

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098130.D
 Acq On : 30 Aug 2017 00:18
 Operator : SJ/JU
 Sample : I4979-04 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 03:03:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	116946	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	397531	20.00	ng	-0.01
38) Acenaphthene-d10	9.79	164	151790	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	221268	20.00	ng	0.01
75) Chrysene-d12	13.90	240	238922	20.00	ng	0.00
86) Perylene-d12	15.32	264	199291	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	195463	25.42	ng	-0.02
7) Phenol-d6	6.36	99	257443	24.64	ng	-0.02
23) Nitrobenzene-d5	7.30	82	145461	19.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	23550	17.88	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	172828	16.73	ng	-0.01
78) Terphenyl-d14	12.85	244	104451	9.12	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.27	117	55102	15.844	ng	# 1
20) 3+4-Methylphenols	7.15	107	18596	2.131	ng	# 68
22) Acetophenone	7.13	105	49350	4.699	ng	# 44
24) Nitrobenzene	7.30	77	28912	3.548	ng	# 10
26) 2-Nitrophenol	7.64	139	2583	6.037	ng	# 1
27) 2,4-Dimethylphenol	7.68	122	15811	2.492	ng	# 38
31) Naphthalene	8.05	128	365901	17.730	ng	# 93
32) Benzoic acid	7.81	122	13580	8.950	ng	# 30
33) 4-Chloroaniline	8.07	127	17989	2.067	ng	# 1
37) 2-Methylnaphthalene	8.74	142	255883	20.223	ng	# 95
45) 1,1'-Biphenyl	9.20	154	90684	6.551	ng	# 97
47) 2-Nitroaniline	9.31	65	10054	2.932	ng	# 45
48) Acenaphthylene	9.65	152	129997	8.094	ng	# 27
49) Dimethylphthalate	9.50	163	55925	5.040	ng	# 88
51) Acenaphthene	9.83	154	1725326	170.331	ng	# 97
53) 2,4-Dinitrophenol	9.84	184	1313	11.230	ng	# 1
54) Dibenzofuran	10.00	168	1698605	125.123	ng	# 98
55) 4-Nitrophenol	9.95	139	31323	13.742	ng	# 77
56) 2,4-Dinitrotoluene	10.00	165	21881	7.872	ng	# 1
57) Fluorene	10.35	166	1653251	157.515	ng	# 97
61) 4-Nitroaniline	10.35	138	17400	6.407	ng	# 64
62) Azobenzene	10.50	77	49516	3.593	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.40	198	2472	10.281	ng	# 1
65) n-Nitrosodiphenylamine	10.45	169	190454	25.276	ng	# 61
70) Phenanthrene	11.32	178	3466067	293.965	ng	# 99
71) Anthracene	11.36	178	1554772	130.009	ng	# 99
72) Carbazole	11.50	167	31299	2.757	ng	# 20
74) Fluoranthene	12.49	202	1619575	131.600	ng	# 99
77) Pyrene	12.72	202	1386043	70.930	ng	# 98
80) Benzo(a)anthracene	13.89	228	286450	20.004	ng	# 96
82) Chrysene	13.93	228	205853	14.451	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.68	276	22964	2.191	ng	# 87
87) Benzo(b)fluoranthene	14.91	252	152652	12.152	ng	# 93
88) Benzo(k)fluoranthene	14.91	252	152652	12.934	ng	# 97

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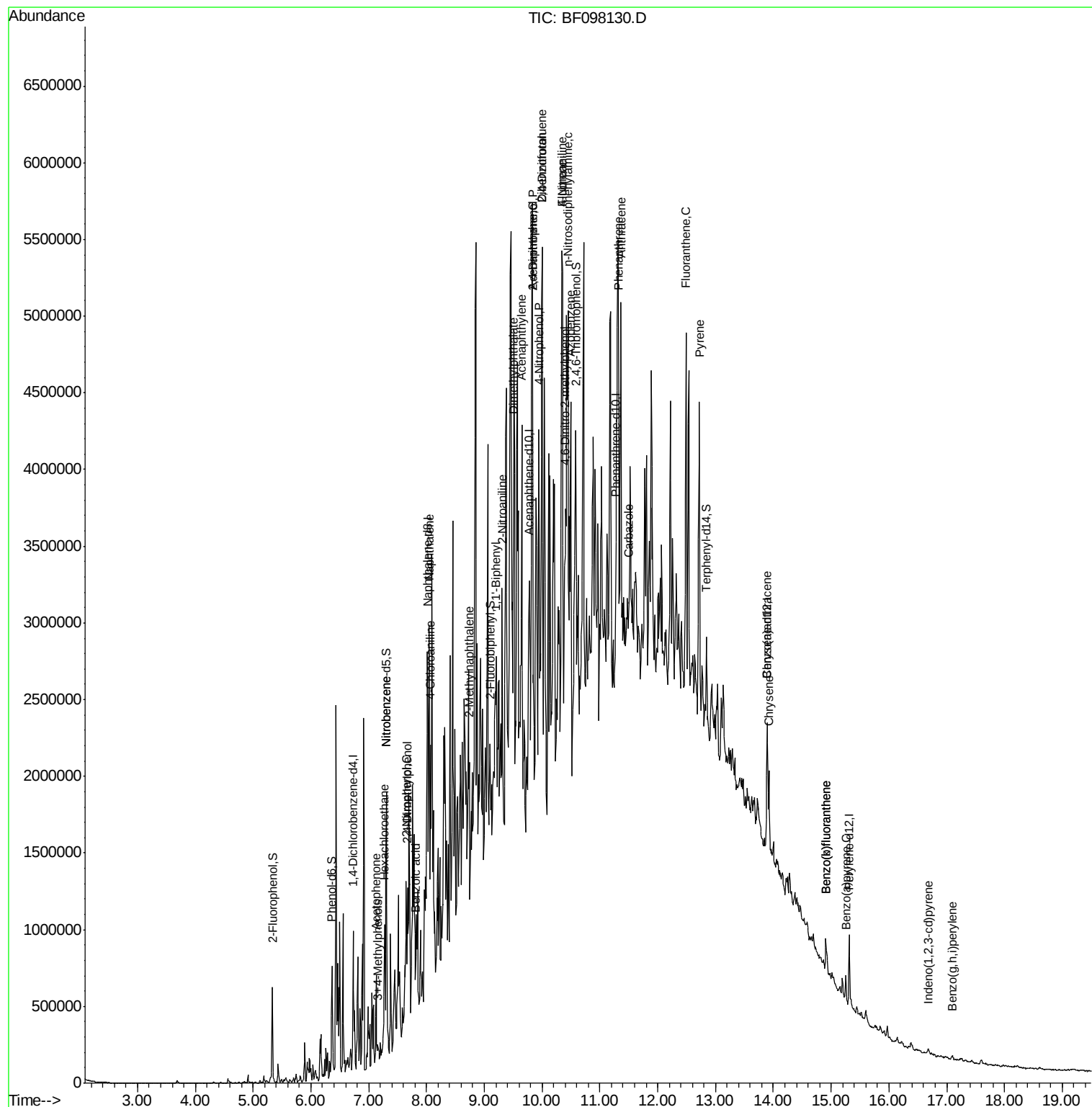
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	15.26	252	78355	7.046	ng	# 94
91) Benzo(g,h,i)perylene	17.10	276	22215	2.352	ng	92

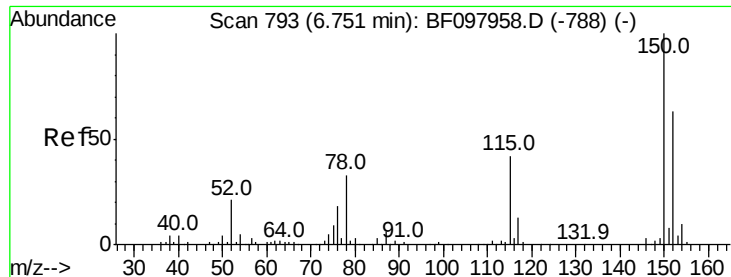
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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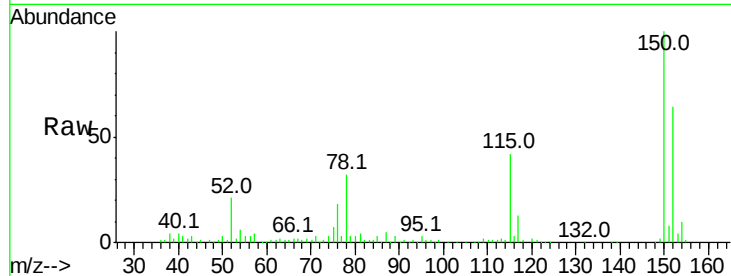


#1

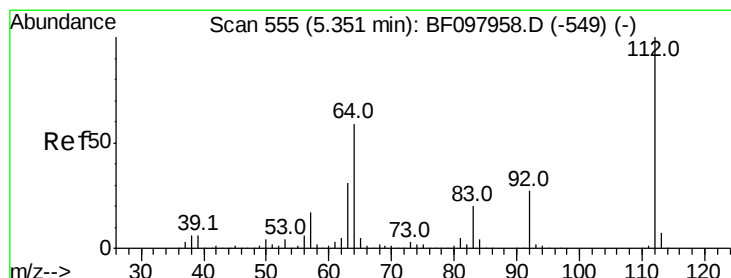
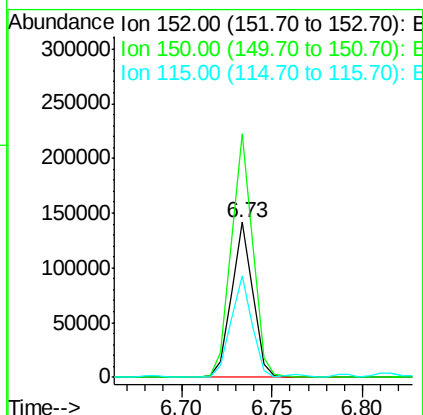
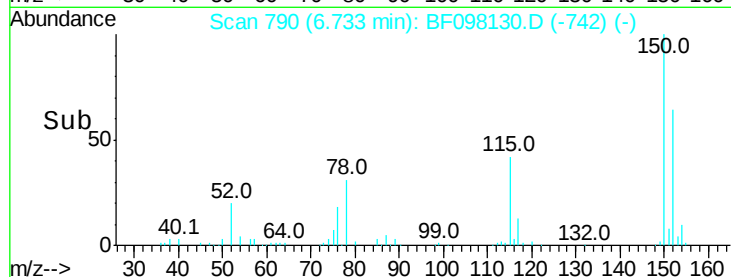
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF098130.D
 Acq: 30 Aug 2017 00:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 116946
 Ion Ratio Lower Upper
 152 100
 150 157.3 126.2 189.2
 115 65.4 52.2 78.2



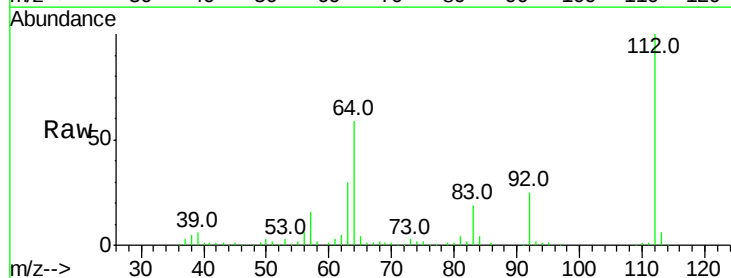
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



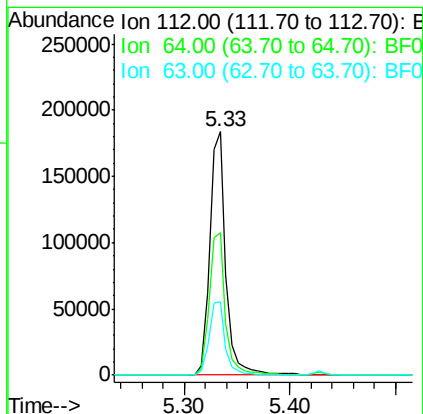
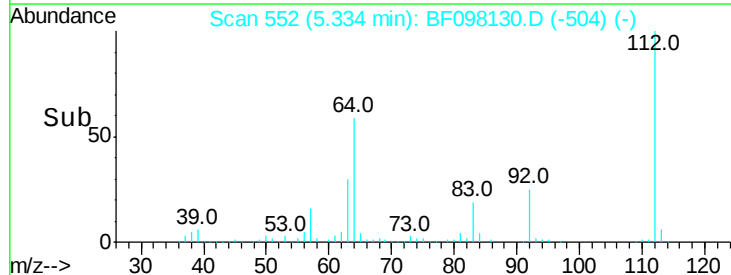
#5

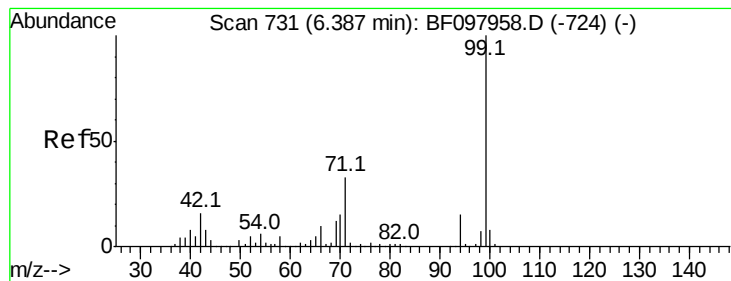
2-Fluorophenol
 Concen: 25.423 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: BF098130.D
 Acq: 30 Aug 2017 00:18

Tgt Ion:112 Resp: 195463
 Ion Ratio Lower Upper
 112 100
 64 58.6 46.0 69.0
 63 30.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.644 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

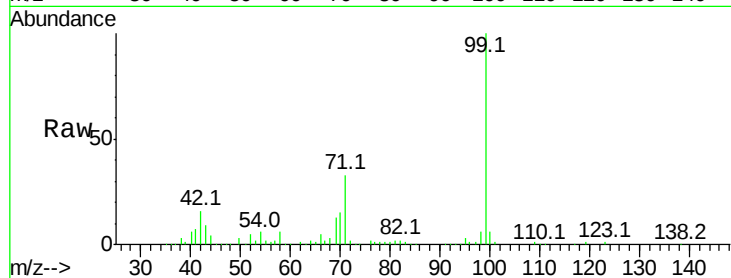
Tot Ion: 99 Resp: 257443

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

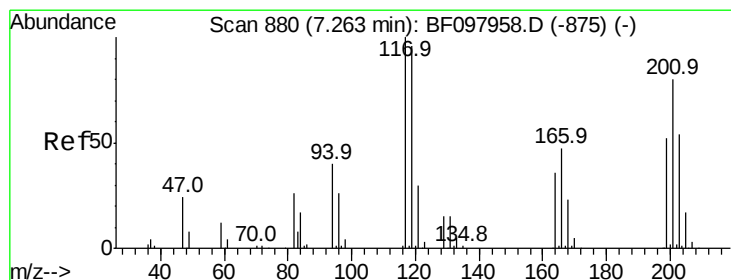
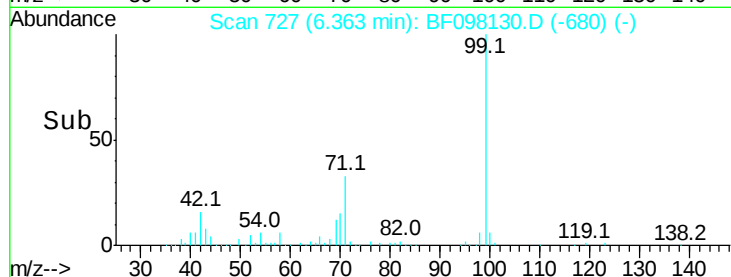
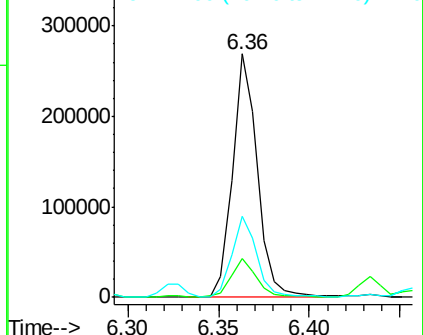
71 33.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#18

