

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098834.D
 Acq On : 26 Sep 2017 16:08
 Operator : SJ/JU
 Sample : I5363-05 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 00:46:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

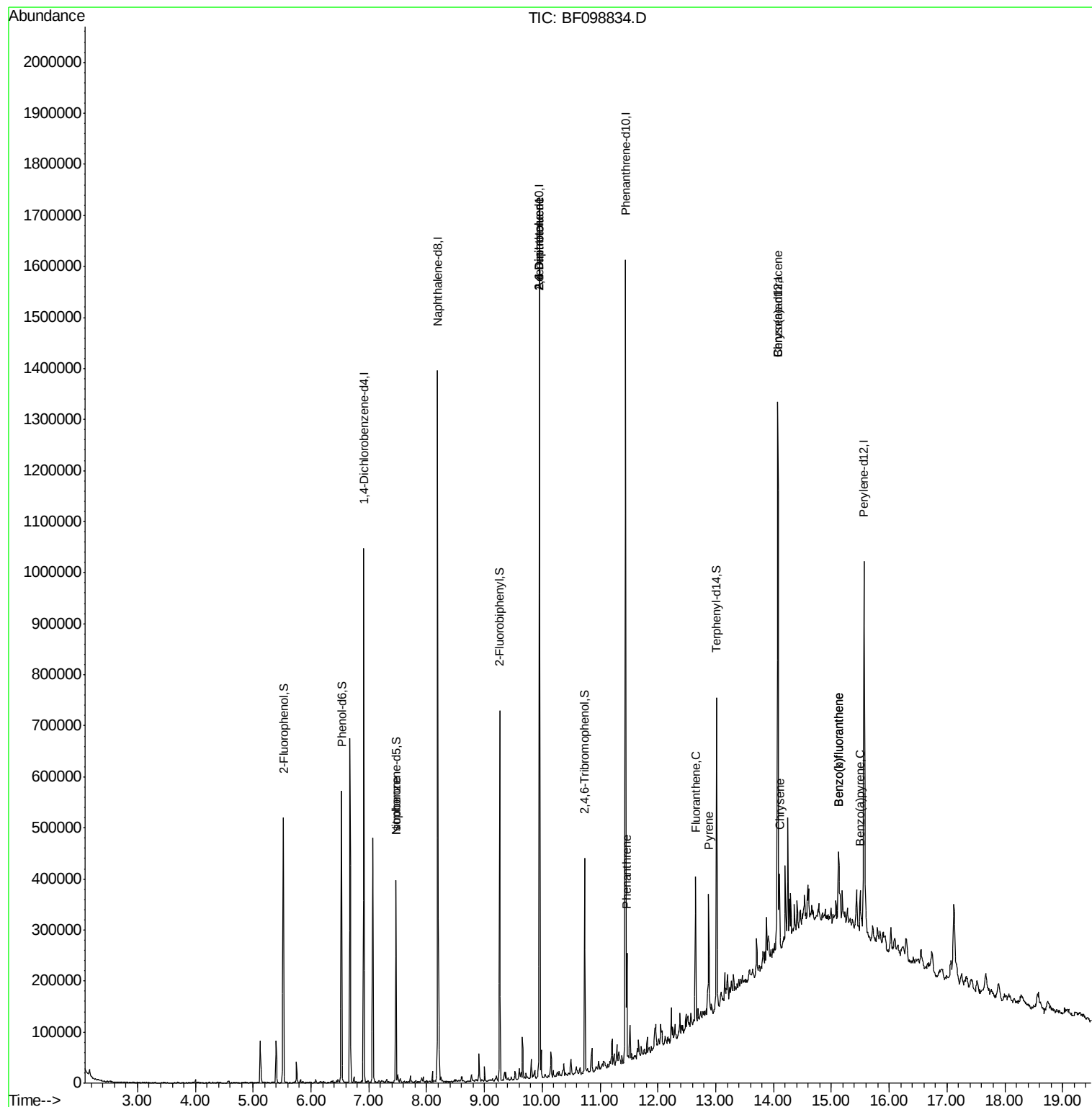
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	153485	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	652235	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	294752	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	504760	20.00	ng	0.00
75) Chrysene-d12	14.07	240	334779	20.00	ng	-0.01
86) Perylene-d12	15.57	264	318049	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	146106	15.15	ng	-0.02
7) Phenol-d6	6.53	99	182576	15.35	ng	-0.02
23) Nitrobenzene-d5	7.47	82	104195	10.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	34480	14.30	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	221947	12.57	ng	-0.01
78) Terphenyl-d14	13.02	244	172221	11.70	ng	-0.02
Target Compounds						
25) Isophorone	7.47	82	103660	4.93	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	38084	7.86	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	38084	6.06	ng	# 23
70) Phenanthrene	11.46	178	70612	2.61	ng	97
74) Fluoranthene	12.65	202	99857	3.65	ng	98
77) Pyrene	12.88	202	89678	3.51	ng	96
80) Benzo(a)anthracene	14.07	228	45619	2.25	ng	94
82) Chrysene	14.10	228	49634	2.57	ng	97
87) Benzo(b)fluoranthene	15.13	252	88678	4.53	ng	# 90
88) Benzo(k)fluoranthene	15.13	252	88678	4.59	ng	# 93
89) Benzo(a)pyrene	15.50	252	36246	2.02	ng	# 86

