

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
 Data File : BF121350.D
 Acq On : 20 Aug 2020 16:44
 Operator : JU/CG
 Sample : L3710-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-3-SOIL-DRUM

Quant Time: Aug 20 17:13:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	4986	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	19605	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	10670	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	18703	20.00	ng	0.00
76) Chrysene-d12	13.84	240	13574	20.00	ng	0.00
86) Perylene-d12	15.26	264	14497	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	614195	2019.89	ng	0.00
7) Phenol-d6	6.34	99	757069	1950.32	ng	0.00
23) Nitrobenzene-d5	7.26	82	486467	1403.35	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	216176	1738.60	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	899416	1893.19	ng	0.00
79) Terphenyl-d14	12.80	244	839213	1208.16	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.36	88	425	3.089	ng	# 73
9) Benzaldehyde	6.34	77	1120	5.129	ng	# 1
10) Phenol	6.35	94	16367	40.212	ng	# 86
11) bis(2-Chloroethyl)ether	6.35	93	645	2.058	ng	# 1
18) Hexachloroethane	7.31	117	399	2.981	ng	# 1
19) n-Nitroso-di-n-propylamine	7.26	70	63186	302.664	ng	# 79
24) Nitrobenzene	7.26	77	1521	4.305	ng	# 32
25) Isophorone	7.26	82	486462	771.131	ng	# 65
31) Naphthalene	8.00	128	2176	2.230	ng	# 97
46) 1,1'-Biphenyl	9.15	154	1738	2.173	ng	# 87
48) 2-Nitroaniline	9.45	65	1946	9.381	ng	# 1
49) Acenaphthylene	9.59	152	32781	33.497	ng	# 99
50) Dimethylphthalate	9.45	163	199756	257.330	ng	# 100
51) 2,6-Dinitrotoluene	9.45	165	2039	12.299	ng	# 1
52) Acenaphthene	9.76	154	1742	2.930	ng	# 99
55) Dibenzofuran	9.93	168	928	Below Cal		# 88
56) 4-Nitrophenol	9.93	139	309	2.416	ng	# 8
58) Fluorene	10.27	166	4457	2.099	ng	# 98
65) 4,6-Dinitro-2-methylphenol	10.51	198	329	3.289	ng	# 1
67) 4-Bromophenyl-phenylether	10.52	248	12263	59.109	ng	# 1
71) Phenanthrene	11.23	178	67726	69.967	ng	# 98
72) Anthracene	11.28	178	30354	32.564	ng	# 99
73) Carbazole	11.44	167	9759	10.970	ng	# 96
74) Di-n-butylphthalate	11.77	149	5999	5.592	ng	# 80
75) Fluoranthene	12.42	202	204444	194.588	ng	# 98
77) Benzidine	12.79	184	11431	30.566	ng	# 94
78) Pyrene	12.64	202	284764	279.279	ng	# 99
80) Butylbenzylphthalate	13.27	149	2270	5.181	ng	# 82
81) Benzo(a)anthracene	13.83	228	167858	199.097	ng	# 96
83) Chrysene	13.87	228	197175	228.668	ng	# 98
84) Bis(2-ethylhexyl)phthalate	13.83	149	218492	424.058	ng	# 99
85) Di-n-octyl phthalate	14.43	149	6458	6.773	ng	# 75
87) Indeno(1,2,3-cd)pyrene	16.61	276	74853	84.586	ng	# 97
88) Benzo(b)fluoranthene	14.86	252	365192	389.927	ng	# 99

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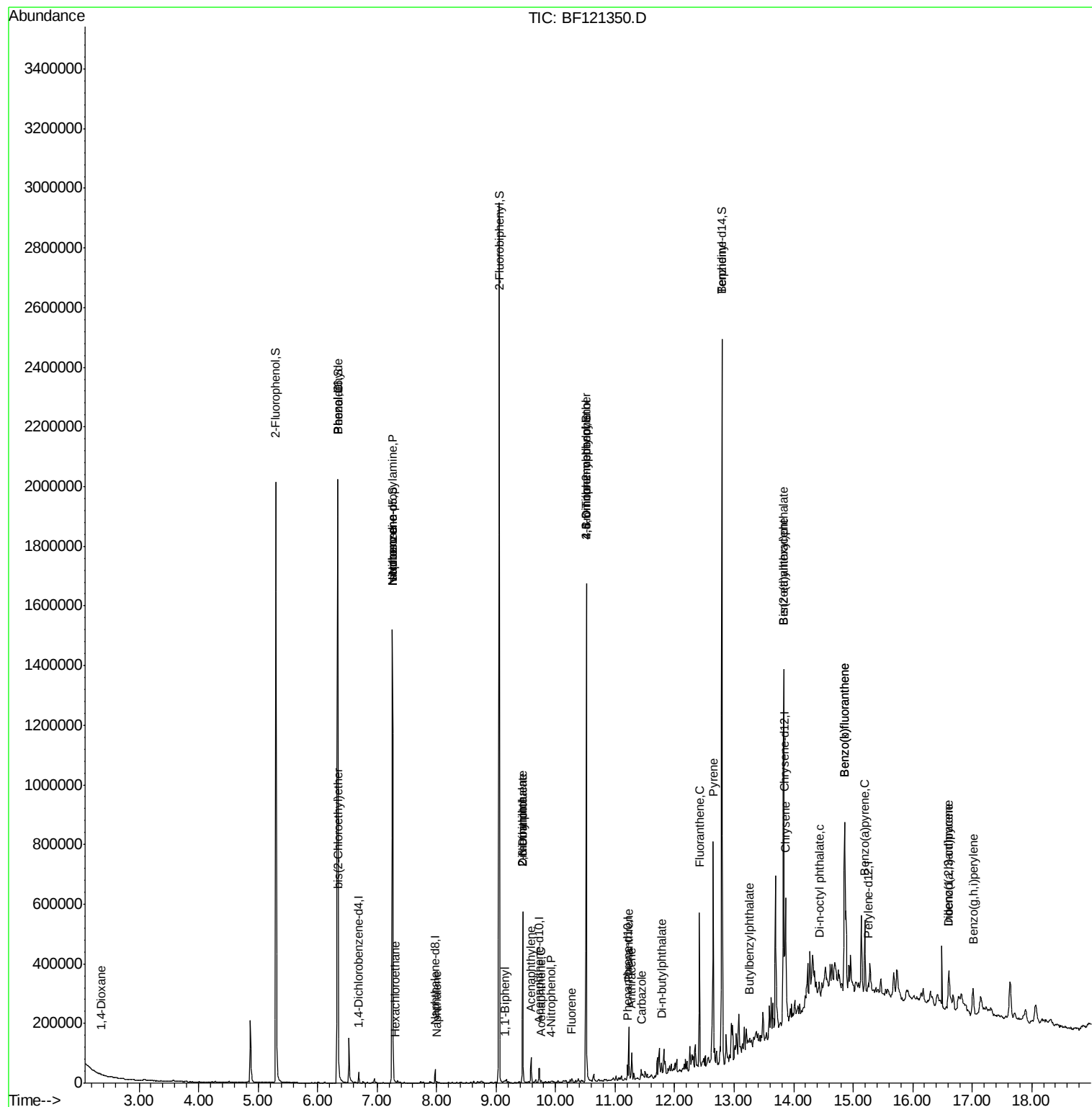
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	14.86	252	365192	442.966	ng	99
90) Benzo(a)pyrene	15.20	252	106495	131.601	ng	99
91) Dibenzo(a,h)anthracene	16.62	278	23485	32.368	ng	# 82
92) Benzo(g,h,i)perylene	17.02	276	66600	93.892	ng	96

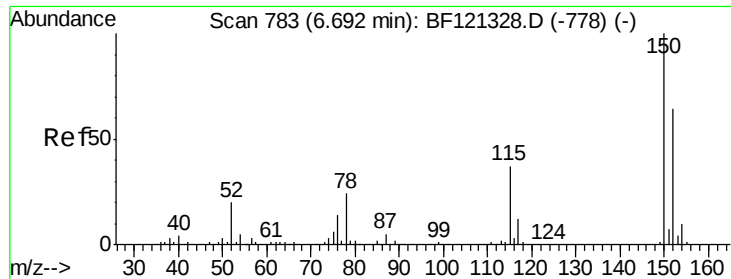
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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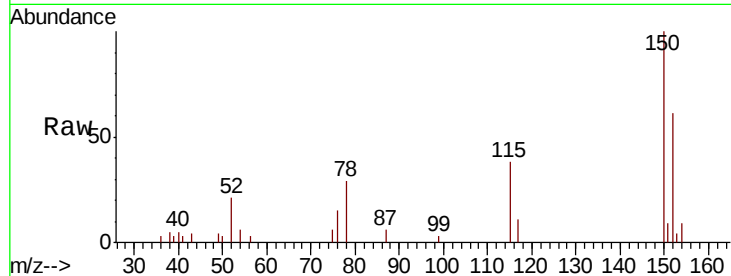


#1

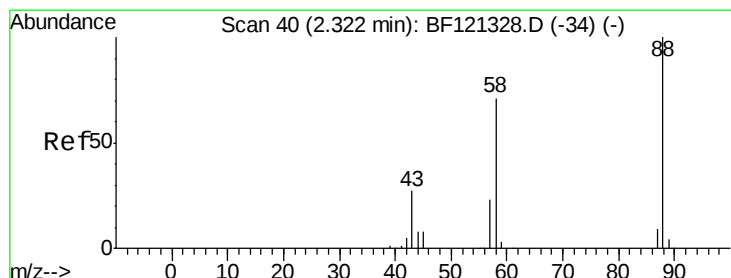
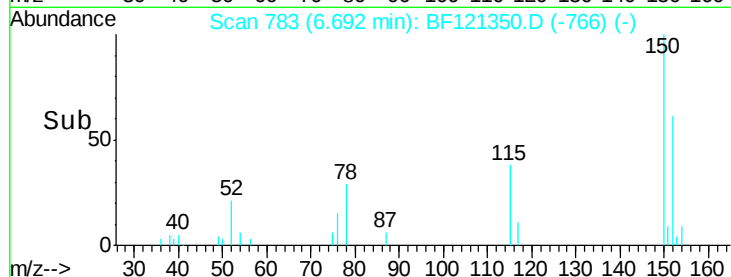
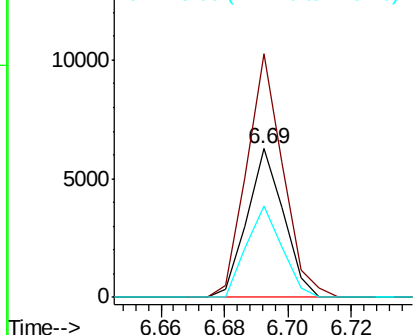
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Instrument :
BNA_F
ClientSampleId :
1-3-SOIL-DRUM

Tot Ion:152 Resp: 4986
Ion Ratio Lower Upper
152 100
150 163.8 124.8 187.2
115 61.8 46.1 69.1



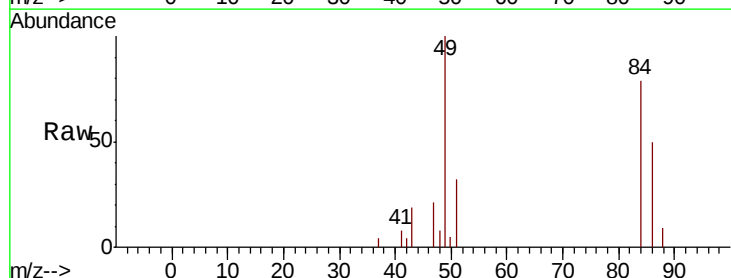
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



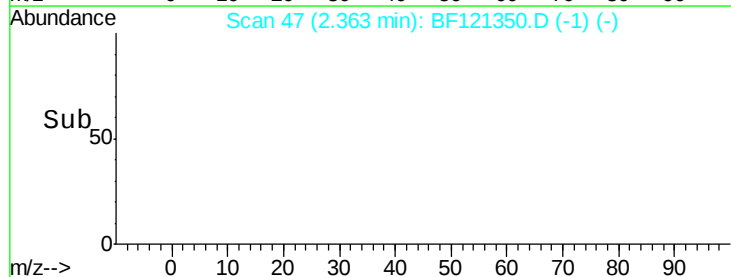
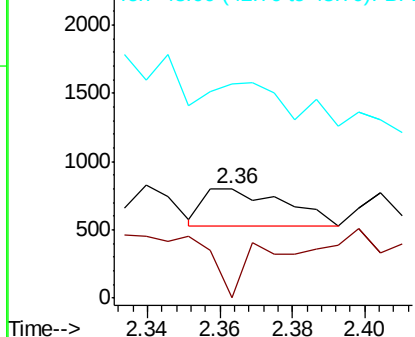
#2

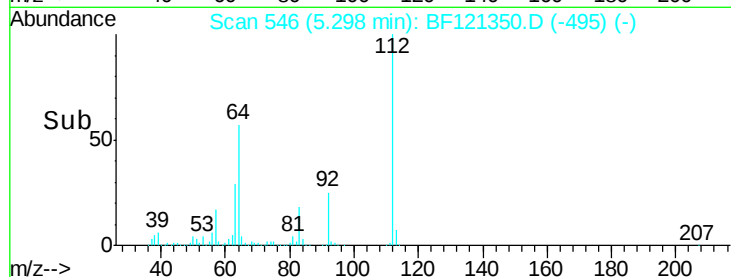
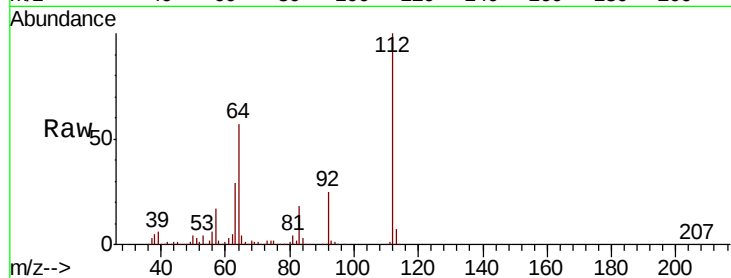
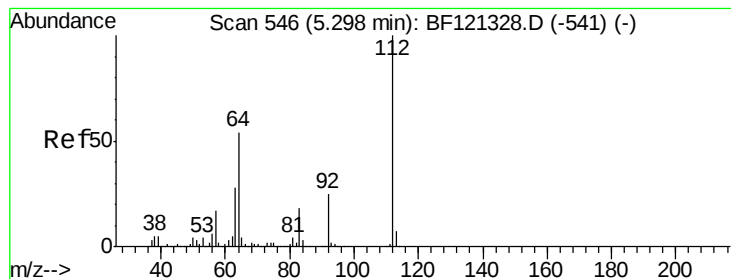
1,4-Dioxane
Concen: 3.089 ng
RT: 2.36 min Scan# 47
Delta R.T. 0.04 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Tgt Ion: 88 Resp: 425
Ion Ratio Lower Upper
88 100
58 87.8 58.5 87.7#
43 0.0 21.8 32.8#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 2019.889 ng

RT: 5.30 min Scan# 546

Delta R.T. -0.00 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

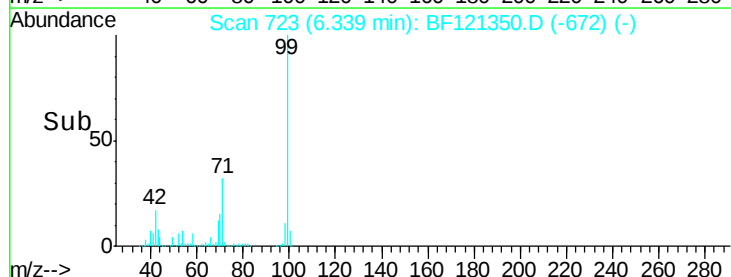
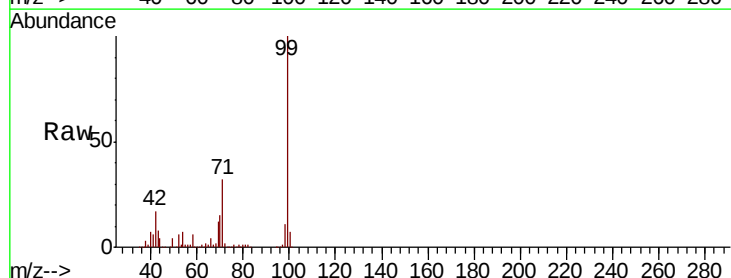
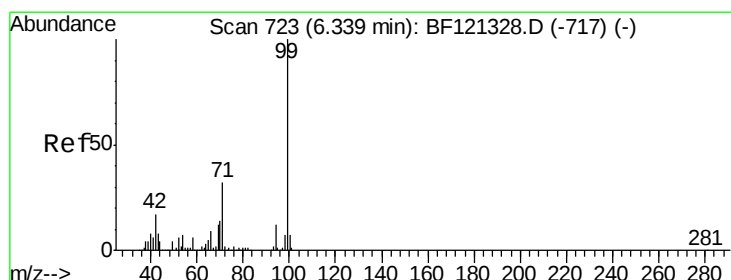
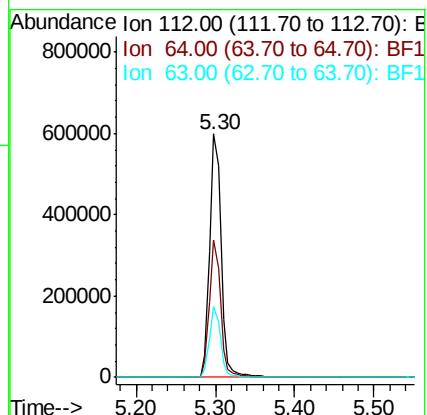
Tot Ion:112 Resp: 614195