Hexachloroethane

Concen: 15.844 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

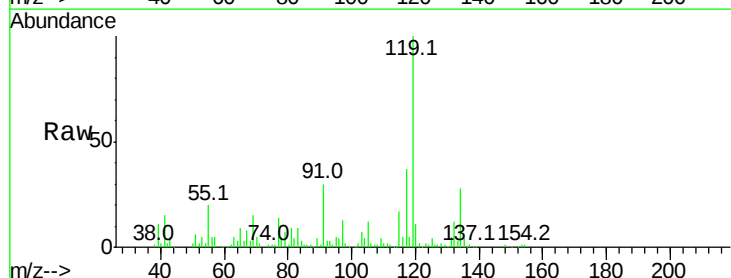
Tgt Ion: 117 Resp: 55102

Ion Ratio Lower Upper

117 100

119 272.9 77.4 116.0#

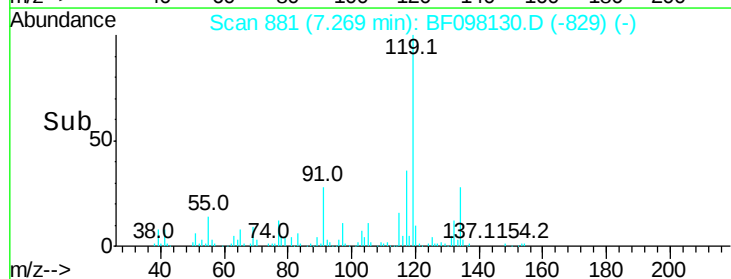
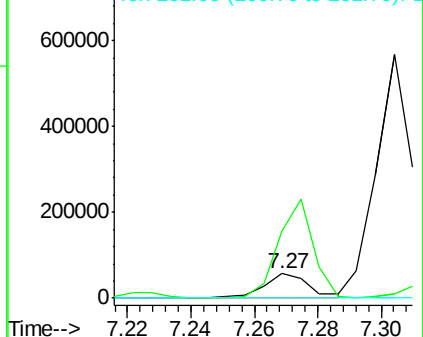
201 0.0 94.6 141.8#

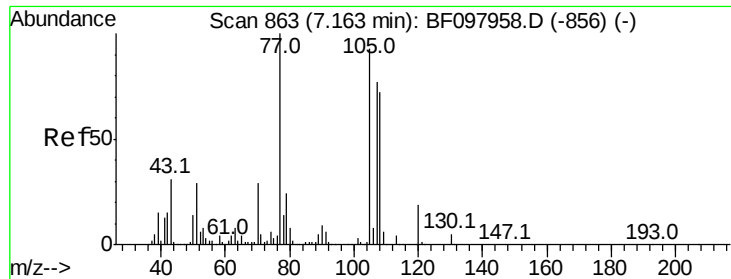


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#20

3+4-Methylphenols

Concen: 2.131 ng

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF098130.D

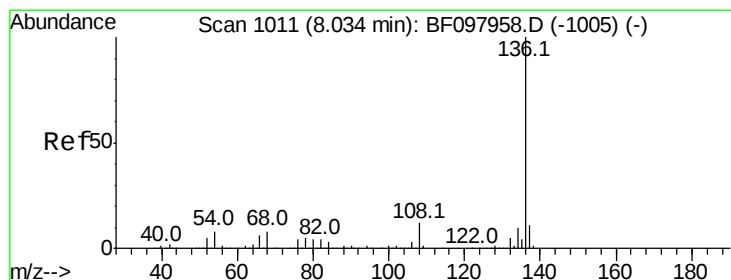
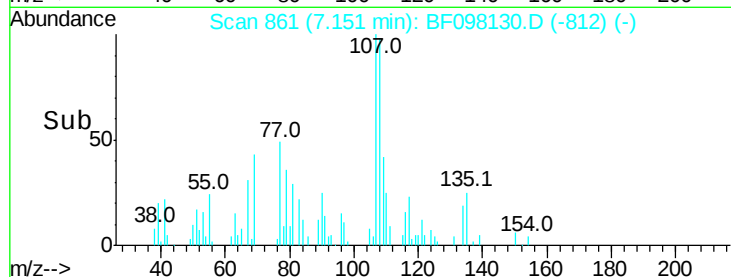
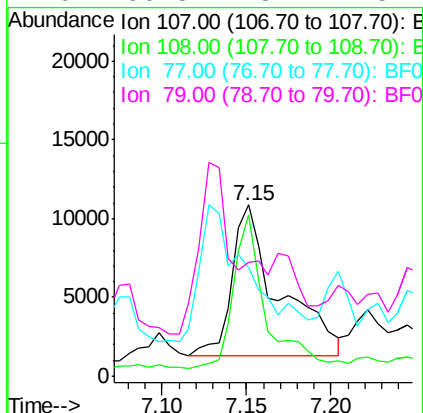
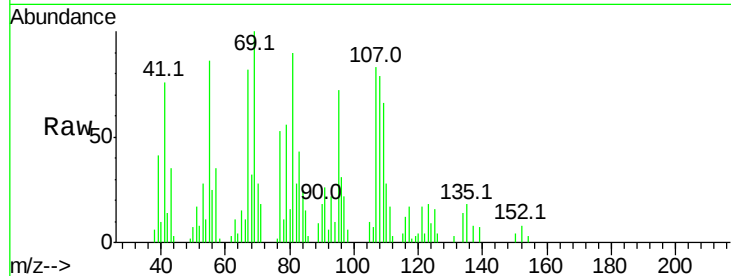
Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	18596
Ion	Ratio	Lower	Upper
107	100		
108	94.1	71.0	111.0
77	63.3	90.5	130.5#
79	66.8	8.4	48.4#



#21

Naphthalene-d8

Concen: 20.000 ng

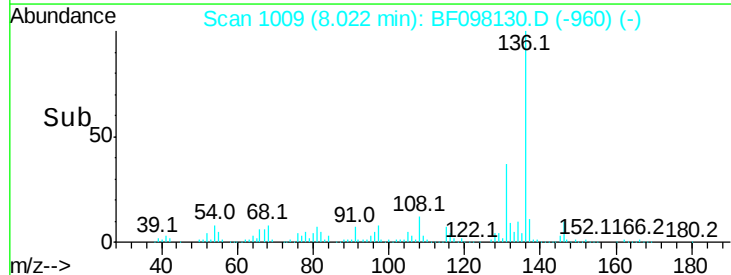
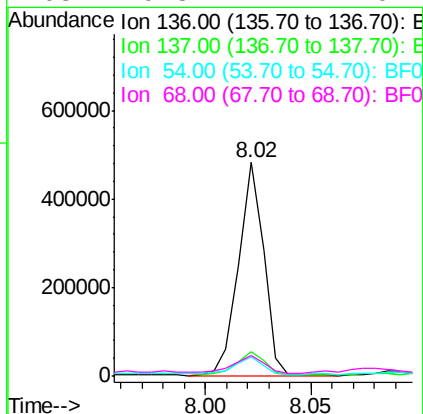
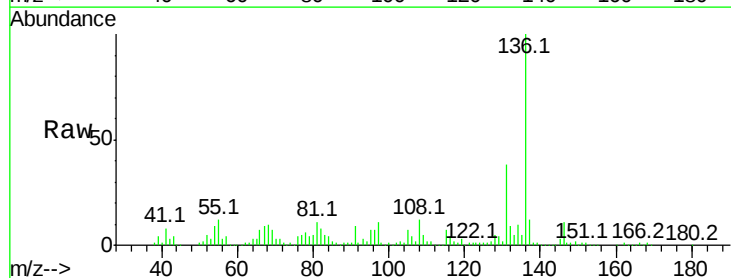
RT: 8.02 min Scan# 1009

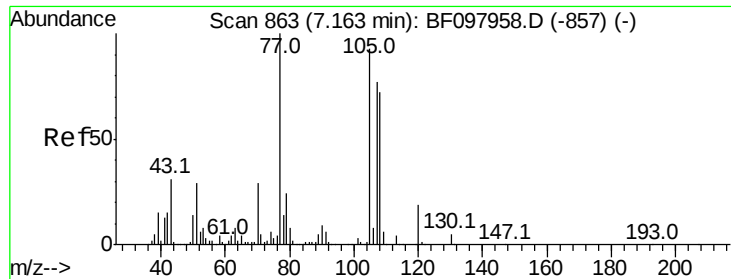
Delta R.T. -0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Tgt Ion:	136	Resp:	397531
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	8.9	4.9	7.3#
68	9.8	4.1	6.1#





#22

Acetophenone

Concen: 4.699 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:105 Resp: 49350

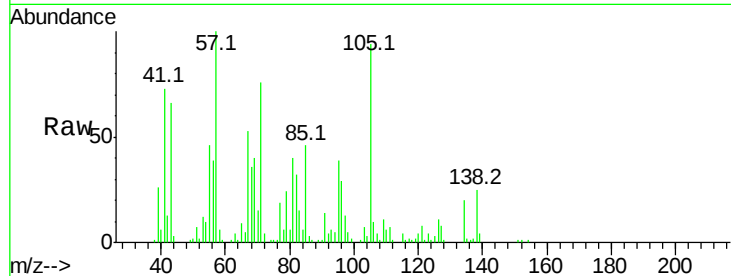
Ion Ratio Lower Upper

105 100

71 81.0 2.8 4.2#

51 7.4 30.7 46.1#

120 4.4 17.4 26.0#



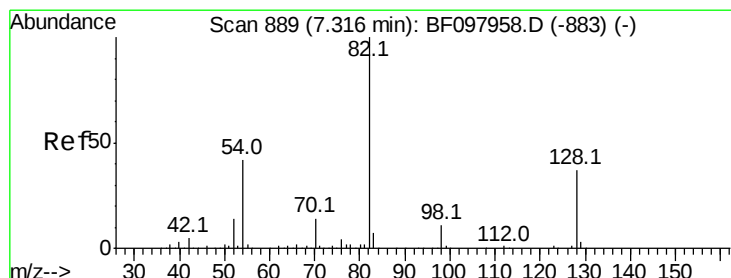
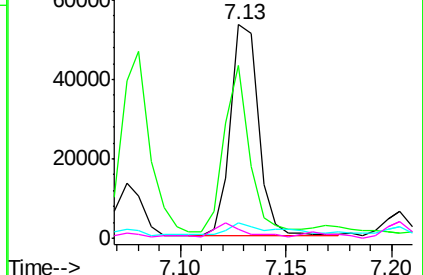
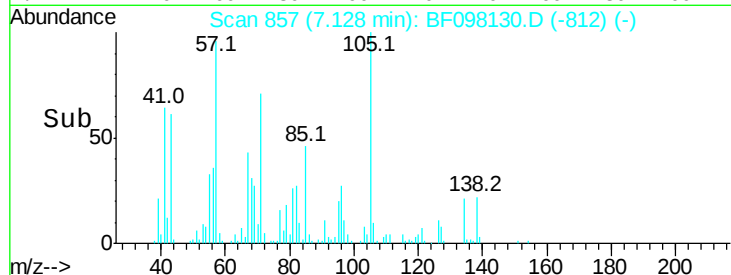
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 19.878 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

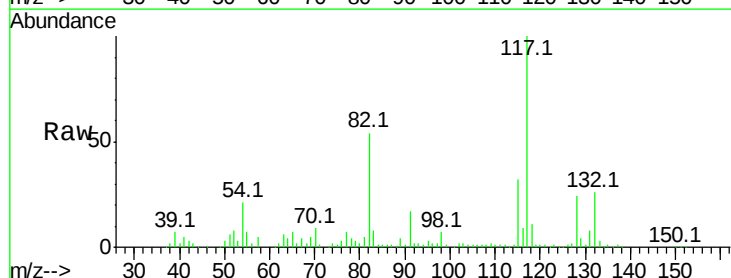
Tgt Ion: 82 Resp: 145461

Ion Ratio Lower Upper

82 100

128 45.4 34.0 51.0

54 38.8 42.2 63.2#

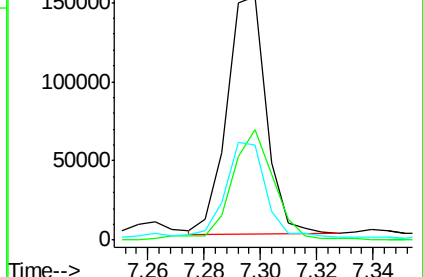
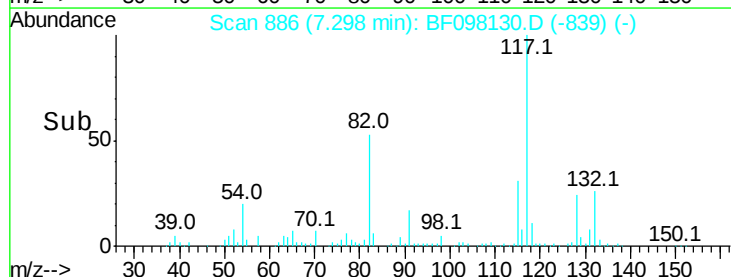


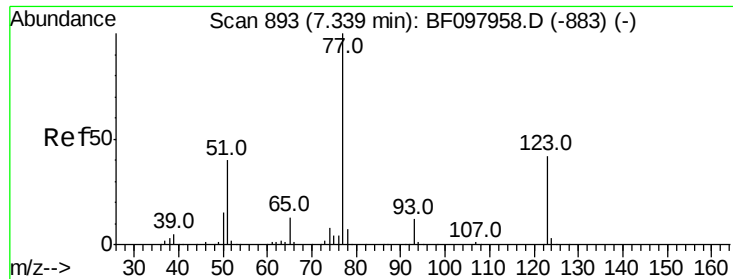
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

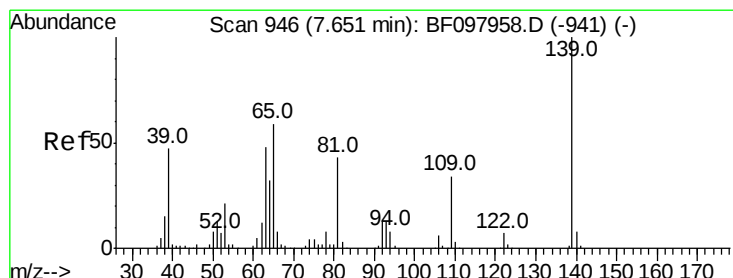
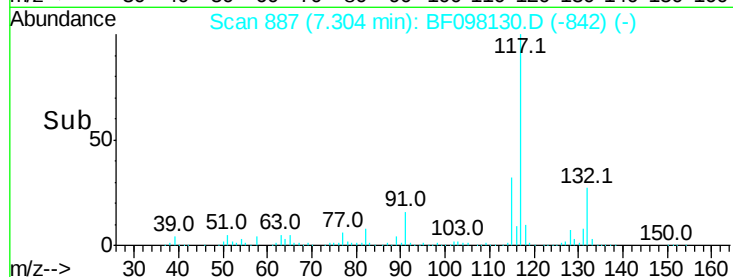
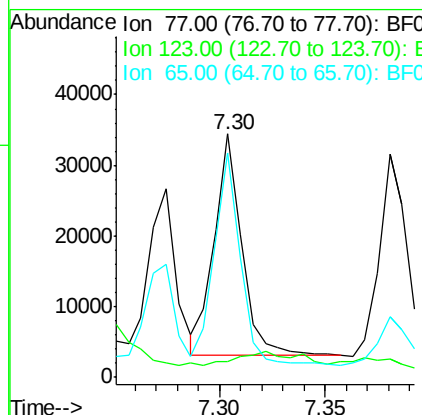
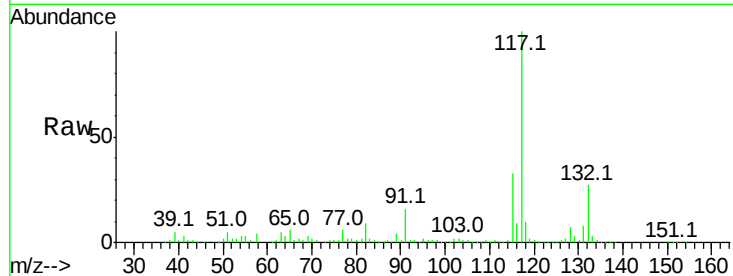




#24
Nitrobenzene
Concen: 3.548 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.04 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

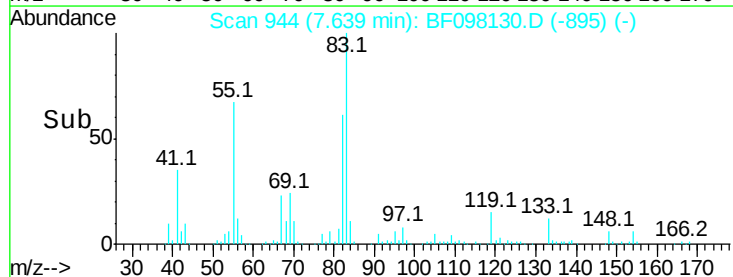
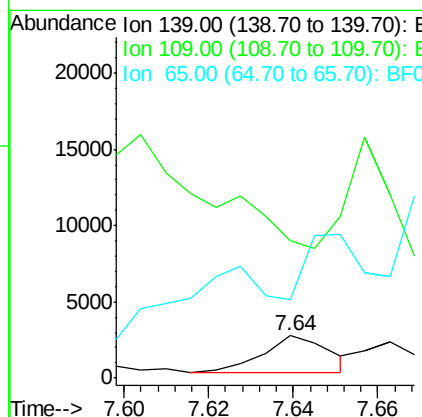
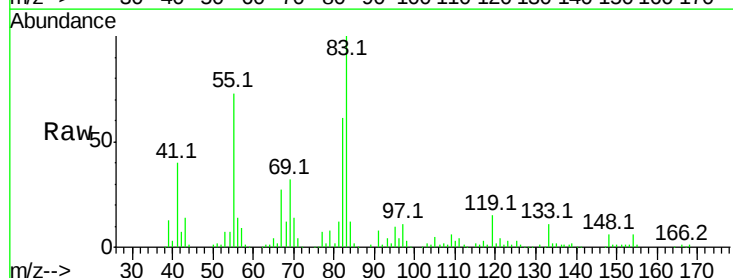
Instrument :
BNA_F
ClientSampled :