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
Data File : BF098834.D
Acq On : 26 Sep 2017 16:08
Operator : SJ/JU
Sample : I5363-05 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 27 00:46:19 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

Instrument :

BNA_F

ClientSampleId :

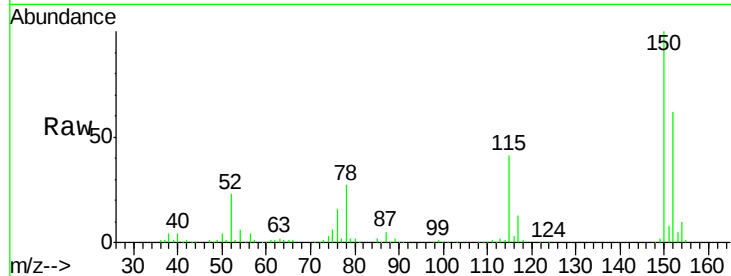
Tot Ion:152 Resp: 153485

Ion Ratio Lower Upper

152 100

150 160.4 124.6 186.8

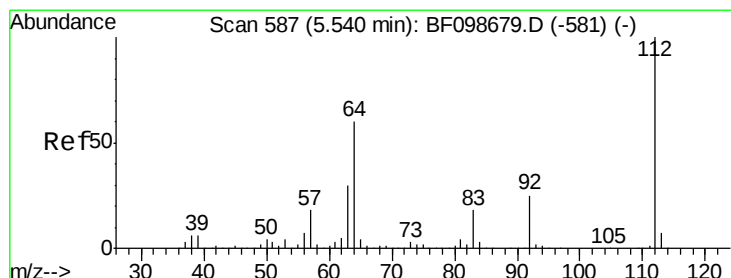
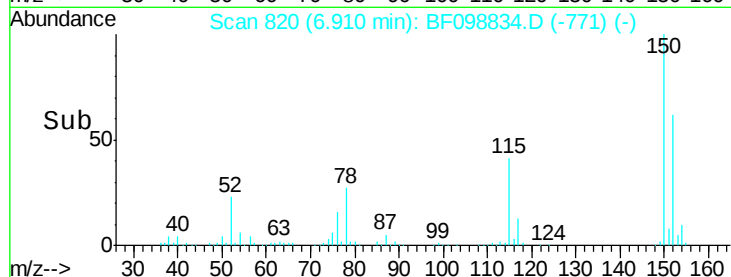
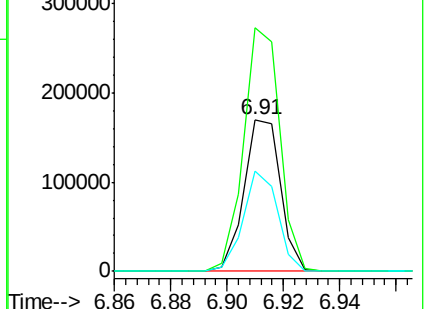
115 65.7 50.1 75.1



