

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115865.D
 Acq On : 31 Jul 2019 14:52
 Operator : HP/JU
 Sample : K3591-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Quant Time: Aug 01 04:52:30 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 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140839	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	550377	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	292726	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	507589	20.00	ng	0.00
76) Chrysene-d12	14.02	240	381225	20.00	ng	-0.01
87) Perylene-d12	15.49	264	354151	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	842850	100.18	ng	0.00
7) Phenol-d6	6.48	99	1066117	100.44	ng	0.00
23) Nitrobenzene-d5	7.42	82	784446	82.27	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	279961	98.65	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1294837	82.85	ng	0.00
79) Terphenyl-d14	12.96	244	1383275	76.46	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	35465	8.344	ng	98
3) Pyridine	3.42	79	74908	6.309	ng	99
4) n-Nitrosodimethylamine	3.30	42	34851	7.438	ng	# 96
6) Aniline	6.52	93	124157	8.168	ng	99
8) 2-Chlorophenol	6.64	128	77041	8.281	ng	97
9) Benzaldehyde	6.40	77	68034	9.289	ng	96
10) Phenol	6.49	94	105180	8.415	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	73776	8.028	ng	96
12) 1,3-Dichlorobenzene	6.79	146	86792	8.073	ng	98
13) 1,4-Dichlorobenzene	6.87	146	87897	8.165	ng	99
14) 1,2-Dichlorobenzene	7.02	146	82328	8.306	ng	98
15) Benzyl Alcohol	6.99	79	70668	8.773	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	98212	7.835	ng	99
17) 2-Methylphenol	7.10	107	63553	8.068	ng	99
18) Hexachloroethane	7.36	117	30167	7.611	ng	95
19) n-Nitroso-di-n-propylamine	7.26	70	54783	8.329	ng	97
20) 3+4-Methylphenols	7.26	107	81782	8.773	ng	# 50
22) Acetophenone	7.26	105	110938	9.191	ng	97
24) Nitrobenzene	7.43	77	90366	8.777	ng	99
25) Isophorone	7.66	82	150583	8.259	ng	97
26) 2-Nitrophenol	7.75	139	36670	7.556	ng	97
27) 2,4-Dimethylphenol	7.78	122	64638	8.853	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	89908	7.956	ng	99
29) 2,4-Dichlorophenol	7.99	162	63322	8.214	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	71213	8.104	ng	100
31) Naphthalene	8.15	128	233285	9.007	ng	98
33) 4-Chloroaniline	8.20	127	94207	8.141	ng	98
34) Hexachlorobutadiene	8.27	225	39514	7.806	ng	99
35) Caprolactam	8.54	113	19603	7.862	ng	97
36) 4-Chloro-3-methylphenol	8.69	107	64665	8.063	ng	99
37) 2-Methylnaphthalene	8.85	142	155235	9.101	ng	97
38) 1-Methylnaphthalene	8.95	142	143260	8.878	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	66489	8.496	ng	98
41) Hexachlorocyclopentadiene	9.00	237	11939	9.068	ng	96

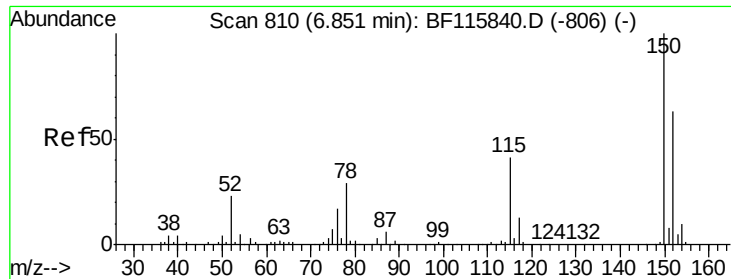
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115865.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	9.13	196	37648	6.989	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	42816	7.690	ng	98
46) 1,1'-Biphenyl	9.31	154	187473	9.071	ng	99
47) 2-Chloronaphthalene	9.34	162	142618	8.291	ng	99
48) 2-Nitroaniline	9.43	65	41813	7.354	ng	# 82
49) Acenaphthylene	9.75	152	222918	8.883	ng	99
50) Dimethylphthalate	9.60	163	158038	7.929	ng	99
51) 2,6-Dinitrotoluene	9.67	165	33362	7.702	ng	88
52) Acenaphthene	9.92	154	134533	8.739	ng	100
53) 3-Nitroaniline	9.84	138	37436	6.995	ng	90
54) 2,4-Dinitrophenol	9.96	184	3445	9.224	ng	90
55) Dibenzofuran	10.10	168	202491	9.045	ng	99
56) 4-Nitrophenol	10.02	139	16339	4.766	ng	93
57) 2,4-Dinitrotoluene	10.07	165	43574	7.556	ng	90
58) Fluorene	10.44	166	157507	9.144	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.22	232	34102	7.280	ng	97
60) Diethylphthalate	10.30	149	147920	7.949	ng	98
61) 4-Chlorophenyl-phenylether	10.43	204	73235	8.395	ng	95
62) 4-Nitroaniline	10.44	138	39934	7.220	ng	99
63) Azobenzene	10.59	77	160091	8.364	ng	97
65) 4,6-Dinitro-2-methylphenol	10.49	198	13112	4.875	ng	96
66) n-Nitrosodiphenylamine	10.54	169	130758	8.559	ng	99
67) 4-Bromophenyl-phenylether	10.92	248	43090	7.930	ng	92
68) Hexachlorobenzene	10.99	284	49856	7.935	ng	99
69) Atrazine	11.07	200	38400	7.640	ng	97
70) Pentachlorophenol	11.19	266	13977	4.582	ng	93
71) Phenanthrene	11.40	178	230644	8.888	ng	99
72) Anthracene	11.45	178	235330	8.961	ng	100
73) Carbazole	11.61	167	204730	8.593	ng	98
74) Di-n-butylphthalate	11.94	149	207783	7.476	ng	98
75) Fluoranthene	12.59	202	231090	8.507	ng	98
77) Benzidine	12.71	184	95960	7.451	ng	99
78) Pyrene	12.82	202	244404	8.505	ng	97
80) Butylbenzylphthalate	13.43	149	79512	6.541	ng	98
81) Benzo(a)anthracene	14.01	228	195363	8.018	ng	98
82) 3,3'-Dichlorobenzidine	13.97	252	65952	7.791	ng	98
83) Chrysene	14.04	228	195178	8.251	ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	105770	6.696	ng	97
85) Di-n-octyl phthalate	14.60	149	157413	6.274	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	141678	7.131	ng	99
88) Benzo(b)fluoranthene	15.06	252	155811	7.609	ng	99
89) Benzo(k)fluoranthene	15.06	252	155811	7.812	ng	98
90) Benzo(a)pyrene	15.42	252	145274	7.936	ng	100
91) Dibenzo(a,h)anthracene	16.97	278	117833	7.437	ng	100
92) Benzo(g,h,i)perylene	17.40	276	115694	7.435	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

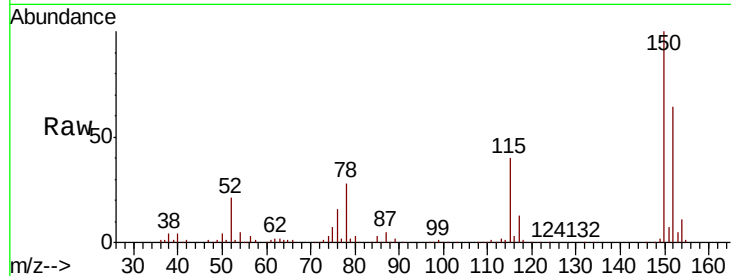
Tgt Ion:152 Resp: 140839

Ion Ratio Lower Upper

152 100

150 155.6 127.4 191.0

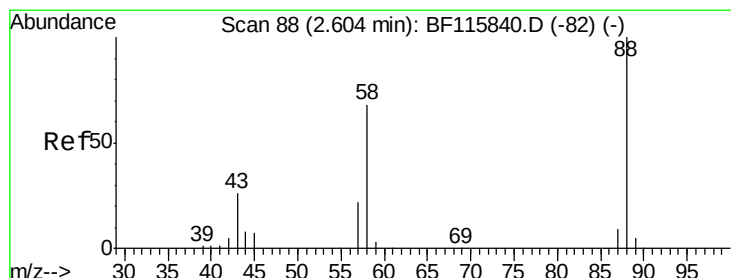
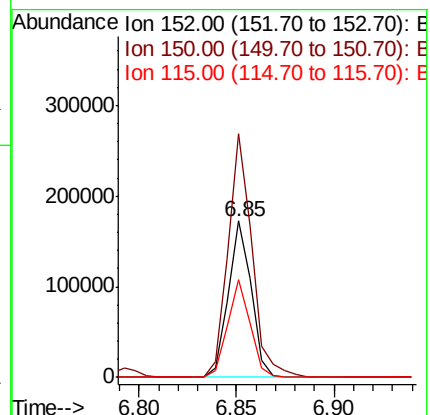
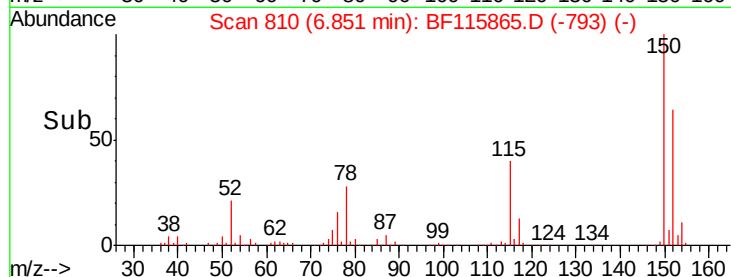
115 62.1 51.8 77.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 8.344 ng

RT: 2.61 min Scan# 89

Delta R.T. 0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

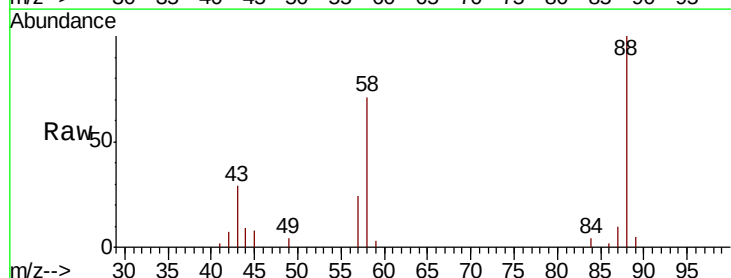
Tgt Ion: 88 Resp: 35465

Ion Ratio Lower Upper

88 100

58 67.8 54.1 81.1

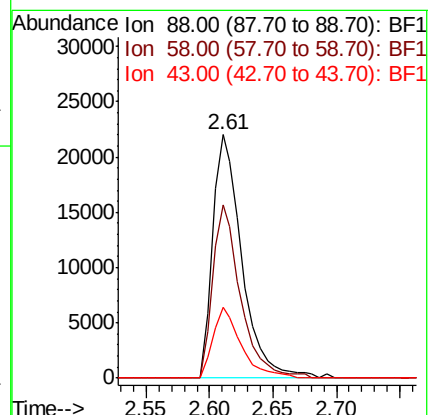
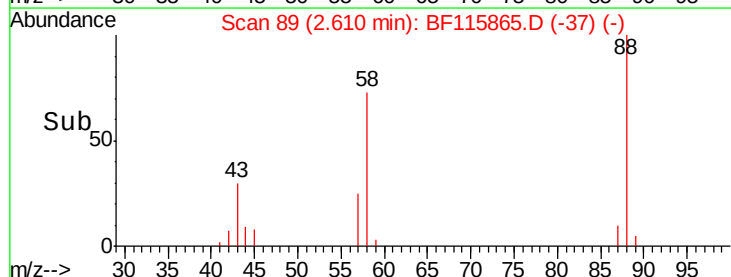
43 28.4 20.7 31.1

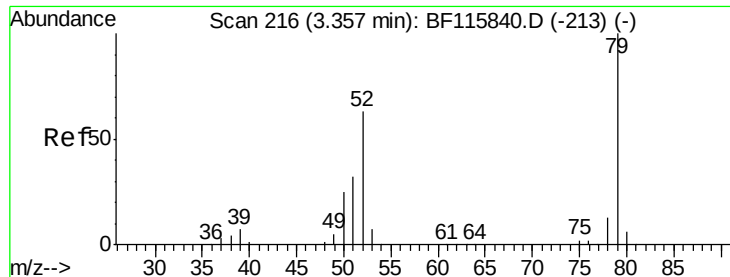


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

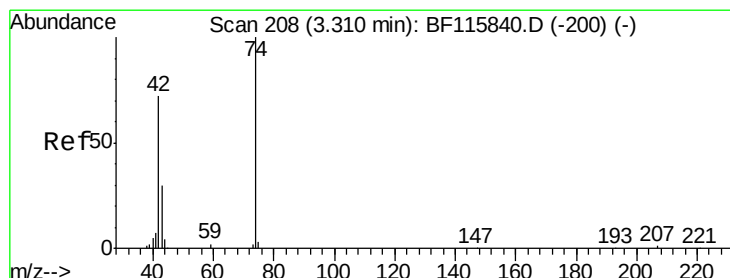
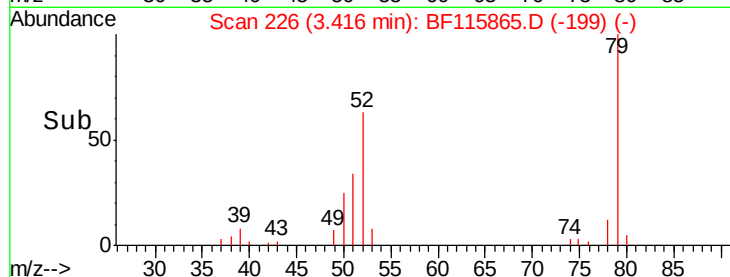
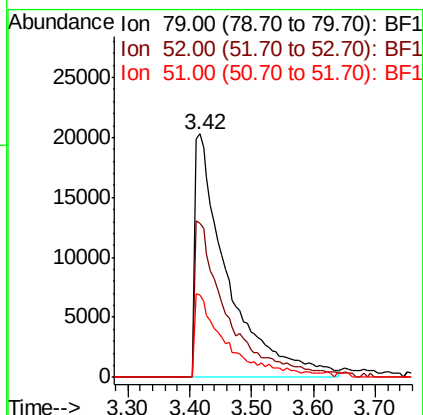
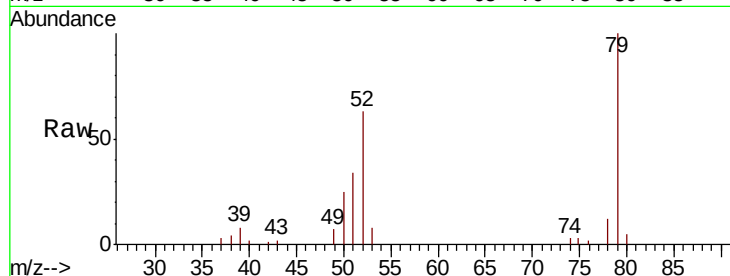




#3
 Pyridine
 Concen: 6.309 ng
 RT: 3.42 min Scan# 226
 Delta R.T. 0.06 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

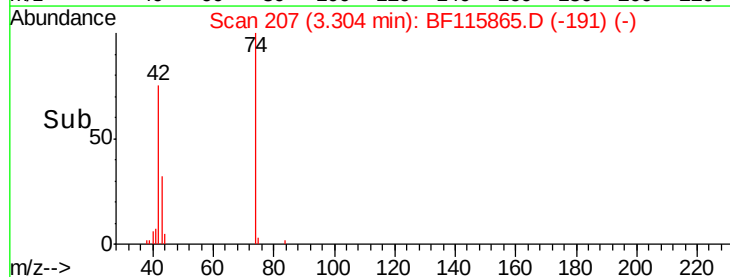
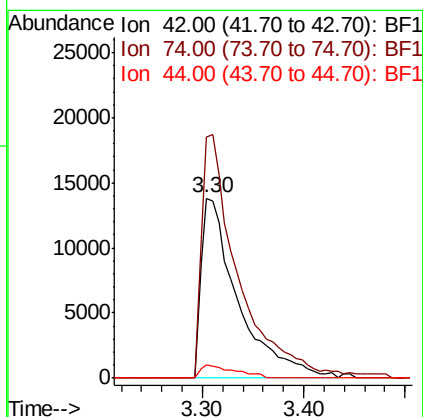
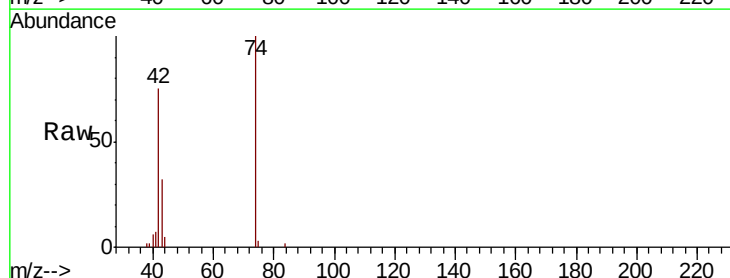
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

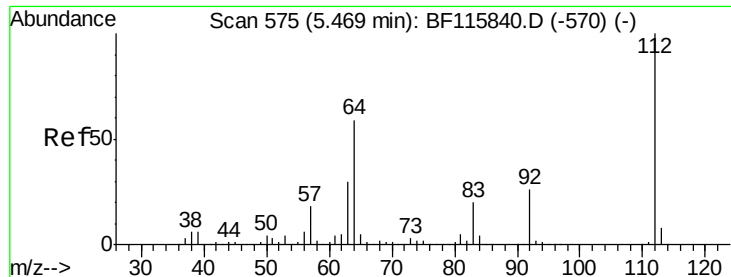
Tgt Ion: 79 Resp: 74908
 Ion Ratio Lower Upper
 79 100
 52 63.3 50.2 75.4
 51 33.8 25.8 38.6



#4
 n-Nitrosodimethylamine
 Concen: 7.438 ng
 RT: 3.30 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion: 42 Resp: 34851
 Ion Ratio Lower Upper
 42 100
 74 134.1 111.0 166.4
 44 7.2 4.7 7.1#





#5

2-Fluorophenol

Concen: 100.184 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

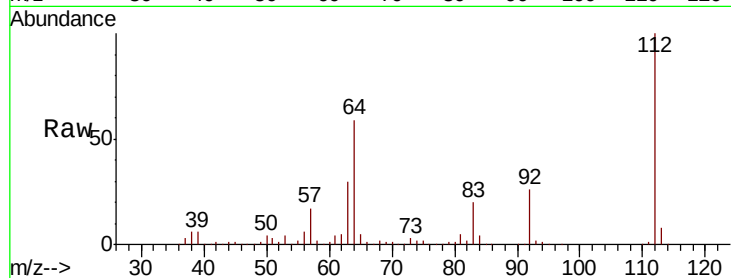
Tgt Ion: 112 Resp: 842850

Ion Ratio Lower Upper

112 100

64 58.9 46.8 70.2

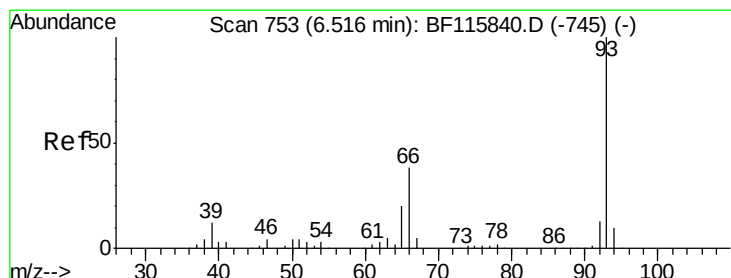
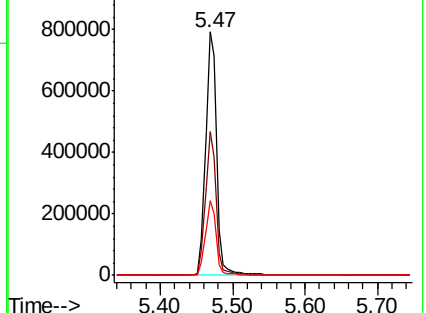
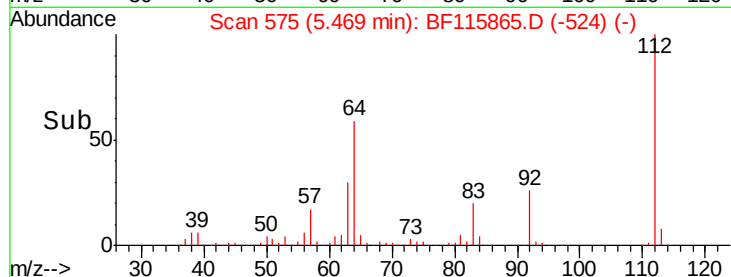
63 30.5 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.168 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

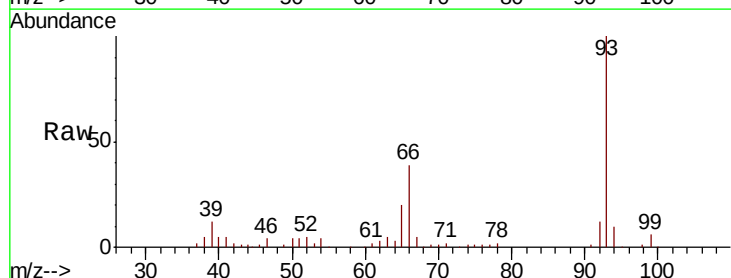
Tgt Ion: 93 Resp: 124157

Ion Ratio Lower Upper

93 100

66 38.6 31.4 47.0

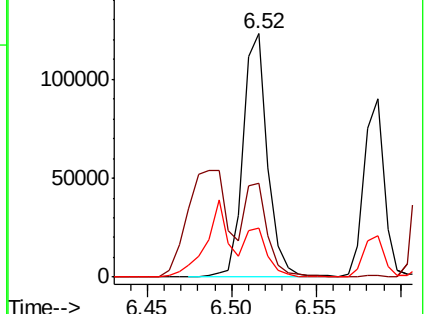
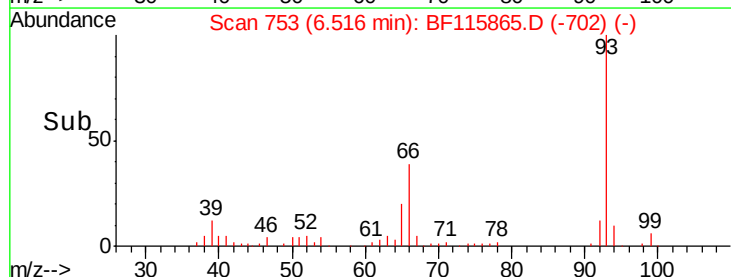
65 20.2 16.5 24.7

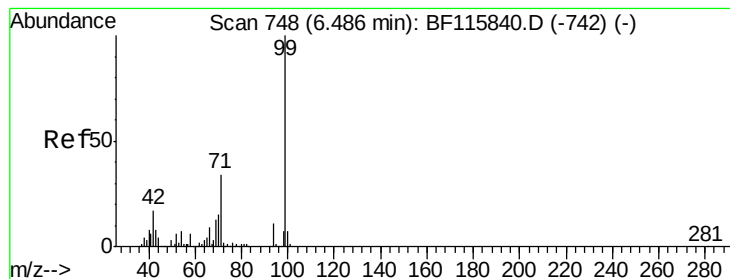


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 100.440 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115865.D

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BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

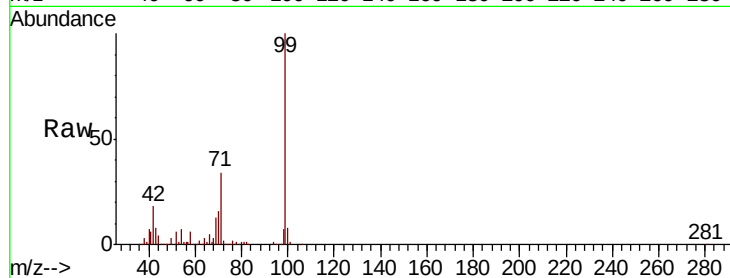
Tgt Ion: 99 Resp: 1066117

Ion Ratio Lower Upper

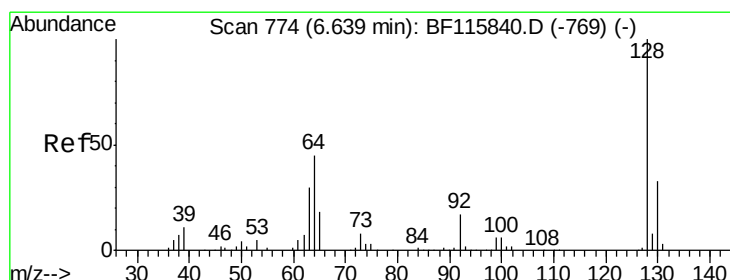
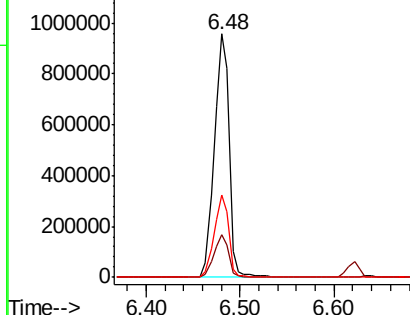
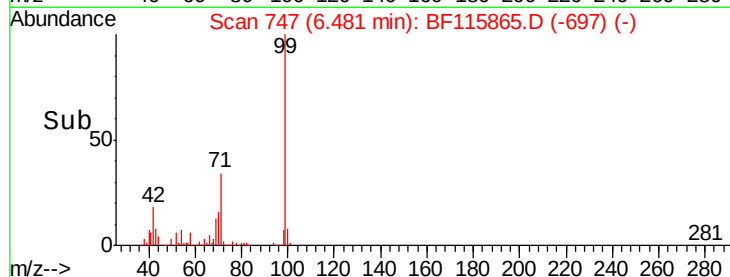
99 100

42 17.5 13.8 20.6

71 33.7 27.1 40.7



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



#8

2-Chlorophenol

Concen: 8.281 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

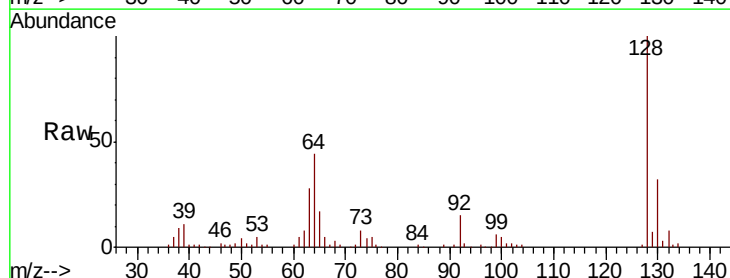
Tgt Ion: 128 Resp: 77041

Ion Ratio Lower Upper

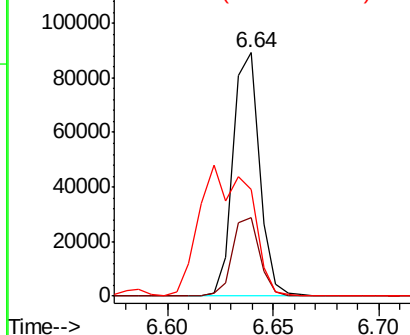
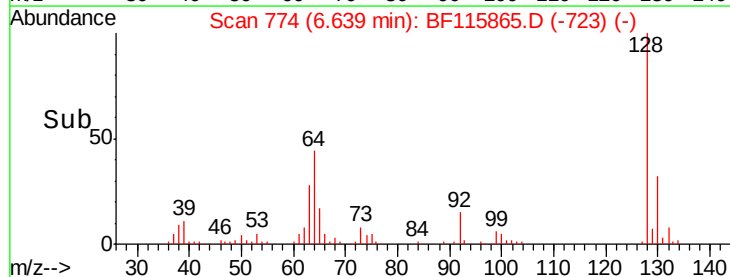
128 100

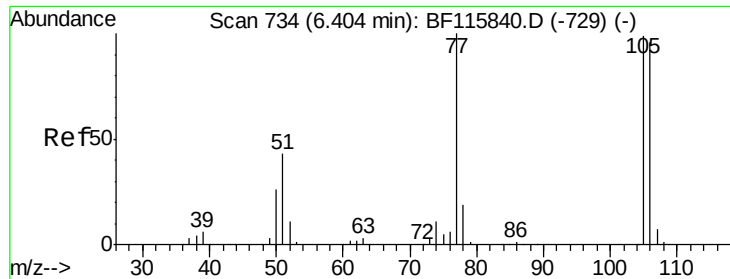
130 32.3 12.9 52.9

64 43.5 26.1 66.1



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





#9

Benzaldehyde

Concen: 9.289 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

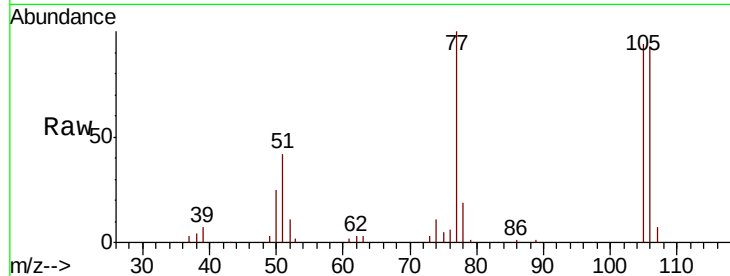
Tgt Ion: 77 Resp: 68034

Ion Ratio Lower Upper

77 100

105 93.9 79.0 119.0

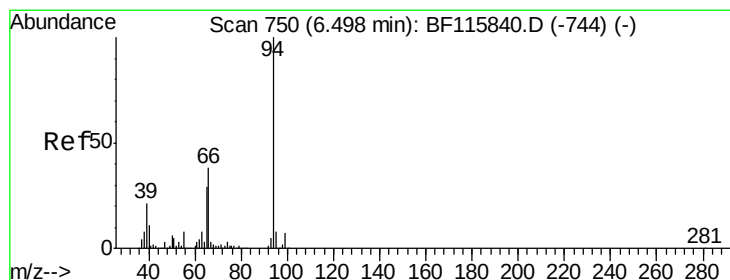
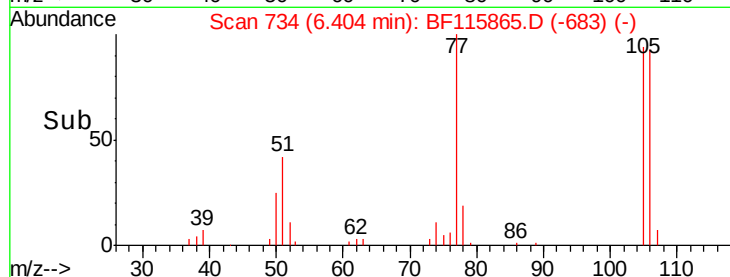
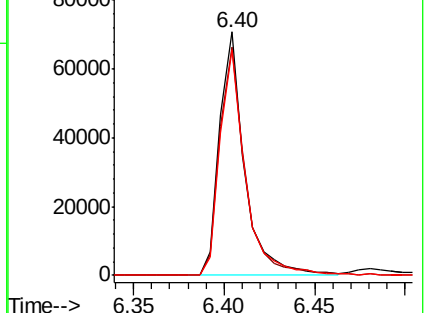
106 92.9 76.2 116.2