Ion Ratio Lower Upper

112 100

64 56.6 43.5 65.3

63 29.0 22.0 33.0



#7

Phenol-d6

Concen: 1950.318 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

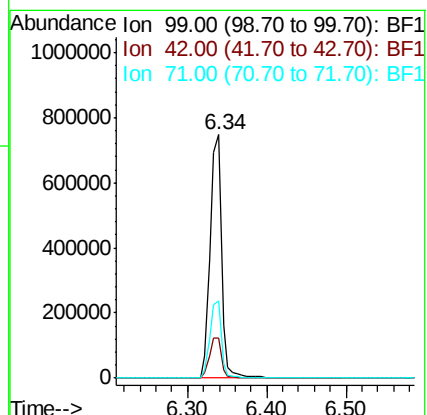
Tgt Ion: 99 Resp: 757069

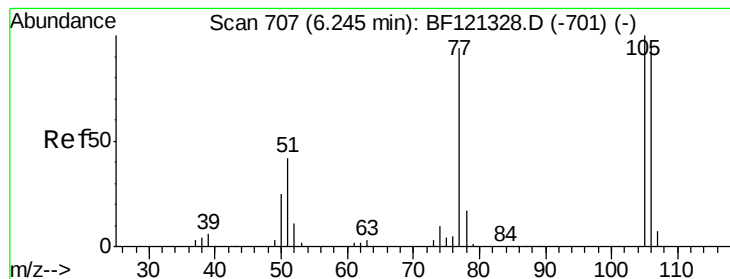
Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

71 31.6 25.2 37.8





#9

Benzaldehyde

Concen: 5.129 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.09 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

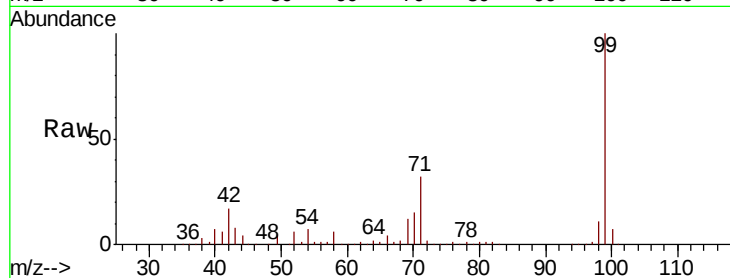
Tot Ion: 77 Resp: 1120

Ion Ratio Lower Upper

77 100

105 0.0 86.3 126.3#

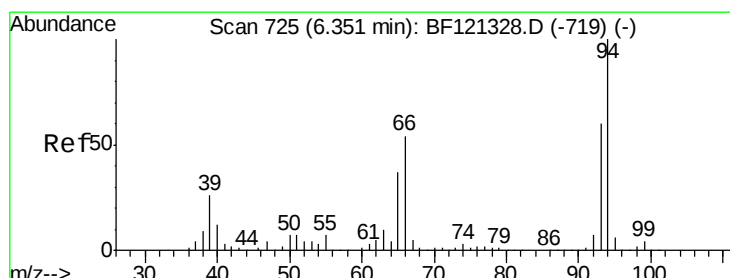
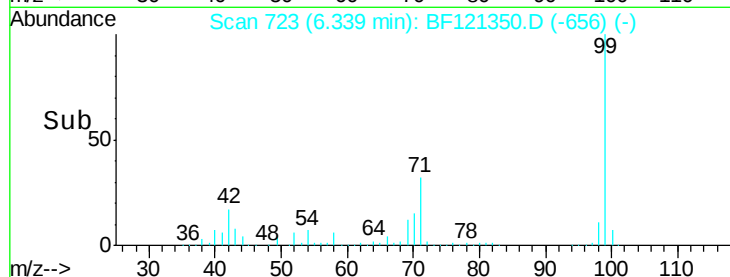
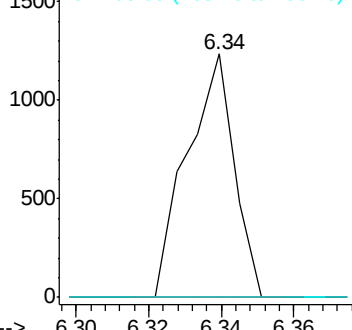
106 0.0 81.2 121.2#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 40.212 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

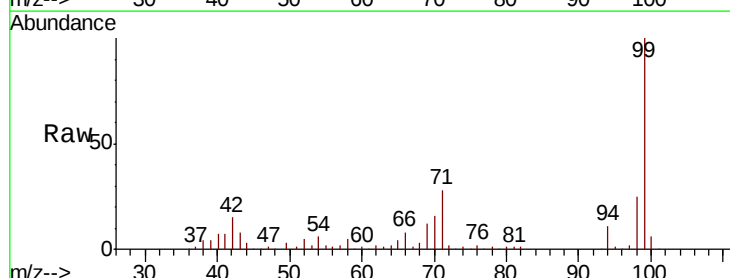
Tgt Ion: 94 Resp: 16367

Ion Ratio Lower Upper

94 100

65 37.2 16.6 56.6

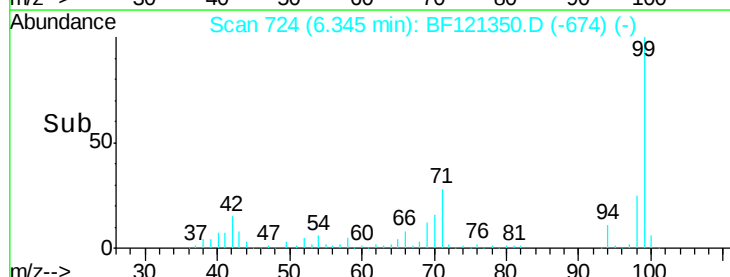
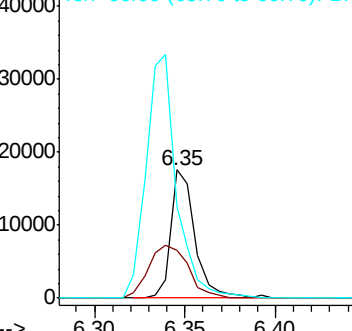
66 71.1 34.3 74.3

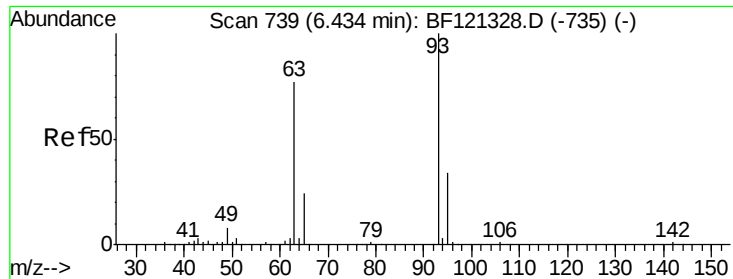


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

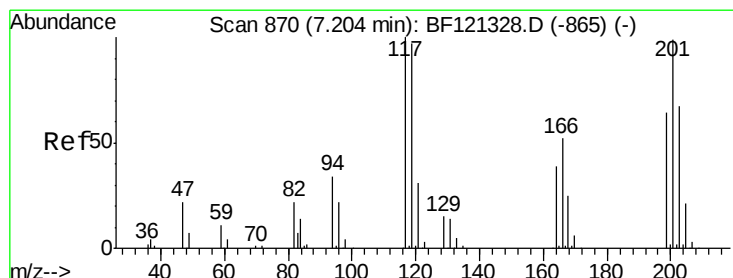
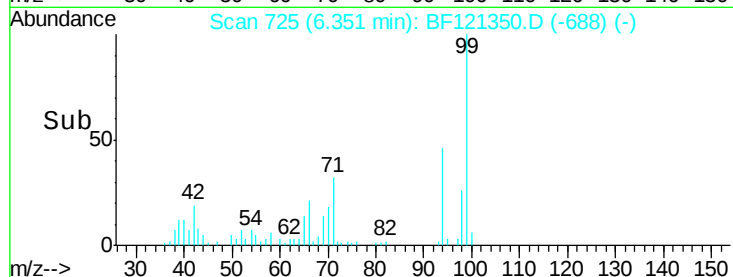
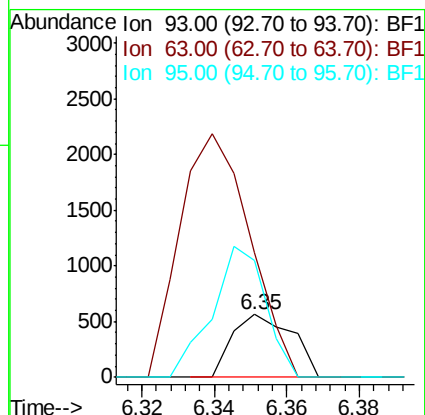
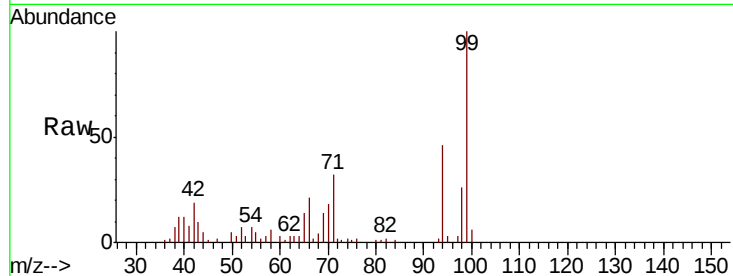




#11
bis(2-Chloroethyl)ether
Concen: 2.058 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.08 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

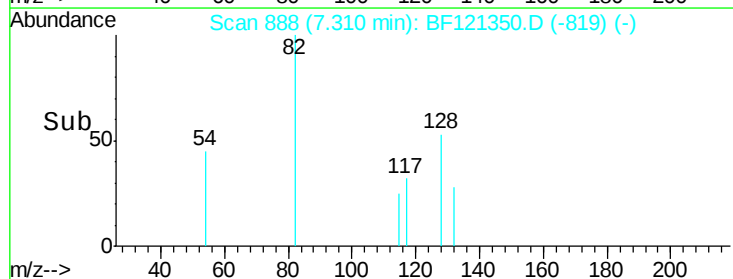
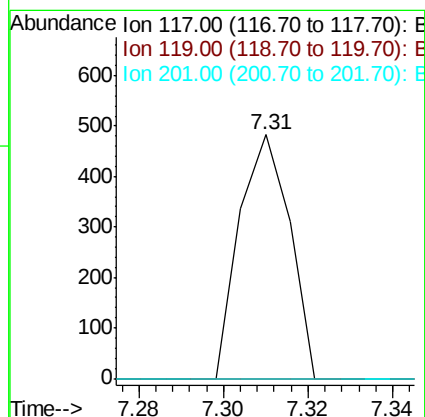
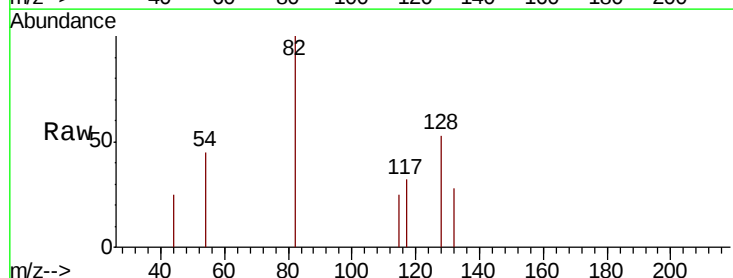
Instrument :
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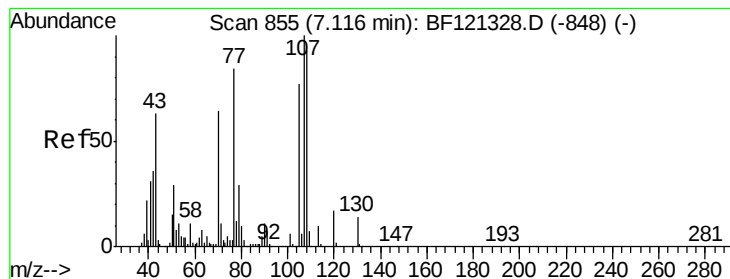
Tot Ion: 93 Resp: 645
Ion Ratio Lower Upper
93 100
63 198.9 56.4 96.4#
95 186.8 13.5 53.5#



#18
Hexachloroethane
Concen: 2.981 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.11 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Tgt Ion: 117 Resp: 399
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
201 0.0 79.4 119.0#





#19

n-Nitroso-di-n-propylamine

Concen: 302.664 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

Tot Ion: 70 Resp: 63186

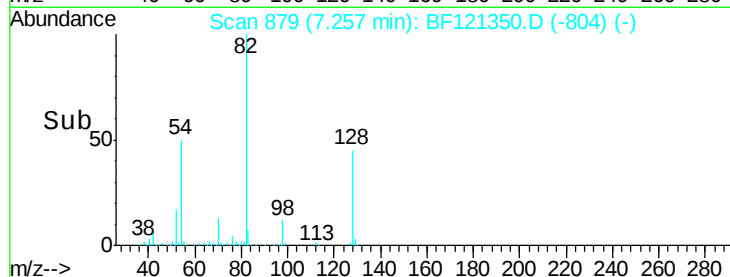
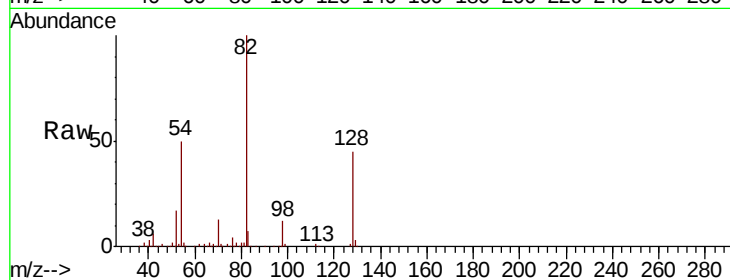
Ion Ratio Lower Upper

70 100

42 47.3 45.2 67.8

101 0.0 7.7 11.5#

130 2.3 17.6 26.4#

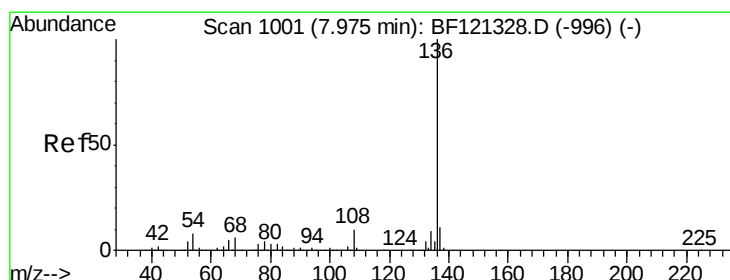
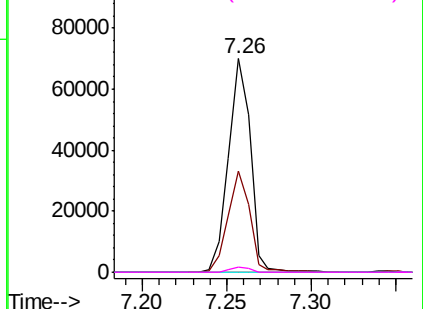


Abundance Ion 70.00 (69.70 to 70.70): BF1

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Tgt Ion:136 Resp: 19605

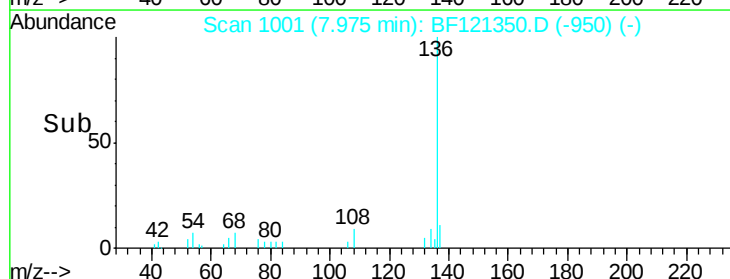
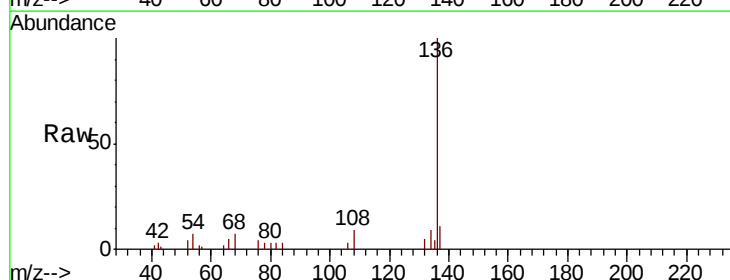
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.2 6.1 9.1

68 6.8 5.0 7.4

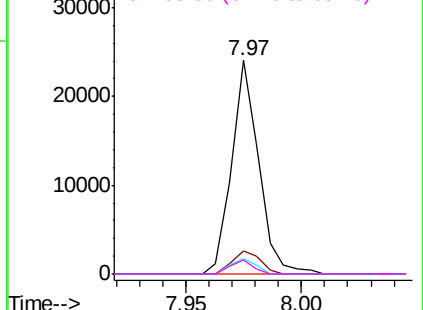


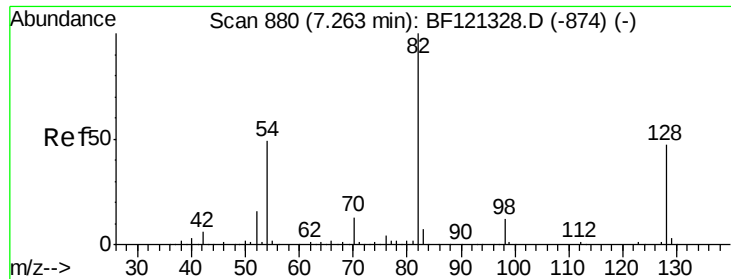
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

