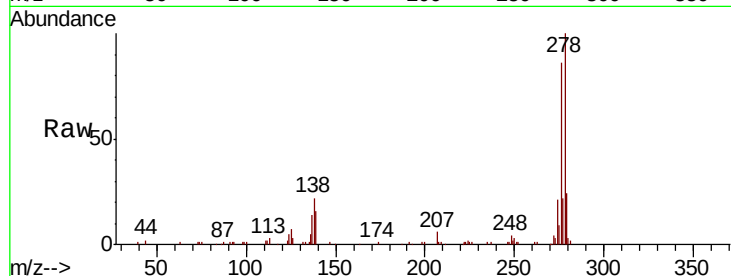
Tgt Ion: 278 Resp: 153822

Ion Ratio Lower Upper

278 100

139 15.6 12.6 19.0

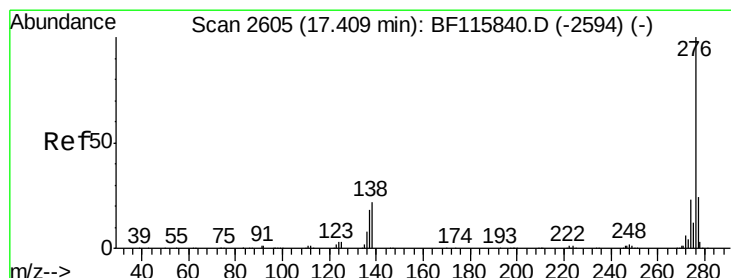
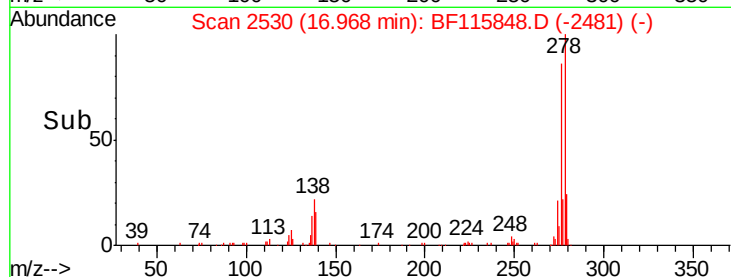
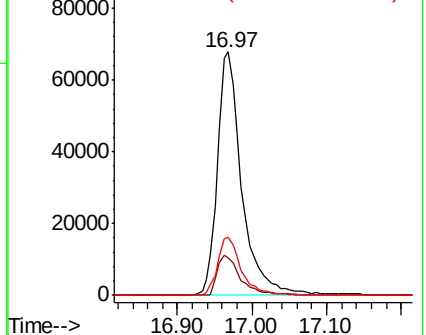
279 23.9 18.8 28.2



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: 9.102 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.01 min

Lab File: BF115848.D

Acq: 30 Jul 2019 18:08

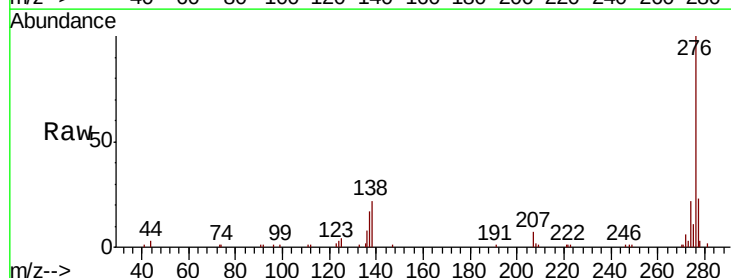
Tgt Ion: 276 Resp: 147866

Ion Ratio Lower Upper

276 100

277 22.8 19.5 29.3

138 21.7 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