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



#5

2-Fluorophenol

Concen: 15.15 ng

RT: 5.52 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

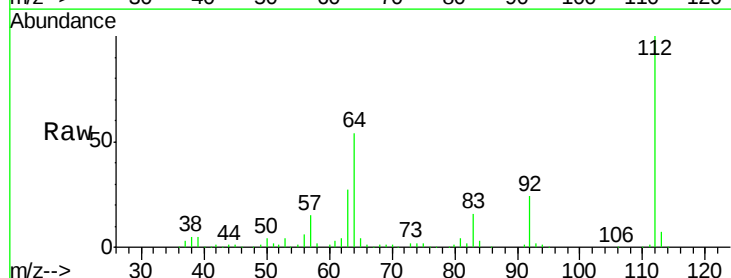
Tgt Ion:112 Resp: 146106

Ion Ratio Lower Upper

112 100

64 54.3 47.9 71.9

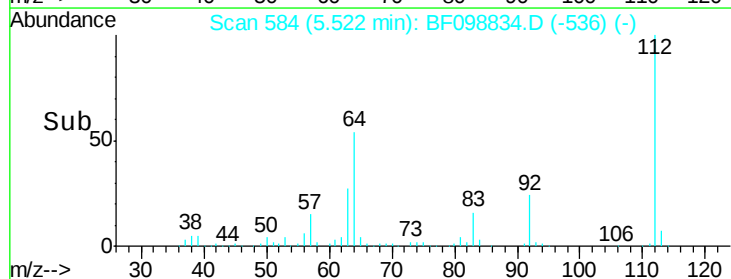
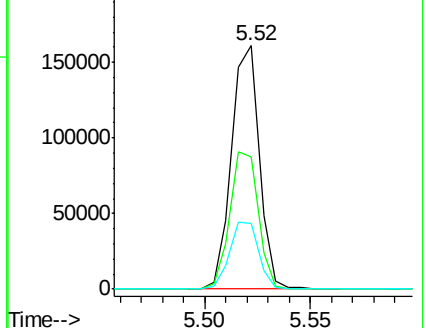
63 27.0 23.7 35.5

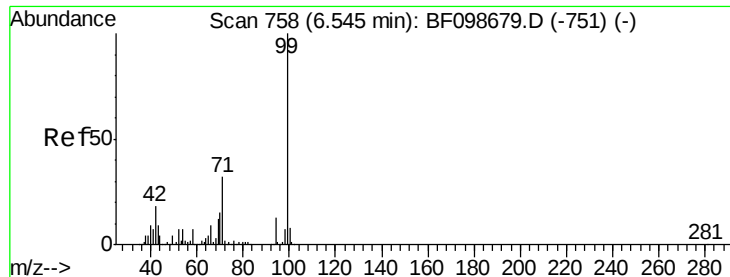


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 15.35 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

Instrument :

BNA_F

ClientSampled :