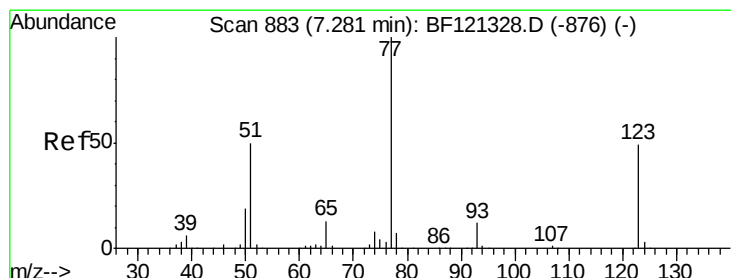
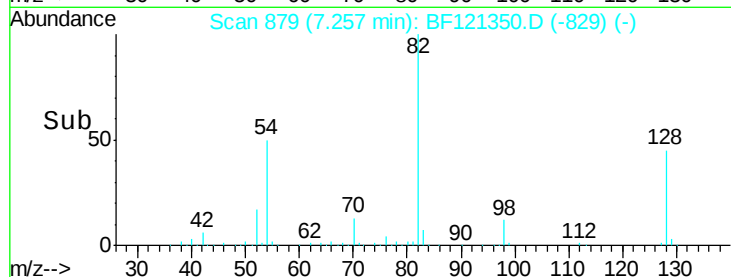
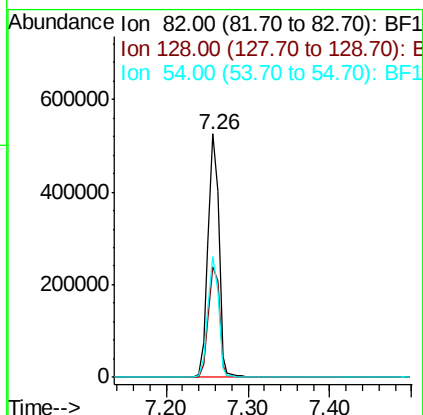
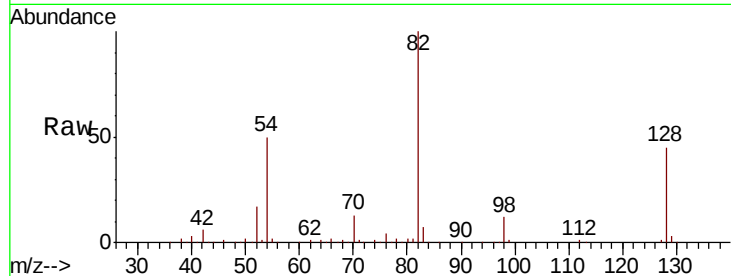




#23
 Nitrobenzene-d5
 Concen: 1403.351 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

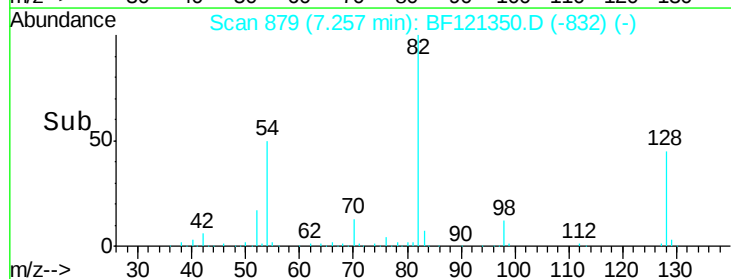
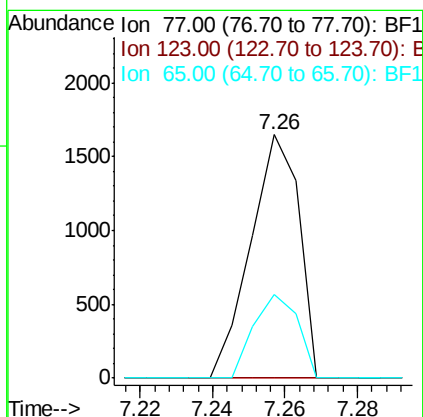
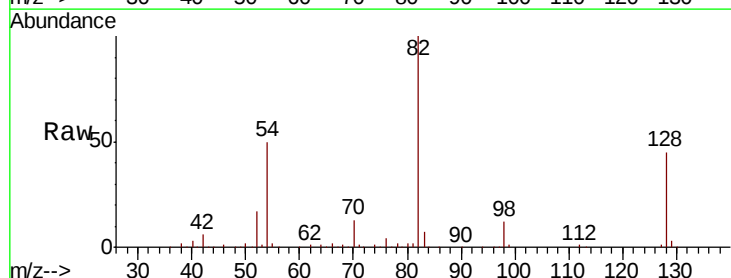
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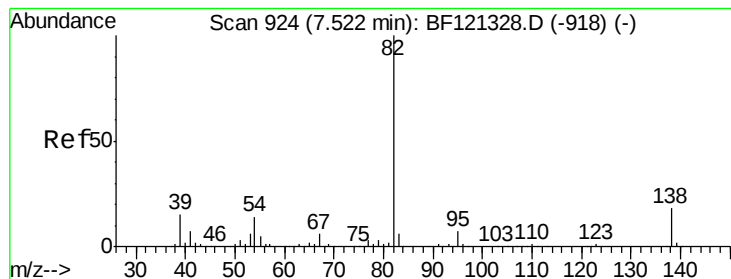
Tot Ion: 82 Resp: 486467
 Ion Ratio Lower Upper
 82 100
 128 45.4 37.9 56.9
 54 49.8 39.0 58.4



#24
 Nitrobenzene
 Concen: 4.305 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Tgt Ion: 77 Resp: 1521
 Ion Ratio Lower Upper
 77 100
 123 0.0 39.2 58.8#
 65 34.1 10.6 15.8#





#25

Isophorone

Concen: 771.131 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

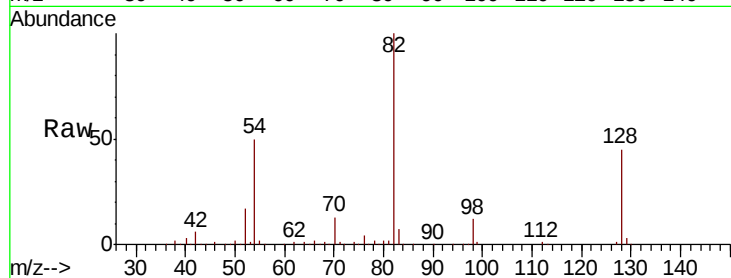
Tot Ion: 82 Resp: 486462

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

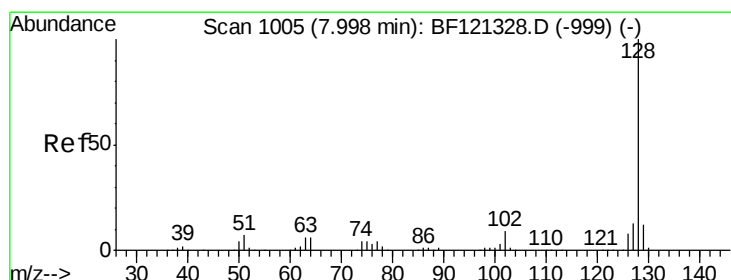
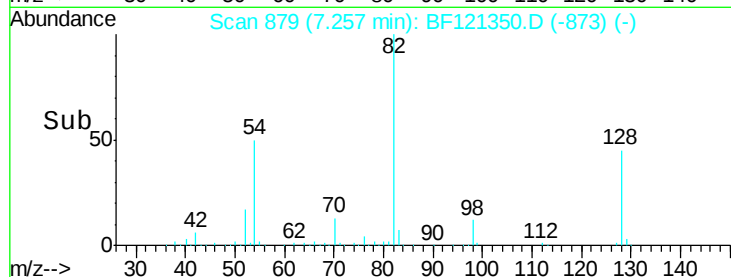
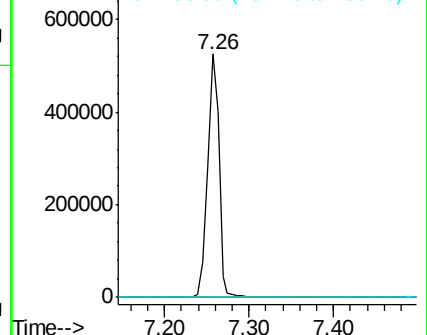
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 2.230 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

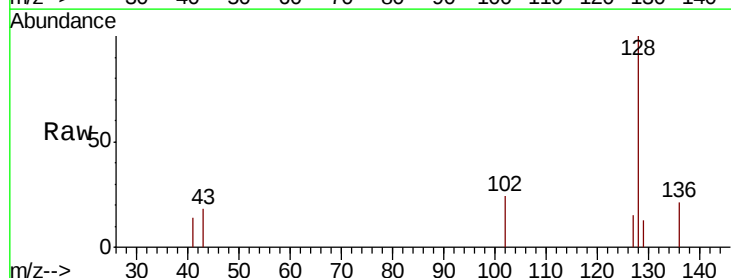
Tgt Ion:128 Resp: 2176

Ion Ratio Lower Upper

128 100

129 12.5 9.3 13.9

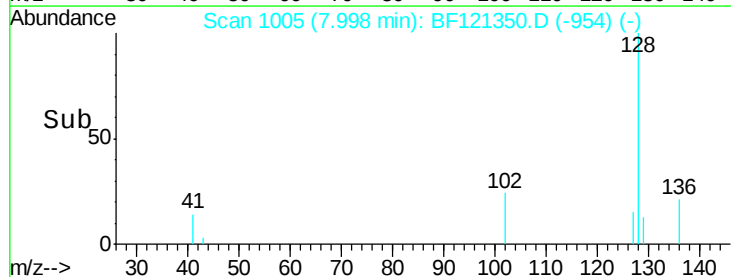
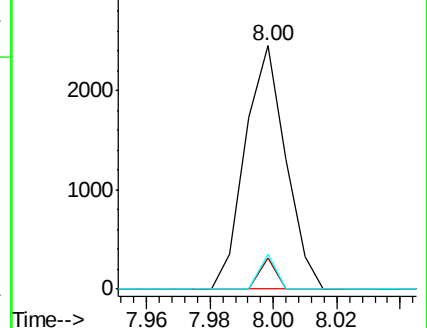
127 14.6 10.6 16.0

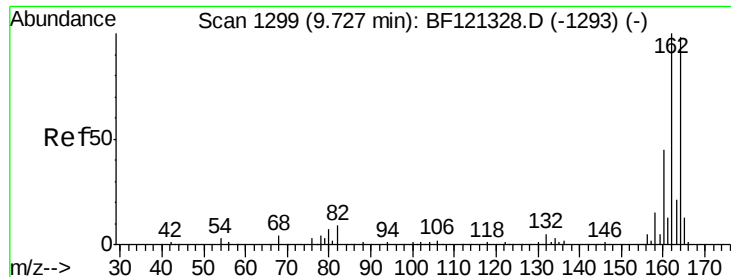


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

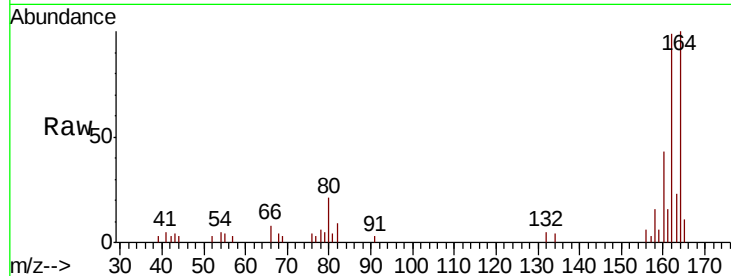
Tot Ion:164 Resp: 10670

Ion Ratio Lower Upper

164 100

162 99.0 81.7 122.5

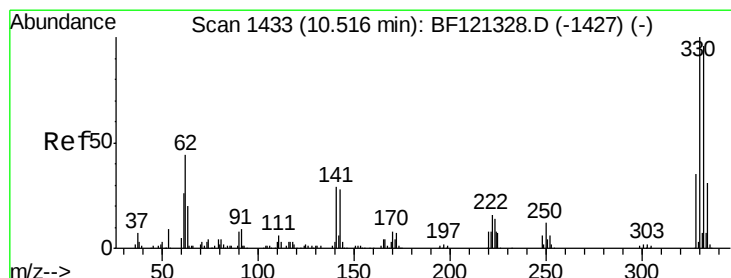
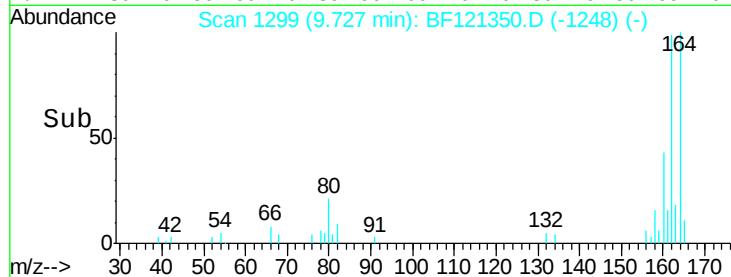
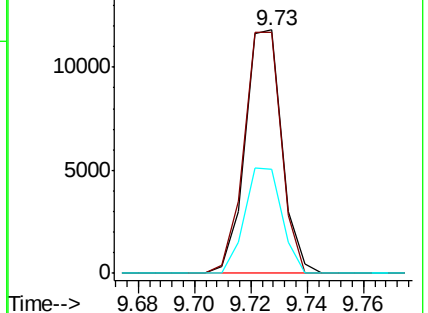
160 42.6 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 1738.600 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

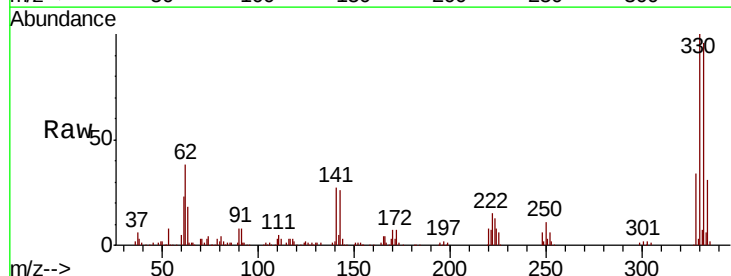
Tgt Ion:330 Resp: 216176

Ion Ratio Lower Upper

330 100

332 96.0 76.9 115.3

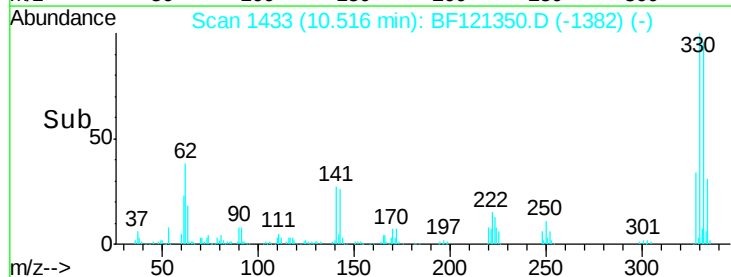
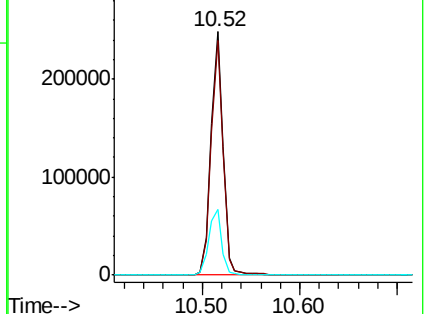
141 28.9 22.8 34.2

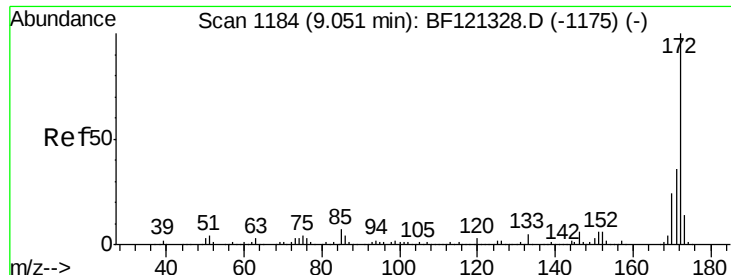


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

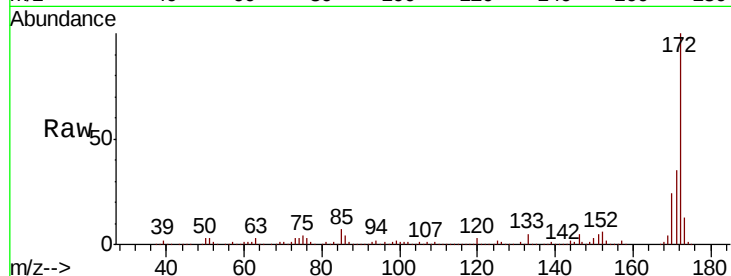




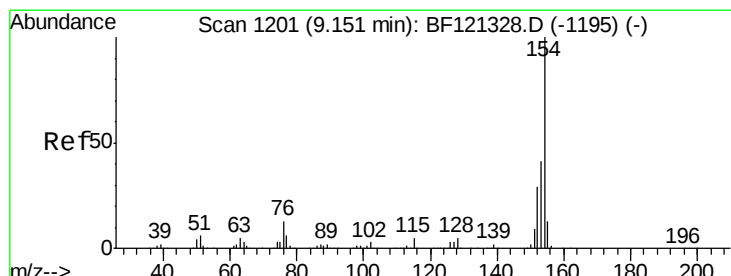
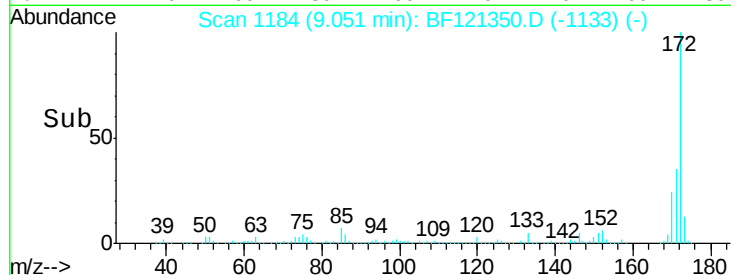
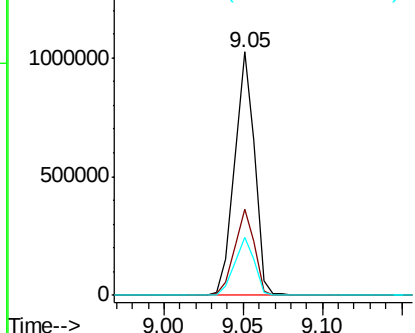
#45
 2-Fluorobiphenyl
 Concen: 1893.193 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Instrument :
 BNA_F
 ClientSampleId :
 1-3-SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	23.8	19.4	29.2