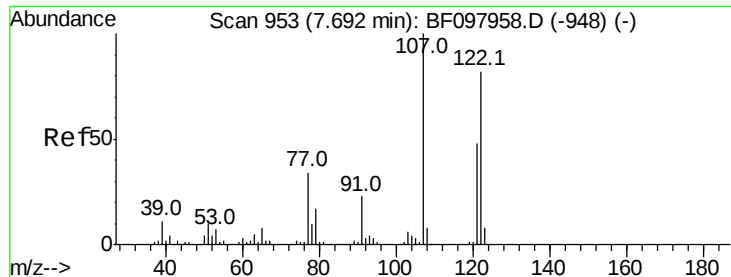
Tot Ion: 77 Resp: 28912
Ion Ratio Lower Upper
77 100
123 6.7 35.8 53.8#
65 92.3 10.6 15.8#



#26
2-Nitrophenol
Concen: 6.037 ng
RT: 7.64 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

Tgt Ion:139 Resp: 2583
Ion Ratio Lower Upper
139 100
109 325.4 21.0 31.6#
65 185.8 33.0 49.6#

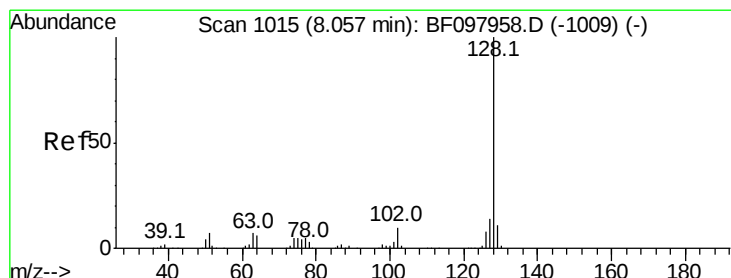
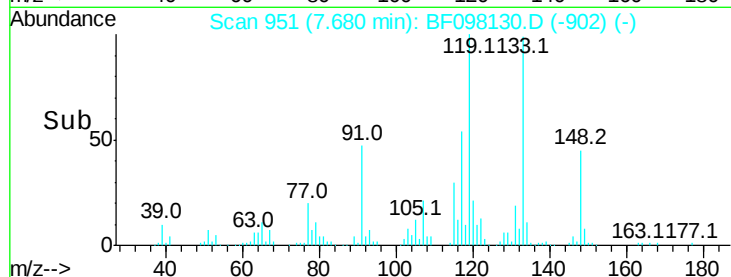
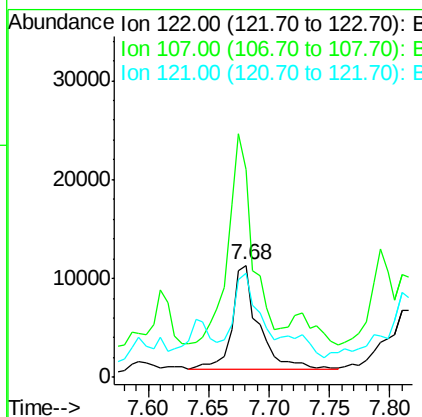
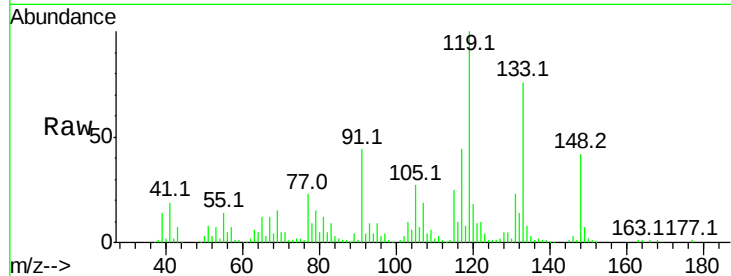




#27
2,4-Dimethylphenol
Concen: 2.492 ng
RT: 7.68 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

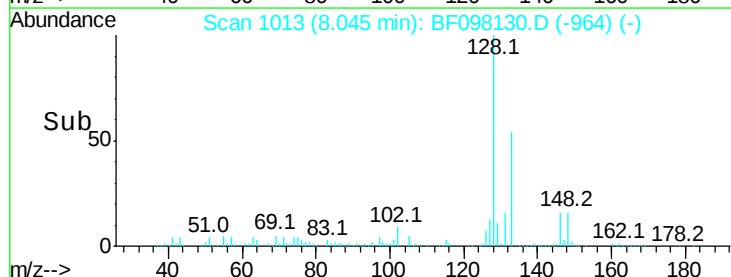
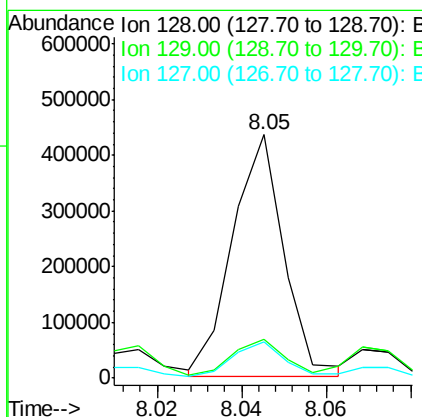
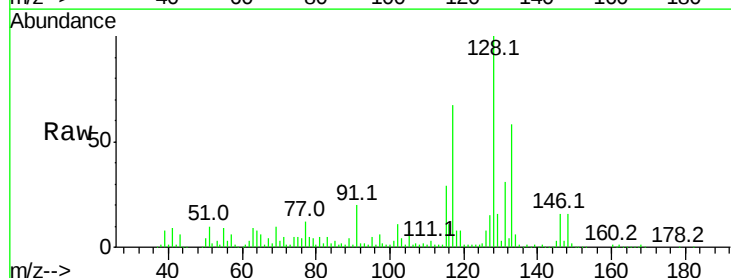
Instrument :
BNA_F
ClientSampleId :

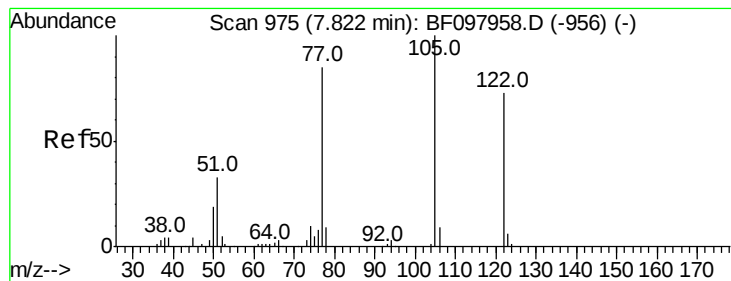
Tot Ion:122 Resp: 15811
Ion Ratio Lower Upper
122 100
107 185.0 89.2 133.8#
121 92.7 45.2 67.8#



#31
Naphthalene
Concen: 17.730 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

Tgt Ion:128 Resp: 365901
Ion Ratio Lower Upper
128 100
129 15.8 9.0 13.6#
127 14.7 10.8 16.2





#32

Benzoic acid

Concen: 8.950 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampled :

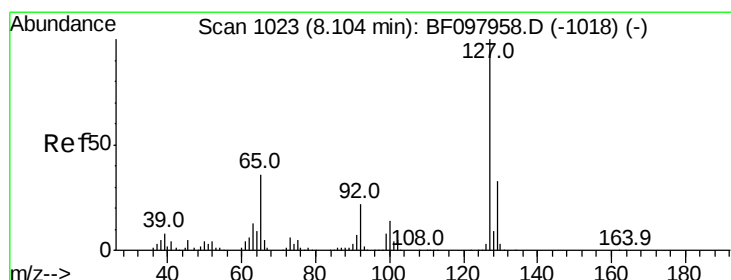
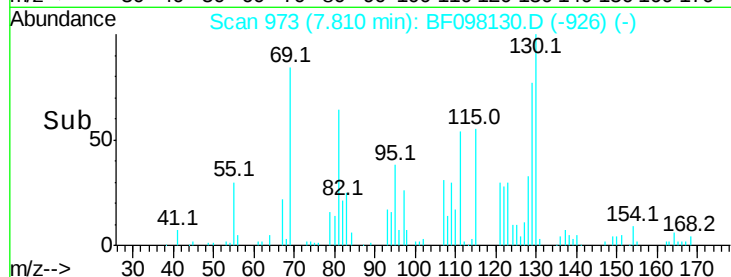
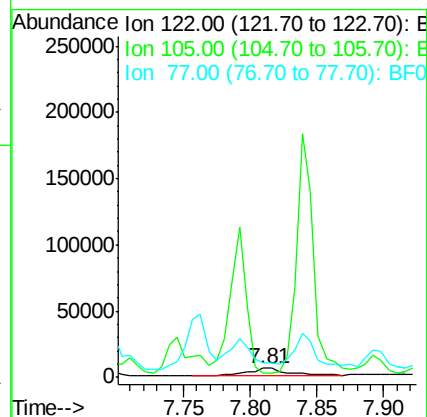
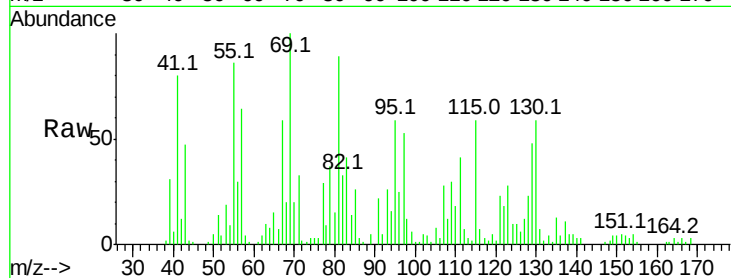
Tot Ion:122 Resp: 13580

Ion Ratio Lower Upper

122 100

105 44.2 103.3 143.3#

77 160.9 73.7 113.7#



#33

4-Chloroaniline

Concen: 2.067 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.04 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Tgt Ion:127 Resp: 17989

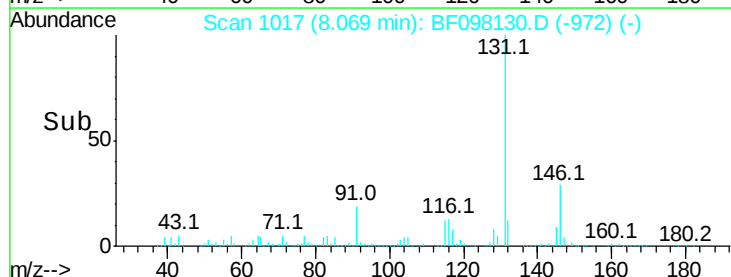
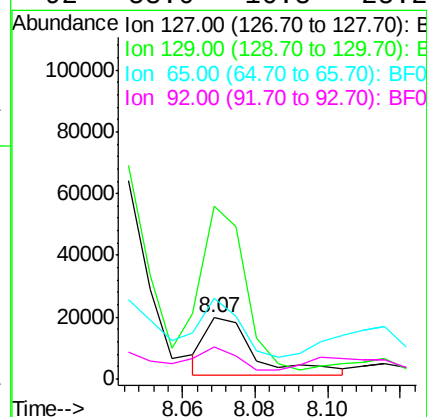
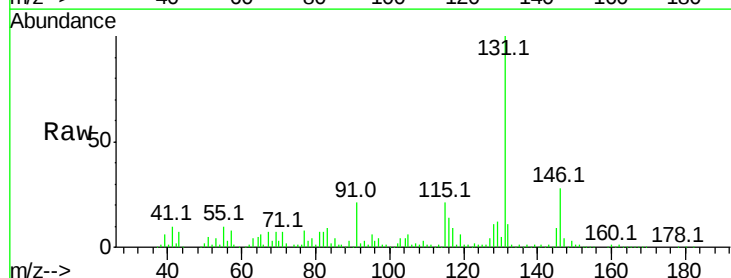
Ion Ratio Lower Upper

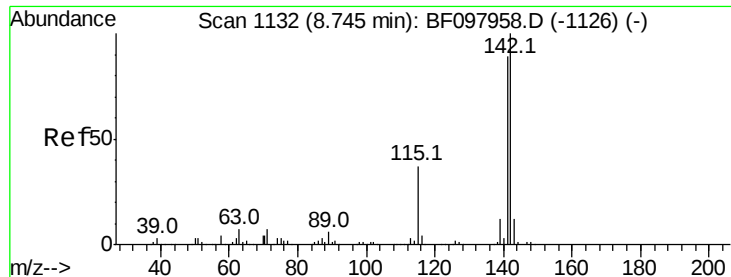
127 100

129 281.9 26.2 39.2#

65 131.3 27.8 41.8#

92 53.0 16.8 25.2#

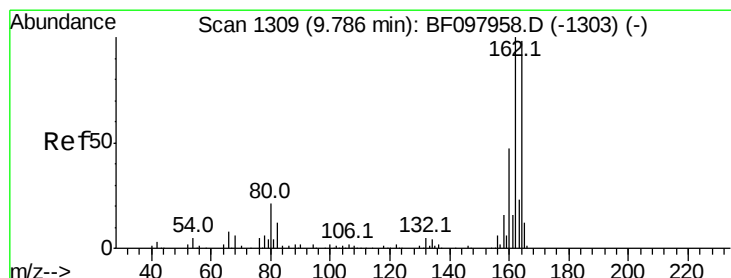
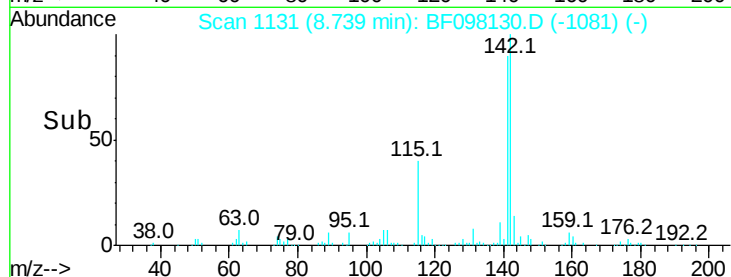
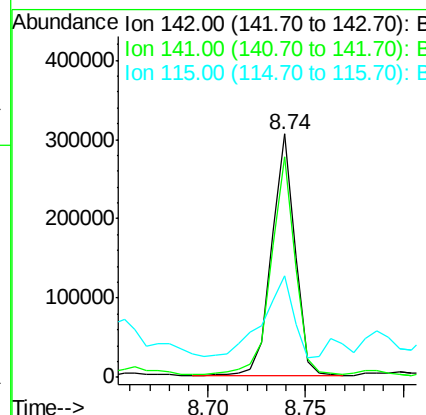
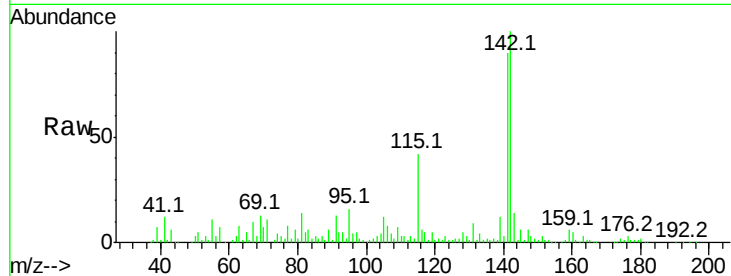




#37
 2-Methylnaphthalene
 Concen: 20.223 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BF098130.D
 Acq: 30 Aug 2017 00:18