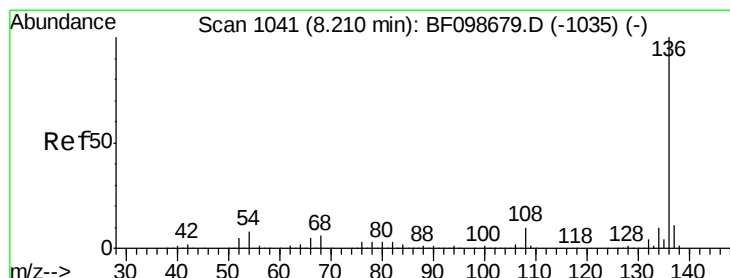
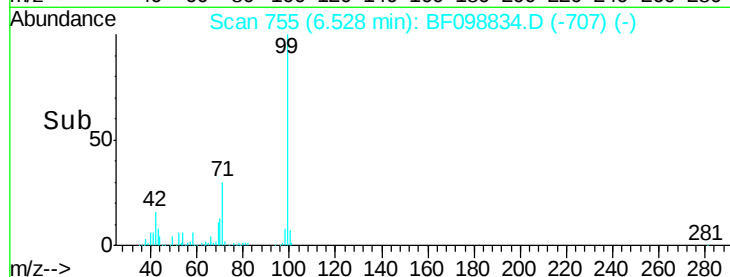
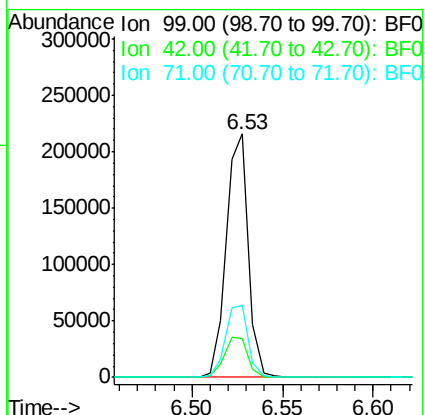
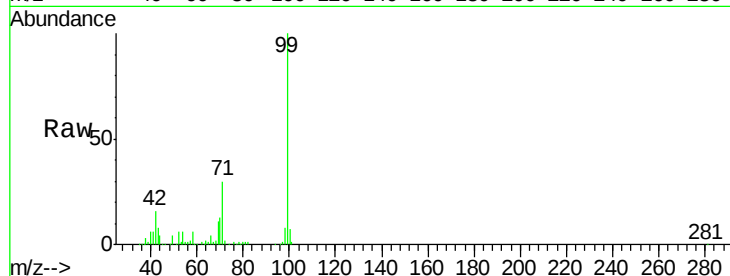
Tot Ion: 99 Resp: 182576

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 29.9 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

Tgt Ion: 136 Resp: 652235

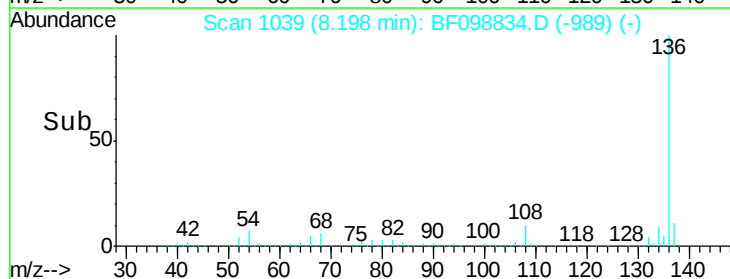
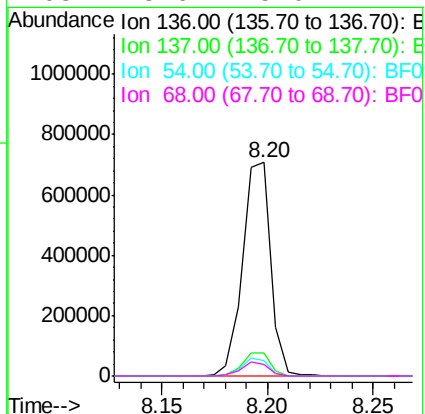
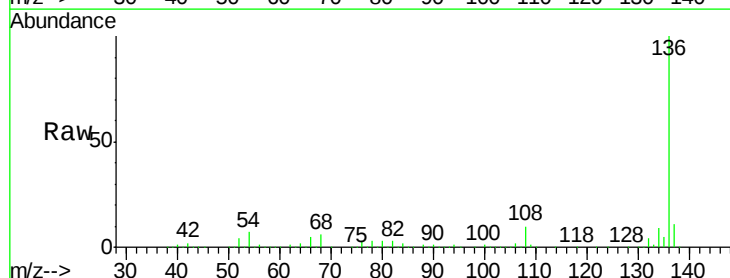
Ion Ratio Lower Upper