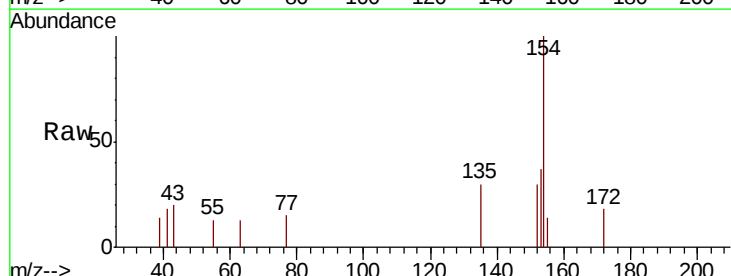


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

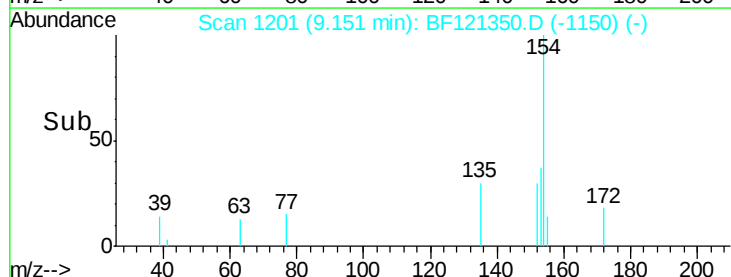
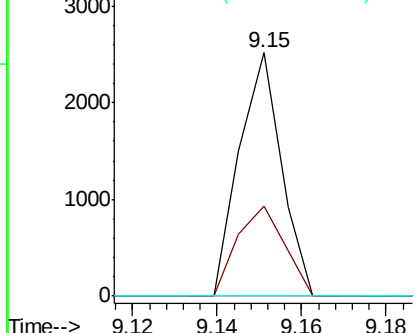


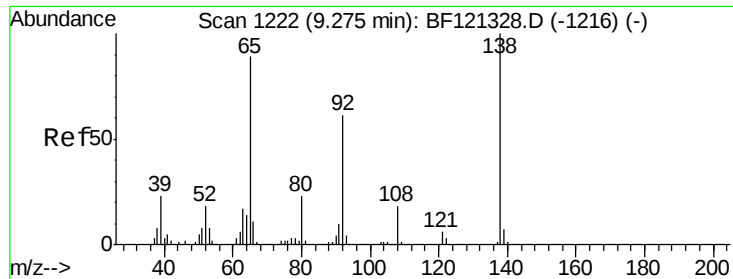
#46
 1,1'-Biphenyl
 Concen: 2.173 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.0	20.8	60.8
76	0.0	0.0	33.1



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

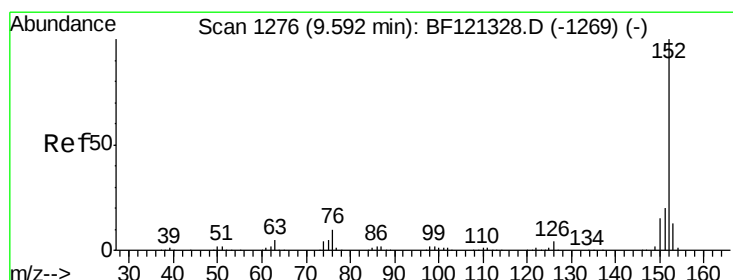
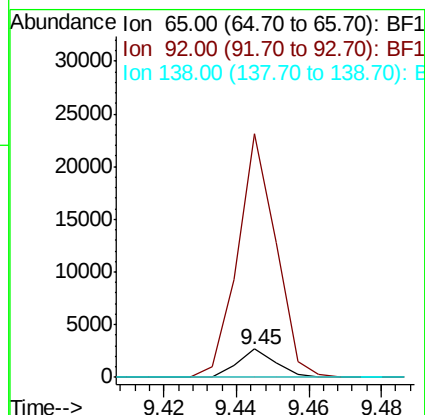
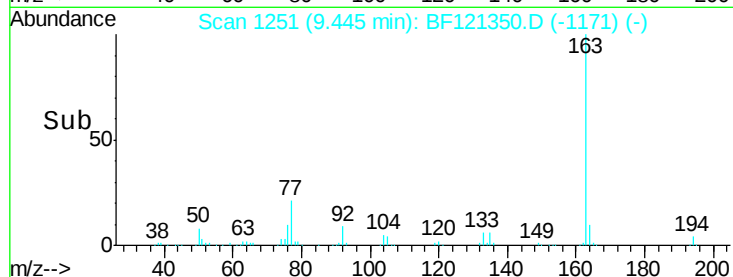
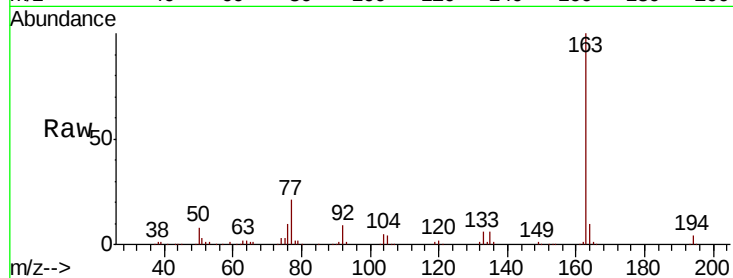




#48
 2-Nitroaniline
 Concen: 9.381 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. 0.17 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

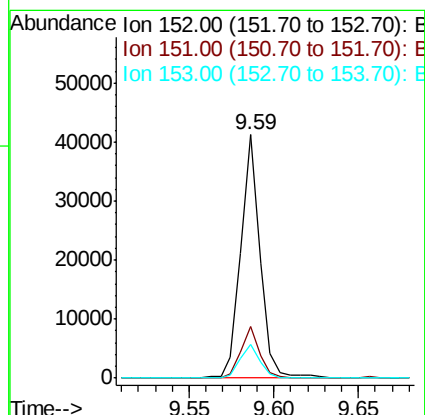
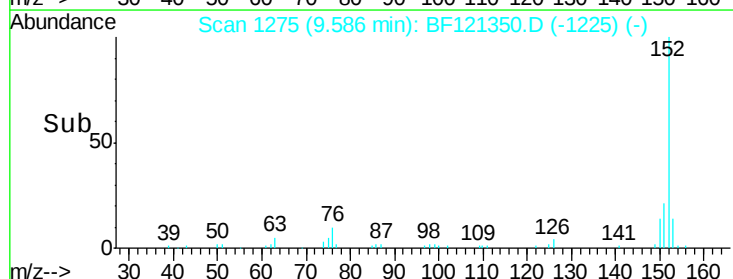
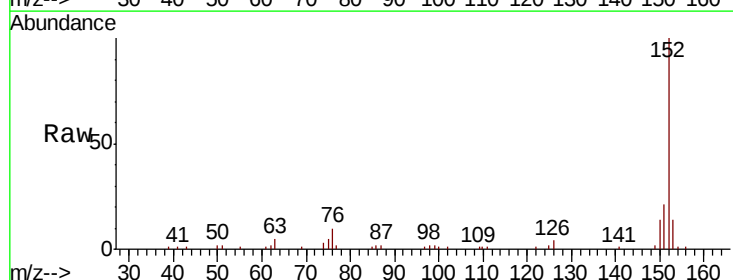
Instrument :
 BNA_F
 ClientSampleId :
 1-3-SOIL-DRUM

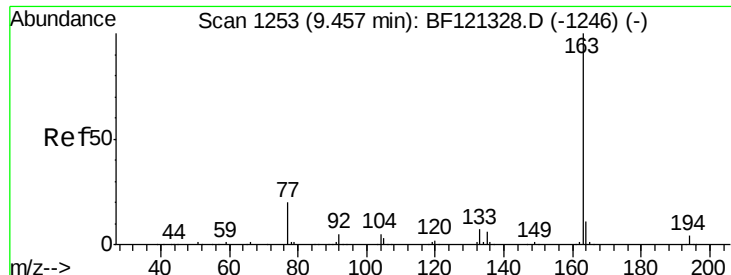
Tot Ion: 65 Resp: 1946
 Ion Ratio Lower Upper
 65 100
 92 853.5 54.9 82.3#
 138 0.0 89.5 134.3#



#49
 Acenaphthylene
 Concen: 33.497 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Tgt Ion: 152 Resp: 32781
 Ion Ratio Lower Upper
 152 100
 151 20.9 16.4 24.6
 153 13.7 10.6 16.0

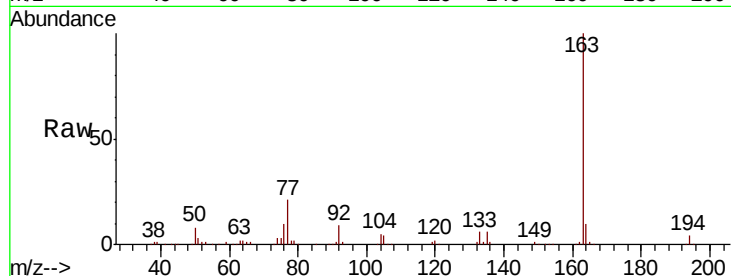




#50
Dimethylphthalate
Concen: 257.330 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Instrument :
BNA_F
ClientSampleId :
1-3-SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.3	8.4	12.6

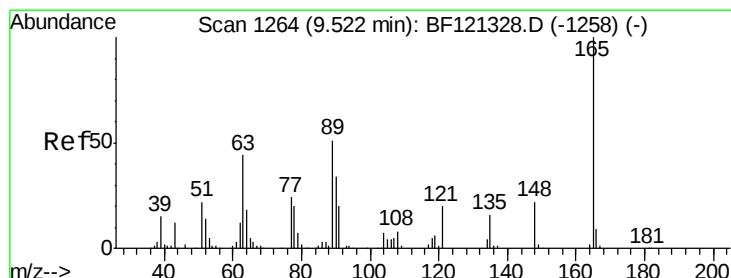
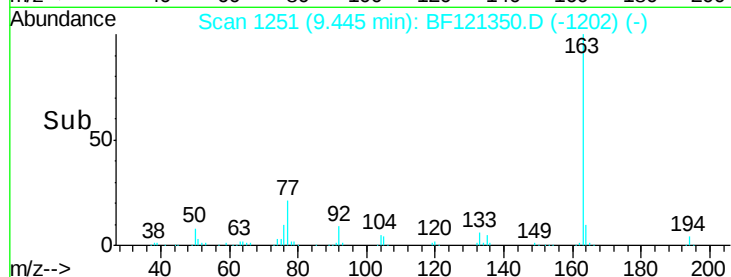
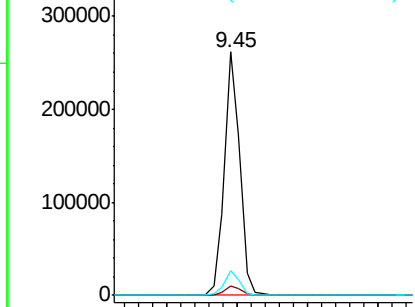


Abundance

Ion 163.00 (162.70 to 163.70): E

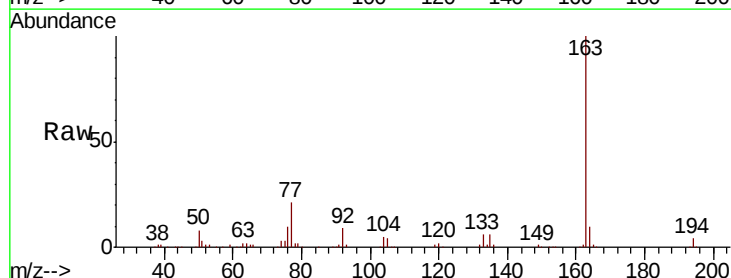
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 12.299 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.08 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	148.2	38.5	57.7#
89	14.2	41.2	61.8#

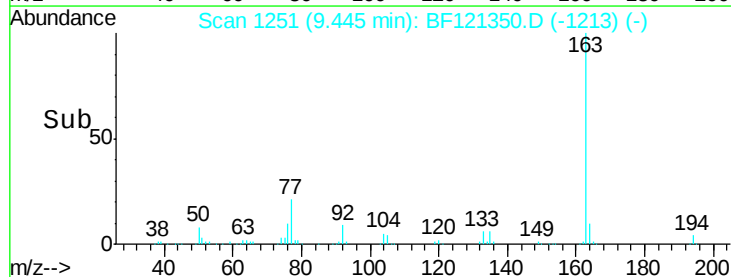
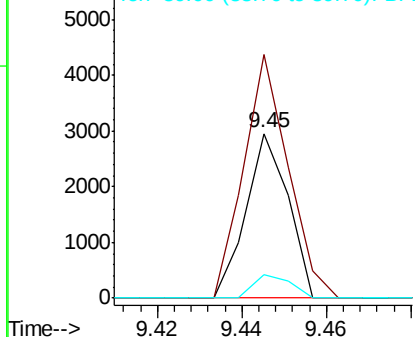


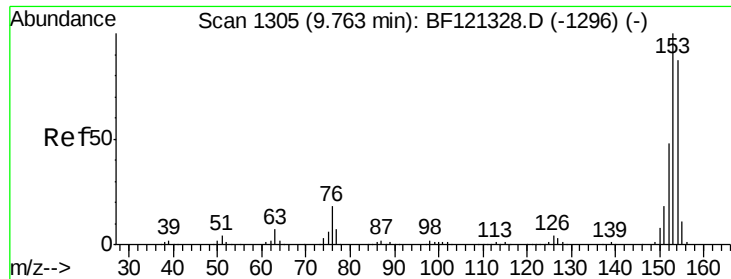
Abundance

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: 2.930 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

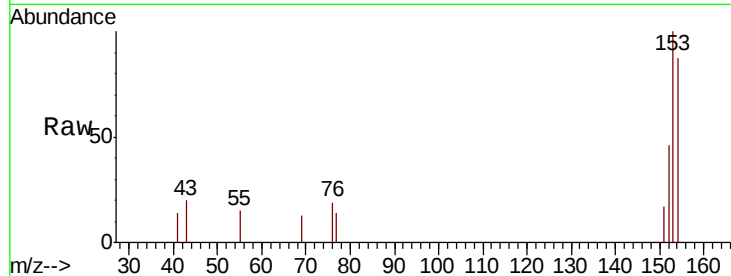
Tot Ion:154 Resp: 1742

Ion Ratio Lower Upper

154 100

153 115.1 92.0 138.0

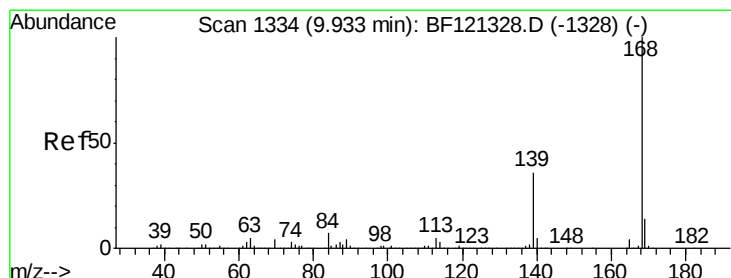
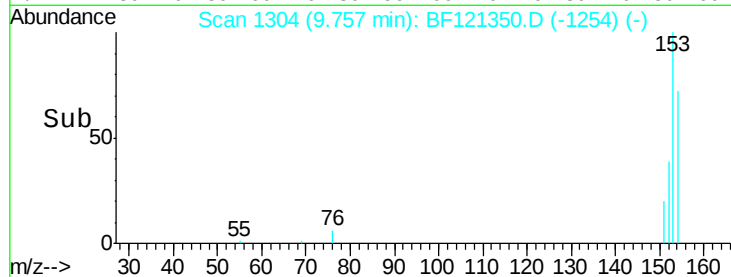
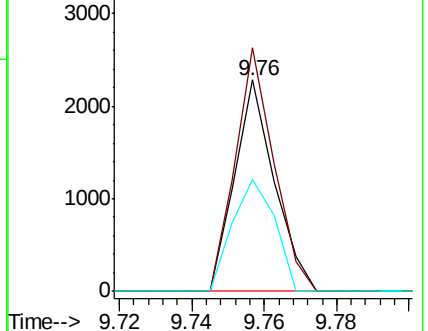
152 52.8 44.6 66.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: Below Cal

