

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098444.D
 Acq On : 12 Sep 2017 11:08
 Operator : SJ/JU
 Sample : I5136-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 11:41:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	271344	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1101916	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	449888	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	667987	20.00	ng	0.00
75) Chrysene-d12	13.82	240	463292	20.00	ng	0.00
86) Perylene-d12	15.22	264	452869	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1942055	105.82	ng	0.01
7) Phenol-d6	6.33	99	2440332	104.73	ng	0.00
23) Nitrobenzene-d5	7.24	82	1457962	73.76	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	333753	111.15	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	2172258	81.84	ng	0.00
78) Terphenyl-d14	12.77	244	1309706	61.02	ng	0.00

Target Compounds

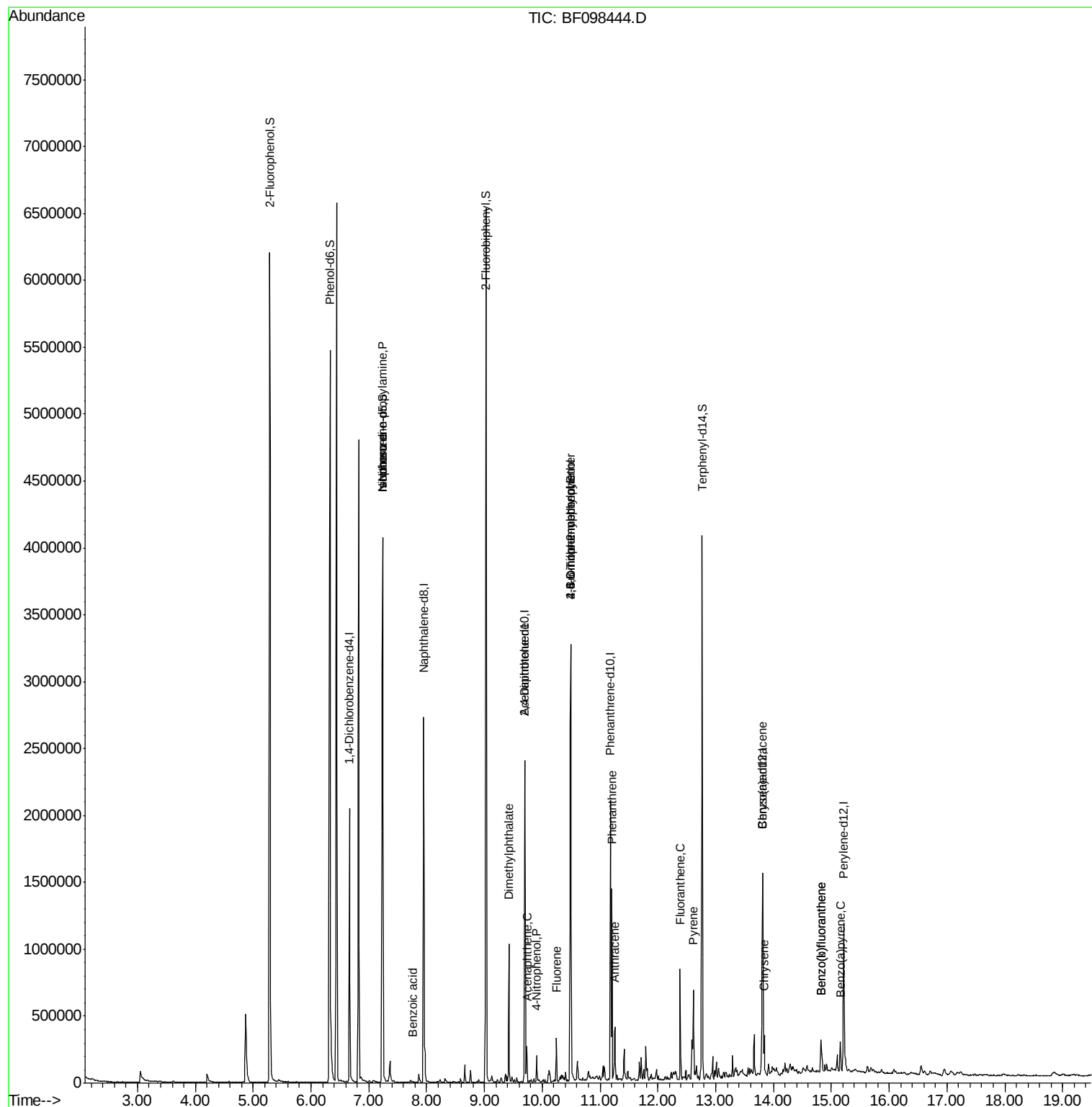
						Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	195647	13.348	ng	# 79
25) Isophorone	7.24	82	1432113	35.811	ng	# 67
32) Benzoic acid	7.77	122	1470	8.075	ng	# 26
49) Dimethylphthalate	9.42	163	352813	10.131	ng	99
51) Acenaphthene	9.73	154	55535	2.043	ng	97
55) 4-Nitrophenol	9.90	139	23445	4.726	ng	# 28
56) 2,4-Dinitrotoluene	9.70	165	59915	6.889	ng	# 33
57) Fluorene	10.25	166	75858	2.559	ng	95
64) 4,6-Dinitro-2-methylphenol	10.49	198	1149	5.216	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	24408	3.850	ng	# 1
70) Phenanthrene	11.20	178	452426	12.776	ng	99
71) Anthracene	11.26	178	139913	3.848	ng	97
74) Fluoranthene	12.39	202	305432	8.616	ng	97
77) Pyrene	12.62	202	247495	6.772	ng	99
80) Benzo(a)anthracene	13.80	228	116221	4.279	ng	98
82) Chrysene	13.84	228	92360	3.364	ng	96
87) Benzo(b)fluoranthene	14.82	252	156280	5.488	ng	# 95
88) Benzo(k)fluoranthene	14.82	252	156280	5.879	ng	100
89) Benzo(a)pyrene	15.16	252	84210	3.319	ng	99

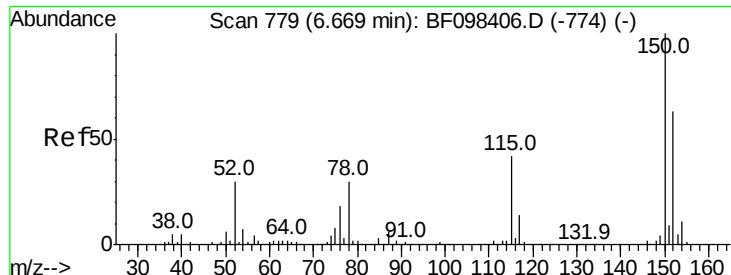
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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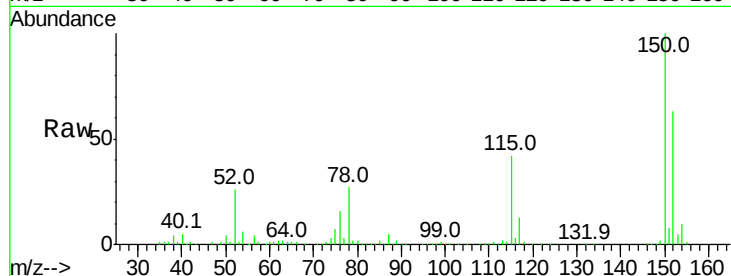


#1

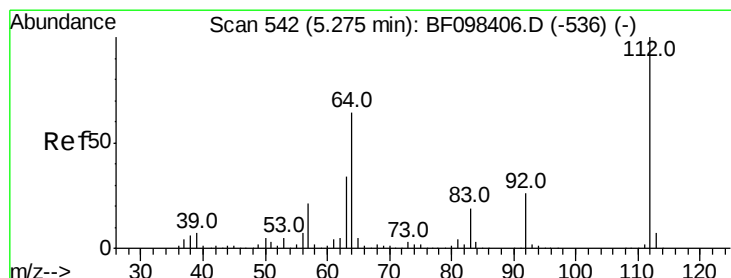
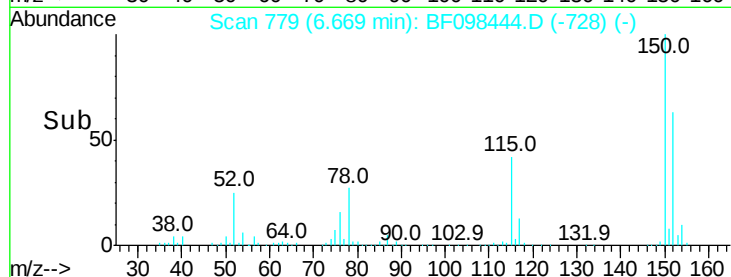
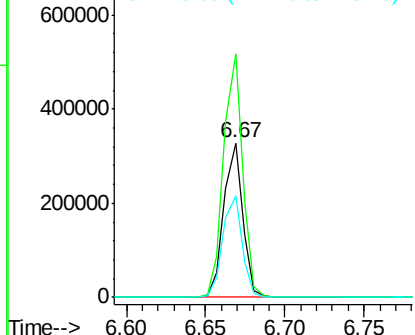
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 271344
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.2
115 65.8 52.2 78.2



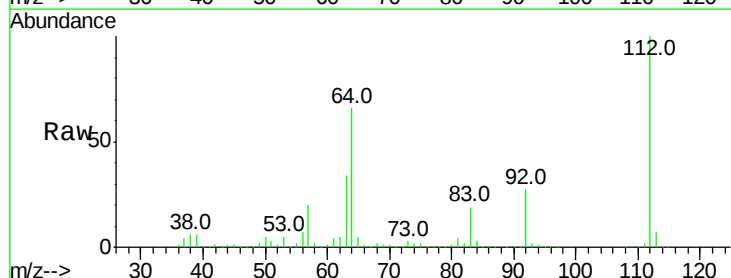
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



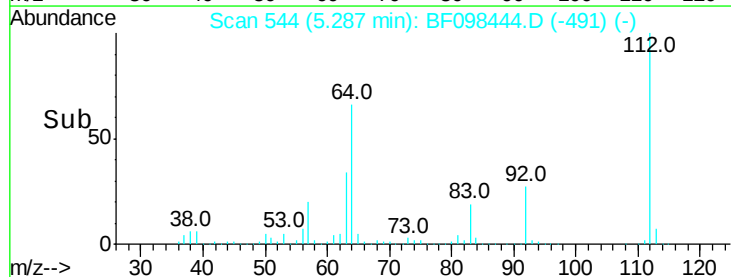
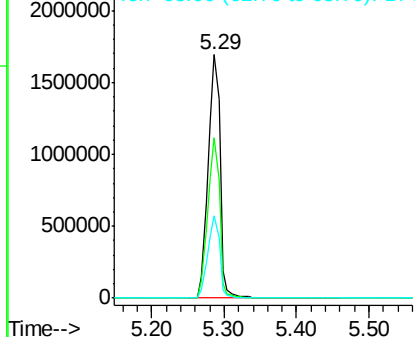
#5