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: 8.415 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

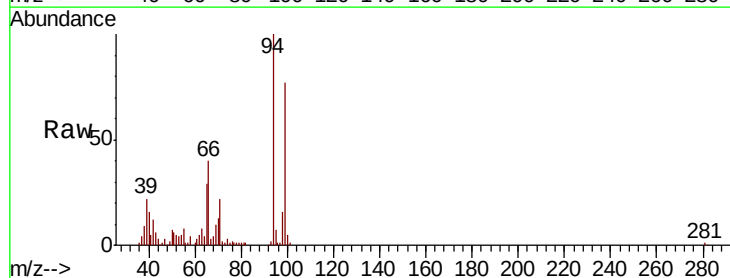
Tgt Ion: 94 Resp: 105180

Ion Ratio Lower Upper

94 100

65 28.9 8.9 48.9

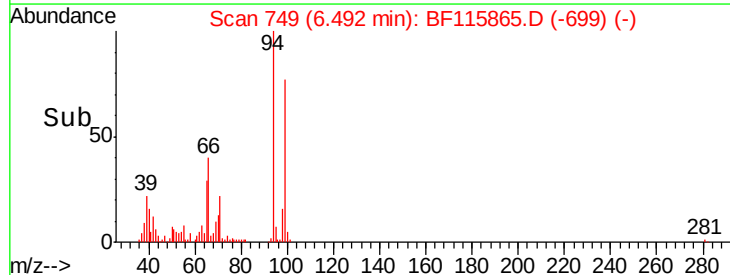
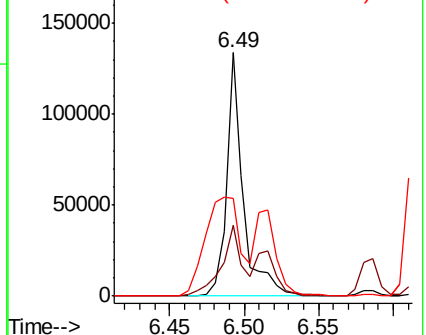
66 40.1 18.0 58.0

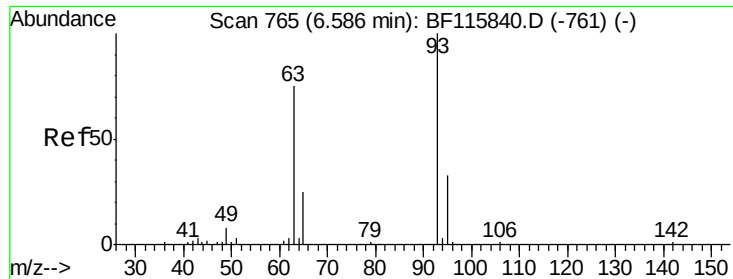


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

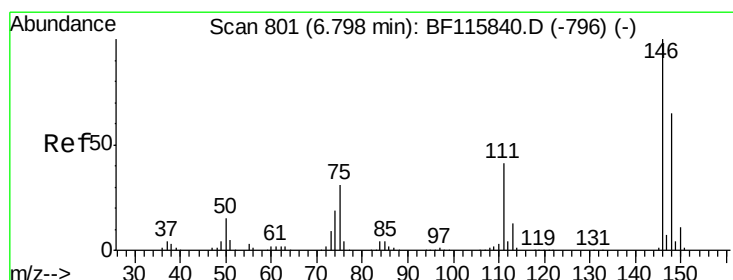
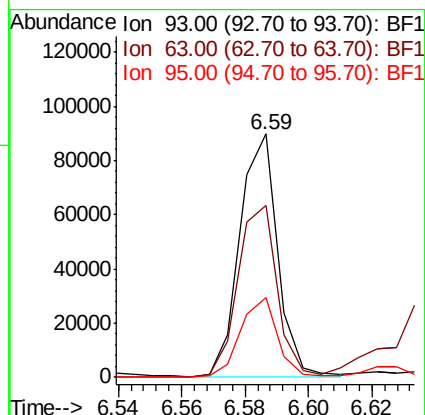
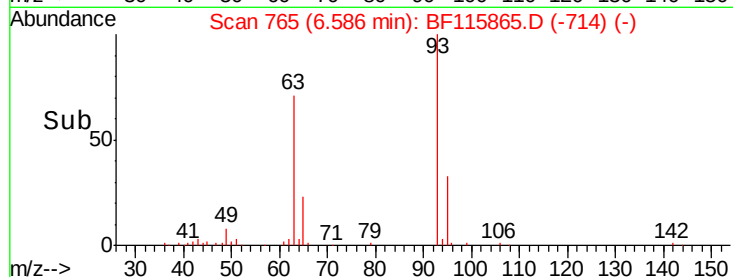
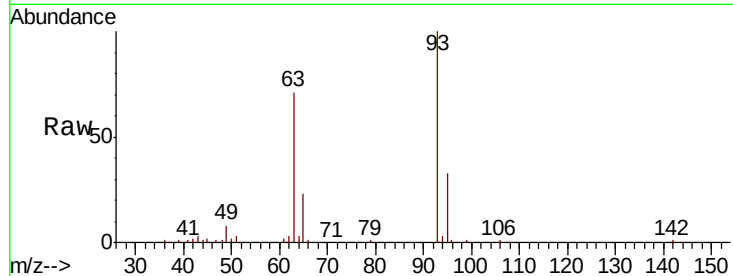




#11
 bis(2-Chloroethyl)ether
 Concen: 8.028 ng
 RT: 6.59 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

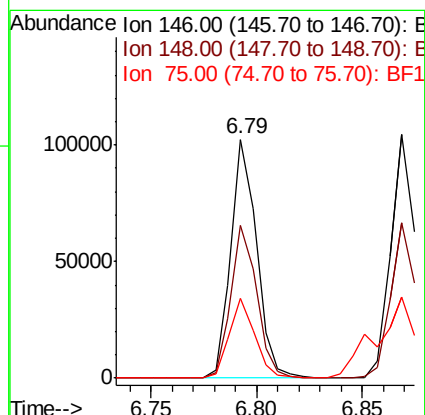
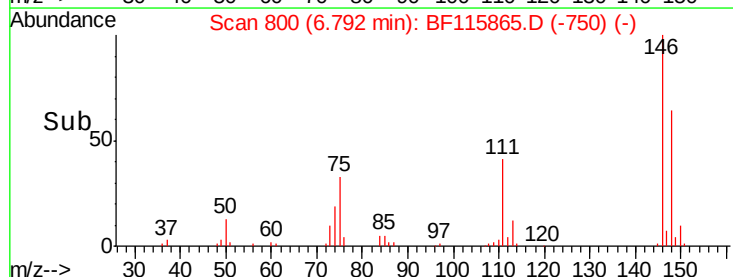
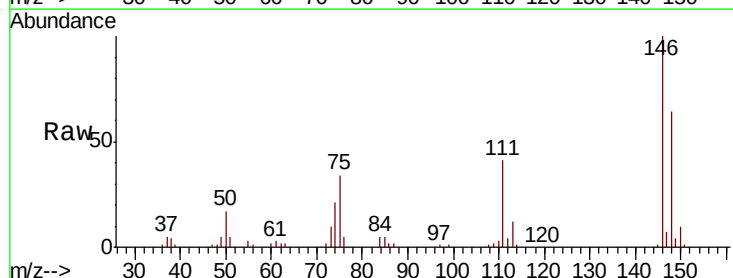
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

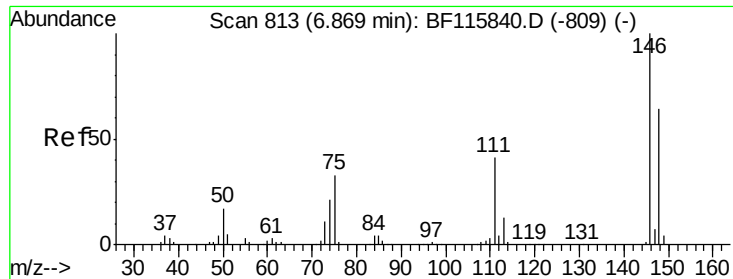
Tgt Ion: 93 Resp: 73776
 Ion Ratio Lower Upper
 93 100
 63 70.8 54.9 94.9
 95 32.9 13.3 53.3



#12
 1,3-Dichlorobenzene
 Concen: 8.073 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion: 146 Resp: 86792
 Ion Ratio Lower Upper
 146 100
 148 63.8 52.1 78.1
 75 33.5 25.0 37.6

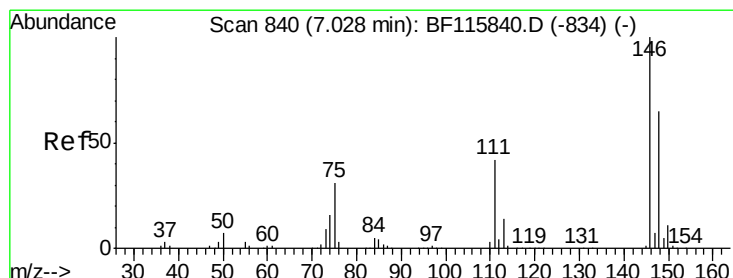
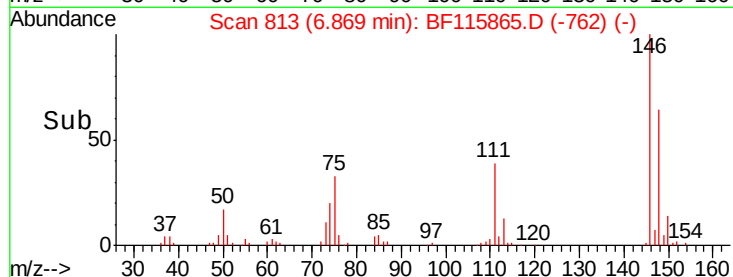
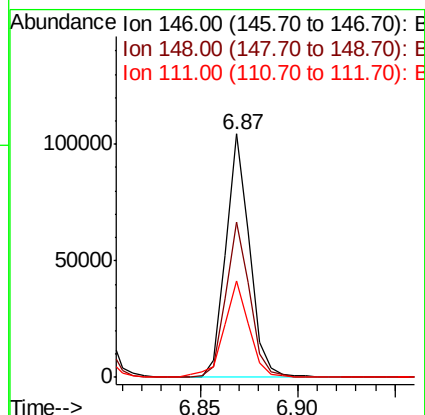
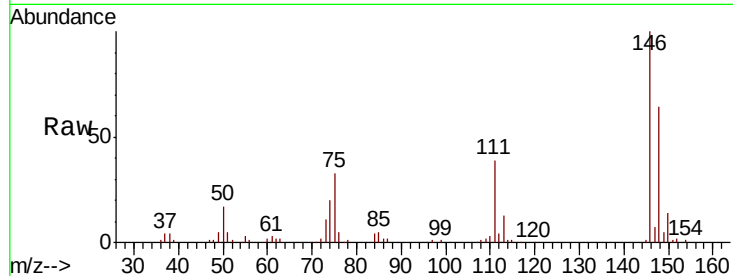




#13
 1,4-Dichlorobenzene
 Concen: 8.165 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

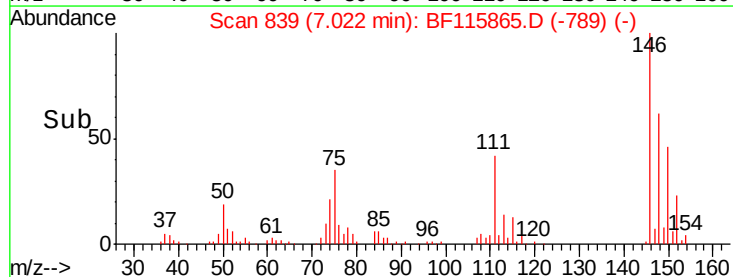
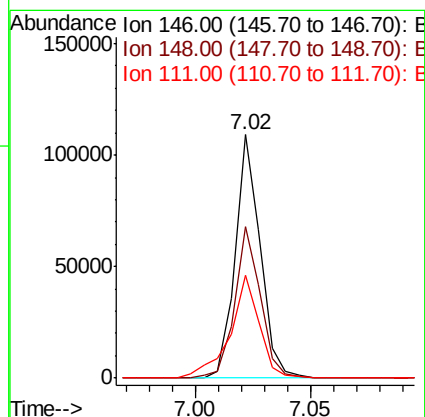
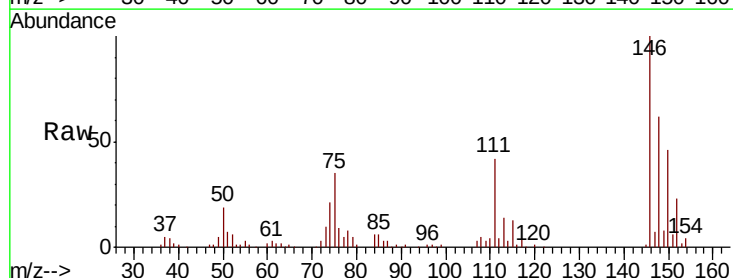
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

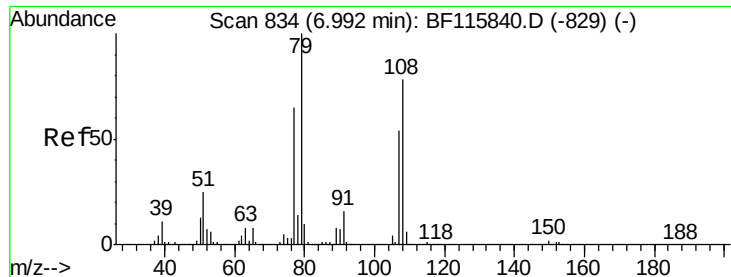
Tgt Ion:146 Resp: 87897
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.2 76.8
 111 39.4 33.2 49.8



#14
 1,2-Dichlorobenzene
 Concen: 8.306 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion:146 Resp: 82328
 Ion Ratio Lower Upper
 146 100
 148 62.2 51.6 77.4
 111 42.5 33.6 50.4





#15

Benzyl Alcohol

Concen: 8.773 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

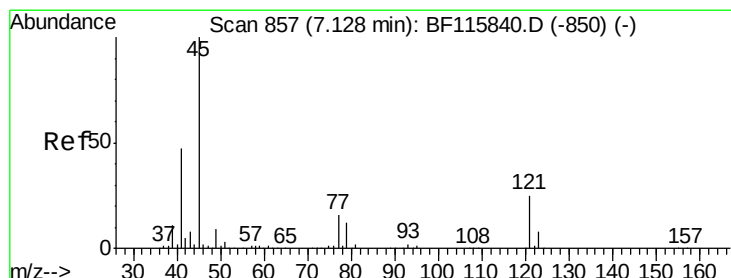
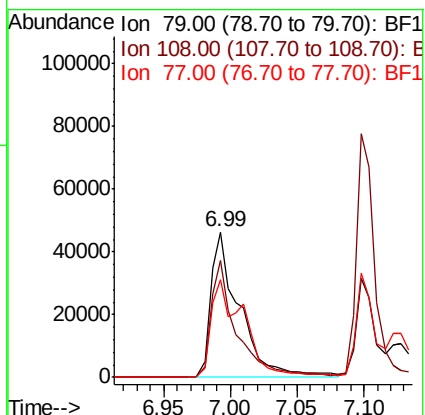
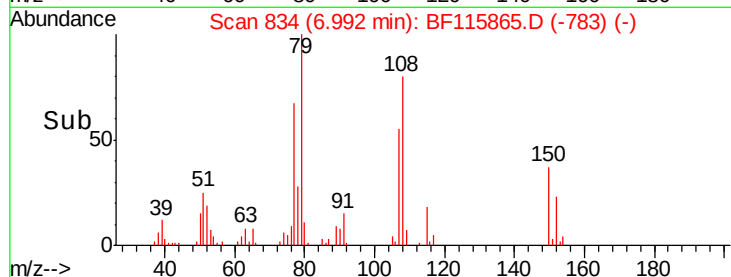
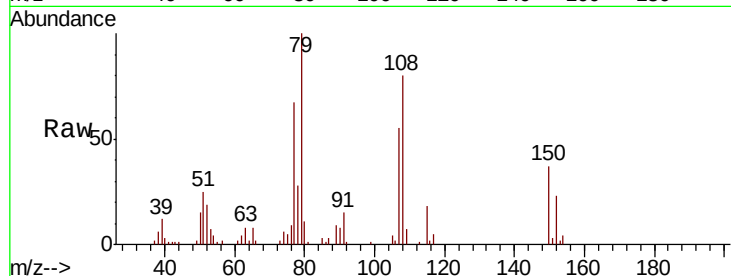
Tgt Ion: 79 Resp: 70668

Ion Ratio Lower Upper

79 100

108 80.5 62.8 94.2

77 67.4 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.835 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

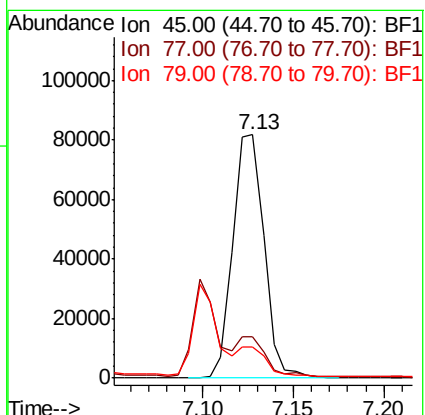
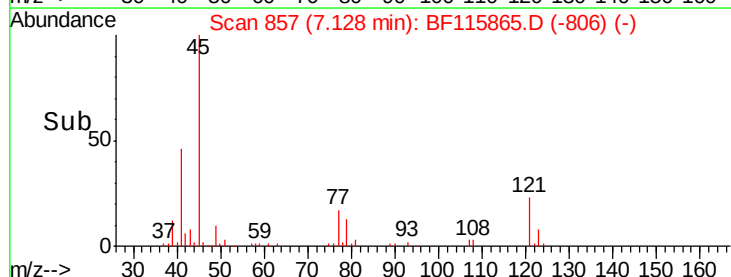
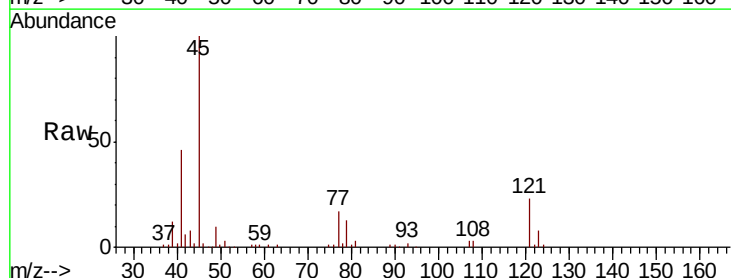
Tgt Ion: 45 Resp: 98212

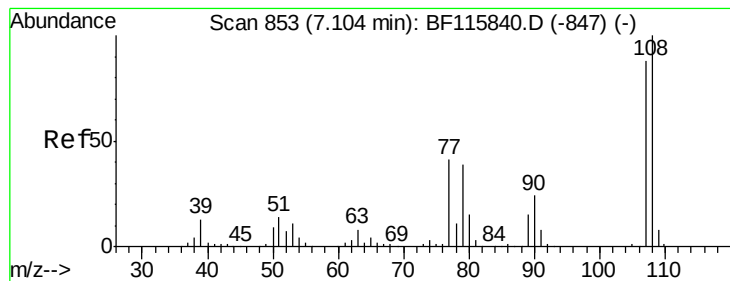
Ion Ratio Lower Upper

45 100

77 17.0 0.0 36.3

79 13.0 0.0 32.5





#17

2-Methylphenol

Concen: 8.068 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:107 Resp: 63553

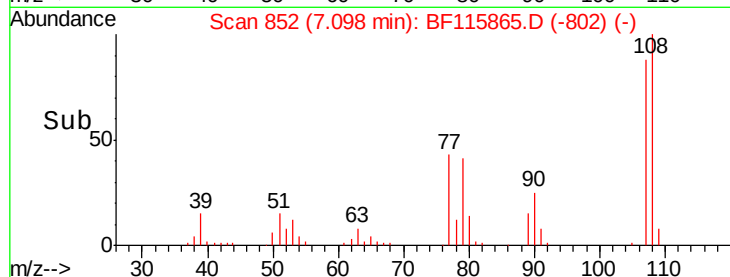
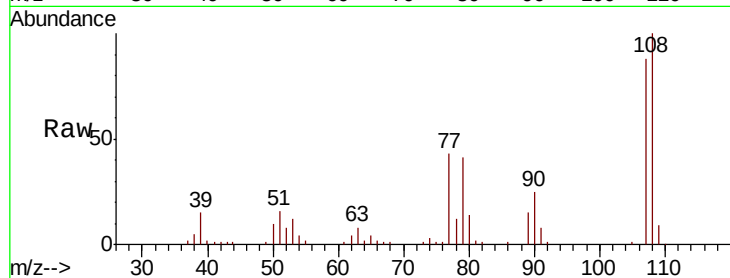
Ion Ratio Lower Upper

107 100

108 113.9 91.4 137.0

77 48.9 37.6 56.4

79 46.4 36.2 54.4



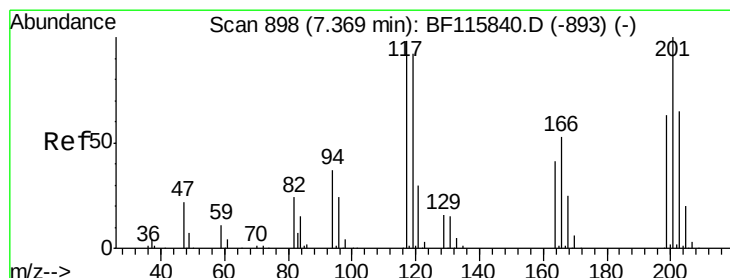
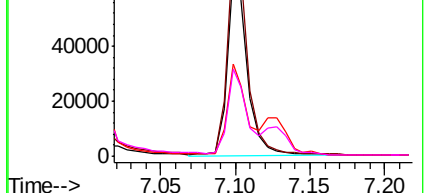
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

Time-->



#18

Hexachloroethane

Concen: 7.611 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

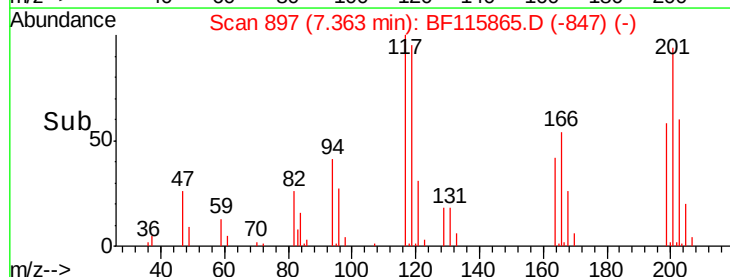
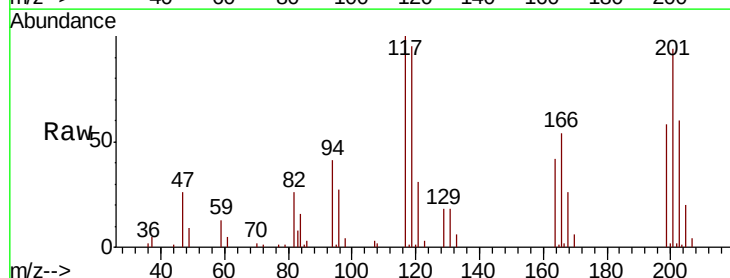
Tgt Ion:117 Resp: 30167

Ion Ratio Lower Upper

117 100

119 95.2 75.8 113.6

201 93.5 82.0 123.0

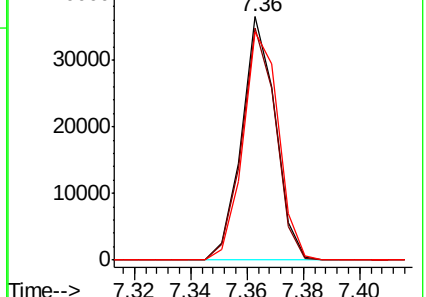


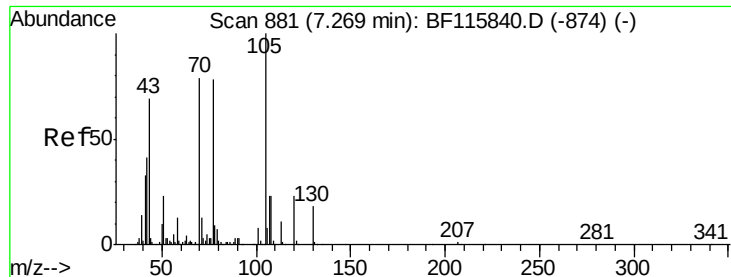
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

Time-->

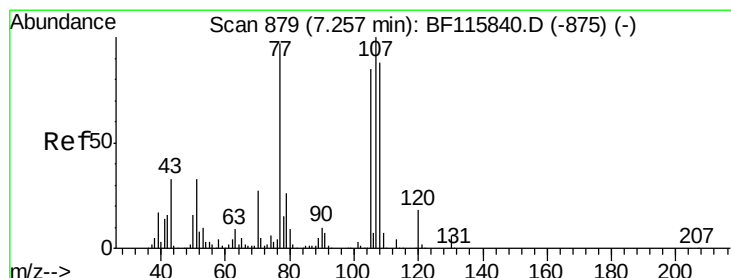
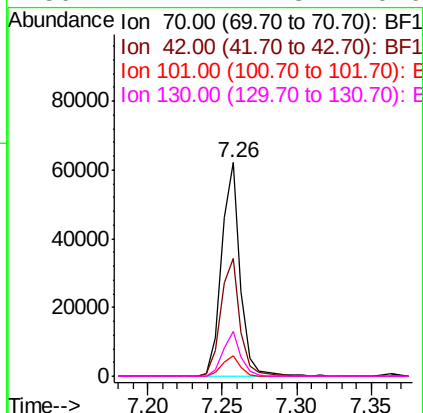
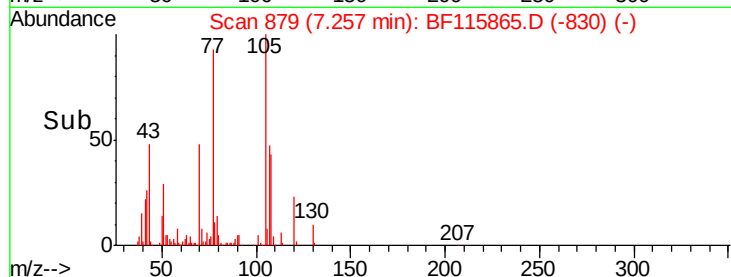
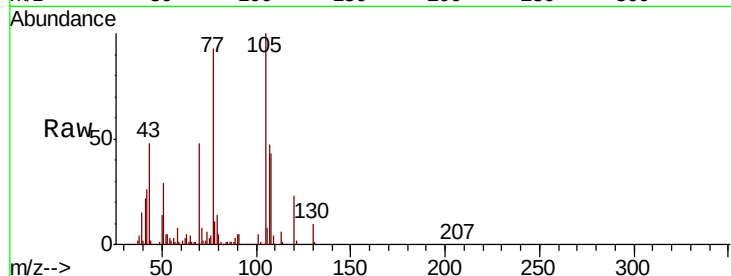




#19
n-Nitroso-di-n-propylamine
Concen: 8.329 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

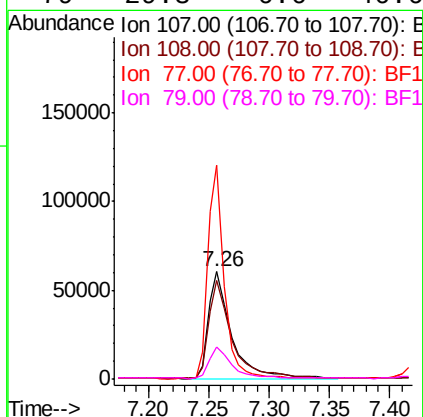
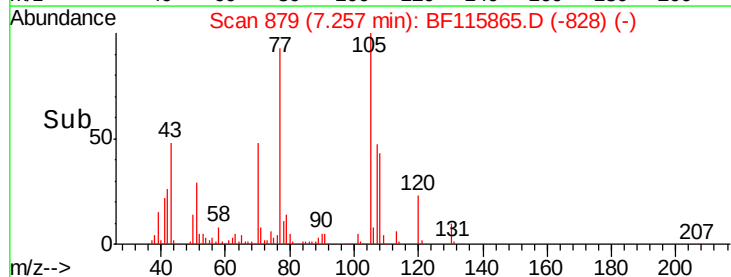
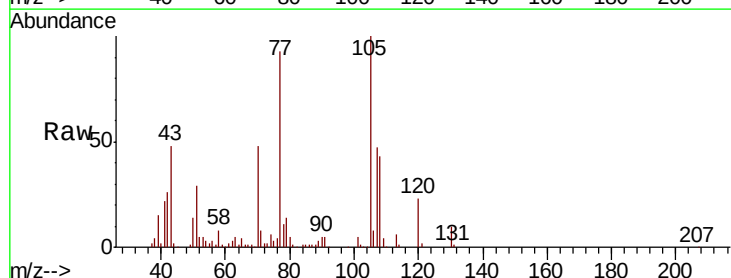
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

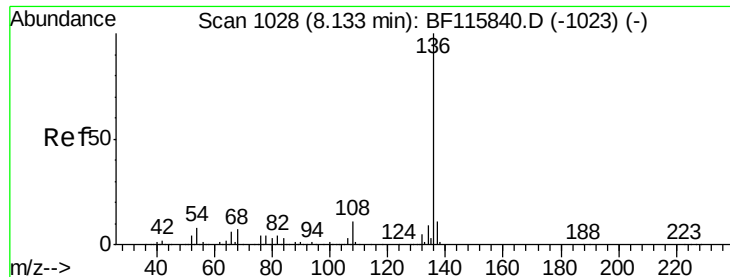
Tgt Ion: 70 Resp: 54783
Ion Ratio Lower Upper
70 100
42 55.1 41.8 62.8
101 9.6 7.7 11.5
130 21.2 17.8 26.6



#20
3+4-Methylphenols
Concen: 8.773 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion: 107 Resp: 81782
Ion Ratio Lower Upper
107 100
108 92.1 67.9 107.9
77 198.8 77.3 117.3#
79 29.3 6.6 46.6