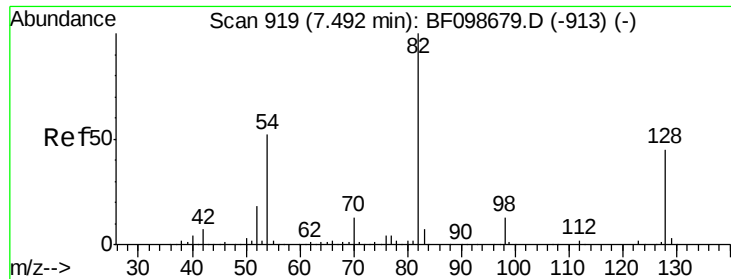
136 100

137 10.6 8.9 13.3

54 7.0 6.6 9.8

68 5.6 5.0 7.4

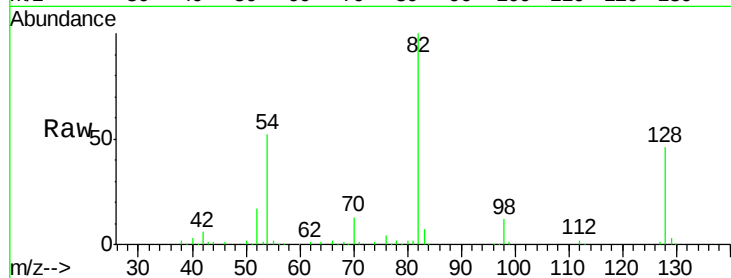




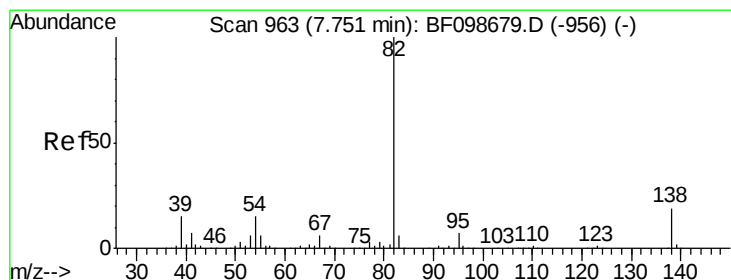
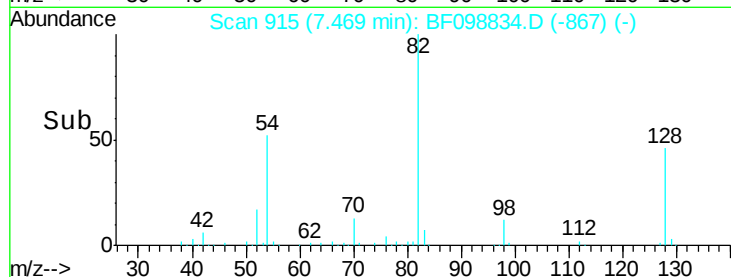
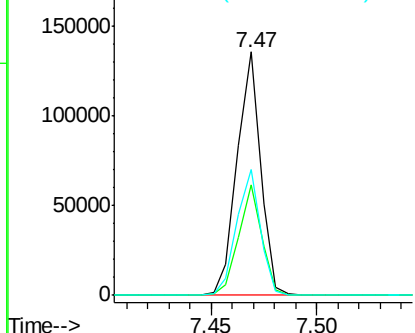
#23
 Nitrobenzene-d5
 Concen: 10.24 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098834.D
 Acq: 26 Sep 2017 16:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	104195
Ion Ratio	100	Lower	Upper
128	45.5	36.1	54.1
54	51.7	41.4	62.2