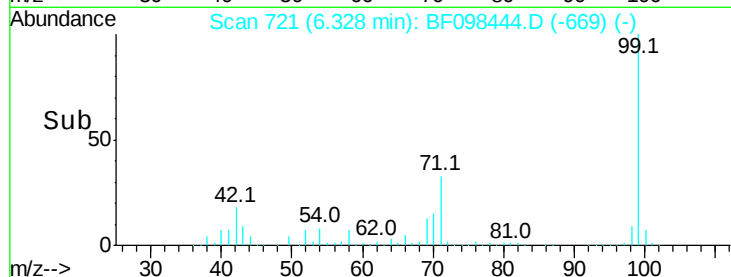
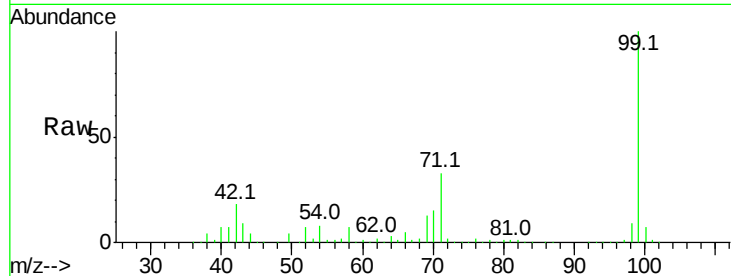
2-Fluorophenol
Concen: 105.820 ng
RT: 5.29 min Scan# 544
Delta R.T. 0.01 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

Tgt Ion:112 Resp: 1942055
Ion Ratio Lower Upper
112 100
64 65.8 46.0 69.0
63 33.9 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: 104.729 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA_F

ClientSampled :

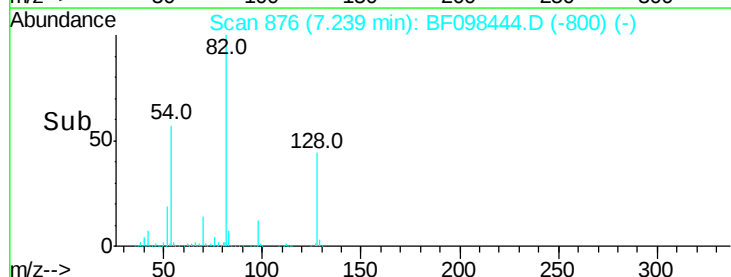
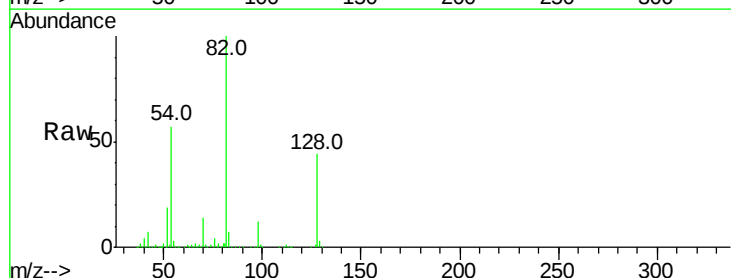
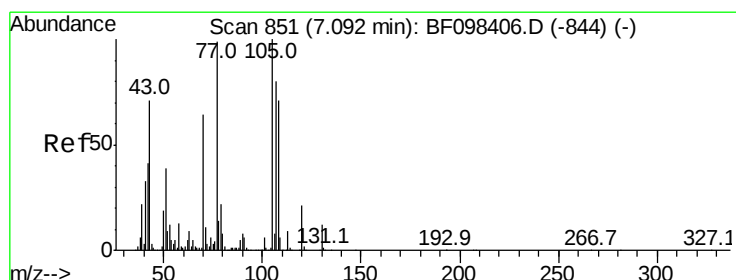
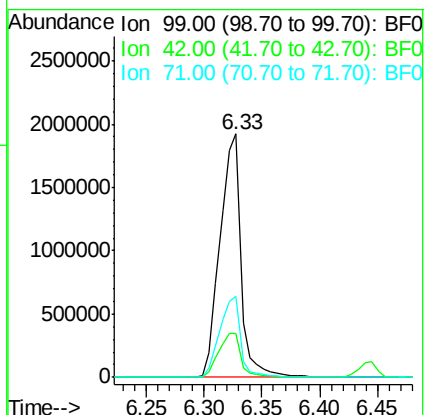
Tot Ion: 99 Resp: 2440332

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

71 33.4 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.348 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.15 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Tgt Ion: 70 Resp: 195647

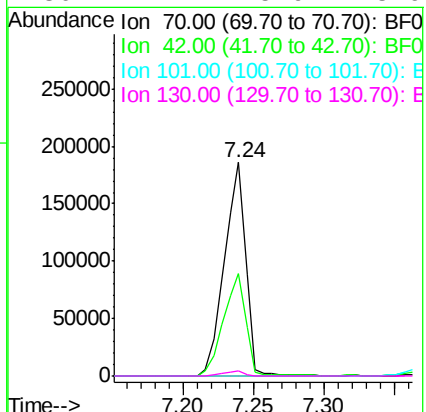
Ion Ratio Lower Upper

70 100

42 47.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

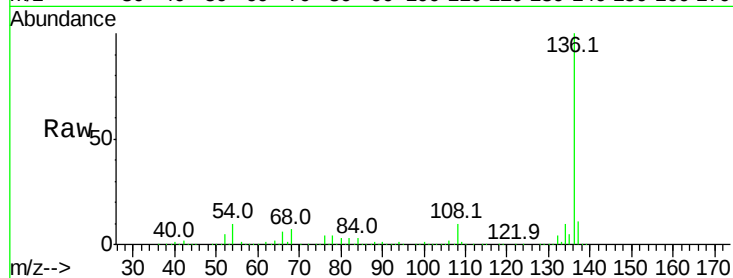




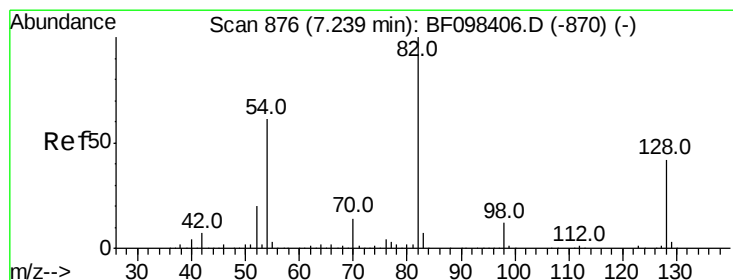
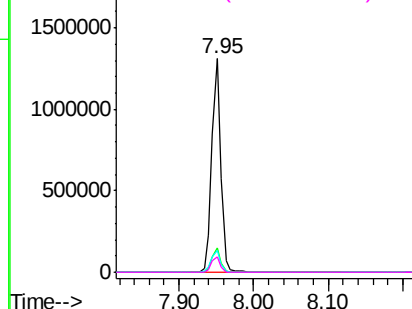
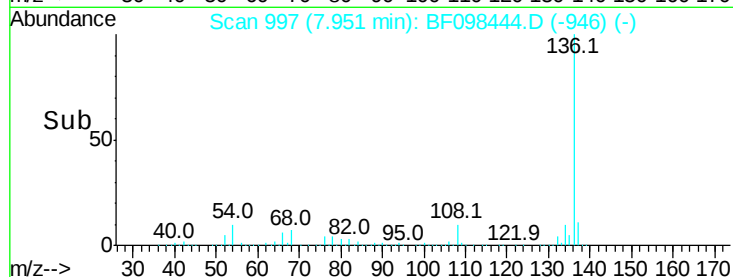
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1101916
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 10.0 4.9 7.3#
68 7.3 4.1 6.1#

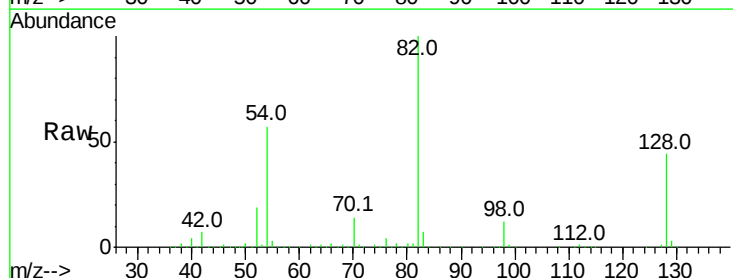


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

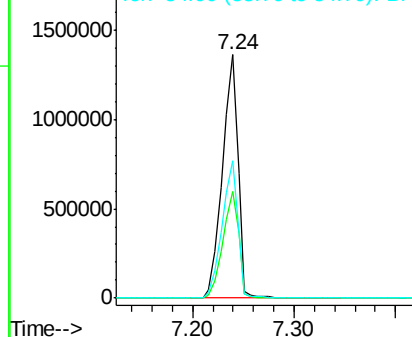
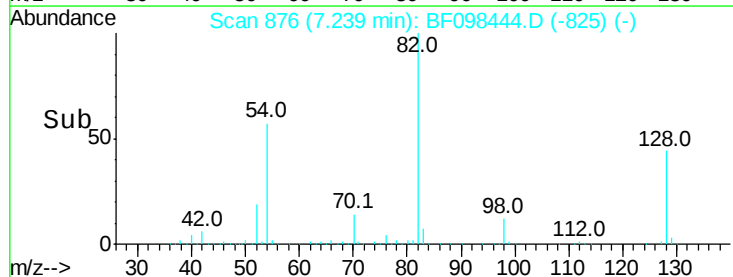


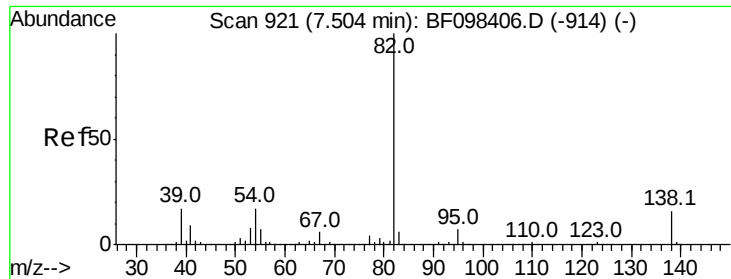
#23
Nitrobenzene-d5
Concen: 73.763 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

Tgt Ion: 82 Resp: 1457962
Ion Ratio Lower Upper
82 100
128 43.9 34.0 51.0
54 56.7 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





#25

Isophorone

Concen: 35.811 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.26 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA_F

ClientSampleId :