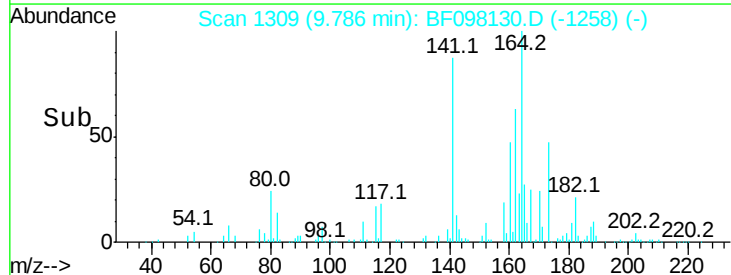
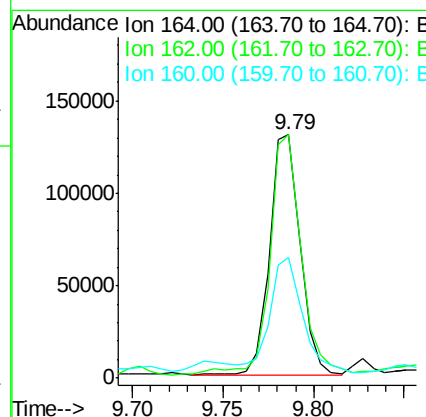
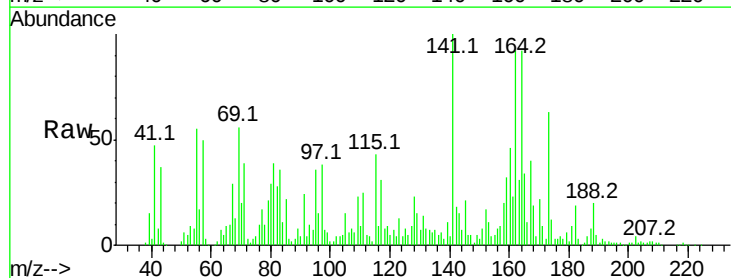
Instrument :
 BNA_F
 ClientSampled :

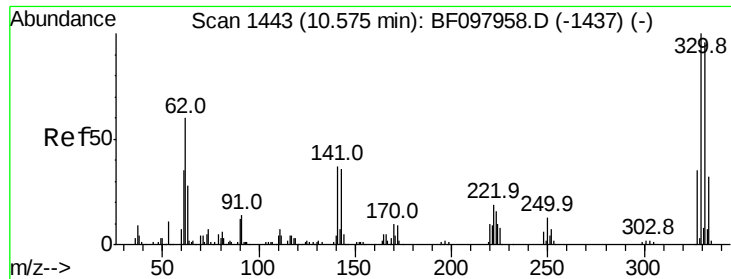
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.3	106.9
115	41.6	27.1	40.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF098130.D
 Acq: 30 Aug 2017 00:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.6	123.8
160	49.5	36.2	54.2

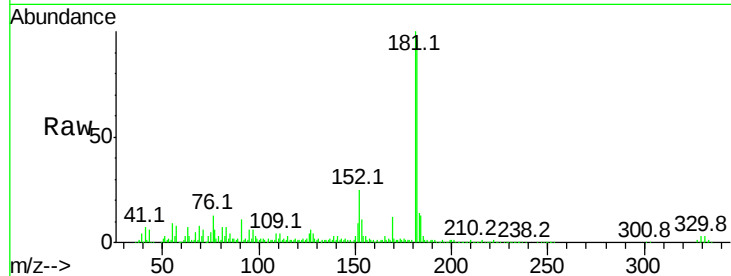




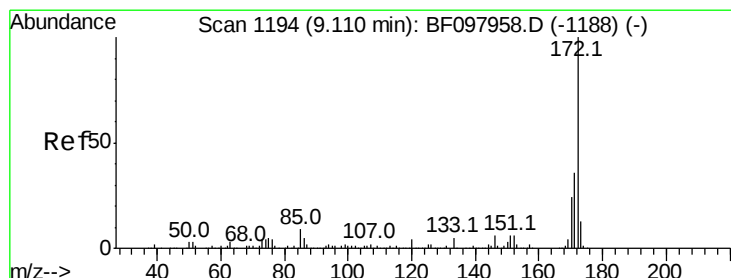
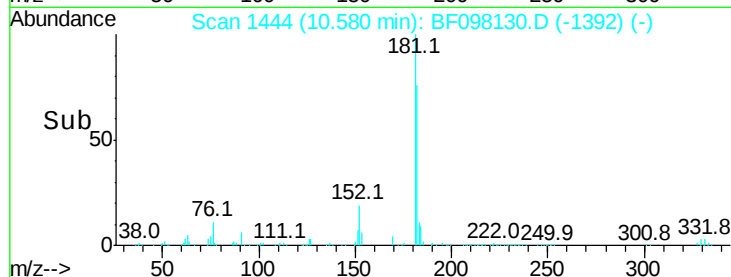
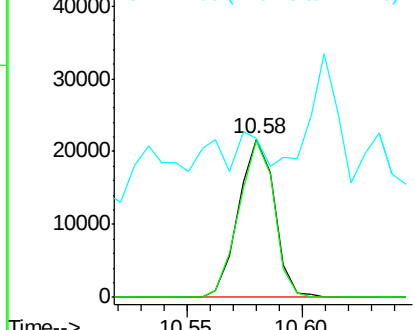
#41
 2,4,6-Tribromophenol
 Concen: 17.881 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: BF098130.D
 Acq: 30 Aug 2017 00:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 23550
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 15.9 31.4 47.2#

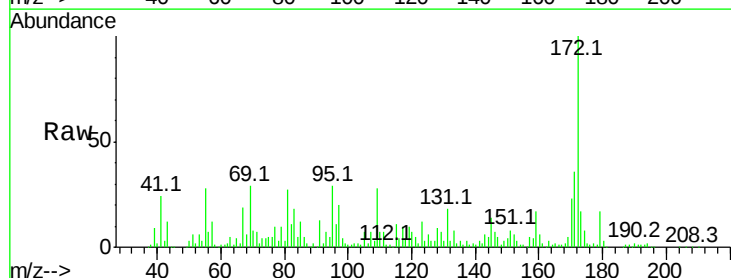


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

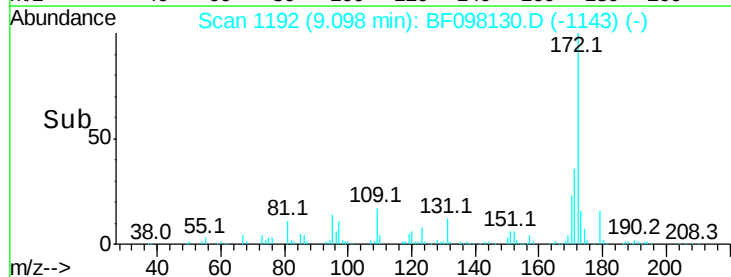
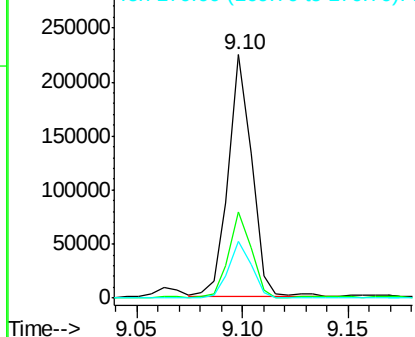


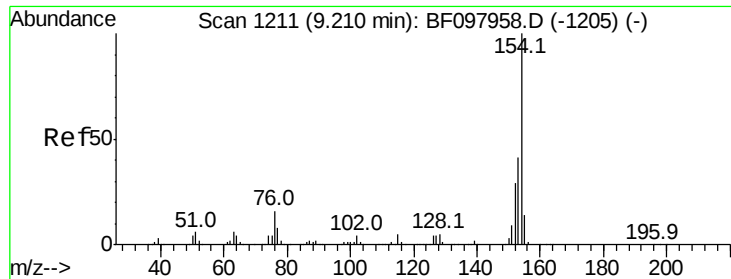
#44
 2-Fluorobiphenyl
 Concen: 16.728 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098130.D
 Acq: 30 Aug 2017 00:18

Tgt Ion:172 Resp: 172828
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.2 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 6.551 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampled :

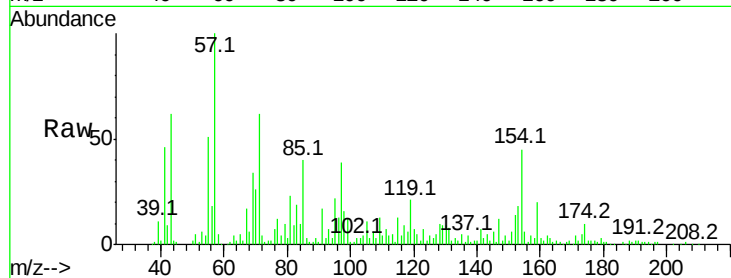
Tot Ion:154 Resp: 90684

Ion Ratio Lower Upper

154 100

153 40.8 21.2 61.2

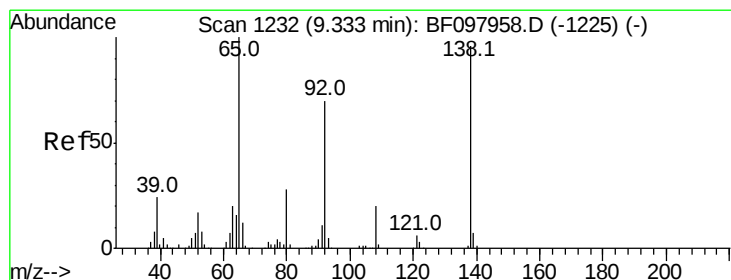
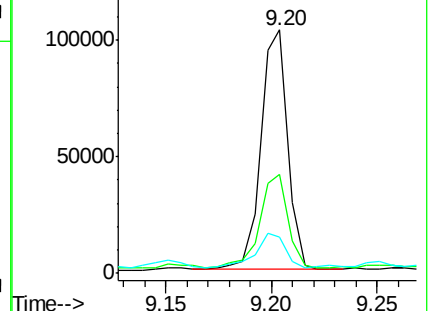
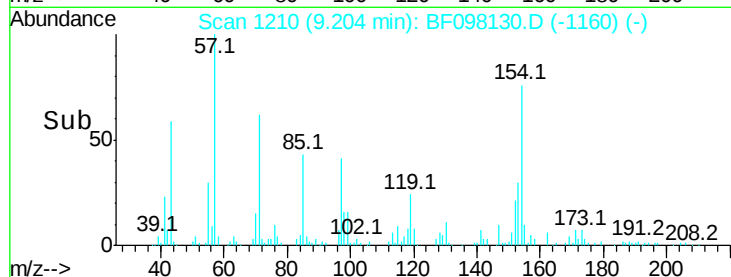
76 14.9 0.0 29.9



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): BF0



#47

2-Nitroaniline

Concen: 2.932 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.02 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

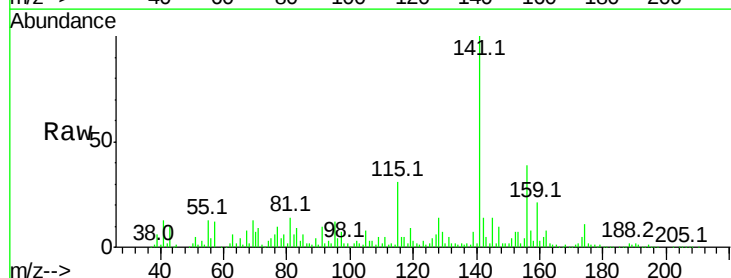
Tgt Ion: 65 Resp: 10054

Ion Ratio Lower Upper

65 100

92 46.4 53.9 80.9#

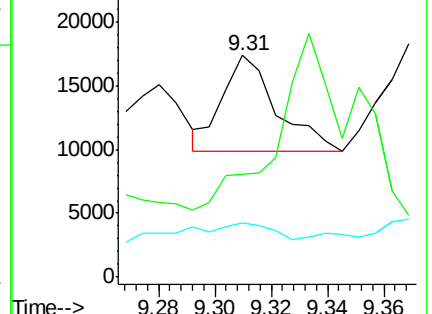
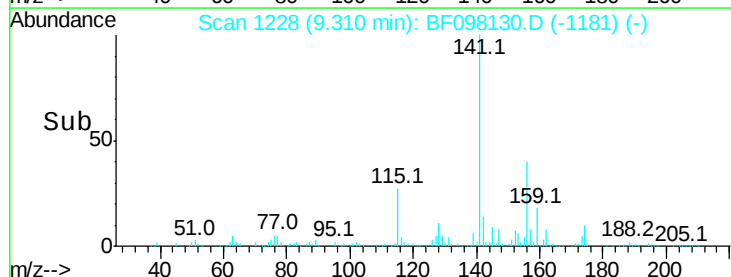
138 24.6 78.8 118.2#

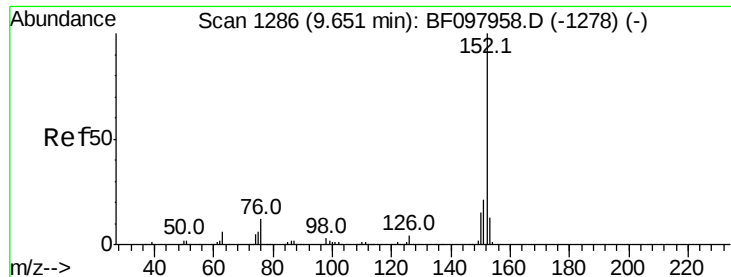


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 8.094 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampled :

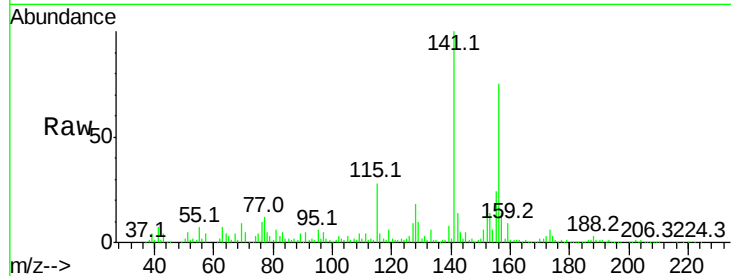
Tot Ion:152 Resp: 129997

Ion Ratio Lower Upper

152 100

151 30.7 16.8 25.2#

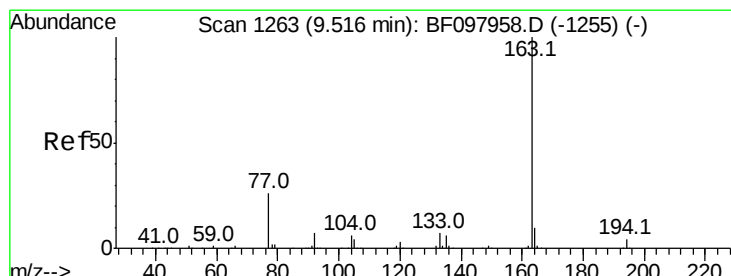
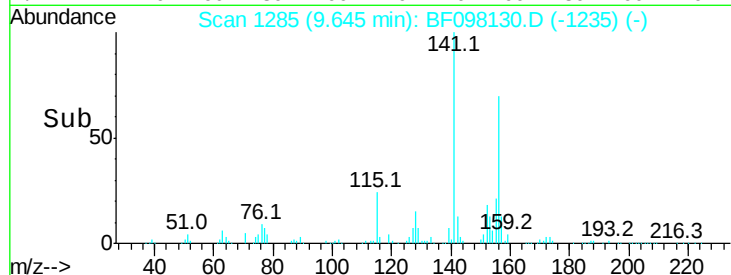
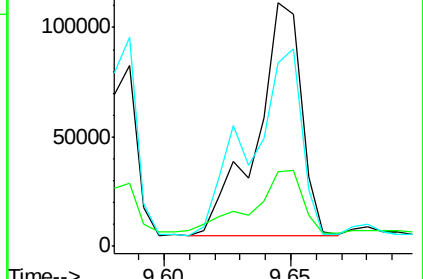
153 75.4 10.8 16.2#



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



#49

Dimethylphthalate

Concen: 5.040 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

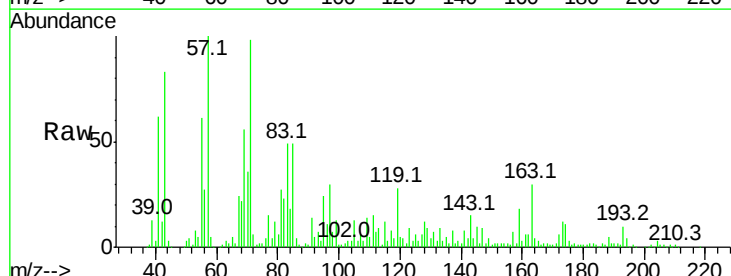
Tgt Ion:163 Resp: 55925

Ion Ratio Lower Upper

163 100

194 11.8 2.6 4.0#

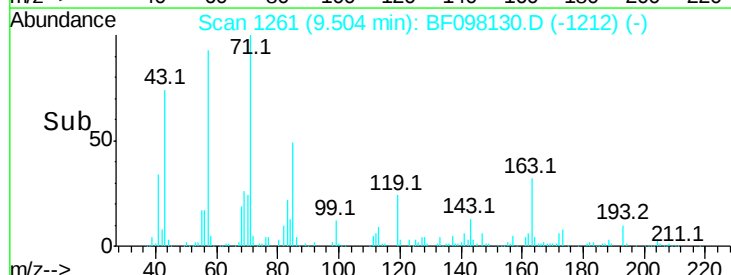
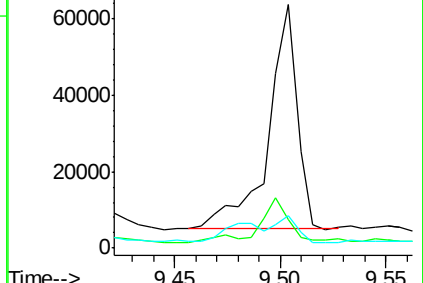
164 13.4 8.4 12.6#