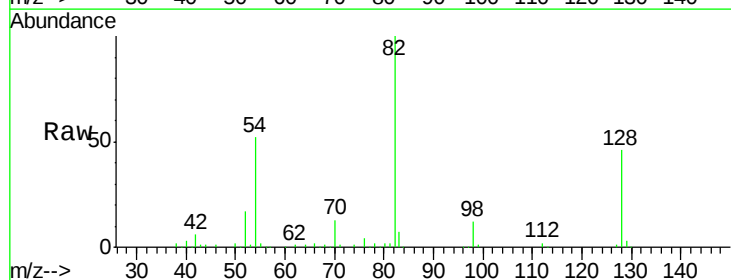


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

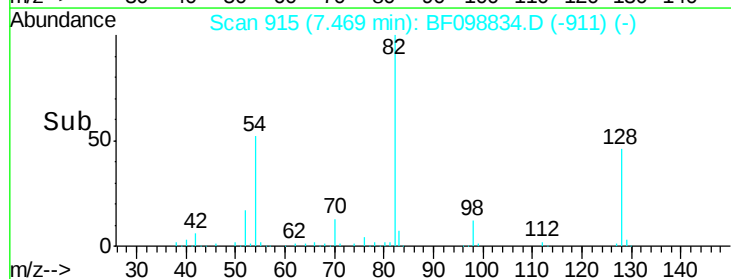
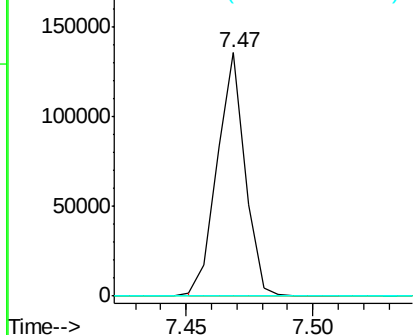


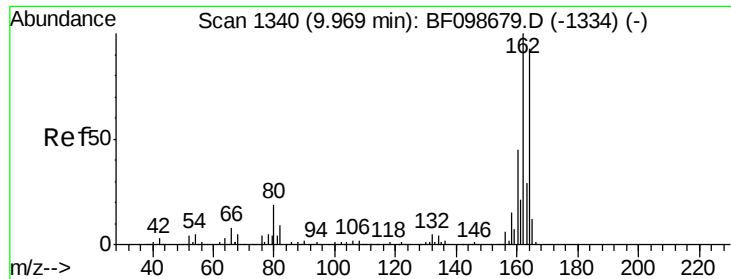
#25
 Isophorone
 Concen: 4.93 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.28 min
 Lab File: BF098834.D
 Acq: 26 Sep 2017 16:08

Tgt Ion	82	Resp	103660
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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

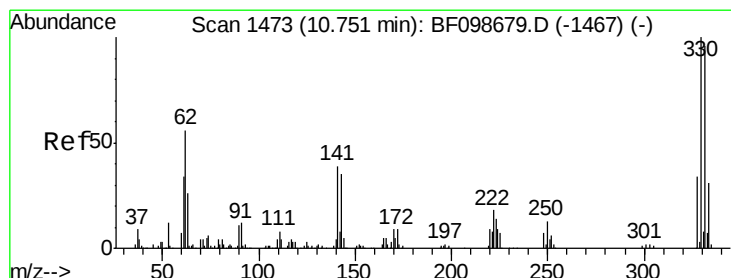
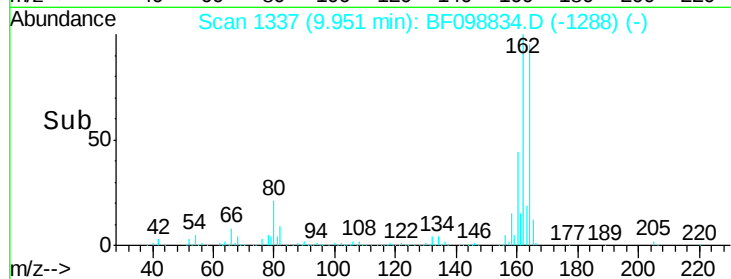
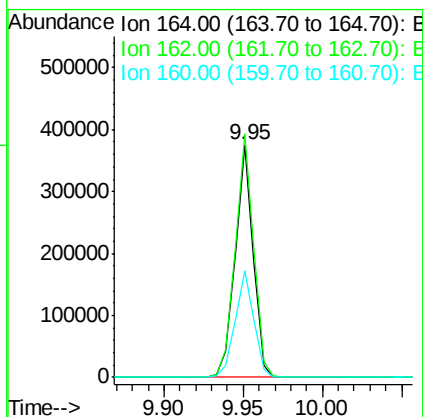
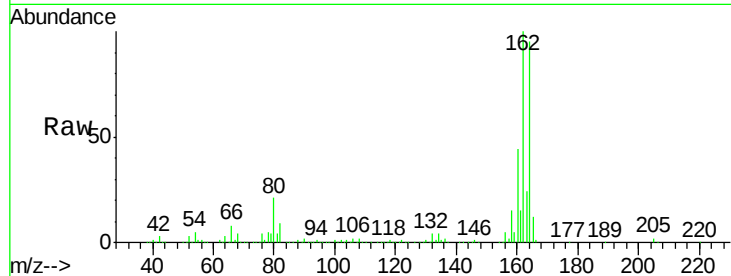




