

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111519\
 Data File : BF117796.D
 Acq On : 15 Nov 2019 10:08
 Operator : JU
 Sample : K5111-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Quant Time: Nov 15 16:33:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	285103	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	1150323	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	635810	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1231576	20.00	ng	0.00
76) Chrysene-d12	14.12	240	934480	20.00	ng	0.00
87) Perylene-d12	15.63	264	963436	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	2089880	129.75	ng	0.00
7) Phenol-d6	6.55	99	2515358	129.48	ng	0.00
23) Nitrobenzene-d5	7.49	82	1905944	98.49	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	917370	136.29	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	3397336	95.86	ng	0.00
79) Terphenyl-d14	13.06	244	4187942	81.91	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	53743	7.138	ng	99
3) Pyridine	3.53	79	129556	6.560	ng	97
4) n-Nitrosodimethylamine	3.42	42	63219	7.333	ng	96
6) Aniline	6.59	93	227966	8.880	ng	99
8) 2-Chlorophenol	6.71	128	147505	8.440	ng	98
9) Benzaldehyde	6.47	77	121692	5.886	ng	97
10) Phenol	6.56	94	166977	8.271	ng	94
11) bis(2-Chloroethyl)ether	6.66	93	139291	8.592	ng	99
12) 1,3-Dichlorobenzene	6.87	146	170572	8.290	ng	97
13) 1,4-Dichlorobenzene	6.95	146	170178	8.182	ng	99
14) 1,2-Dichlorobenzene	7.10	146	162177	8.153	ng	98
15) Benzyl Alcohol	7.06	79	110008	7.335	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.20	45	203992	8.173	ng	100
17) 2-Methylphenol	7.16	107	124094	8.384	ng	99
18) Hexachloroethane	7.45	117	60530	7.923	ng	98
19) n-Nitroso-di-n-propylamine	7.33	70	107777	8.993	ng	97
20) 3+4-Methylphenols	7.32	107	161886	8.811	ng	94
22) Acetophenone	7.33	105	219576	8.496	ng	98
24) Nitrobenzene	7.50	77	162805	8.155	ng	97
25) Isophorone	7.74	82	294206	8.295	ng	97
26) 2-Nitrophenol	7.82	139	74014	7.617	ng	95
27) 2,4-Dimethylphenol	7.85	122	132604	8.783	ng	100
28) bis(2-Chloroethoxy)methane	7.95	93	183996	8.175	ng	96
29) 2,4-Dichlorophenol	8.06	162	130771	7.985	ng	99
30) 1,2,4-Trichlorobenzene	8.15	180	149840	7.888	ng	98
31) Naphthalene	8.23	128	467569	8.719	ng	97
32) Benzoic acid	7.91	122	54585	4.318	ng	97
33) 4-Chloroaniline	8.27	127	196576	8.188	ng	99
34) Hexachlorobutadiene	8.35	225	85925	7.736	ng	96
35) Caprolactam	8.62	113	39802	7.647	ng	98
36) 4-Chloro-3-methylphenol	8.75	107	135893	8.176	ng	95
37) 2-Methylnaphthalene	8.93	142	324911	8.967	ng	96
38) 1-Methylnaphthalene	9.03	142	308278	8.999	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.09	216	144244	7.812	ng	99

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.08	237	80085	7.740	ng	99
43) 2,4,6-Trichlorophenol	9.20	196	94691	7.160	ng	98
44) 2,4,5-Trichlorophenol	9.24	196	103723	7.554	ng	97
46) 1,1'-Biphenyl	9.39	154	409795	8.687	ng	98
47) 2-Chloronaphthalene	9.42	162	306131	7.889	ng	99
48) 2-Nitroaniline	9.50	65	82521	7.044	ng	97
49) Acenaphthylene	9.83	152	495564	8.759	ng	98
50) Dimethylphthalate	9.69	163	369163	8.280	ng	98
51) 2,6-Dinitrotoluene	9.75	165	77075	7.910	ng	94
52) Acenaphthene	10.01	154	301676	8.324	ng	99
53) 3-Nitroaniline	9.92	138	82332	7.061	ng	98
54) 2,4-Dinitrophenol	10.02	184	23709	11.532	ng #	90
55) Dibenzofuran	10.18	168	445917	8.885	ng	94
56) 4-Nitrophenol	10.06	139	65745	7.554	ng	93
57) 2,4-Dinitrotoluene	10.15	165	96875	7.815	ng	92
58) Fluorene	10.52	166	342109	8.797	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.29	232	89965	7.974	ng	99
60) Diethylphthalate	10.39	149	364676	8.389	ng	98
61) 4-Chlorophenyl-phenylether	10.52	204	172935	8.762	ng	96
62) 4-Nitroaniline	10.53	138	83928	7.189	ng	93
63) Azobenzene	10.67	77	341024	8.623	ng	98
65) 4,6-Dinitro-2-methylphenol	10.56	198	38407	6.680	ng	78
66) n-Nitrosodiphenylamine	10.63	169	300399	8.381	ng	100
67) 4-Bromophenyl-phenylether	11.01	248	106817	8.038	ng	96
68) Hexachlorobenzene	11.07	284	124088	8.008	ng	92
69) Atrazine	11.15	200	88144	7.476	ng	97
70) Pentachlorophenol	11.26	266	62480	6.902	ng	97
71) Phenanthrene	11.49	178	532528	8.600	ng	97
72) Anthracene	11.54	178	550561	8.968	ng	97
73) Carbazole	11.69	167	473126	8.819	ng	98
74) Di-n-butylphthalate	12.03	149	588348	8.808	ng	98
75) Fluoranthene	12.68	202	548827	2.652	ng	99
77) Benzidine	12.80	184	269885	8.817	ng	96
78) Pyrene	12.91	202	560943	7.428	ng	98
80) Butylbenzylphthalate	13.53	149	233146	7.188	ng	97
81) Benzo(a)anthracene	14.10	228	495062	8.017	ng	98
82) 3,3'-Dichlorobenzidine	14.06	252	188712	8.737	ng	99
83) Chrysene	14.14	228	477937	7.987	ng	98
84) Bis(2-ethylhexyl)phthalate	14.09	149	341753	8.691	ng	97
85) Di-n-octyl phthalate	14.71	149	545080	9.435	ng	100
86) Indeno(1,2,3-cd)pyrene	17.15	276	404520	7.943	ng	100
88) Benzo(b)fluoranthene	15.17	252	448457	7.164	ng	99
89) Benzo(k)fluoranthene	15.20	252	471143	7.988	ng	99
90) Benzo(a)pyrene	15.56	252	396426	7.202	ng	98
91) Dibenzo(a,h)anthracene	17.17	278	345054	7.283	ng	99
92) Benzo(g,h,i)perylene	17.61	276	326453	6.918	ng	99

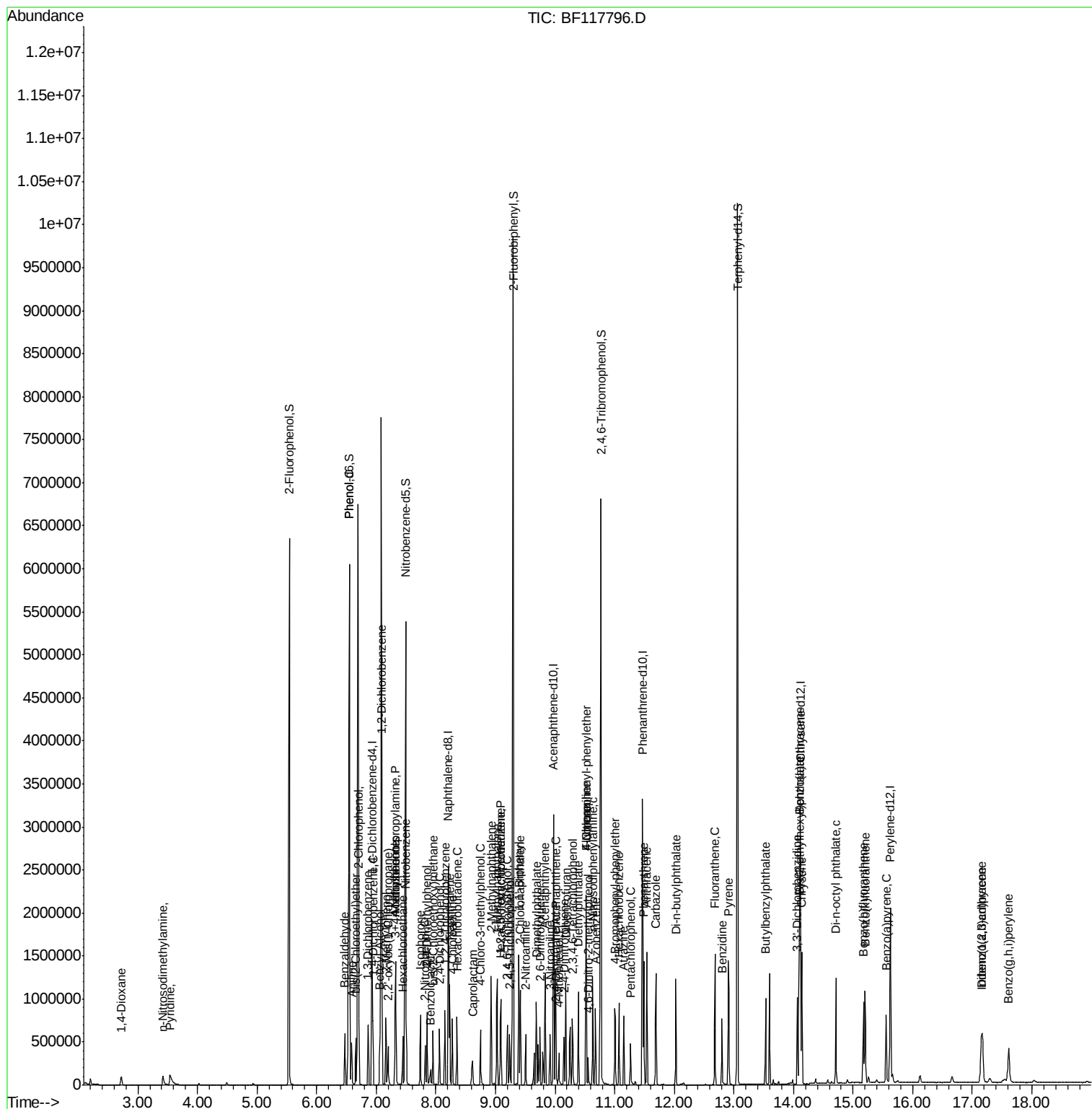
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F

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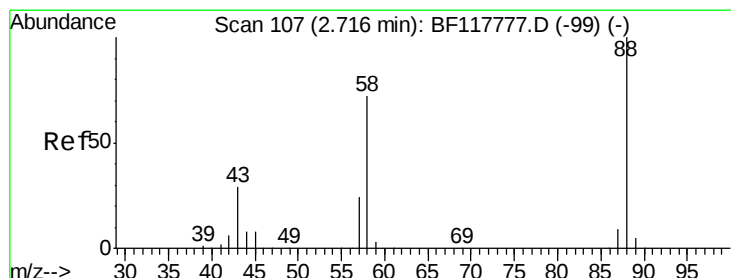
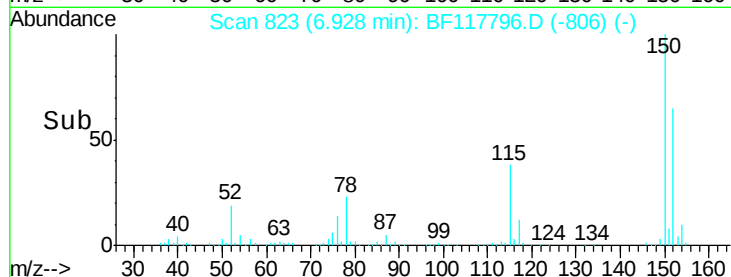
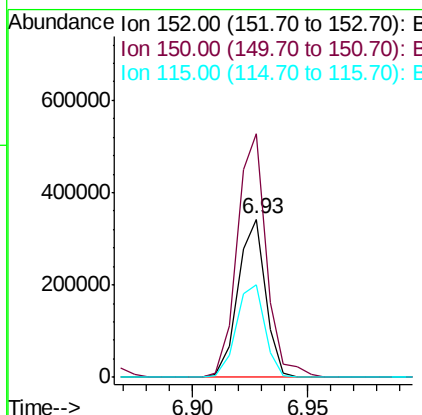
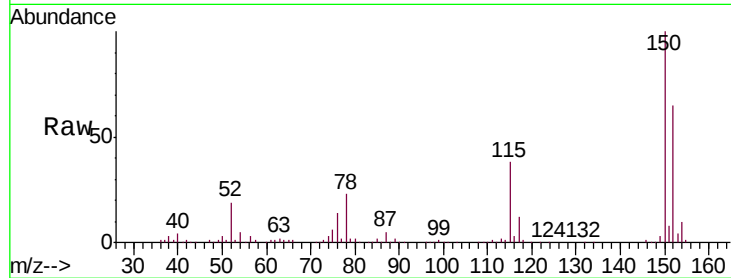




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

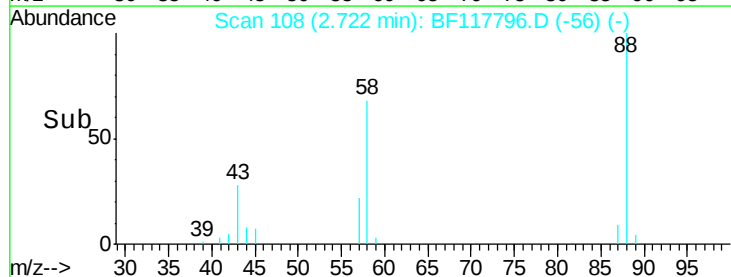
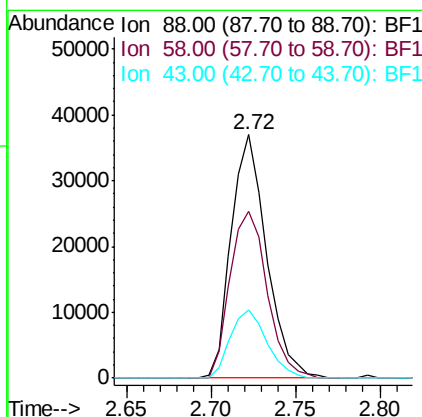
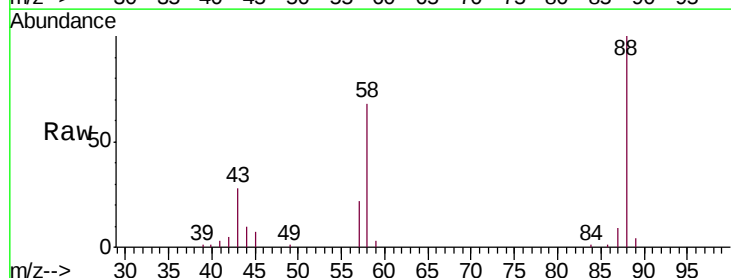
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

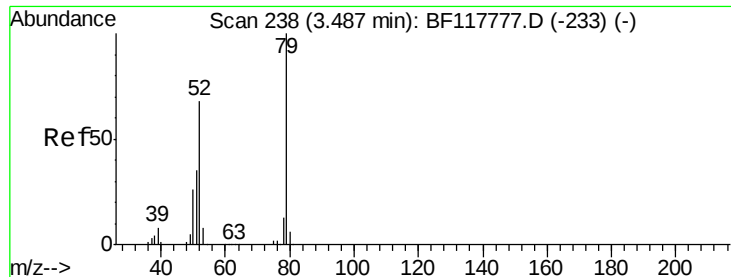
Tgt Ion:152 Resp: 285103
 Ion Ratio Lower Upper
 152 100
 150 153.9 125.3 187.9
 115 58.8 47.0 70.4



#2
 1,4-Dioxane
 Concen: 7.138 ng
 RT: 2.72 min Scan# 108
 Delta R.T. 0.01 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Tgt Ion: 88 Resp: 53743
 Ion Ratio Lower Upper
 88 100
 58 71.9 58.2 87.2
 43 29.0 23.3 34.9





#3

Pyridine

Concen: 6.560 ng

RT: 3.53 min Scan# 246

Delta R.T. 0.05 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

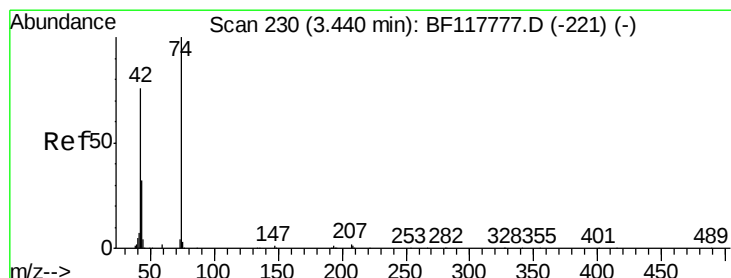
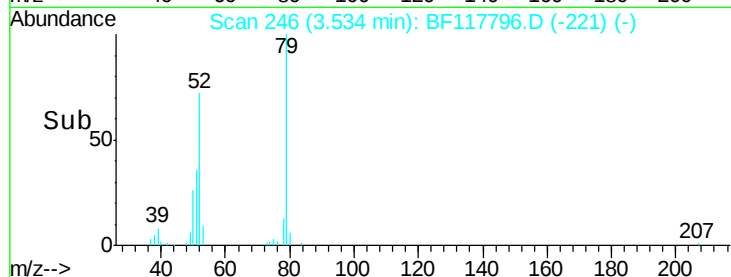
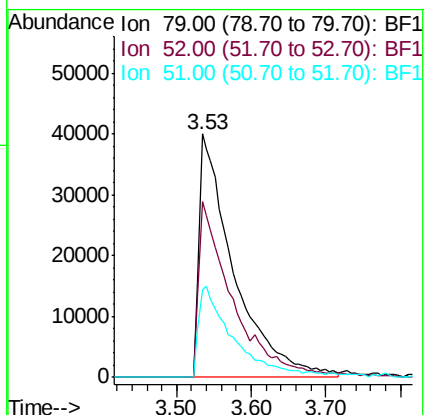
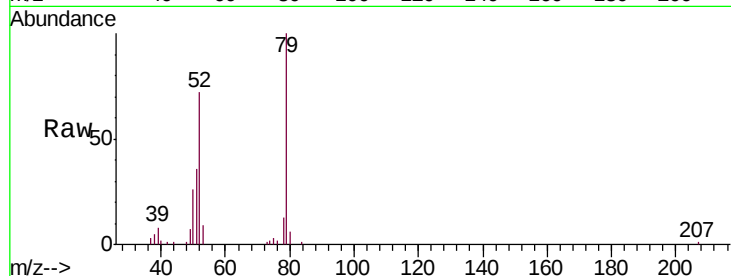
Tgt Ion: 79 Resp: 129556

Ion Ratio Lower Upper

79 100

52 72.1 54.8 82.2

51 35.9 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 7.333 ng

RT: 3.42 min Scan# 227

Delta R.T. -0.02 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

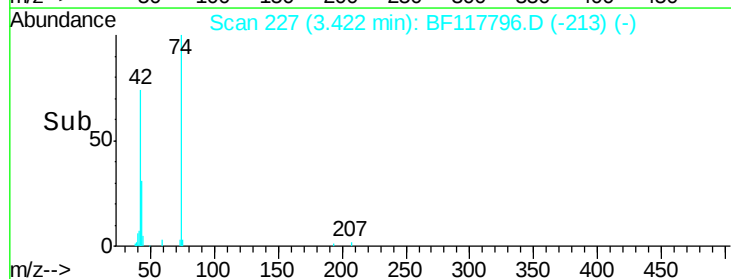
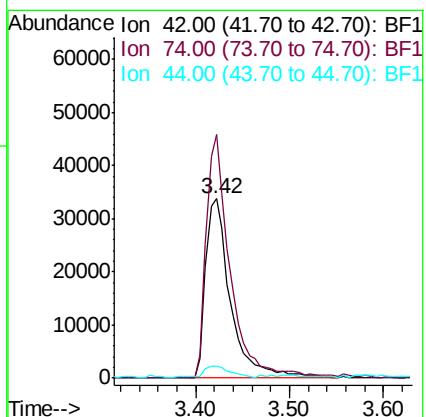
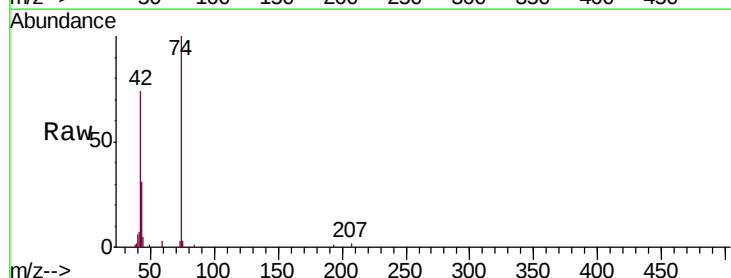
Tgt Ion: 42 Resp: 63219

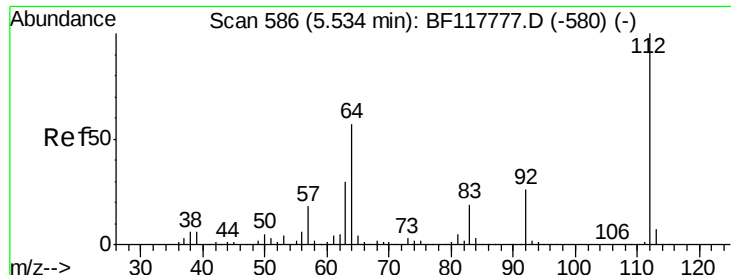
Ion Ratio Lower Upper

42 100

74 135.8 105.1 157.7

44 6.9 4.6 7.0





#5

2-Fluorophenol

Concen: 129.753 ng

RT: 5.54 min Scan# 587

Delta R.T. 0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

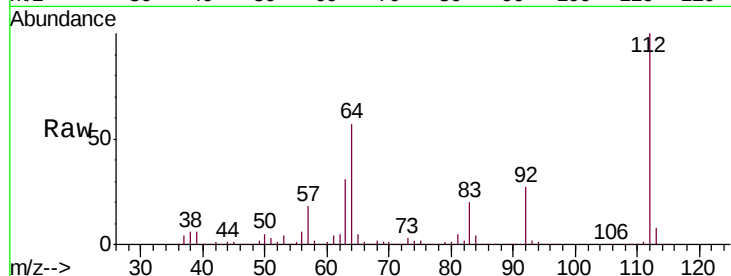
Tgt Ion: 112 Resp: 2089880

Ion Ratio Lower Upper

112 100

64 57.2 45.6 68.4

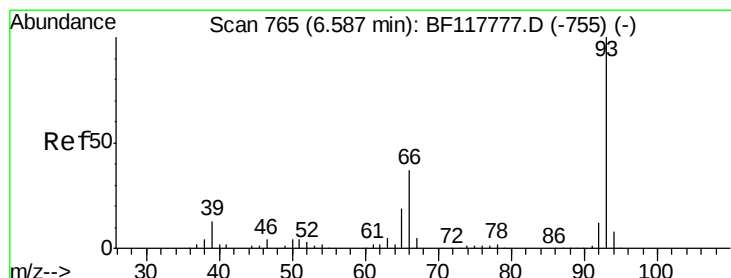
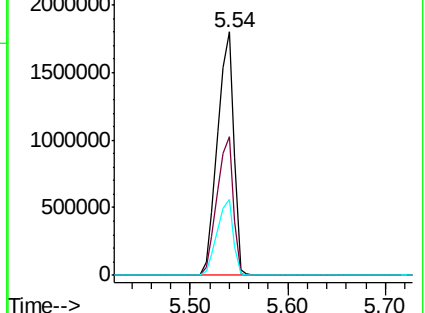
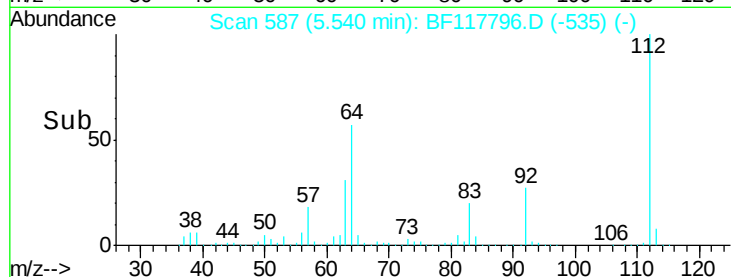
63 31.3 24.1 36.1



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.880 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

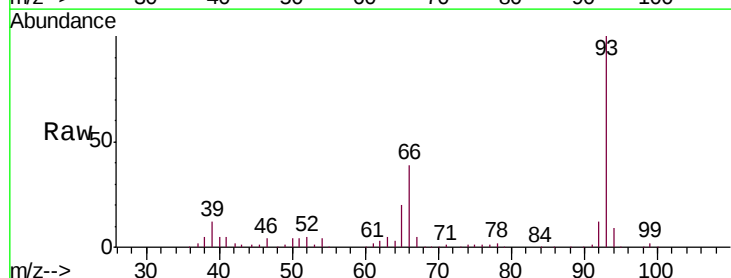
Tgt Ion: 93 Resp: 227966

Ion Ratio Lower Upper

93 100

66 39.2 30.6 45.8

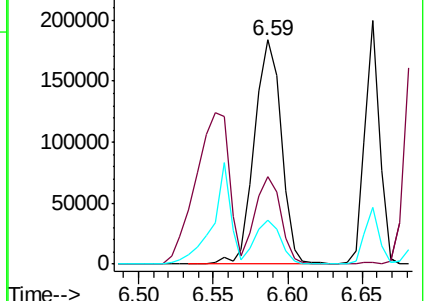
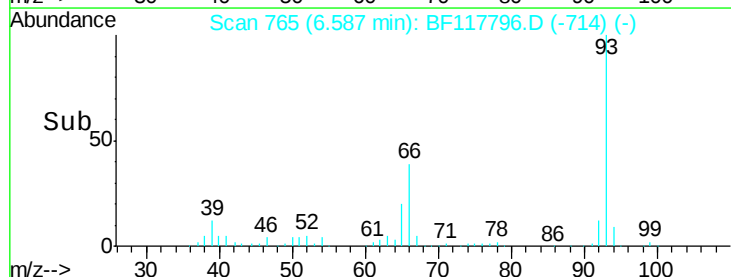
65 19.8 15.6 23.4

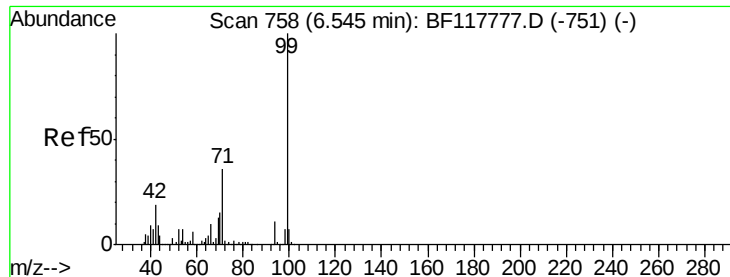


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 129.477 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

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MDL-MDL-SOIL-03-QT4-2019

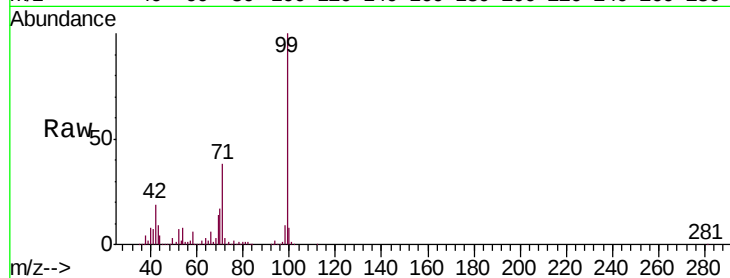
Tgt Ion: 99 Resp: 2515358

Ion Ratio Lower Upper

99 100

42 19.2 14.9 22.3

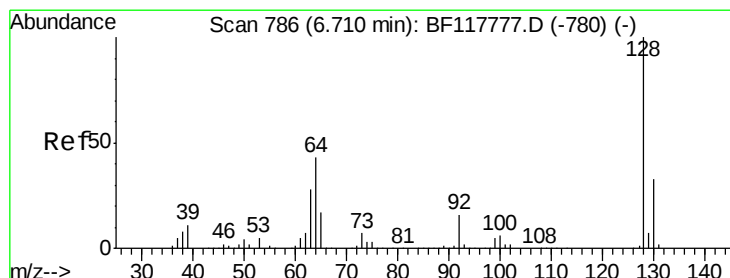
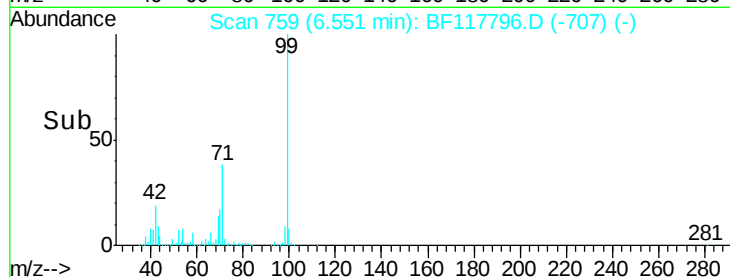
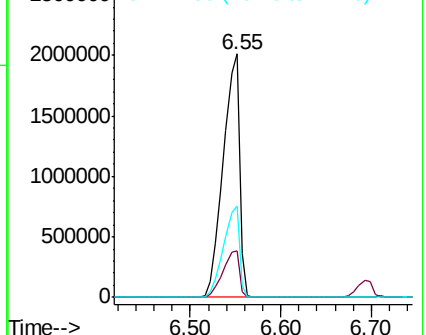
71 37.7 28.6 43.0



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: 8.440 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

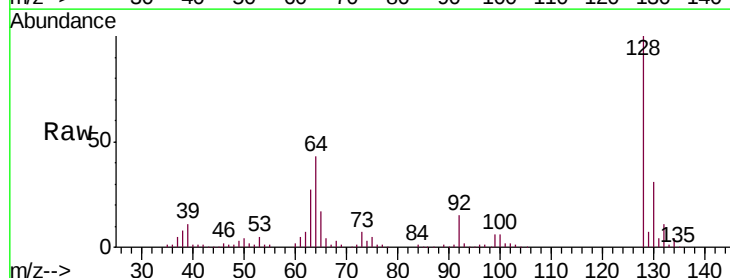
Tgt Ion: 128 Resp: 147505

Ion Ratio Lower Upper

128 100

130 31.5 13.2 53.2

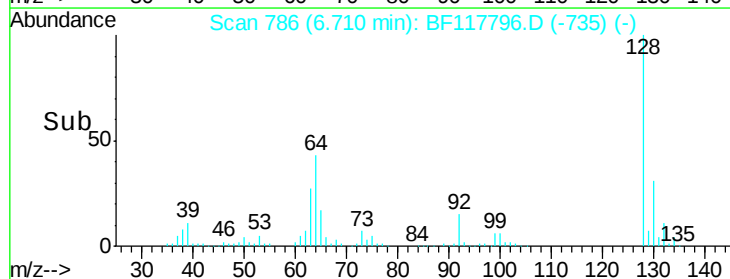
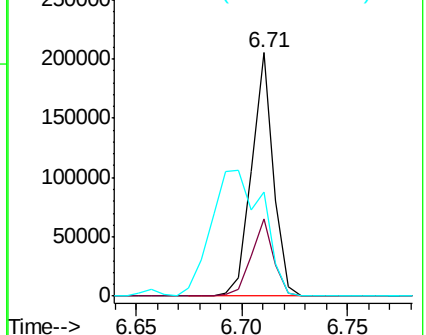
64 42.8 23.7 63.7