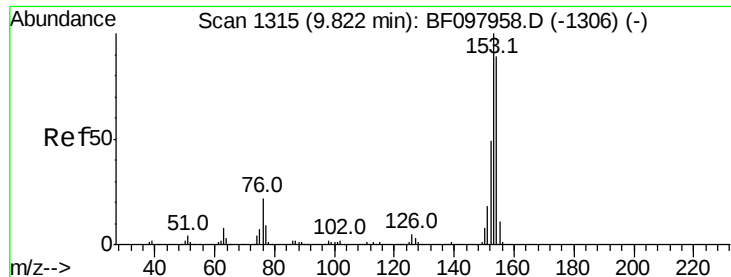


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 170.331 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

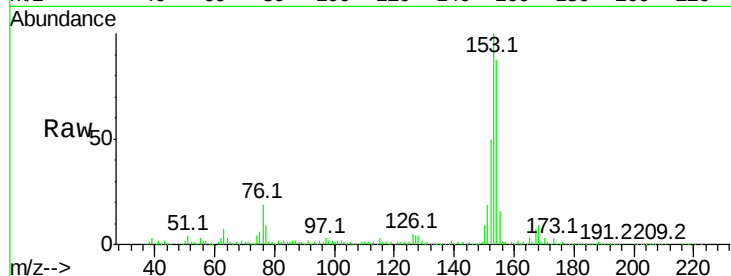
Tot Ion:154 Resp: 1725326

Ion Ratio Lower Upper

154 100

153 115.5 90.5 135.7

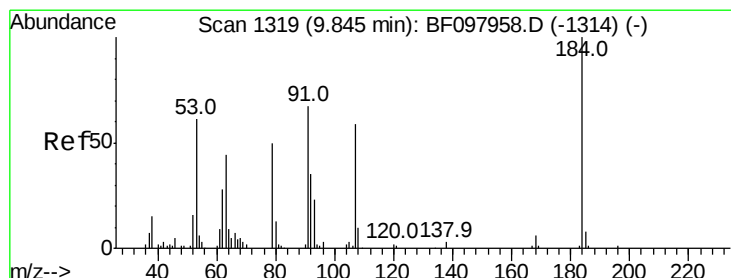
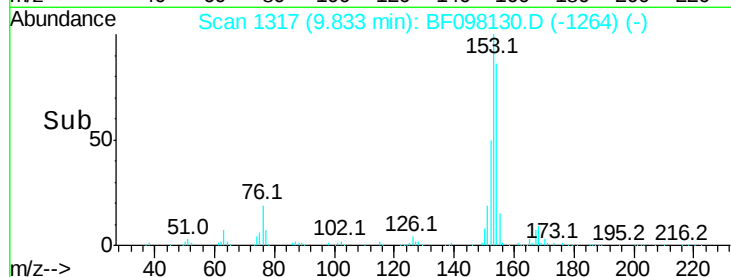
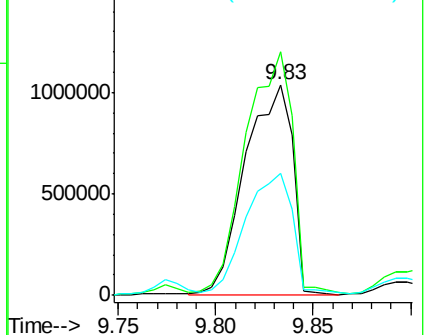
152 57.7 43.6 65.4



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

2,4-Dinitrophenol

Concen: 11.230 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

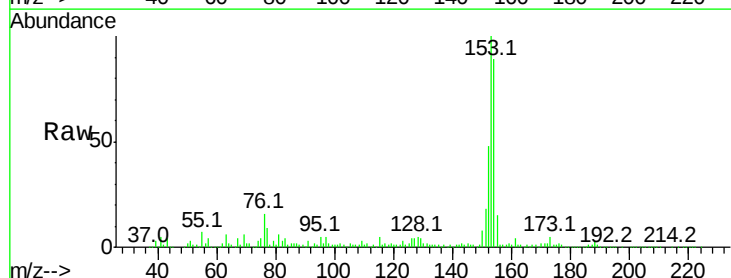
Tgt Ion:184 Resp: 1313

Ion Ratio Lower Upper

184 100

63 5235.5 62.7 94.1#

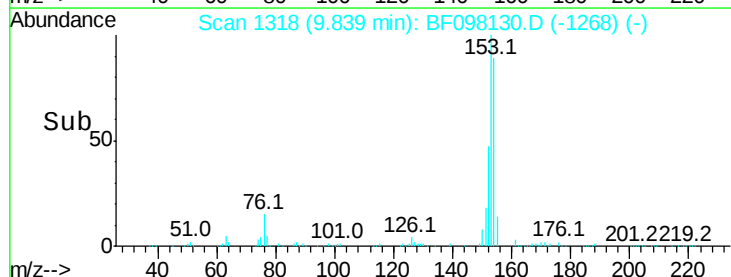
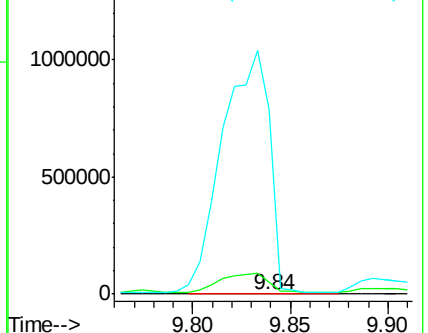
154 84281.5 81.1 121.7#

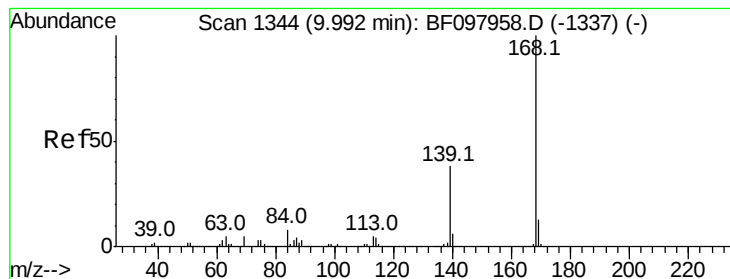


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 125.123 ng

RT: 10.00 min Scan# 1346

Delta R.T. 0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

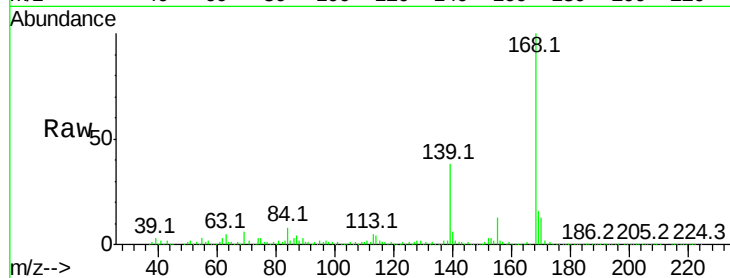
Tot Ion:168 Resp: 1698605

Ion Ratio Lower Upper

168 100

139 38.3 30.6 45.8

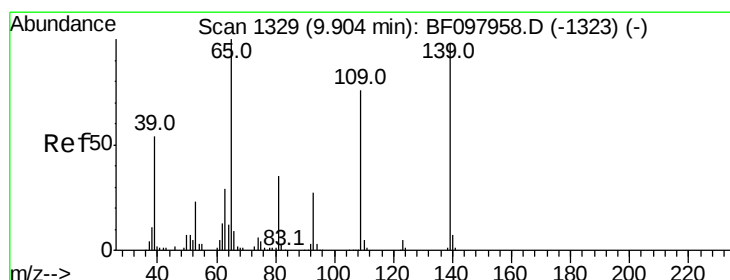
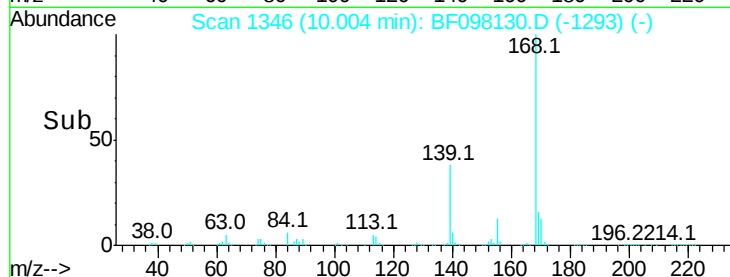
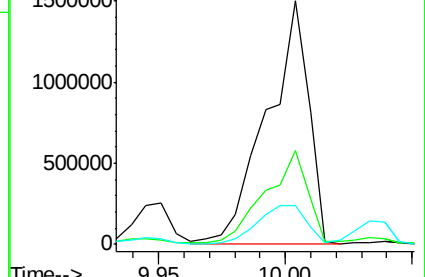
169 15.9 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 13.742 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.05 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

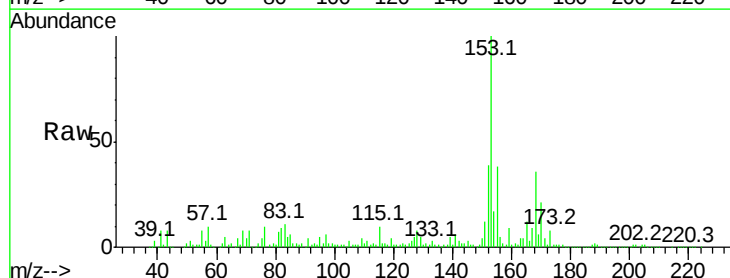
Tgt Ion:139 Resp: 31323

Ion Ratio Lower Upper

139 100

109 69.8 34.1 74.1

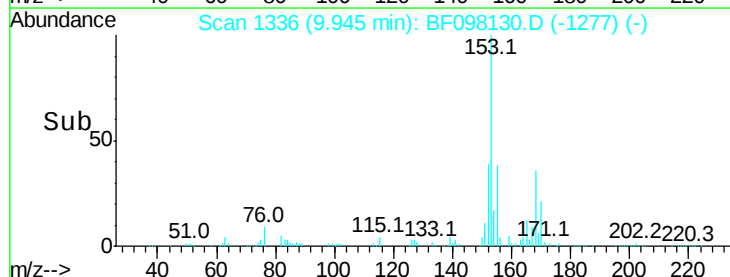
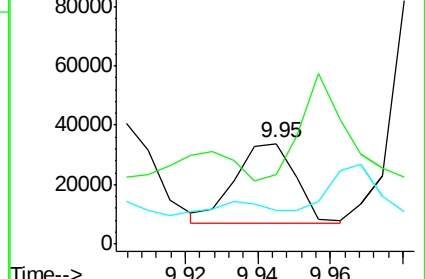
65 34.1 31.4 71.4

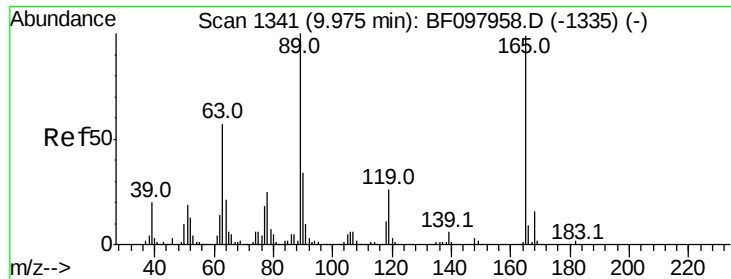


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

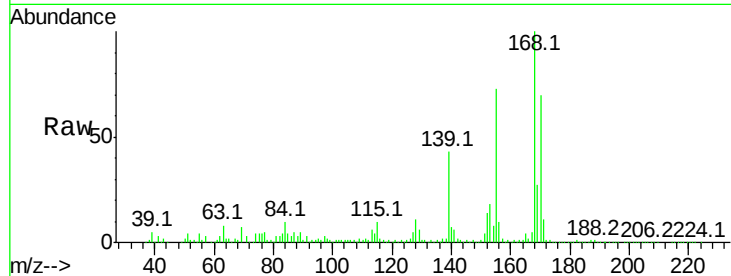




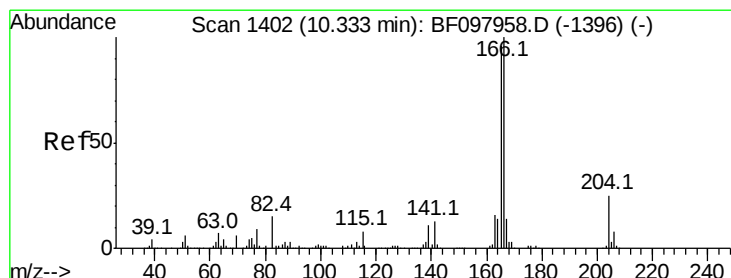
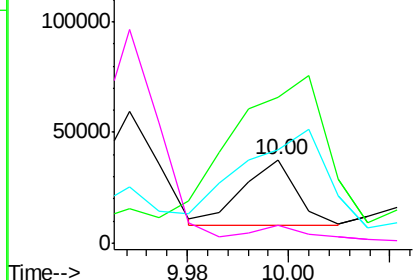
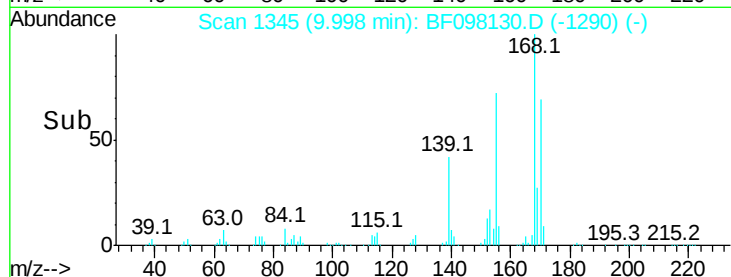
#56
2,4-Dinitrotoluene
Concen: 7.872 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.02 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 21881
Ion Ratio Lower Upper
165 100
63 174.7 25.4 38.0#
89 111.2 46.4 69.6#
182 21.1 1.8 2.6#

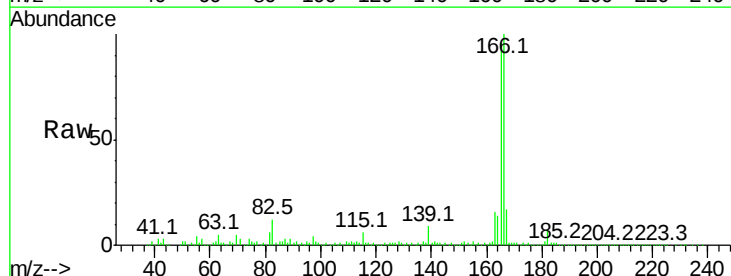


Abundance Ion 165.00 (164.70 to 165.70): E
150000
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

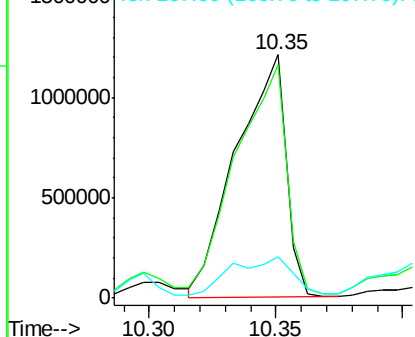
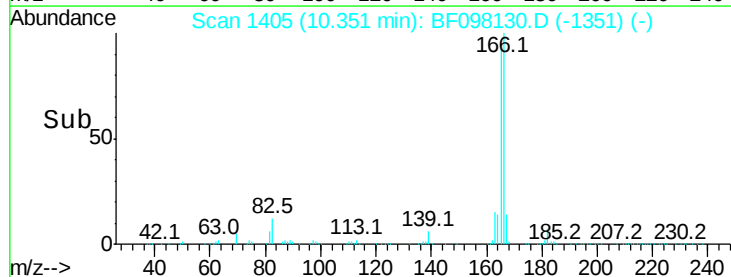


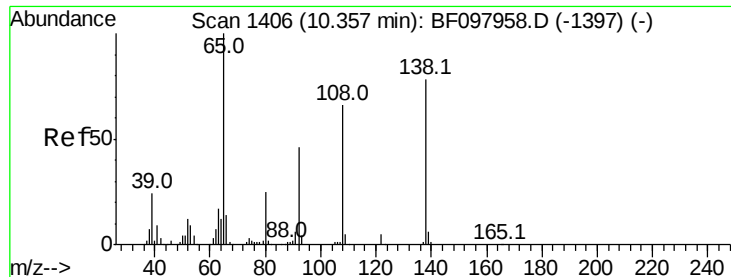
#57
Fluorene
Concen: 157.515 ng
RT: 10.35 min Scan# 1405
Delta R.T. 0.02 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