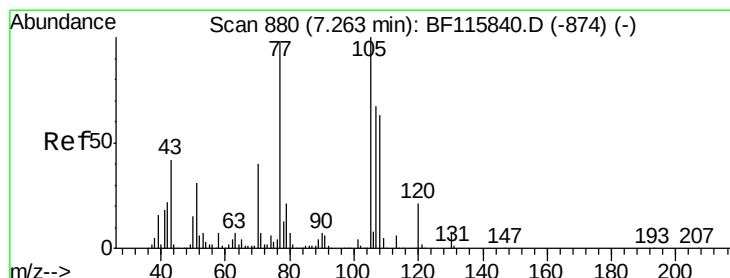
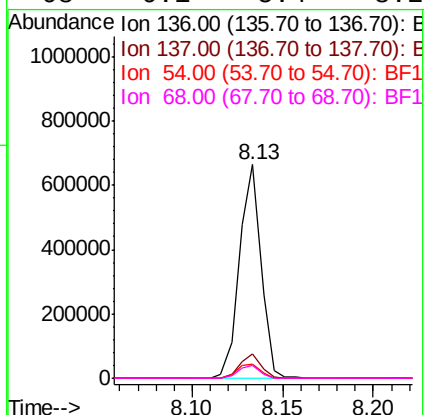
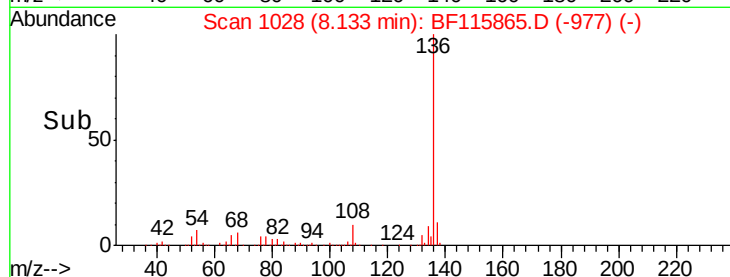
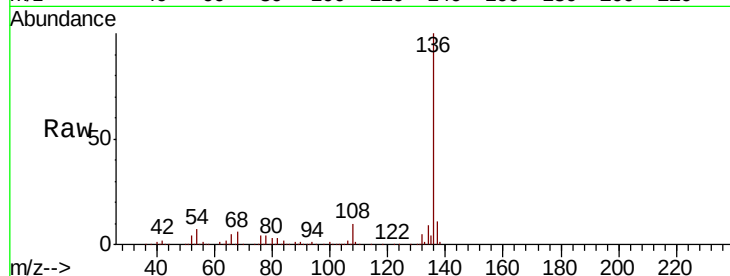




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

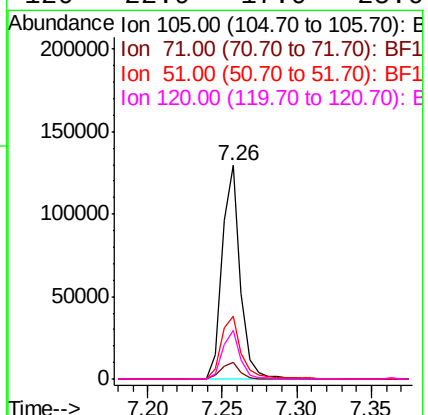
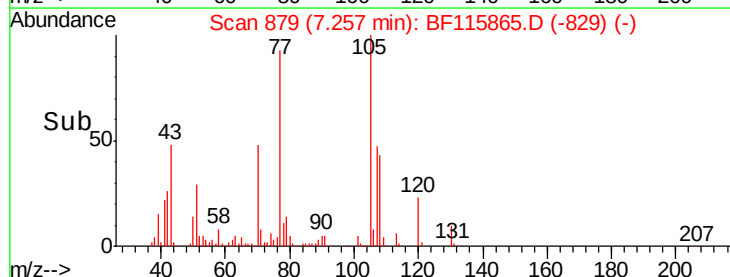
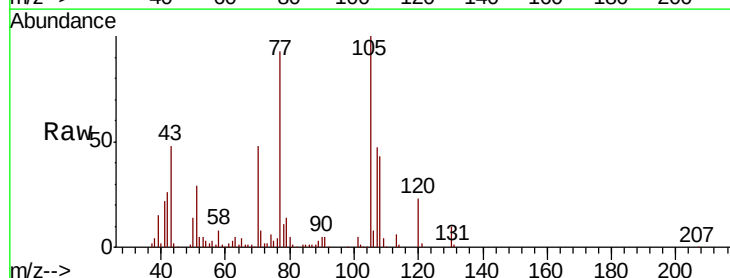
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

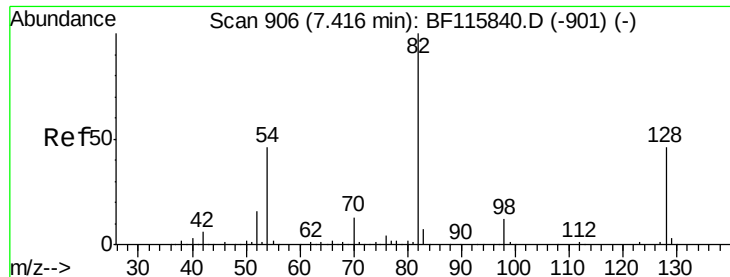
Tgt Ion:	136	Resp:	550377
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.9	6.1	9.1
68	6.1	5.4	8.2



#22
Acetophenone
Concen: 9.191 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion:	105	Resp:	110938
Ion	Ratio	Lower	Upper
105	100		
71	7.8	5.4	8.0
51	29.1	24.6	36.8
120	22.9	17.0	25.6

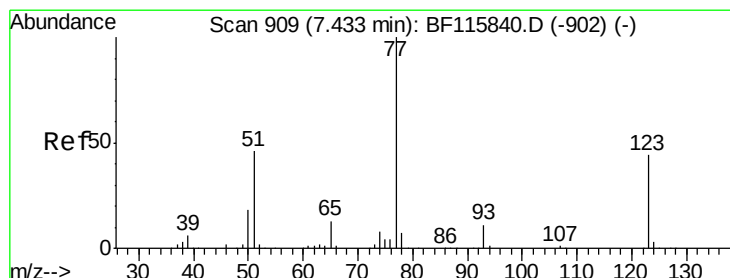
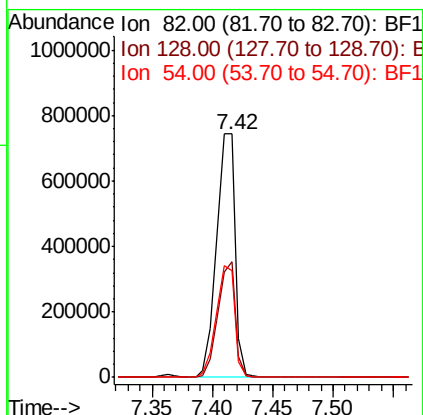
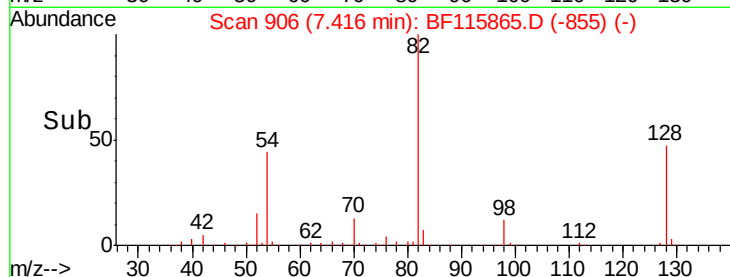
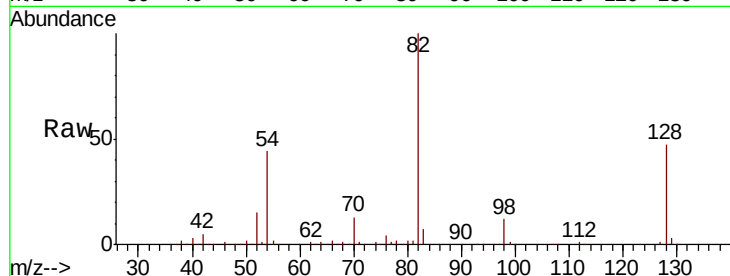




#23
 Nitrobenzene-d5
 Concen: 82.272 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

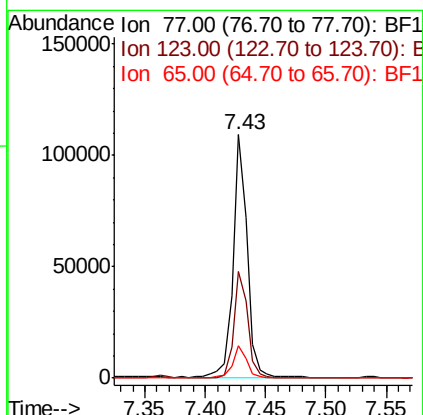
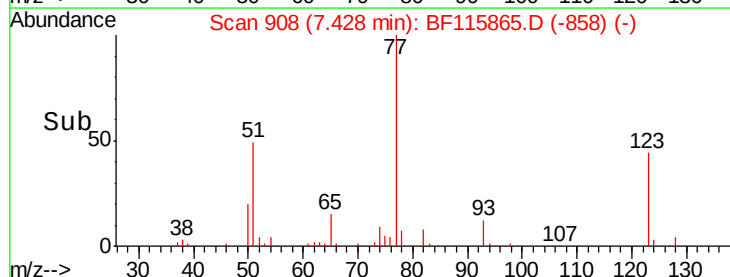
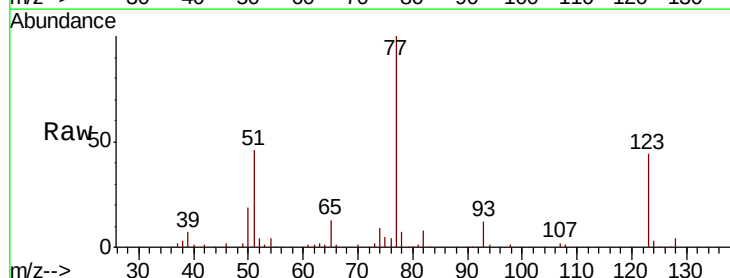
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

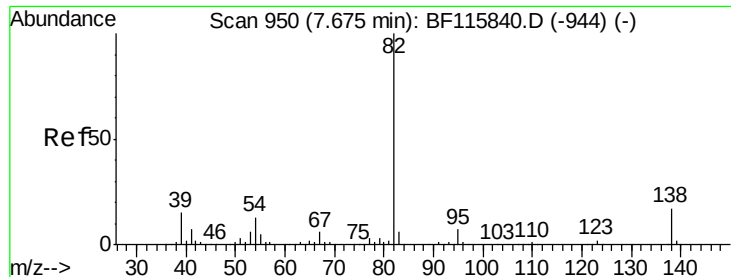
Tgt Ion: 82 Resp: 784446
 Ion Ratio Lower Upper
 82 100
 128 47.3 36.6 55.0
 54 44.0 36.6 55.0



#24
 Nitrobenzene
 Concen: 8.777 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion: 77 Resp: 90366
 Ion Ratio Lower Upper
 77 100
 123 44.0 35.5 53.3
 65 13.4 10.6 15.8





#25

Isophorone

Concen: 8.259 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

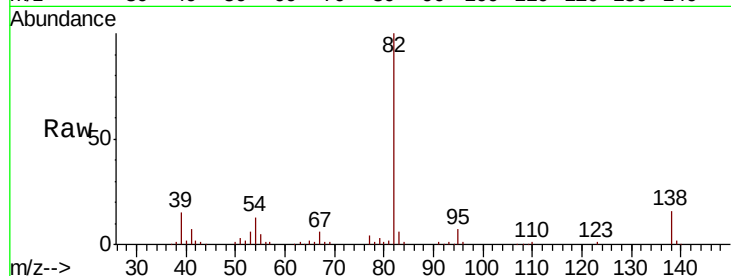
Tgt Ion: 82 Resp: 150583

Ion Ratio Lower Upper

82 100

95 6.5 5.5 8.3

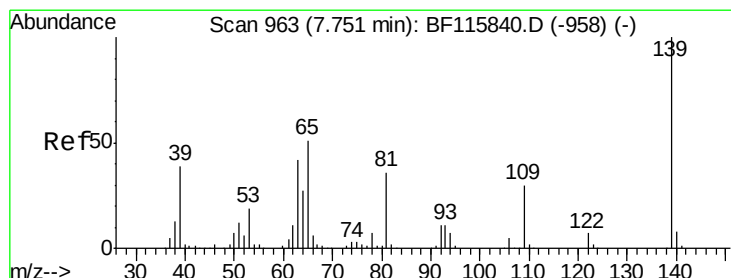
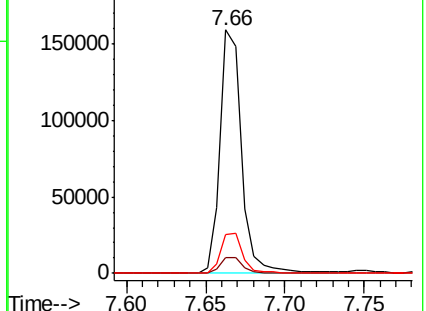
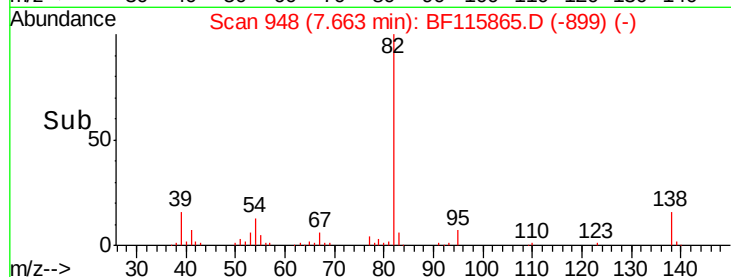
138 15.8 13.9 20.9



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: 7.556 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

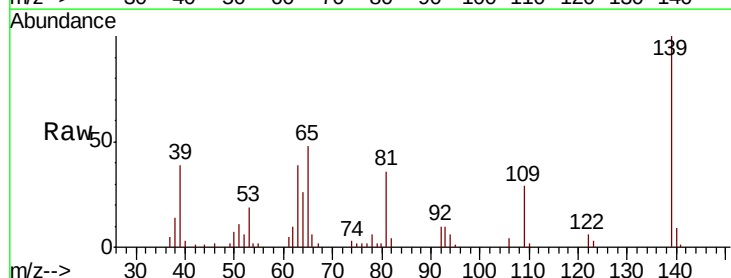
Tgt Ion: 139 Resp: 36670

Ion Ratio Lower Upper

139 100

109 29.0 23.6 35.4

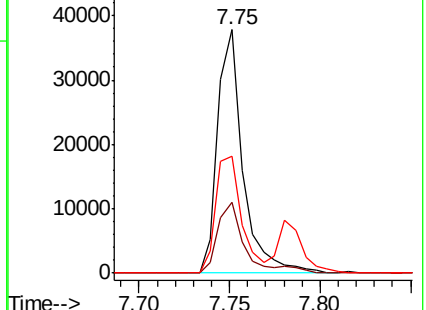
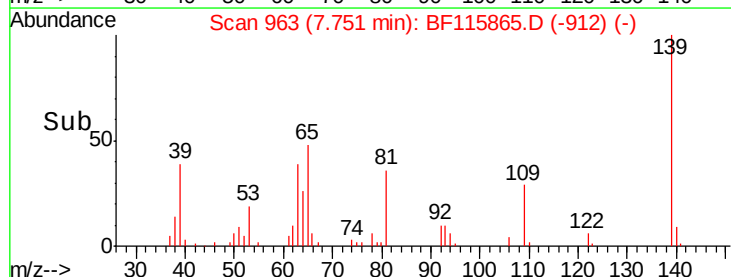
65 48.1 40.6 60.8

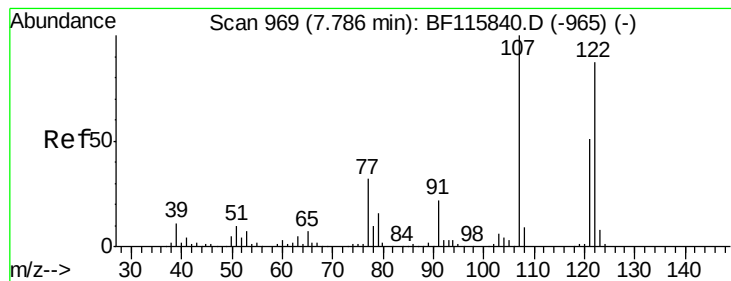


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 8.853 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

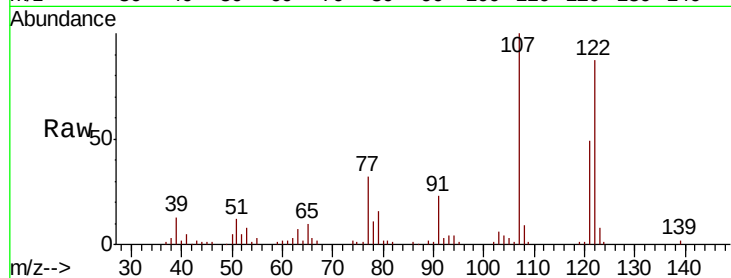
Tgt Ion:122 Resp: 64638

Ion Ratio Lower Upper

122 100

107 114.6 91.7 137.5

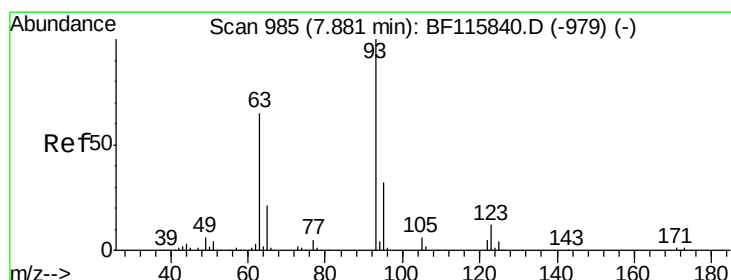
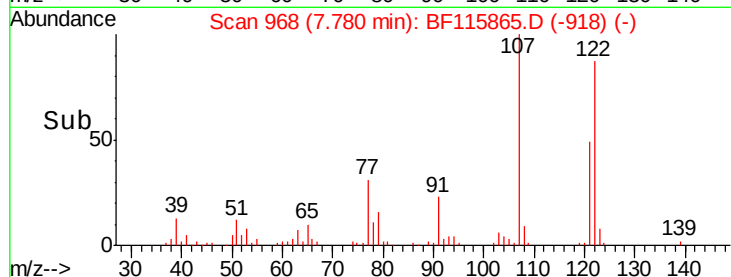
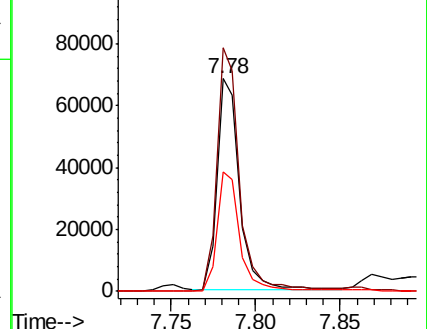
121 56.2 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.956 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

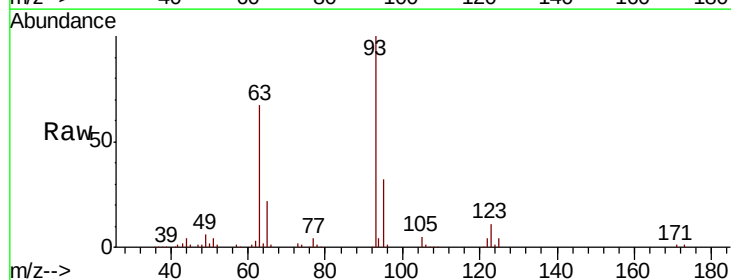
Tgt Ion: 93 Resp: 89908

Ion Ratio Lower Upper

93 100

95 31.9 26.0 39.0

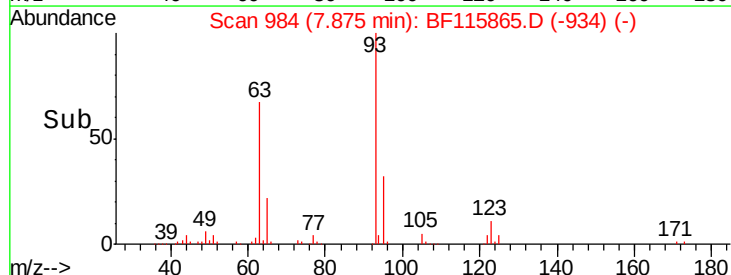
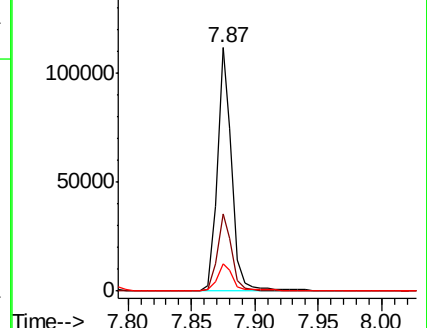
123 11.4 9.5 14.3

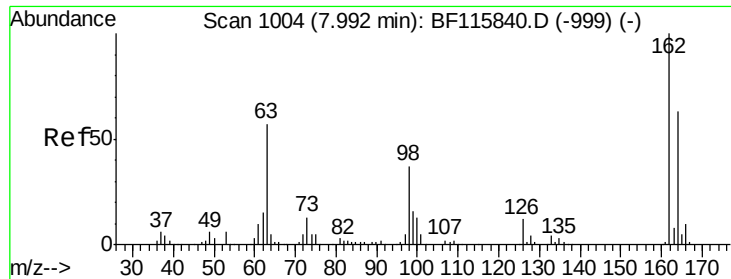


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

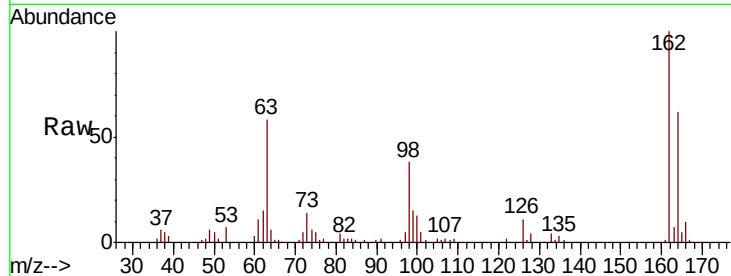




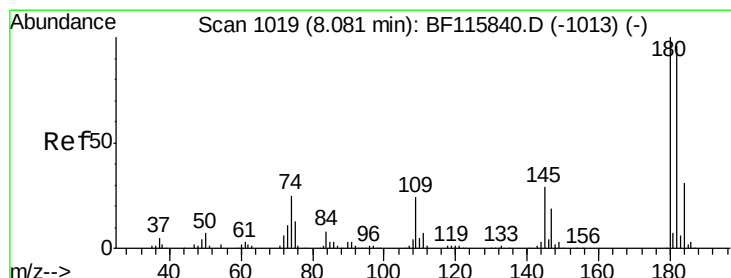
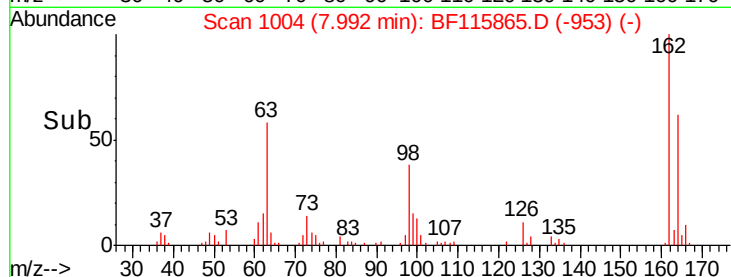
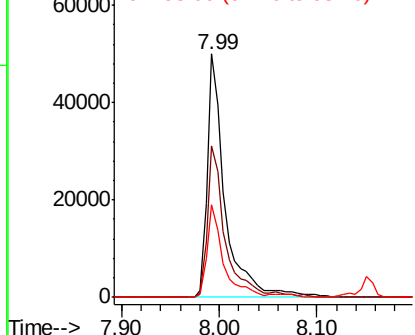
#29
2,4-Dichlorophenol
Concen: 8.214 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:162 Resp: 63322
Ion Ratio Lower Upper
162 100
164 62.1 43.2 83.2
98 38.1 17.3 57.3

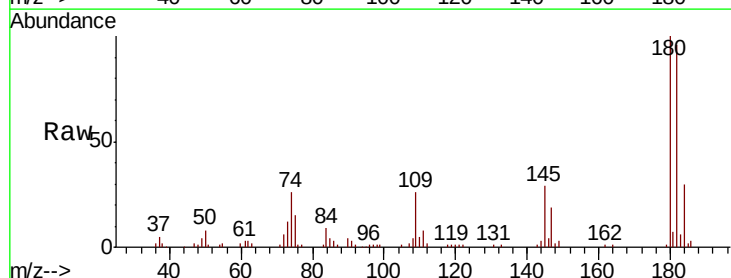


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

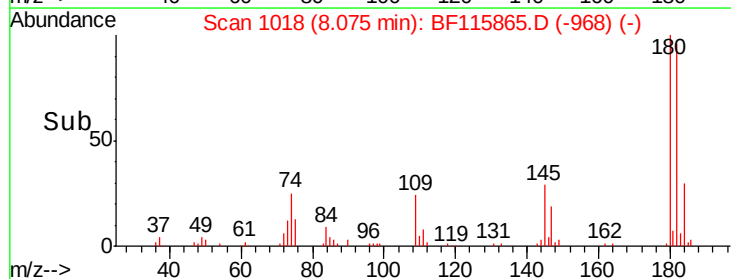
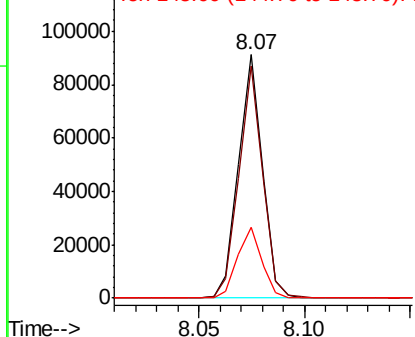


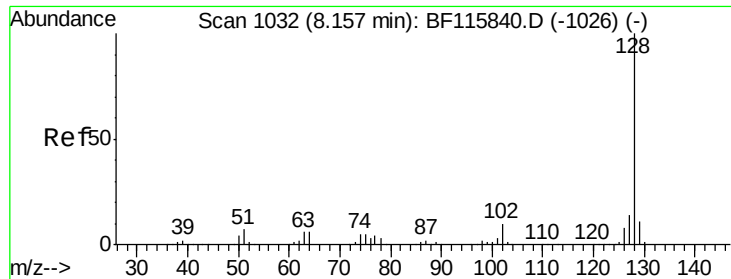
#30
1,2,4-Trichlorobenzene
Concen: 8.104 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion:180 Resp: 71213
Ion Ratio Lower Upper
180 100
182 95.5 76.6 114.8
145 29.1 23.2 34.8



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

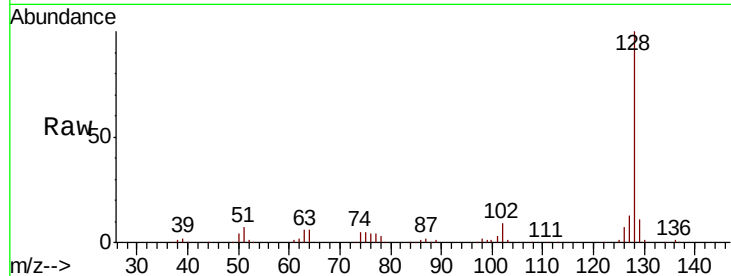




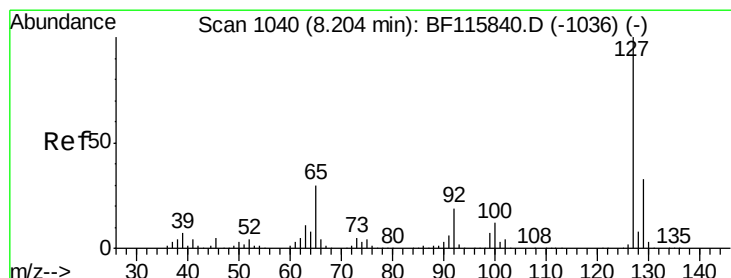
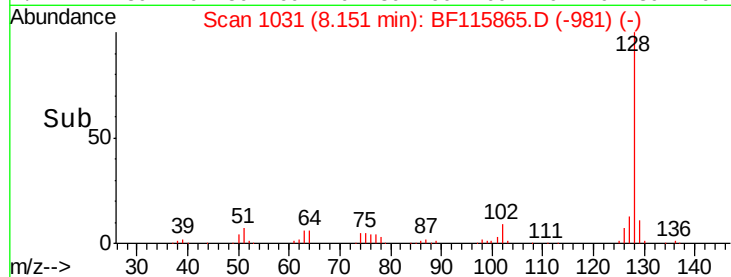
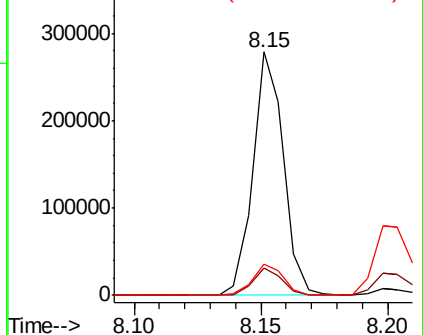
#31
Naphthalene
Concen: 9.007 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:128 Resp: 233285
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 12.8 11.0 16.4



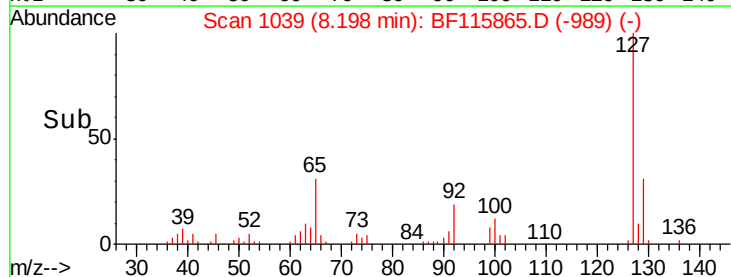
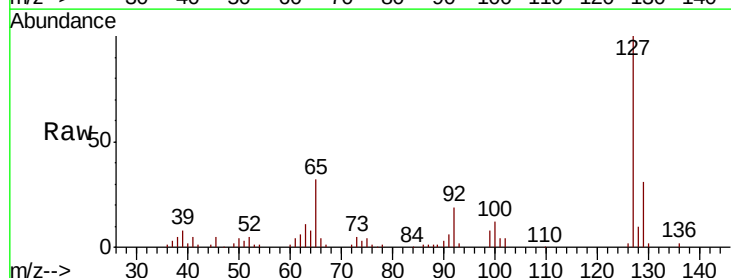
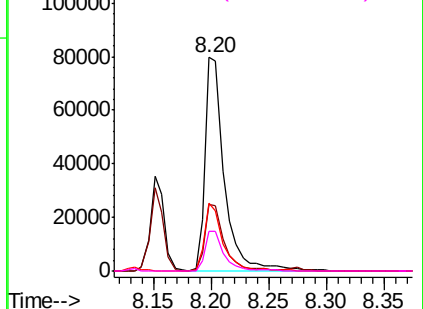
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