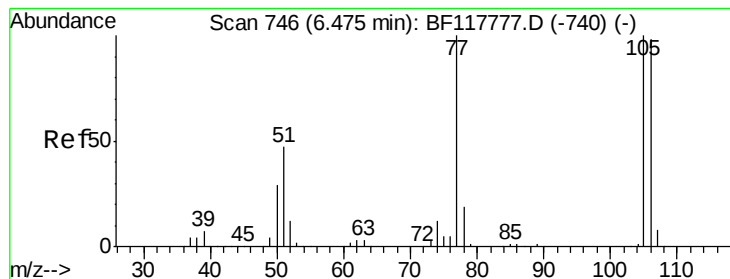


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 5.886 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

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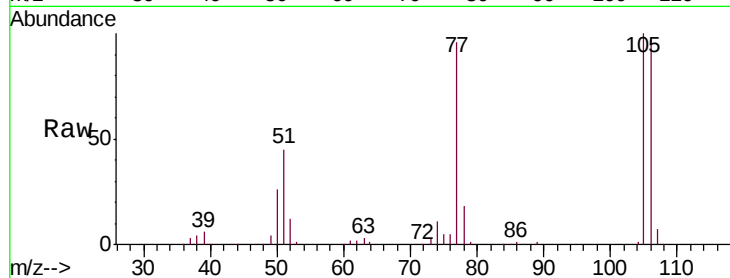
Tgt Ion: 77 Resp: 121692

Ion Ratio Lower Upper

77 100

105 104.0 80.2 120.2

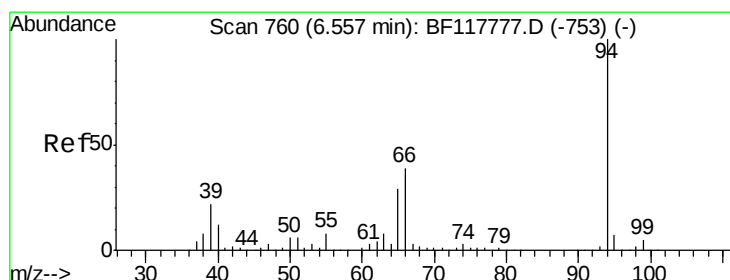
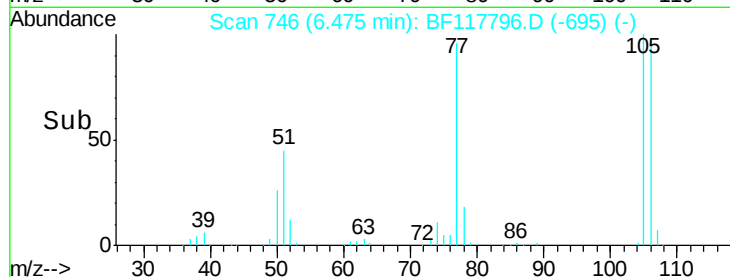
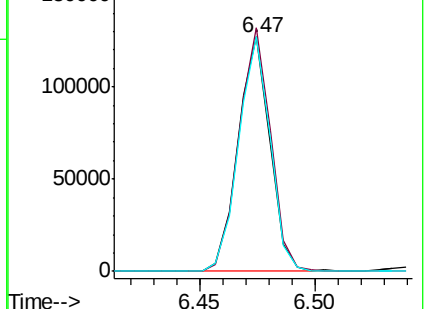
106 100.5 78.4 118.4



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: 8.271 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

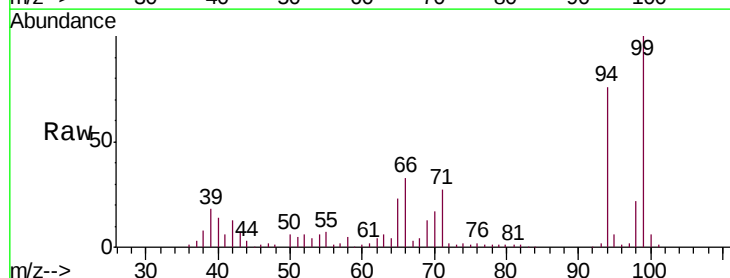
Tgt Ion: 94 Resp: 166977

Ion Ratio Lower Upper

94 100

65 30.3 8.9 48.9

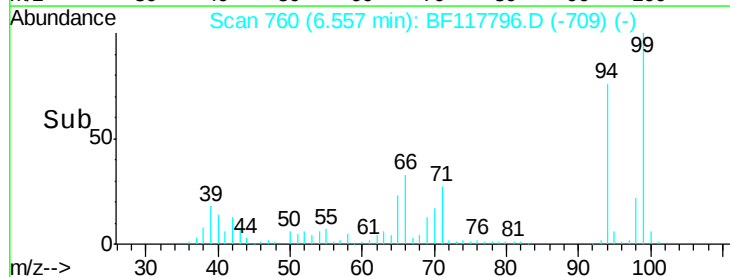
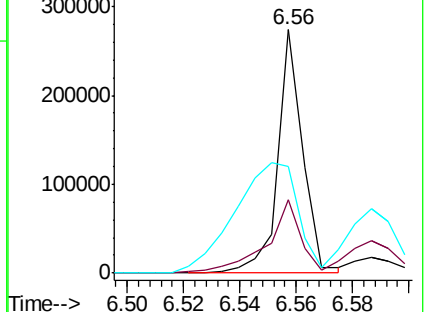
66 44.0 18.7 58.7

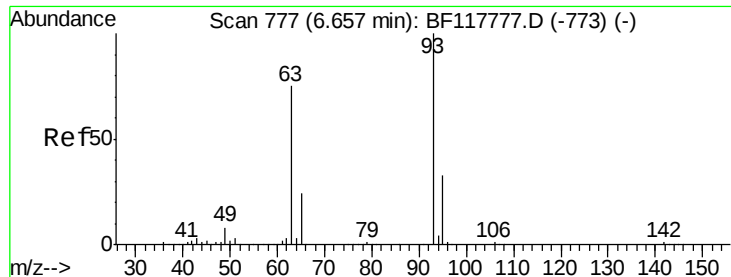


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



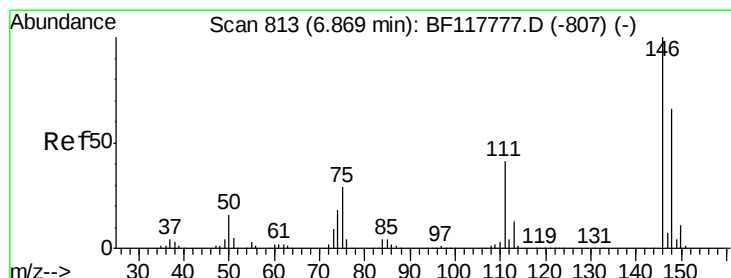
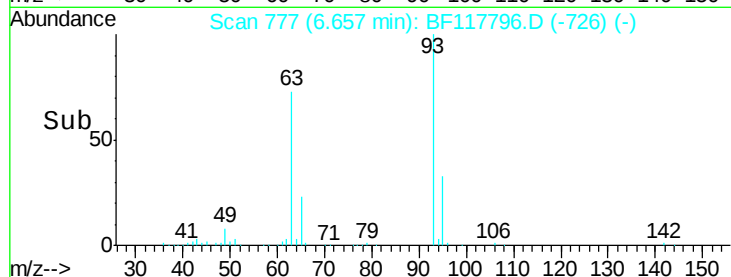
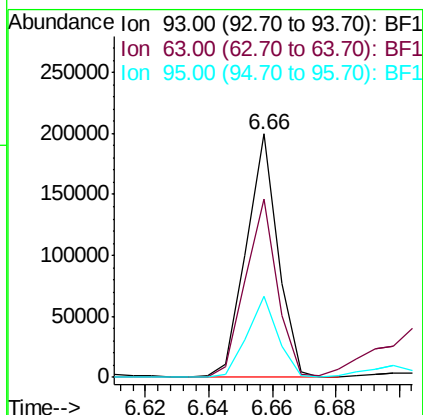
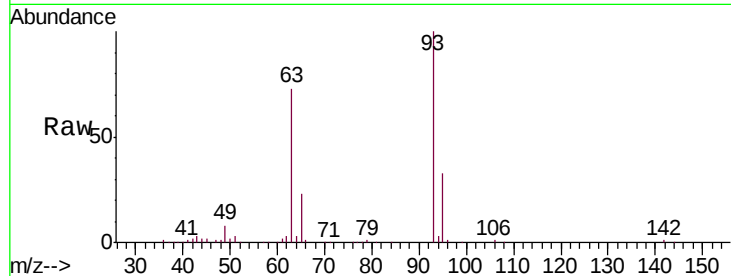


#11
bis(2-Chloroethyl)ether
Concen: 8.592 ng
RT: 6.66 min Scan# 777
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion: 93 Resp: 139291

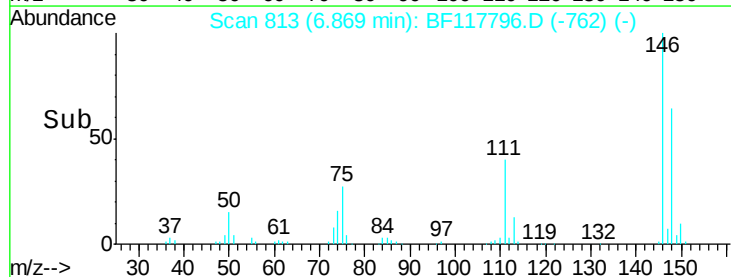
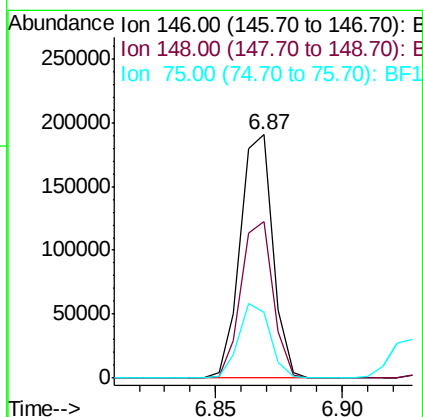
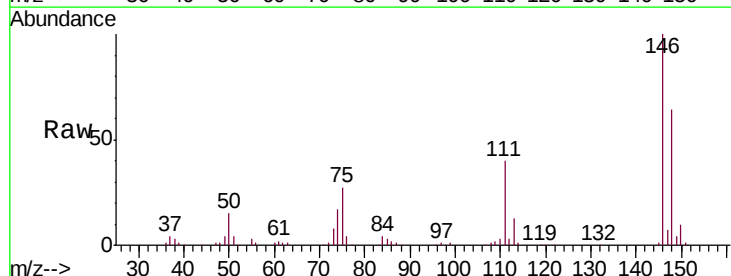
Ion	Ratio	Lower	Upper
93	100		
63	73.4	54.8	94.8
95	33.1	12.7	52.7

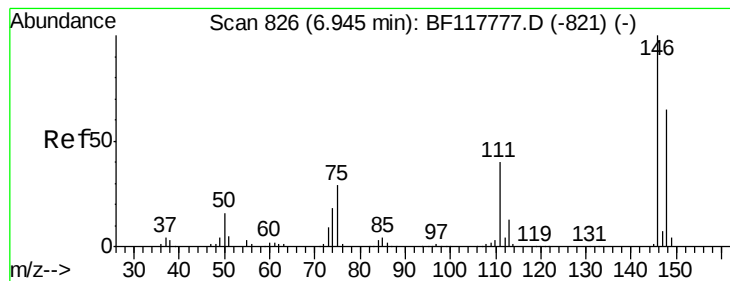


#12
1,3-Dichlorobenzene
Concen: 8.290 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion: 146 Resp: 170572

Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.8	79.2
75	26.9	23.4	35.0





#13

1,4-Dichlorobenzene

Concen: 8.182 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

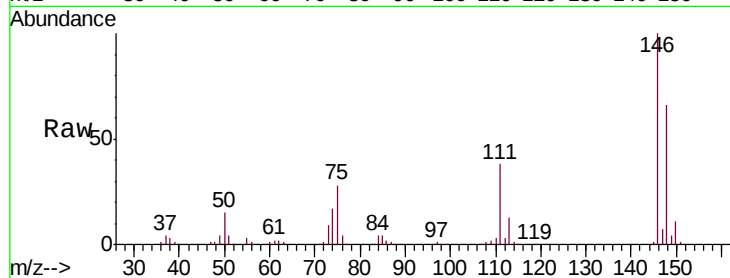
Tgt Ion:146 Resp: 170178

Ion Ratio Lower Upper

146 100

148 65.7 52.3 78.5

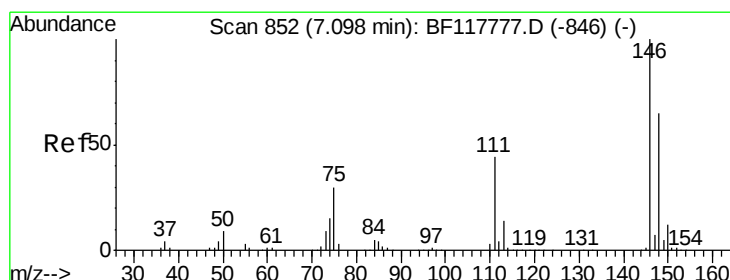
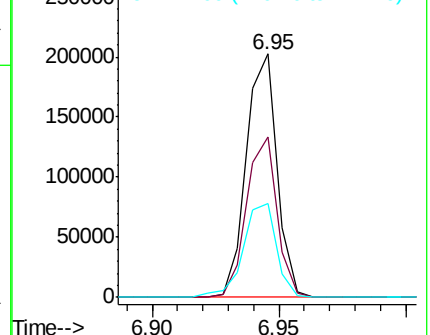
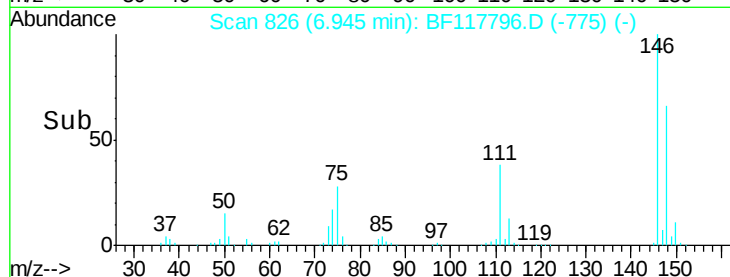
111 38.4 32.2 48.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 8.153 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

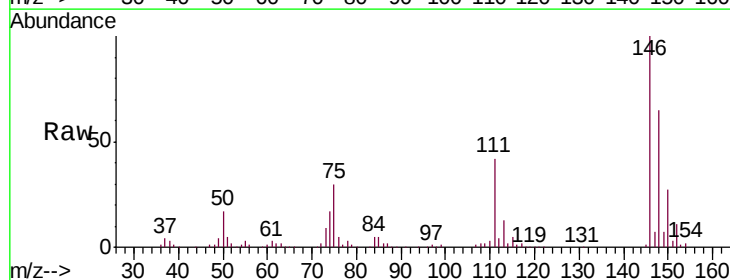
Tgt Ion:146 Resp: 162177

Ion Ratio Lower Upper

146 100

148 65.4 51.8 77.8

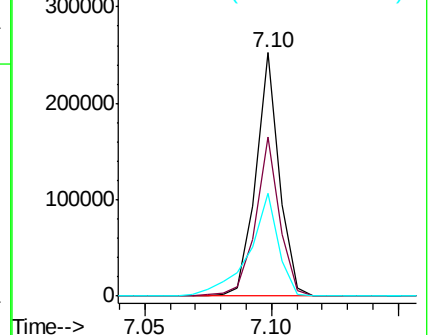
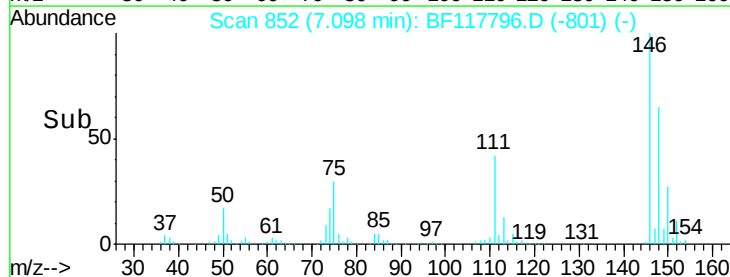
111 42.0 35.0 52.6

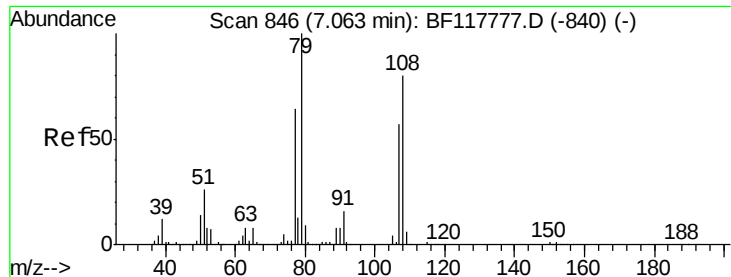


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 7.335 ng

RT: 7.06 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

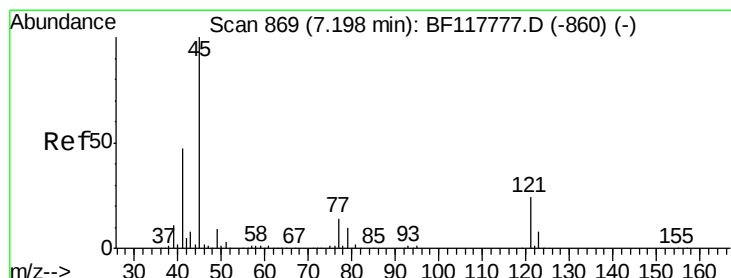
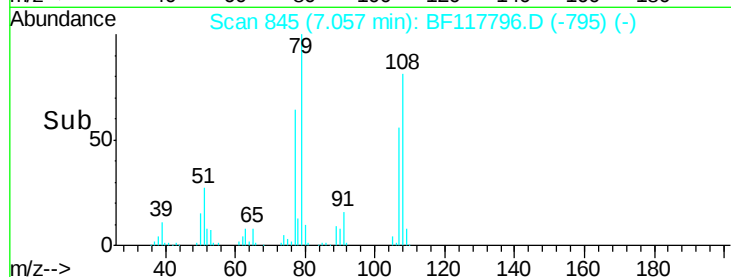
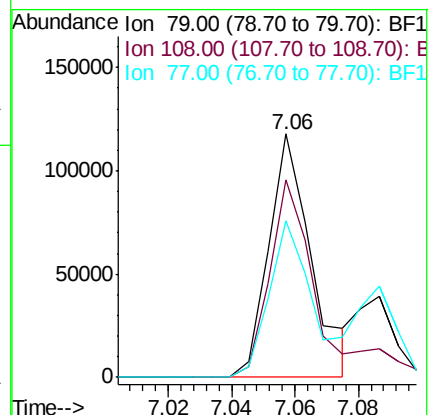
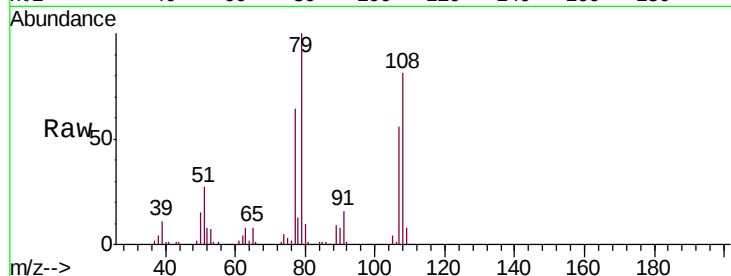
Tgt Ion: 79 Resp: 110008

Ion Ratio Lower Upper

79 100

108 81.2 64.1 96.1

77 64.3 51.3 76.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.173 ng

RT: 7.20 min Scan# 869

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

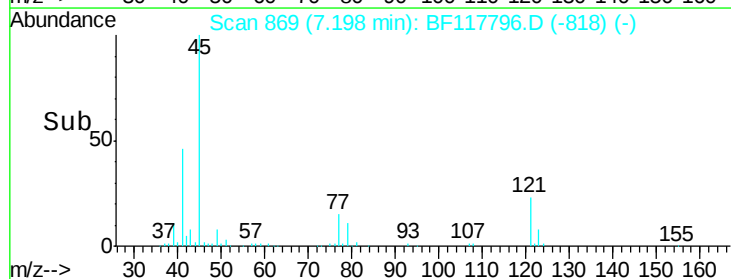
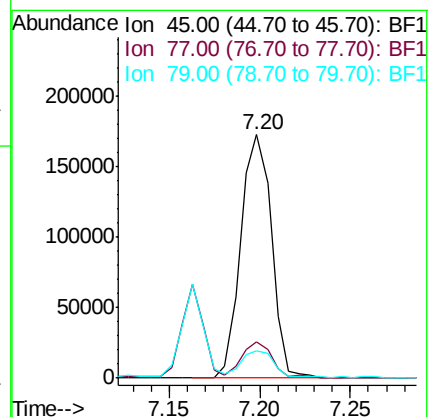
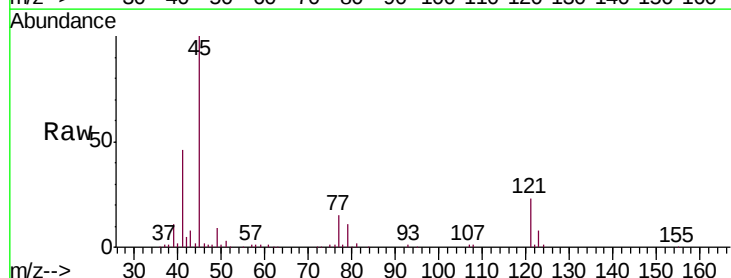
Tgt Ion: 45 Resp: 203992

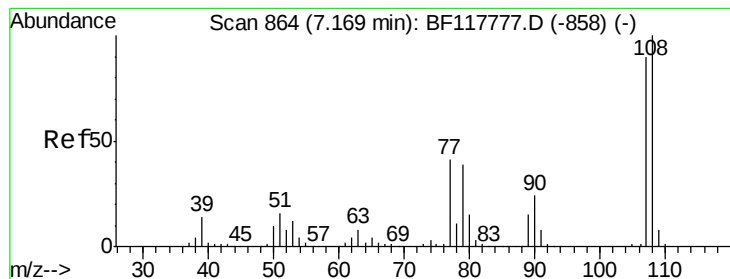
Ion Ratio Lower Upper

45 100

77 14.8 0.0 35.0

79 11.2 0.0 31.1





#17

2-Methylphenol

Concen: 8.384 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:107 Resp: 124094

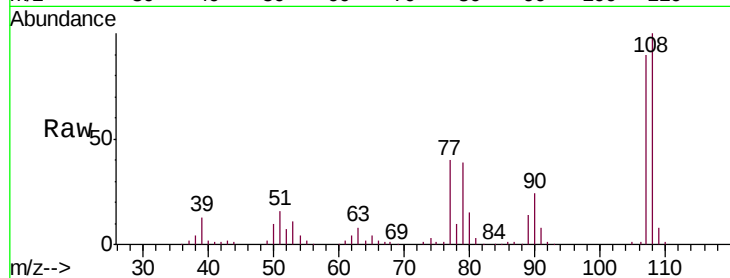
Ion Ratio Lower Upper

107 100

108 110.6 89.1 133.7

77 44.1 36.6 54.8

79 43.7 35.2 52.8

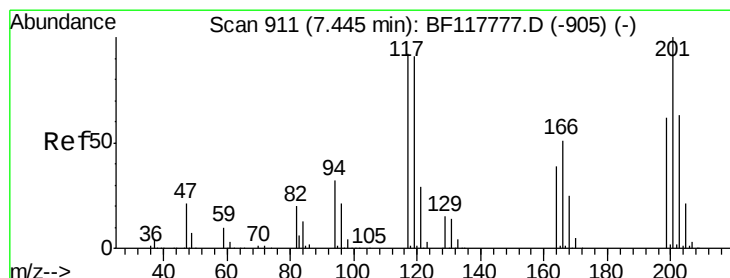
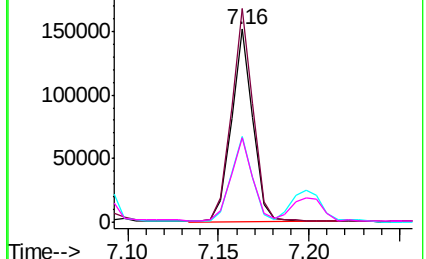
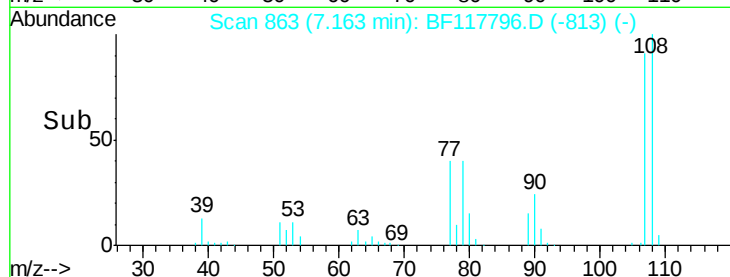


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 7.923 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

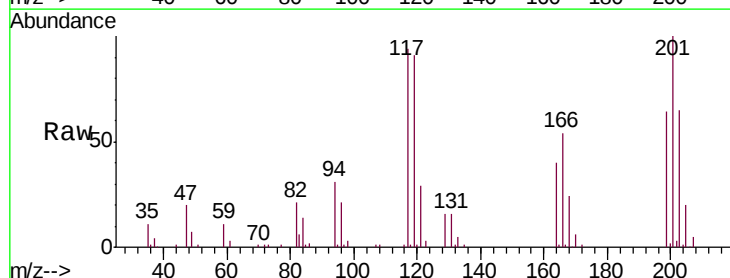
Tgt Ion:117 Resp: 60530

Ion Ratio Lower Upper

117 100

119 96.6 78.7 118.1

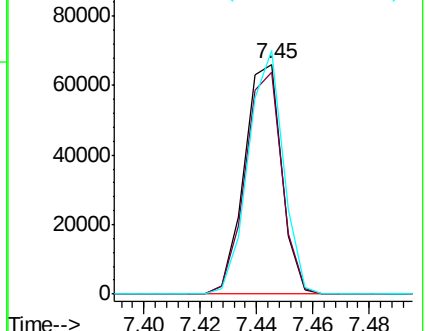
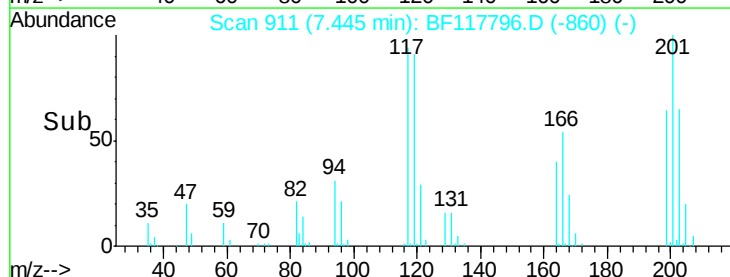
201 106.0 86.5 129.7

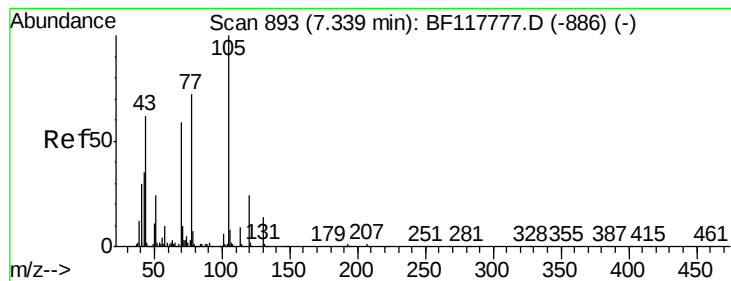


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 8.993 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tgt Ion: 70 Resp: 107777

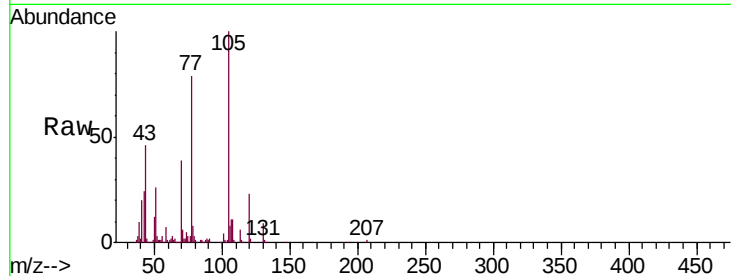
Ion Ratio Lower Upper

70 100

42 61.5 47.4 71.2

101 9.8 8.4 12.6

130 22.1 18.8 28.2

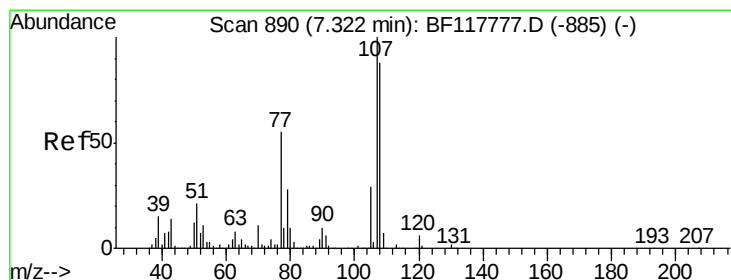
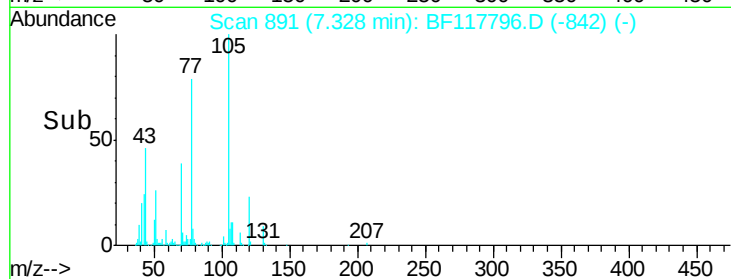
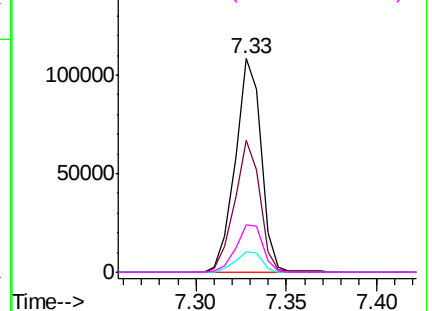


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 8.811 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Tgt Ion: 107 Resp: 161886