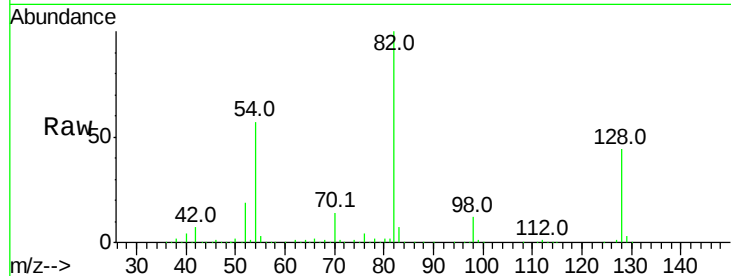
Tot Ion: 82 Resp: 1432113

Ion Ratio Lower Upper

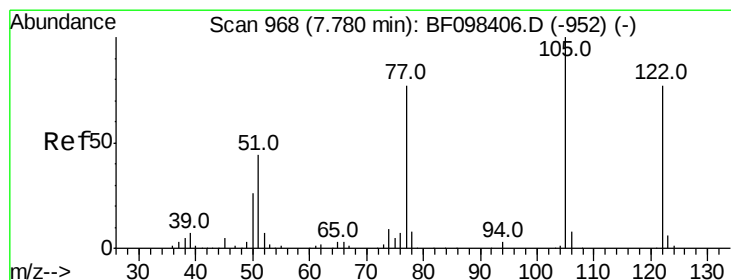
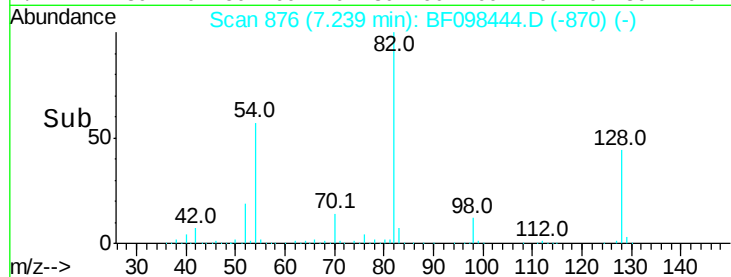
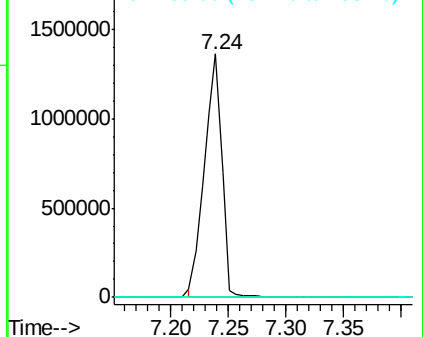
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 8.075 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

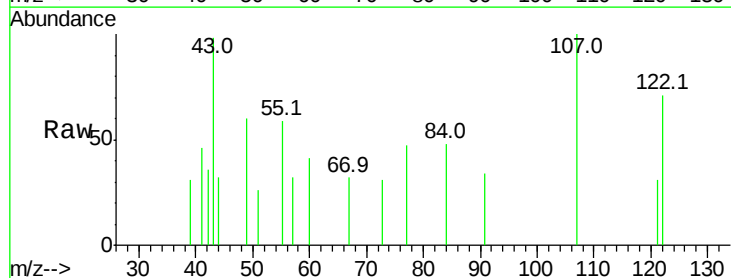
Tgt Ion:122 Resp: 1470

Ion Ratio Lower Upper

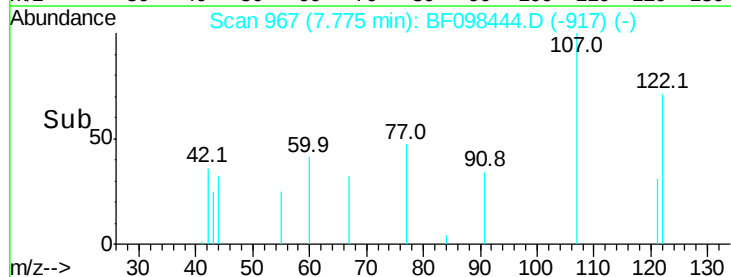
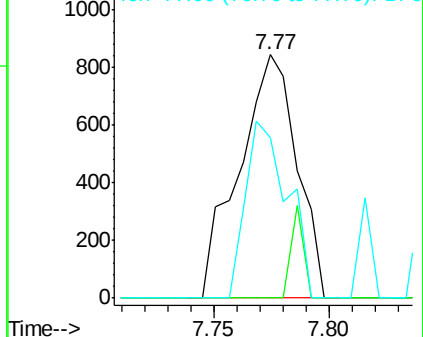
122 100

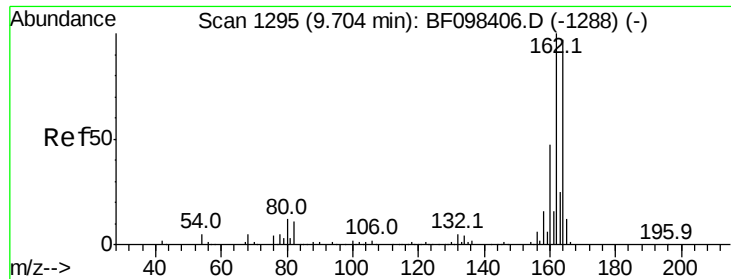
105 0.0 103.3 143.3#

77 66.1 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

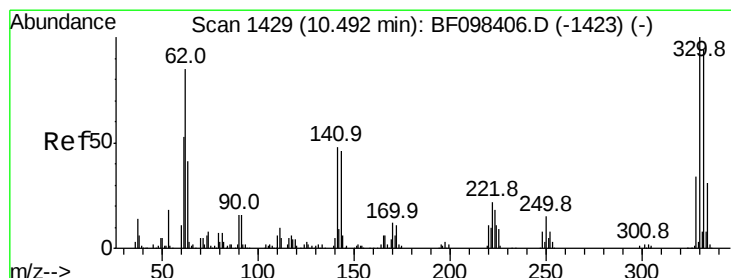
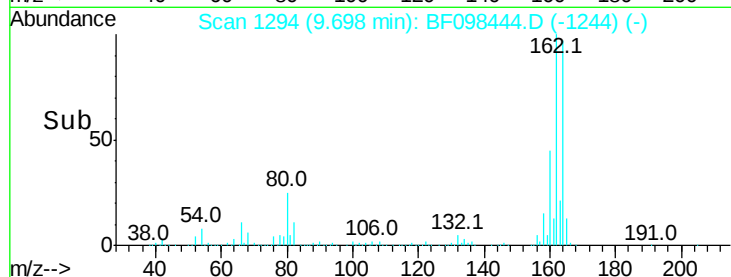
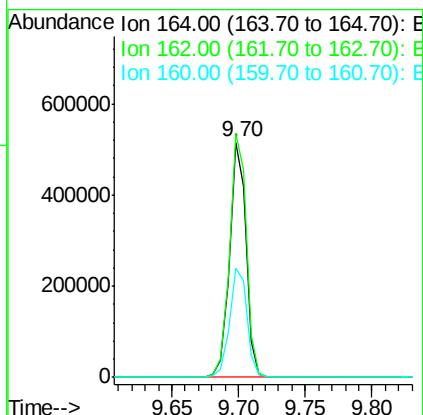
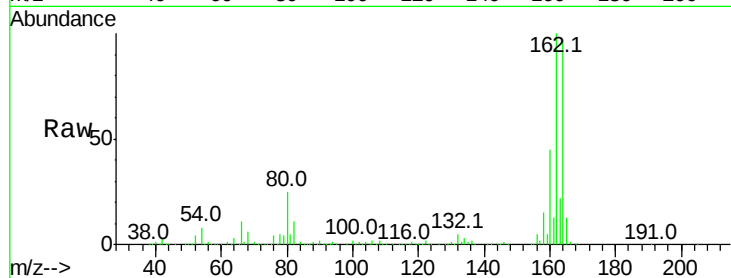




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

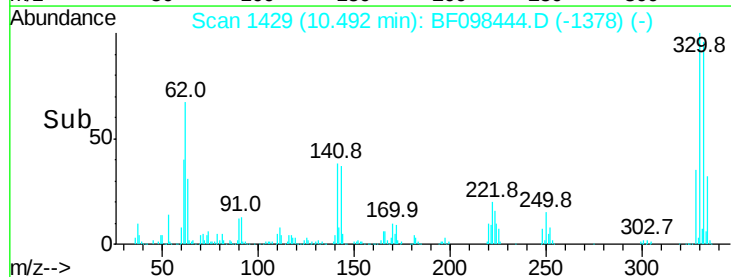
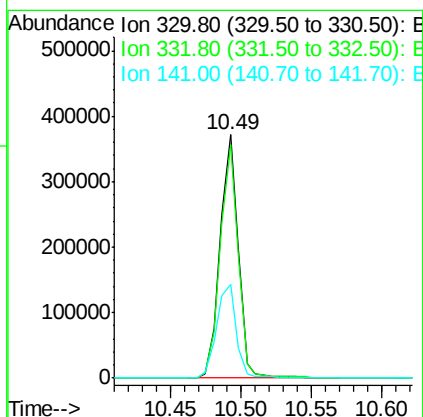
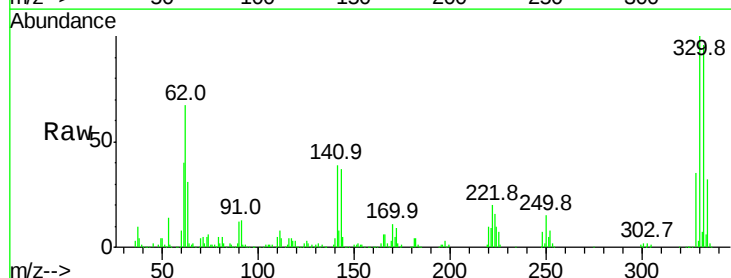
Instrument :
BNA_F
ClientSampleId :

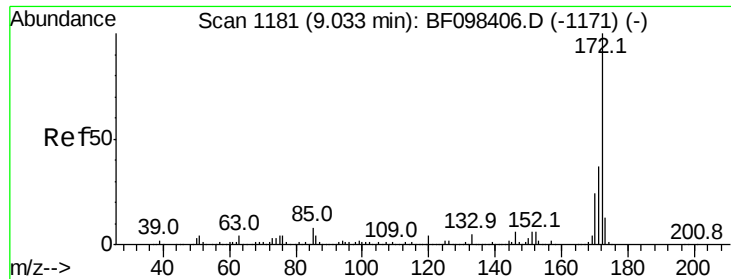
Tot Ion:164 Resp: 449888
Ion Ratio Lower Upper
164 100
162 103.5 82.6 123.8
160 46.4 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 111.153 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

Tgt Ion:330 Resp: 333753
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 42.8 31.4 47.2