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098834.D
 Acq: 26 Sep 2017 16:08

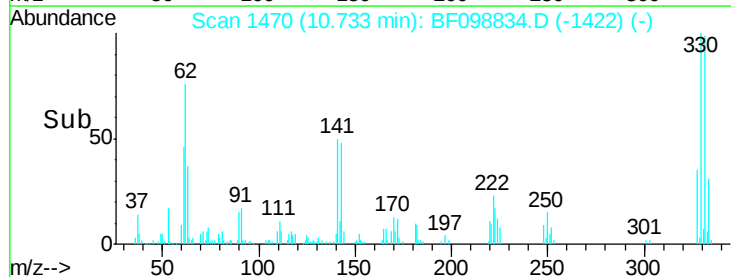
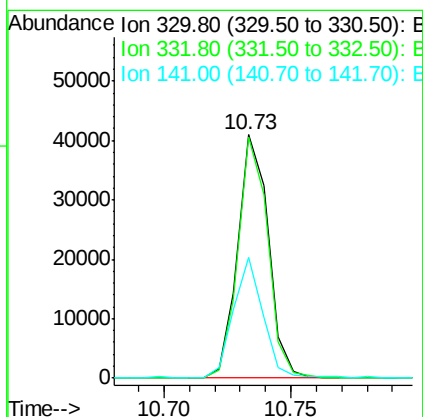
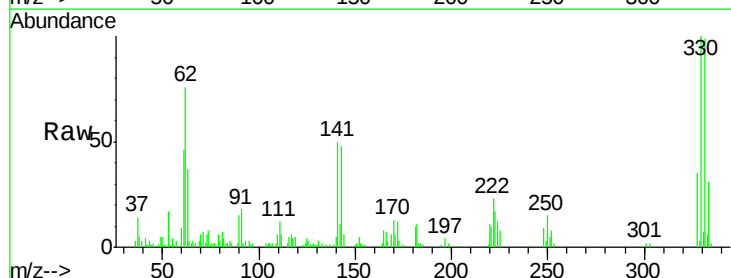
Instrument :
 BNA_F
 ClientSampleId :

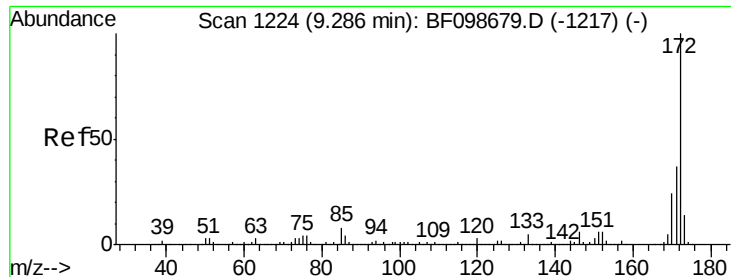
Tot Ion:164 Resp: 294752
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 46.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 14.30 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098834.D
 Acq: 26 Sep 2017 16:08

Tgt Ion:330 Resp: 34480
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 48.6 29.9 44.9#