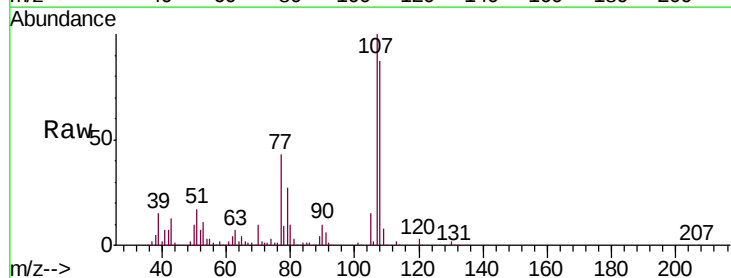
Ion Ratio Lower Upper

107 100

108 87.2 68.4 108.4

77 43.4 35.2 75.2

79 26.8 8.6 48.6

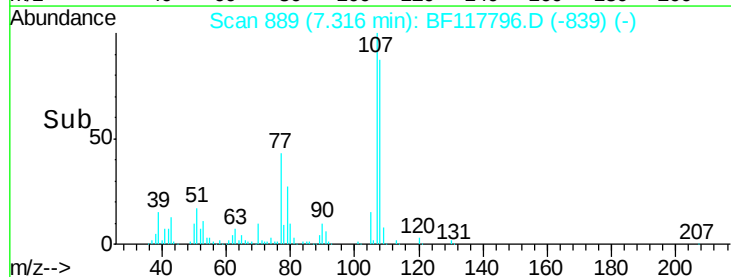
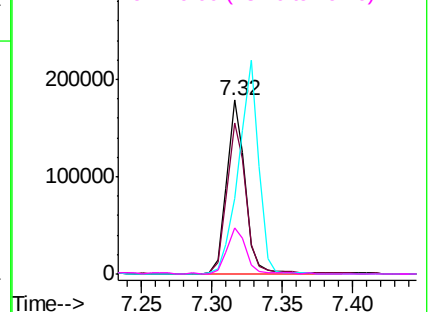


Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



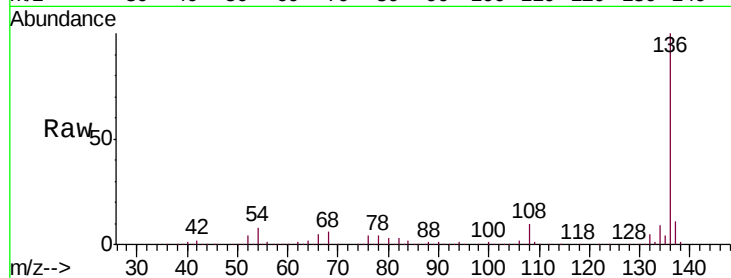


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

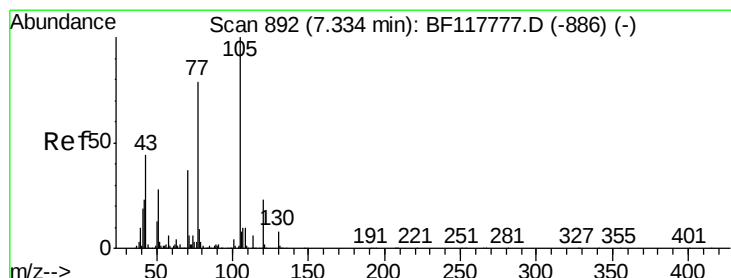
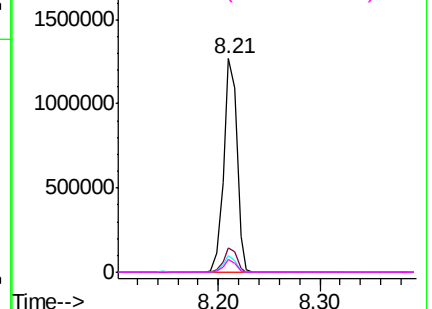
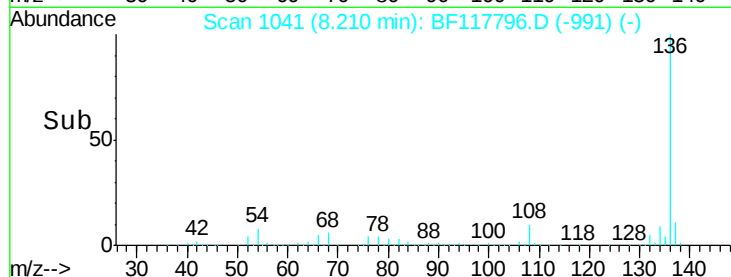
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:136 Resp: 1150323

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.8	5.4	8.2
68	5.7	4.3	6.5



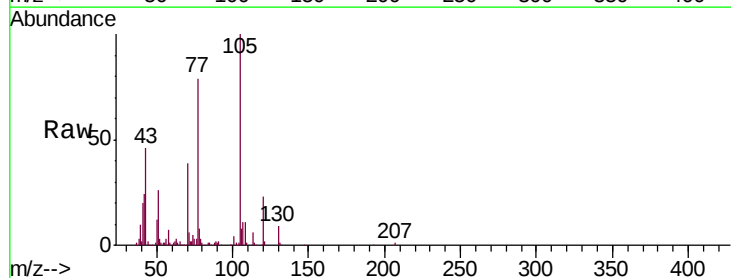
Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



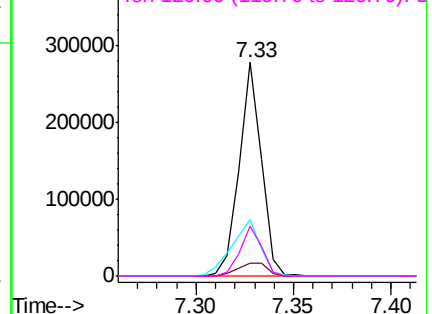
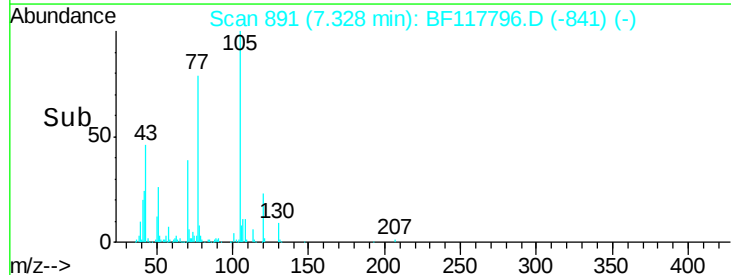
#22
Acetophenone
Concen: 8.496 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

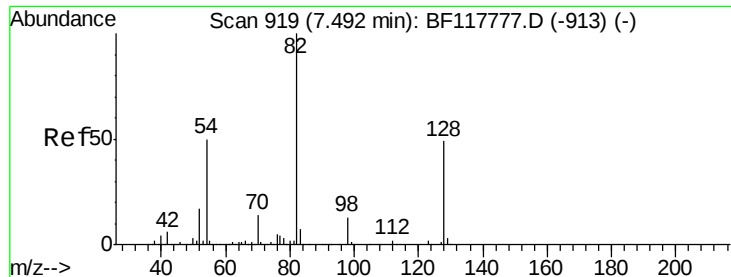
Tgt Ion:105 Resp: 219576

Ion	Ratio	Lower	Upper
105	100		
71	6.3	4.9	7.3
51	26.4	22.7	34.1
120	23.2	18.5	27.7



Abundance Ion 105.00 (104.70 to 105.70): E
400000
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

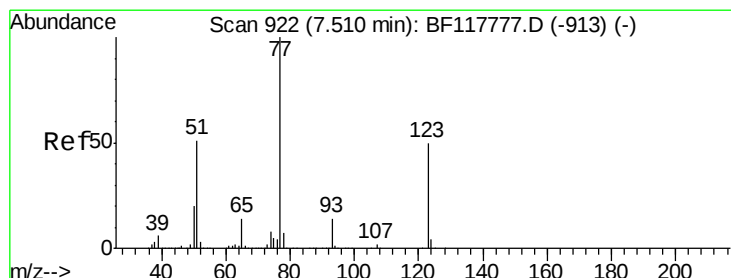
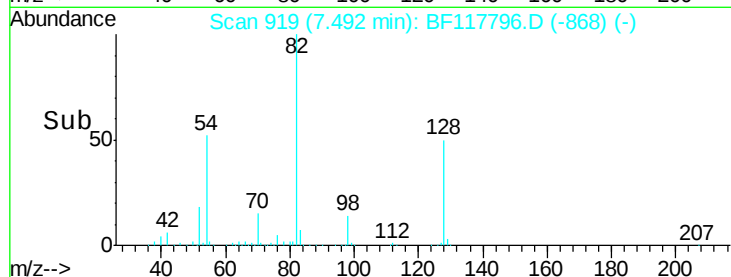
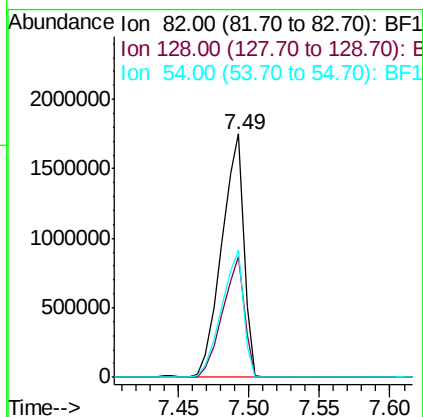
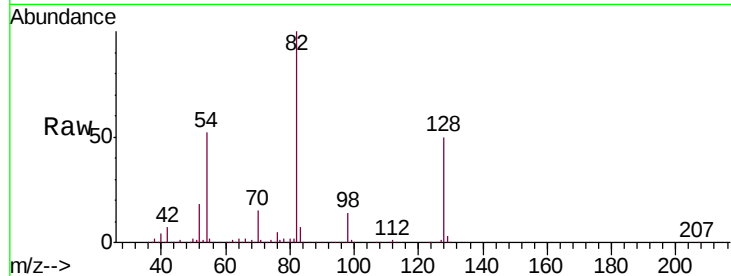




#23
 Nitrobenzene-d5
 Concen: 98.495 ng
 RT: 7.49 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

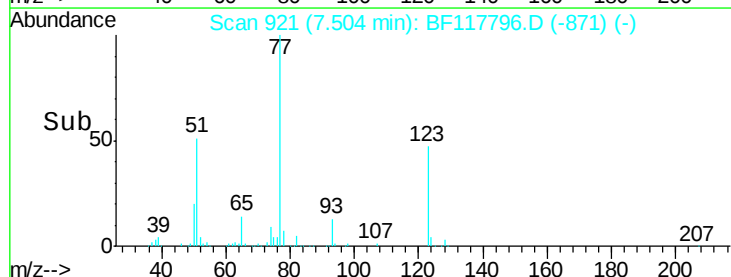
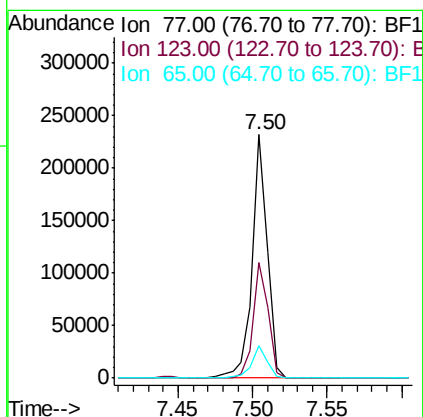
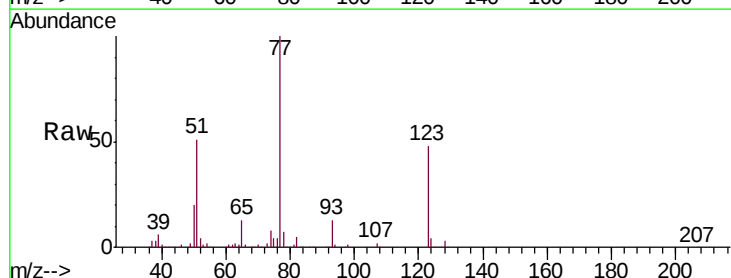
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

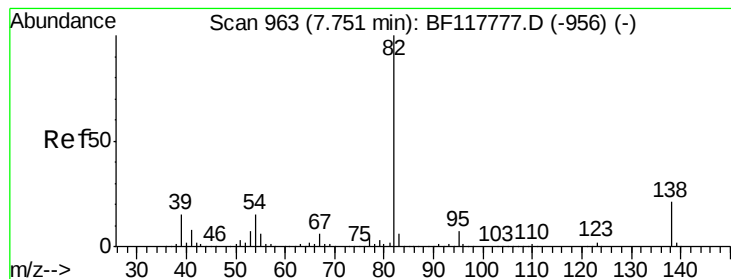
Tgt Ion: 82 Resp: 1905944
 Ion Ratio Lower Upper
 82 100
 128 49.8 38.9 58.3
 54 52.1 39.8 59.6



#24
 Nitrobenzene
 Concen: 8.155 ng
 RT: 7.50 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Tgt Ion: 77 Resp: 162805
 Ion Ratio Lower Upper
 77 100
 123 47.7 40.3 60.5
 65 13.2 10.9 16.3





#25

Isophorone

Concen: 8.295 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

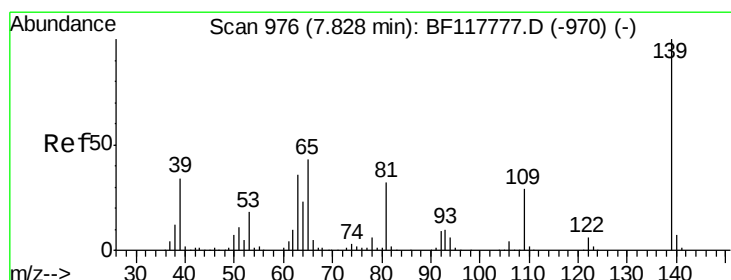
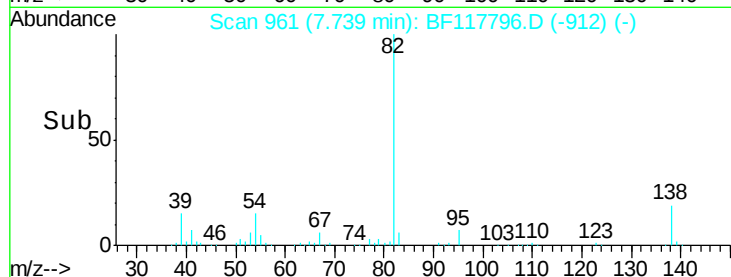
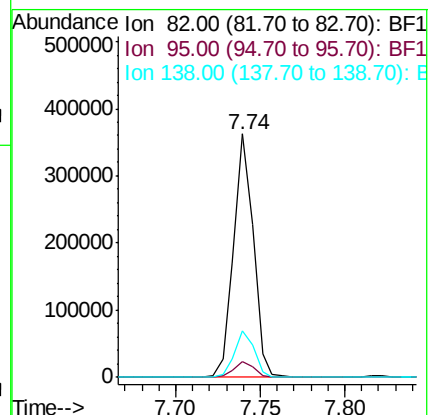
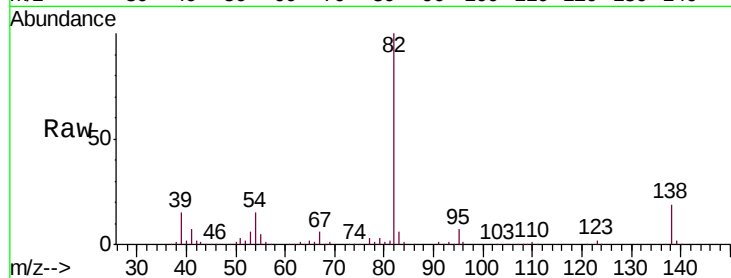
Tgt Ion: 82 Resp: 294206

Ion Ratio Lower Upper

82 100

95 6.7 5.8 8.8

138 18.9 16.5 24.7



#26

2-Nitrophenol

Concen: 7.617 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

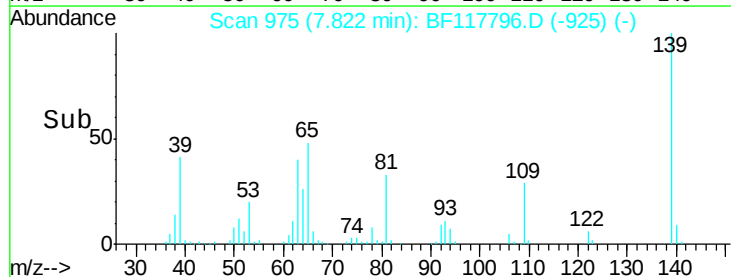
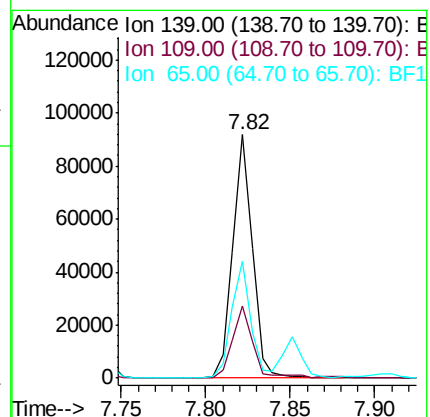
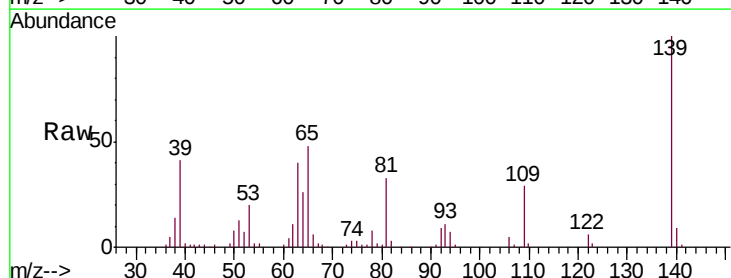
Tgt Ion: 139 Resp: 74014

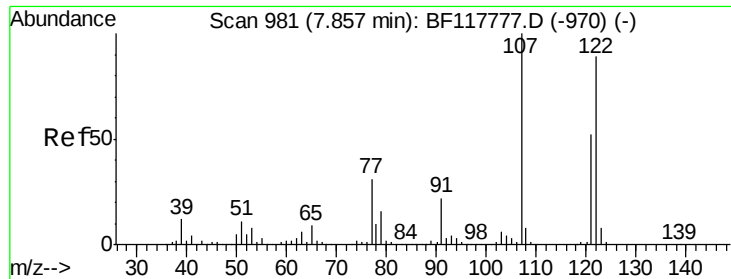
Ion Ratio Lower Upper

139 100

109 29.4 23.0 34.4

65 47.9 34.7 52.1





#27

2,4-Dimethylphenol

Concen: 8.783 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

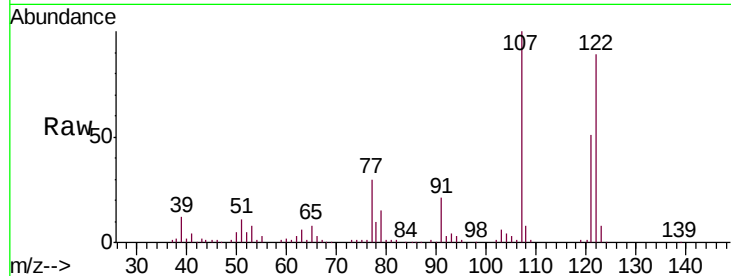
Tgt Ion:122 Resp: 132604

Ion Ratio Lower Upper

122 100

107 112.6 90.0 135.0

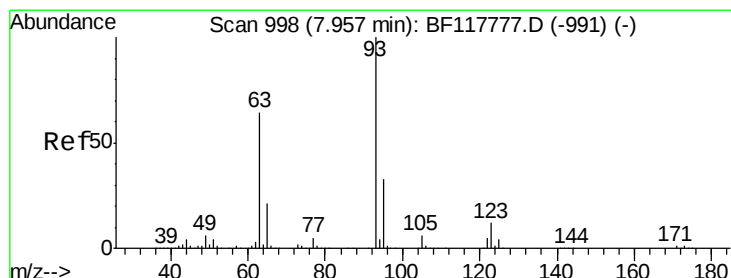
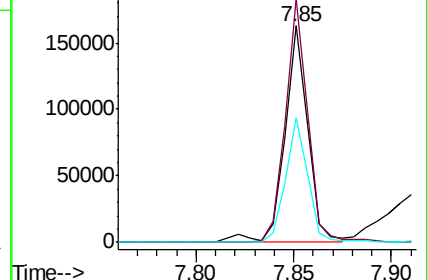
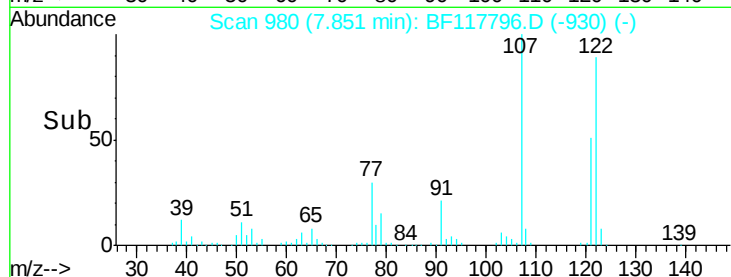
121 57.8 46.7 70.1



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: 8.175 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

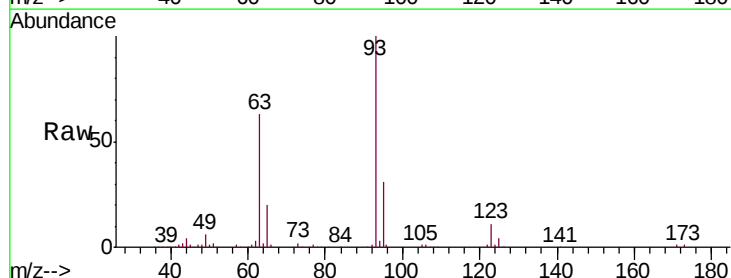
Tgt Ion: 93 Resp: 183996

Ion Ratio Lower Upper

93 100

95 31.4 26.6 40.0

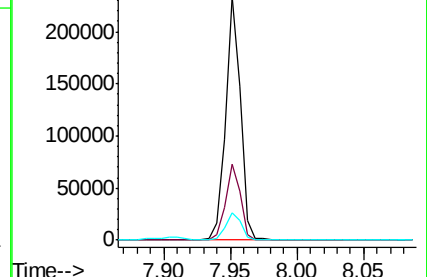
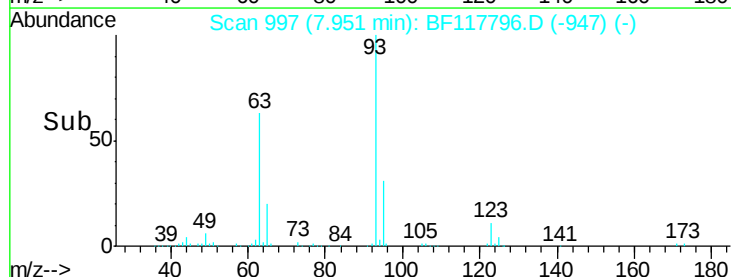
123 11.2 10.3 15.5

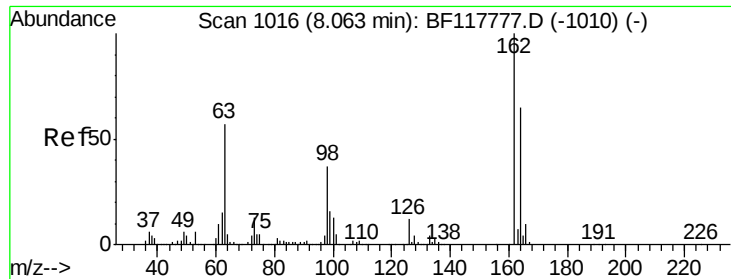


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

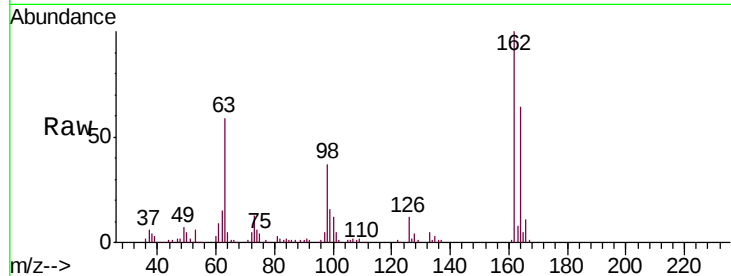




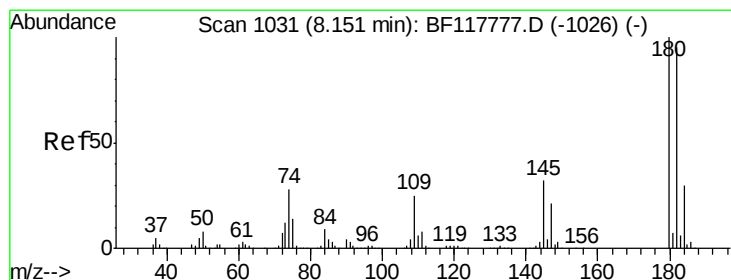
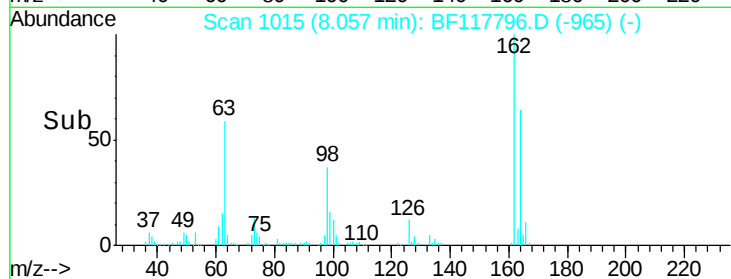
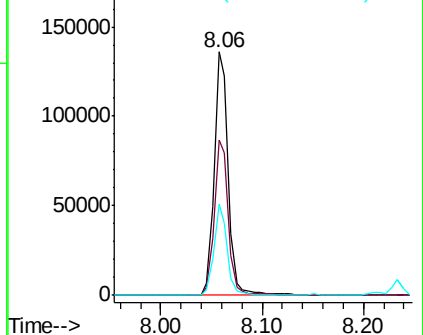
#29
2,4-Dichlorophenol
Concen: 7.985 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:162 Resp: 130771
Ion Ratio Lower Upper
162 100
164 63.6 45.1 85.1
98 37.3 17.2 57.2

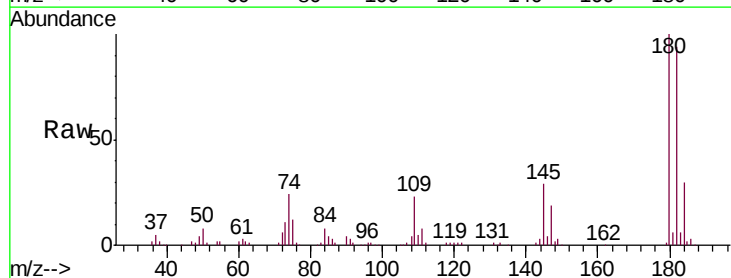


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

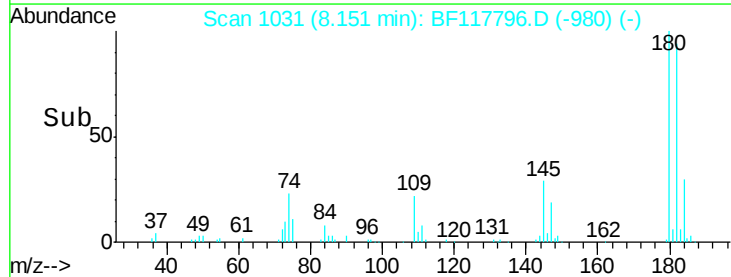
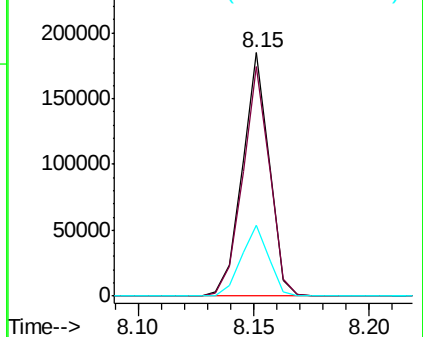


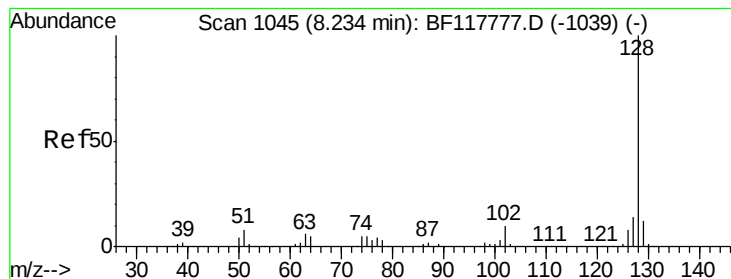
#30
1,2,4-Trichlorobenzene
Concen: 7.888 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:180 Resp: 149840
Ion Ratio Lower Upper
180 100
182 94.1 75.8 113.6
145 28.9 25.5 38.3



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





#31

Naphthalene

Concen: 8.719 ng

RT: 8.23 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

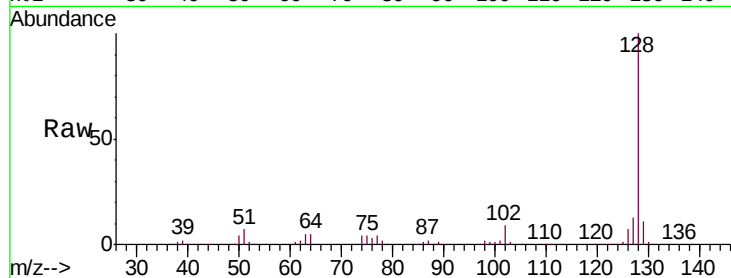
Tgt Ion:128 Resp: 467569

Ion Ratio Lower Upper

128 100

129 11.1 9.5 14.3

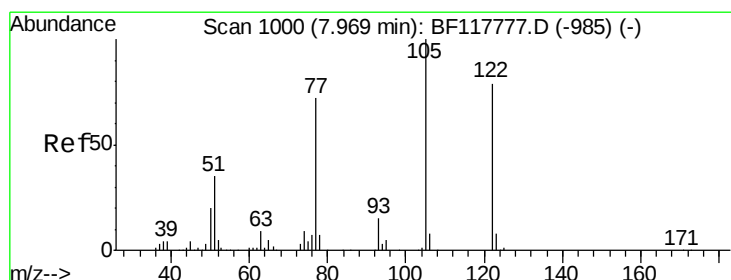
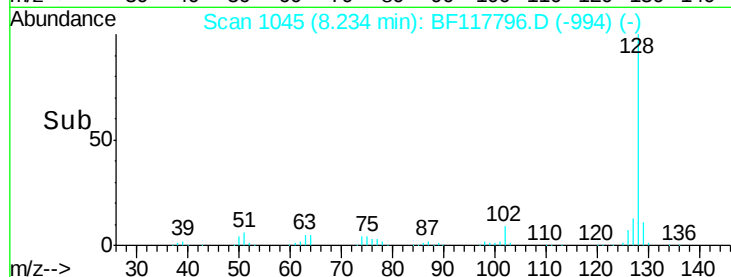
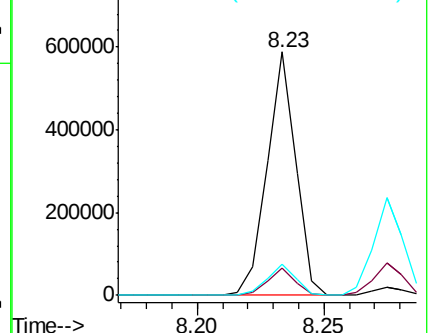
127 12.9 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.318 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.06 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