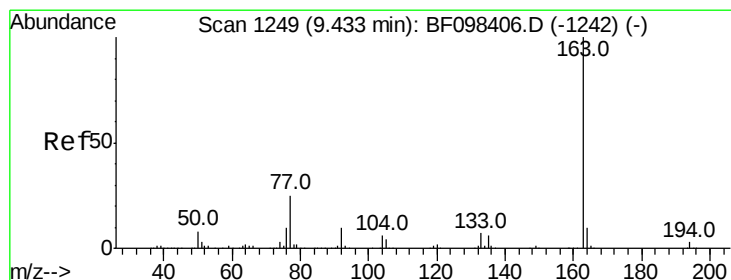
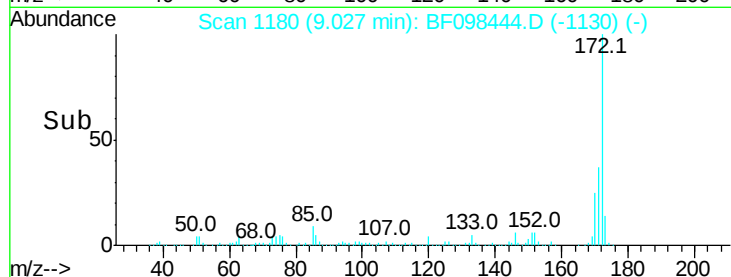
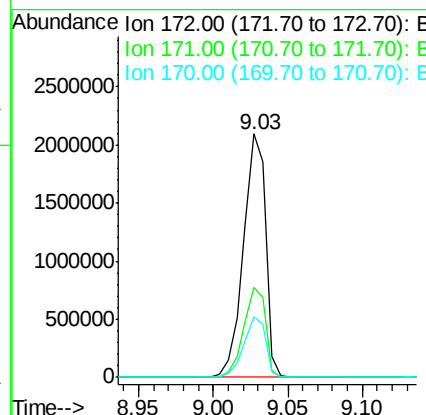
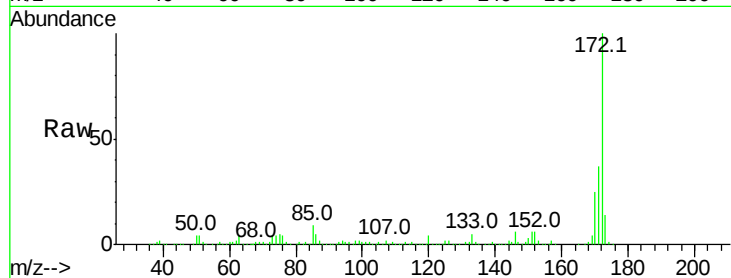


#44
 2-Fluorobiphenyl
 Concen: 81.838 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 2172258

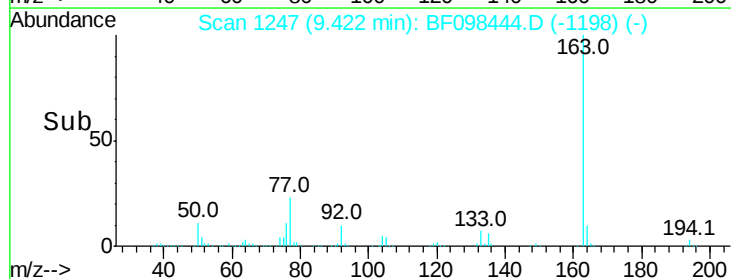
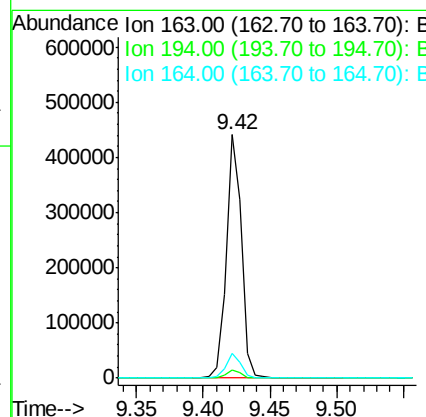
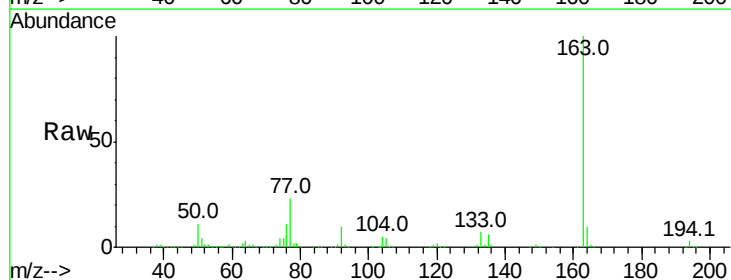
Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.8	19.8	29.8

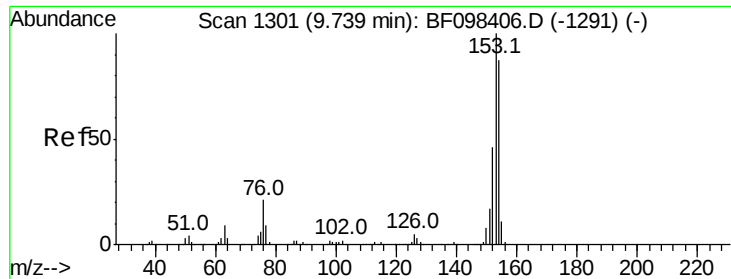


#49
 Dimethylphthalate
 Concen: 10.131 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

Tgt Ion:163 Resp: 352813

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.0	8.4	12.6





#51

Acenaphthene

Concen: 2.043 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA_F

ClientSampleId :

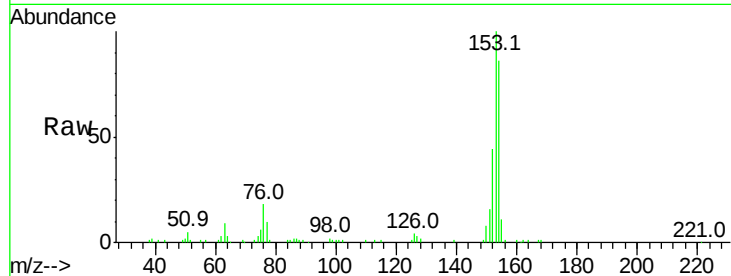
Tot Ion:154 Resp: 55535

Ion Ratio Lower Upper

154 100

153 116.1 90.5 135.7

152 51.3 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

100000

80000

60000

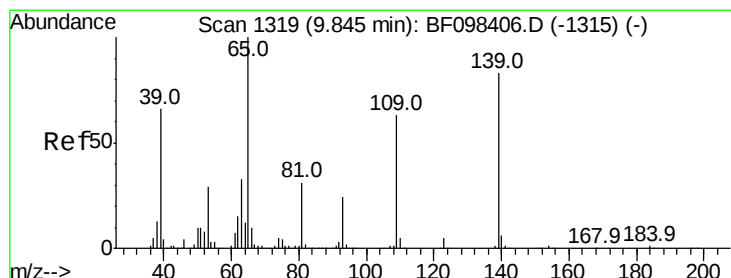
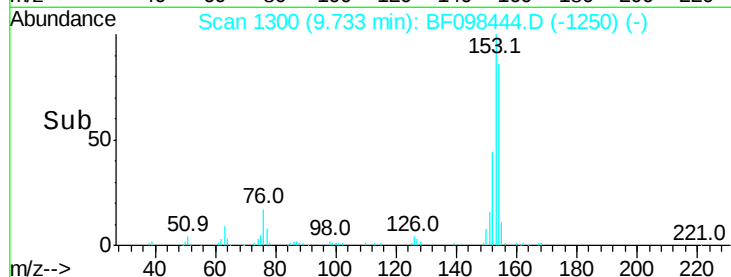
40000

20000

0

9.70 9.72 9.74 9.76 9.78

Time-->



#55

4-Nitrophenol

Concen: 4.726 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.06 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

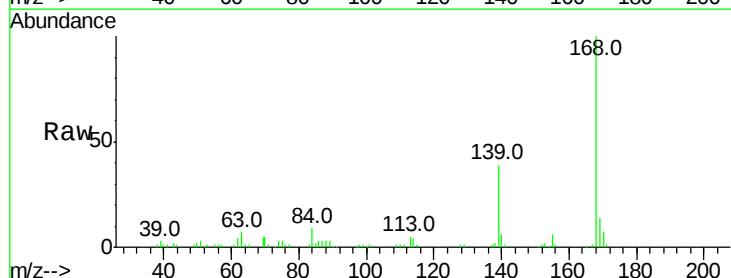
Tgt Ion:139 Resp: 23445

Ion Ratio Lower Upper

139 100

109 1.3 34.1 74.1#

65 2.1 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

40000

30000

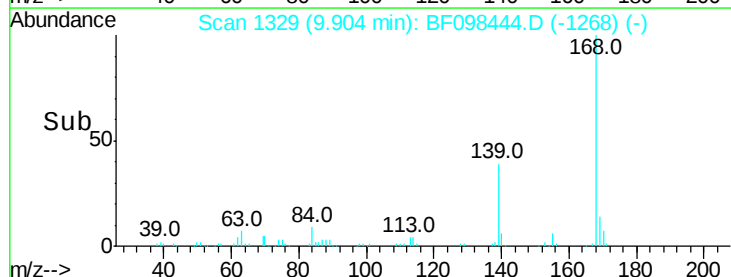
20000

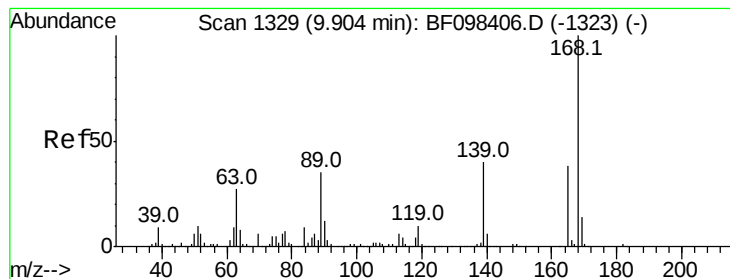
10000

0

9.85 9.90 9.95

Time-->





#56

2,4-Dinitrotoluene

Concen: 6.889 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.21 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 59915

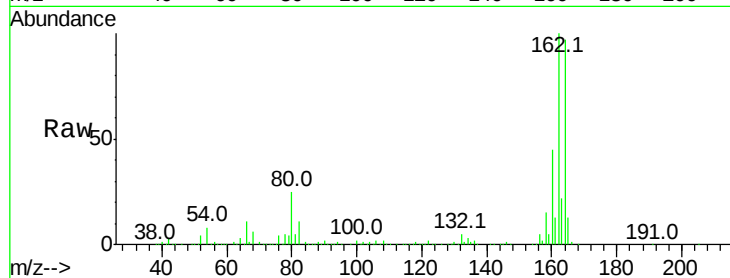
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