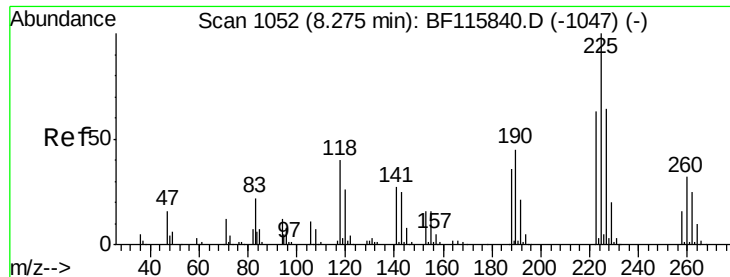


#33
4-Chloroaniline
Concen: 8.141 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion:127 Resp: 94207
Ion Ratio Lower Upper
127 100
129 31.4 26.0 39.0
65 31.6 23.9 35.9
92 18.7 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

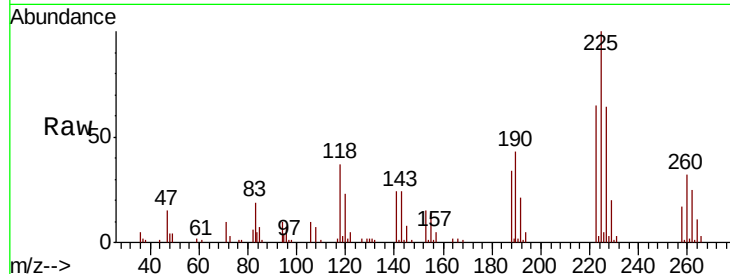




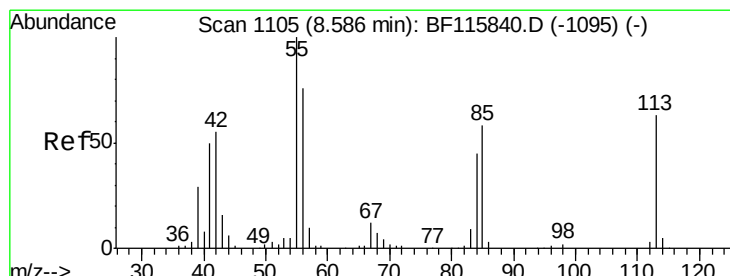
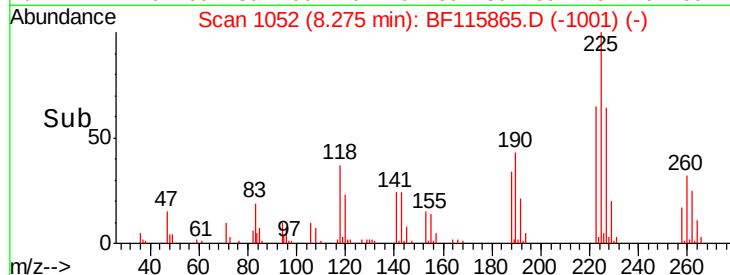
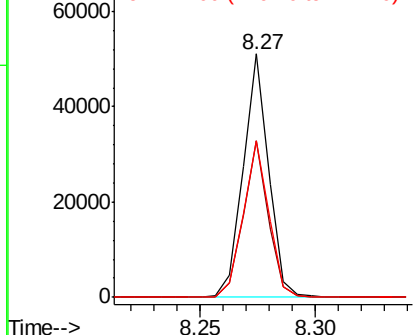
#34
Hexachlorobutadiene
Concen: 7.806 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion: 225 Resp: 39514
Ion Ratio Lower Upper
225 100
223 64.5 50.4 75.6
227 64.2 51.6 77.4

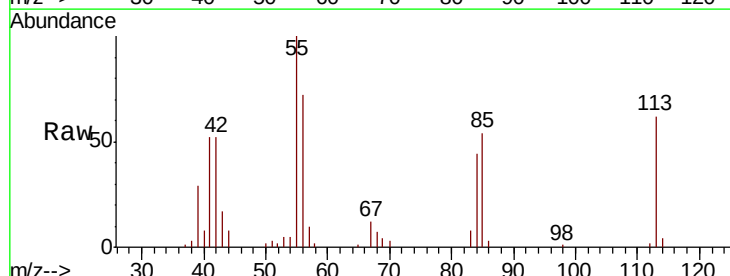


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

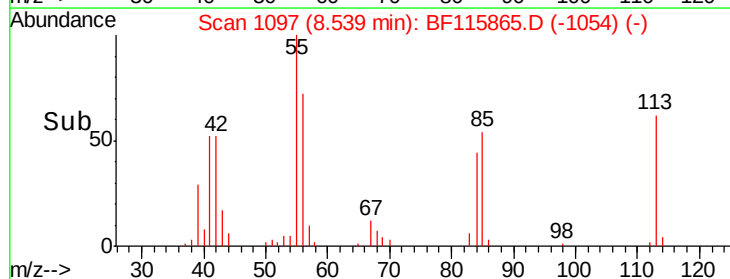
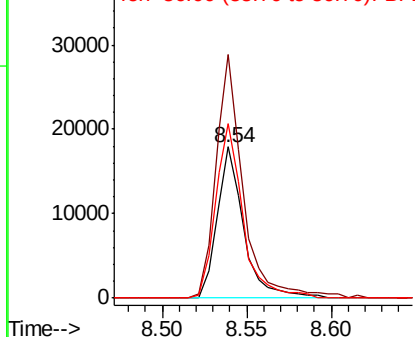


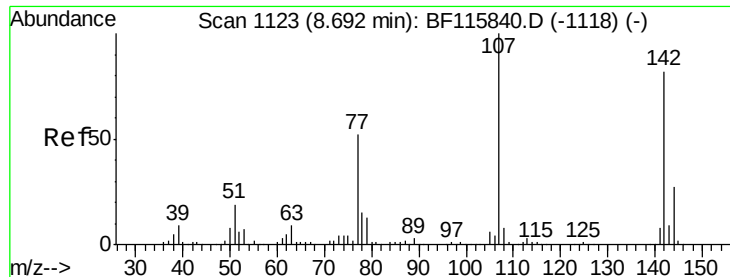
#35
Caprolactam
Concen: 7.862 ng
RT: 8.54 min Scan# 1097
Delta R.T. -0.05 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion: 113 Resp: 19603
Ion Ratio Lower Upper
113 100
55 160.9 138.1 178.1
56 115.2 100.6 140.6



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

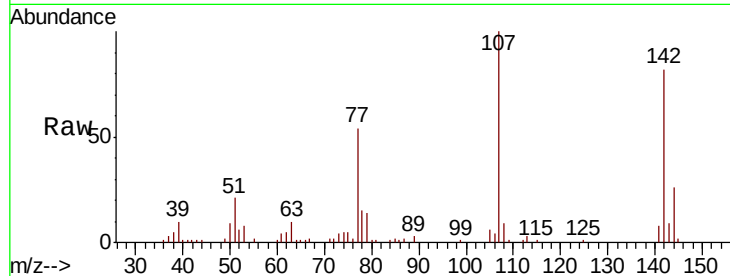




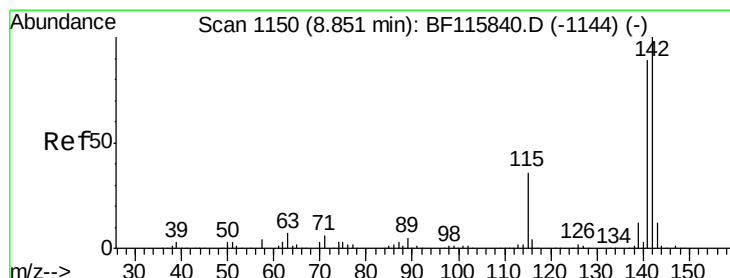
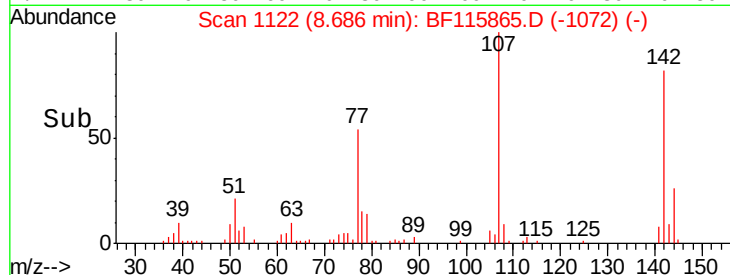
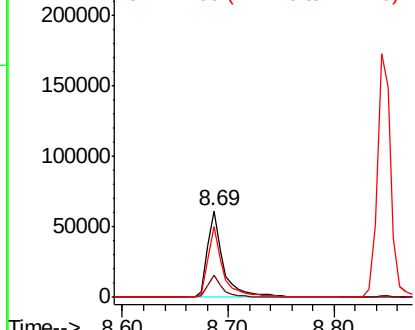
#36
 4-Chloro-3-methylphenol
 Concen: 8.063 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:107 Resp: 64665
 Ion Ratio Lower Upper
 107 100
 144 26.2 21.4 32.0
 142 82.5 65.5 98.3

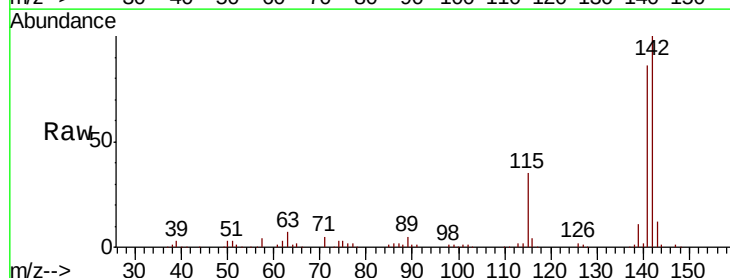


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

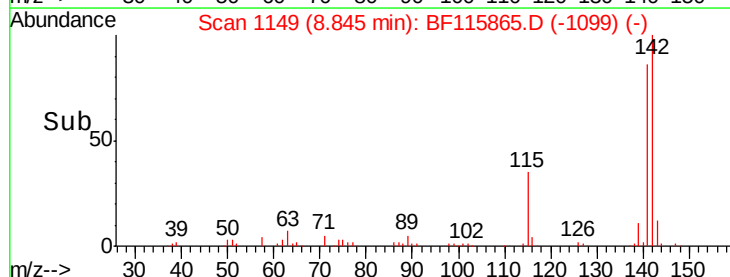
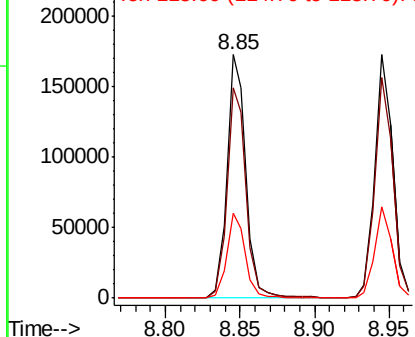


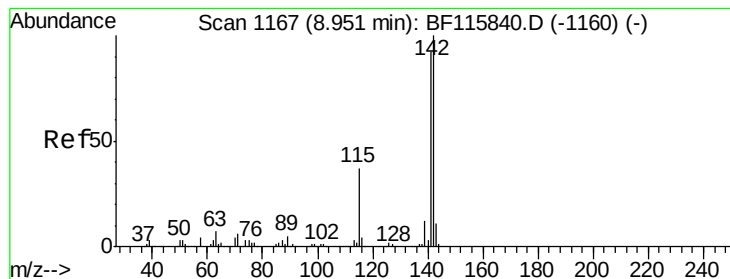
#37
 2-Methylnaphthalene
 Concen: 9.101 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion:142 Resp: 155235
 Ion Ratio Lower Upper
 142 100
 141 86.5 71.4 107.2
 115 34.8 28.9 43.3



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 8.878 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

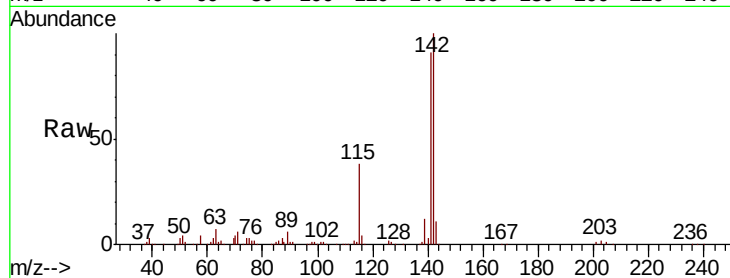
Tgt Ion:142 Resp: 143260

Ion Ratio Lower Upper

142 100

141 90.8 73.8 110.6

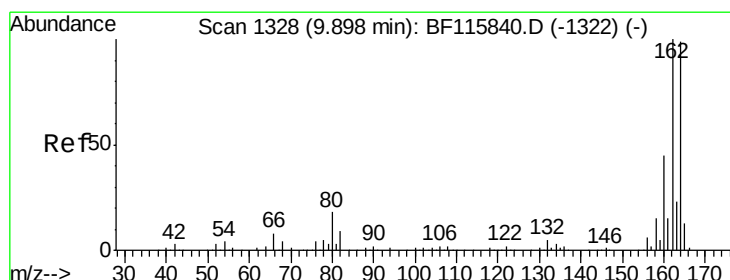
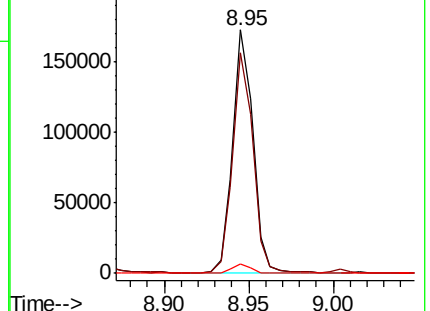
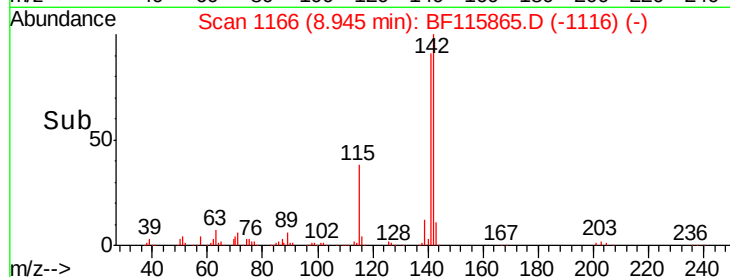
116 3.8 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

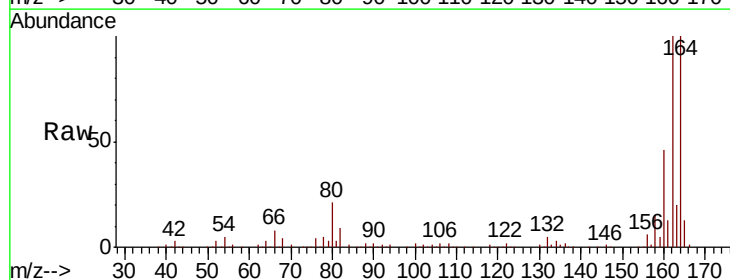
Tgt Ion:164 Resp: 292726

Ion Ratio Lower Upper

164 100

162 100.1 80.8 121.2

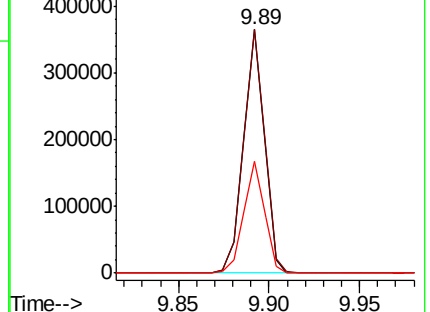
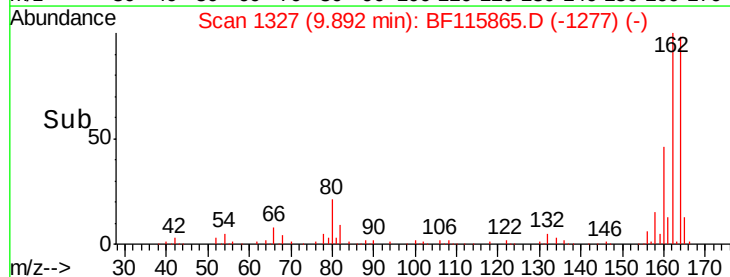
160 46.2 36.2 54.4

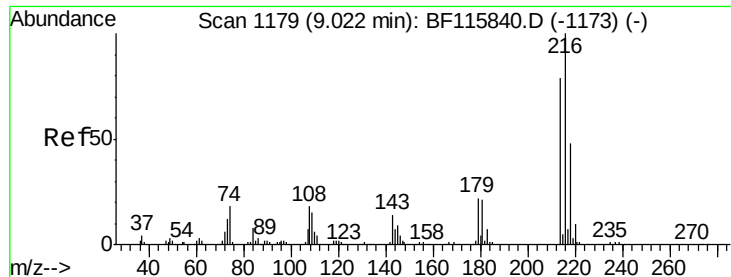


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.496 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:216 Resp: 66489

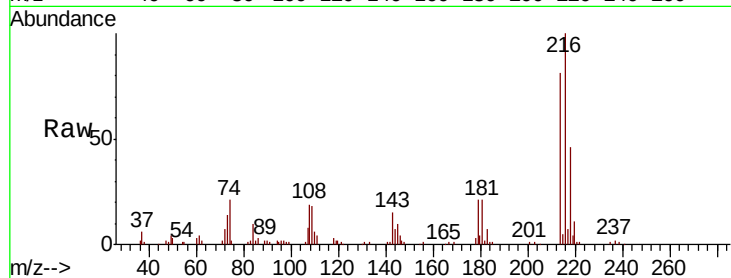
Ion Ratio Lower Upper

216 100

214 80.1 62.8 94.2

179 21.3 17.6 26.4

108 19.8 16.1 24.1

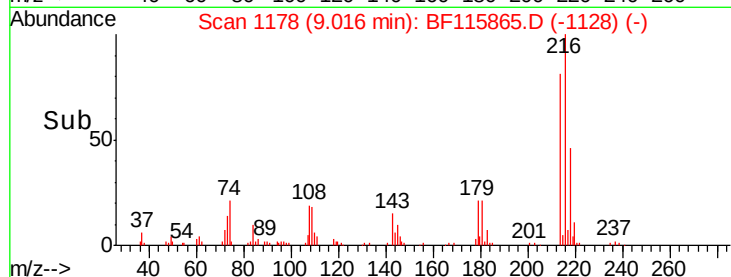


Abundance Ion 216.00 (215.70 to 216.70): E

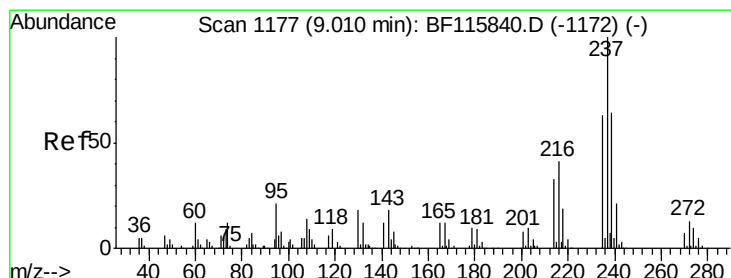
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time--> 8.95 9.00 9.05



#41

Hexachlorocyclopentadiene

Concen: 9.068 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

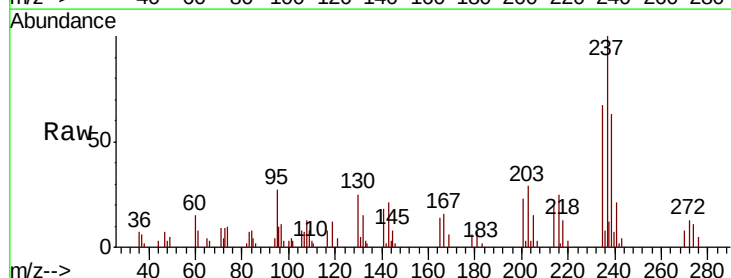
Tgt Ion:237 Resp: 11939

Ion Ratio Lower Upper

237 100

235 66.6 42.5 82.5

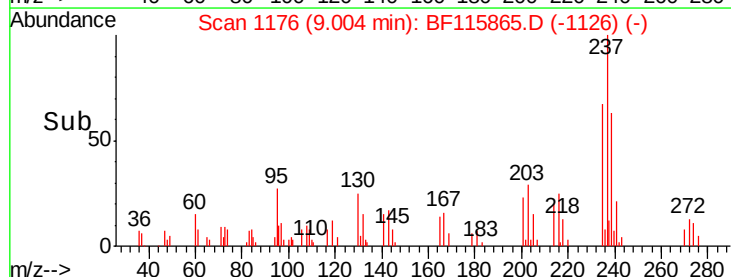
272 13.4 0.0 33.3



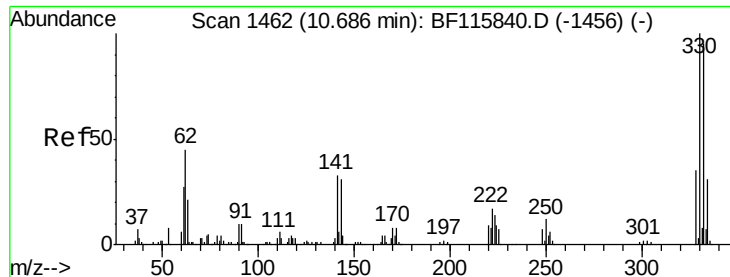
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time--> 8.96 8.98 9.00 9.02 9.04



#42

2,4,6-Tribromophenol

Concen: 98.645 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

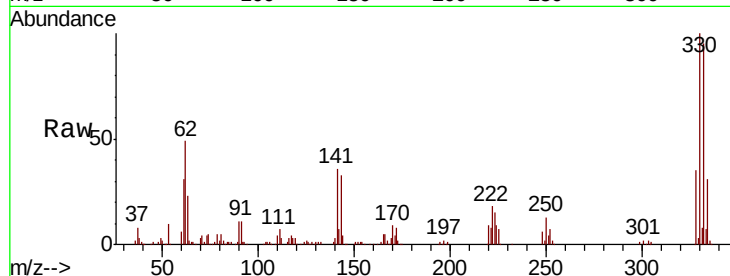
Tgt Ion:330 Resp: 279961

Ion Ratio Lower Upper

330 100

332 96.3 77.7 116.5

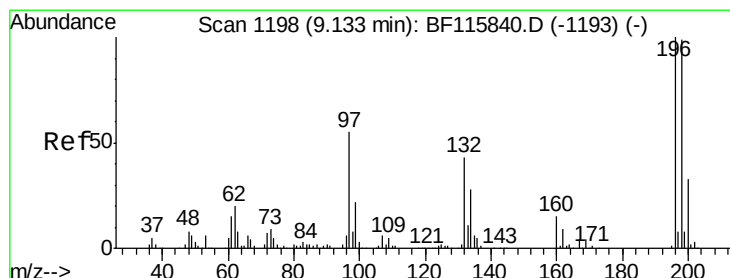
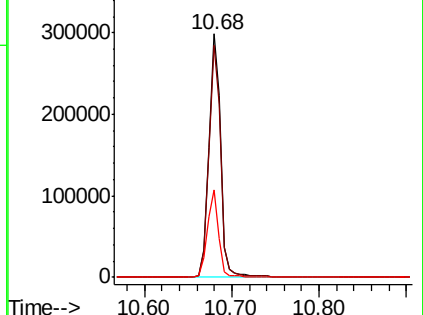
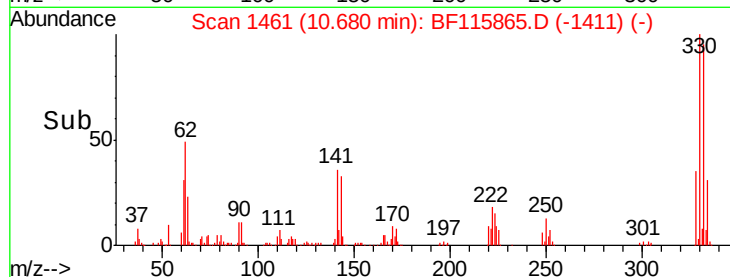
141 34.4 28.1 42.1



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: 6.989 ng

RT: 9.13 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

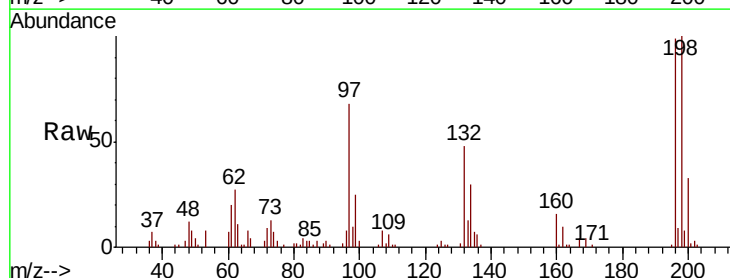
Tgt Ion:196 Resp: 37648

Ion Ratio Lower Upper

196 100

198 100.8 79.1 118.7

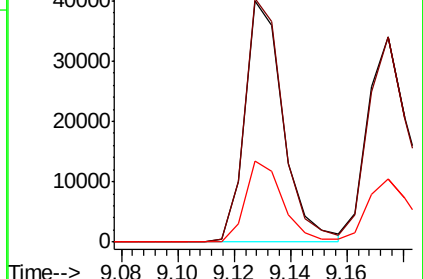
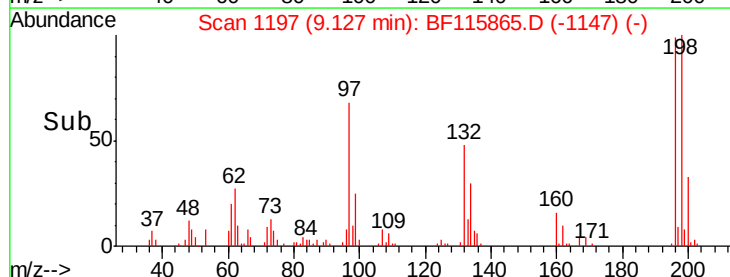
200 33.6 26.0 39.0

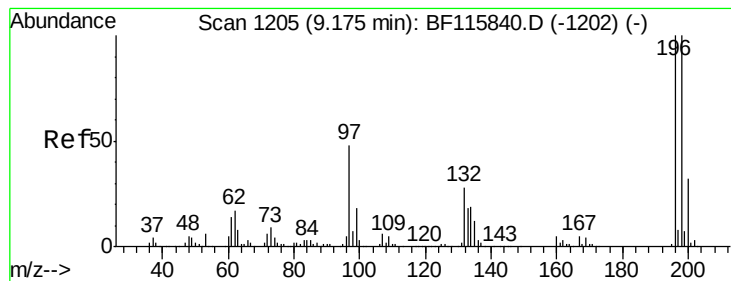


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

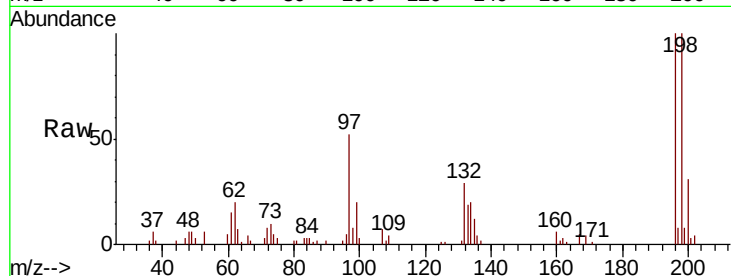




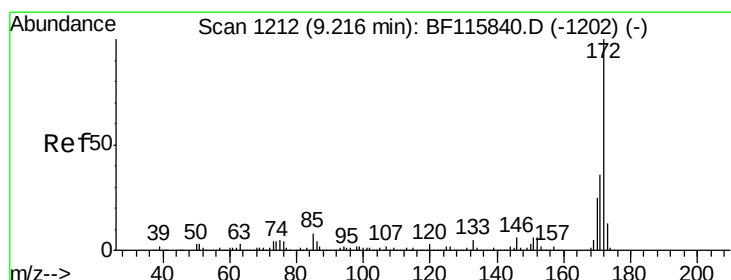
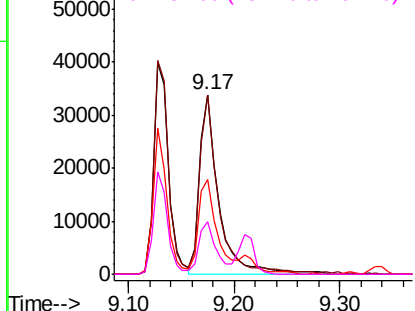
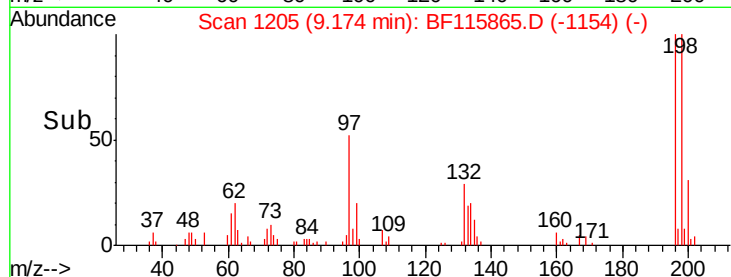
#44
 2,4,5-Trichlorophenol
 Concen: 7.690 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:196 Resp: 42816
 Ion Ratio Lower Upper
 196 100
 198 99.9 80.1 120.1
 97 52.4 38.9 58.3
 132 29.4 22.6 33.8

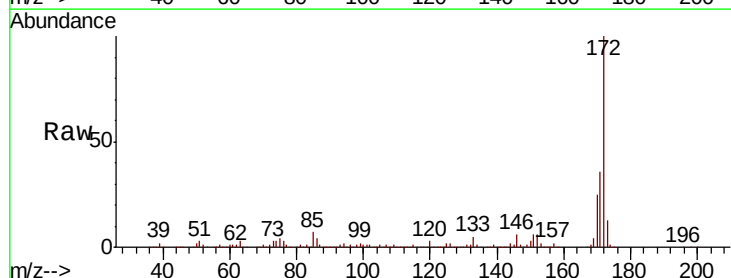


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

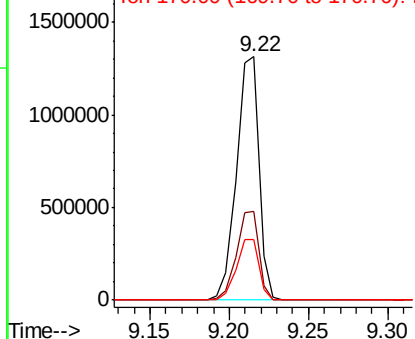
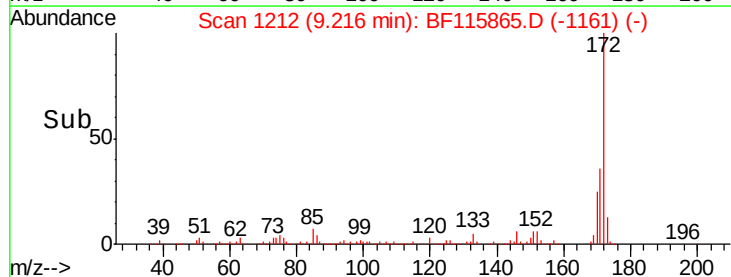