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

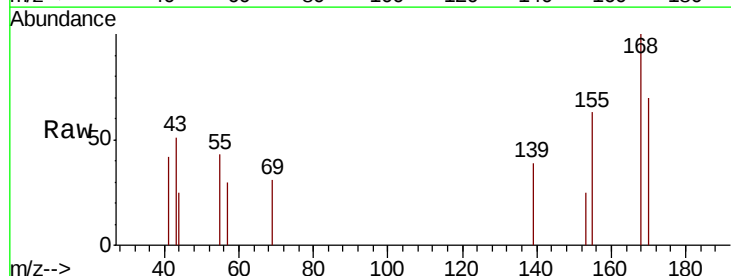
Tgt Ion:168 Resp: 928

Ion Ratio Lower Upper

168 100

139 38.9 29.1 43.7

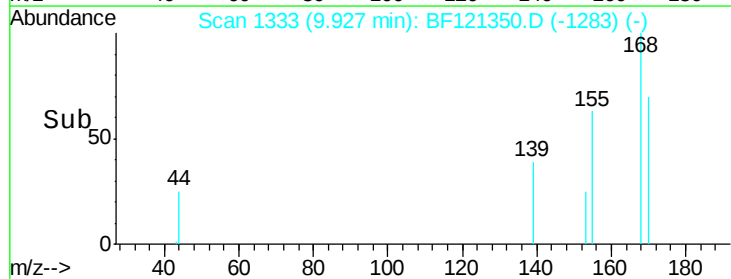
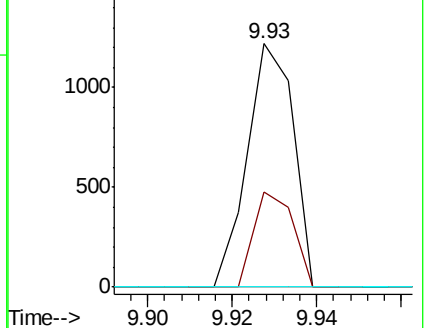
169 0.0 11.0 16.6#

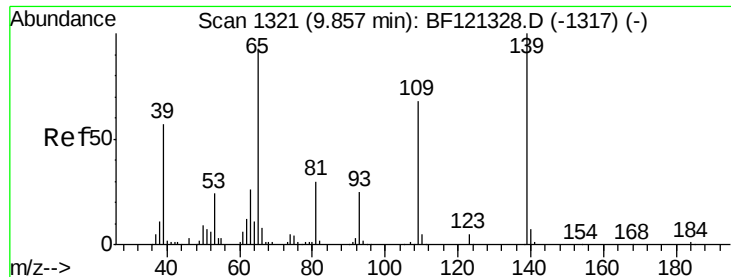


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

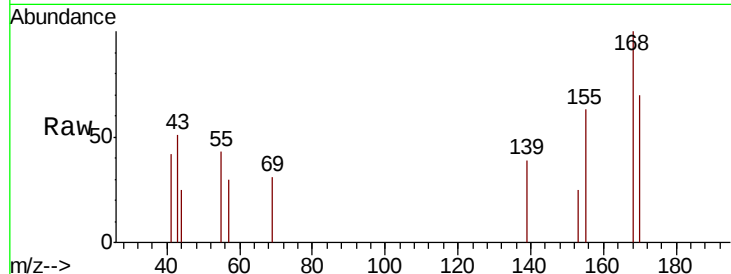




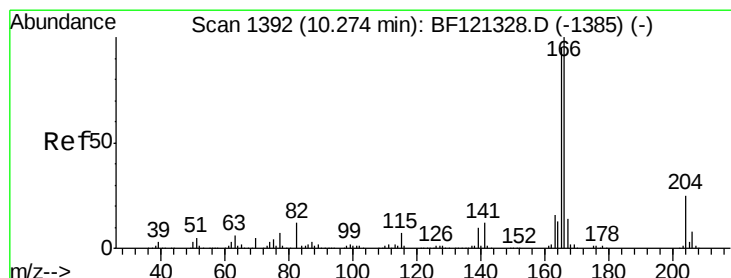
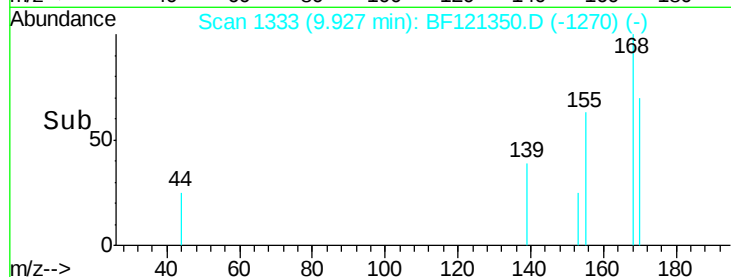
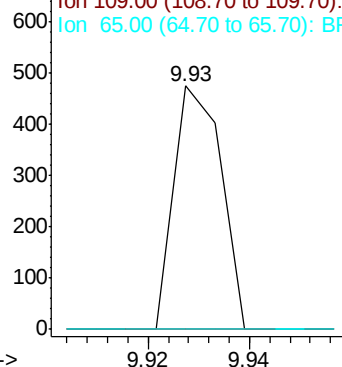
#56
4-Nitrophenol
Concen: 2.416 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.07 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Instrument :
BNA_F
ClientSampleId :
1-3-SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	47.7	87.7#
65	0.0	73.2	113.2#

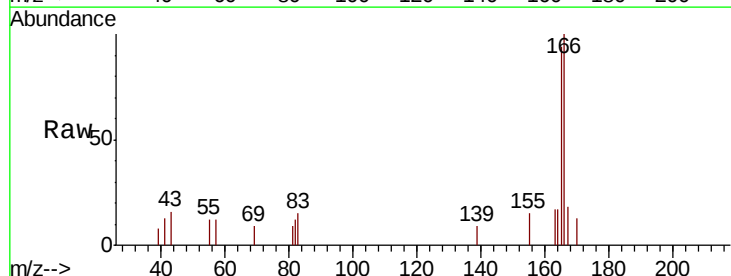


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

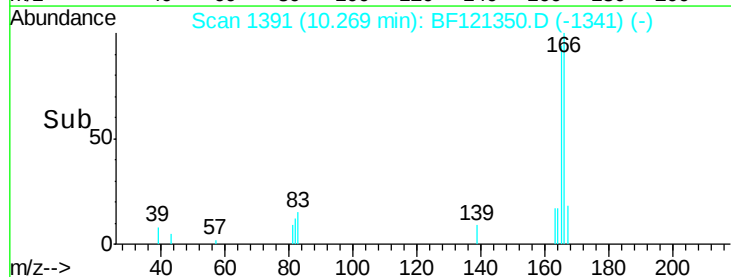
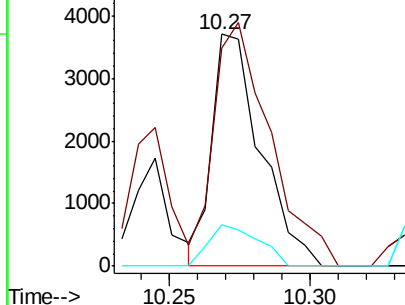


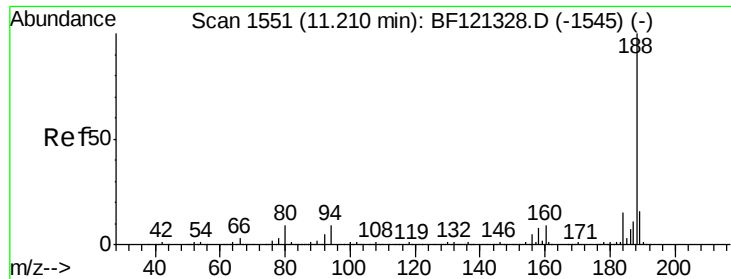
#58
Fluorene
Concen: 2.099 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.0	75.8	113.8
167	17.7	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

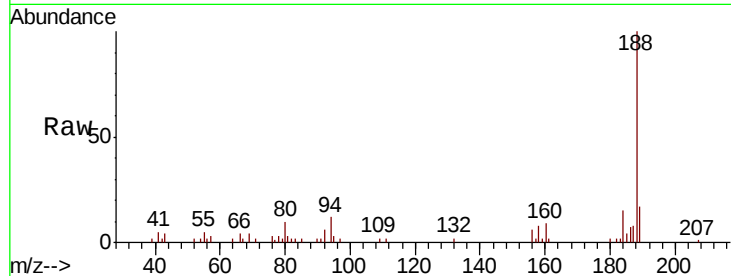
Tot Ion:188 Resp: 18703

Ion Ratio Lower Upper

188 100

94 11.9 7.2 10.8#

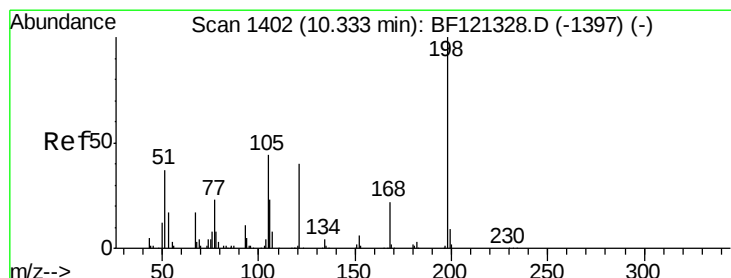
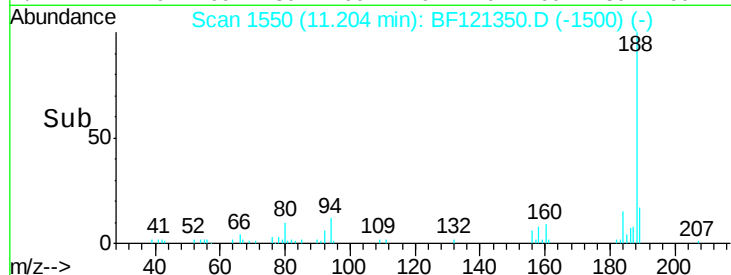
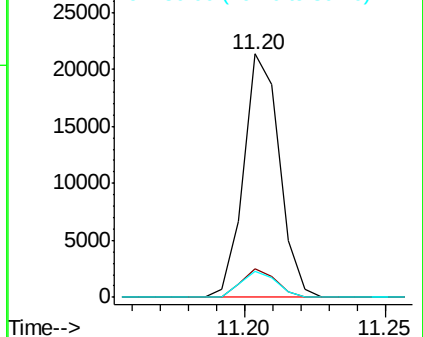
80 10.5 7.4 11.0



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: 3.289 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.18 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

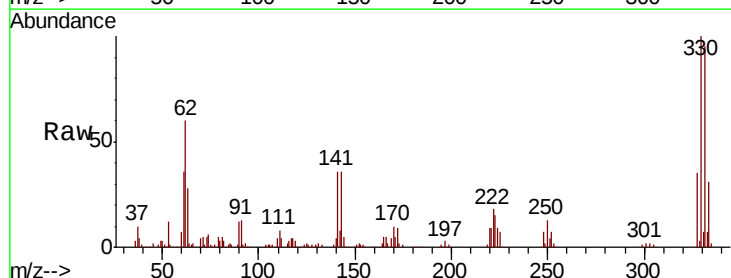
Tgt Ion:198 Resp: 329

Ion Ratio Lower Upper

198 100

51 211.1 25.5 65.5#

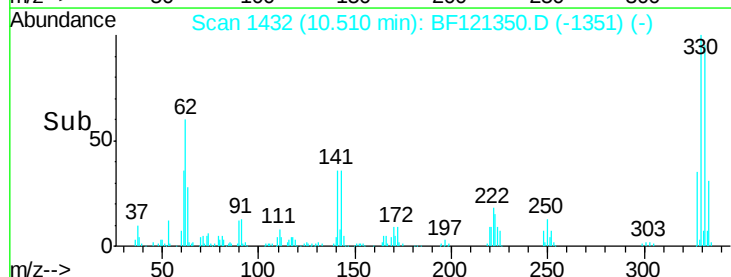
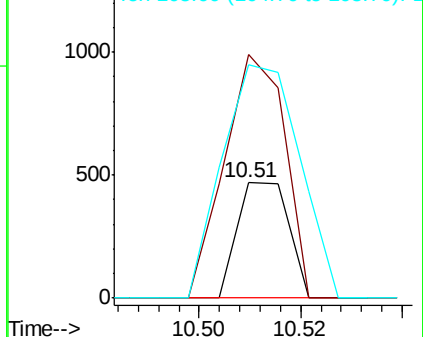
105 202.8 24.9 64.9#

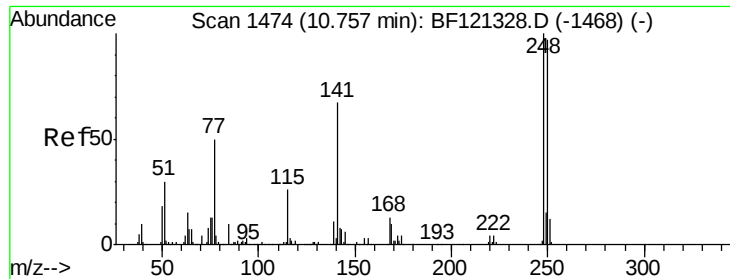


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

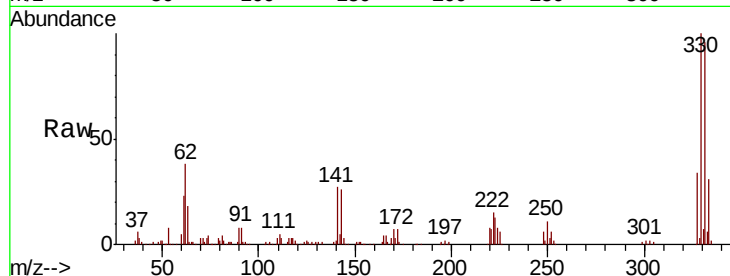




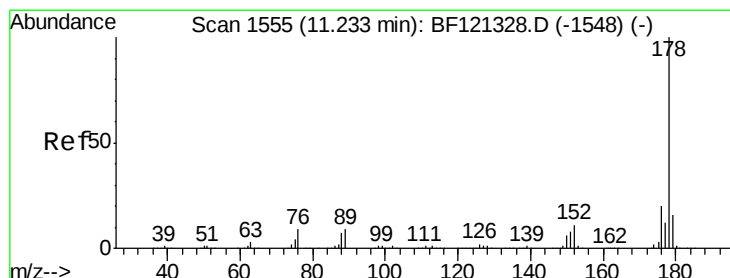
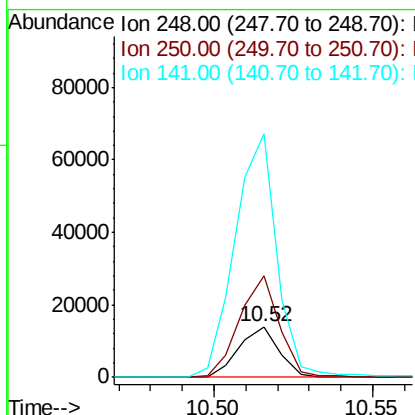
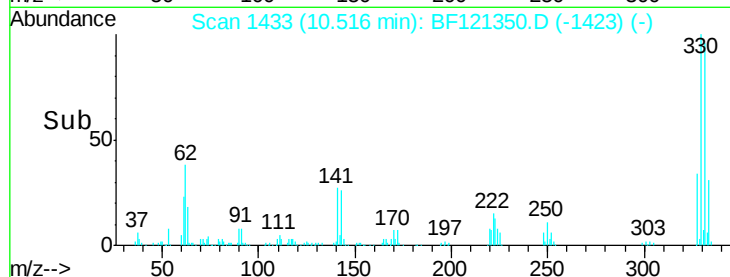
#67
 4-Bromophenyl-phenylether
 Concen: 59.109 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.24 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Instrument :
 BNA_F
 ClientSampleId :
 1-3-SOIL-DRUM

Tot Ion:248 Resp: 12263
 Ion Ratio Lower Upper
 248 100
 250 200.3 77.9 116.9#
 141 479.9 53.5 80.3#

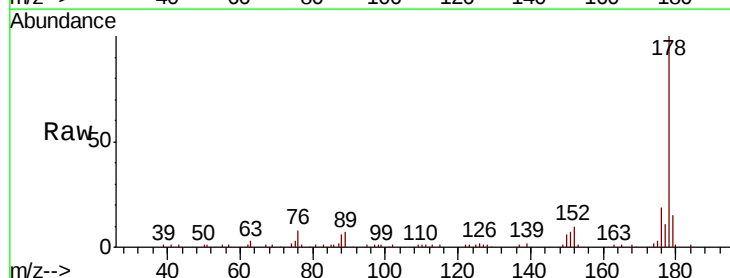


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

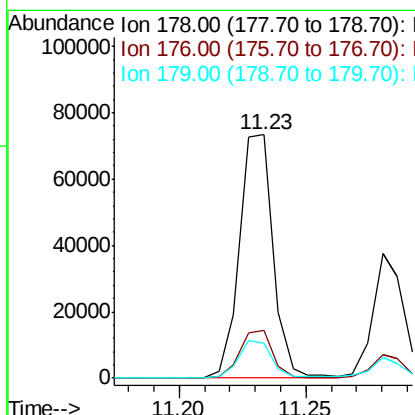
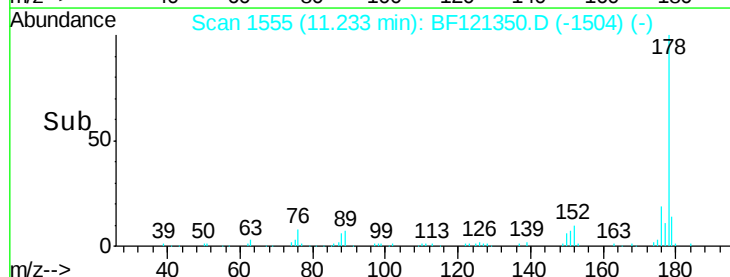


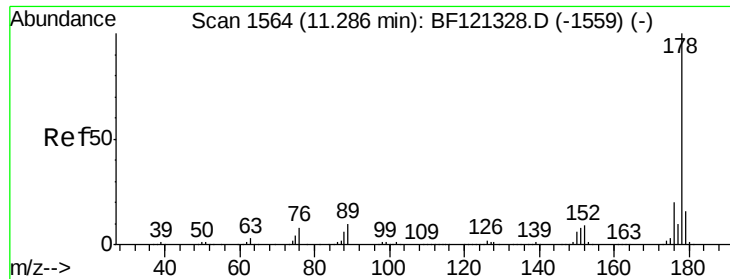
#71
 Phenanthrene
 Concen: 69.967 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Tgt Ion:178 Resp: 67726
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.0 24.0
 179 14.5 12.8 19.2