Tgt Ion:166 Resp: 1653251
Ion Ratio Lower Upper
166 100
165 95.9 78.8 118.2
167 16.8 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
1500000
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

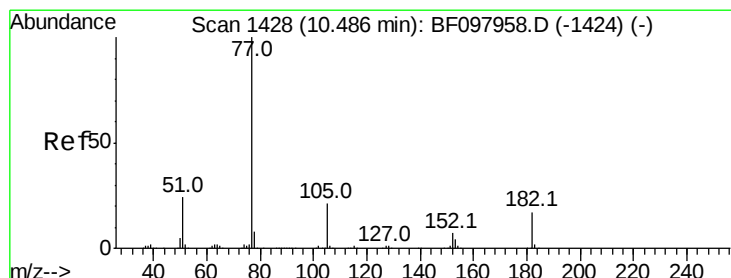
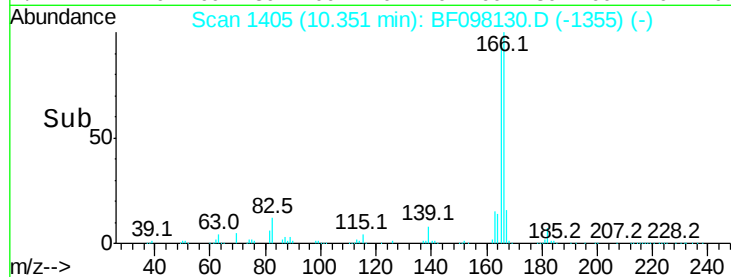
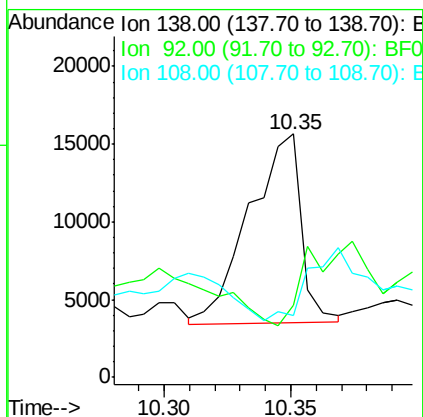
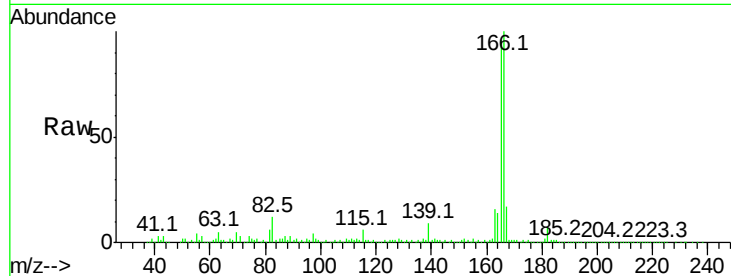




#61
4-Nitroaniline
Concen: 6.407 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

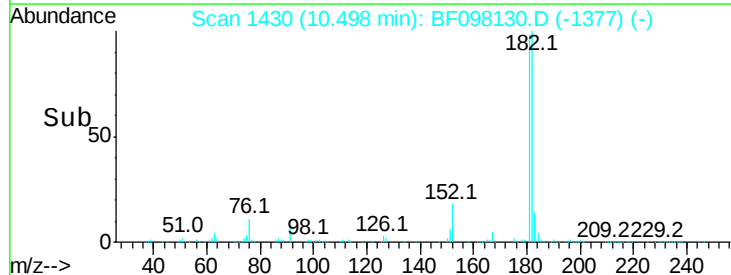
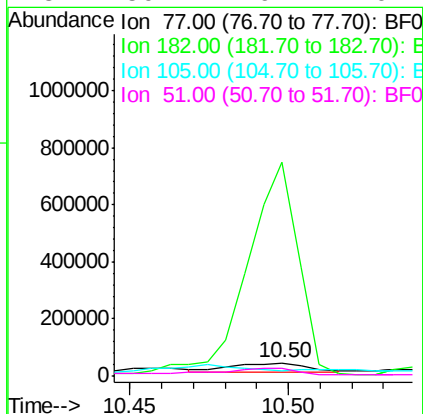
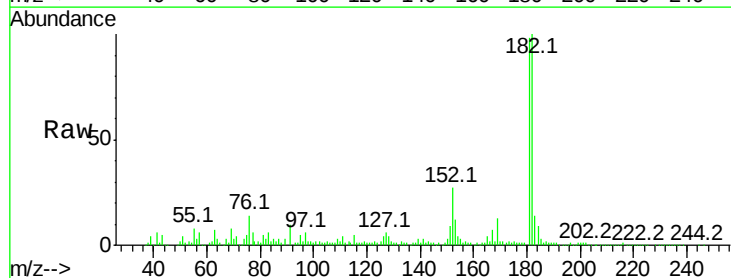
Instrument :
BNA_F
ClientSampled :

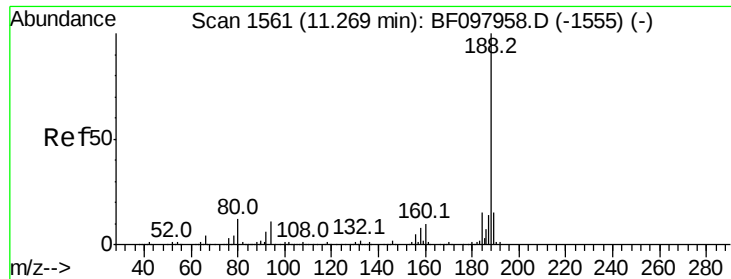
Tot Ion:138 Resp: 17400
Ion Ratio Lower Upper
138 100
92 29.9 21.8 61.8
108 25.3 42.3 82.3#



#62
Azobenzene
Concen: 3.593 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

Tgt Ion: 77 Resp: 49516
Ion Ratio Lower Upper
77 100
182 1618.1 0.1 40.1#
105 39.1 3.6 43.6
51 59.1 9.4 49.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

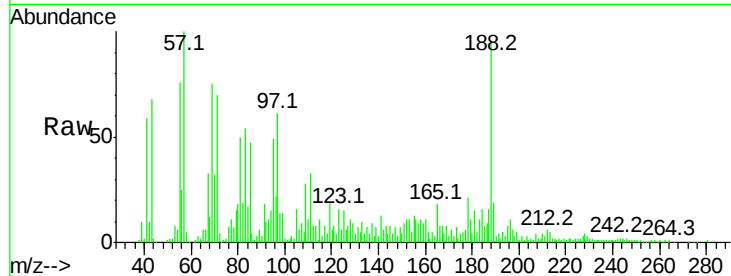
Tot Ion:188 Resp: 221268

Ion Ratio Lower Upper

188 100

94 16.0 9.4 14.2#

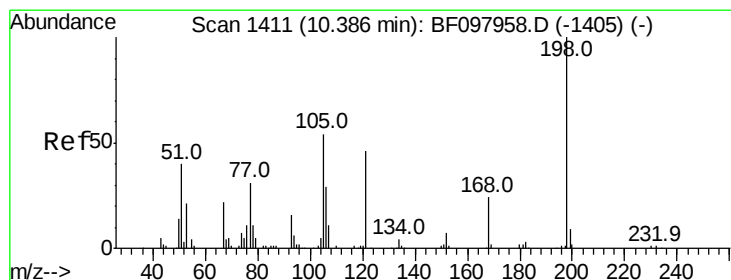
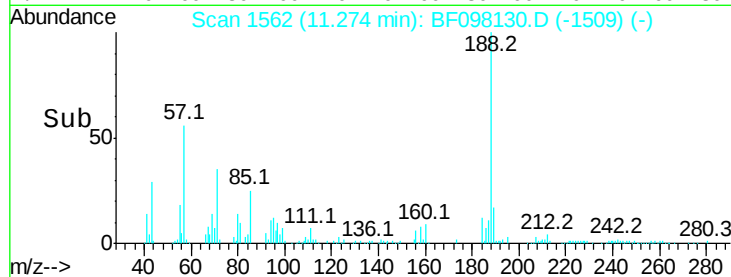
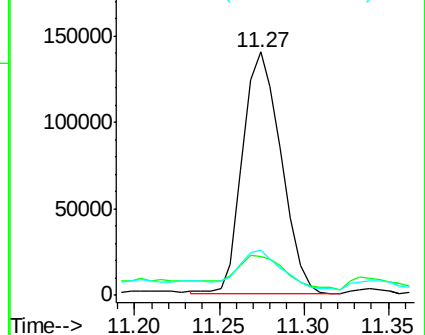
80 18.5 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 10.281 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.02 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

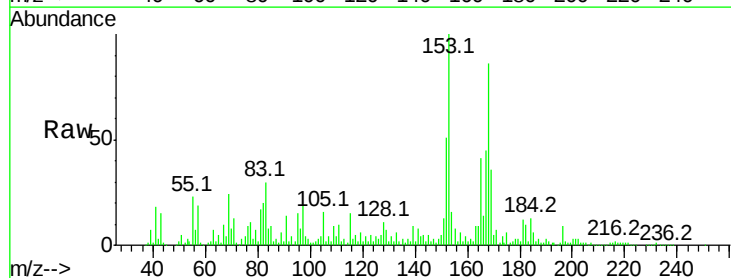
Tgt Ion:198 Resp: 2472

Ion Ratio Lower Upper

198 100

51 430.8 53.2 93.2#

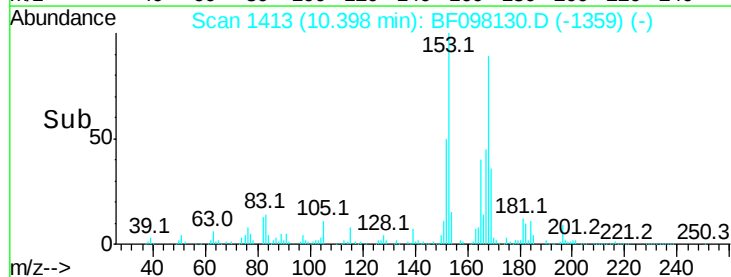
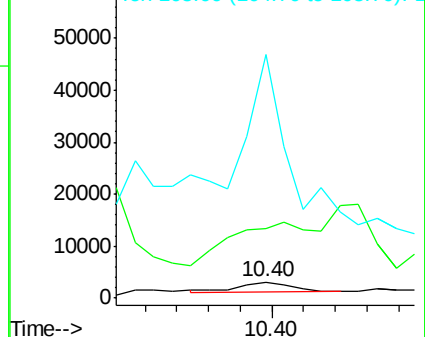
105 1517.1 45.8 85.8#

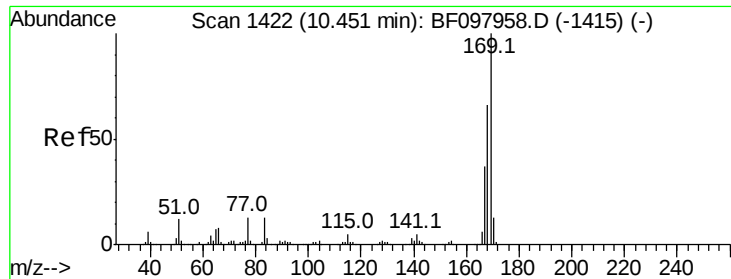


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 25.276 ng

RT: 10.45 min Scan# 1422

Delta R.T. 0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampled :

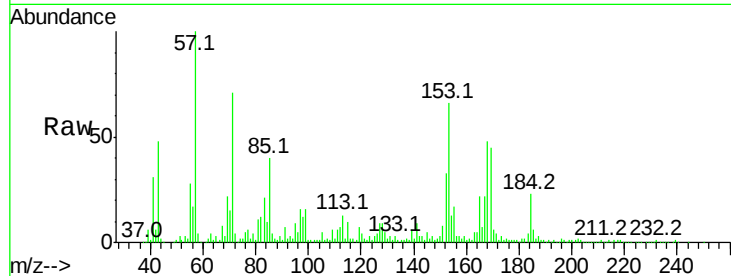
Tot Ion:169 Resp: 190454

Ion Ratio Lower Upper

169 100

168 106.2 53.2 79.8#

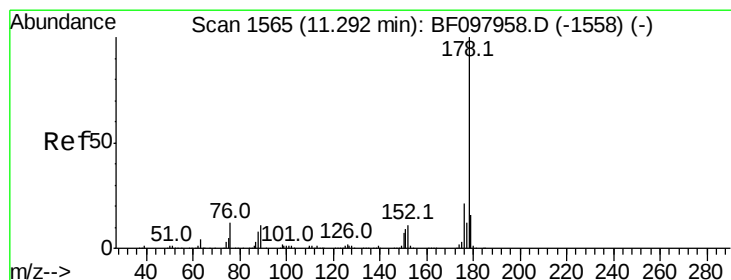
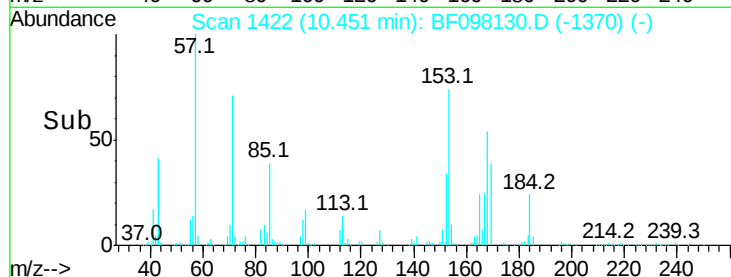
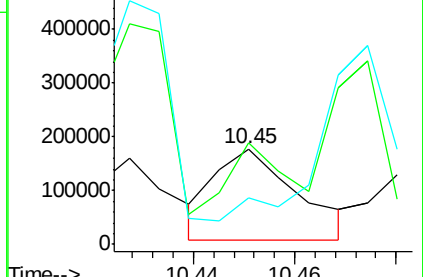
167 48.4 29.5 44.3#



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



#70

Phenanthrene

Concen: 293.965 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.03 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

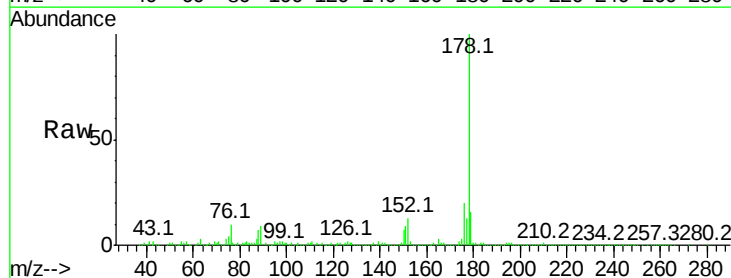
Tgt Ion:178 Resp: 3466067

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

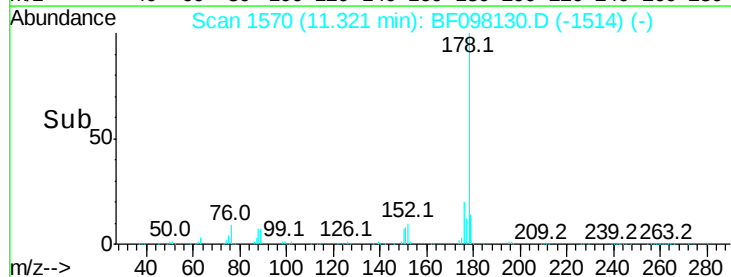
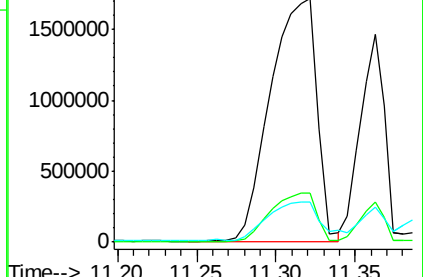
179 16.4 12.6 19.0

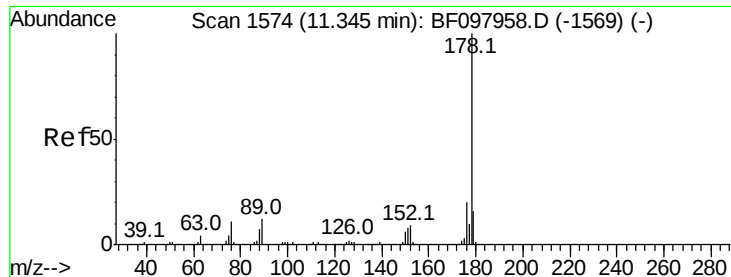


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 130.009 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.02 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