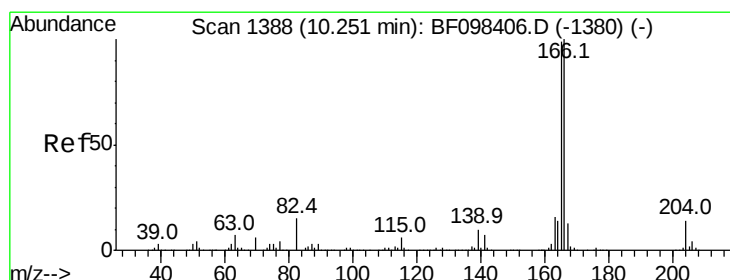
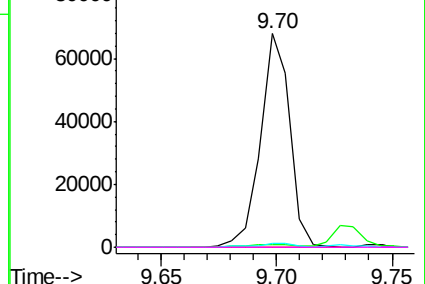
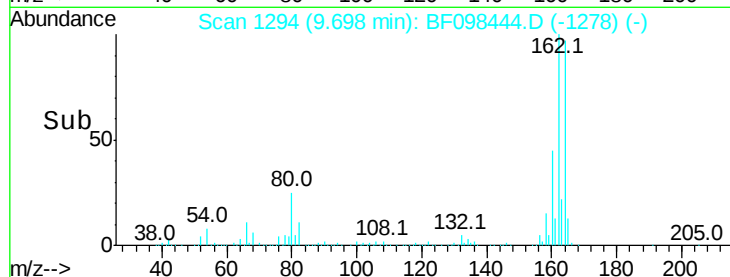


Abundance Ion 165.00 (164.70 to 165.70): E

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: 2.559 ng

RT: 10.25 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

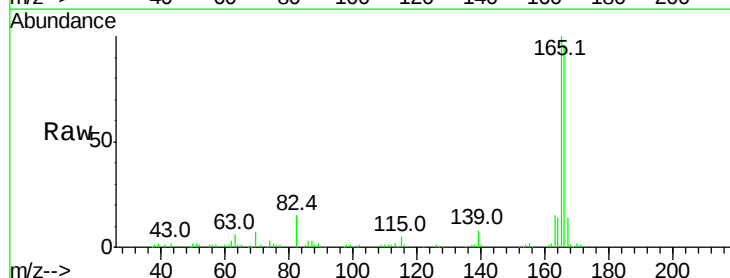
Tgt Ion:166 Resp: 75858

Ion Ratio Lower Upper

166 100

165 103.7 78.8 118.2

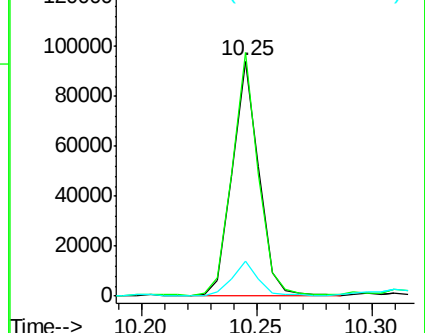
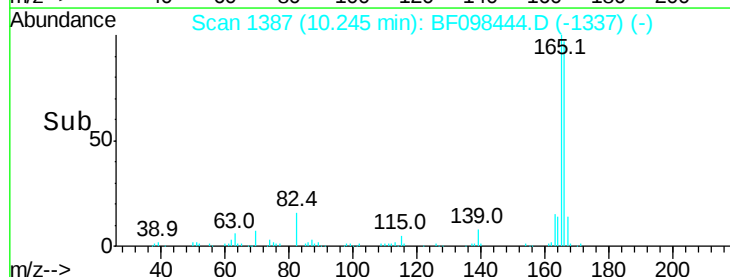
167 15.0 10.6 16.0

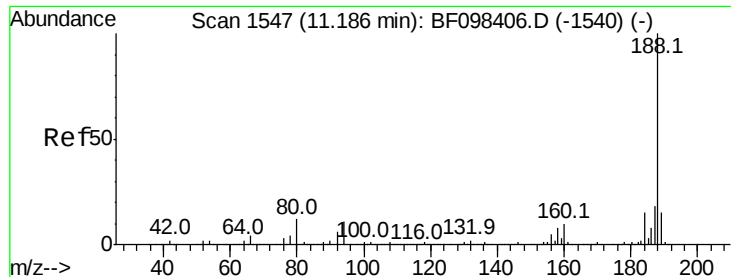


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

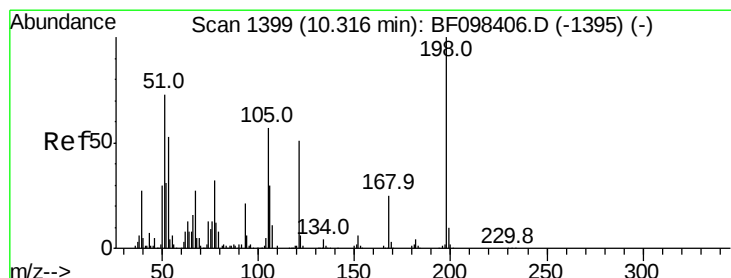
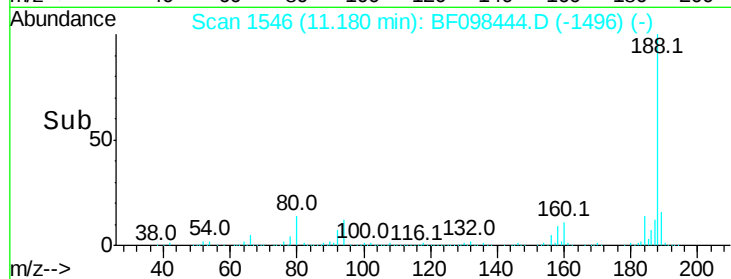
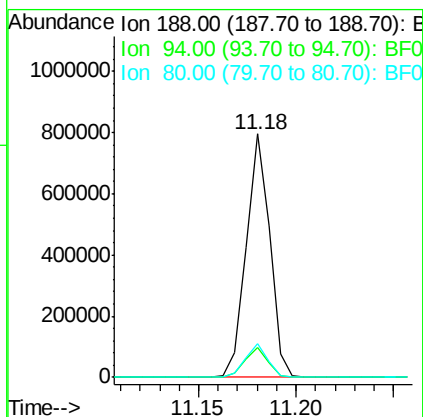
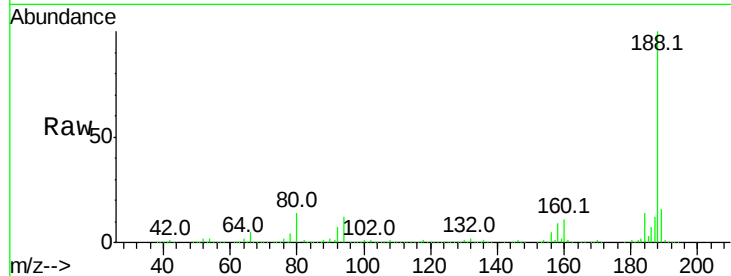




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

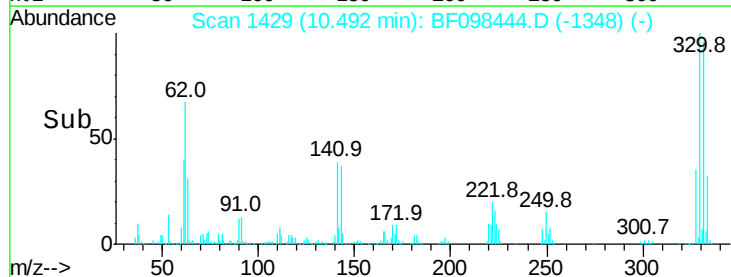
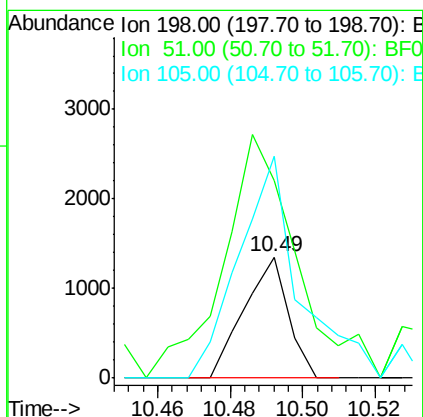
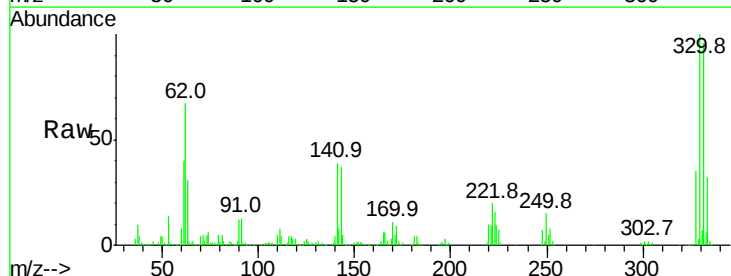
Instrument :
 BNA_F
 ClientSampleId :

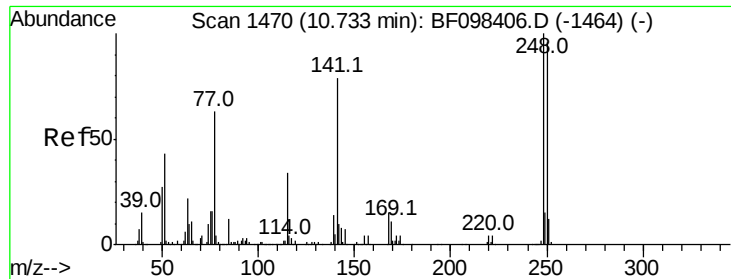
Tot Ion:188 Resp: 667987
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.4 14.2
 80 13.6 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.216 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.18 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

Tgt Ion:198 Resp: 1149
 Ion Ratio Lower Upper
 198 100
 51 163.0 53.2 93.2#
 105 183.7 45.8 85.8#