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

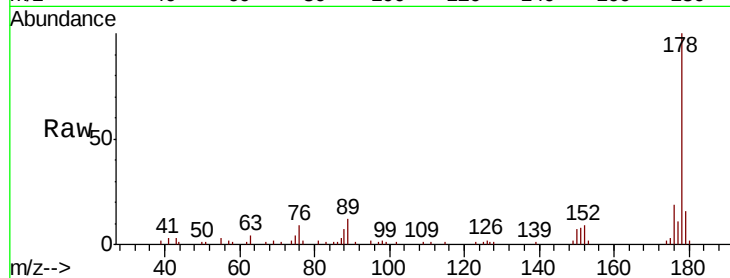




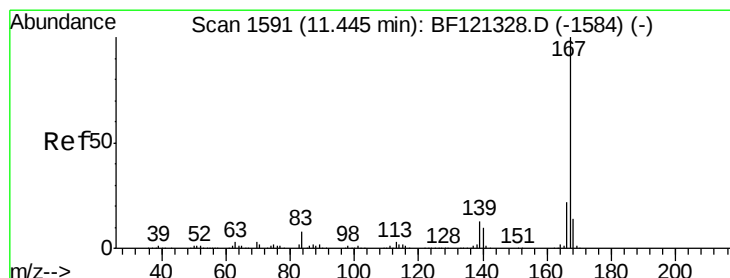
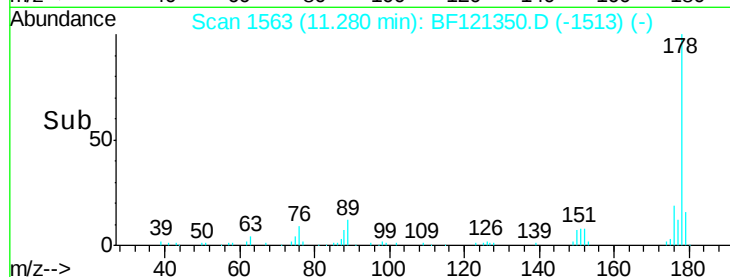
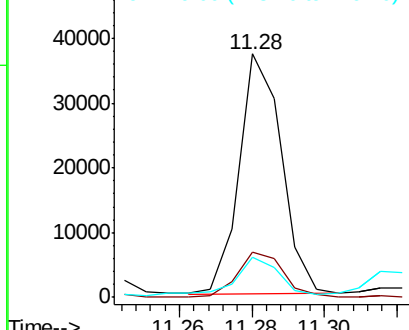
#72
 Anthracene
 Concen: 32.564 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Instrument :
 BNA_F
 ClientSampleId :
 1-3-SOIL-DRUM

Tot Ion:178 Resp: 30354
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.6 23.4
 179 16.3 12.8 19.2

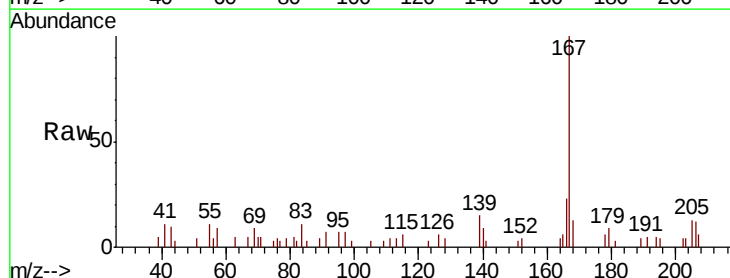


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

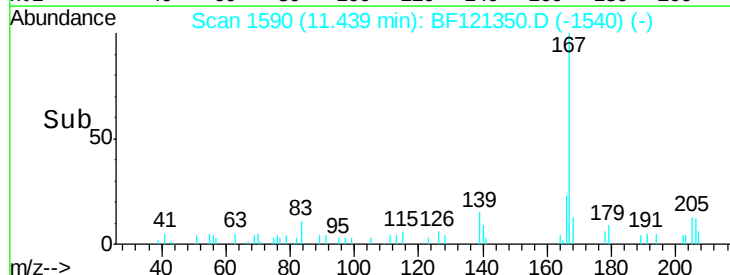
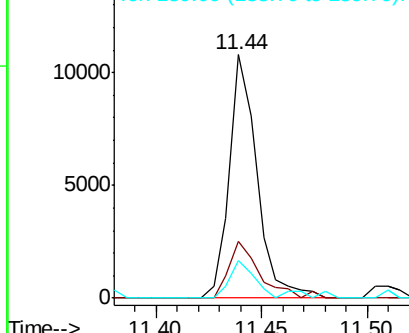


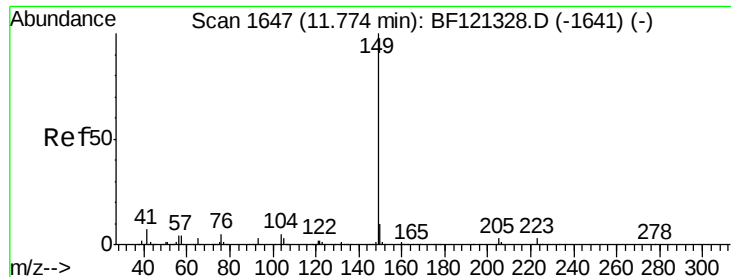
#73
 Carbazole
 Concen: 10.970 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Tgt Ion:167 Resp: 9759
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.7 26.5
 139 15.3 10.2 15.2#



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





#74

Di-n-butylphthalate

Concen: 5.592 ng

RT: 11.77 min Scan# 1647

Delta R.T. -0.00 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

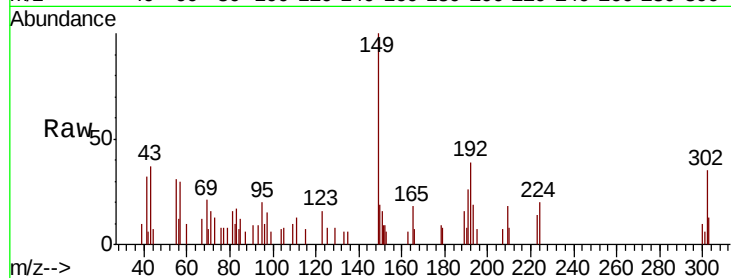
Tot Ion:149 Resp: 5999

Ion Ratio Lower Upper

149 100

150 19.5 7.7 11.5#

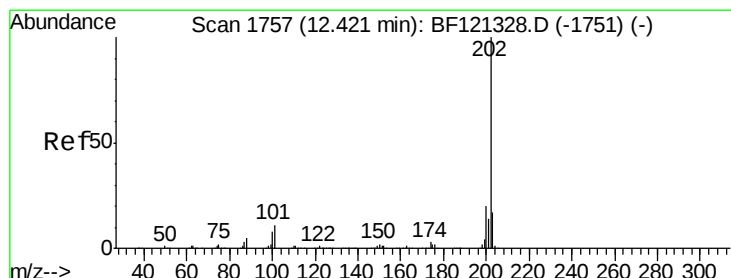
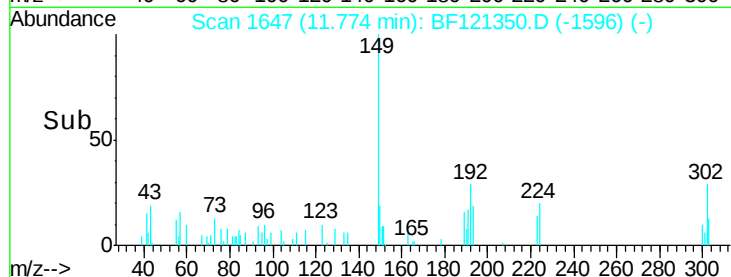
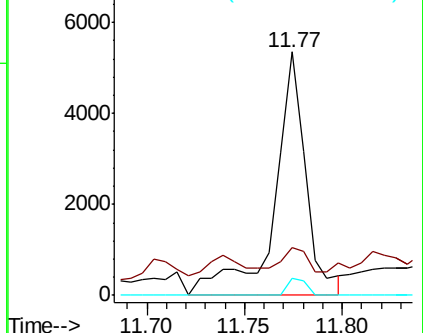
104 7.1 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 194.588 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

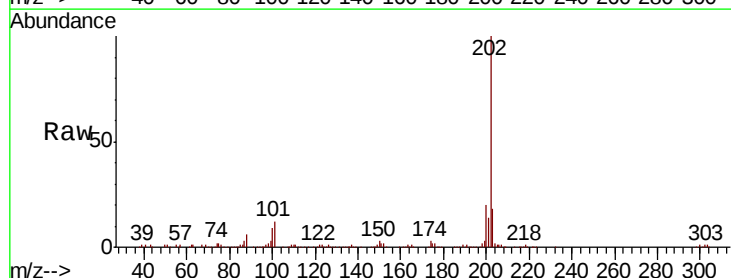
Tgt Ion:202 Resp: 204444

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.6

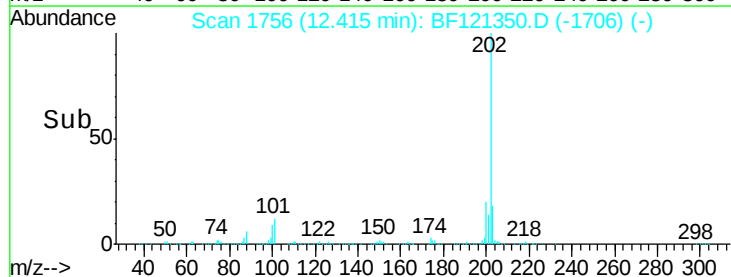
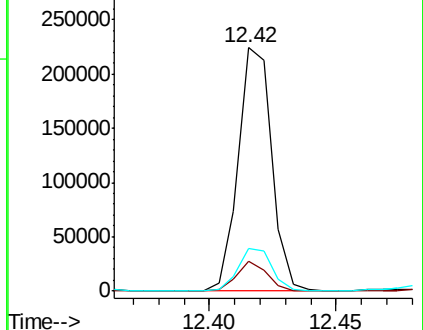
203 17.6 0.0 37.5

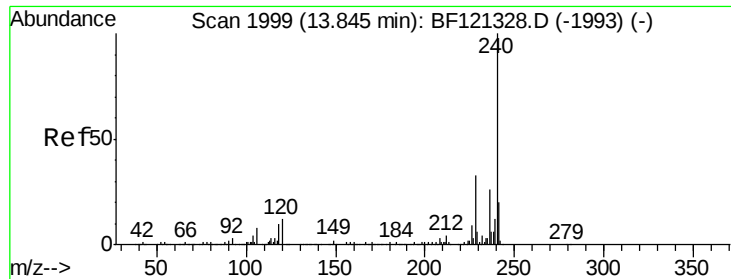


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

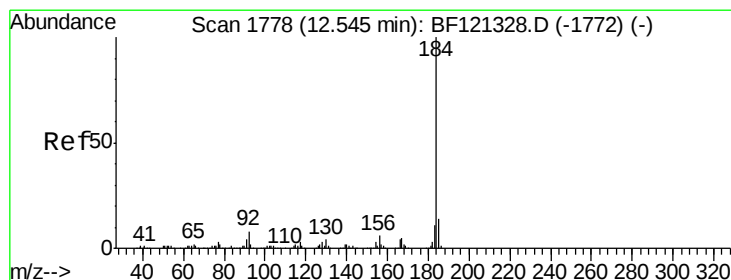
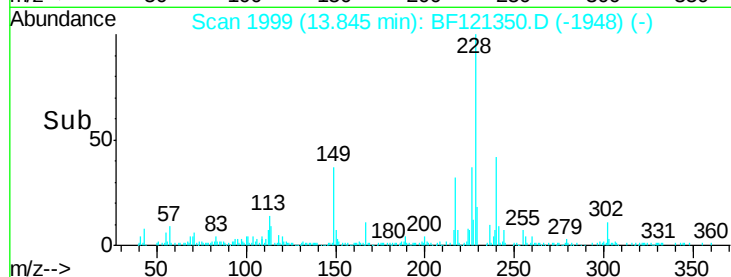
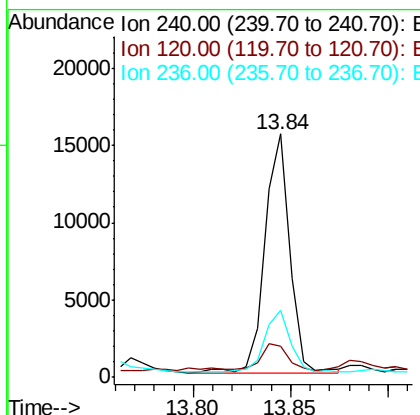
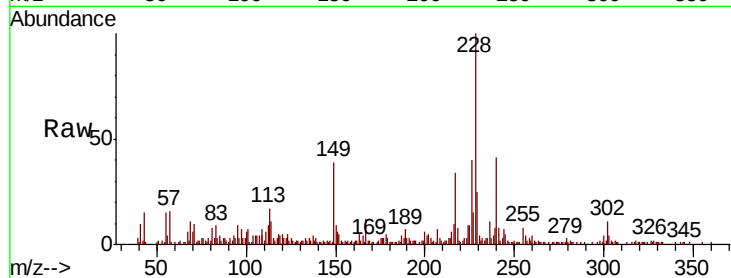




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

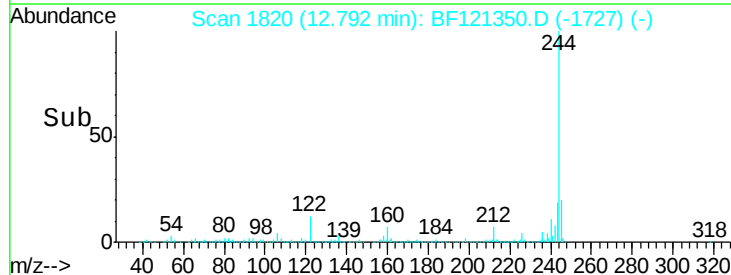
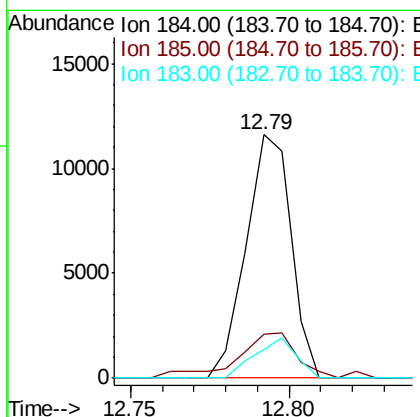
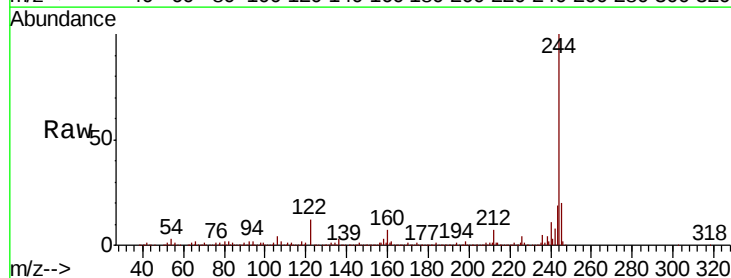
Instrument :
BNA_F
ClientSampleId :
1-3-SOIL-DRUM

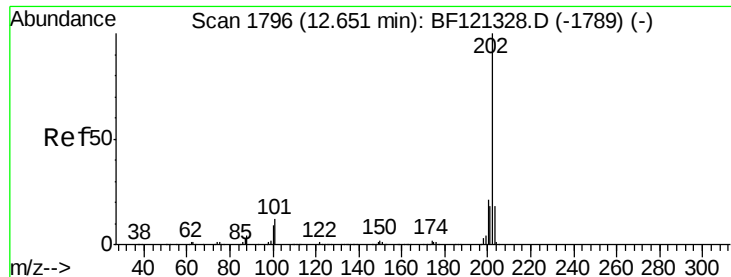
Tot Ion:240 Resp: 13574
Ion Ratio Lower Upper
240 100
120 12.9 9.6 14.4
236 27.7 20.6 31.0



#77
Benzidine
Concen: 30.566 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.25 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Tgt Ion:184 Resp: 11431
Ion Ratio Lower Upper
184 100
185 18.0 11.6 17.4#
183 11.5 8.7 13.1

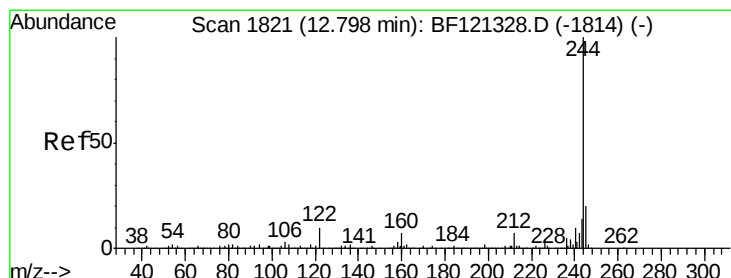
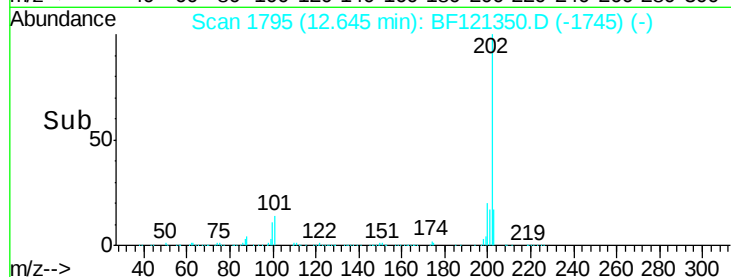
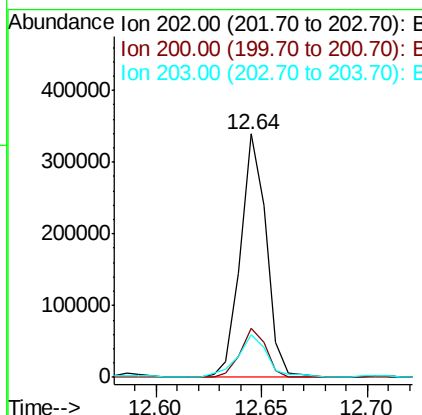
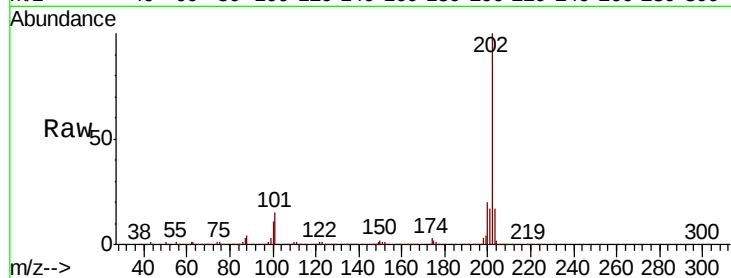