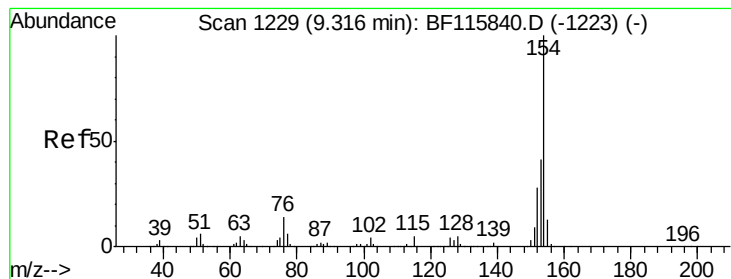
#45
 2-Fluorobiphenyl
 Concen: 82.853 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion:172 Resp: 1294837
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.1 43.7
 170 24.8 20.1 30.1



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





#46

1,1'-Biphenyl

Concen: 9.071 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

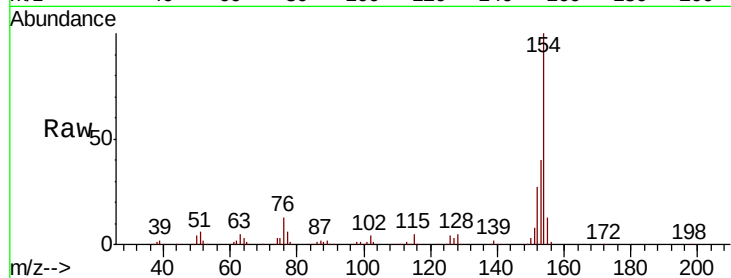
Tgt Ion:154 Resp: 187473

Ion Ratio Lower Upper

154 100

153 40.2 20.9 60.9

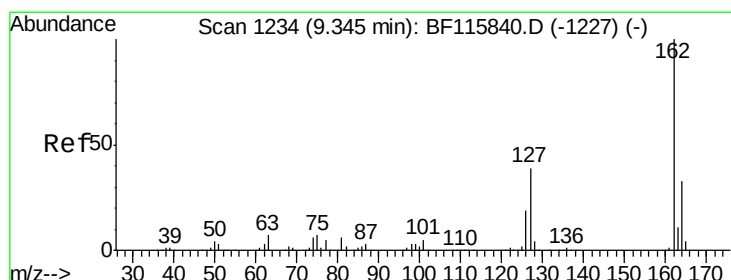
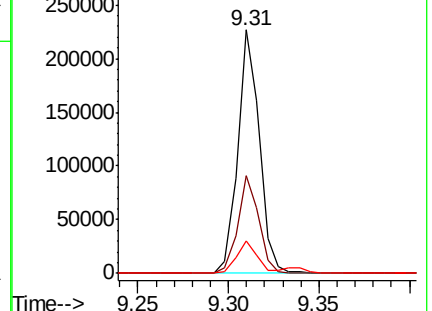
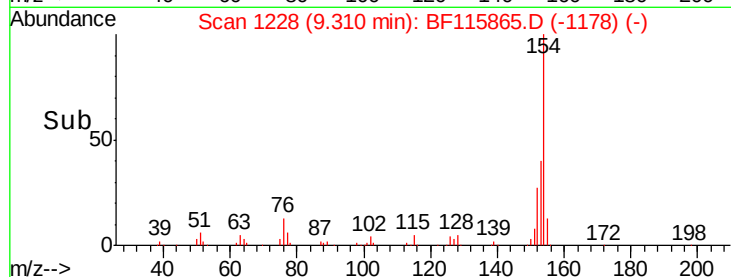
76 13.4 0.0 34.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#47

2-Chloronaphthalene

Concen: 8.291 ng

RT: 9.34 min Scan# 1233

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

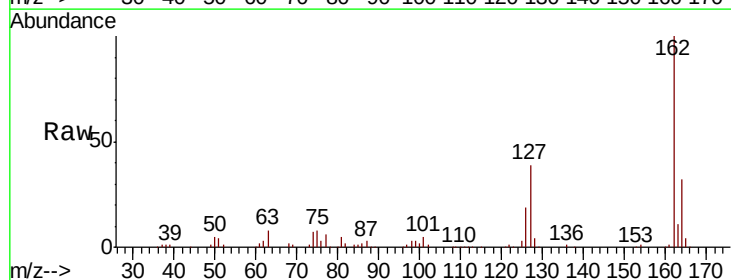
Tgt Ion:162 Resp: 142618

Ion Ratio Lower Upper

162 100

127 39.4 31.3 46.9

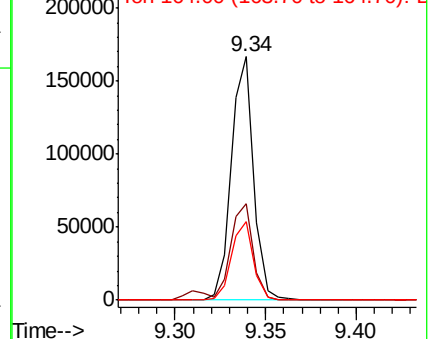
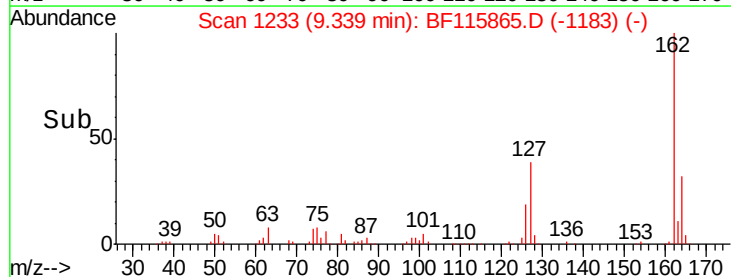
164 32.0 26.6 40.0

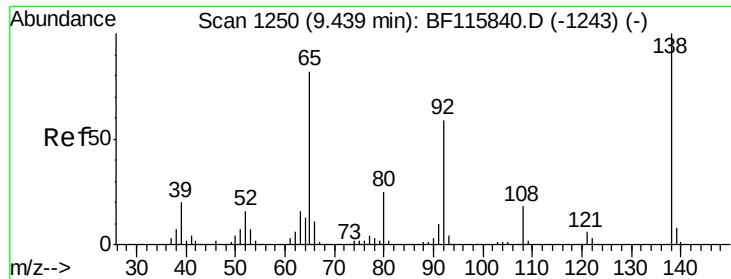


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

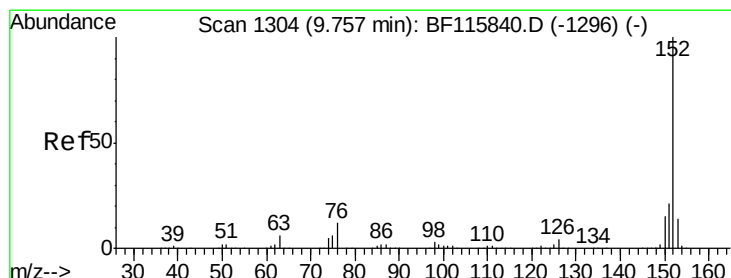
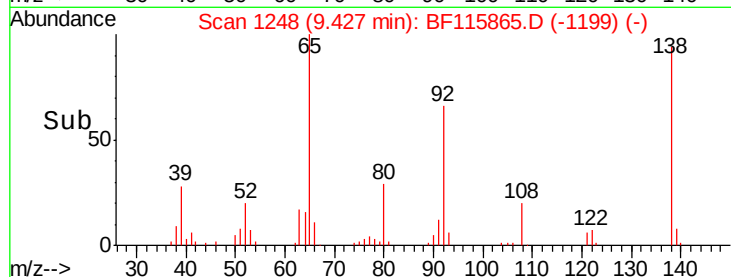
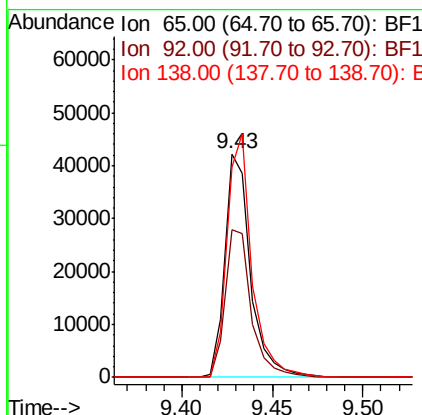
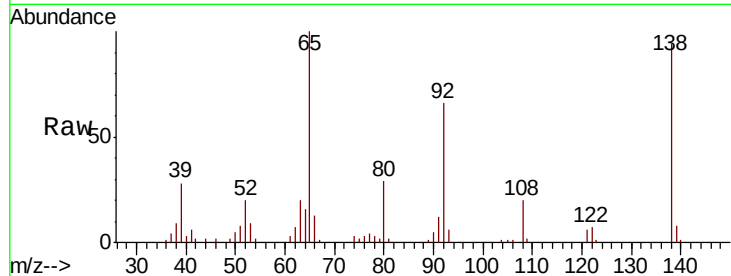




#48
 2-Nitroaniline
 Concen: 7.354 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

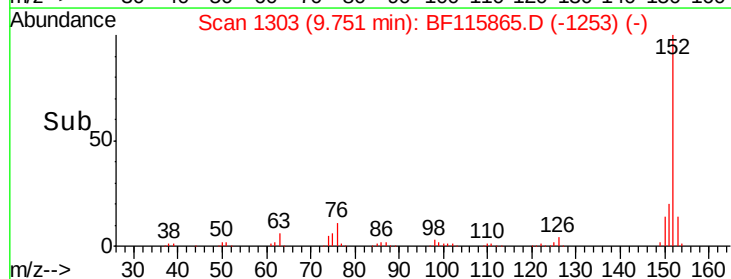
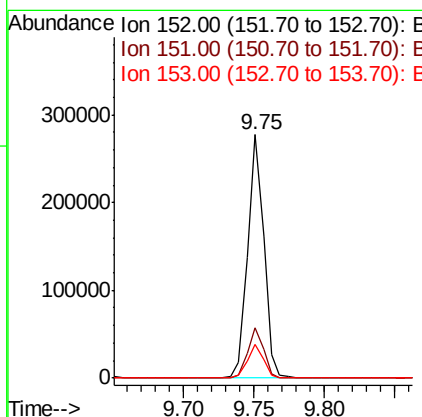
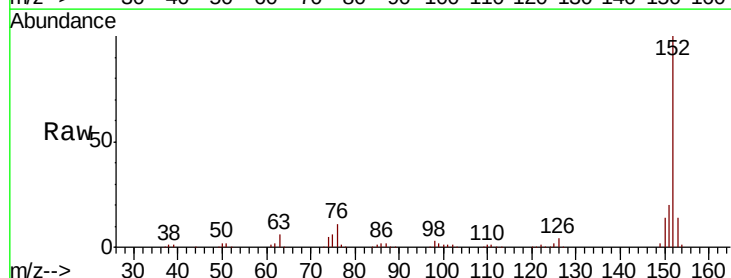
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

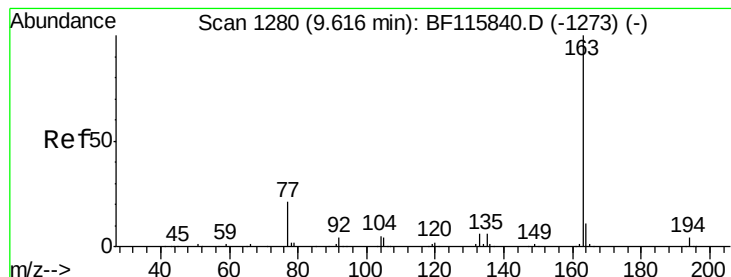
Tgt Ion: 65 Resp: 41813
 Ion Ratio Lower Upper
 65 100
 92 65.8 57.1 85.7
 138 94.3 97.1 145.7#



#49
 Acenaphthylene
 Concen: 8.883 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion: 152 Resp: 222918
 Ion Ratio Lower Upper
 152 100
 151 20.5 16.8 25.2
 153 13.9 11.6 17.4





#50

Dimethylphthalate

Concen: 7.929 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

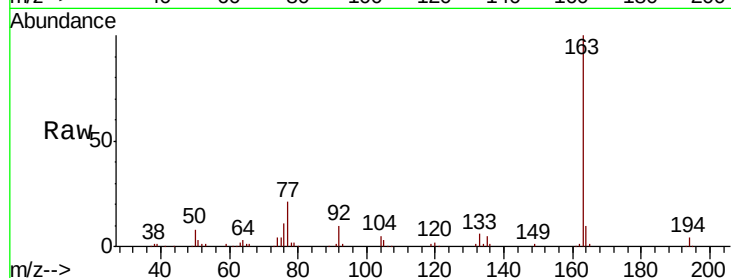
Tgt Ion:163 Resp: 158038

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

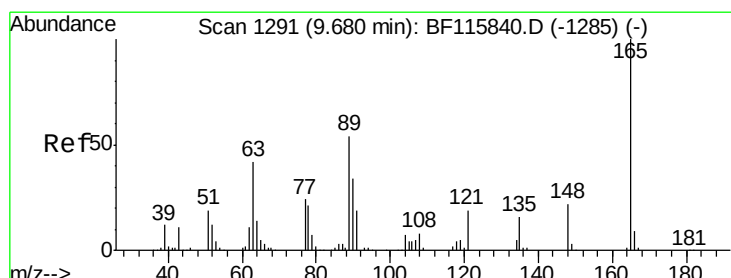
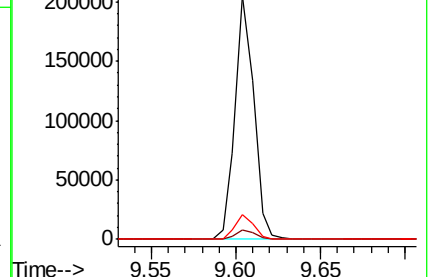
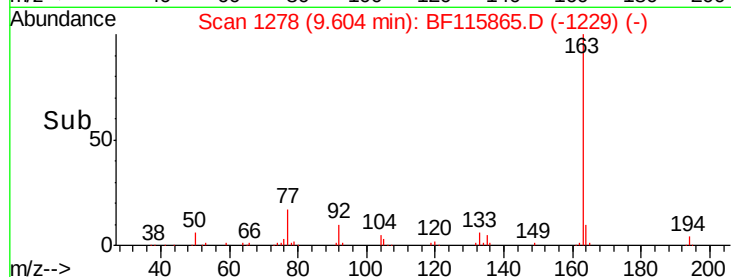
164 10.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.702 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

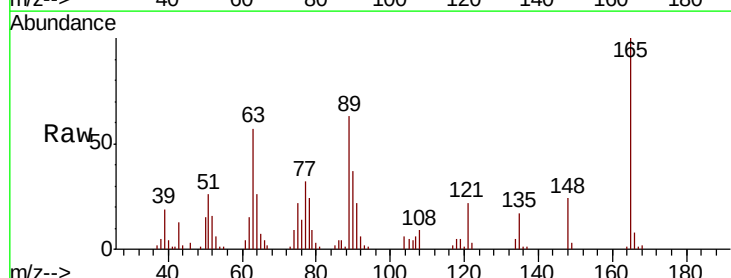
Tgt Ion:165 Resp: 33362

Ion Ratio Lower Upper

165 100

63 56.7 39.4 59.2

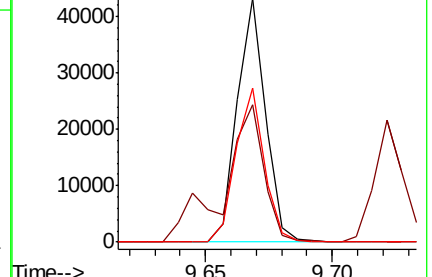
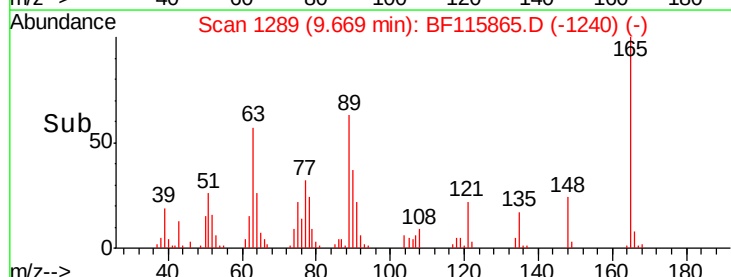
89 63.2 43.0 64.6

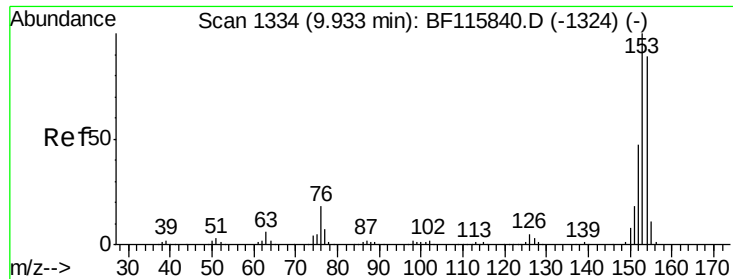


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 8.739 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

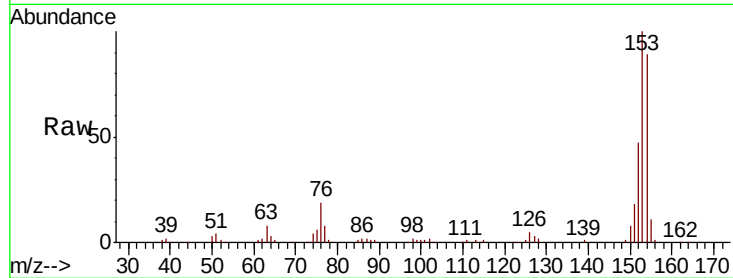
Tgt Ion:154 Resp: 134533

Ion Ratio Lower Upper

154 100

153 112.4 90.1 135.1

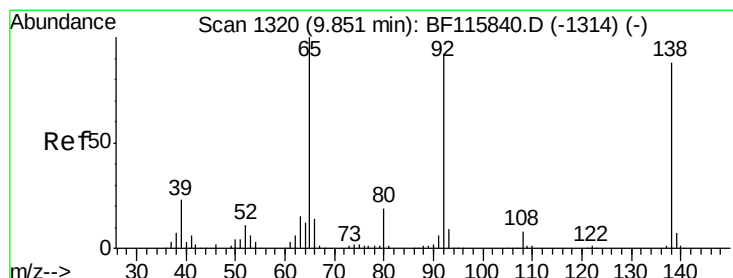
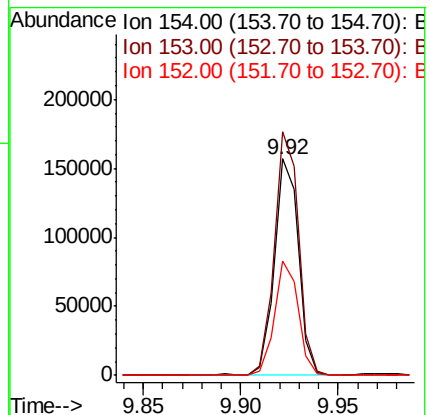
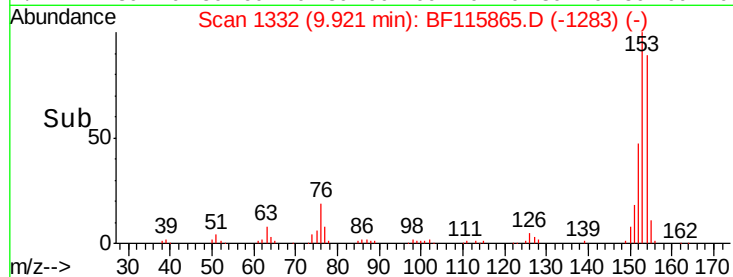
152 52.8 42.6 63.8



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: 6.995 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

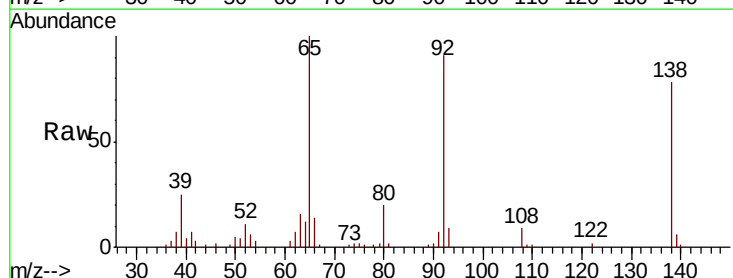
Tgt Ion:138 Resp: 37436

Ion Ratio Lower Upper

138 100

108 10.9 7.4 11.2

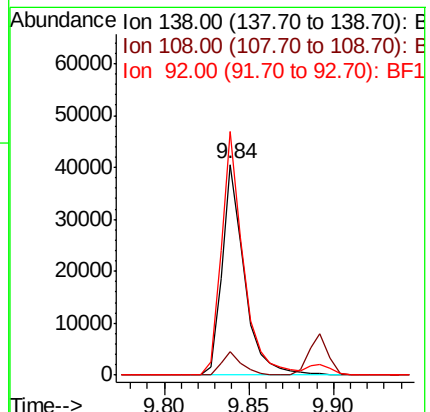
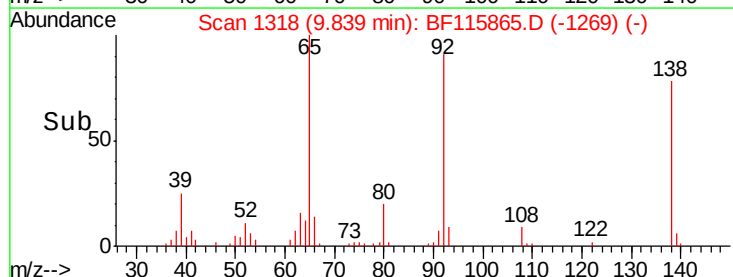
92 115.6 83.9 125.9

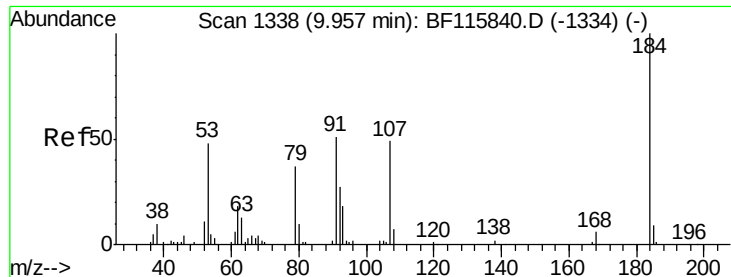


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

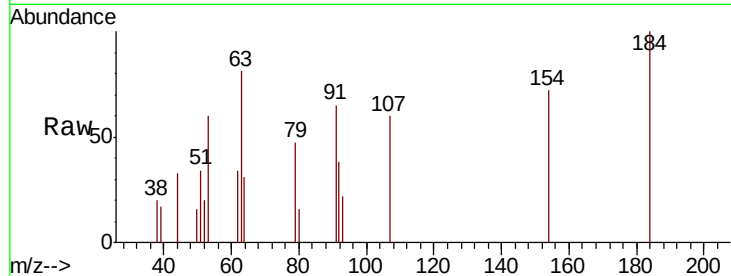




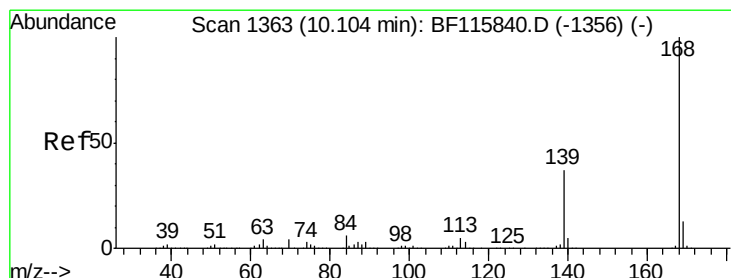
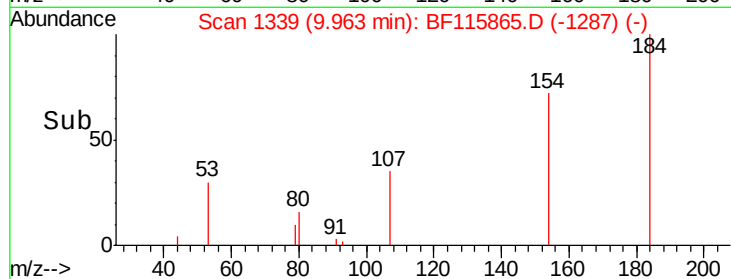
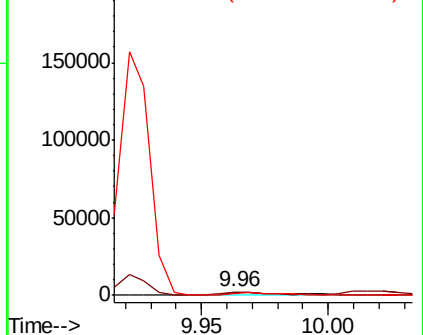
#54
2,4-Dinitrophenol
Concen: 9.224 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:184 Resp: 3445
Ion Ratio Lower Upper
184 100
63 80.9 56.7 85.1
154 71.6 51.9 77.9

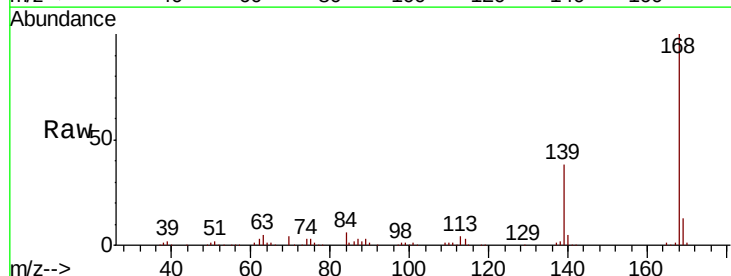


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

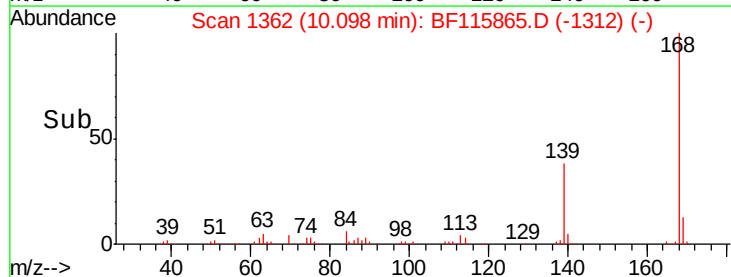
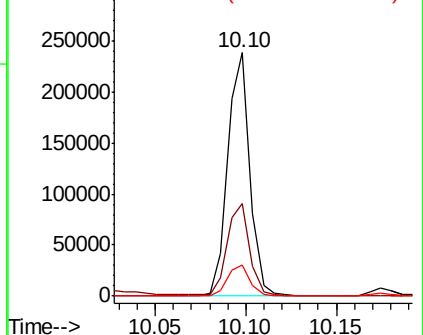


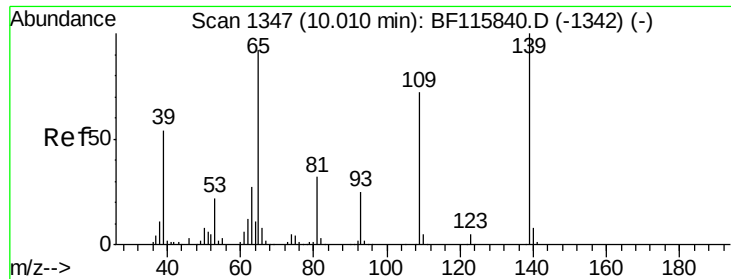
#55
Dibenzofuran
Concen: 9.045 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion:168 Resp: 202491
Ion Ratio Lower Upper
168 100
139 37.8 30.2 45.2
169 12.7 10.8 16.2



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





#56

4-Nitrophenol

Concen: 4.766 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

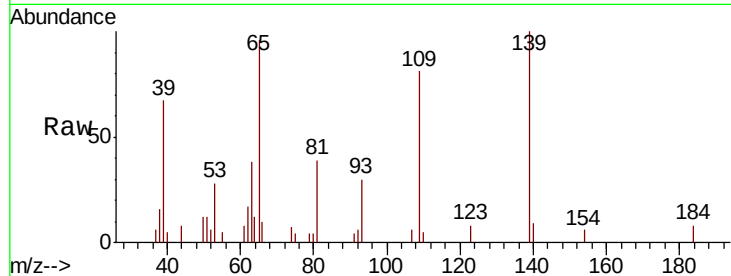
Tgt Ion:139 Resp: 16339

Ion Ratio Lower Upper

139 100

109 81.4 52.0 92.0

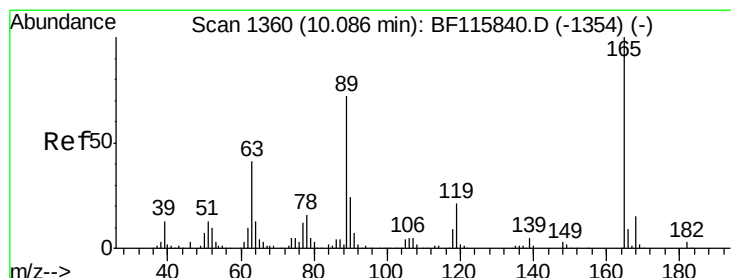
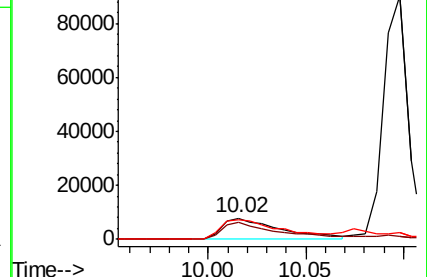
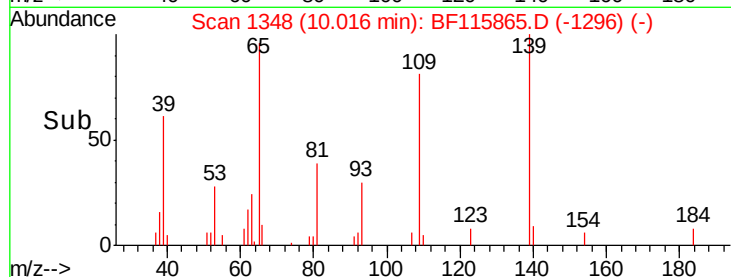
65 95.9 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 7.556 ng

RT: 10.07 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Tgt Ion:165 Resp: 43574