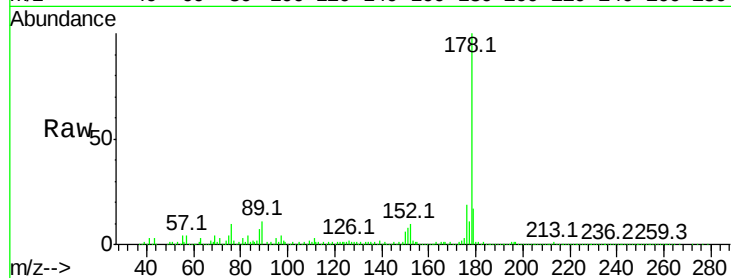
Tot Ion:178 Resp: 1554772

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

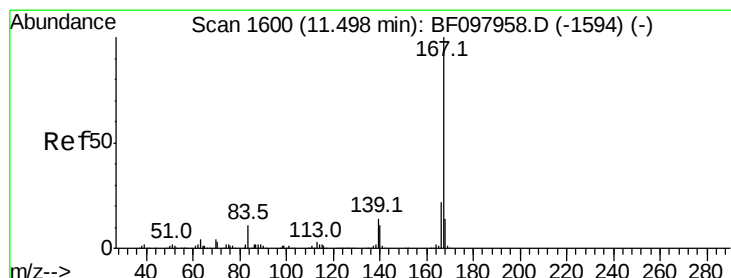
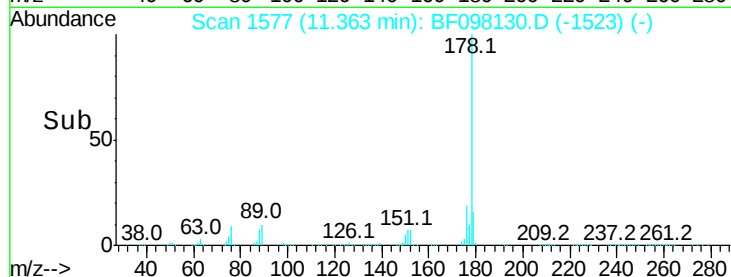
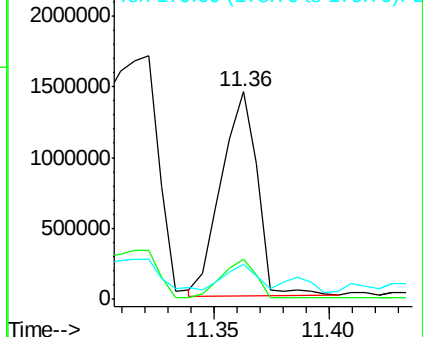
179 16.5 12.7 19.1



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

Carbazole

Concen: 2.757 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

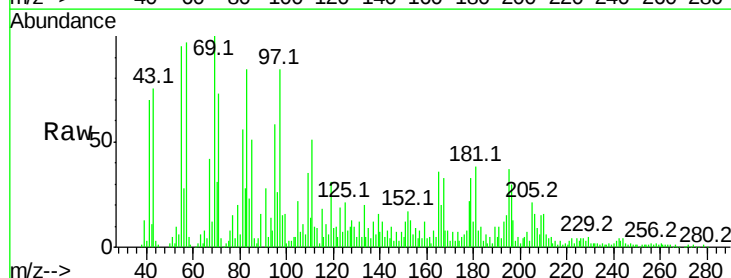
Tgt Ion:167 Resp: 31299

Ion Ratio Lower Upper

167 100

166 60.8 18.1 27.1#

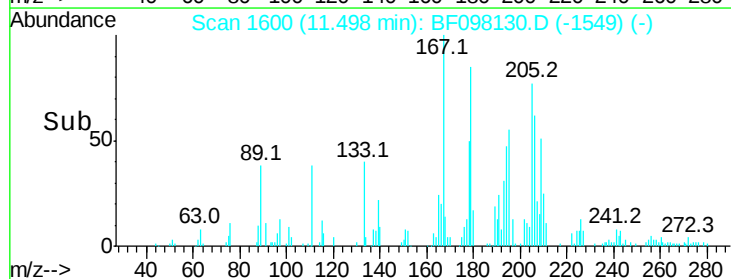
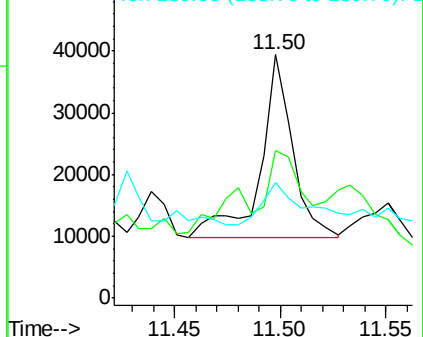
139 47.6 11.7 17.5#

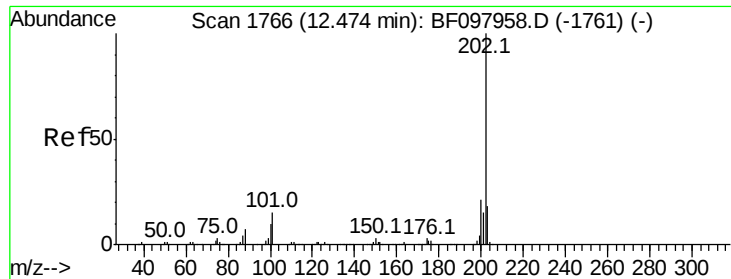


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 131.600 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.02 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

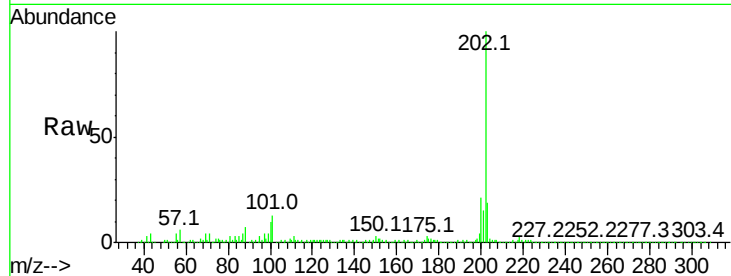
Tot Ion:202 Resp: 1619575

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

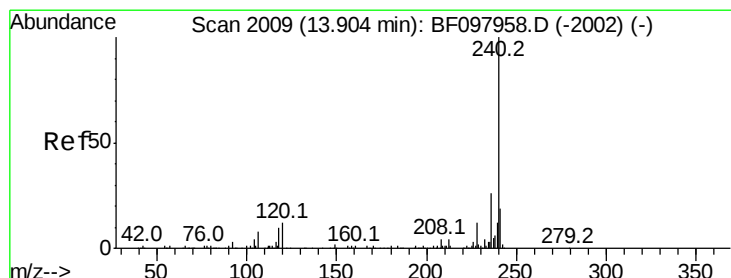
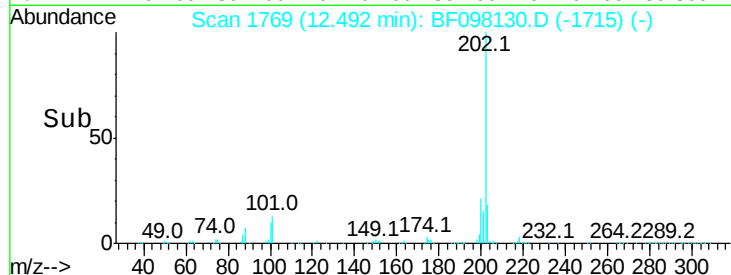
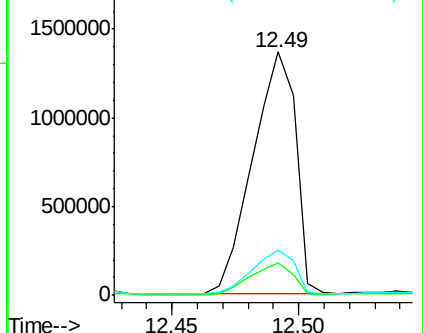
203 18.5 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

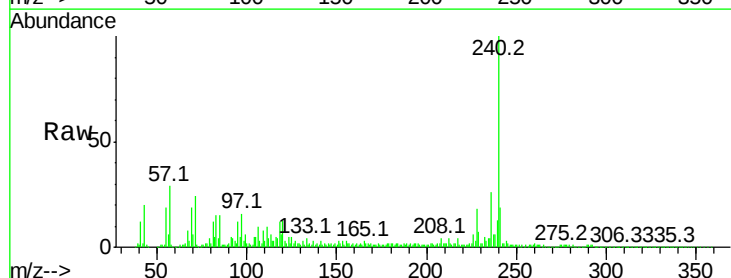
Tgt Ion:240 Resp: 238922

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

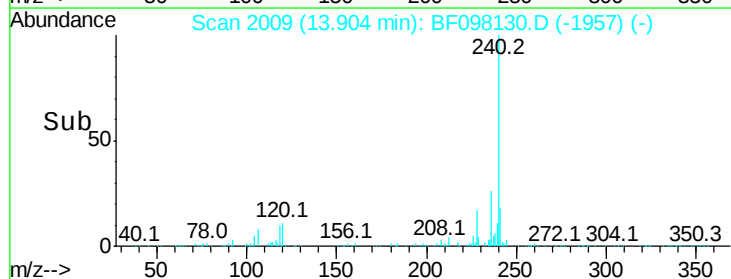
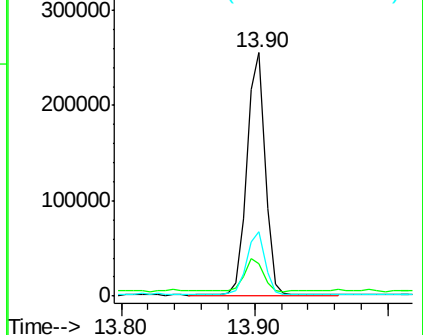
236 26.5 20.5 30.7

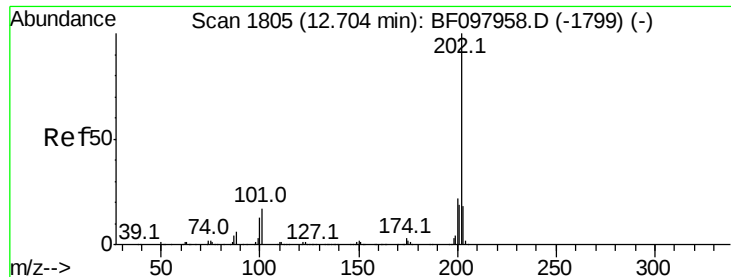


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 70.930 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.02 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

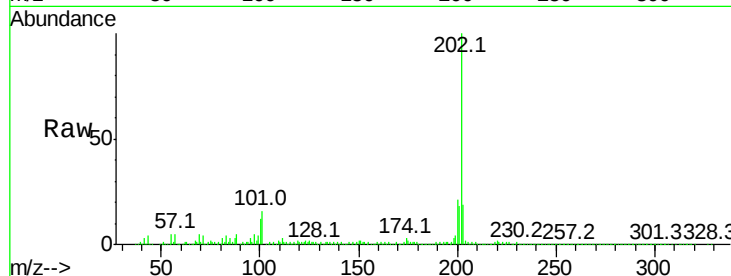
Tot Ion:202 Resp: 1386043

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

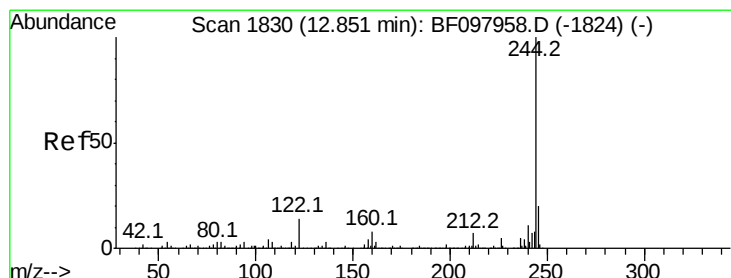
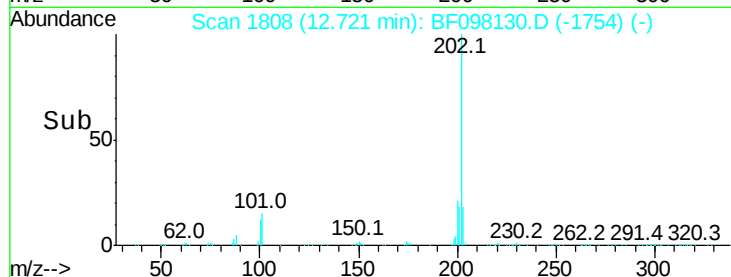
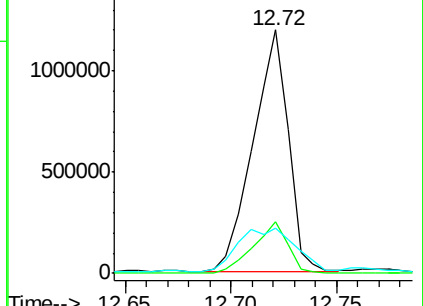
203 18.7 14.4 21.6



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



#78

Terphenyl-d14

Concen: 9.117 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

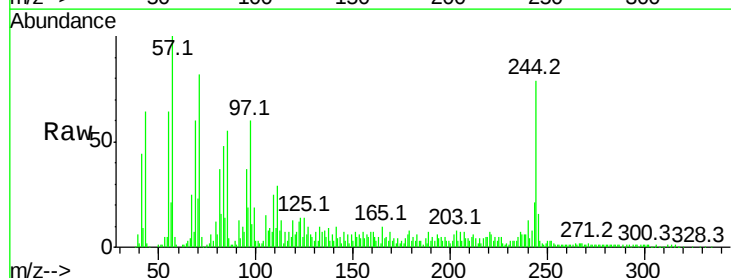
Tgt Ion:244 Resp: 104451

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

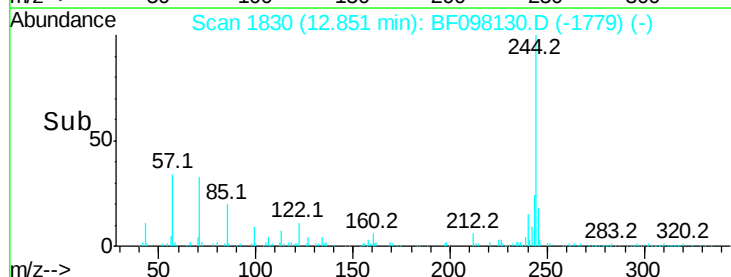
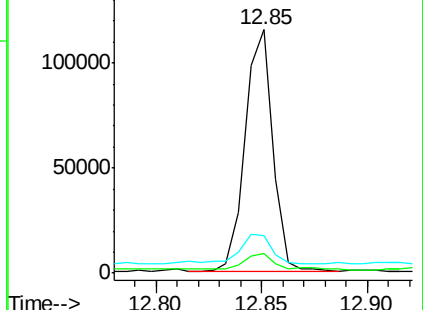
122 15.3 10.3 15.5

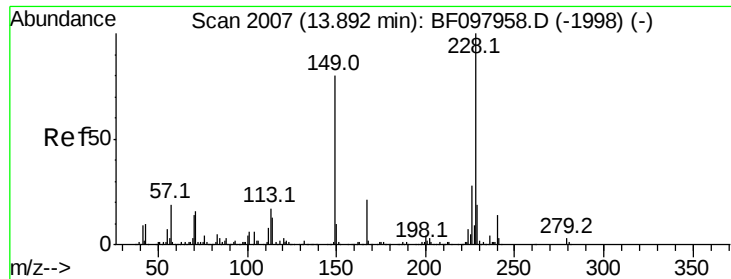


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.004 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

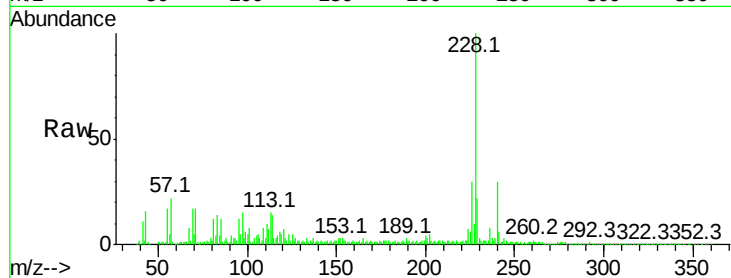
Tot Ion:228 Resp: 286450

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

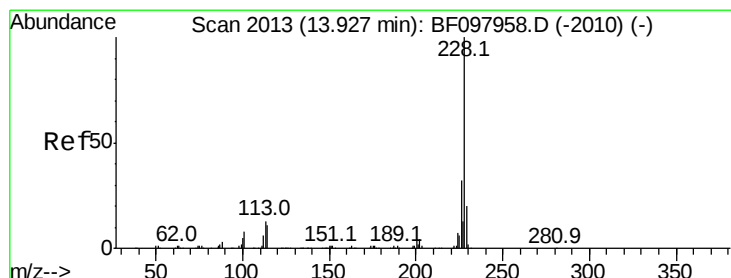
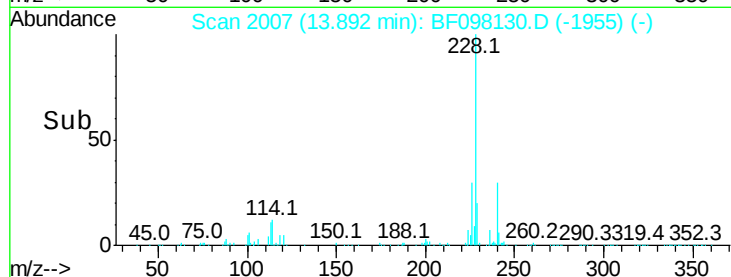
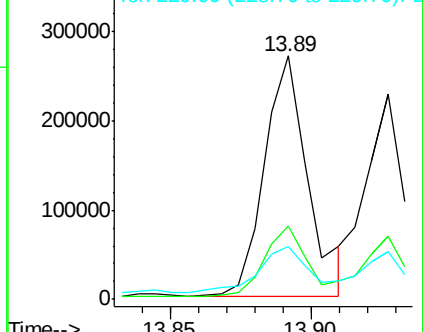
229 21.9 16.3 24.5