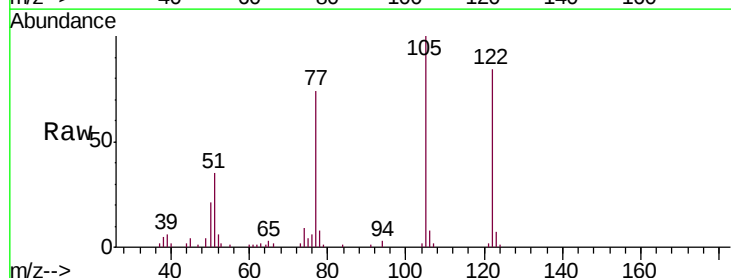
Tgt Ion:122 Resp: 54585

Ion Ratio Lower Upper

122 100

105 119.3 102.7 142.7

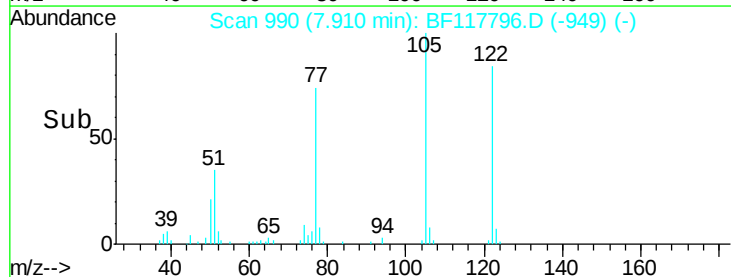
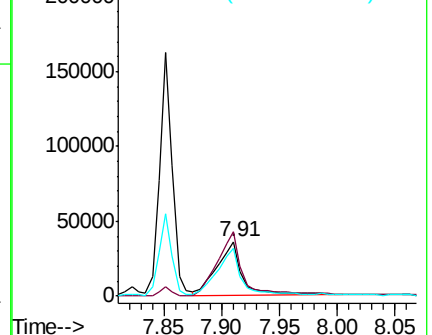
77 88.5 70.5 110.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

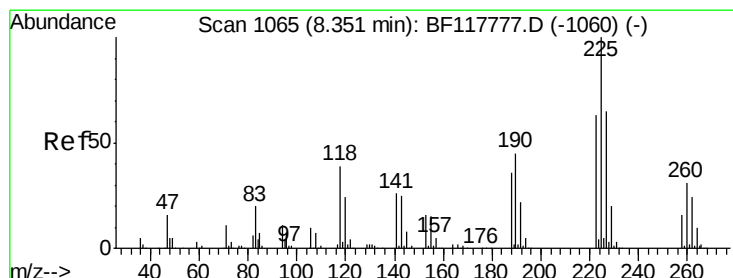
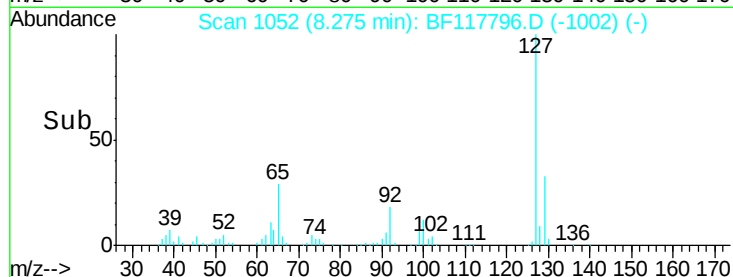
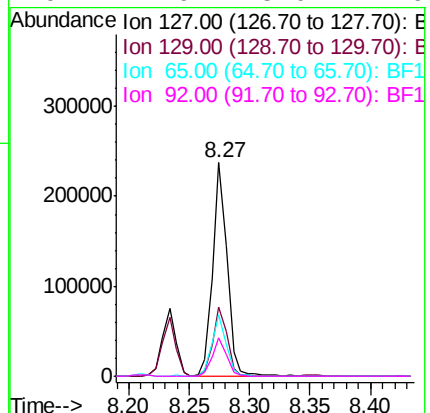
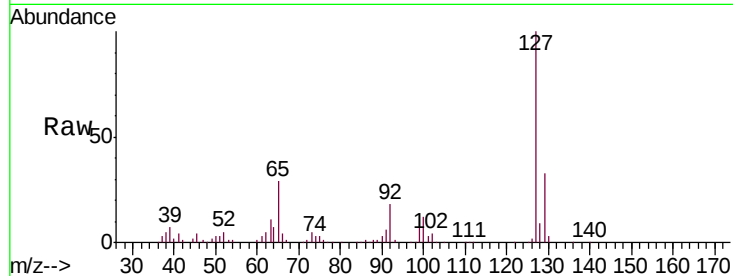




#33
4-Chloroaniline
Concen: 8.188 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

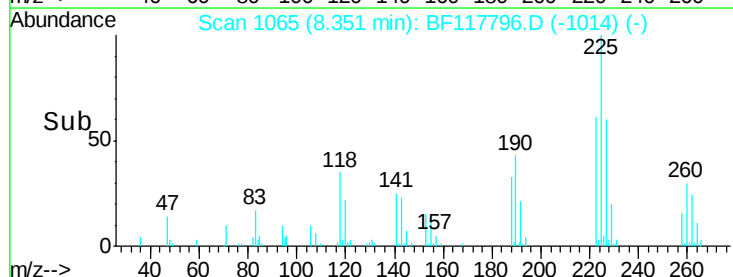
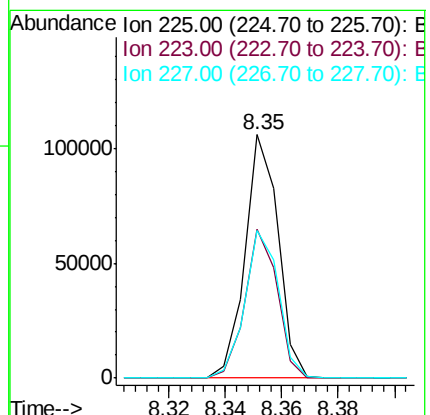
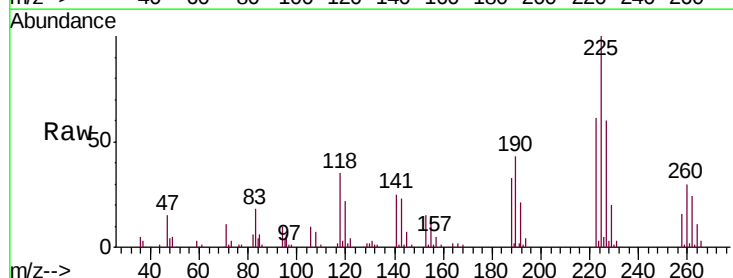
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

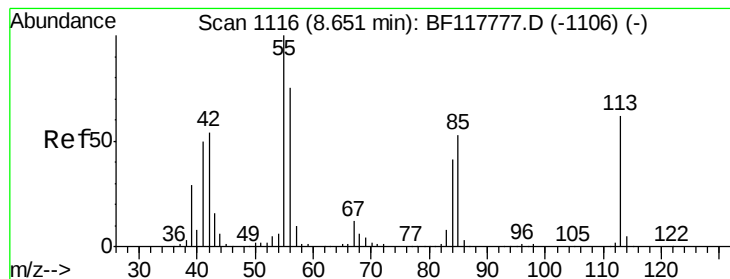
Tgt Ion:	127	Resp:	196576
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.5	39.7
65	28.5	22.9	34.3
92	17.9	15.0	22.6



#34
Hexachlorobutadiene
Concen: 7.736 ng
RT: 8.35 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:	225	Resp:	85925
Ion	Ratio	Lower	Upper
225	100		
223	61.0	50.0	75.0
227	60.5	51.8	77.6





#35

Caprolactam

Concen: 7.647 ng

RT: 8.62 min Scan# 1110

Delta R.T. -0.04 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

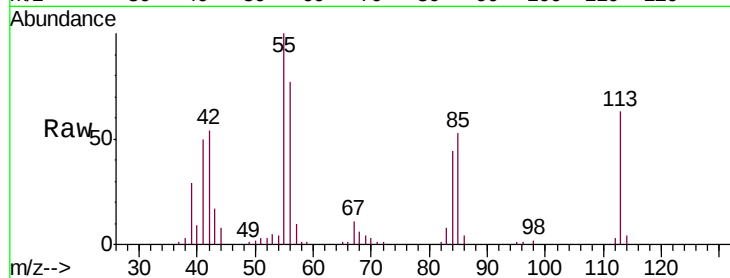
Tgt Ion:113 Resp: 39802

Ion Ratio Lower Upper

113 100

55 157.7 141.1 181.1

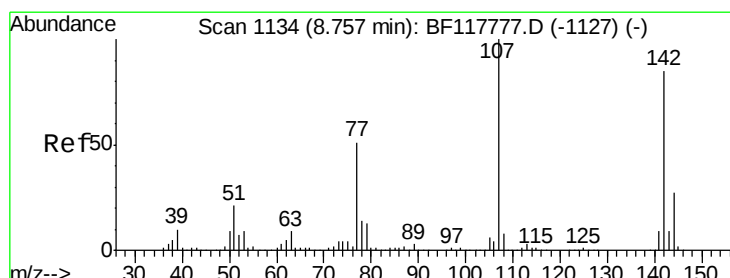
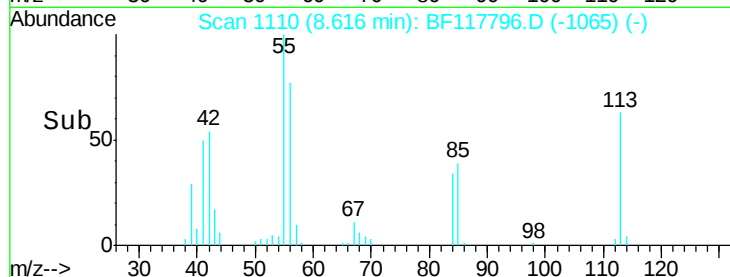
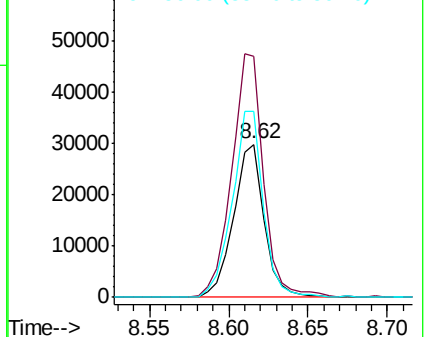
56 122.0 100.5 140.5



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: 8.176 ng

RT: 8.75 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

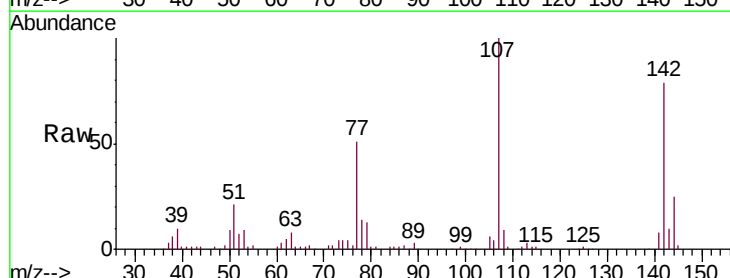
Tgt Ion:107 Resp: 135893

Ion Ratio Lower Upper

107 100

144 25.4 21.9 32.9

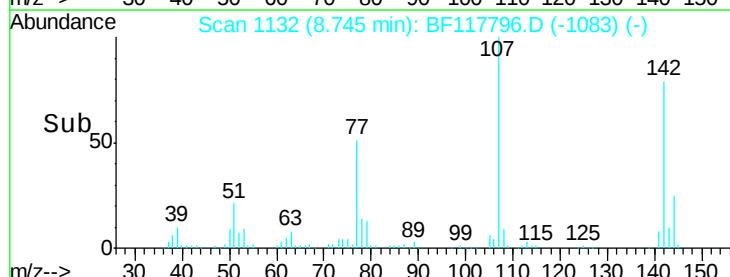
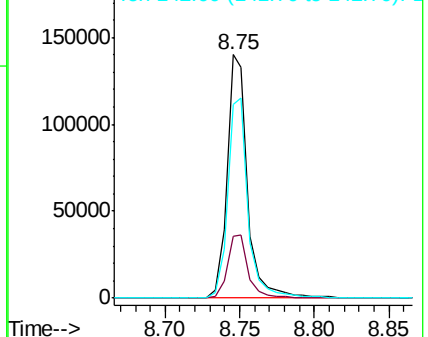
142 79.4 67.7 101.5

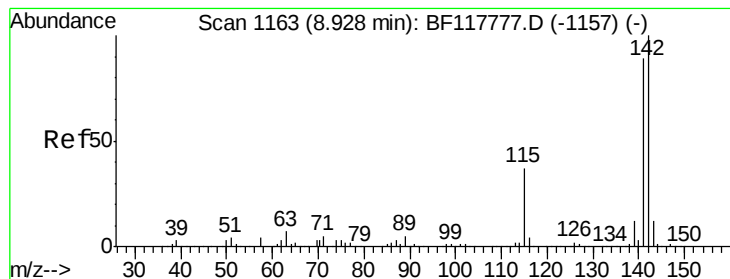


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 8.967 ng

RT: 8.93 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

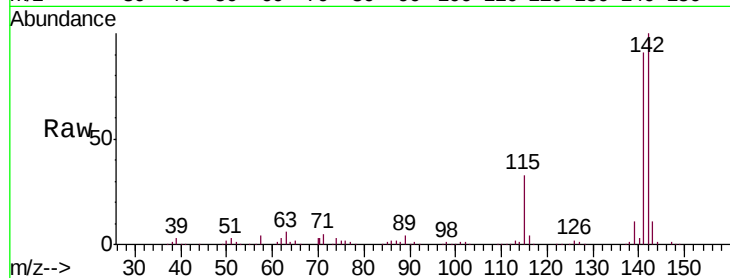
Tgt Ion:142 Resp: 324911

Ion Ratio Lower Upper

142 100

141 91.3 71.1 106.7

115 32.9 29.2 43.8



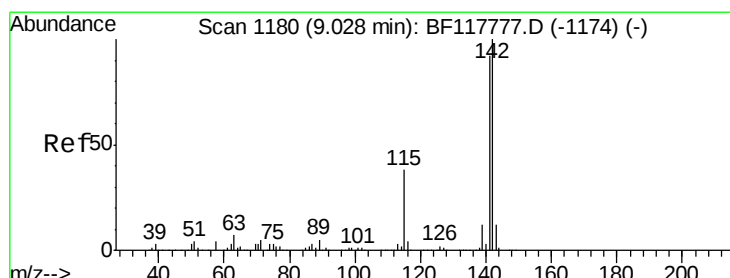
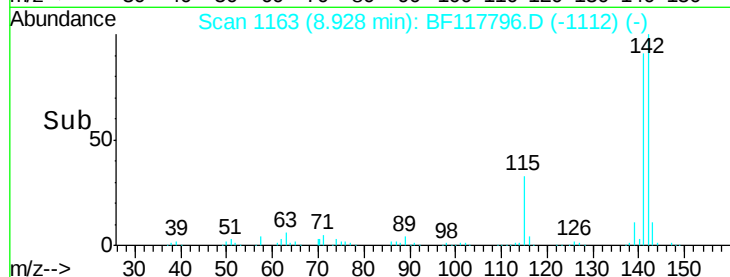
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

8.93

Time-->



#38

1-Methylnaphthalene

Concen: 8.999 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

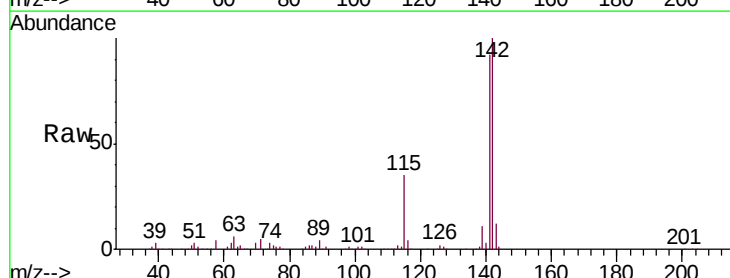
Tgt Ion:142 Resp: 308278

Ion Ratio Lower Upper

142 100

141 92.4 73.5 110.3

116 3.6 3.2 4.8



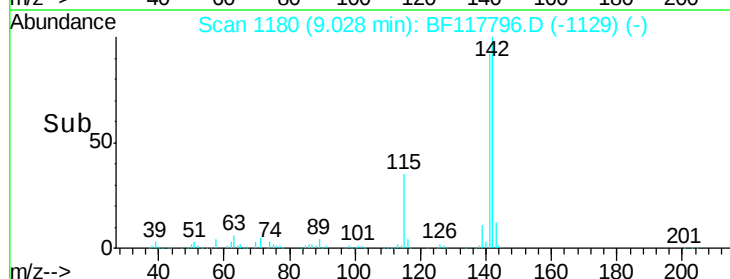
Abundance Ion 142.00 (141.70 to 142.70): E

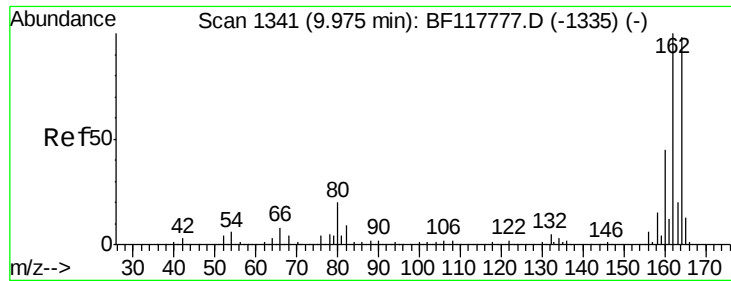
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

9.03

Time-->

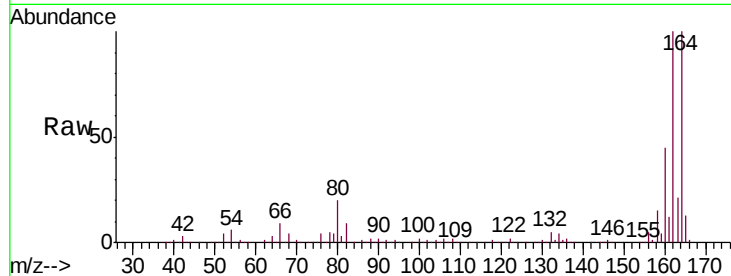




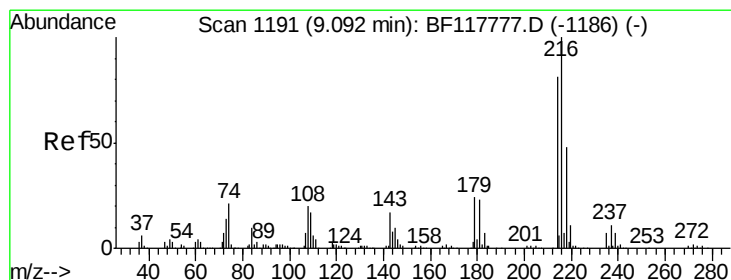
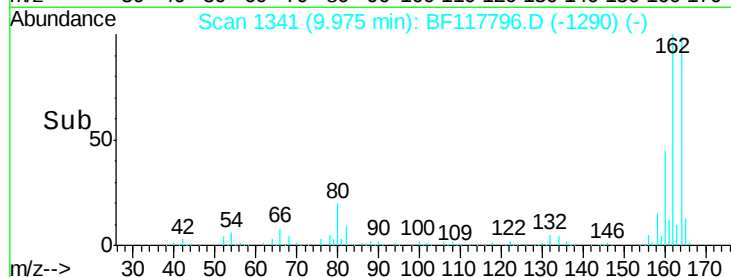
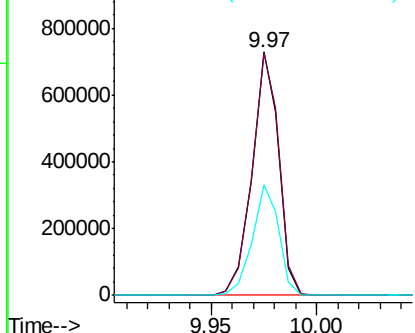
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:164 Resp: 635810
Ion Ratio Lower Upper
164 100
162 99.8 81.3 121.9
160 45.2 36.6 55.0

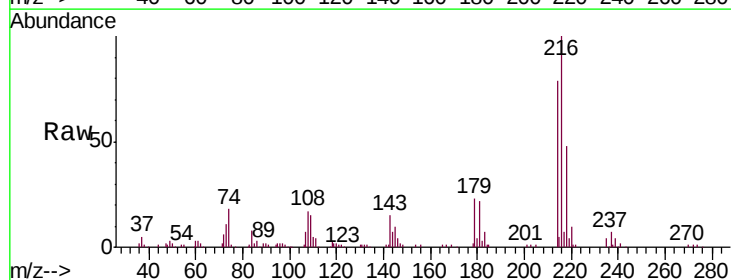


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

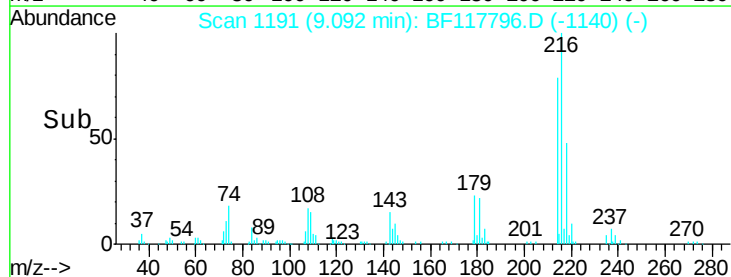
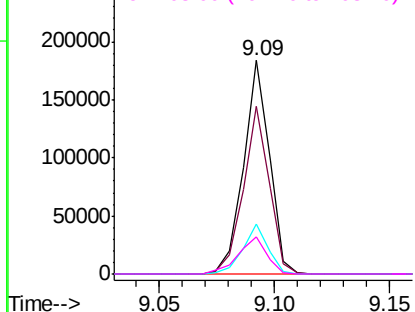


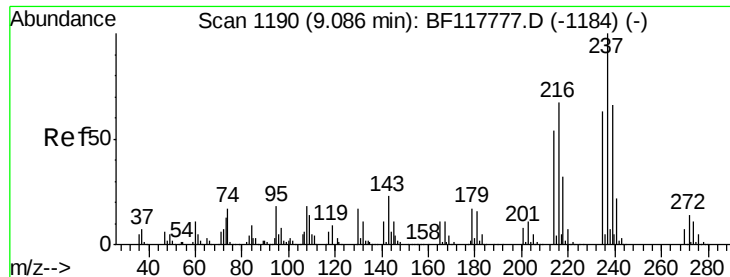
#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.812 ng
RT: 9.09 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:216 Resp: 144244
Ion Ratio Lower Upper
216 100
214 78.0 63.4 95.0
179 22.5 18.2 27.4
108 19.3 16.0 24.0



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.740 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

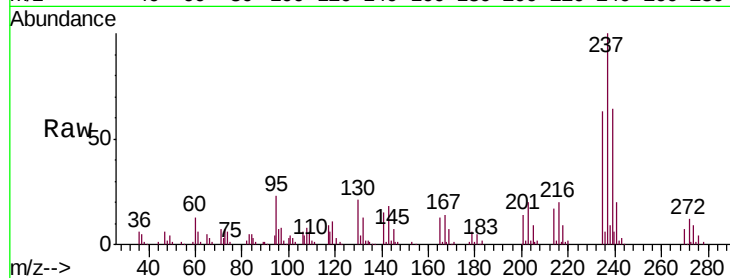
Tgt Ion: 237 Resp: 80085

Ion Ratio Lower Upper

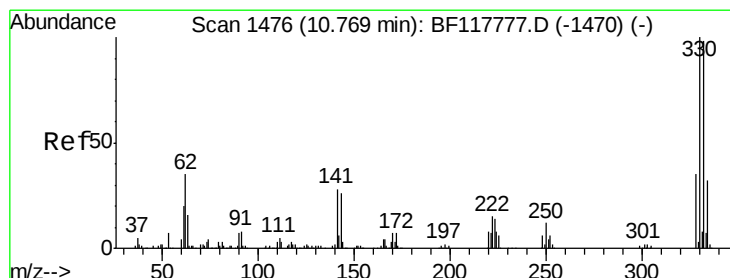
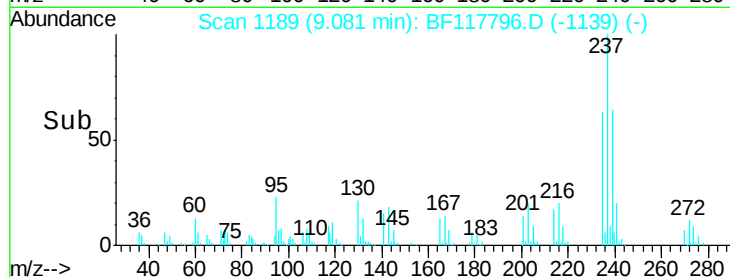
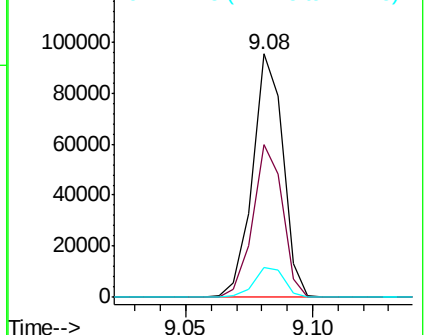
237 100

235 62.7 42.6 82.6

272 12.5 0.0 34.3



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



#42

2,4,6-Tribromophenol

Concen: 136.285 ng

RT: 10.77 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

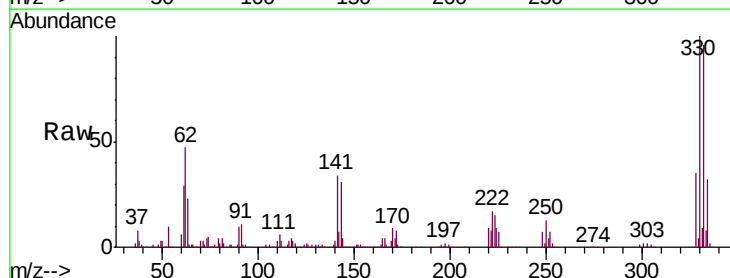
Tgt Ion: 330 Resp: 917370

Ion Ratio Lower Upper

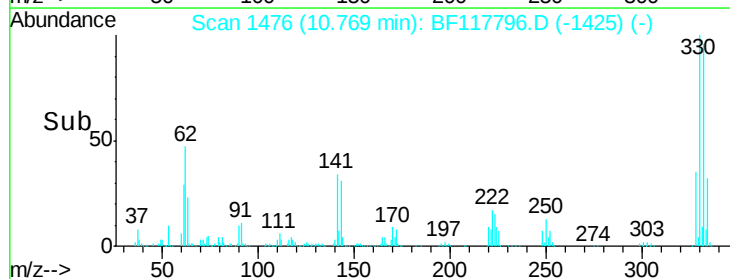
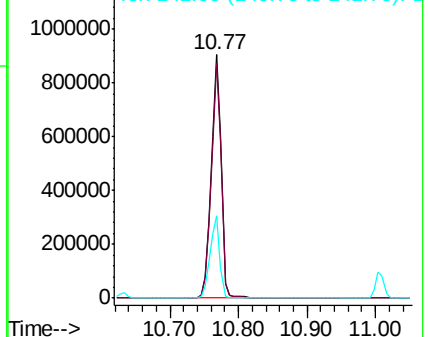
330 100

332 96.2 76.7 115.1

141 33.4 27.7 41.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

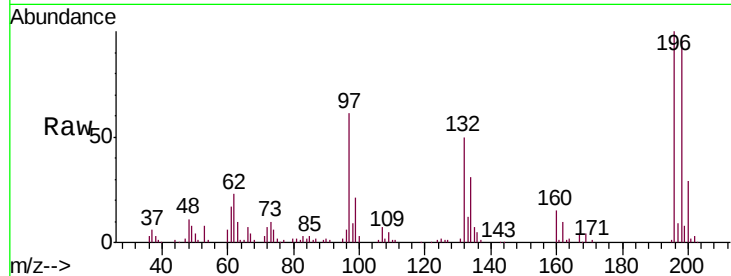




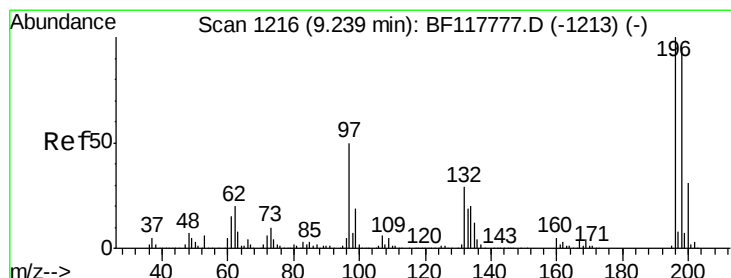
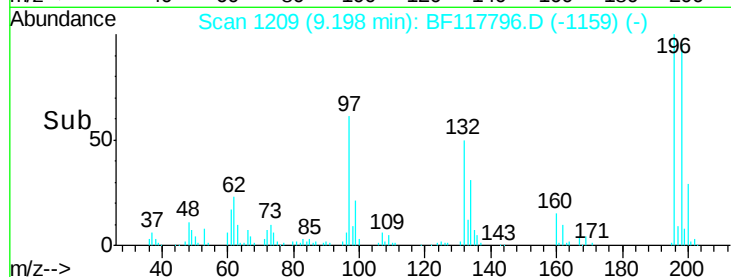
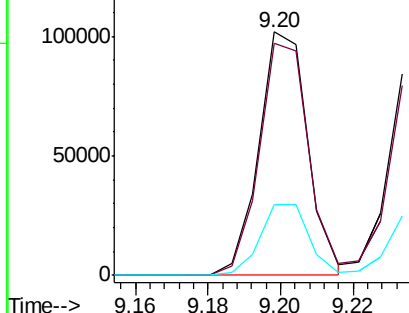
#43
 2,4,6-Trichlorophenol
 Concen: 7.160 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:196 Resp: 94691
 Ion Ratio Lower Upper
 196 100
 198 95.5 77.8 116.6
 200 29.4 25.4 38.0



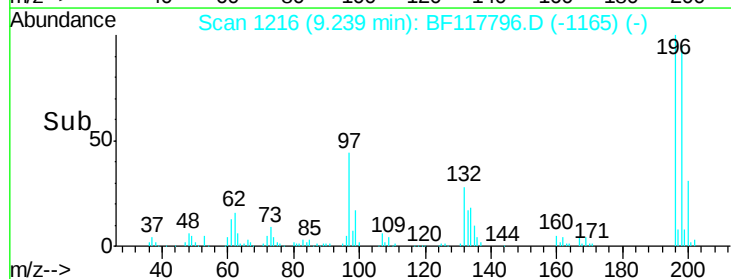
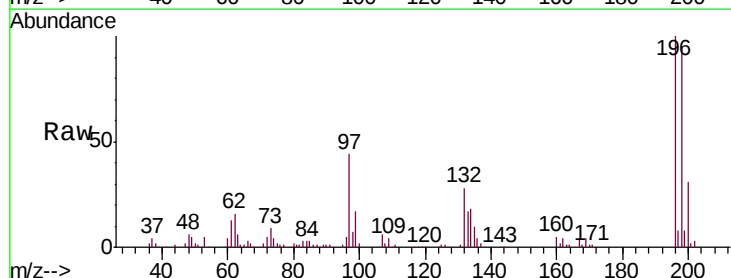
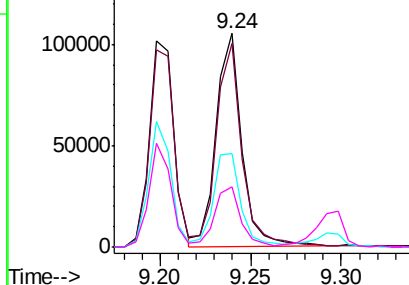
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