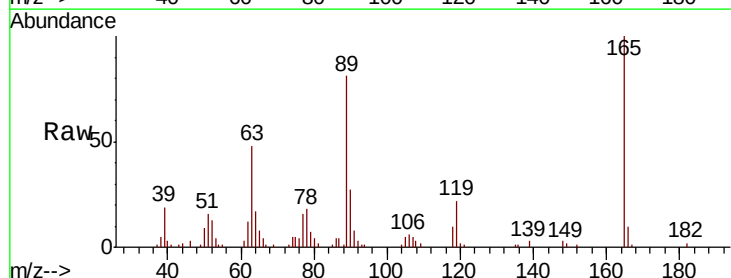
Ion Ratio Lower Upper

165 100

63 48.0 33.2 49.8

89 80.5 57.3 85.9

182 2.3 2.1 3.1

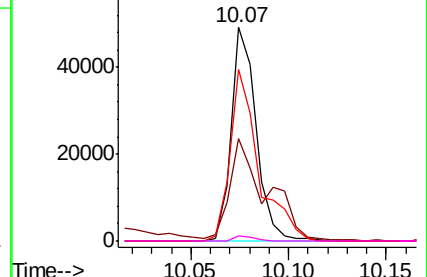
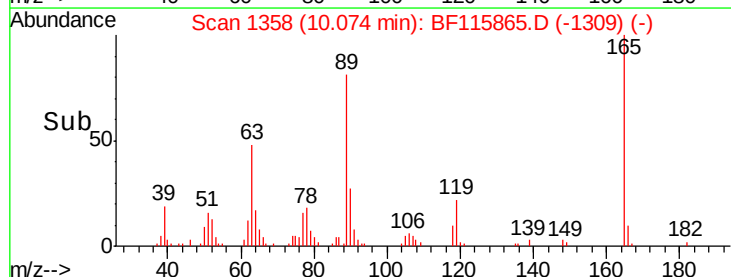


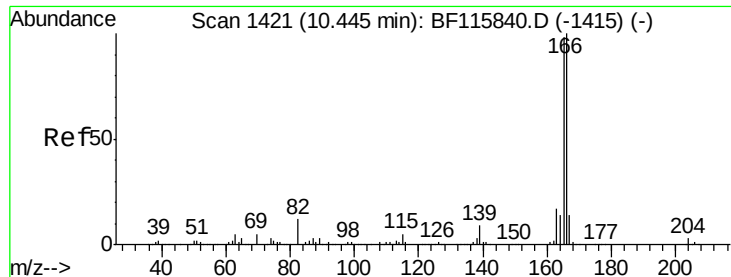
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

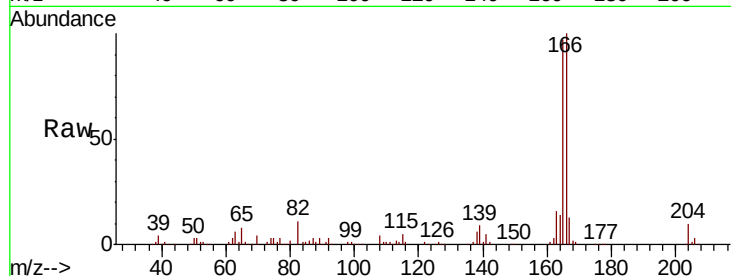




#58
 Fluorene
 Concen: 9.144 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.6	118.0
167	13.3	10.9	16.3

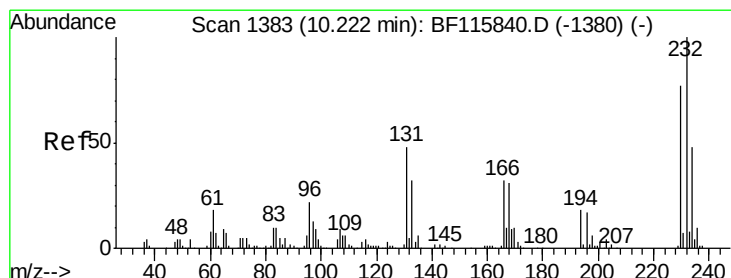
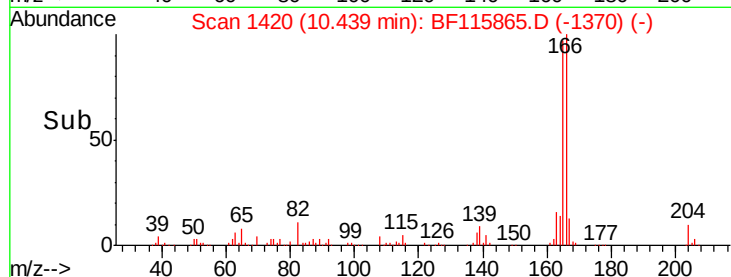
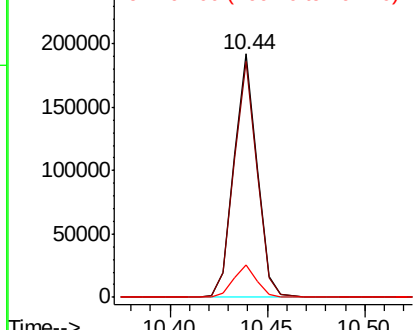


Abundance

Ion 166.00 (165.70 to 166.70): E

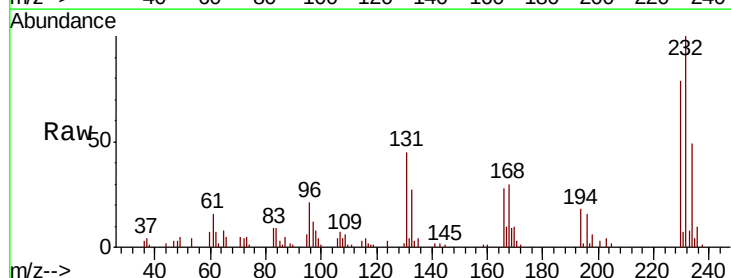
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.280 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
232	100		
131	50.0	37.6	56.4
130	2.5	1.8	2.8
166	30.6	24.6	37.0



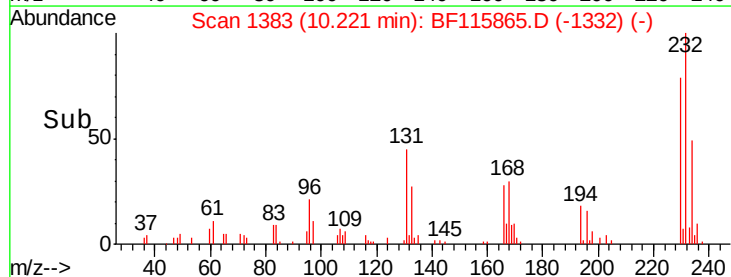
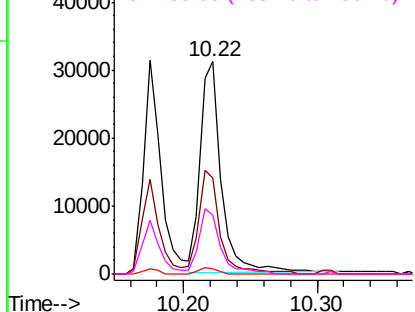
Abundance

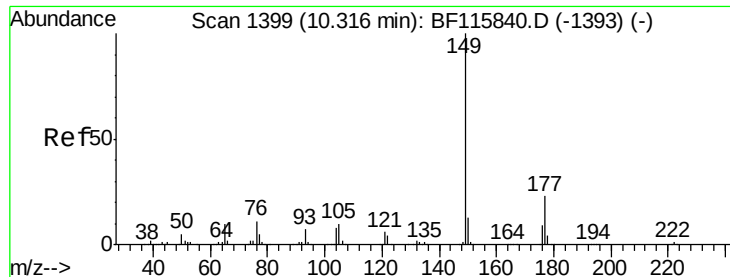
Ion 232.00 (231.70 to 232.70): E

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

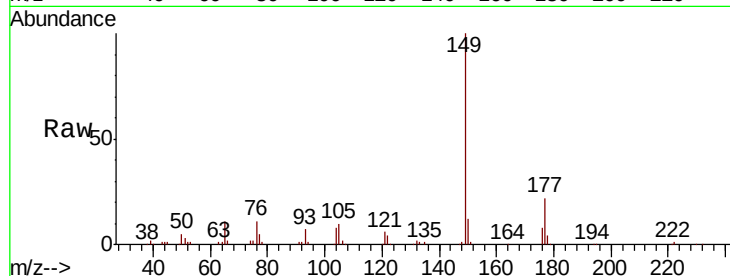




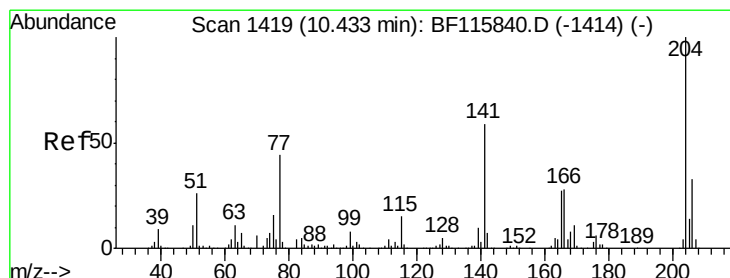
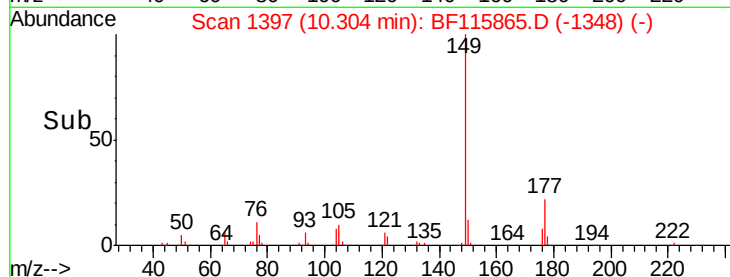
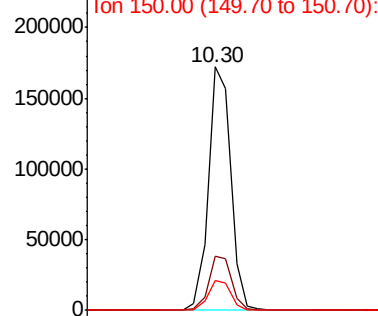
#60
Diethylphthalate
Concen: 7.949 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion:149 Resp: 147920
Ion Ratio Lower Upper
149 100
177 22.0 18.4 27.6
150 12.1 10.1 15.1

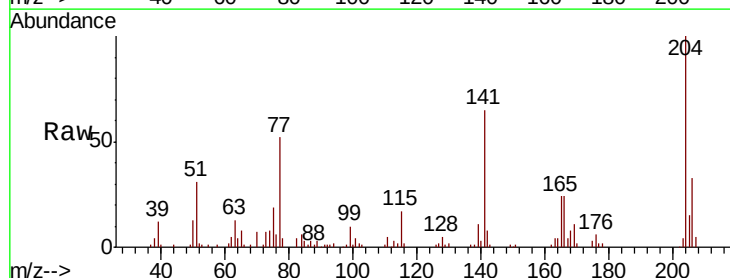


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

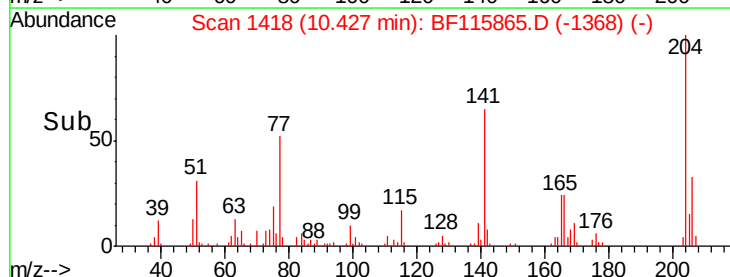
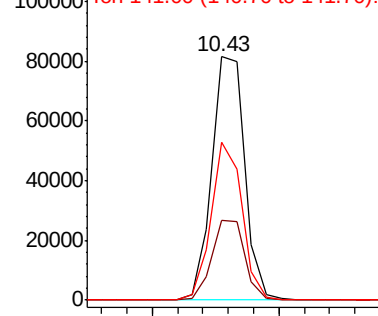


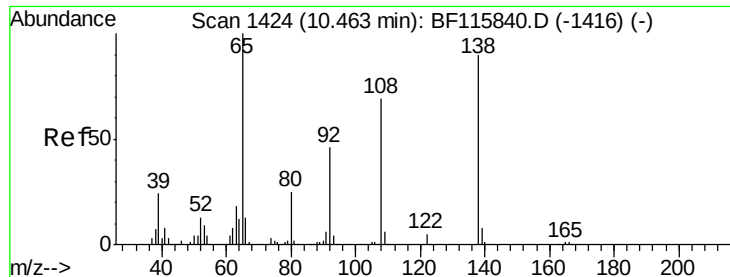
#61
4-Chlorophenyl-phenylether
Concen: 8.395 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion:204 Resp: 73235
Ion Ratio Lower Upper
204 100
206 32.6 26.4 39.6
141 64.8 47.0 70.4



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

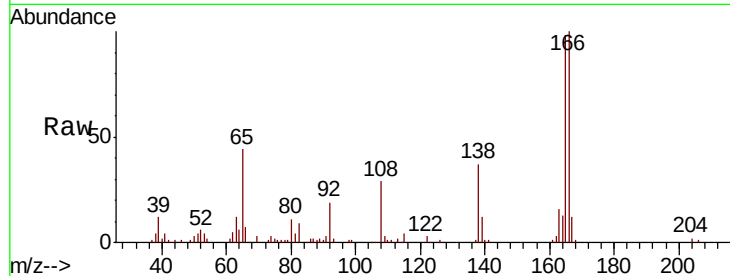




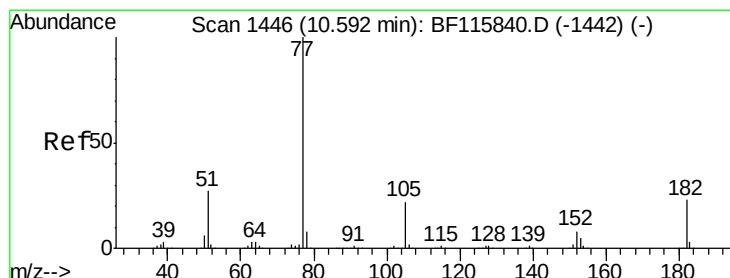
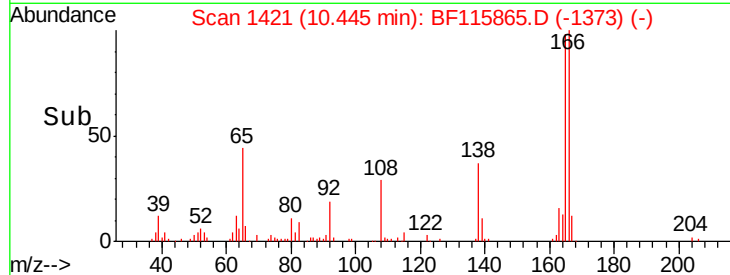
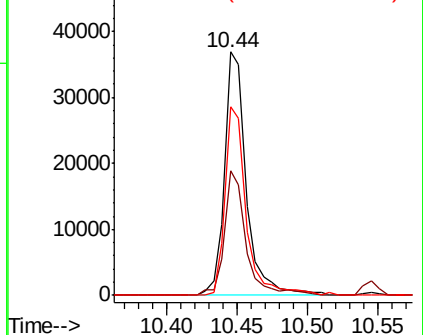
#62
4-Nitroaniline
Concen: 7.220 ng
RT: 10.44 min Scan# 1421
Delta R.T. -0.02 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion: 138 Resp: 39934
Ion Ratio Lower Upper
138 100
92 51.2 31.0 71.0
108 77.7 56.7 96.7



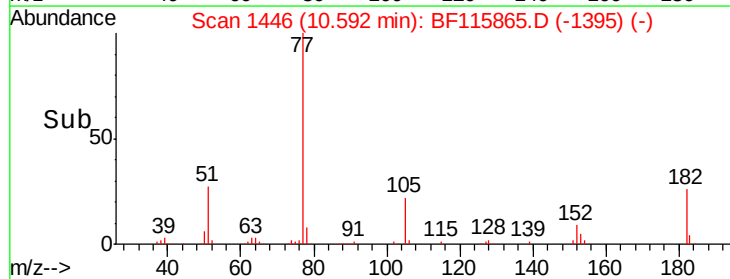
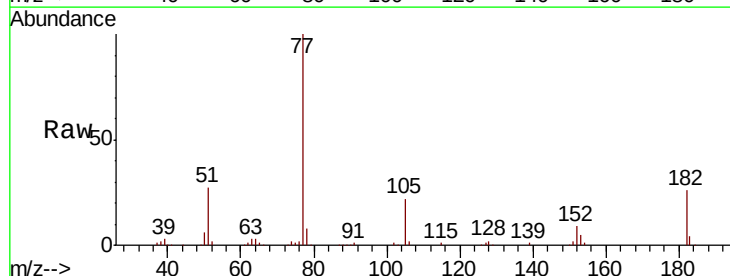
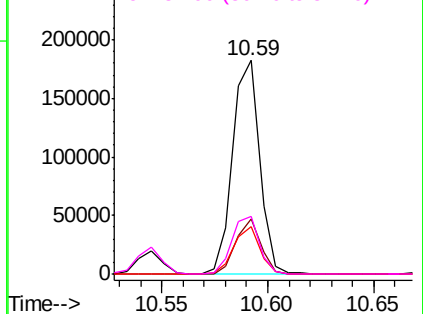
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

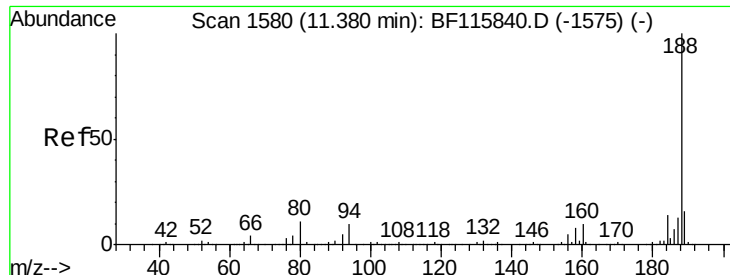


#63
Azobenzene
Concen: 8.364 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion: 77 Resp: 160091
Ion Ratio Lower Upper
77 100
182 25.6 2.6 42.6
105 22.3 1.6 41.6
51 27.2 7.4 47.4

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

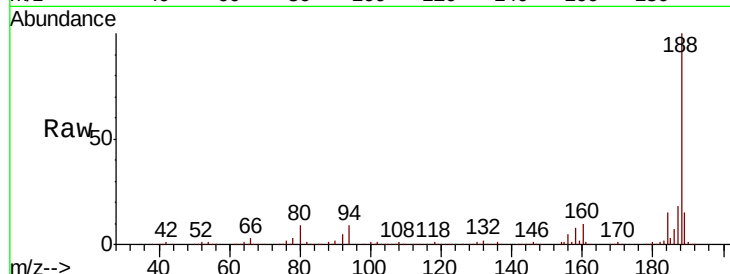
Tgt Ion:188 Resp: 507589

Ion Ratio Lower Upper

188 100

94 8.5 8.0 12.0

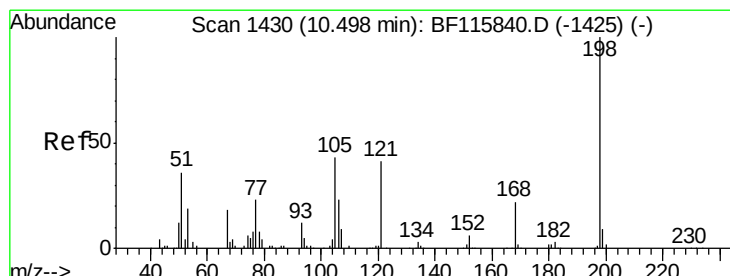
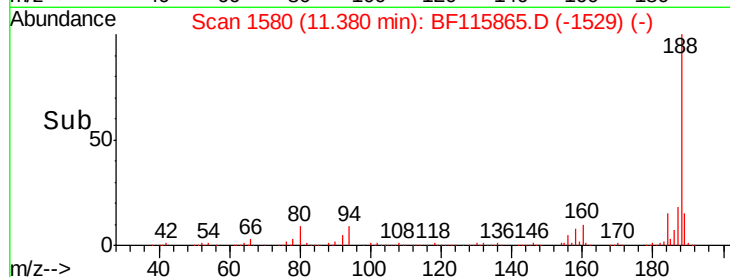
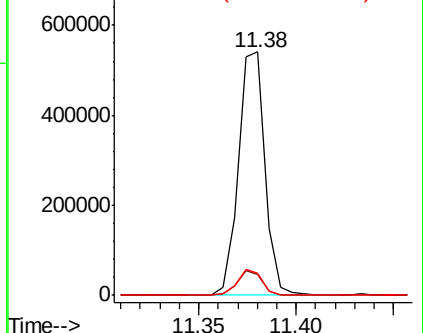
80 9.2 8.6 12.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.875 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

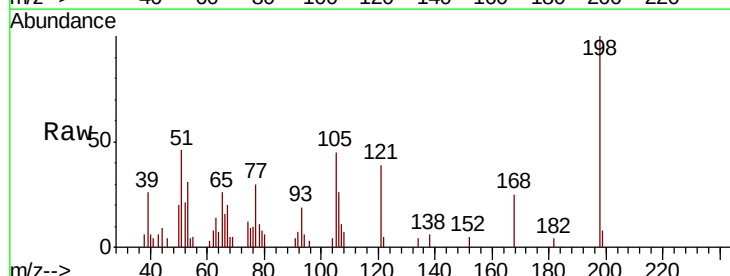
Tgt Ion:198 Resp: 13112

Ion Ratio Lower Upper

198 100

51 45.5 21.1 61.1

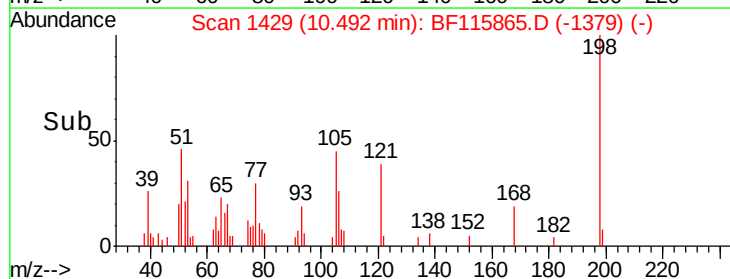
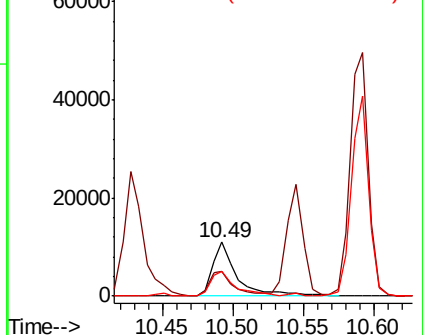
105 44.9 24.5 64.5

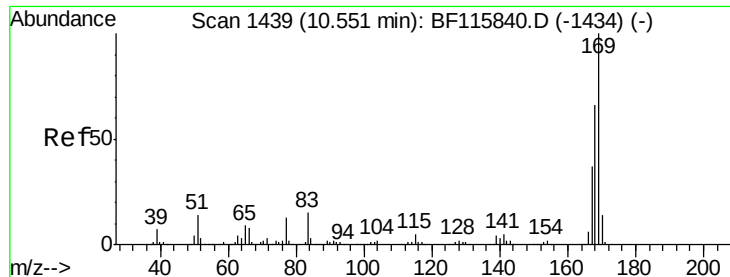


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

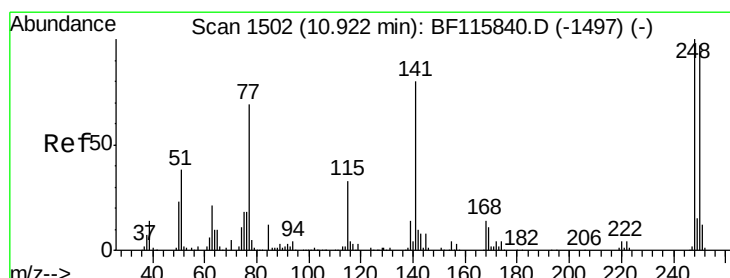
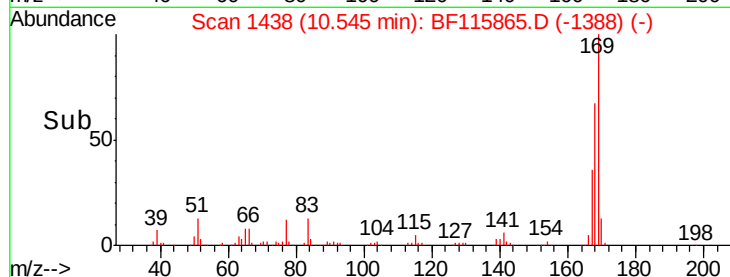
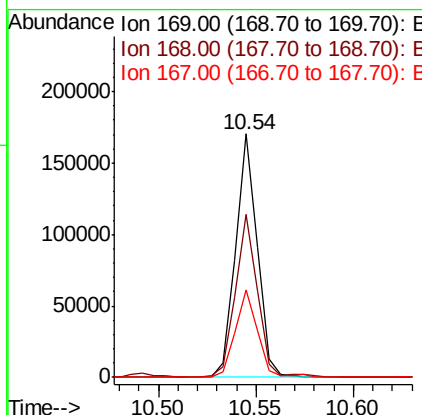
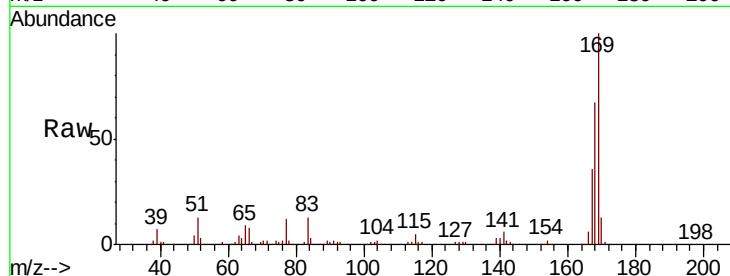




#66
 n-Nitrosodiphenylamine
 Concen: 8.559 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

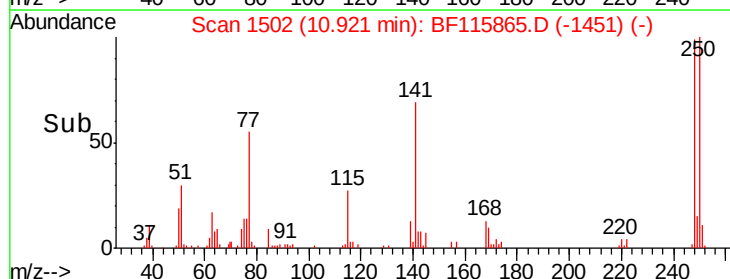
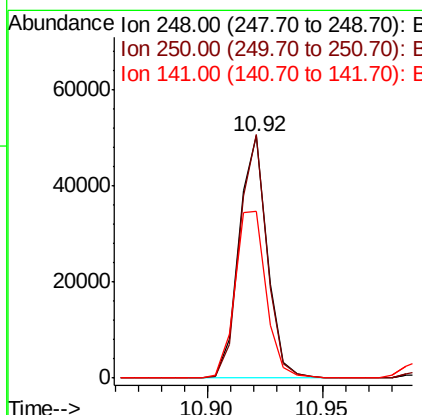
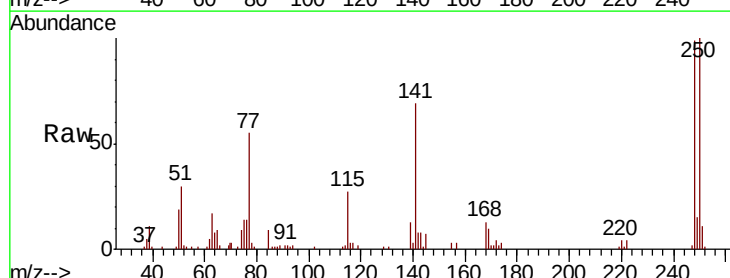
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

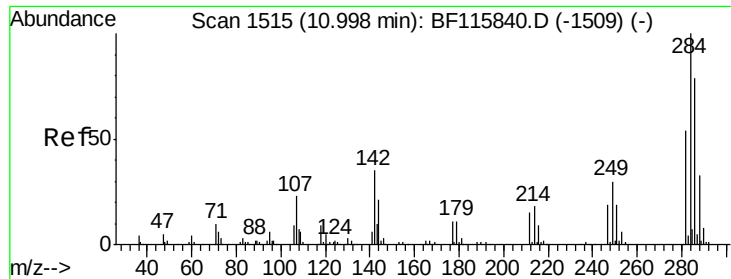
Tgt Ion:169 Resp: 130758
 Ion Ratio Lower Upper
 169 100
 168 66.8 53.0 79.6
 167 36.0 29.9 44.9



#67
 4-Bromophenyl-phenylether
 Concen: 7.930 ng
 RT: 10.92 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion:248 Resp: 43090
 Ion Ratio Lower Upper
 248 100
 250 100.5 77.8 116.6
 141 69.1 64.3 96.5

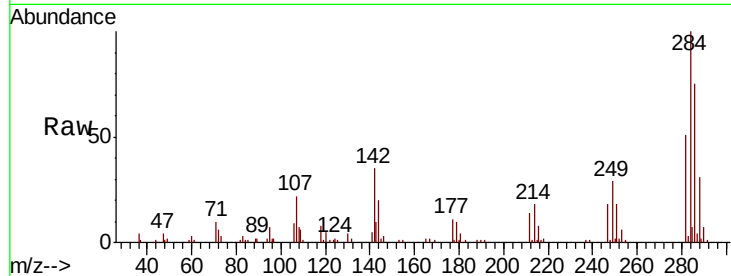




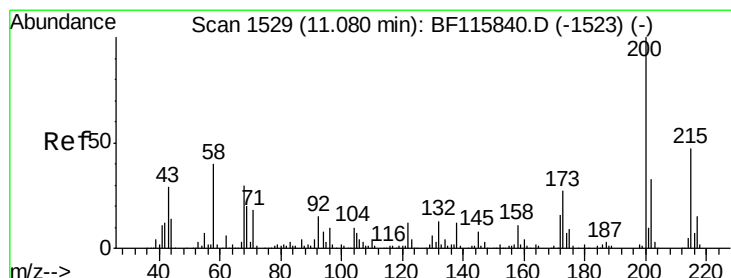
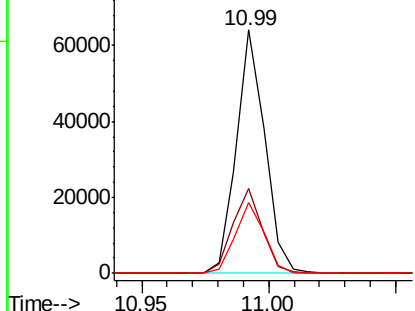
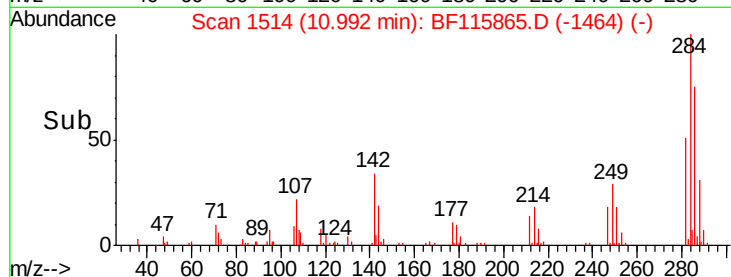
#68
Hexachlorobenzene
Concen: 7.935 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.9	28.2	42.2
249	29.0	24.0	36.0