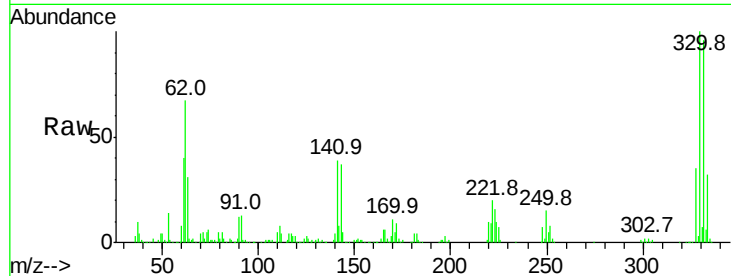




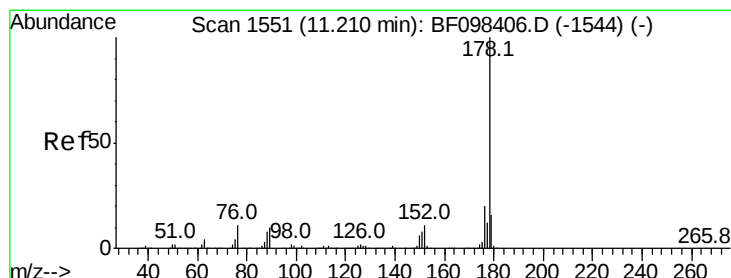
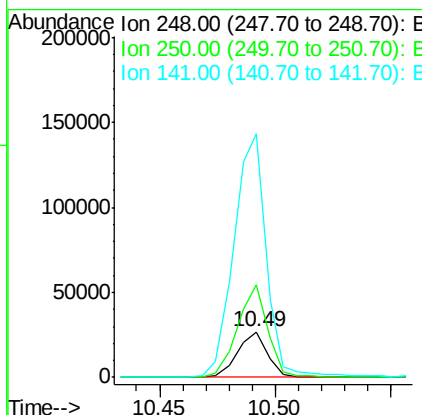
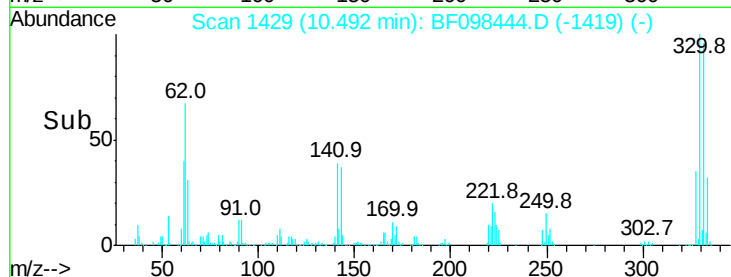
#66
 4-Bromophenyl-phenylether
 Concen: 3.850 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.24 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 24408
 Ion Ratio Lower Upper
 248 100
 250 205.7 76.8 115.2#
 141 537.7 68.6 103.0#

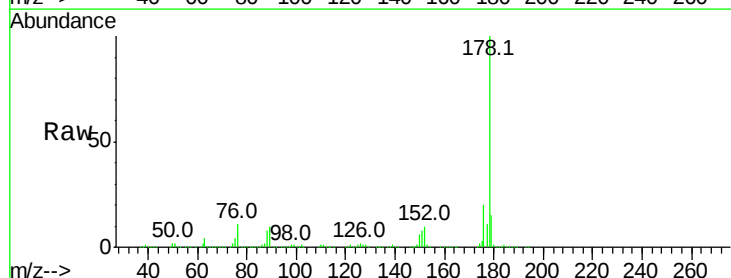


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

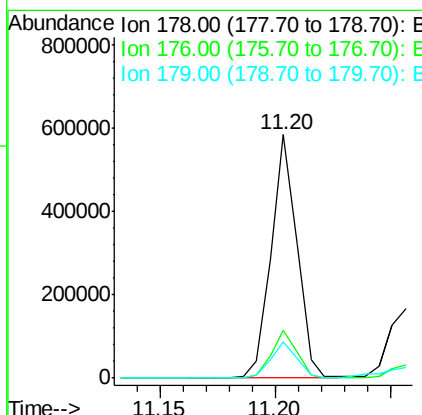
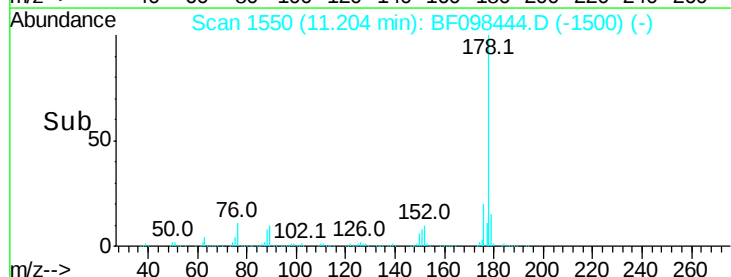


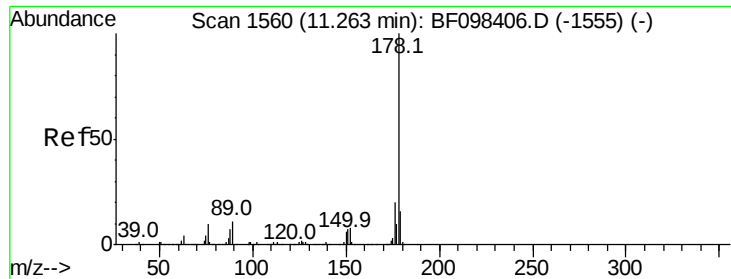
#70
 Phenanthrene
 Concen: 12.776 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

Tgt Ion:178 Resp: 452426
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 15.1 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

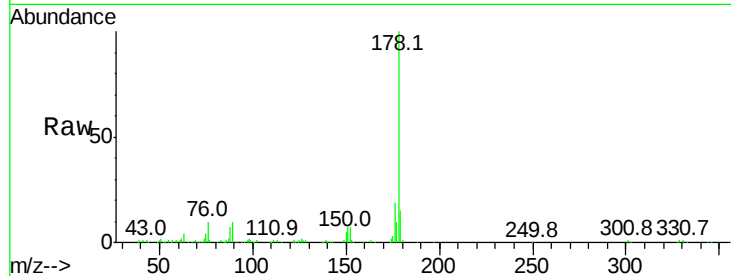




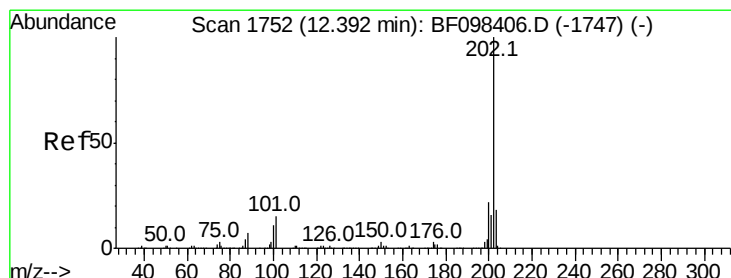
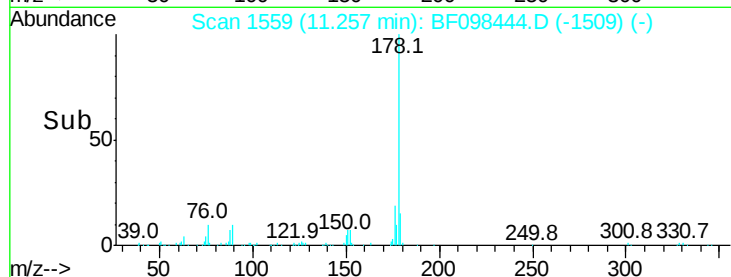
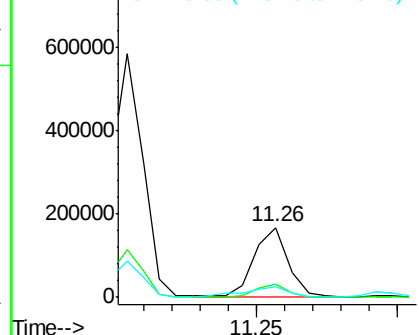
#71
 Anthracene
 Concen: 3.848 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	14.9	12.7	19.1

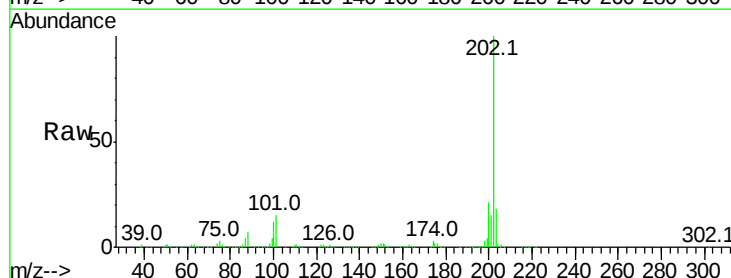


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

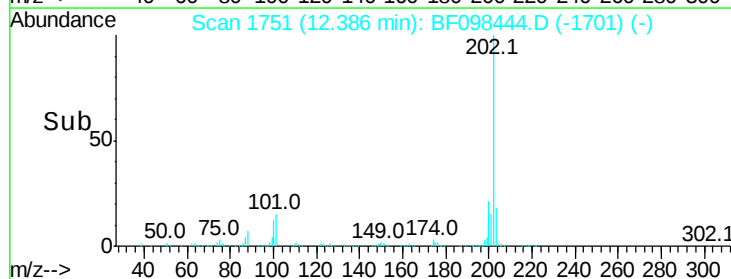
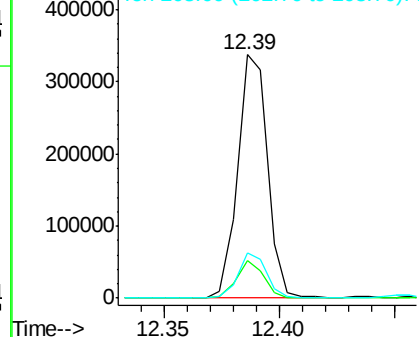


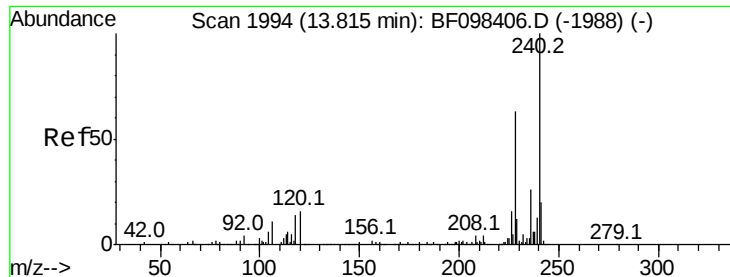
#74
 Fluoranthene
 Concen: 8.616 ng
 RT: 12.39 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	33.2
203	18.4	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: 13.82 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA_F

ClientSampleId :