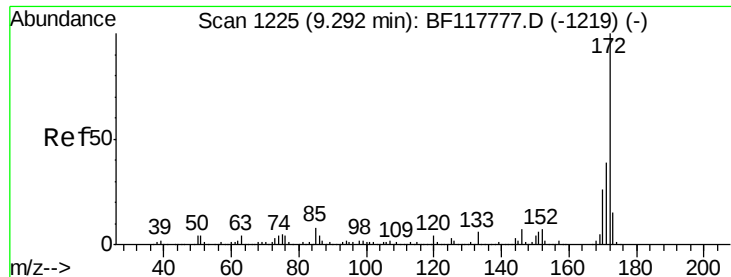


#44
 2,4,5-Trichlorophenol
 Concen: 7.554 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Tgt Ion:196 Resp: 103723
 Ion Ratio Lower Upper
 196 100
 198 95.0 76.3 114.5
 97 43.7 40.0 60.0
 132 28.2 23.6 35.4

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

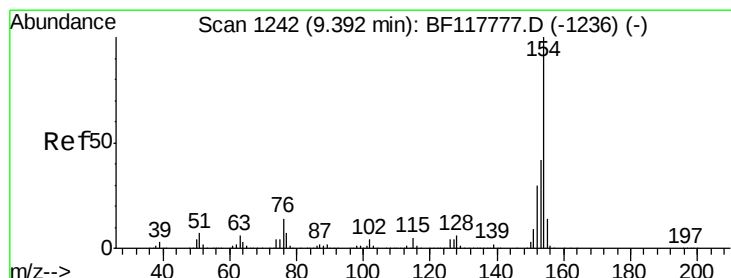
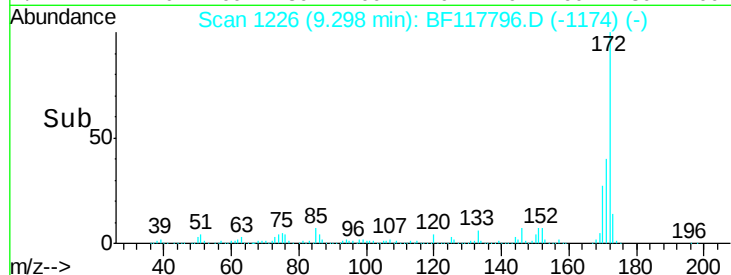
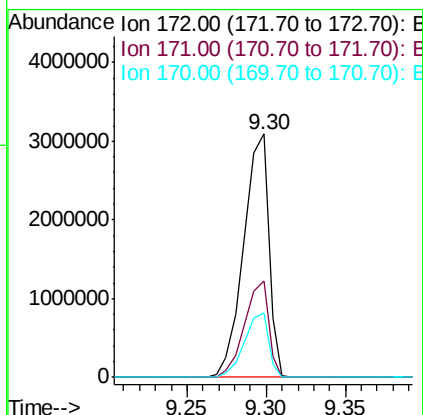
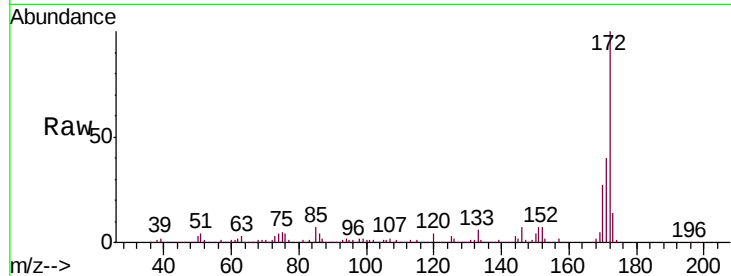




#45
2-Fluorobiphenyl
Concen: 95.861 ng
RT: 9.30 min Scan# 1226
Delta R.T. 0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

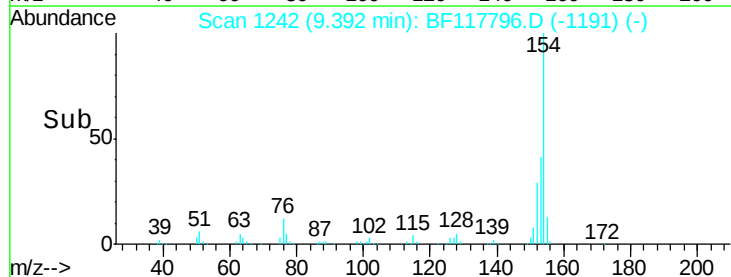
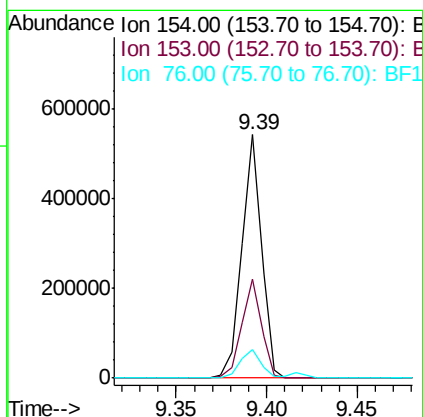
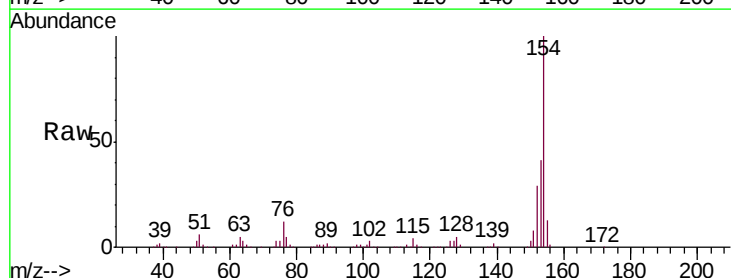
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

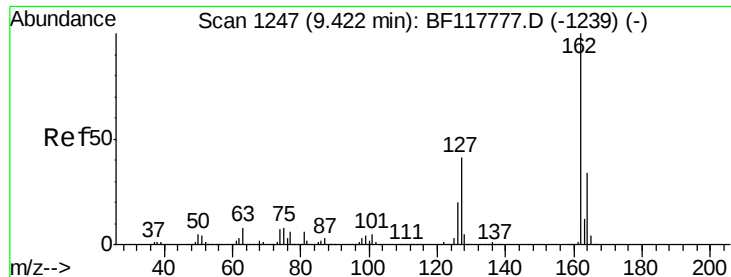
Tgt Ion:172 Resp: 3397336
Ion Ratio Lower Upper
172 100
171 39.5 30.9 46.3
170 26.7 21.0 31.4



#46
1,1'-Biphenyl
Concen: 8.687 ng
RT: 9.39 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:154 Resp: 409795
Ion Ratio Lower Upper
154 100
153 40.7 21.9 61.9
76 11.9 0.0 33.6





#47

2-Chloronaphthalene

Concen: 7.889 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

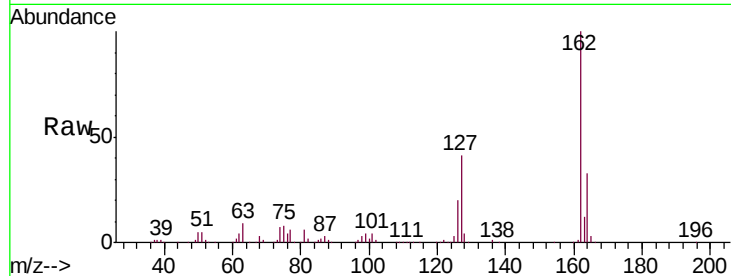
Tgt Ion: 162 Resp: 306131

Ion Ratio Lower Upper

162 100

127 41.3 33.2 49.8

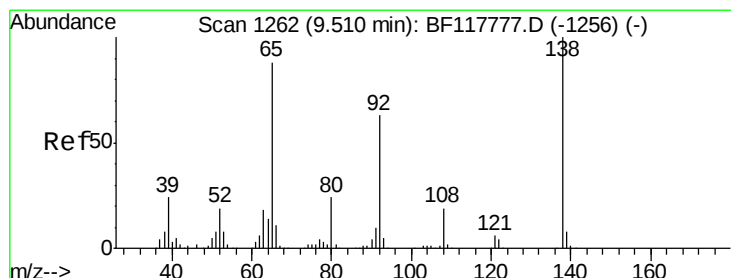
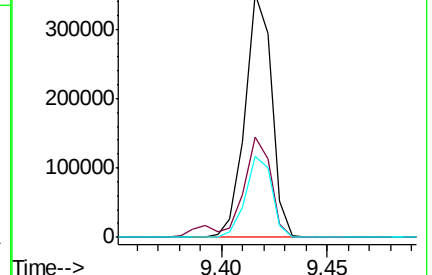
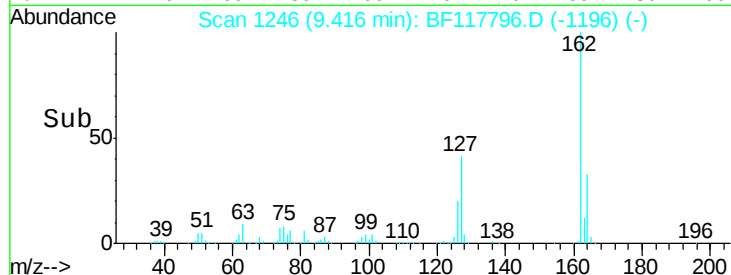
164 33.1 27.3 40.9



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: 7.044 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

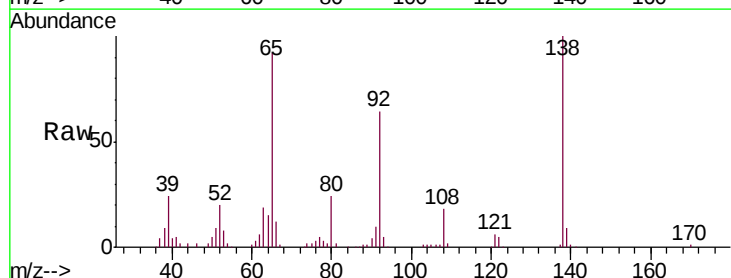
Tgt Ion: 65 Resp: 82521

Ion Ratio Lower Upper

65 100

92 69.7 56.6 84.8

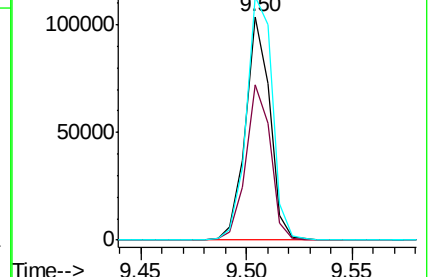
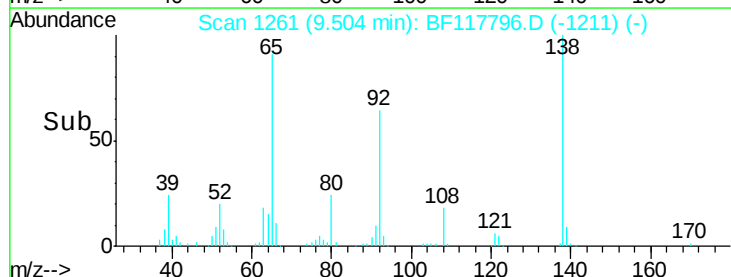
138 109.0 90.5 135.7

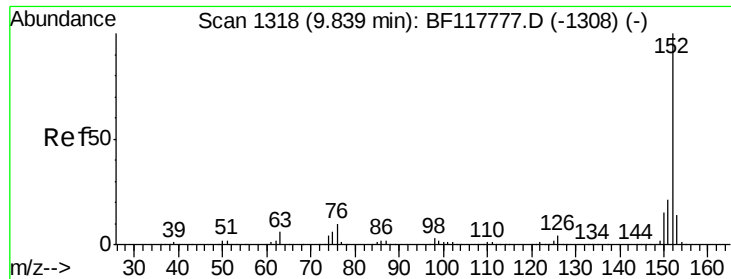


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.759 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

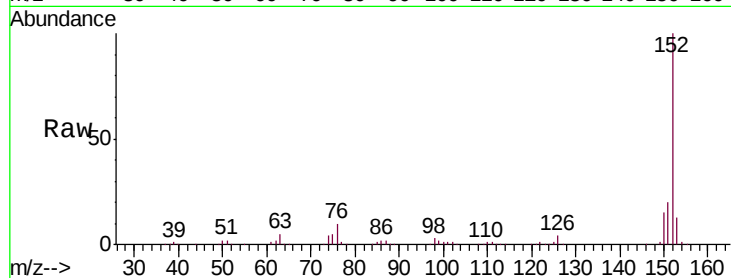
Tgt Ion:152 Resp: 495564

Ion Ratio Lower Upper

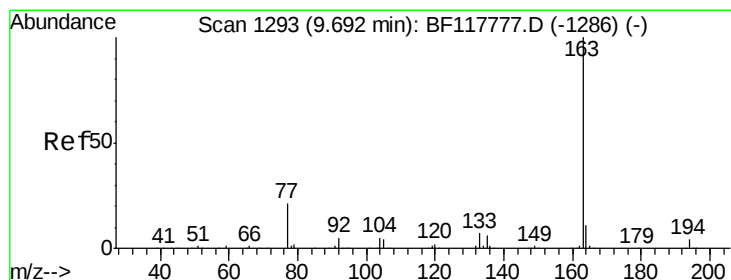
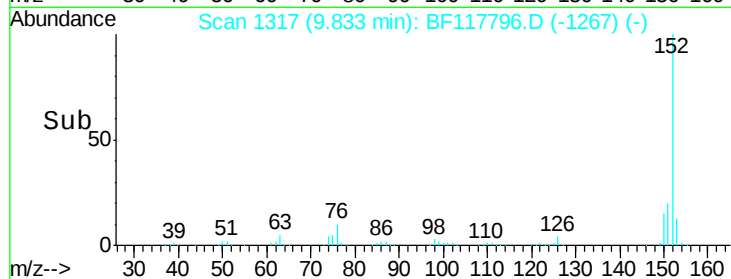
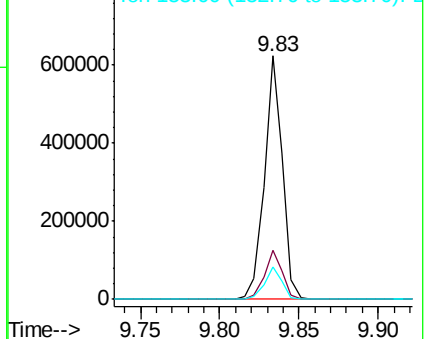
152 100

151 20.1 17.0 25.6

153 13.3 11.0 16.6



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



#50

Dimethylphthalate

Concen: 8.280 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

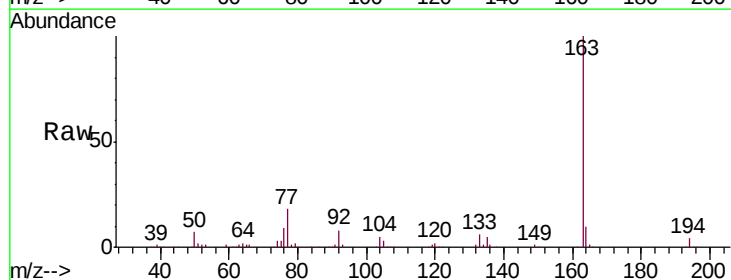
Tgt Ion:163 Resp: 369163

Ion Ratio Lower Upper

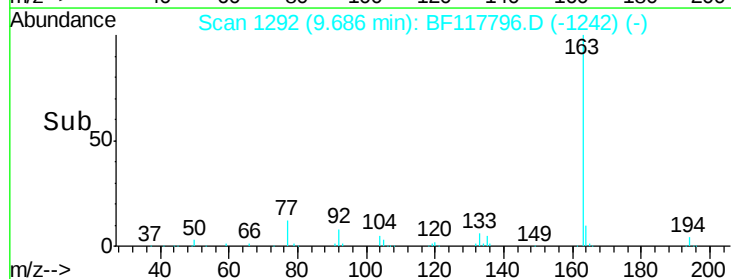
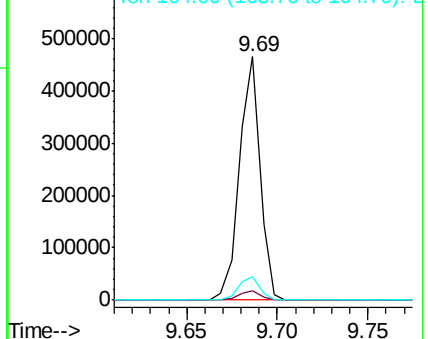
163 100

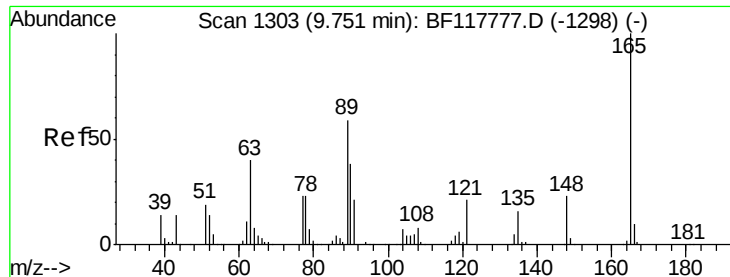
194 4.0 3.3 4.9

164 9.9 8.7 13.1



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

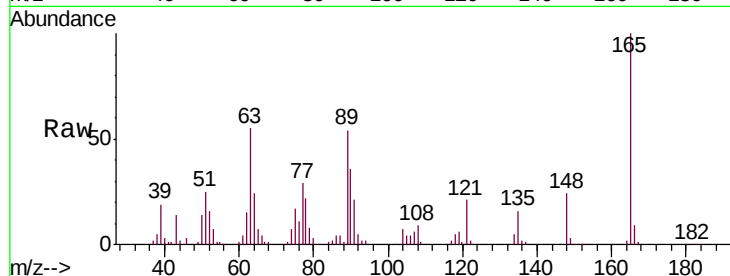




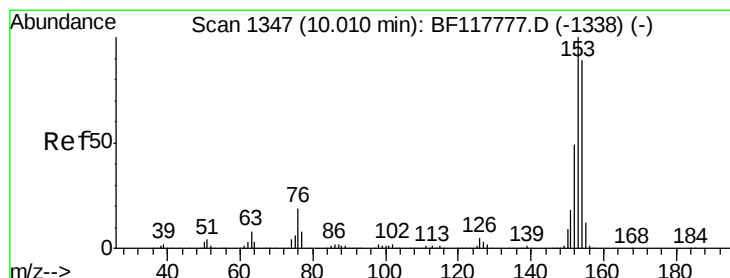
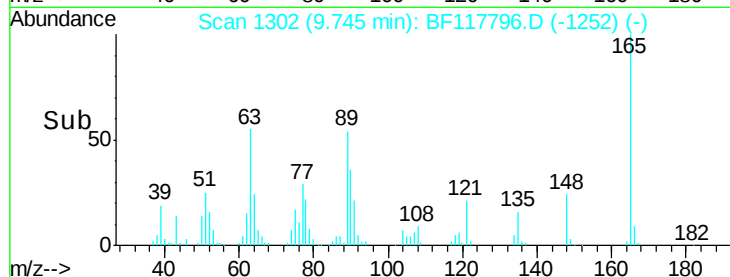
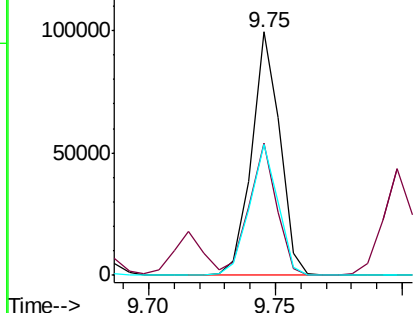
#51
2,6-Dinitrotoluene
Concen: 7.910 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:165 Resp: 77075
Ion Ratio Lower Upper
165 100
63 54.5 46.0 69.0
89 53.9 47.7 71.5

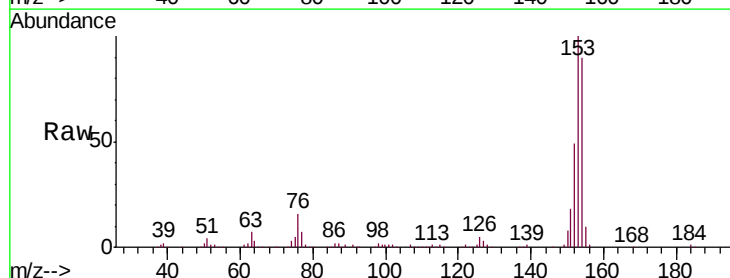


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

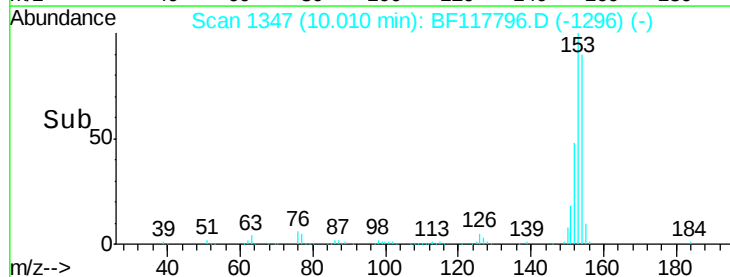
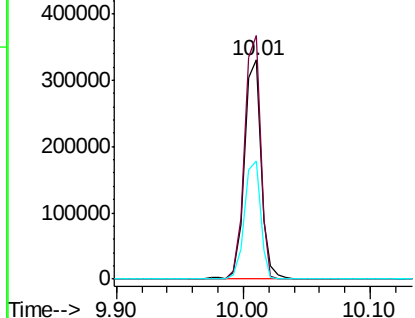


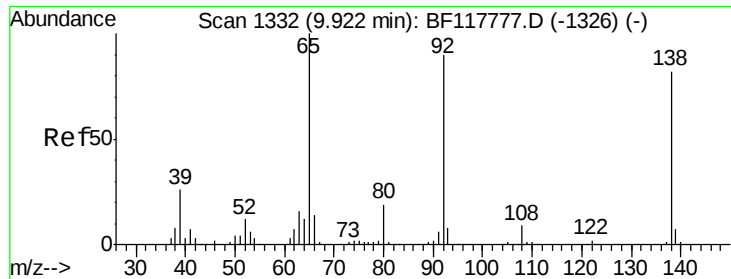
#52
Acenaphthene
Concen: 8.324 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:154 Resp: 301676
Ion Ratio Lower Upper
154 100
153 111.2 90.1 135.1
152 54.1 44.0 66.0



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

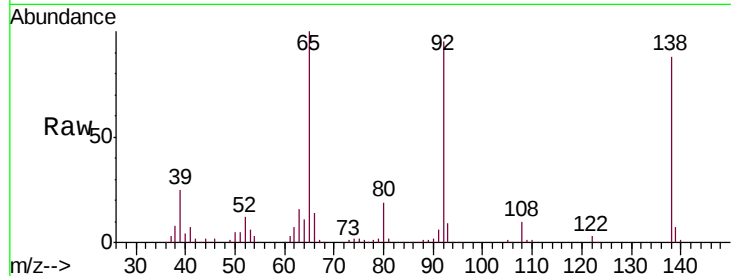




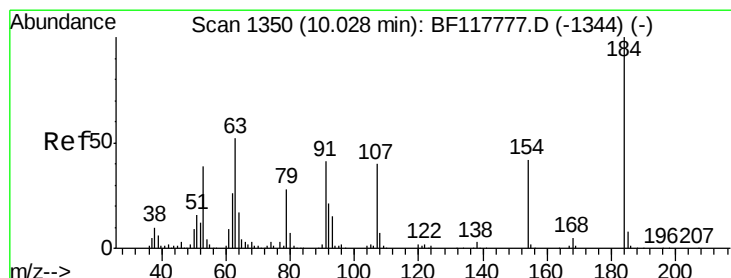
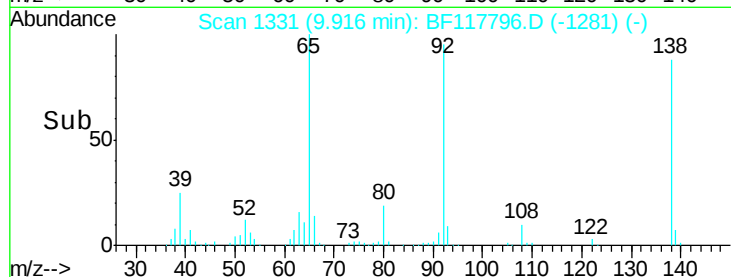
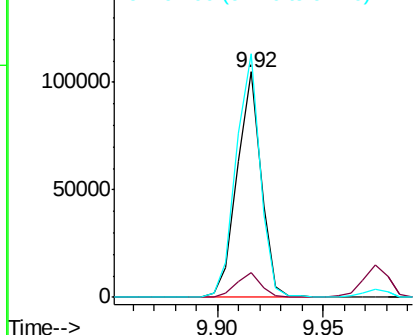
#53
 3-Nitroaniline
 Concen: 7.061 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:138 Resp: 82332
 Ion Ratio Lower Upper
 138 100
 108 10.8 8.6 12.8
 92 108.1 87.9 131.9

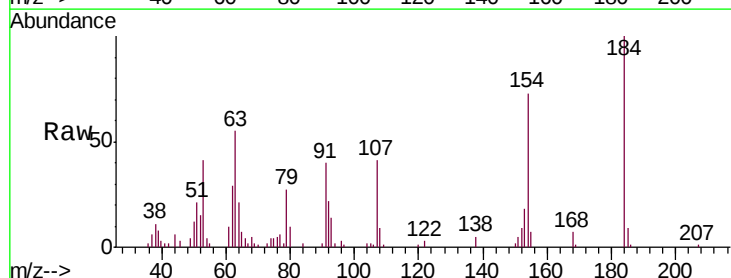


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

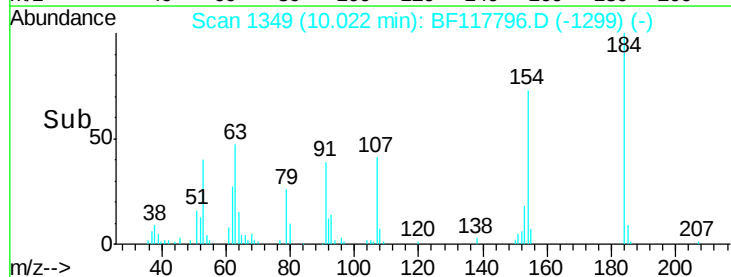
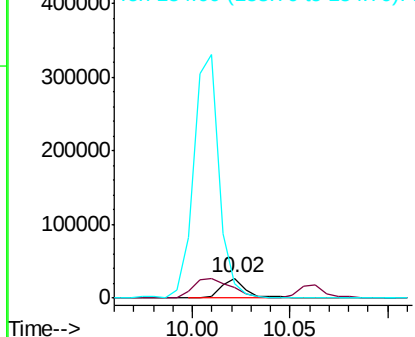


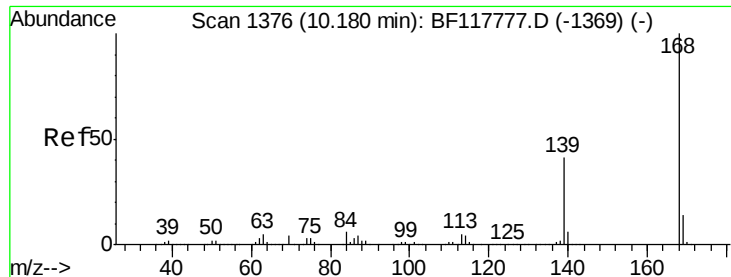
#54
 2,4-Dinitrophenol
 Concen: 11.532 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Tgt Ion:184 Resp: 23709
 Ion Ratio Lower Upper
 184 100
 63 54.6 43.0 64.6
 154 73.5 48.0 72.0#



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

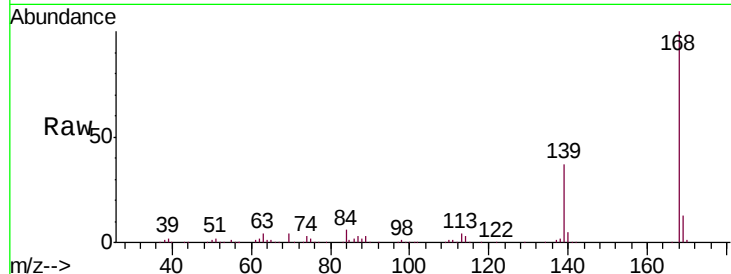




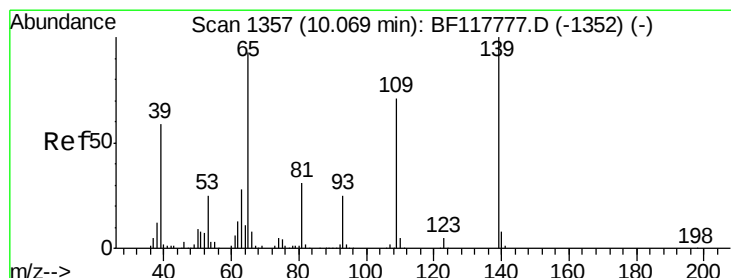
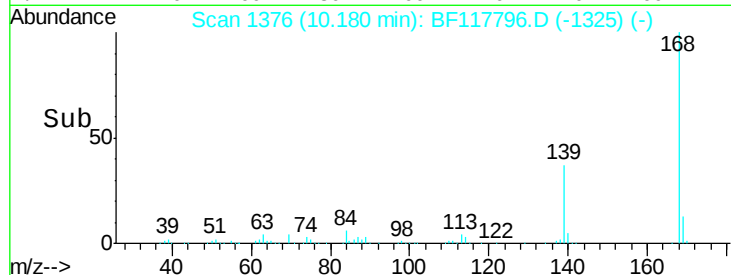
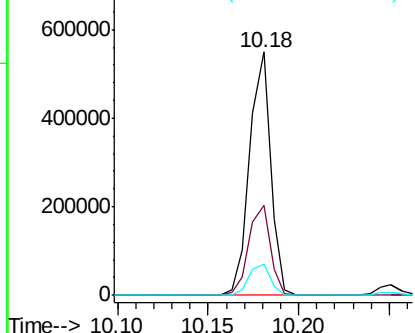
#55
Dibenzenofuran
Concen: 8.885 ng
RT: 10.18 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:168 Resp: 445917
Ion Ratio Lower Upper
168 100
139 36.8 33.0 49.6
169 12.9 11.5 17.3