#78
Pvrene
Concen: 279.279 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

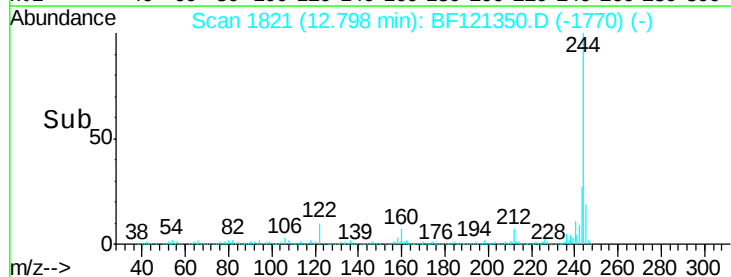
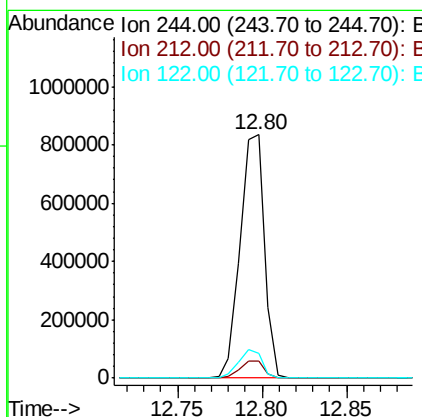
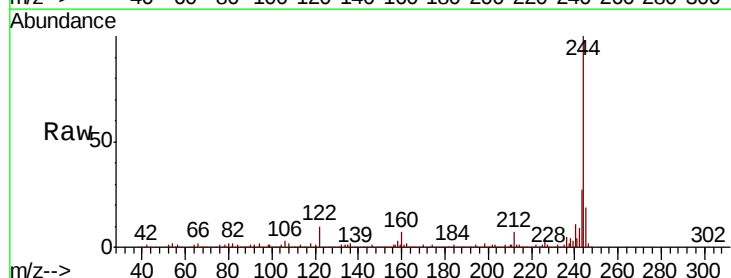
Instrument :
BNA_F
ClientSampleId :
1-3-SOIL-DRUM

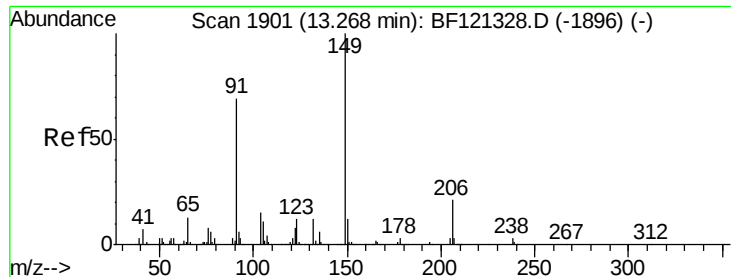
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.6	24.8
203	17.4	14.2	21.2



#79
Terphenyl-d14
Concen: 1208.156 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.4	7.8	11.8

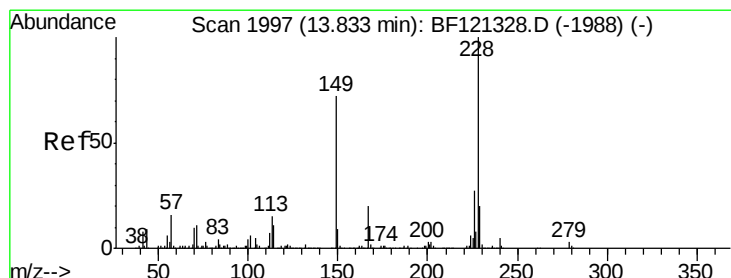
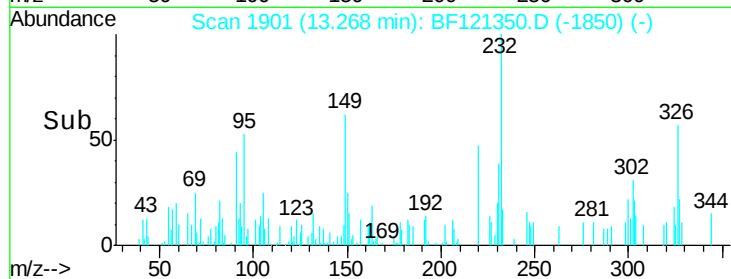
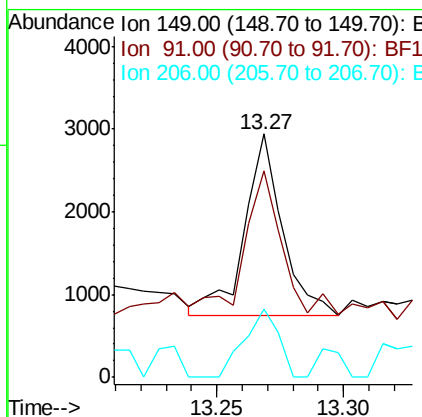
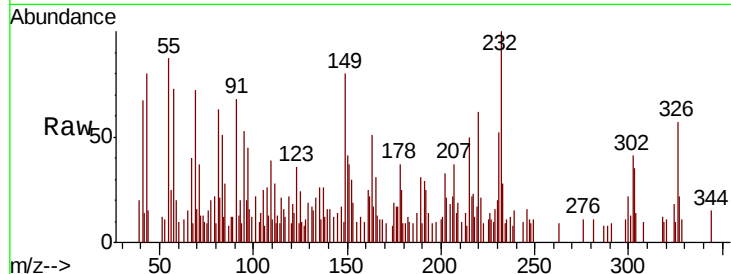




#80
Butylbenzylphthalate
Concen: 5.181 ng
RT: 13.27 min Scan# 1901
Delta R.T. -0.00 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

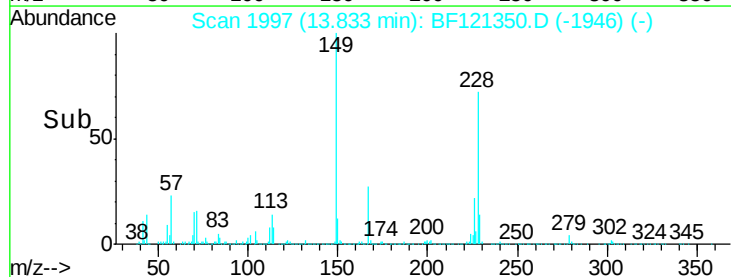
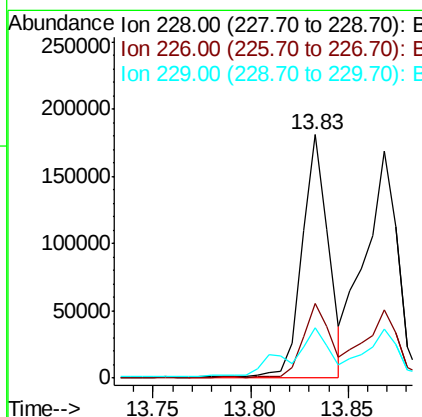
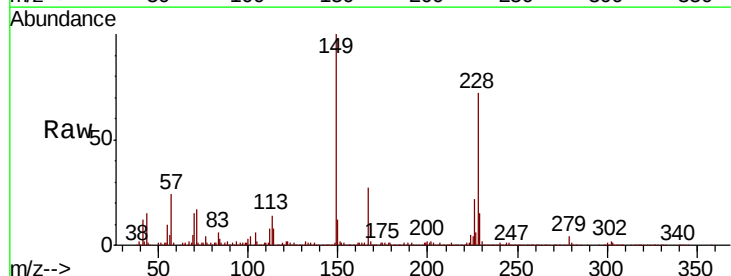
Instrument :
BNA_F
ClientSampleId :
1-3-SOIL-DRUM

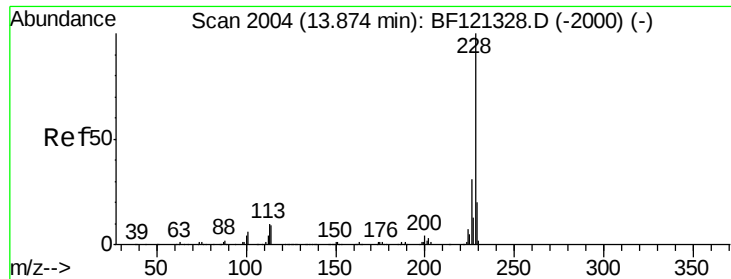
Tot Ion:149 Resp: 2270
Ion Ratio Lower Upper
149 100
91 84.9 55.2 82.8#
206 28.0 16.8 25.2#



#81
Benzo(a)anthracene
Concen: 199.097 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Tgt Ion:228 Resp: 167858
Ion Ratio Lower Upper
228 100
226 30.4 21.8 32.6
229 20.4 15.8 23.8

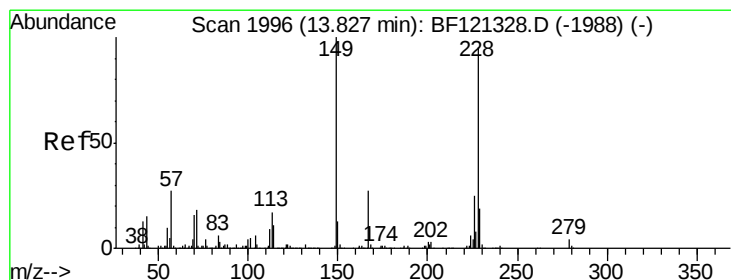
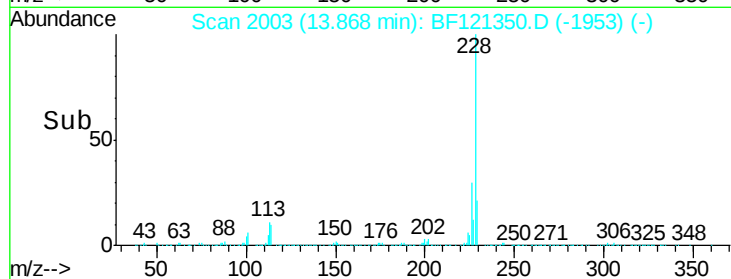
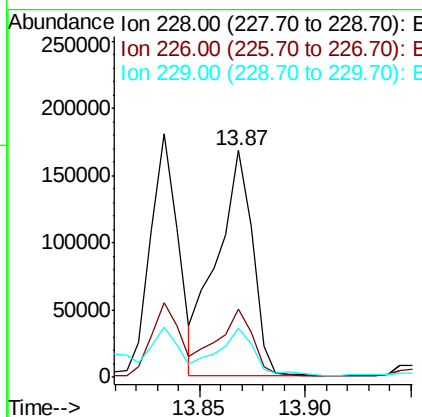
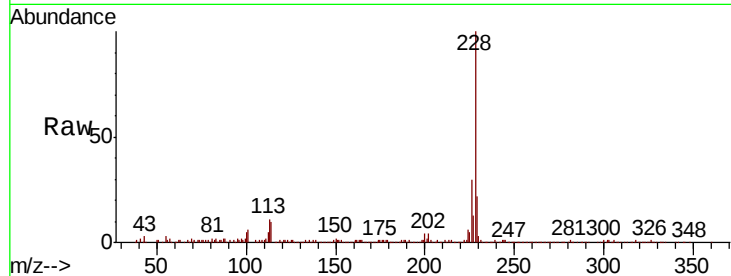




#83
 Chrysene
 Concen: 228.668 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

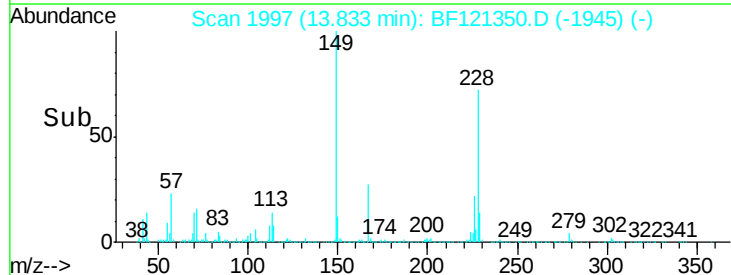
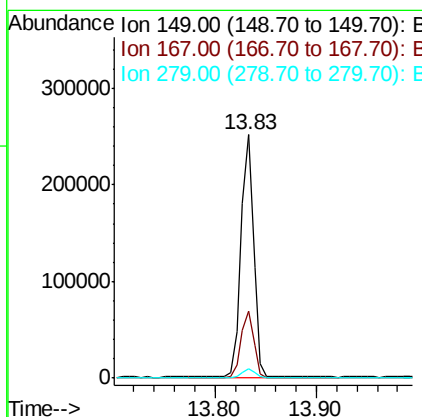
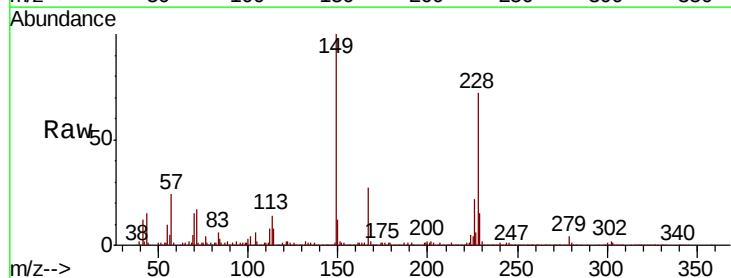
Instrument :
 BNA_F
 ClientSampleId :
 1-3-SOIL-DRUM

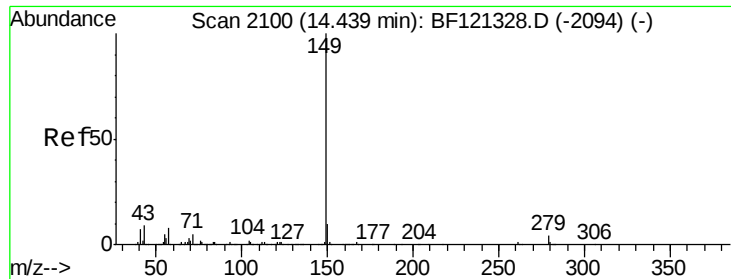
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	36.8
229	21.7	15.9	23.9



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 424.058 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.01 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.5	32.3
279	3.9	2.9	4.3





#85

Di-n-octyl phthalate

Concen: 6.773 ng

RT: 14.43 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

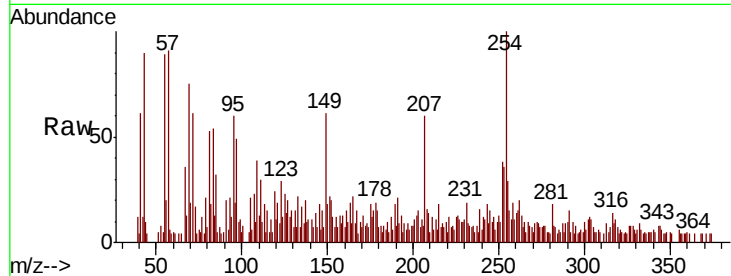
Tot Ion:149 Resp: 6458

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

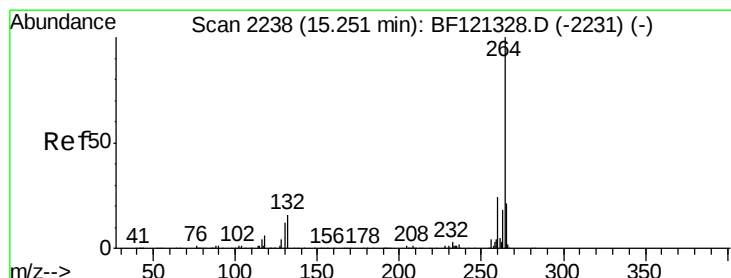
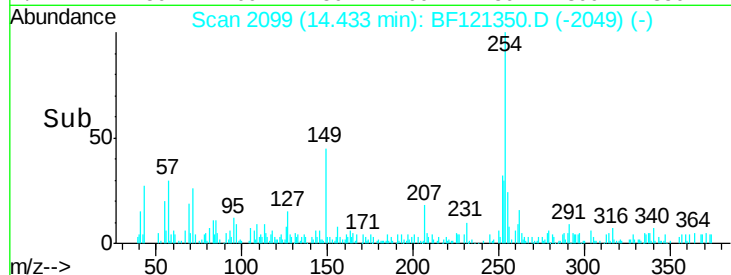
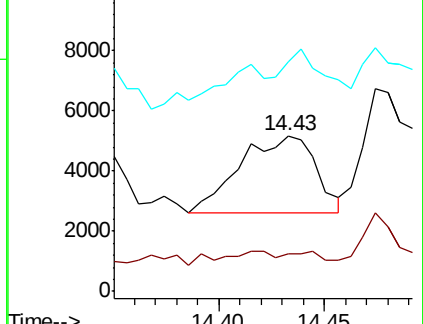
43 19.3 7.1 10.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