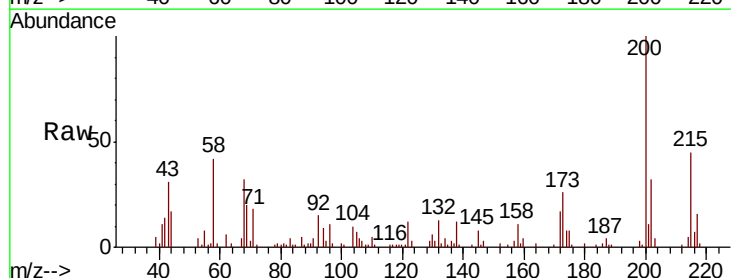


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

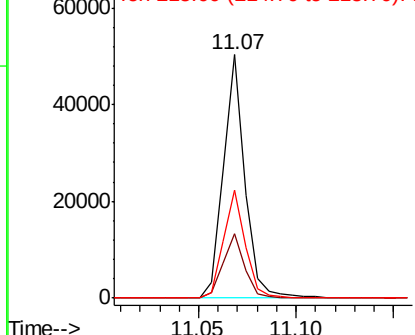
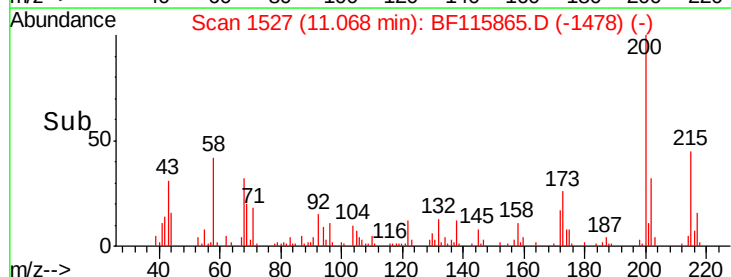


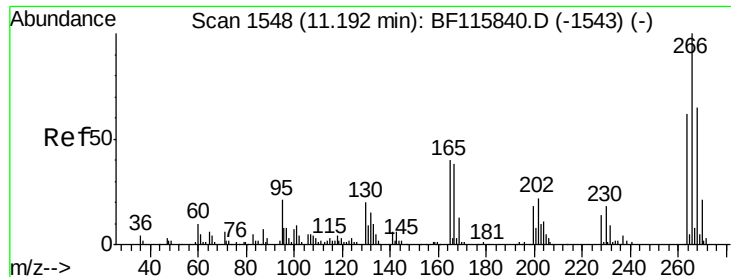
#69
Atrazine
Concen: 7.640 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.4	7.3	47.3
215	44.6	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

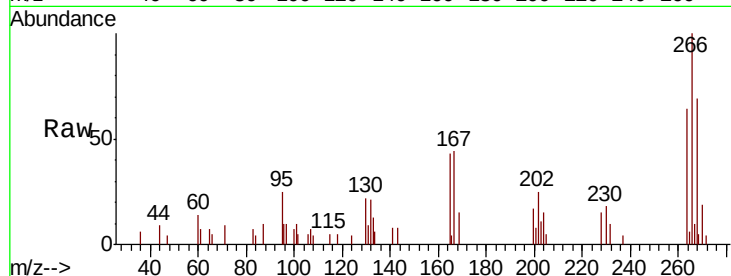




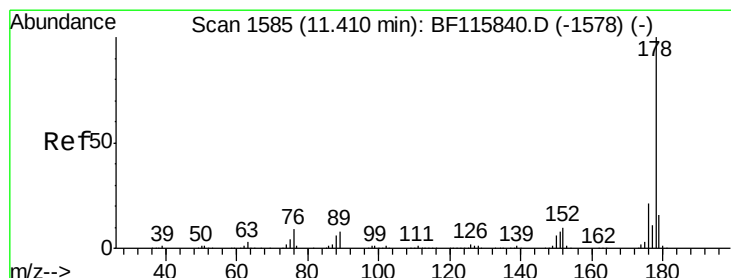
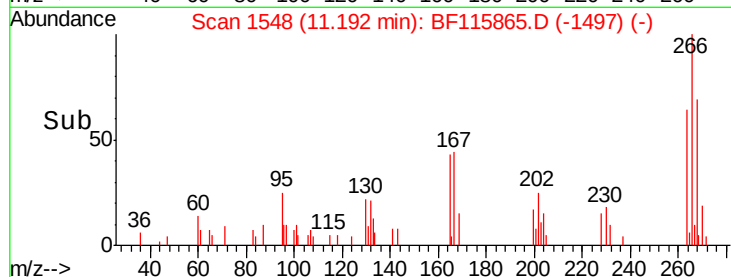
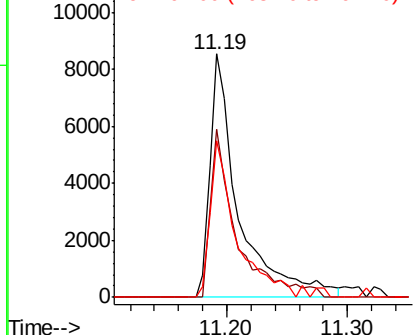
#70
 Pentachlorophenol
 Concen: 4.582 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.00 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tgt Ion: 266 Resp: 13977
 Ion Ratio Lower Upper
 266 100
 268 73.5 51.6 77.4
 264 64.1 49.4 74.0

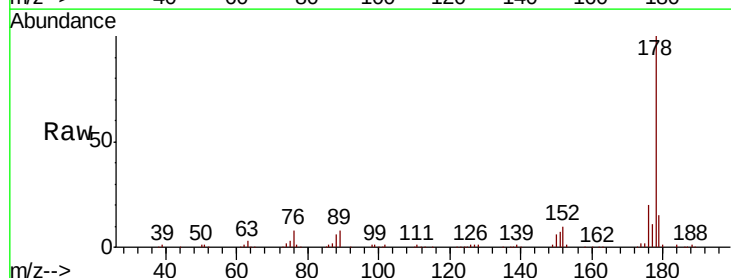


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

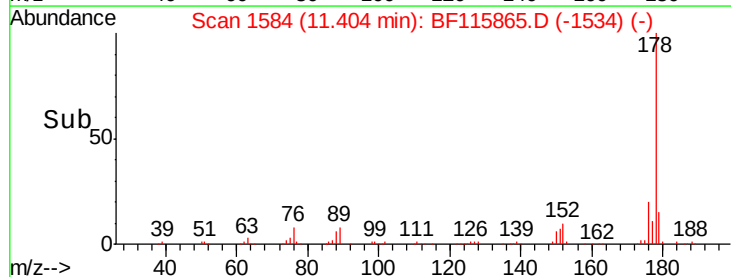
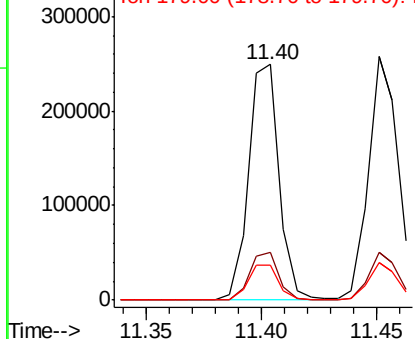


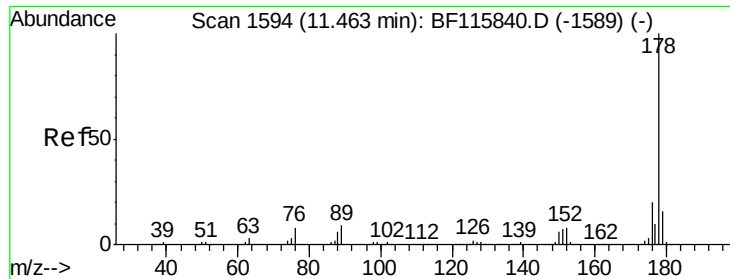
#71
 Phenanthrene
 Concen: 8.888 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion: 178 Resp: 230644
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.5 24.7
 179 14.9 12.6 18.8



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





#72

Anthracene

Concen: 8.961 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

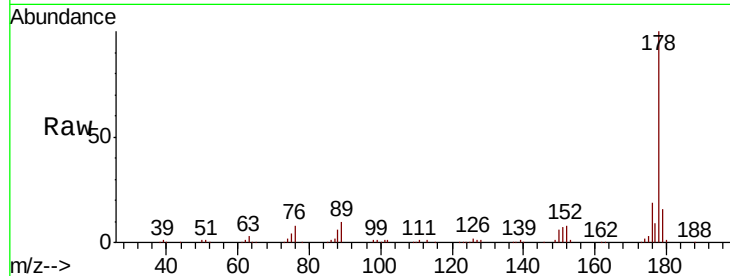
Tgt Ion:178 Resp: 235330

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

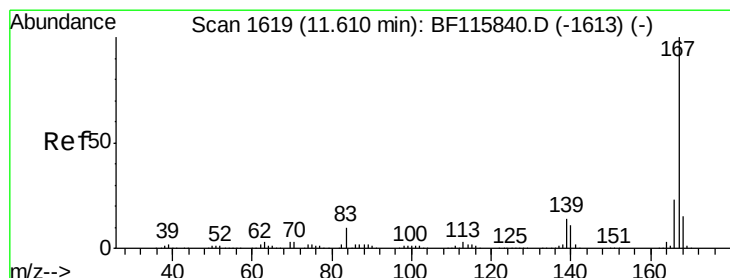
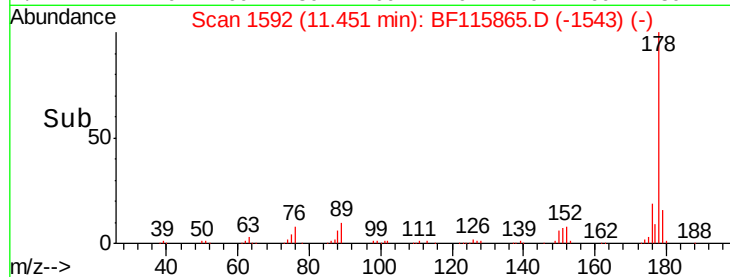
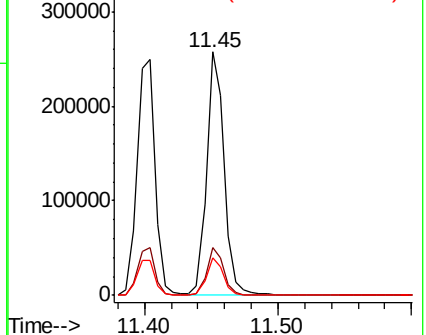
179 15.5 12.4 18.6



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: 8.593 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

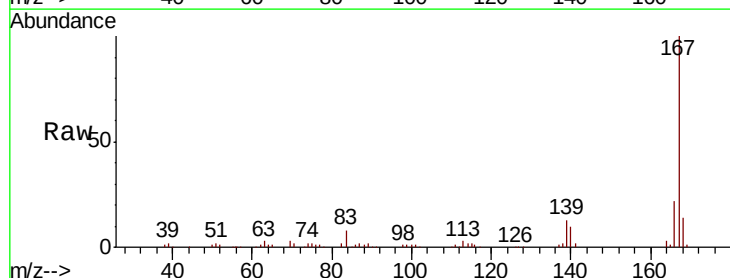
Tgt Ion:167 Resp: 204730

Ion Ratio Lower Upper

167 100

166 21.9 18.0 27.0

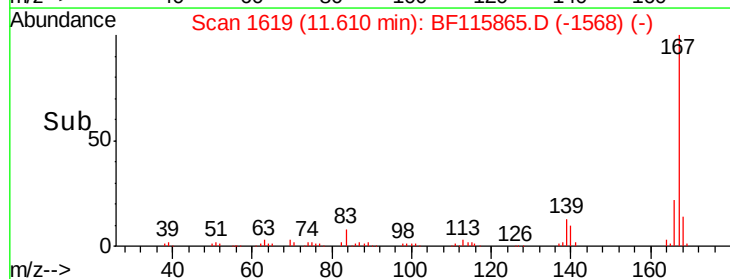
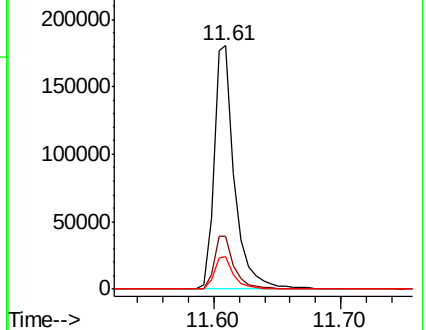
139 13.1 11.4 17.2

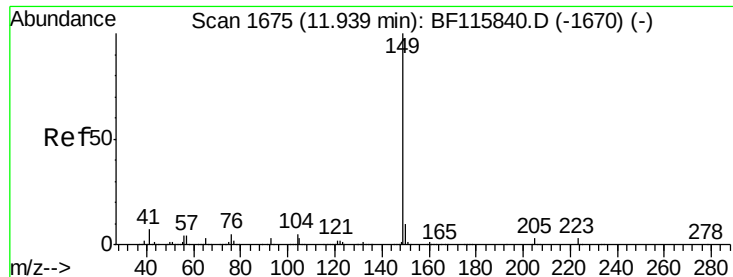


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

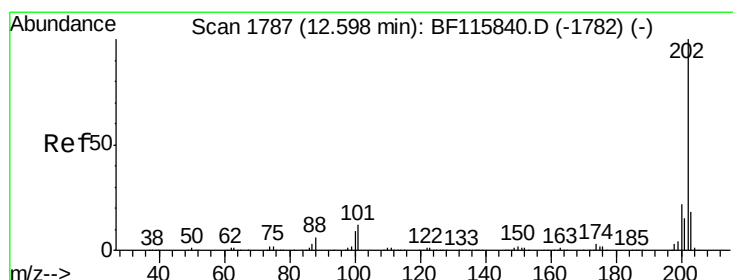
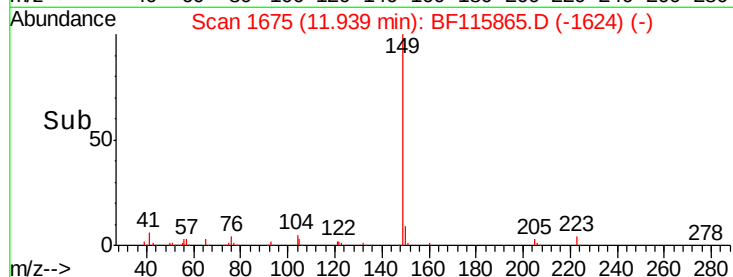
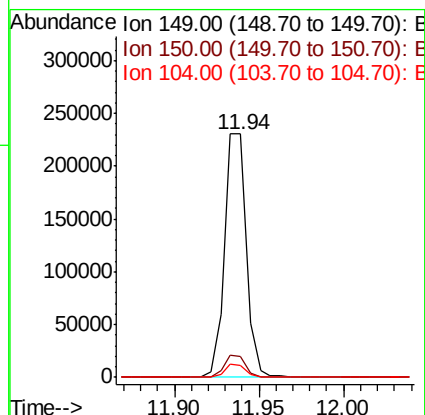
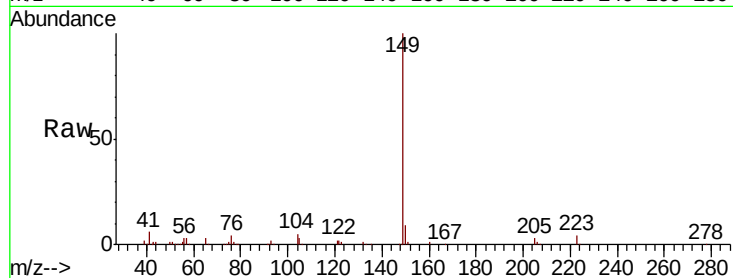




#74
Di-n-butylphthalate
Concen: 7.476 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

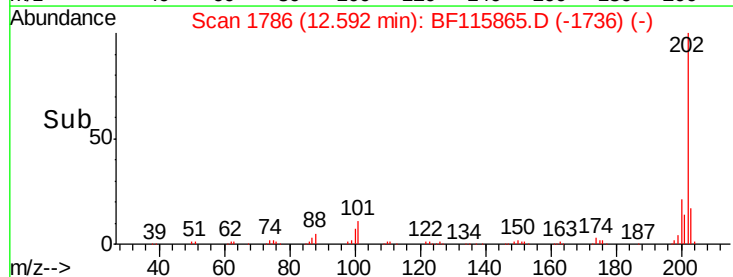
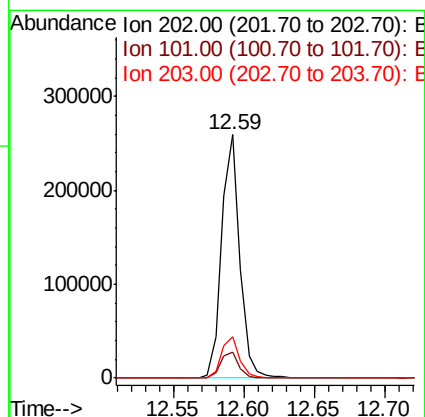
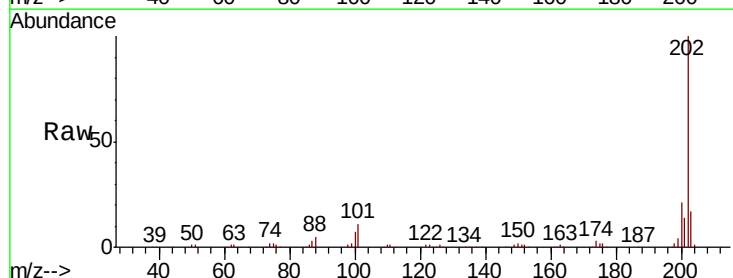
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

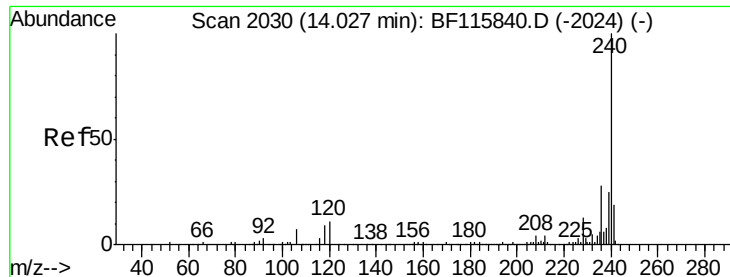
Tgt Ion:149 Resp: 207783
Ion Ratio Lower Upper
149 100
150 8.8 7.7 11.5
104 4.7 4.3 6.5



#75
Fluoranthene
Concen: 8.507 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion:202 Resp: 231090
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.5
203 17.2 0.0 37.9

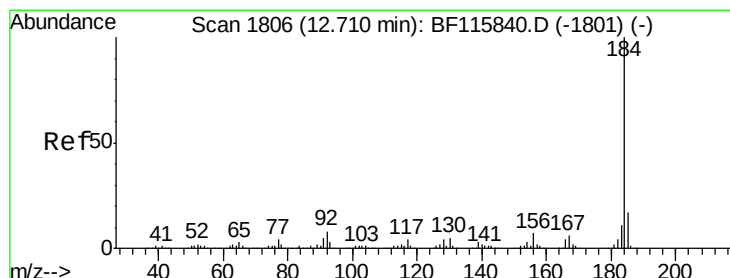
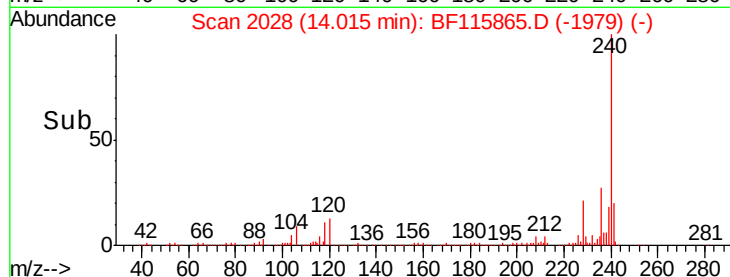
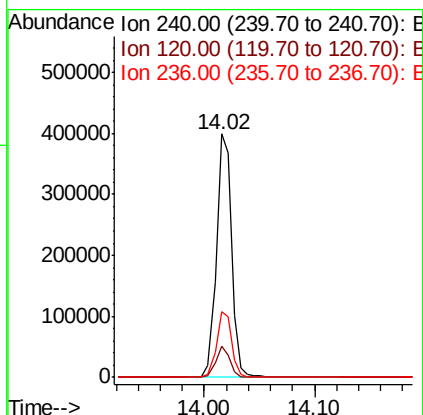
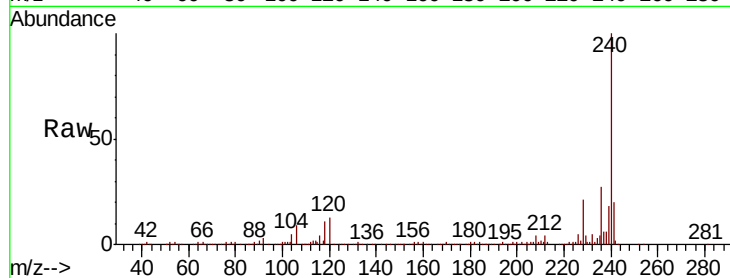




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

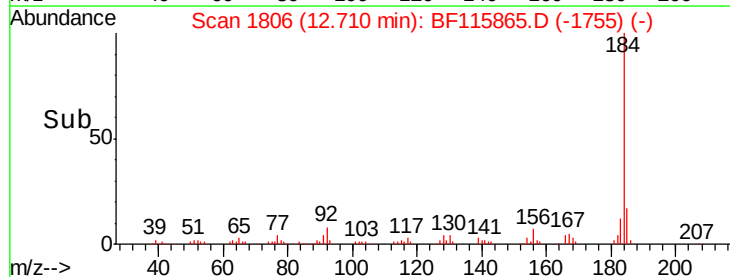
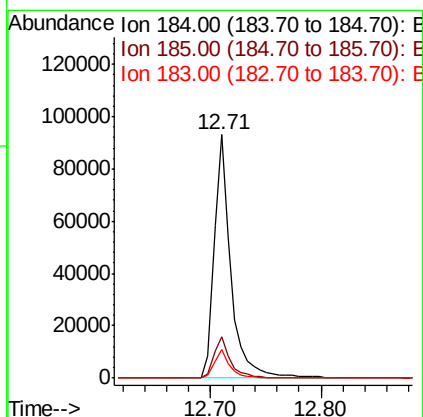
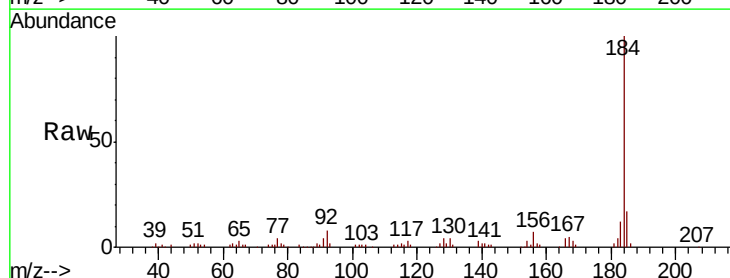
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

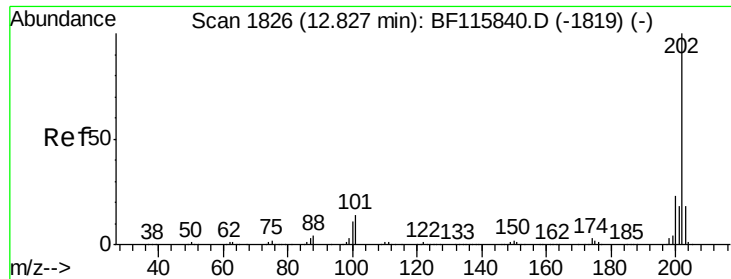
Tgt Ion:240 Resp: 381225
Ion Ratio Lower Upper
240 100
120 12.6 8.5 12.7
236 27.0 22.2 33.2



#77
Benzidine
Concen: 7.451 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion:184 Resp: 95960
Ion Ratio Lower Upper
184 100
185 17.1 13.4 20.2
183 11.8 9.1 13.7

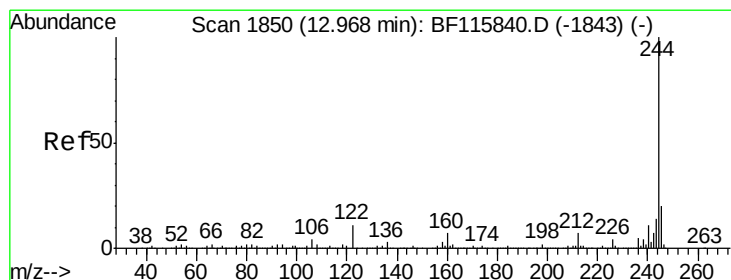
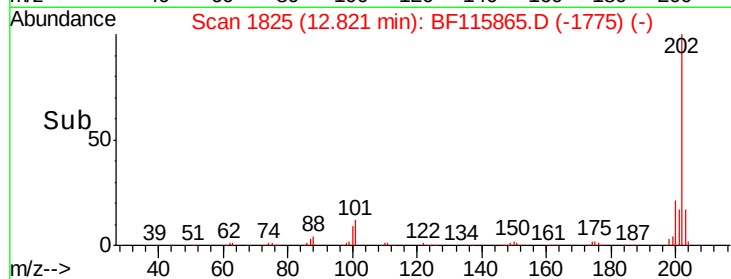
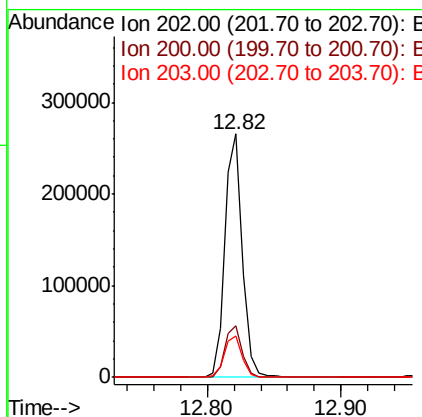
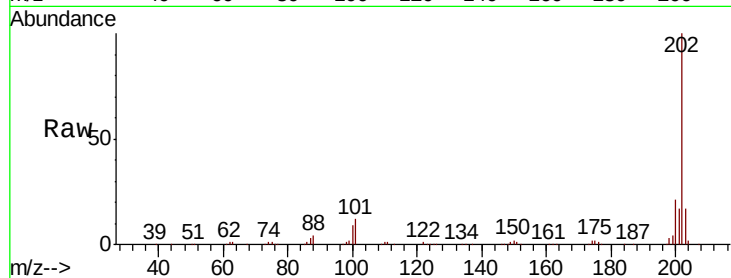




#78
 Pyrene
 Concen: 8.505 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

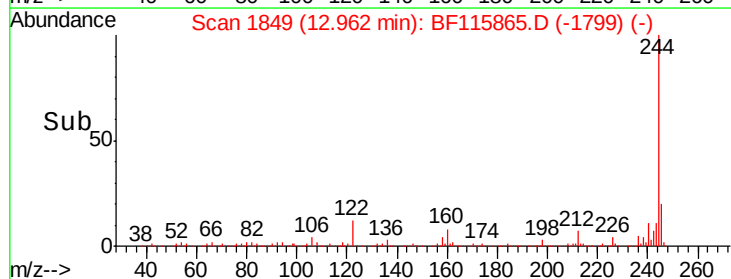
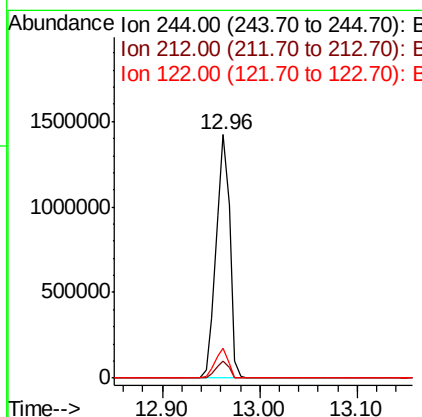
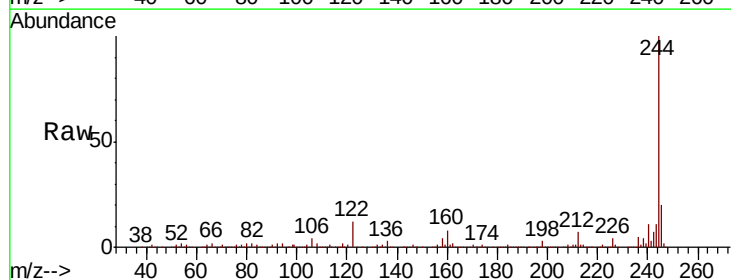
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

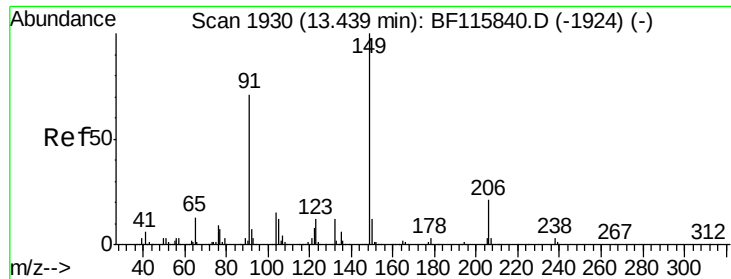
Tgt Ion: 202 Resp: 244404
 Ion Ratio Lower Upper
 202 100
 200 21.1 18.2 27.2
 203 17.1 14.3 21.5



#79
 Terphenyl-d14
 Concen: 76.458 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion: 244 Resp: 1383275
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 12.1 8.6 13.0

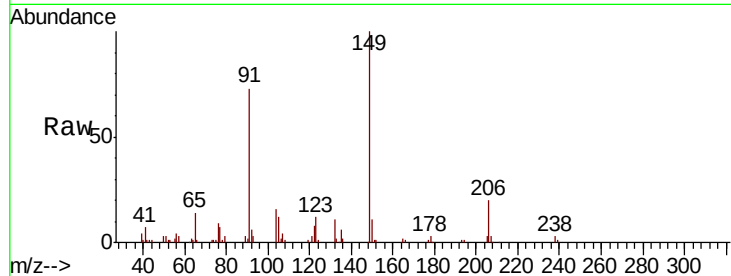




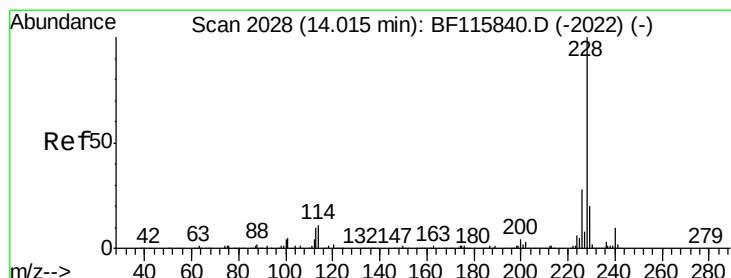
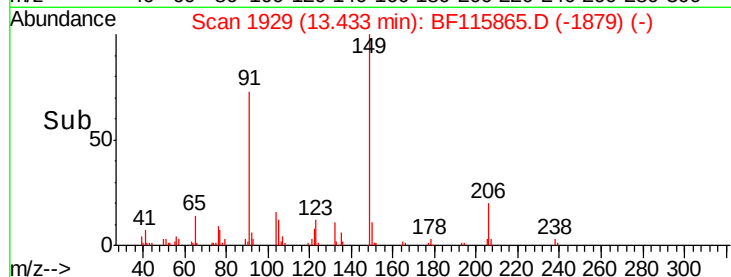
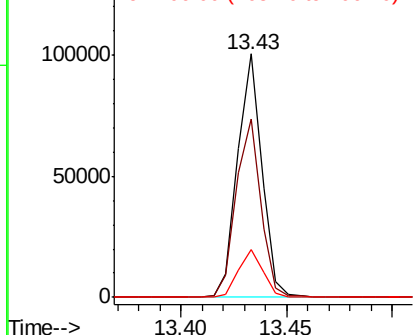
#80
Butylbenzylphthalate
Concen: 6.541 ng
RT: 13.43 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT3-2019