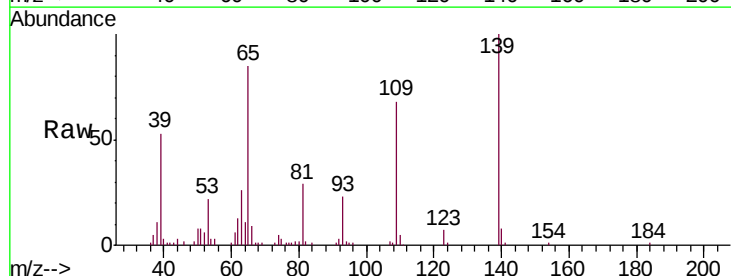


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

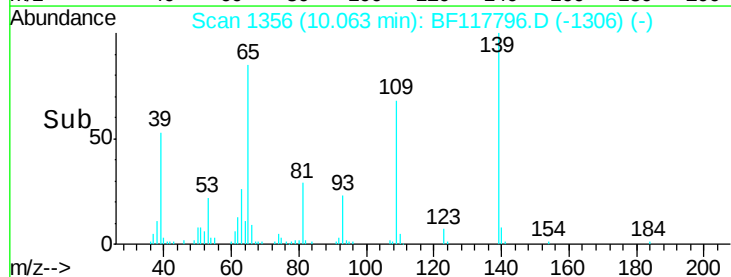
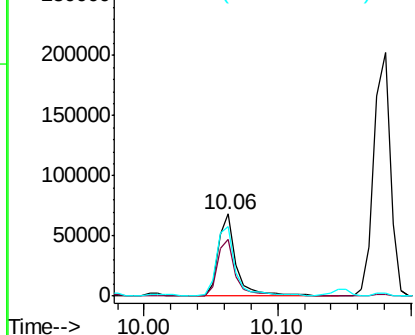


#56
4-Nitrophenol
Concen: 7.554 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:139 Resp: 65745
Ion Ratio Lower Upper
139 100
109 68.3 50.8 90.8
65 84.6 73.6 113.6



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

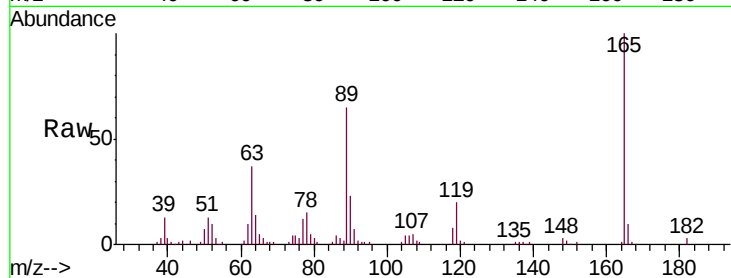




#57
2,4-Dinitrotoluene
Concen: 7.815 ng
RT: 10.15 min Scan# 1371
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
165	100		
63	36.6	33.7	50.5
89	65.0	57.3	85.9
182	2.8	2.3	3.5

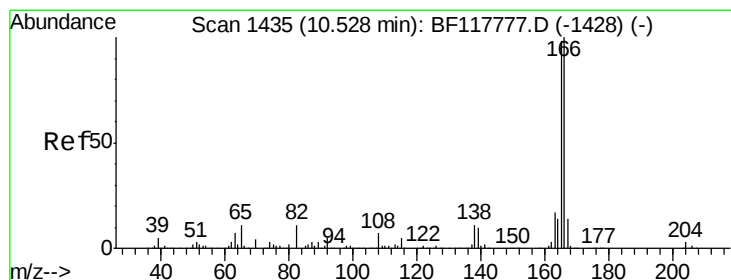
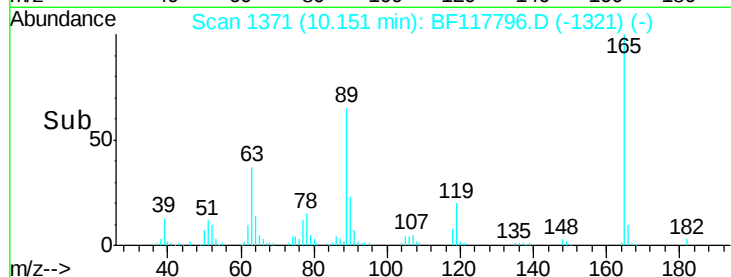
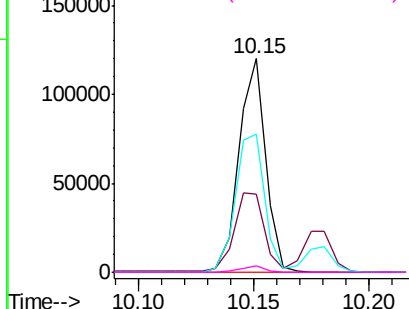


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

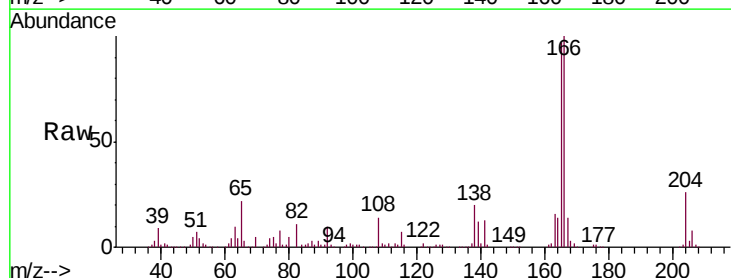
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 8.797 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

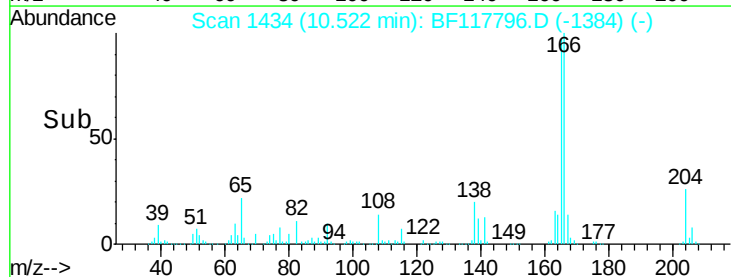
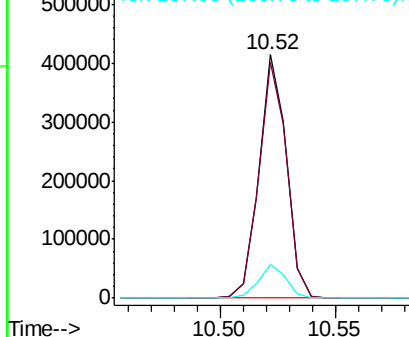
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.4	117.6
167	13.6	11.0	16.4



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

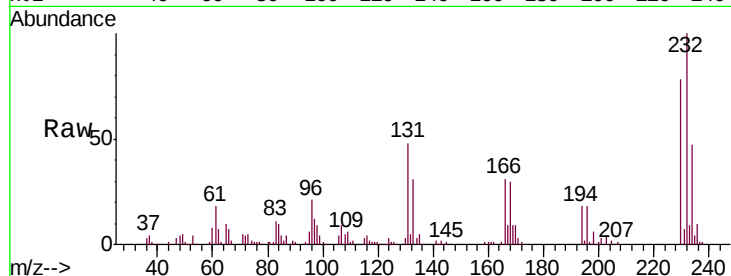




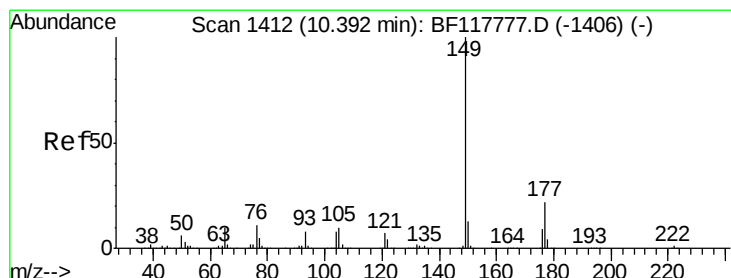
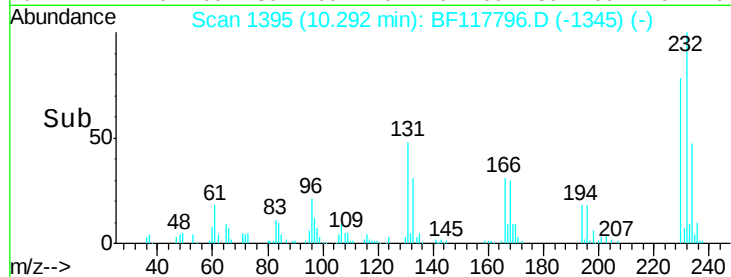
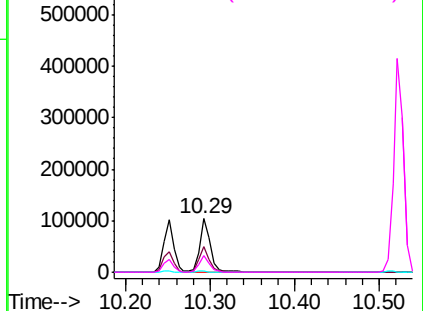
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.974 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:	232	Resp:	89965
Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.6	56.4
130	2.3	1.9	2.9
166	29.6	24.2	36.4

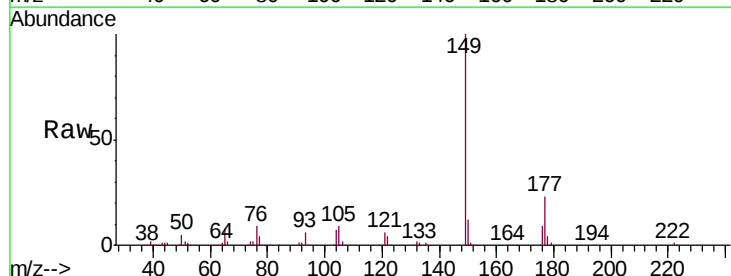


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

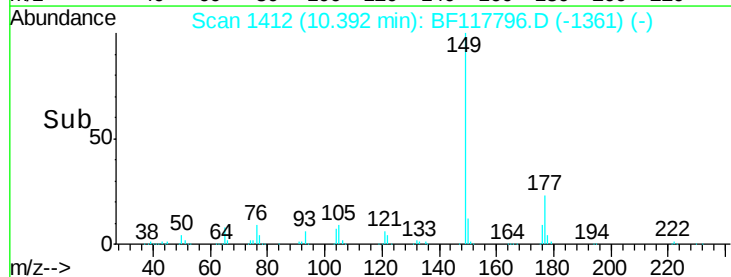
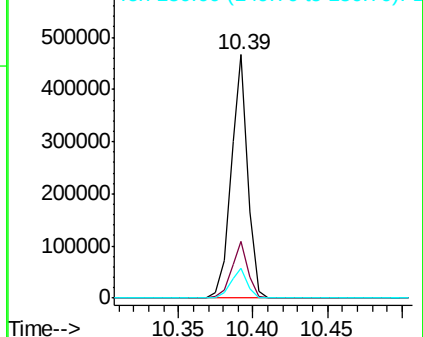


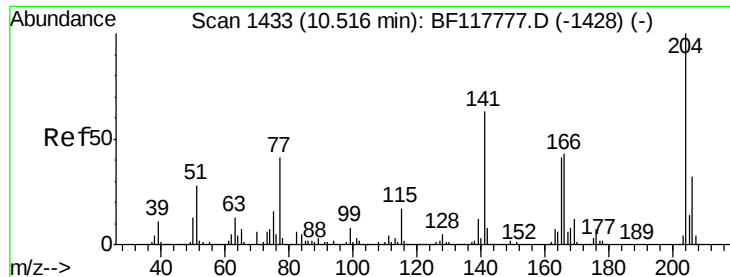
#60
 Diethylphthalate
 Concen: 8.389 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Tgt Ion:	149	Resp:	364676
Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.0	27.0
150	12.3	10.5	15.7



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

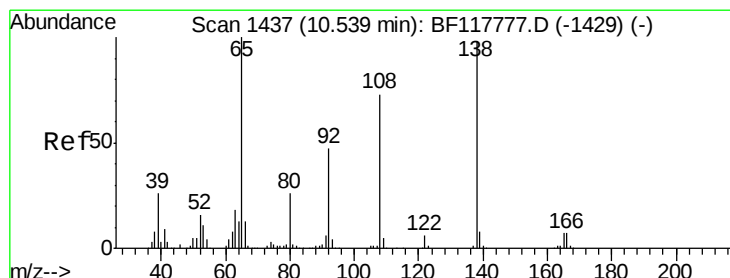
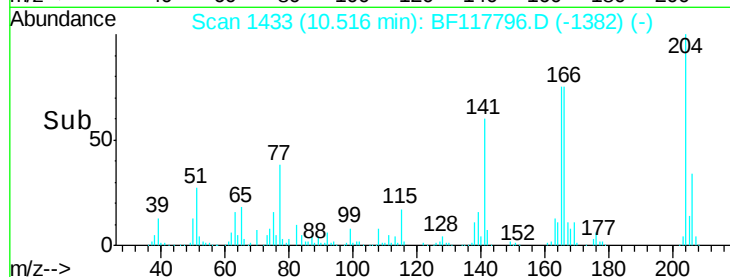
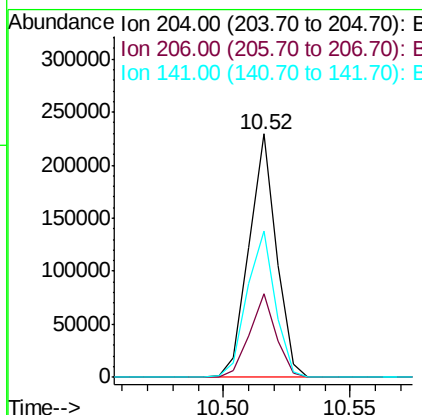
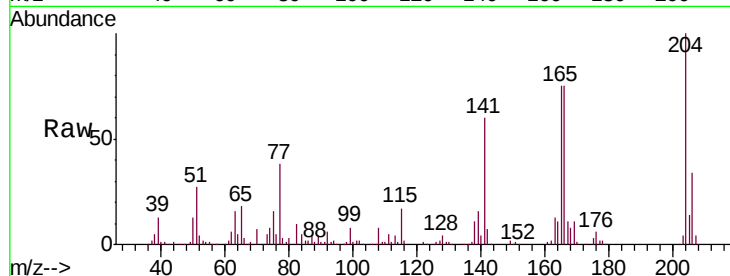




#61
 4-Chlorophenyl-phenylether
 Concen: 8.762 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

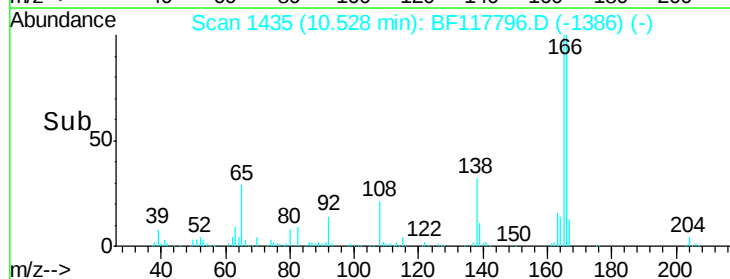
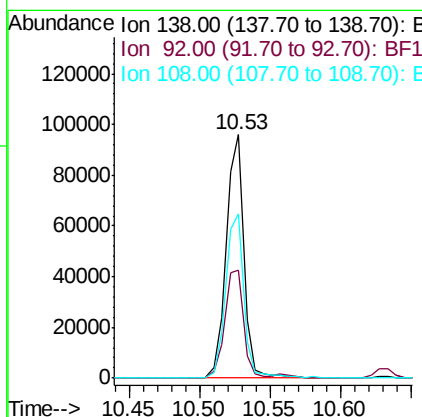
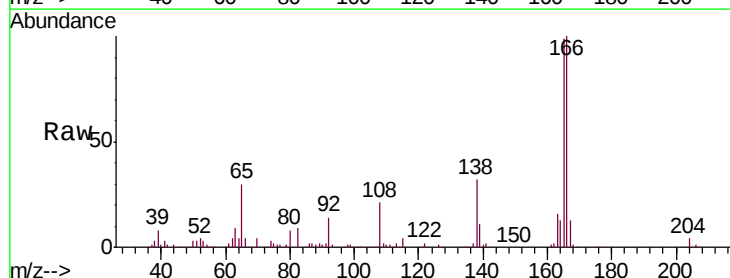
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

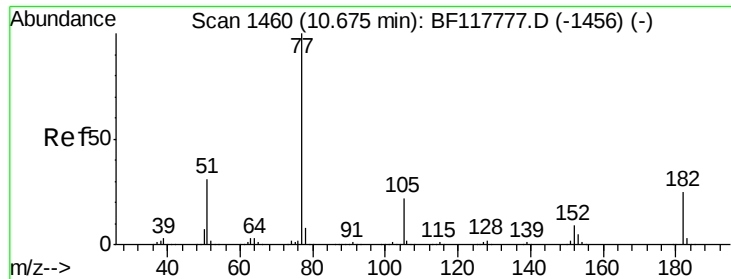
Tgt Ion: 204 Resp: 172935
 Ion Ratio Lower Upper
 204 100
 206 34.1 25.6 38.4
 141 60.0 50.7 76.1



#62
 4-Nitroaniline
 Concen: 7.189 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Tgt Ion: 138 Resp: 83928
 Ion Ratio Lower Upper
 138 100
 92 44.1 28.3 68.3
 108 67.3 54.3 94.3





#63

Azobenzene

Concen: 8.623 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tgt Ion: 77 Resp: 341024

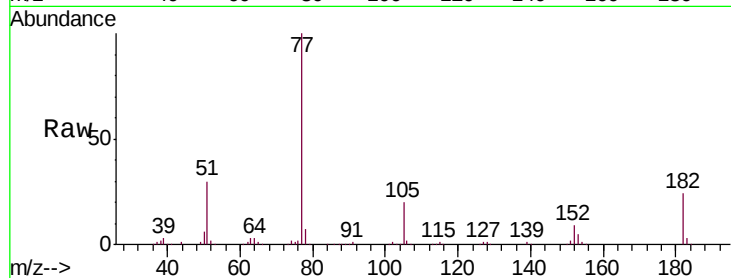
Ion Ratio Lower Upper

77 100

182 24.2 4.8 44.8

105 20.4 2.1 42.1

51 30.0 11.4 51.4

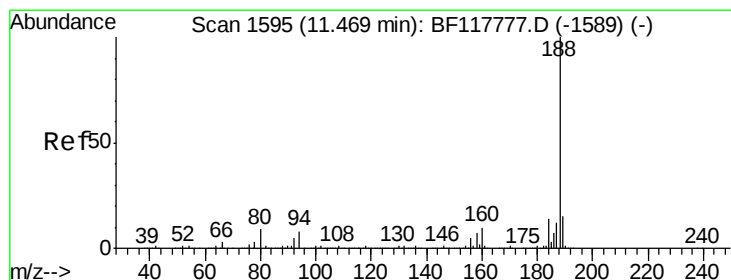
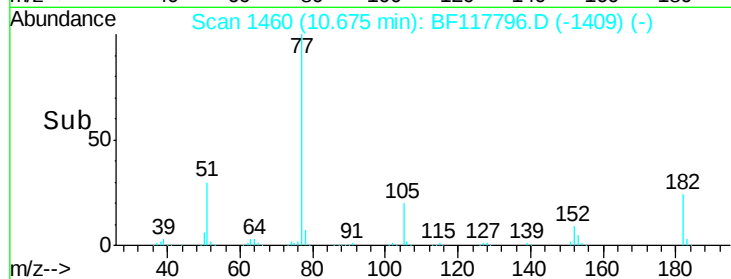
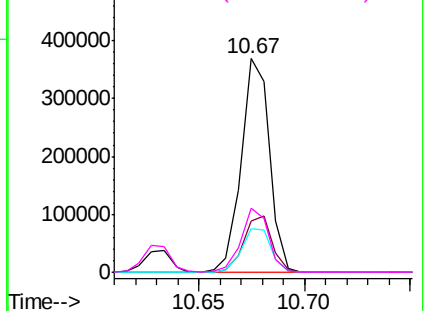


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.47 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

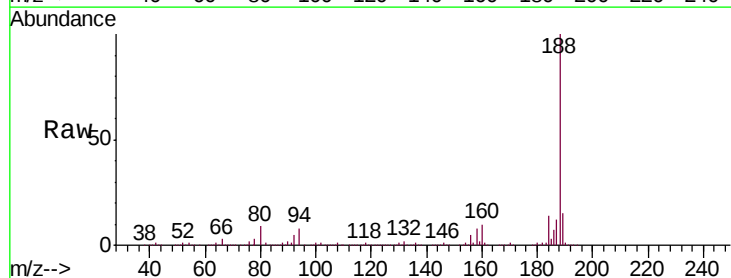
Tgt Ion: 188 Resp: 1231576

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

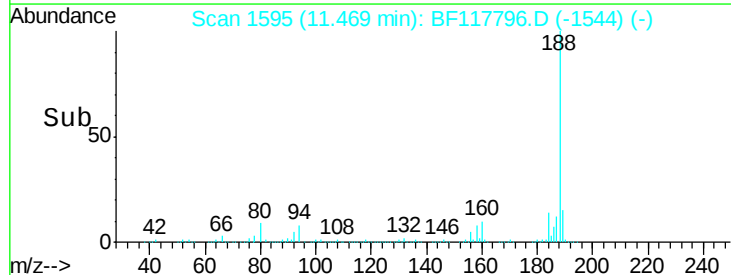
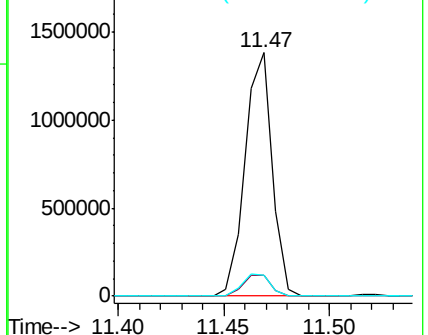
80 8.6 7.2 10.8

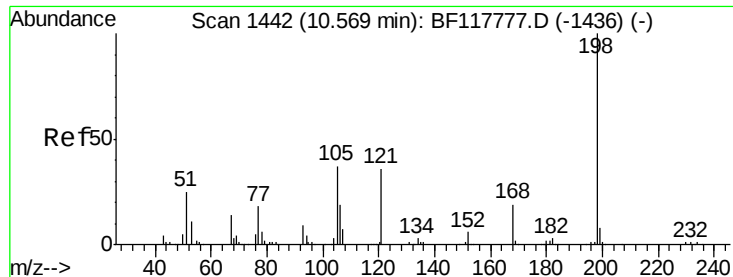


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.680 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

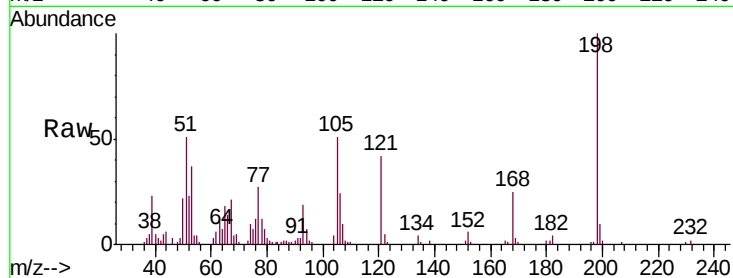
Tgt Ion:198 Resp: 38407

Ion Ratio Lower Upper

198 100

51 51.2 16.0 56.0

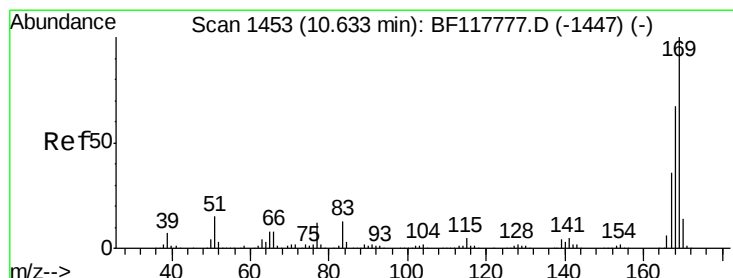
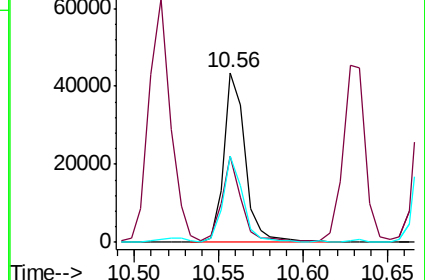
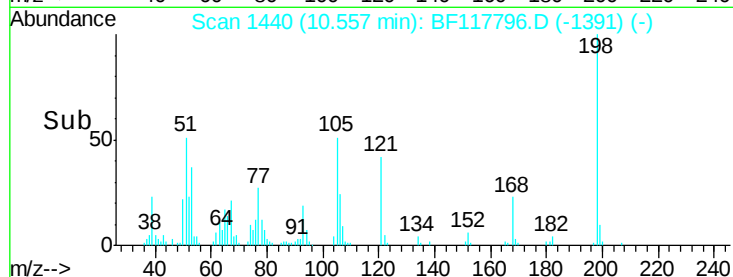
105 50.8 19.1 59.1



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: 8.381 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

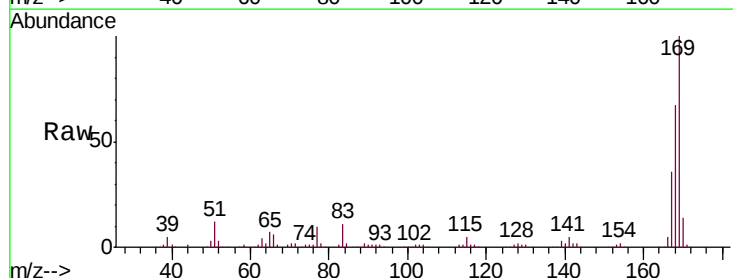
Tgt Ion:169 Resp: 300399

Ion Ratio Lower Upper

169 100

168 67.3 53.5 80.3

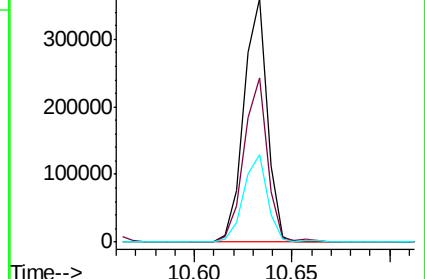
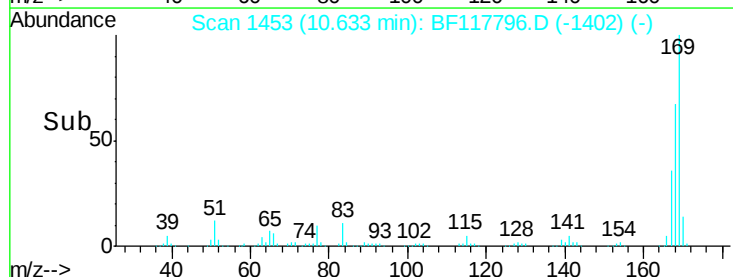
167 36.2 29.0 43.4

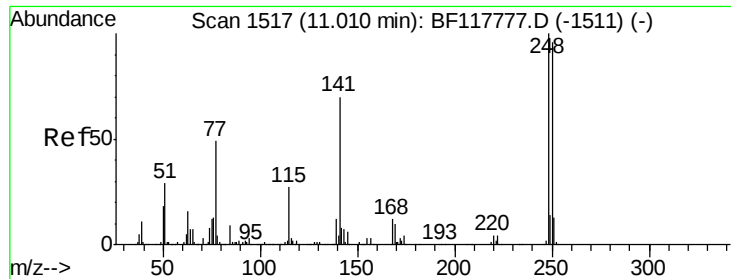


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

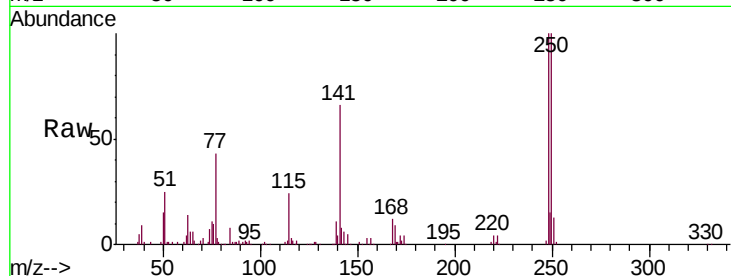




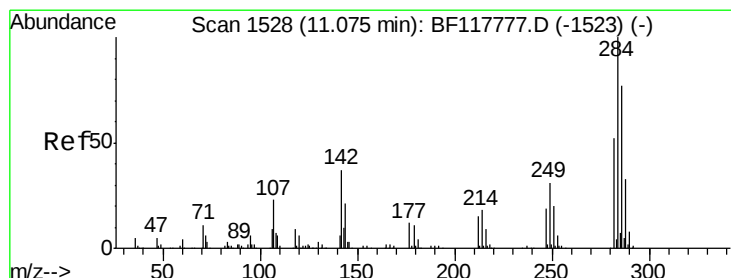
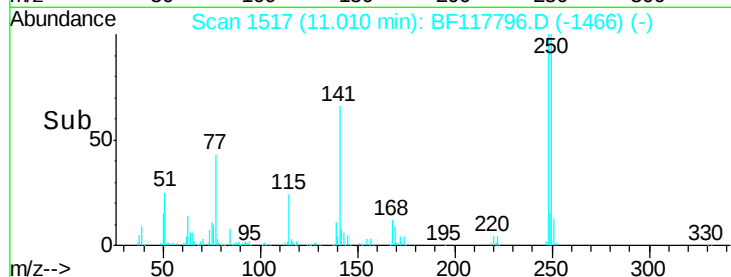
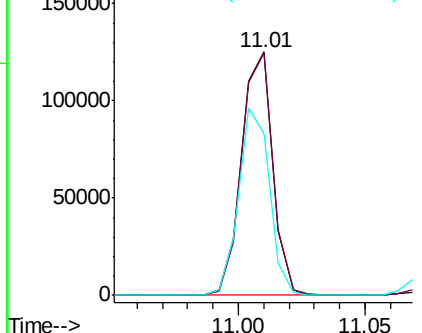
#67
4-Bromophenyl-phenylether
Concen: 8.038 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
248	100		
250	99.6	76.6	115.0
141	66.3	55.9	83.9

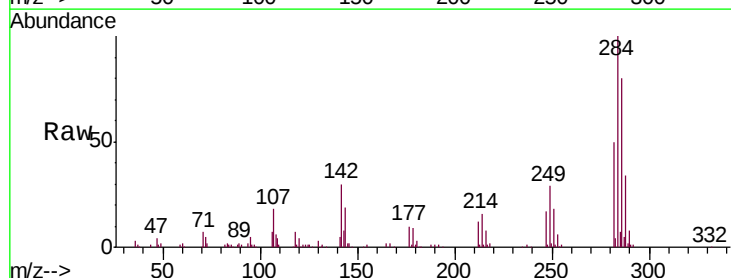


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

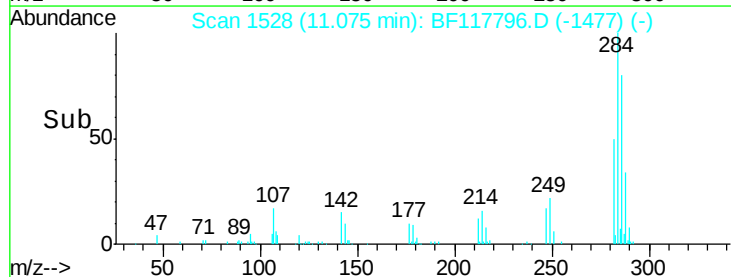
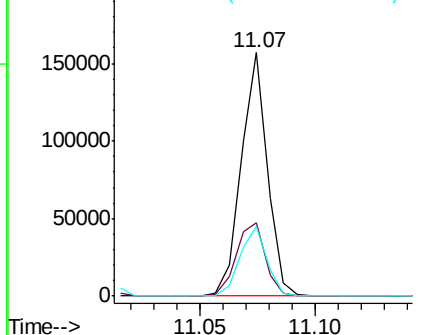