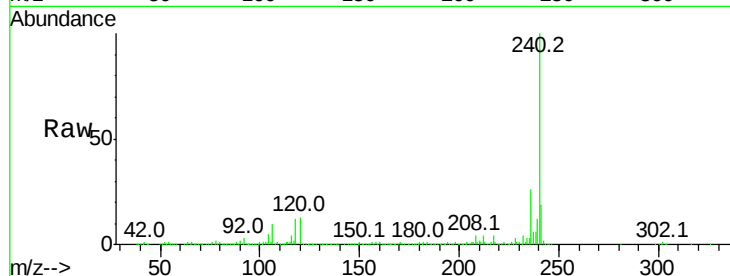
Tot Ion:240 Resp: 463292

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

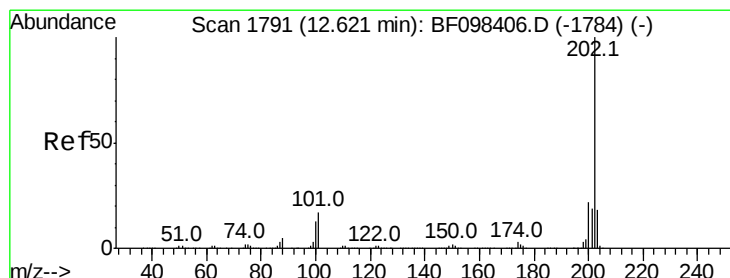
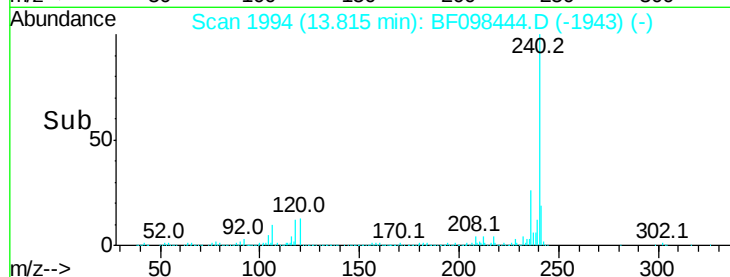
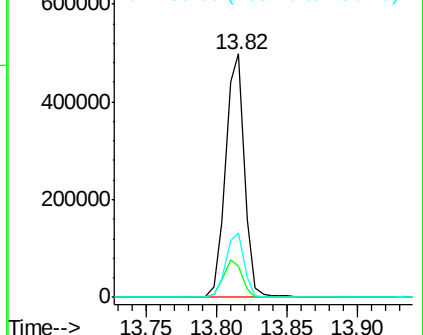
236 26.4 20.5 30.7



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

Pyrene

Concen: 6.772 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

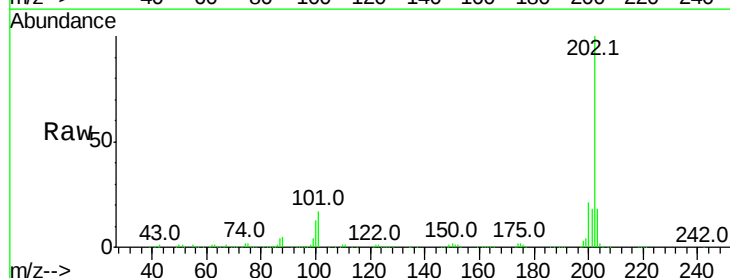
Tgt Ion:202 Resp: 247495

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

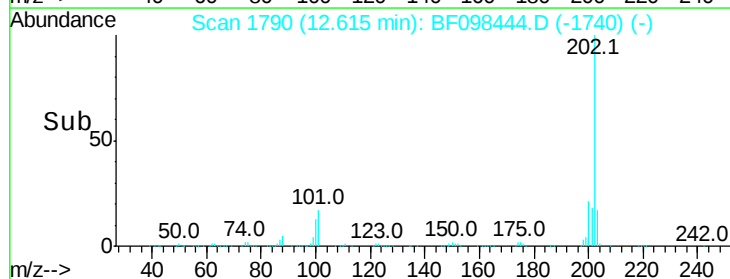
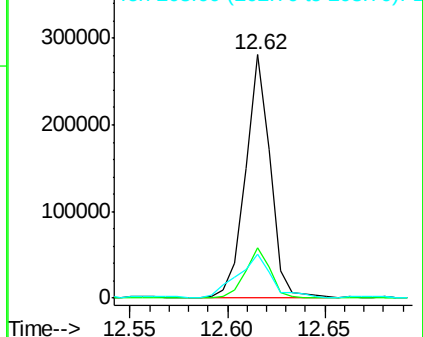
203 17.9 14.4 21.6

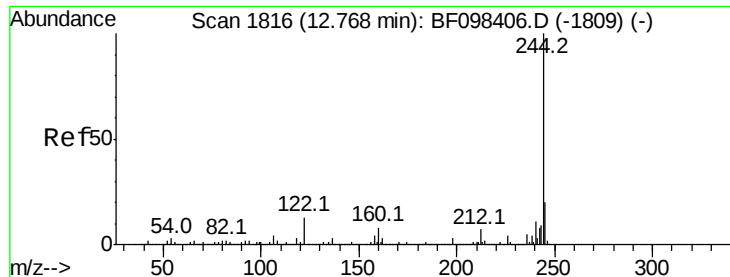


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



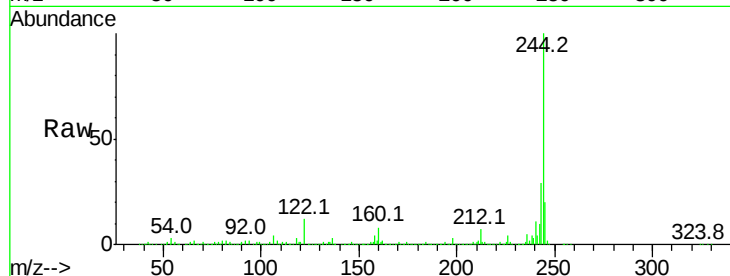


#78
 Terphenyl-d14
 Concen: 61.019 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

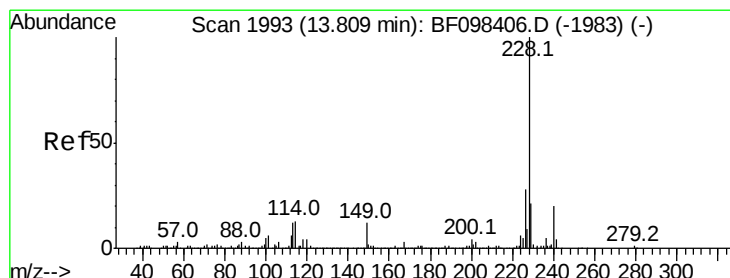
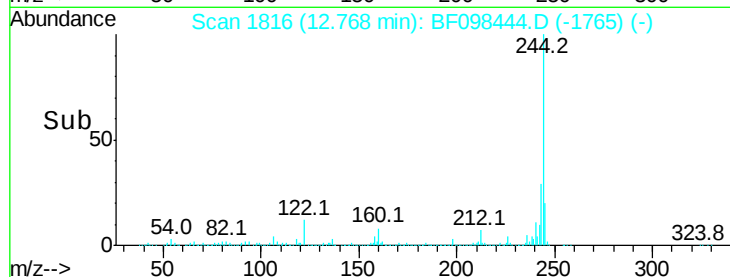
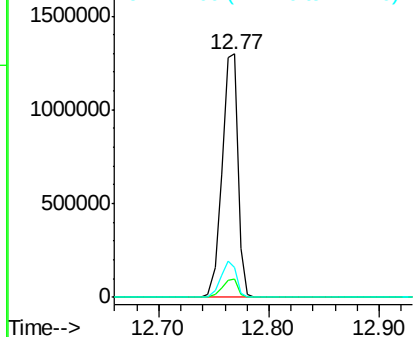
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1309706

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.4	10.3	15.5



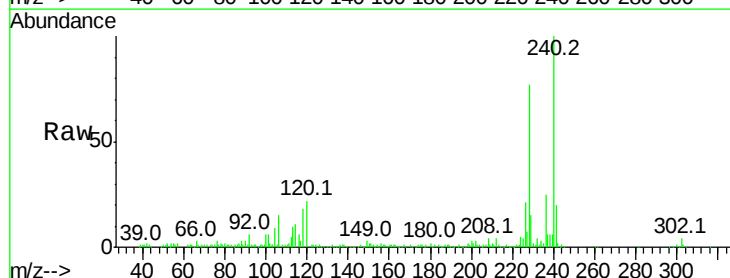
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



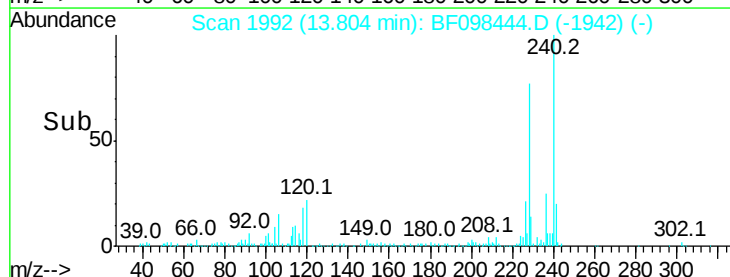
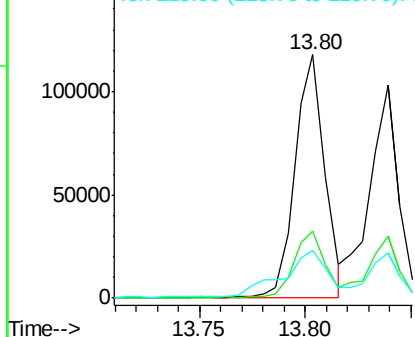
#80
 Benzo(a)anthracene
 Concen: 4.279 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF098444.D
 Acq: 12 Sep 2017 11:08

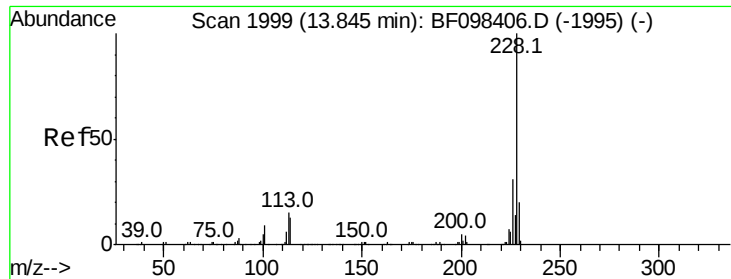
Tgt Ion:228 Resp: 116221

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	19.4	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

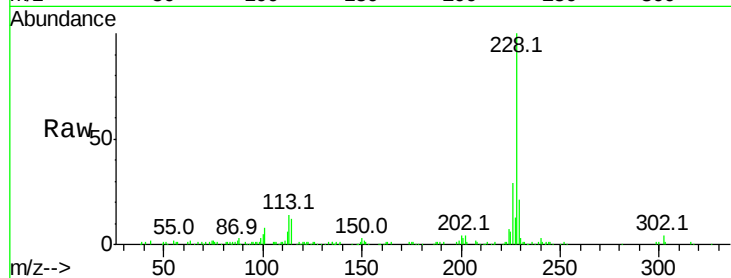




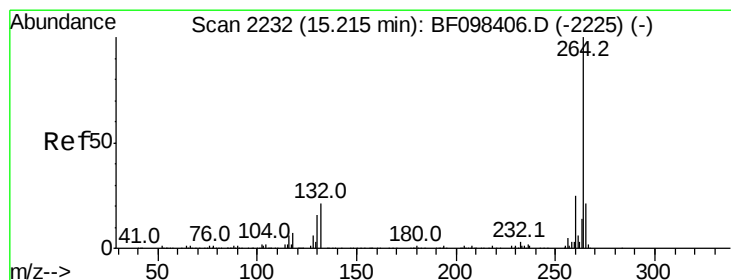
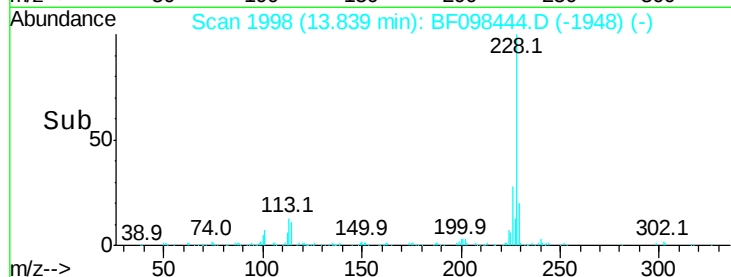
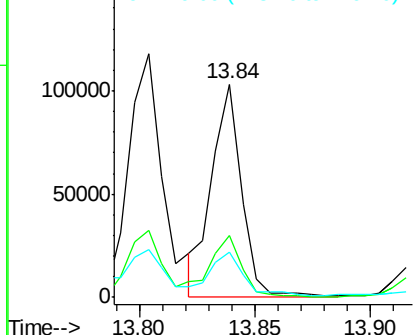
#82
Chrysene
Concen: 3.364 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 92360
Ion Ratio Lower Upper
228 100
226 28.7 24.9 37.3
229 21.2 15.8 23.6