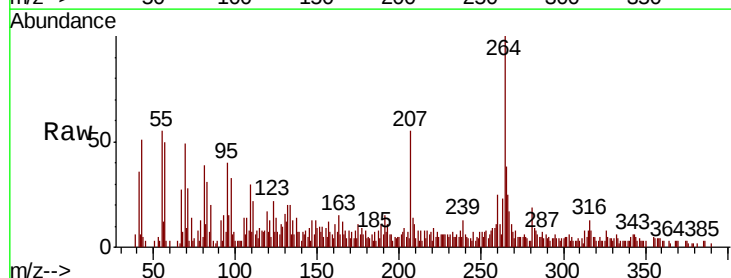
Tgt Ion:264 Resp: 14497

Ion Ratio Lower Upper

264 100

260 25.2 19.5 29.3

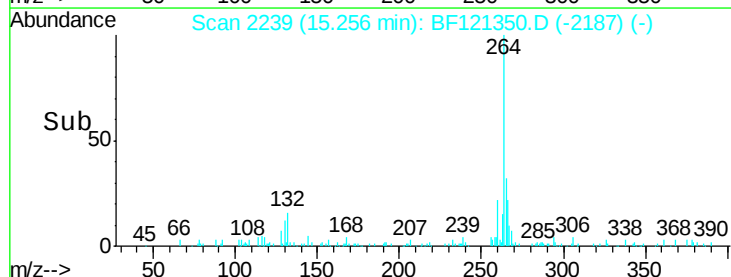
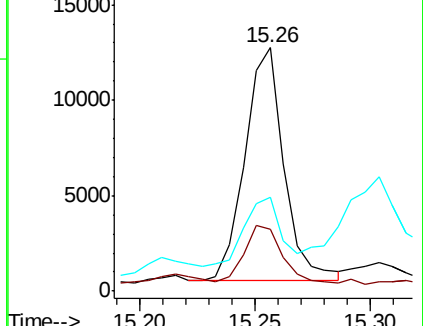
265 38.3 17.1 25.7#

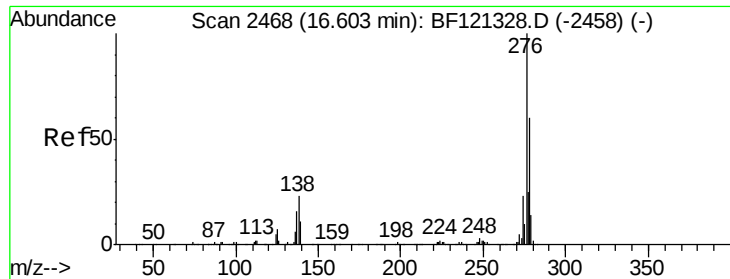


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

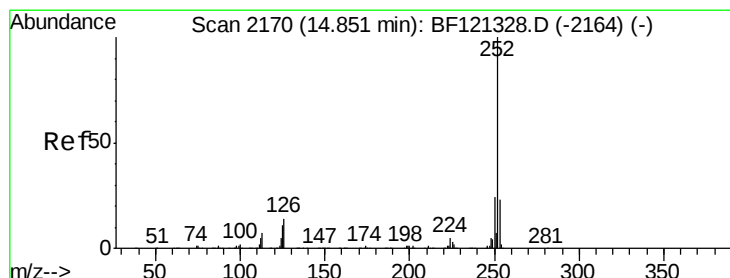
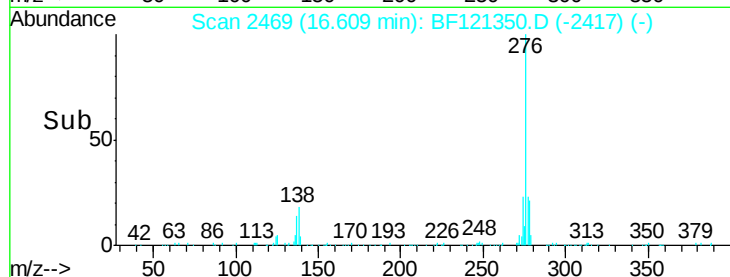
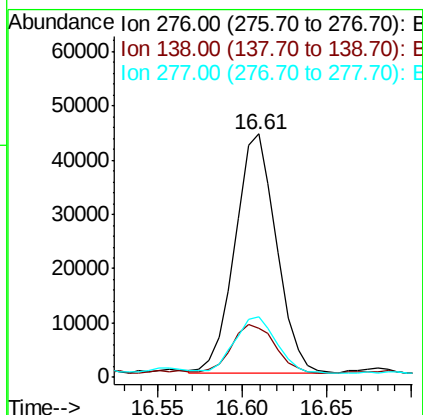
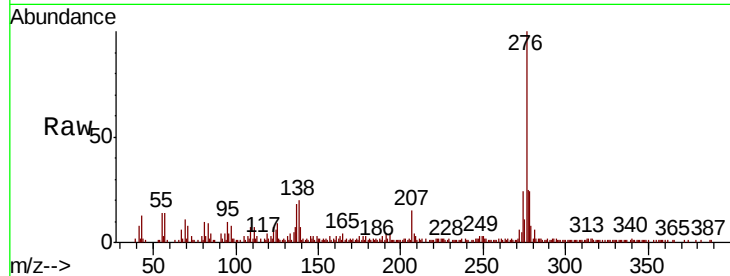




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 84.586 ng
 RT: 16.61 min Scan# 2469
 Delta R.T. 0.01 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

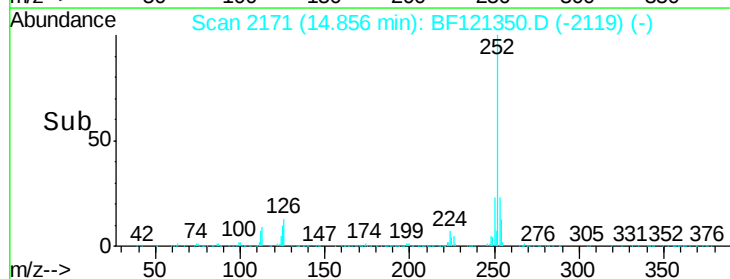
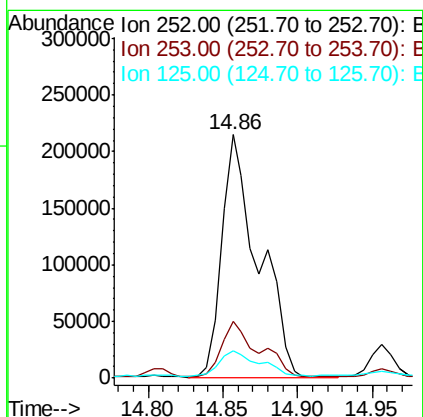
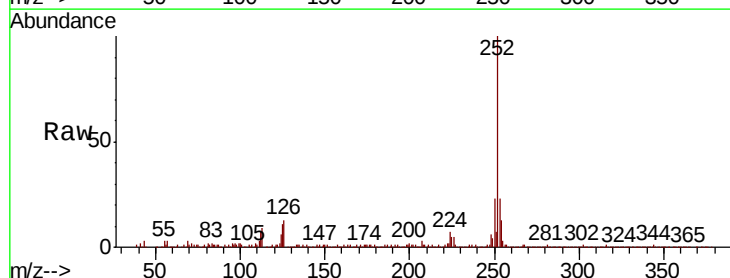
Instrument :
 BNA_F
 ClientSampleId :
 1-3-SOIL-DRUM

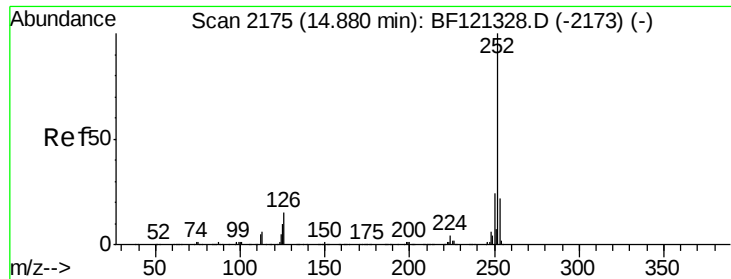
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.4	29.0
277	24.2	19.9	29.9



#88
 Benzo(b)fluoranthene
 Concen: 389.927 ng
 RT: 14.86 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: BF121350.D
 Acq: 20 Aug 2020 16:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.1	8.6	12.8

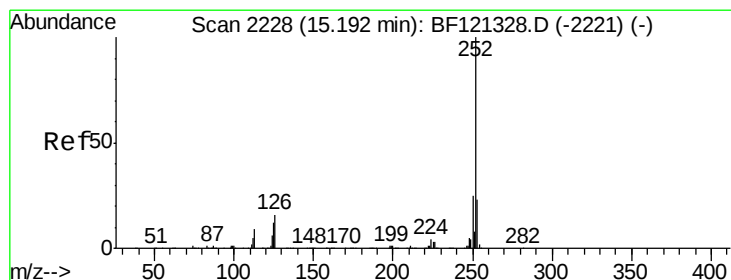
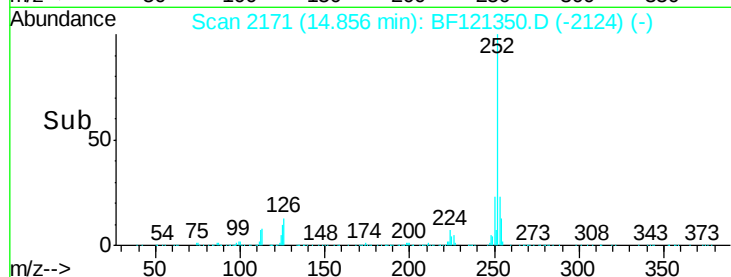
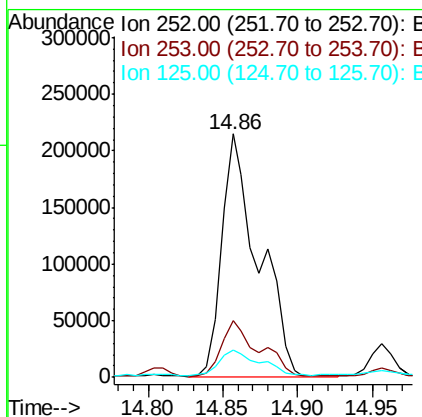
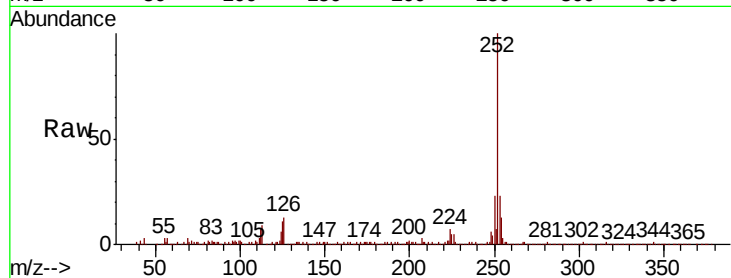




#89
Benzo(k)fluoranthene
Concen: 442.966 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

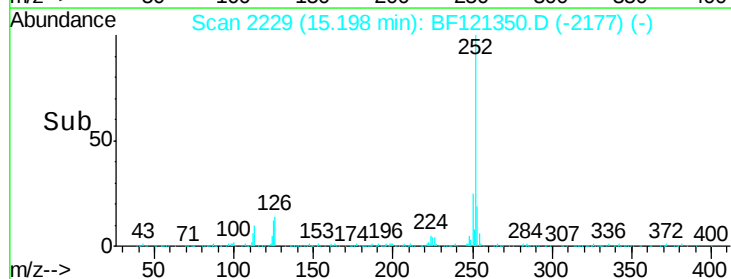
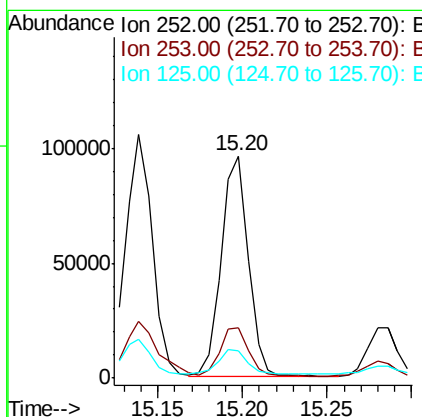
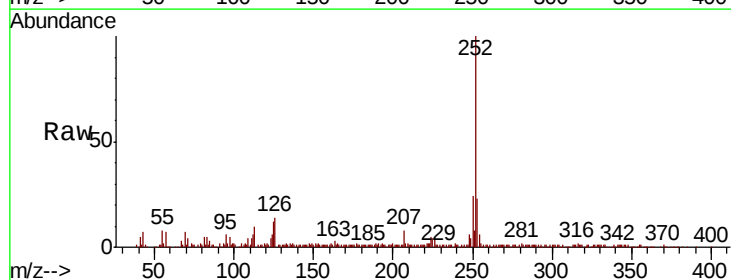
Instrument :
BNA_F
ClientSampleId :
1-3-SOIL-DRUM

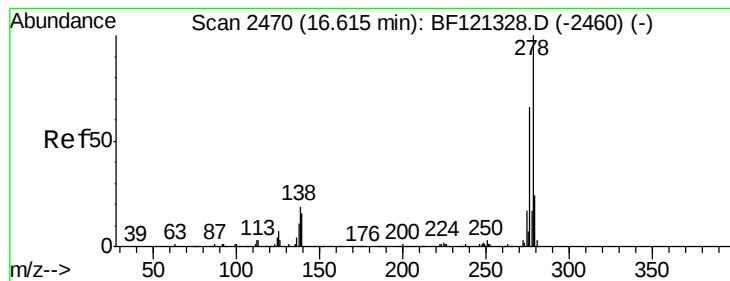
Tot Ion:252	Resp:	365192
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.9 26.9
125	11.1	8.6 12.8



#90
Benzo(a)pyrene
Concen: 131.601 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF121350.D
Acq: 20 Aug 2020 16:44

Tgt Ion:252	Resp:	106495
Ion Ratio	Lower	Upper
252	100	
253	22.6	18.0 27.0
125	12.4	9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 32.368 ng

RT: 16.62 min Scan# 2470

Delta R.T. -0.00 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

Instrument :

BNA_F

ClientSampleId :

1-3-SOIL-DRUM

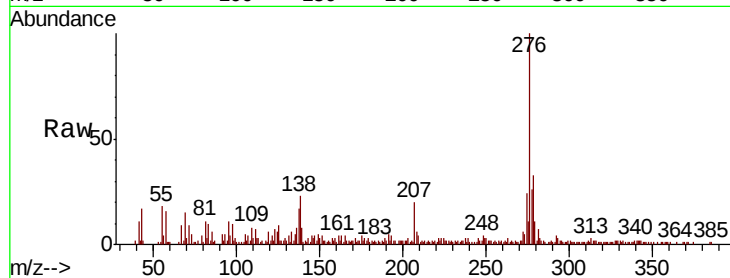
Tot Ion:278 Resp: 23485

Ion Ratio Lower Upper

278 100

139 24.2 13.1 19.7#

279 32.9 19.4 29.2#

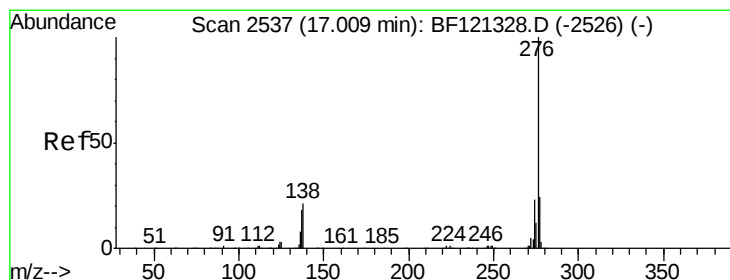
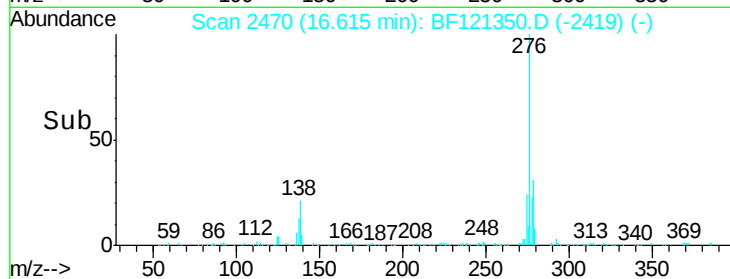
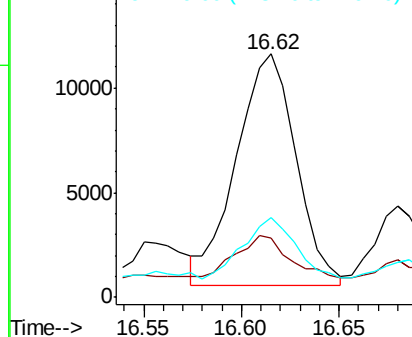


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 93.892 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.01 min

Lab File: BF121350.D

Acq: 20 Aug 2020 16:44

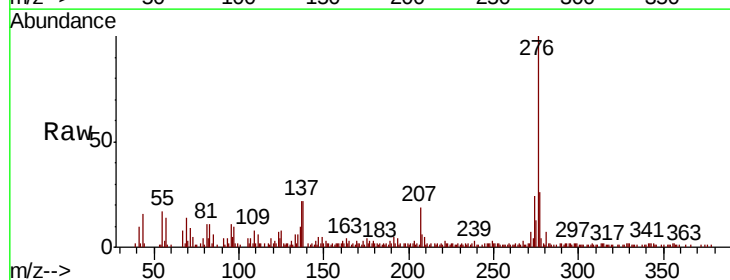
Tgt Ion:276 Resp: 66600

Ion Ratio Lower Upper

276 100

277 26.2 19.3 28.9

138 22.5 16.8 25.2



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