#68
Hexachlorobenzene
Concen: 8.008 ng
RT: 11.07 min Scan# 1528
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.2	29.4	44.2
249	28.7	24.6	37.0



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

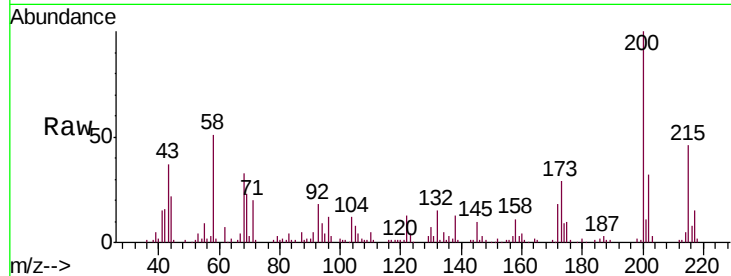




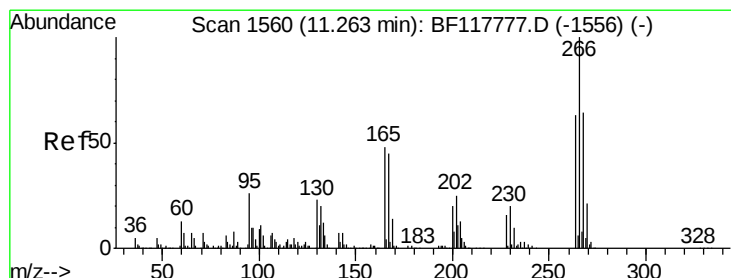
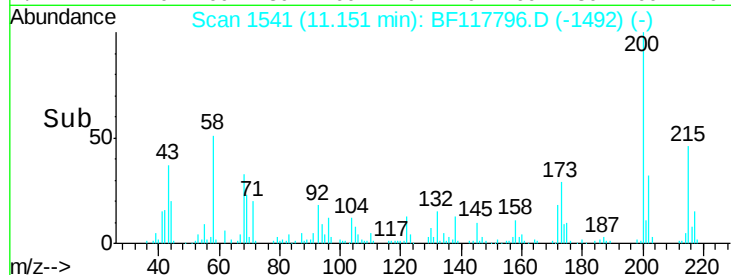
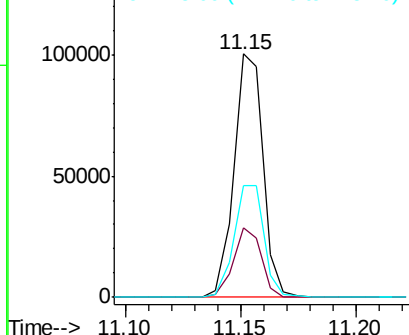
#69
Atrazine
Concen: 7.476 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion: 200 Resp: 88144
Ion Ratio Lower Upper
200 100
173 28.5 6.7 46.7
215 46.0 27.5 67.5

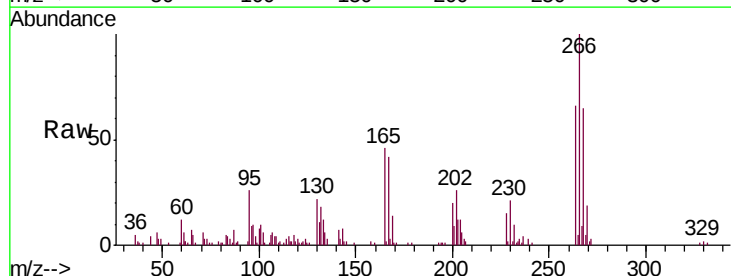


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

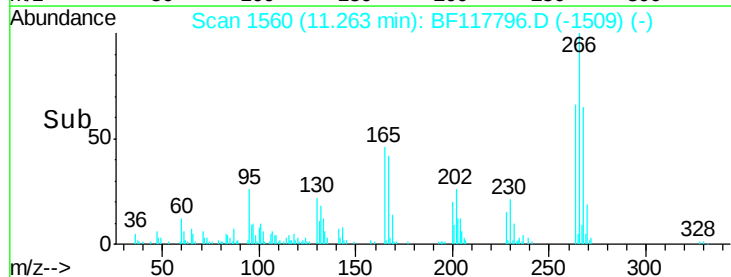
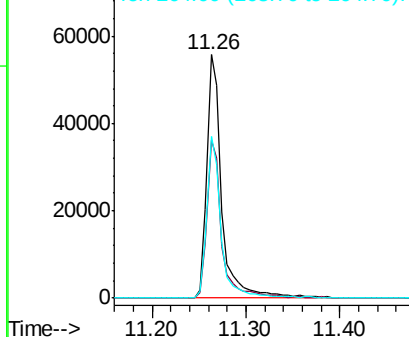


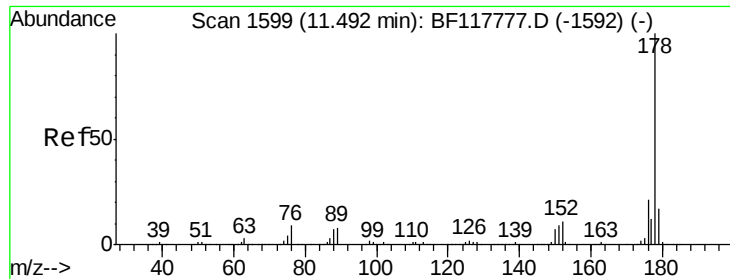
#70
Pentachlorophenol
Concen: 6.902 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion: 266 Resp: 62480
Ion Ratio Lower Upper
266 100
268 65.0 50.8 76.2
264 66.5 50.7 76.1



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

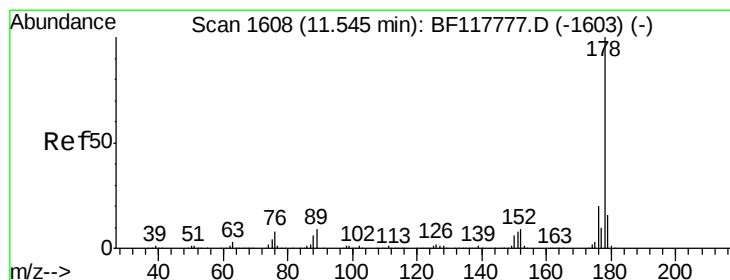
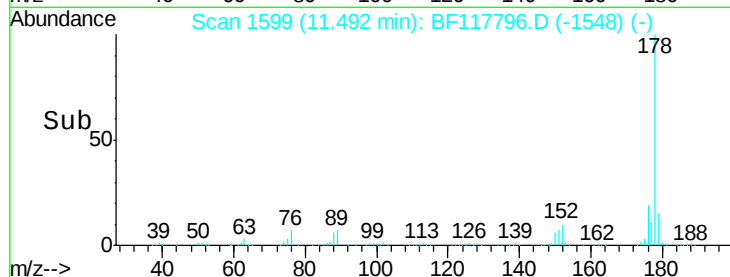
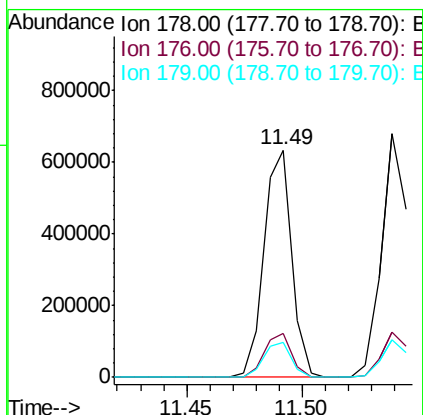
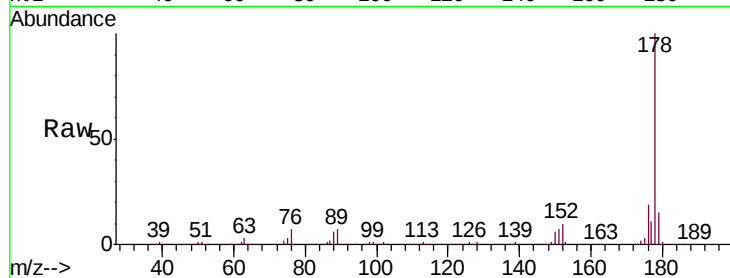




#71
Phenanthrene
Concen: 8.600 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

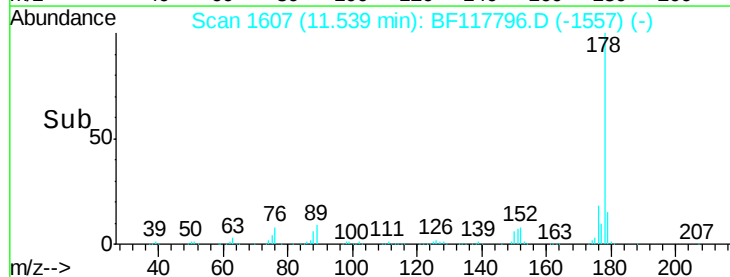
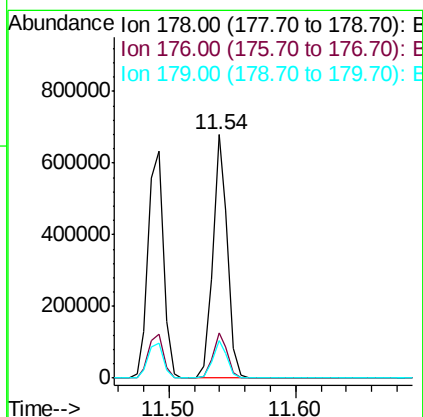
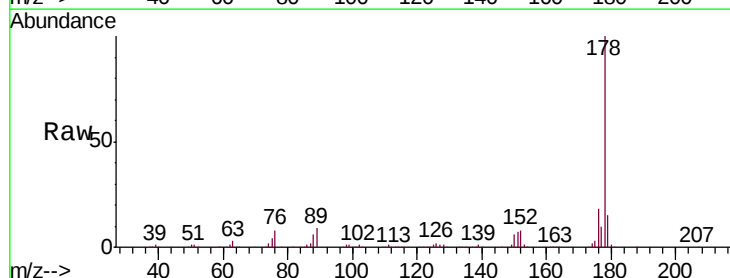
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tgt Ion:178 Resp: 532528
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.5 13.2 19.8



#72
Anthracene
Concen: 8.968 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:178 Resp: 550561
Ion Ratio Lower Upper
178 100
176 18.4 16.1 24.1
179 15.4 13.0 19.4

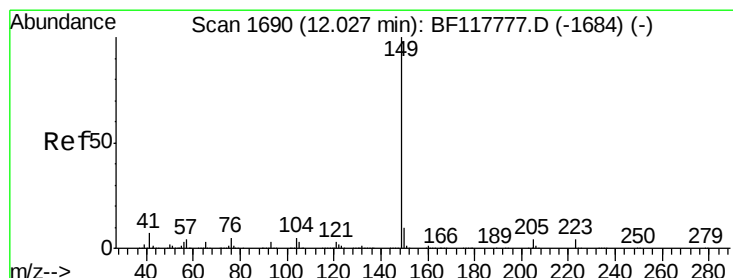
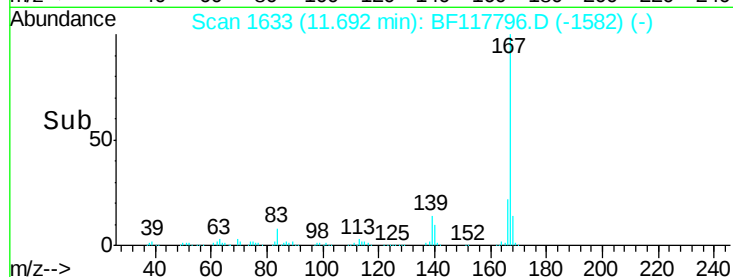
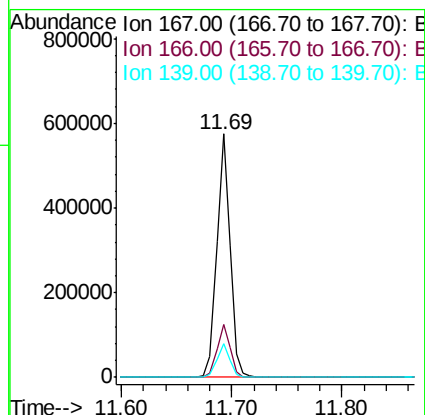
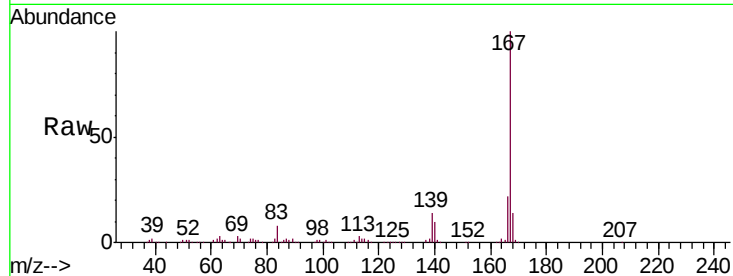




#73
 Carbazole
 Concen: 8.819 ng
 RT: 11.69 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

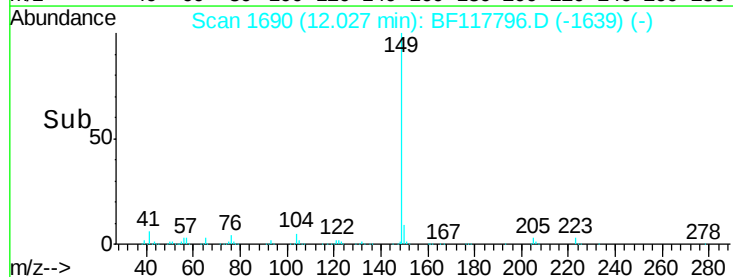
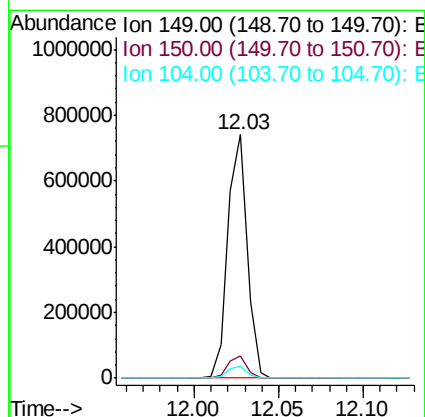
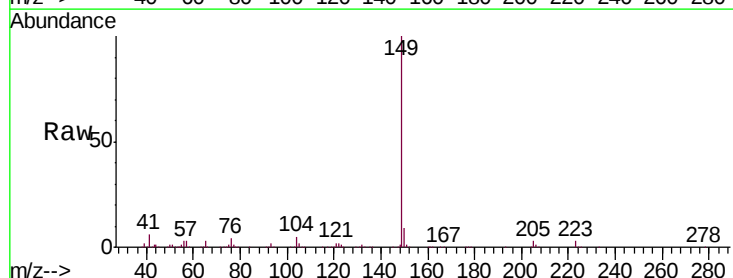
Instrument :
 BNA_F
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

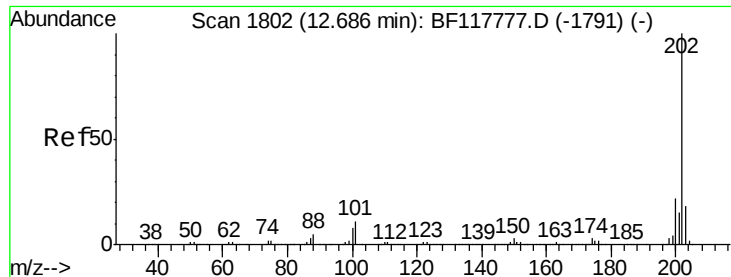
Tgt Ion:167 Resp: 473126
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.0 27.0
 139 13.6 11.7 17.5



#74
 Di-n-butylphthalate
 Concen: 8.808 ng
 RT: 12.03 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: BF117796.D
 Acq: 15 Nov 2019 10:08

Tgt Ion:149 Resp: 588348
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.9 11.9
 104 4.7 4.2 6.4





#75

Fluoranthene

Concen: 2.652 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

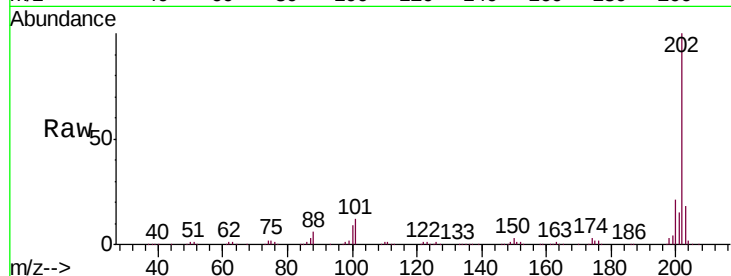
Tgt Ion:202 Resp: 548827

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.1

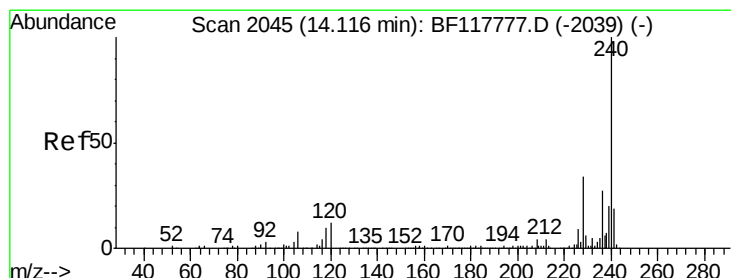
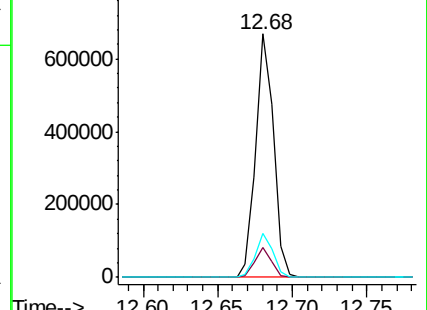
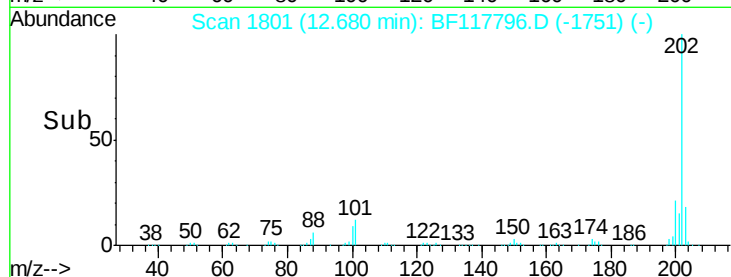
203 17.8 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.12 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

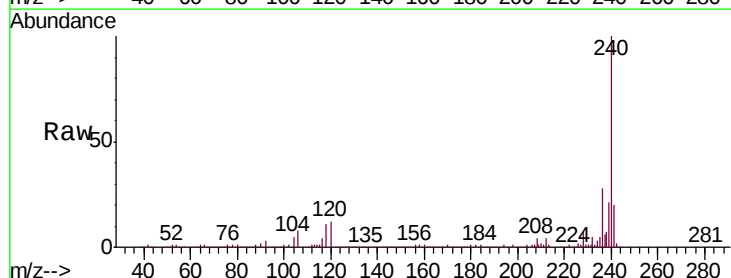
Tgt Ion:240 Resp: 934480

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

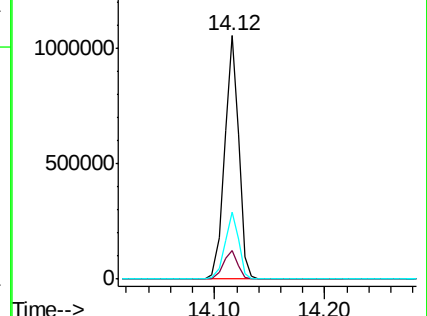
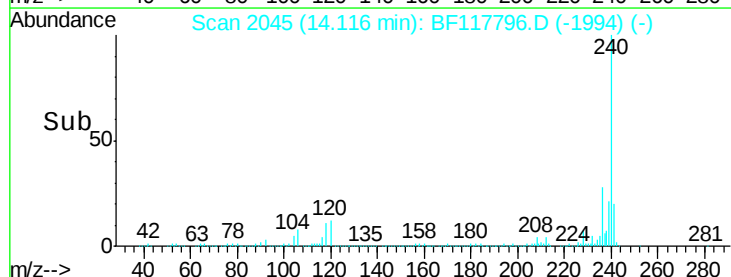
236 27.6 21.3 31.9

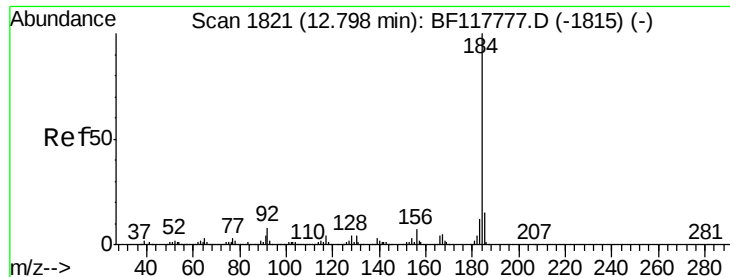


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.817 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

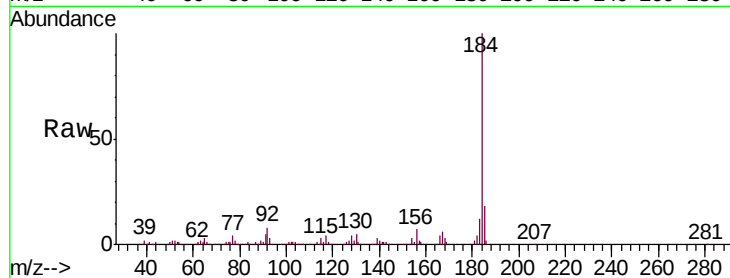
Tgt Ion:184 Resp: 269885

Ion Ratio Lower Upper

184 100

185 17.6 12.2 18.4

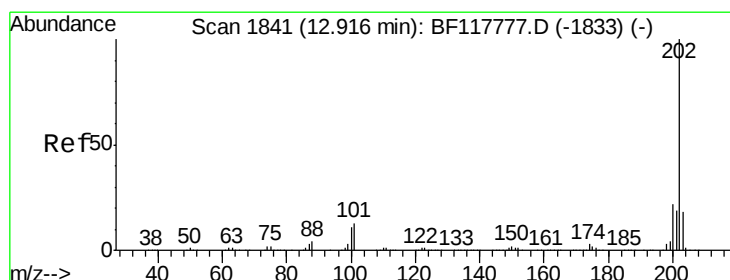
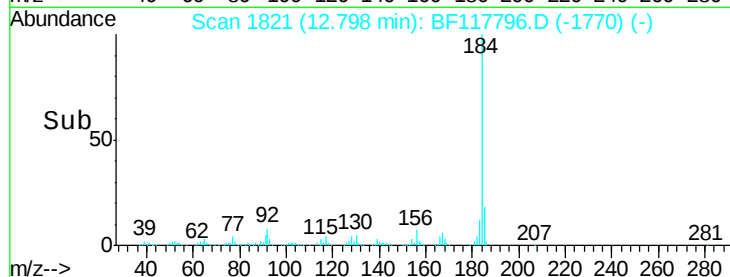
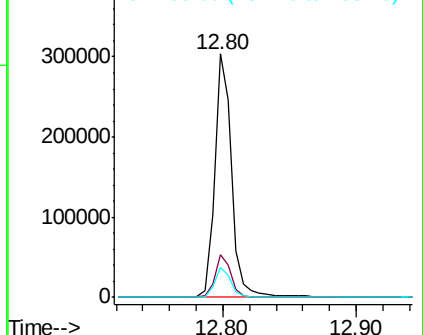
183 12.4 9.5 14.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.428 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

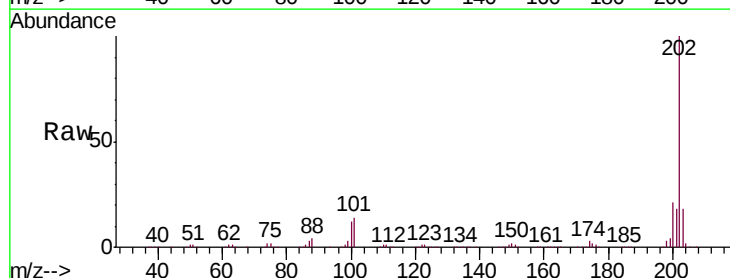
Tgt Ion:202 Resp: 560943

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.8

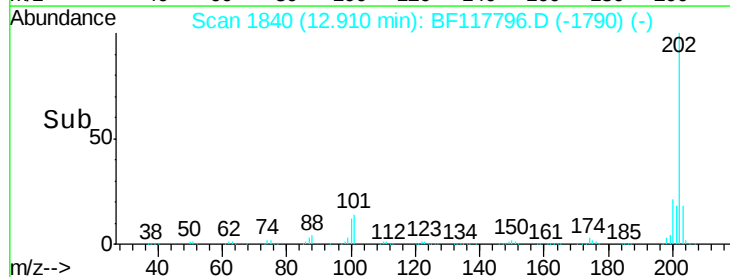
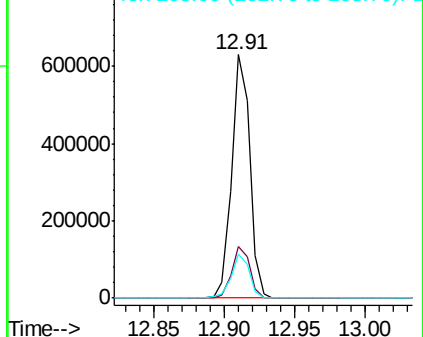
203 17.8 14.6 22.0

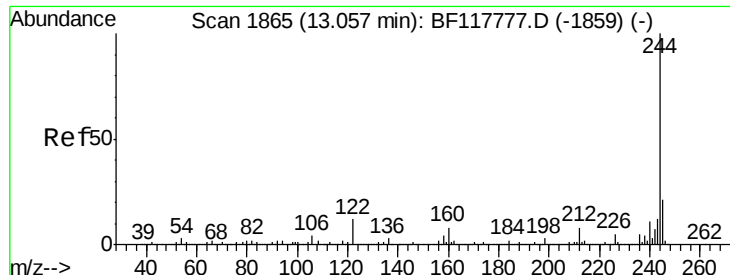


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.906 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

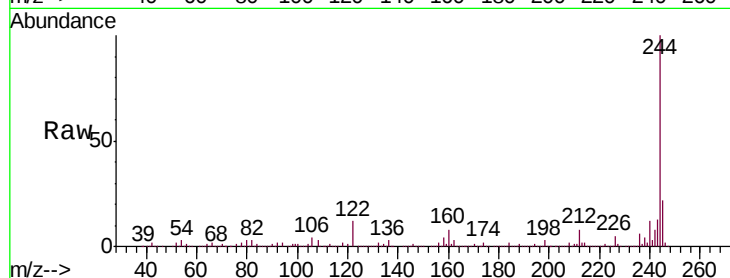
Tgt Ion:244 Resp: 4187942

Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

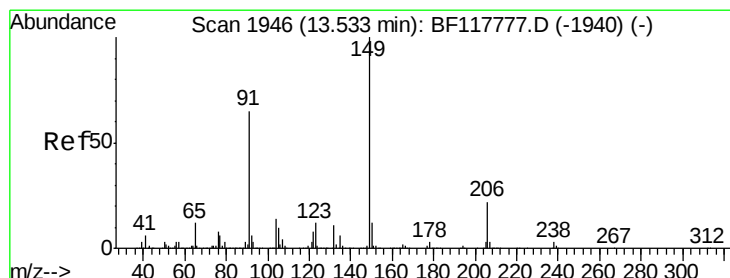
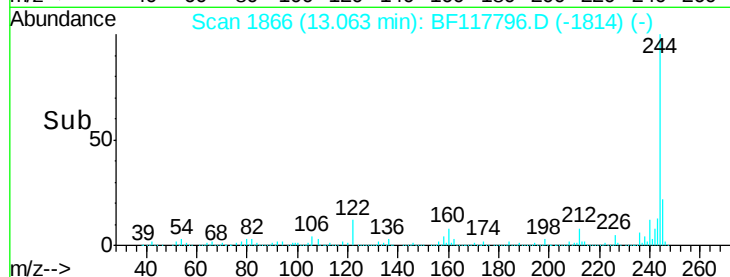
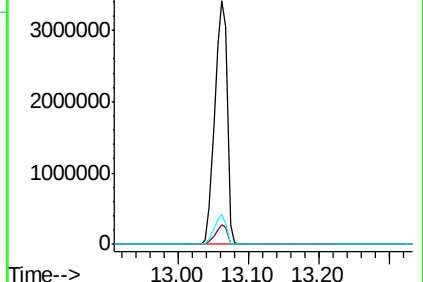
122 12.3 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 7.188 ng

RT: 13.53 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

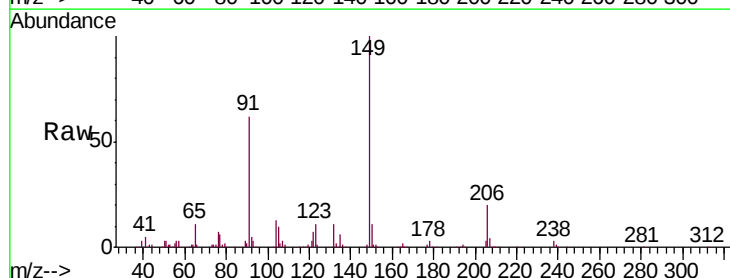
Tgt Ion:149 Resp: 233146

Ion Ratio Lower Upper

149 100

91 62.3 51.9 77.9

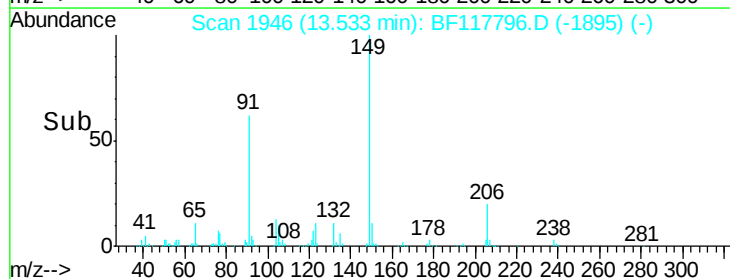
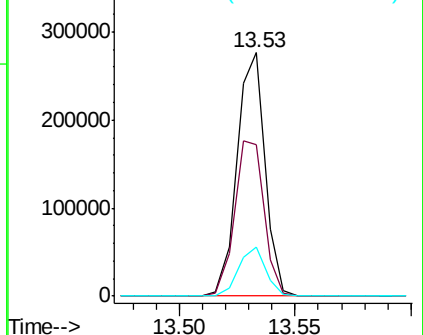
206 20.1 17.2 25.8