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

Chrysene

Concen: 14.451 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.00 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

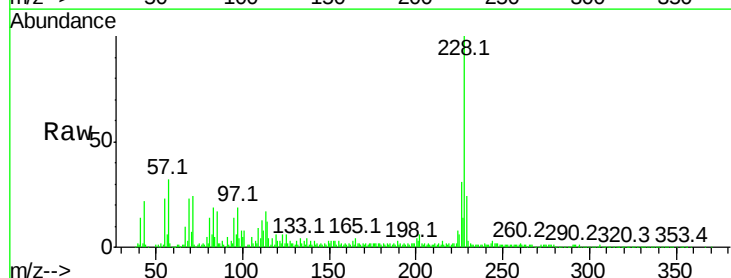
Tgt Ion:228 Resp: 205853

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

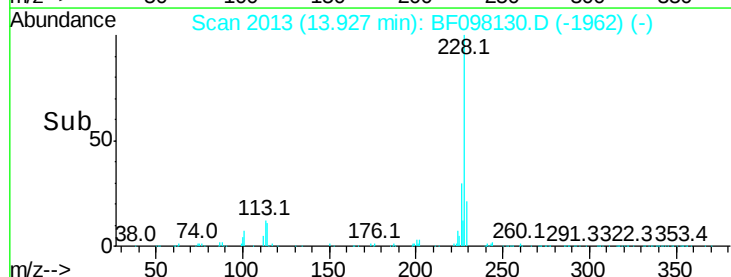
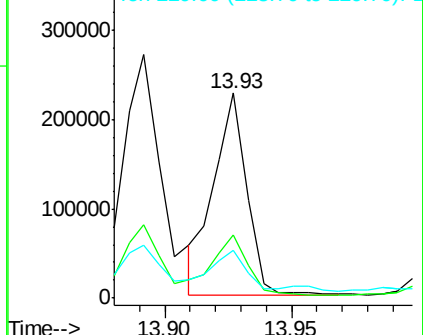
229 23.6 15.8 23.6

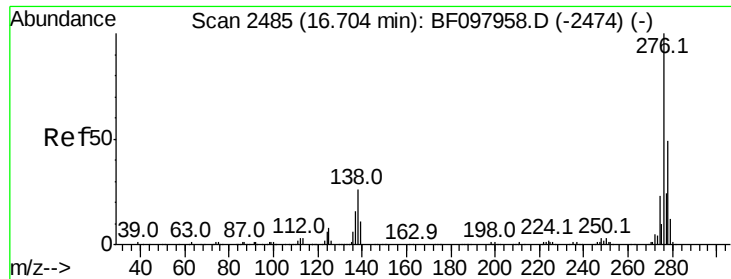


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

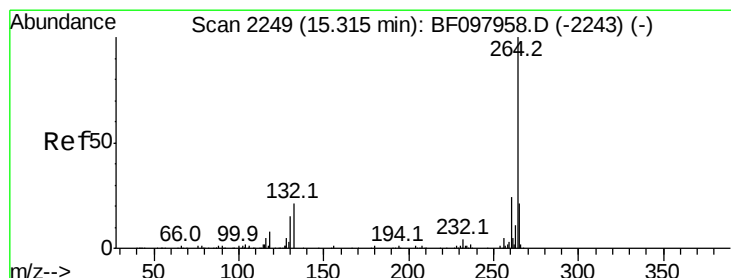
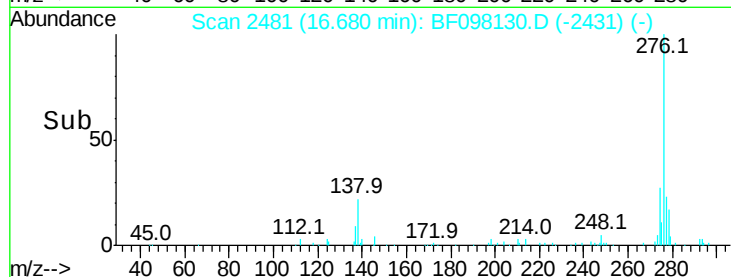
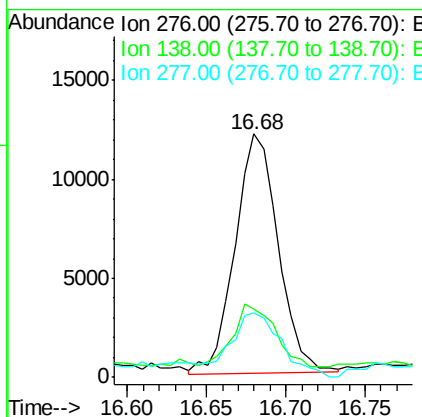
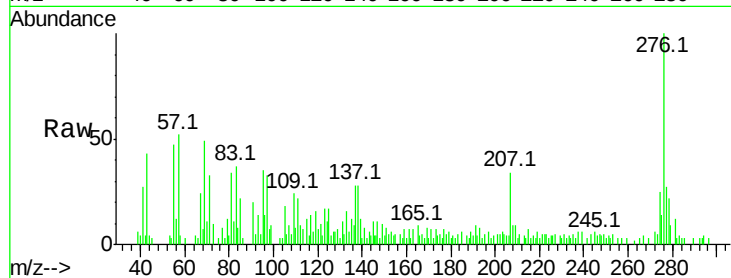




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.191 ng
 RT: 16.68 min Scan# 2481
 Delta R.T. -0.01 min
 Lab File: BF098130.D
 Acq: 30 Aug 2017 00:18

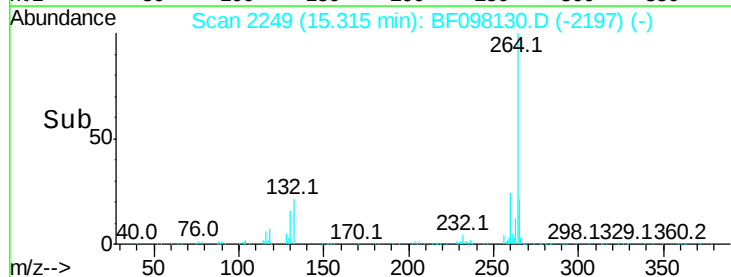
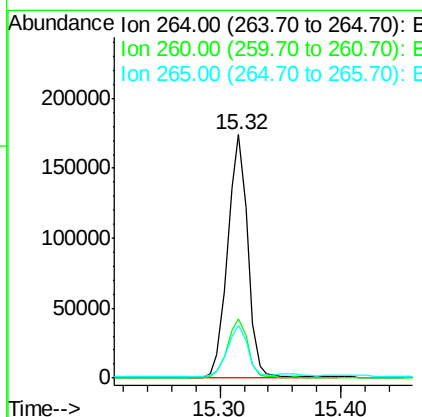
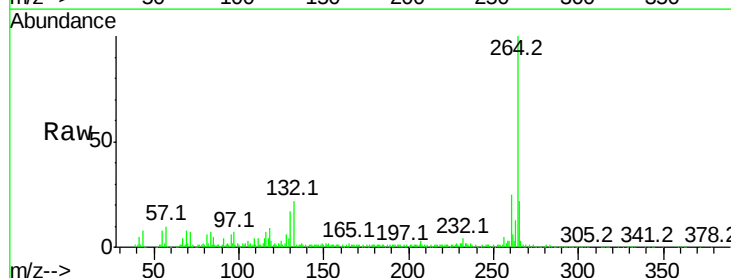
Instrument :
 BNA_F
 ClientSampleId :

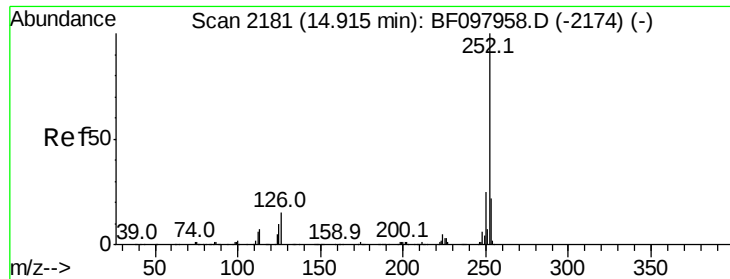
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	27.8	41.6#
277	31.9	20.2	30.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF098130.D
 Acq: 30 Aug 2017 00:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.152 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

Instrument :

BNA_F

ClientSampled :

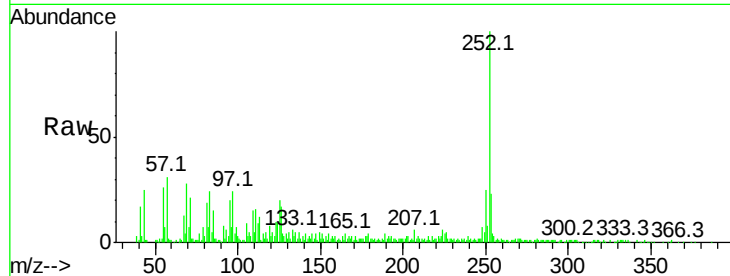
Tot Ion:252 Resp: 152652

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

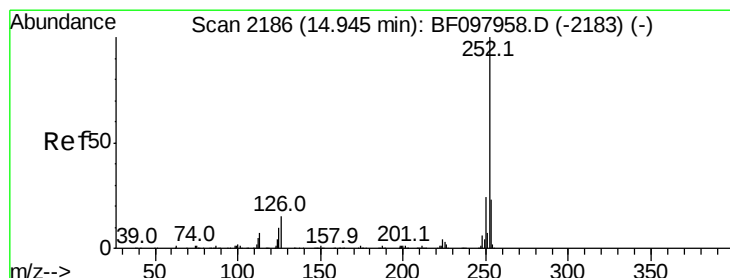
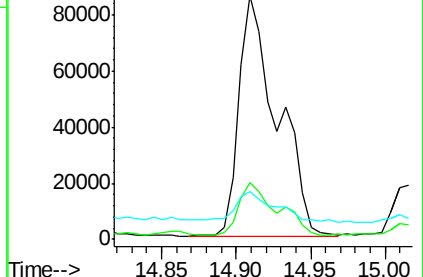
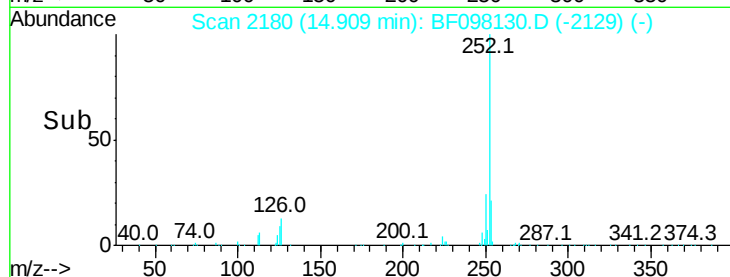
125 19.8 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 12.934 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.03 min

Lab File: BF098130.D

Acq: 30 Aug 2017 00:18

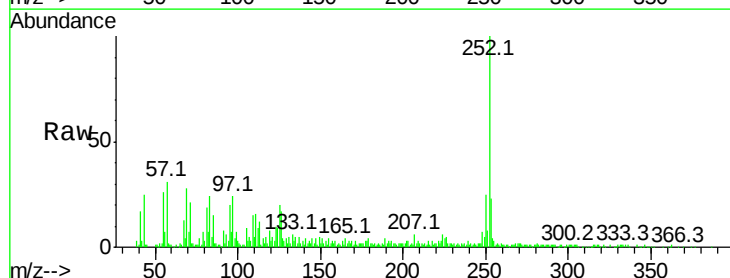
Tgt Ion:252 Resp: 152652

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

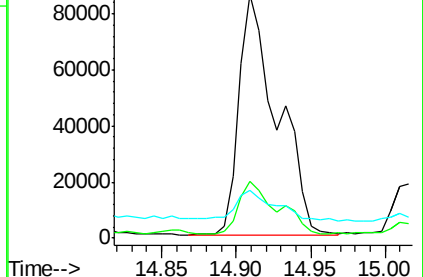
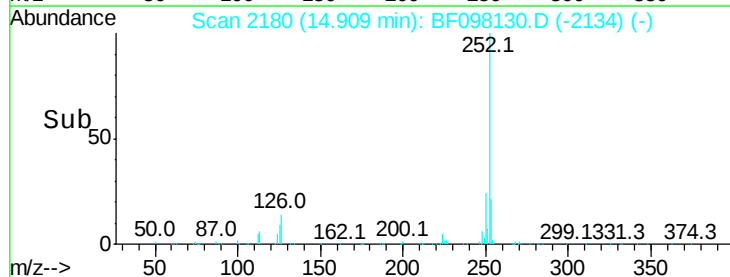
125 19.8 13.1 19.7#

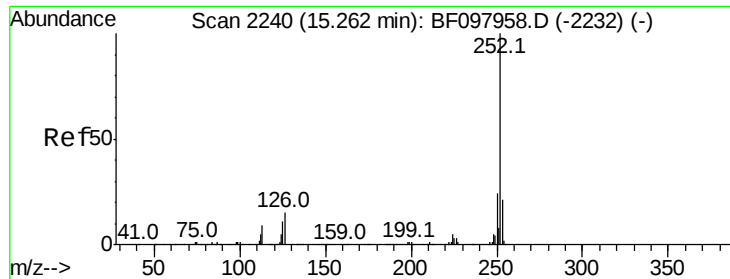


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

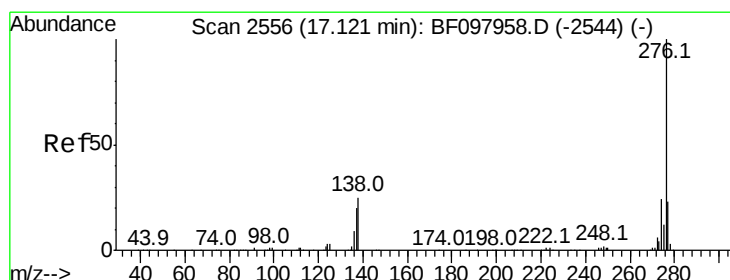
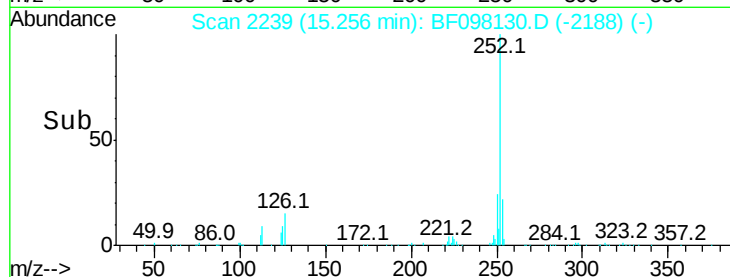
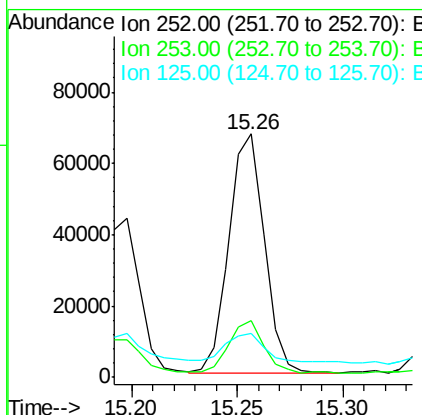
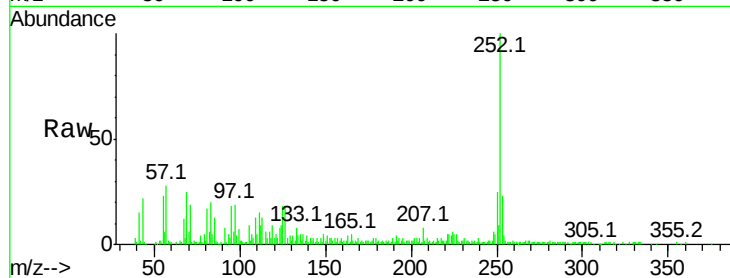




#89
Benzo(a)pyrene
Concen: 7.046 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	18.1	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 2.352 ng
RT: 17.10 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BF098130.D
Acq: 30 Aug 2017 00:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	25.6	25.4	38.0