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.0	57.0	85.6
206	19.8	16.9	25.3

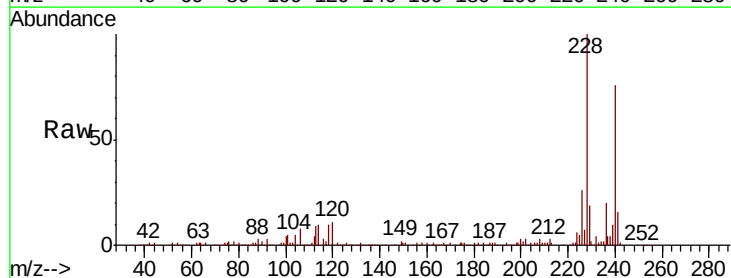


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

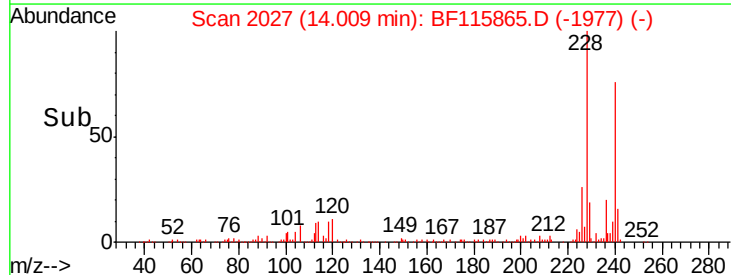
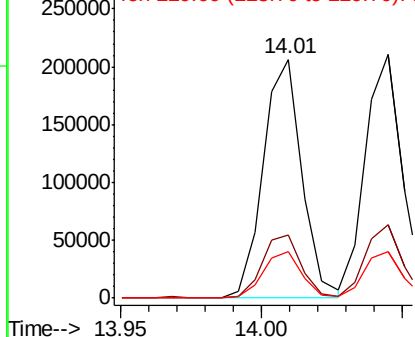


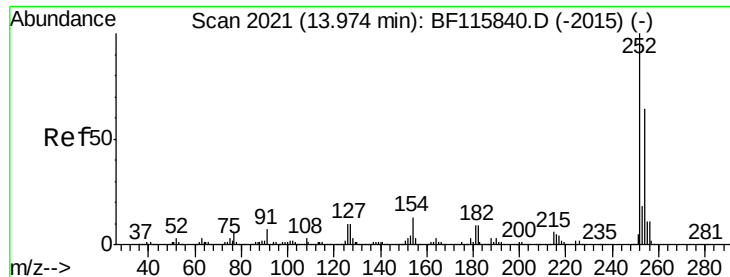
#81
Benzo(a)anthracene
Concen: 8.018 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF115865.D
Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.5	33.7
229	19.4	16.1	24.1



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

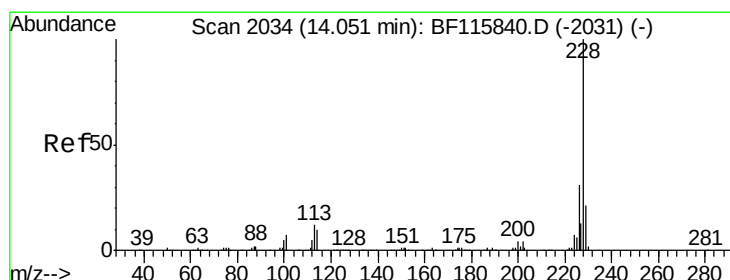
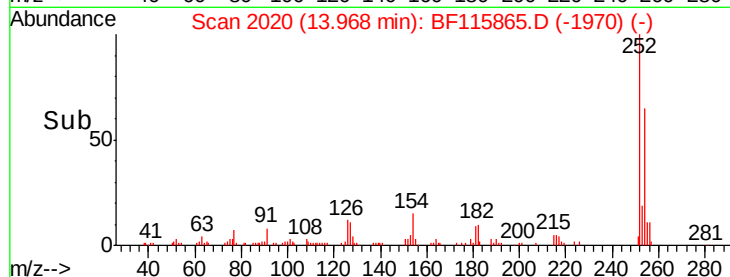
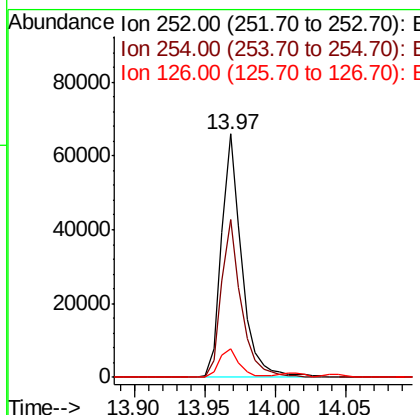
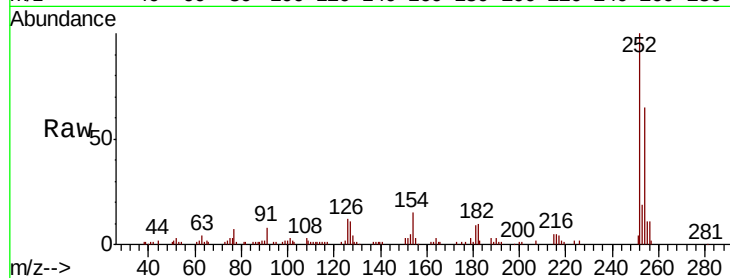




#82
 3,3'-Dichlorobenzidine
 Concen: 7.791 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

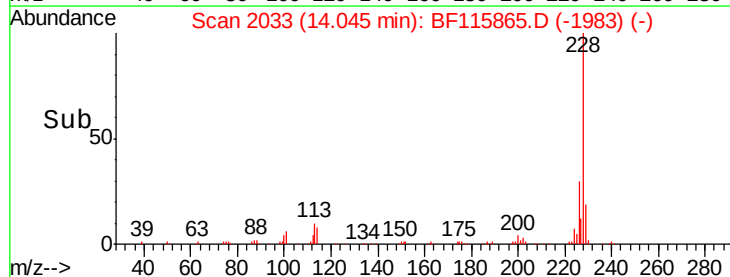
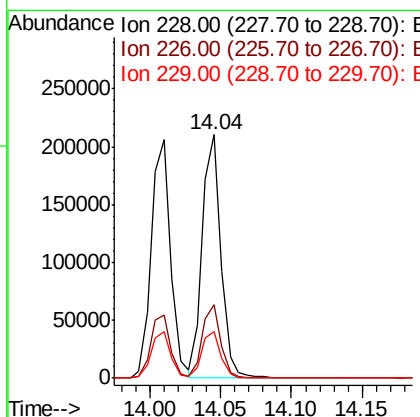
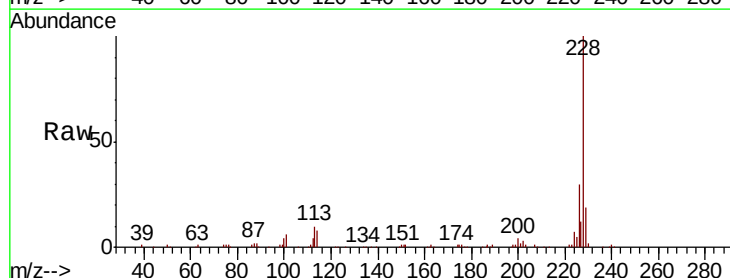
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

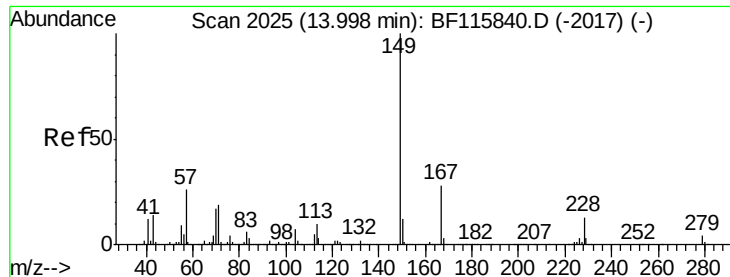
Tgt Ion: 252 Resp: 65952
 Ion Ratio Lower Upper
 252 100
 254 64.8 51.2 76.8
 126 11.8 8.1 12.1



#83
 Chrysene
 Concen: 8.251 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion: 228 Resp: 195178
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.8 37.2
 229 19.2 16.4 24.6

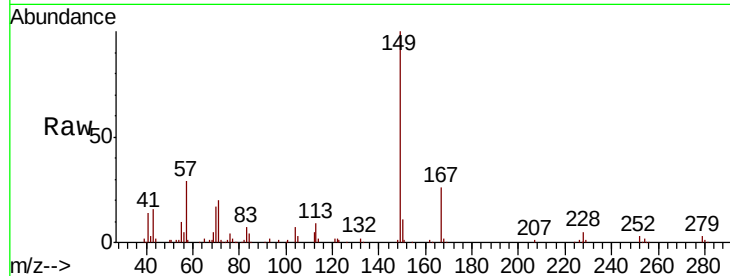




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.696 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	22.4	33.6
279	3.4	3.3	4.9

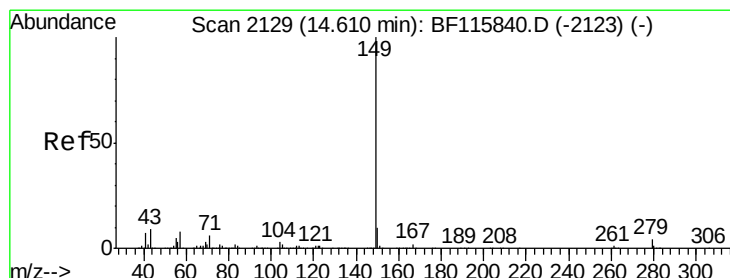
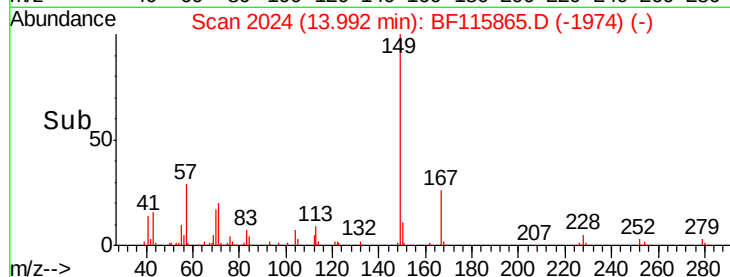
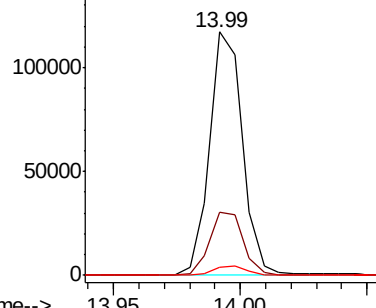


Abundance

Ion 149.00 (148.70 to 149.70): E

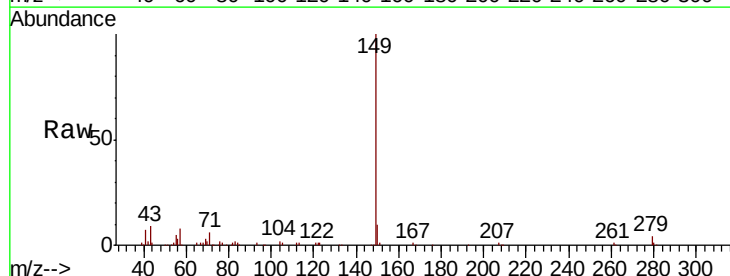
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Di-n-octyl phthalate
 Concen: 6.274 ng
 RT: 14.60 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.2	1.8
43	9.9	7.4	11.0

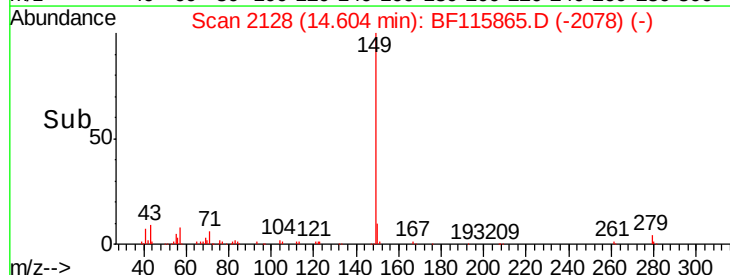
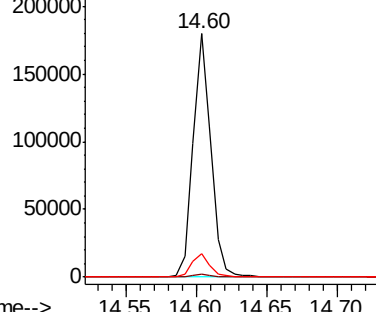


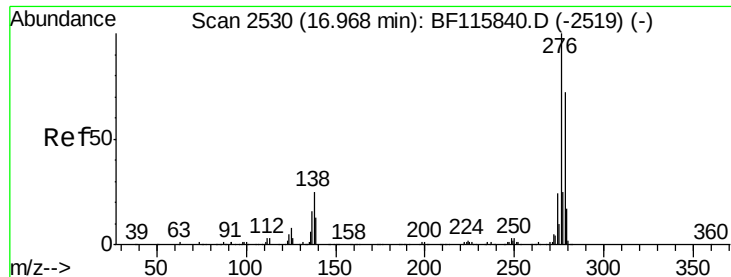
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

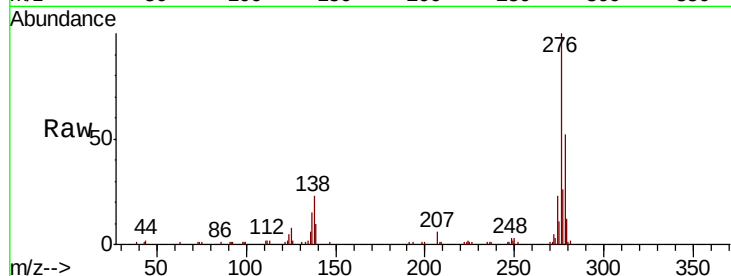




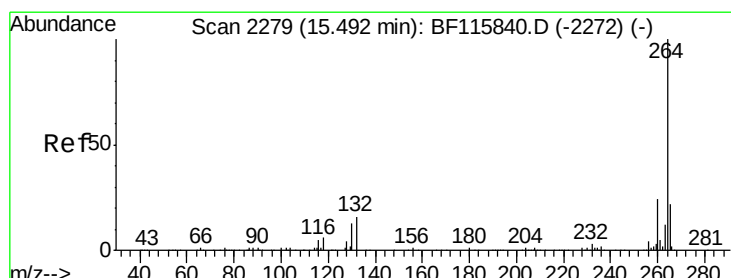
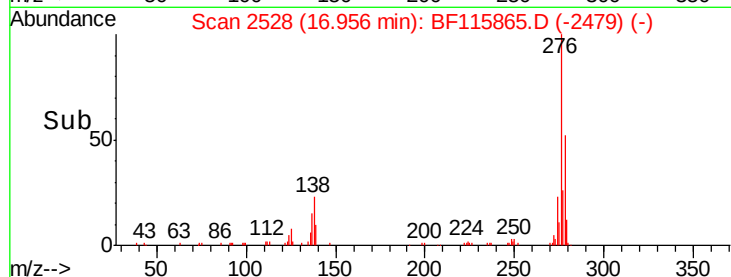
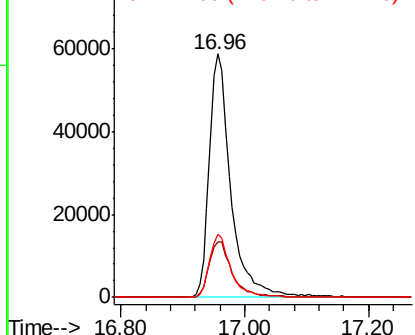
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.131 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.6	29.4
277	25.4	20.1	30.1

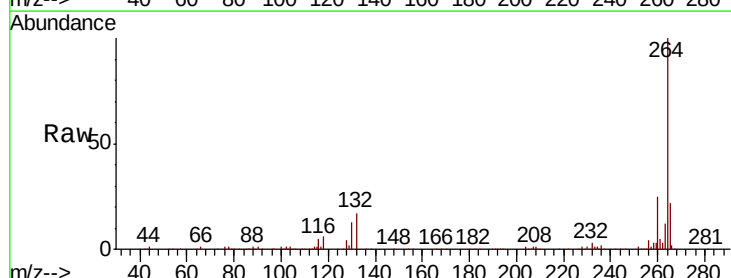


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

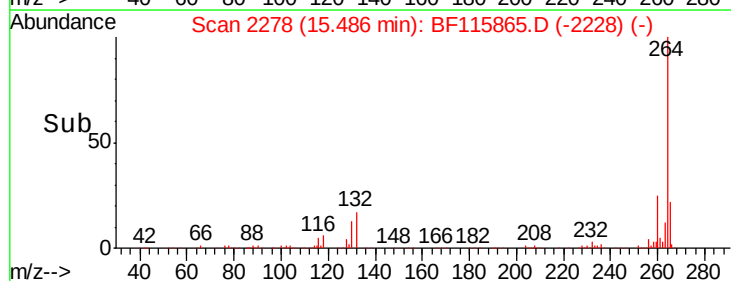
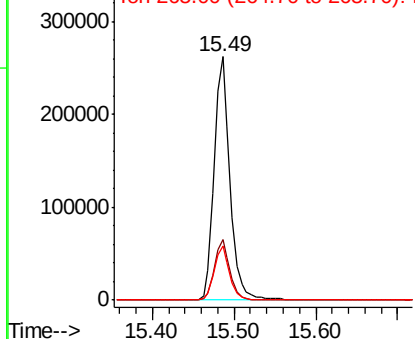


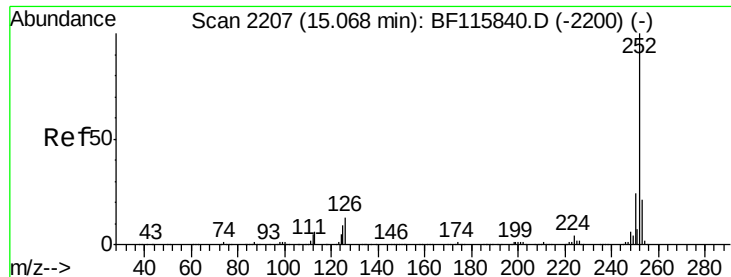
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BF115865.D
 Acq: 31 Jul 2019 14:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.2	17.5	26.3



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





#88

Benzo(b)fluoranthene

Concen: 7.609 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

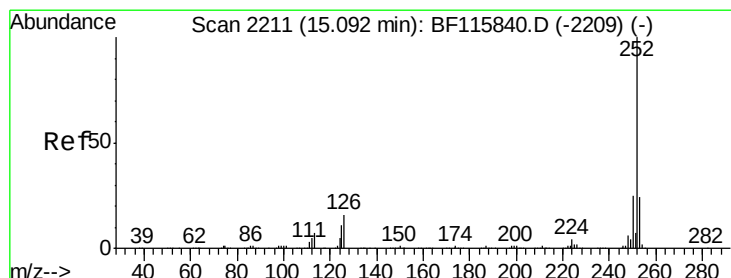
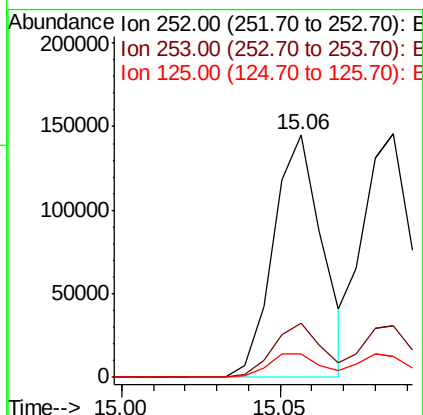
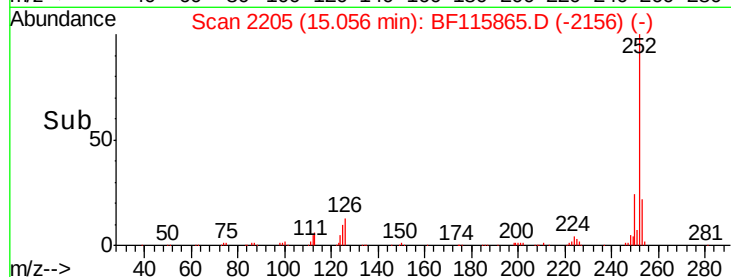
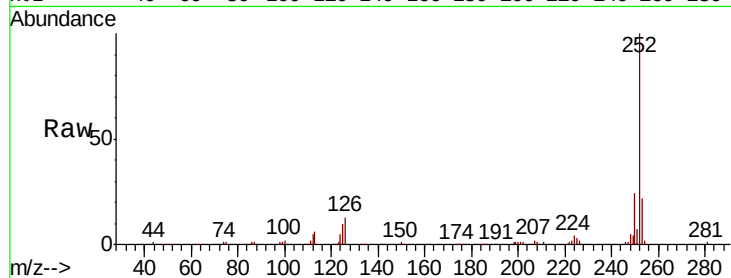
Tgt Ion:252 Resp: 155811

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 9.6 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 7.812 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.04 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

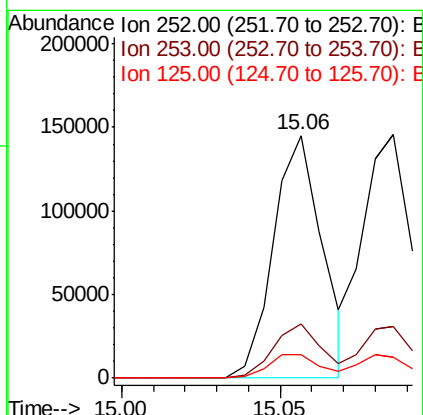
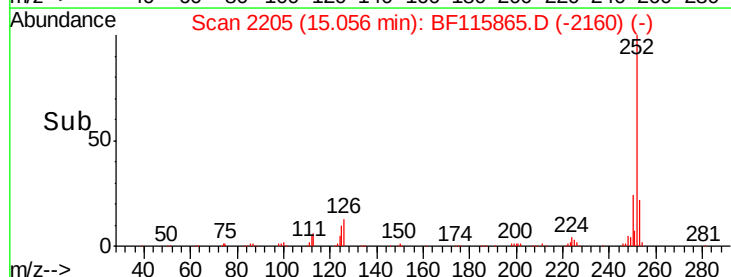
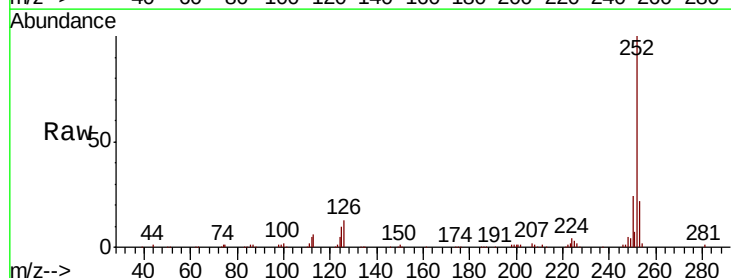
Tgt Ion:252 Resp: 155811

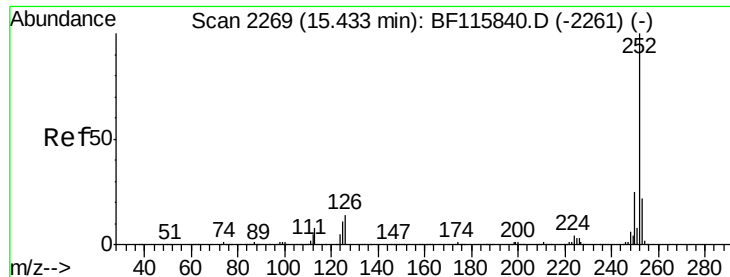
Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.4

125 9.6 8.9 13.3





#90

Benzo(a)pyrene

Concen: 7.936 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

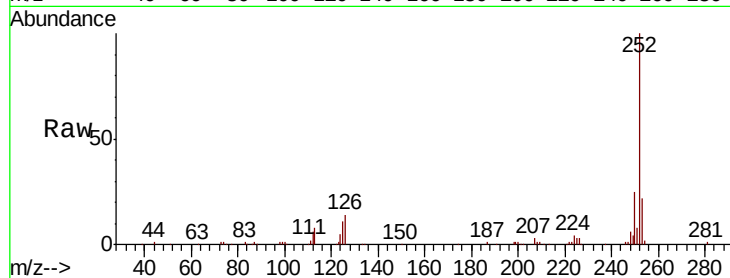
Tgt Ion:252 Resp: 145274

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 11.1 8.8 13.2

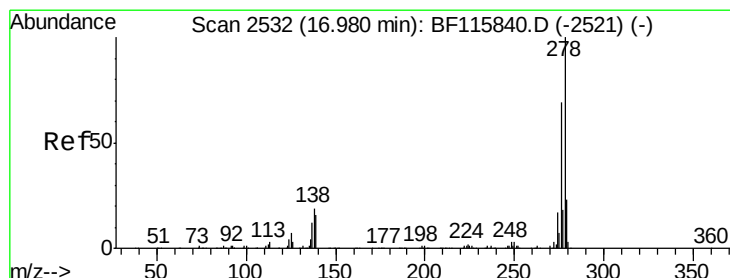
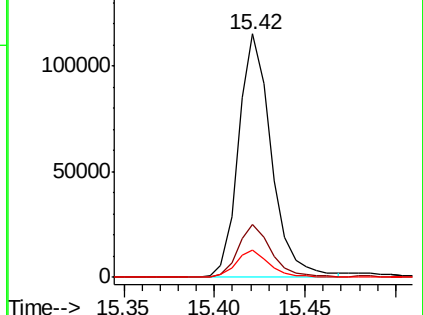
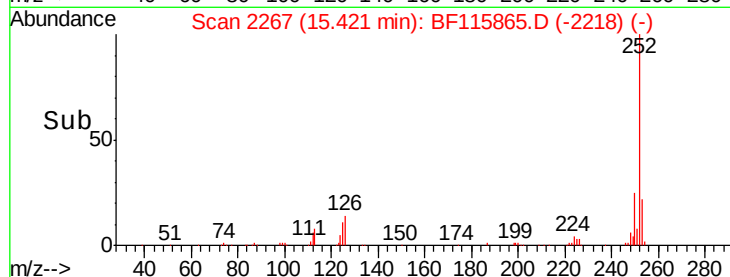


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 7.437 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

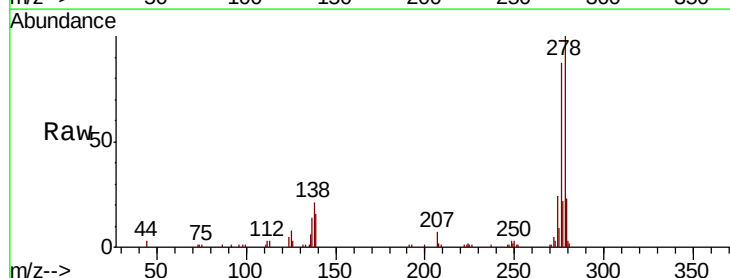
Tgt Ion:278 Resp: 117833

Ion Ratio Lower Upper

278 100

139 16.1 12.6 19.0

279 23.3 18.8 28.2

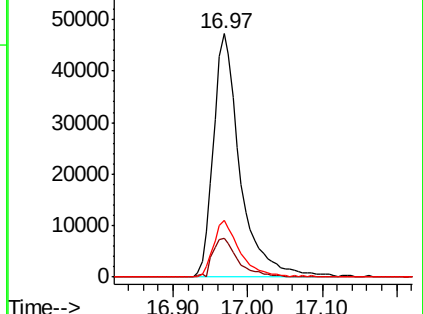
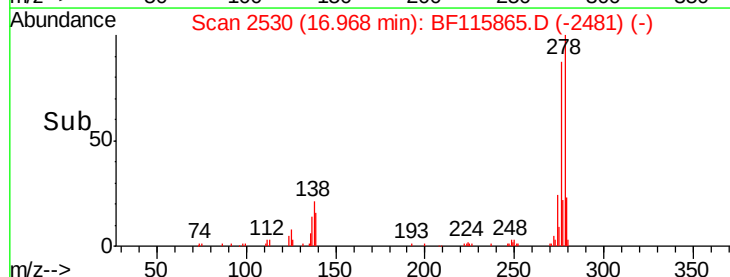


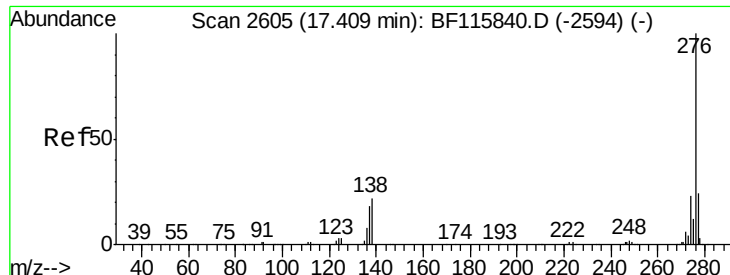
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 7.435 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.01 min

Lab File: BF115865.D

Acq: 31 Jul 2019 14:52

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT3-2019

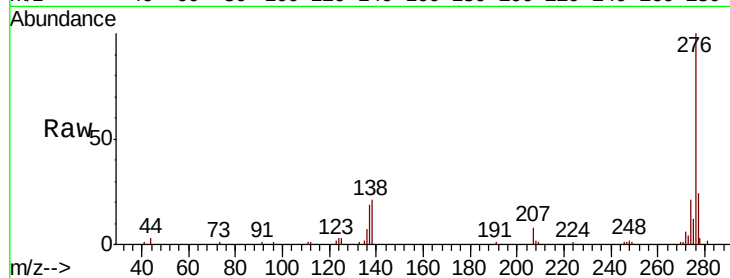
Tgt Ion:276 Resp: 115694

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 21.4 17.8 26.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