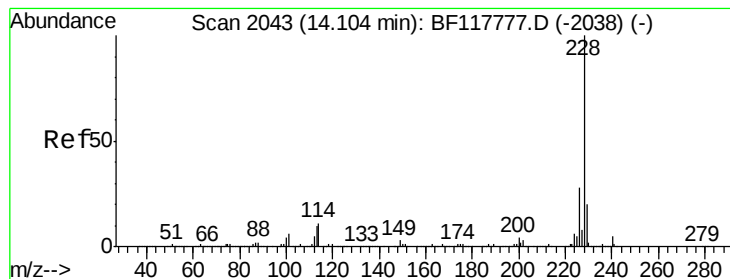


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.017 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

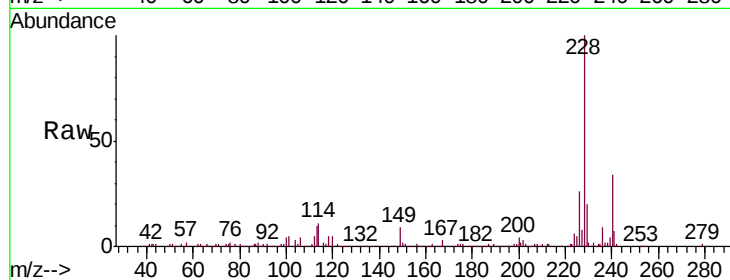
Tgt Ion:228 Resp: 495062

Ion Ratio Lower Upper

228 100

226 26.4 22.2 33.2

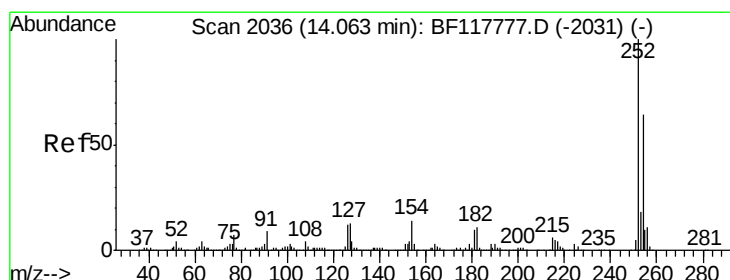
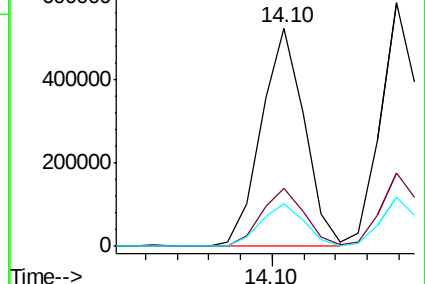
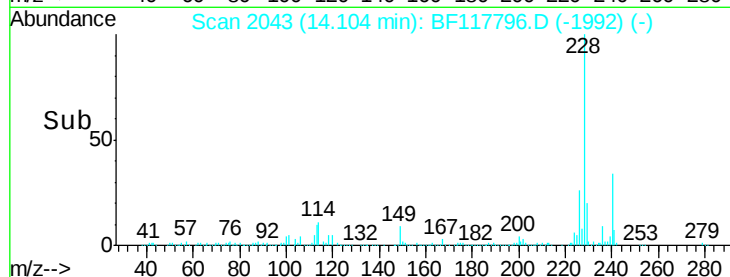
229 19.7 15.9 23.9



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: 8.737 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

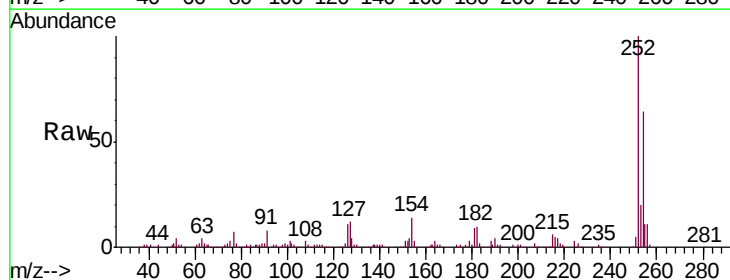
Tgt Ion:252 Resp: 188712

Ion Ratio Lower Upper

252 100

254 64.3 51.0 76.6

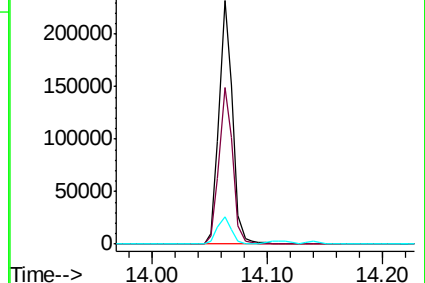
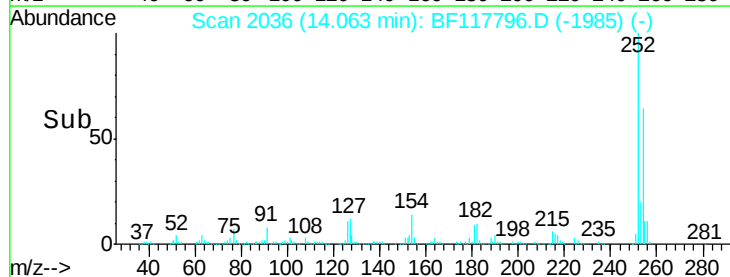
126 11.3 9.7 14.5

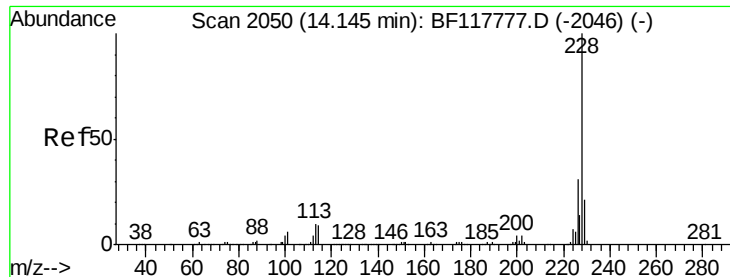


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 7.987 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

Instrument :

BNA_F

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

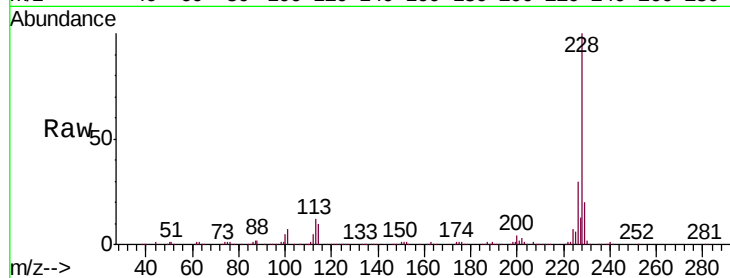
Tgt Ion:228 Resp: 477937

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.4

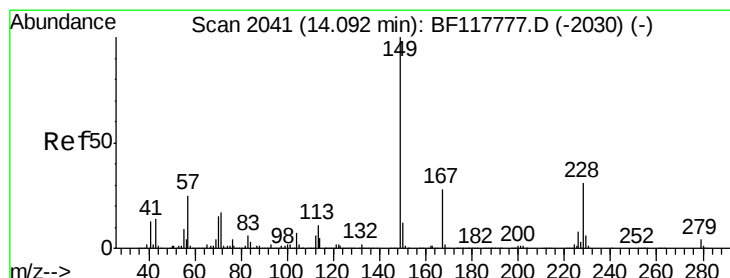
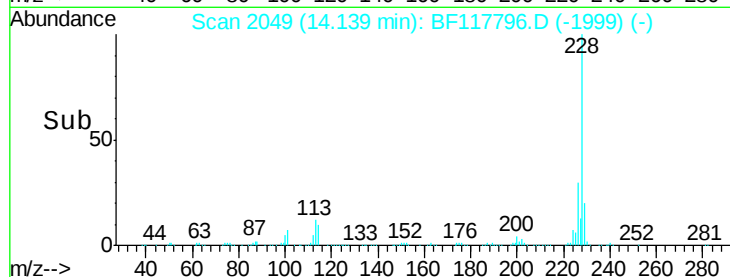
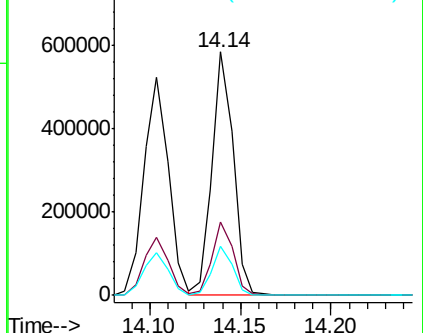
229 20.1 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.691 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BF117796.D

Acq: 15 Nov 2019 10:08

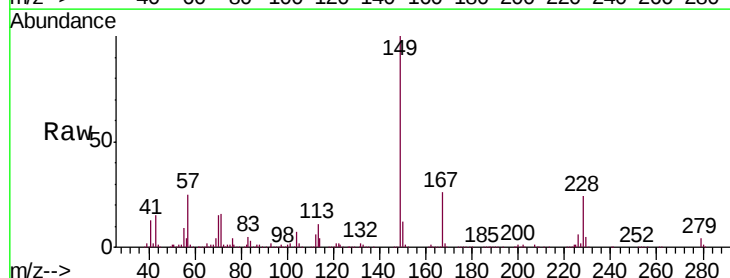
Tgt Ion:149 Resp: 341753

Ion Ratio Lower Upper

149 100

167 26.0 22.2 33.2

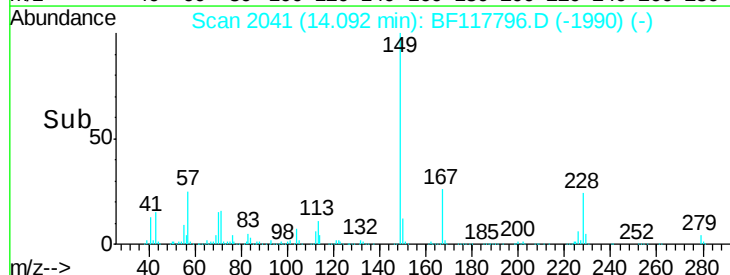
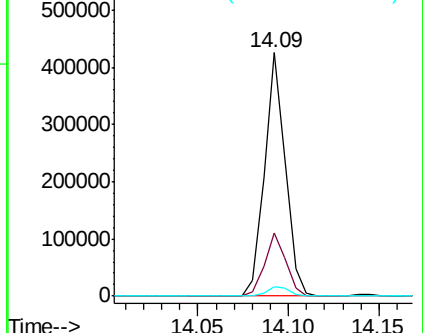
279 3.8 3.4 5.2

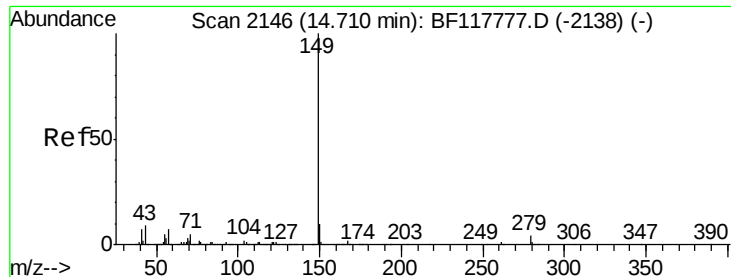


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

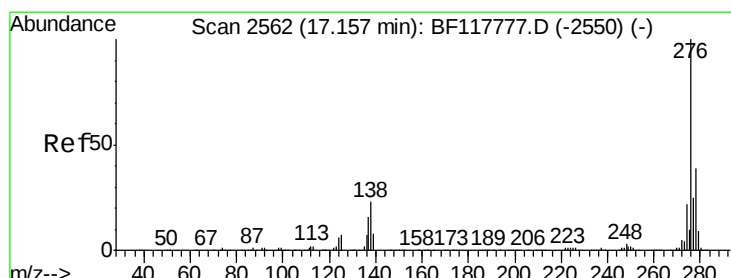
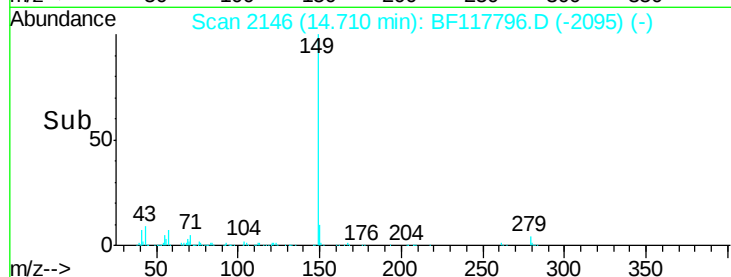
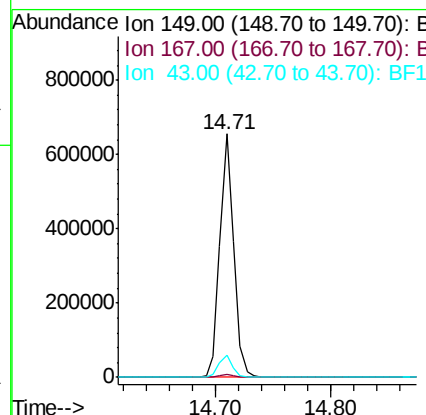
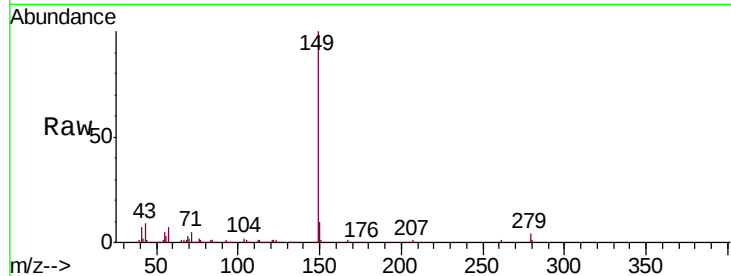




#85
Di-n-octyl phthalate
Concen: 9.435 ng
RT: 14.71 min Scan# 2146
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

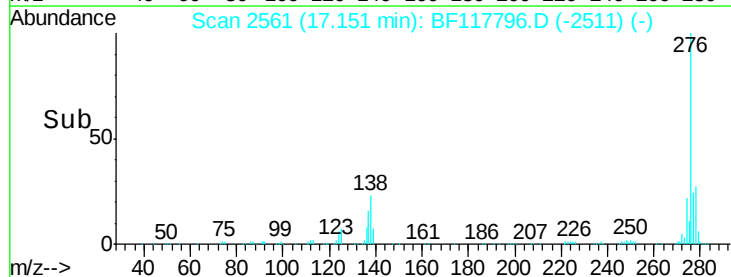
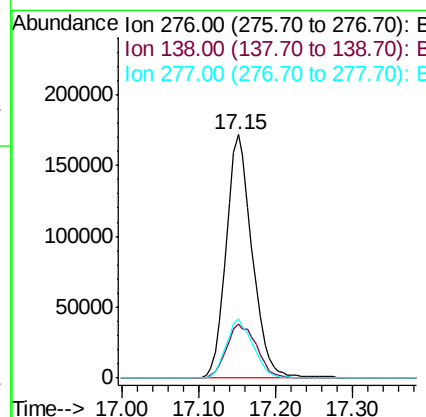
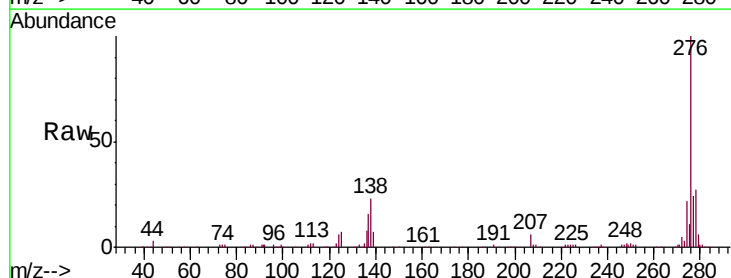
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

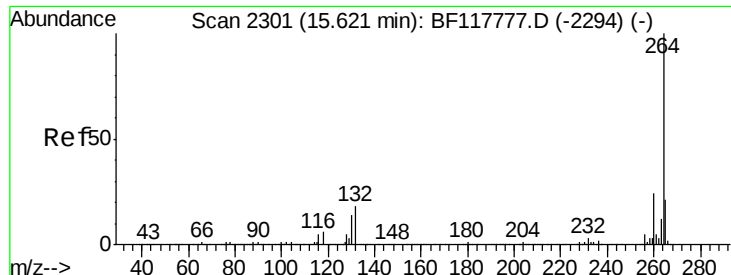
Tgt Ion:149 Resp: 545080
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 9.3 7.4 11.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.943 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:276 Resp: 404520
Ion Ratio Lower Upper
276 100
138 25.9 20.9 31.3
277 25.3 20.3 30.5

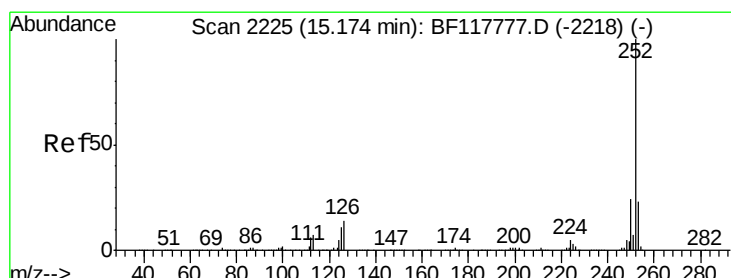
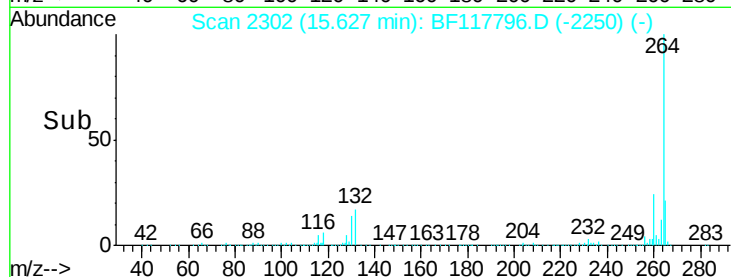
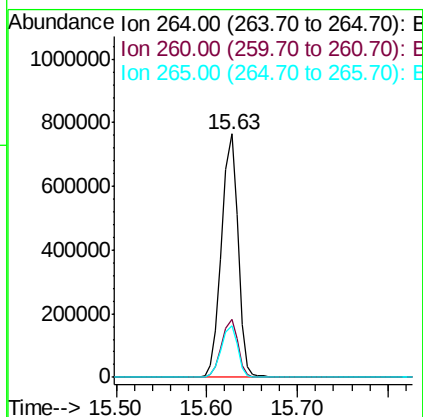
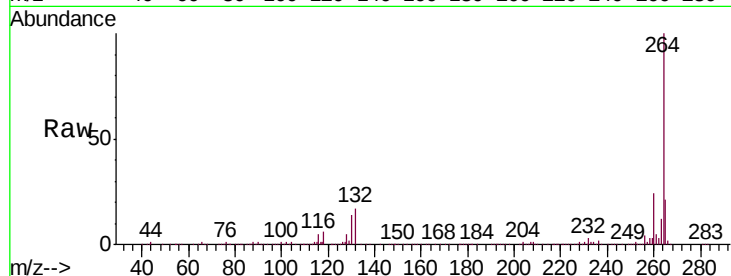




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

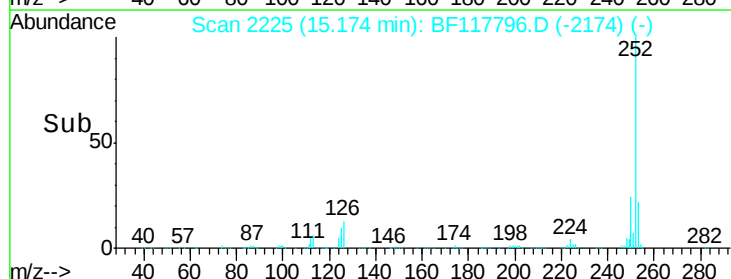
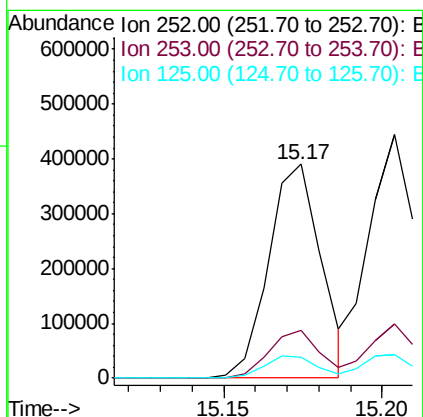
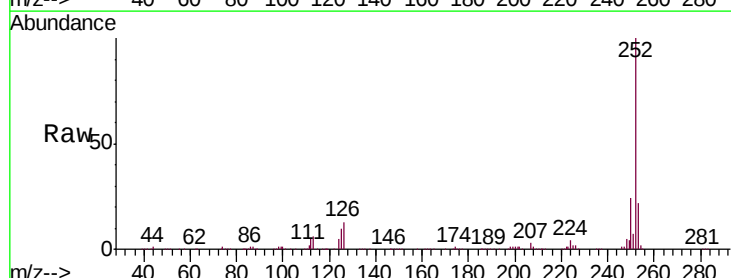
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

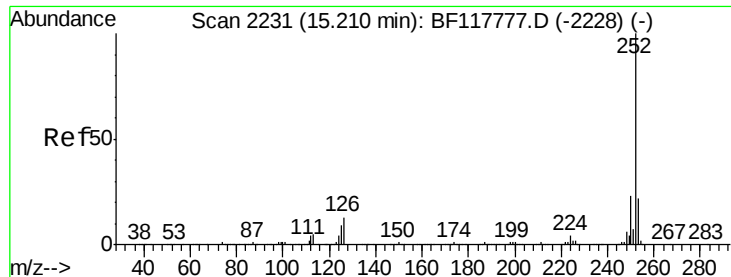
Tgt Ion:264 Resp: 963436
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.0
265 21.3 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 7.164 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:252 Resp: 448457
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 9.9 8.6 13.0

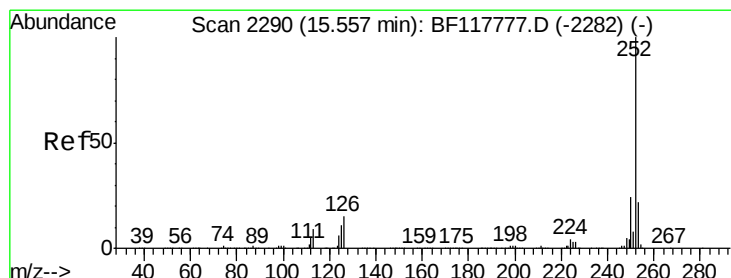
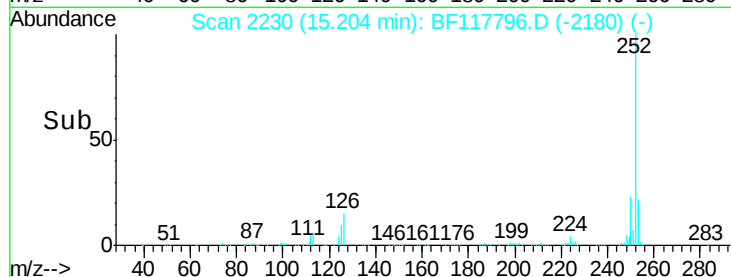
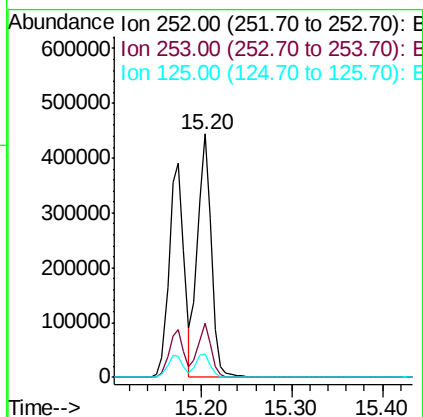
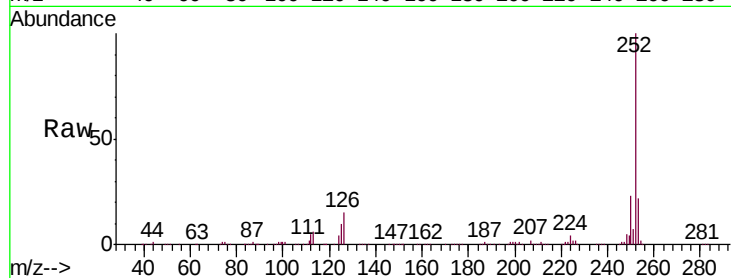




#89
Benzo(k)fluoranthene
Concen: 7.988 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

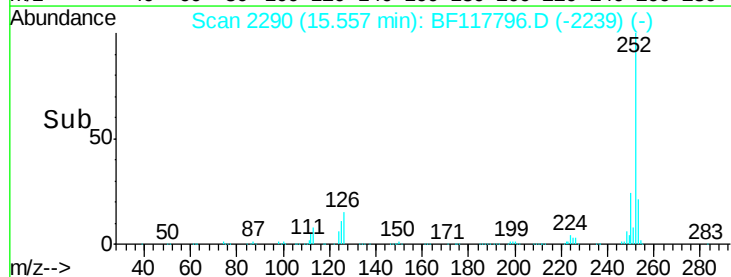
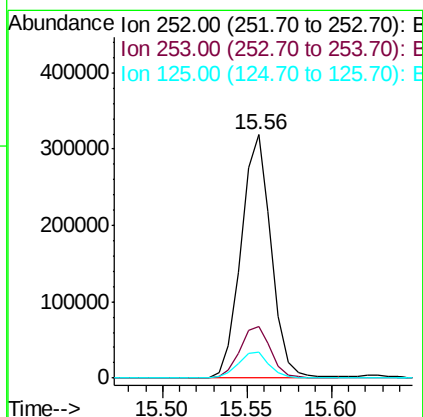
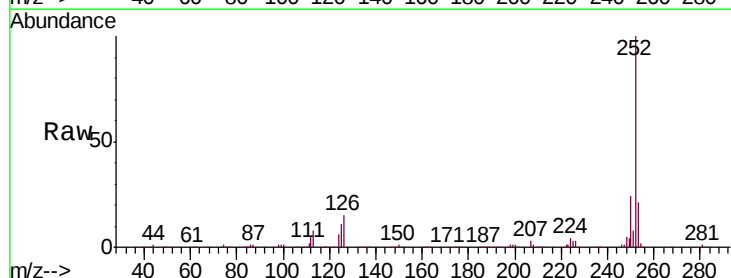
Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

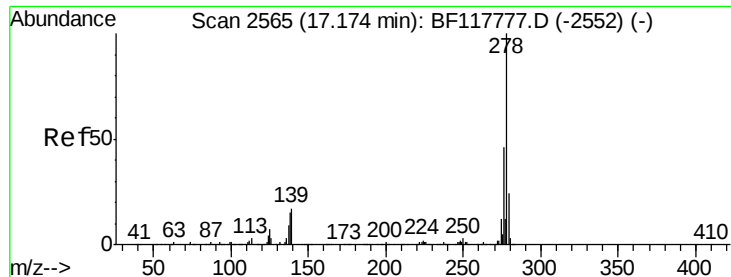
Tgt Ion:252 Resp: 471143
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 9.7 7.9 11.9



#90
Benzo(a)pyrene
Concen: 7.202 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion:252 Resp: 396426
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.6
125 10.9 9.2 13.8

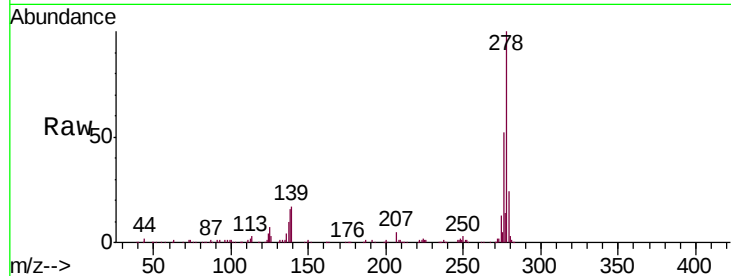




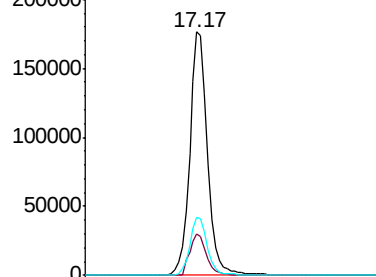
#91
Dibenzo(a,h)anthracene
Concen: 7.283 ng
RT: 17.17 min Scan# 2564
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

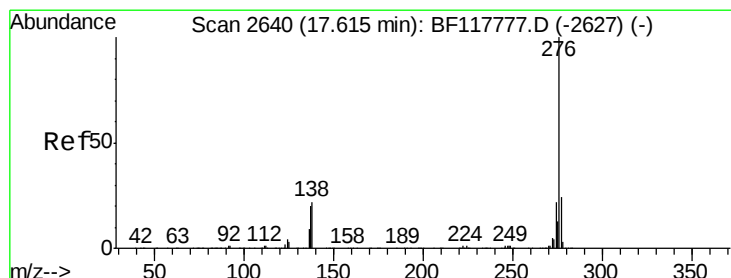
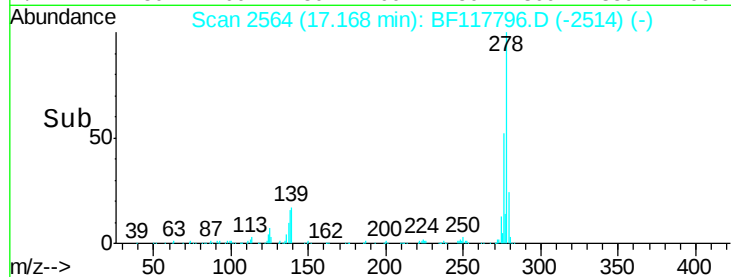
Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.8	20.8
279	23.7	19.6	29.4



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

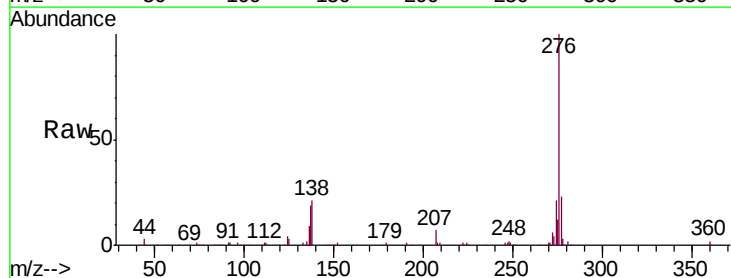


Time--> 17.00 17.20 17.40

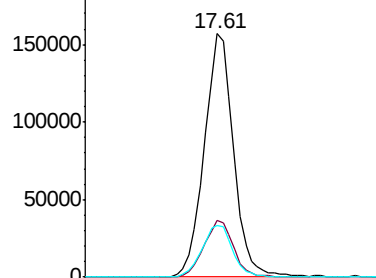


#92
Benzo(g,h,i)perylene
Concen: 6.918 ng
RT: 17.61 min Scan# 2639
Delta R.T. -0.01 min
Lab File: BF117796.D
Acq: 15 Nov 2019 10:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.9	28.3
138	21.4	17.4	26.2



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



Time--> 17.50 17.60 17.70