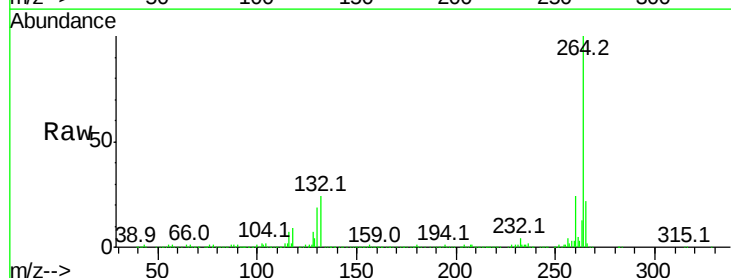


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

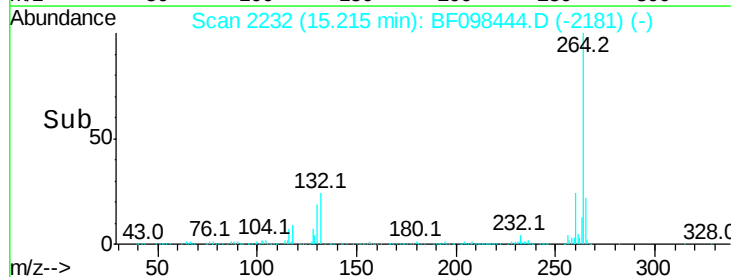
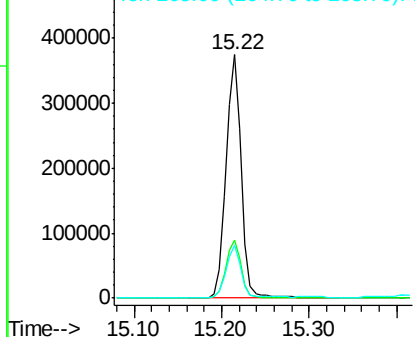


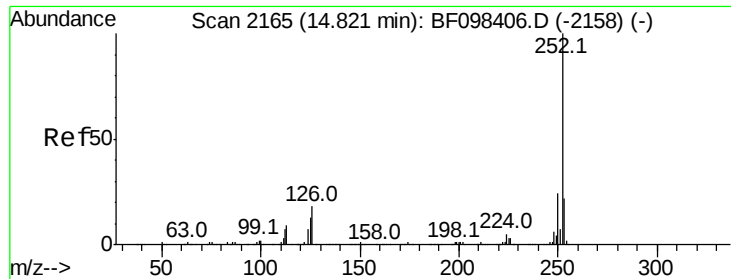
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

Tgt Ion:264 Resp: 452869
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 21.8 17.2 25.8



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

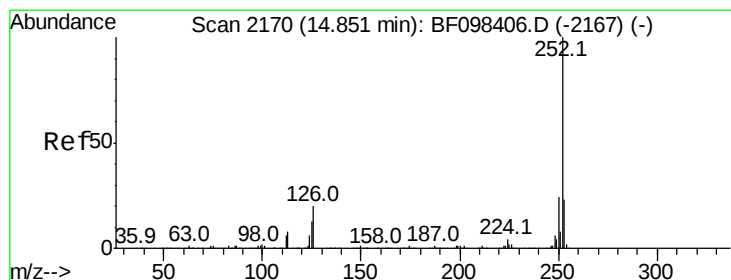
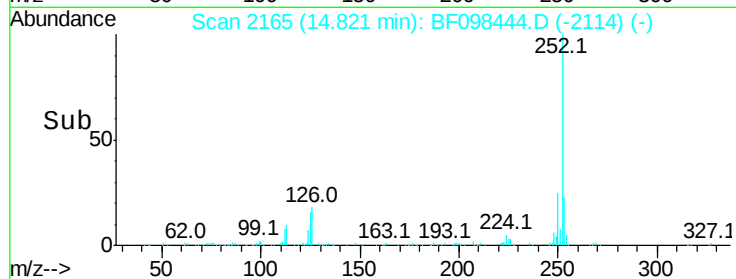
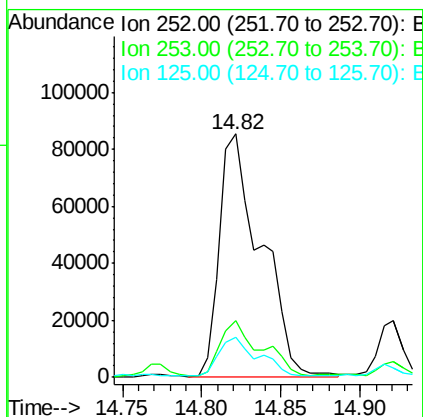
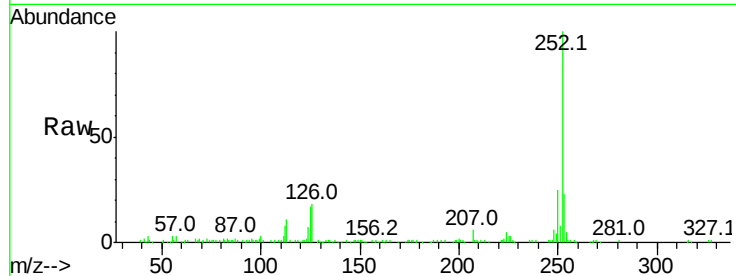




#87
Benzo(b)fluoranthene
Concen: 5.488 ng
RT: 14.82 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

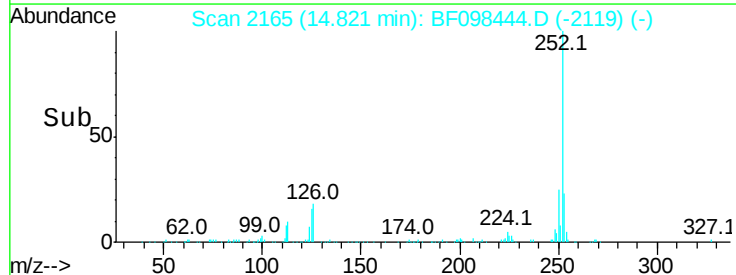
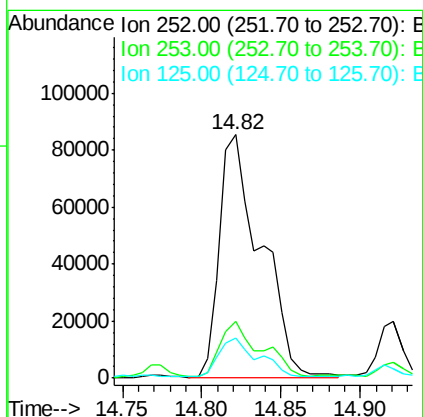
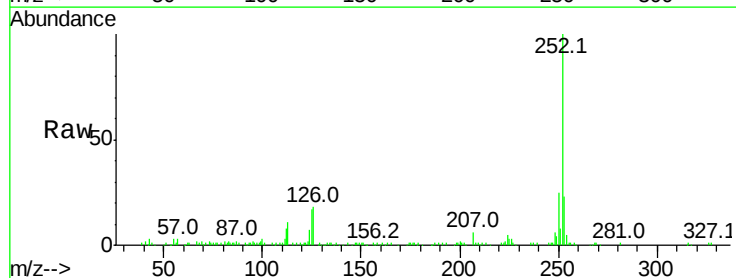
Instrument :
BNA_F
ClientSampleId :

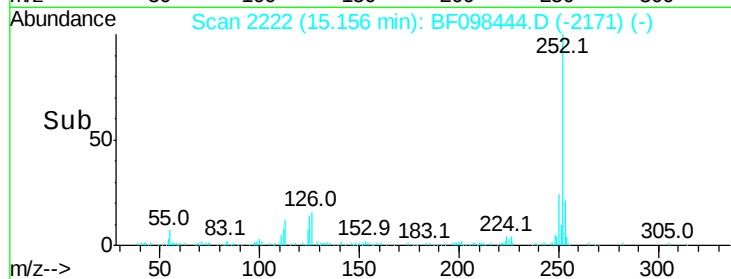
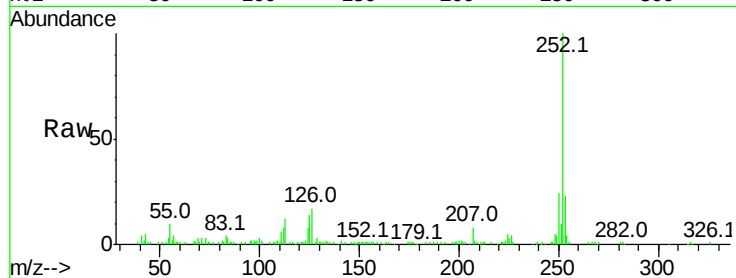
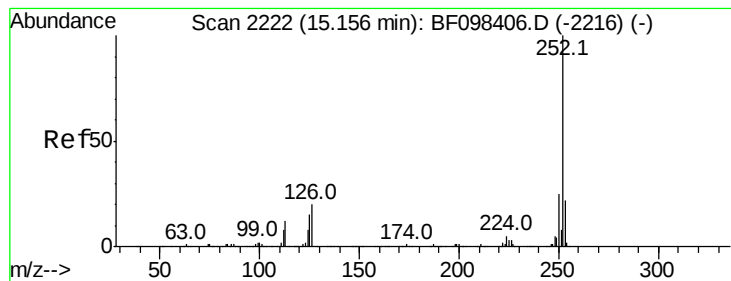
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	16.7	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 5.879 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF098444.D
Acq: 12 Sep 2017 11:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	16.7	13.1	19.7





#89

Benzo(a)pyrene

Concen: 3.319 ng

RT: 15.16 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BF098444.D

Acq: 12 Sep 2017 11:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 84210

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 14.0 11.0 16.4