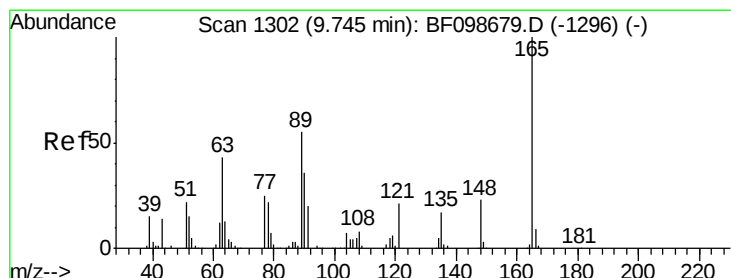
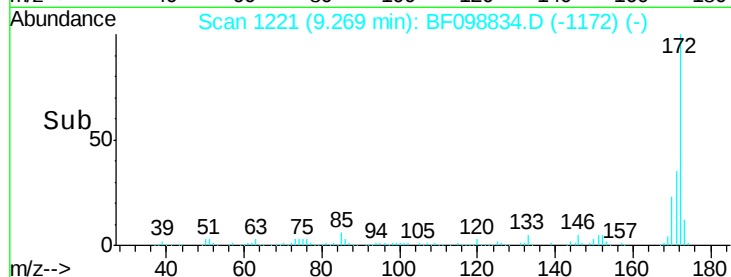
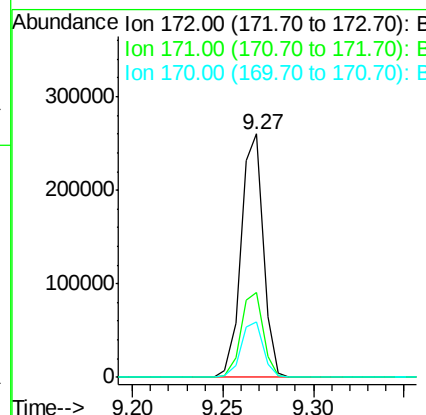
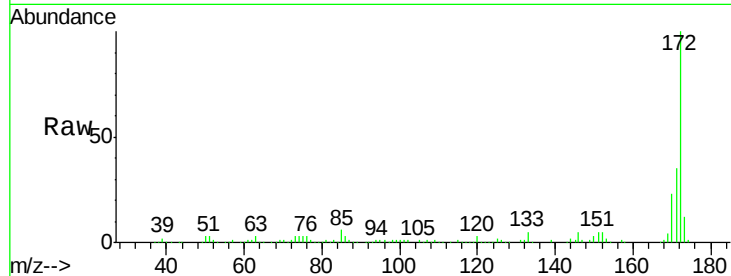




#44
 2-Fluorobiphenyl
 Concen: 12.57 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098834.D
 Acq: 26 Sep 2017 16:08

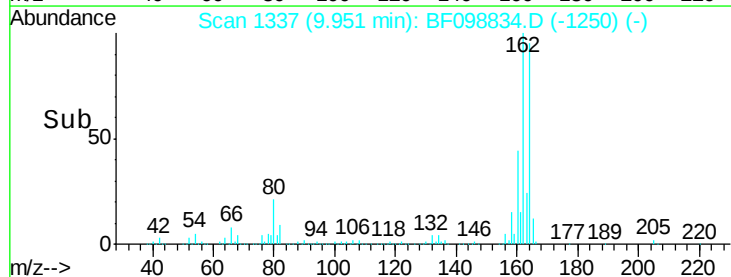
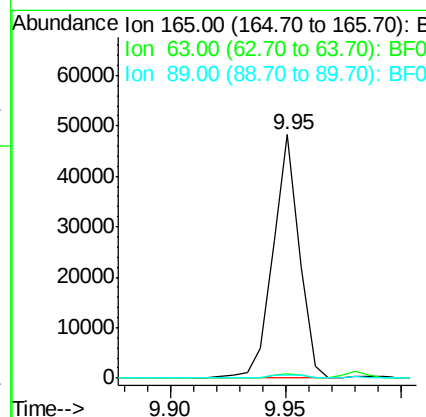
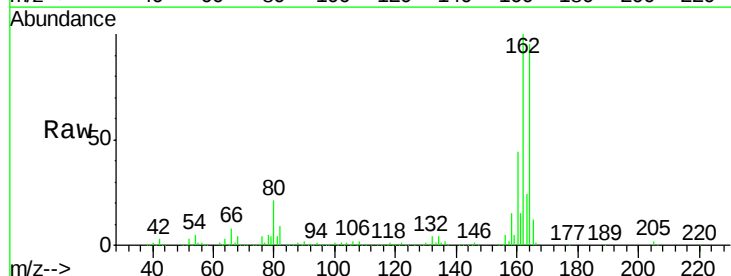
Instrument :
 BNA_F
 ClientSampleId :

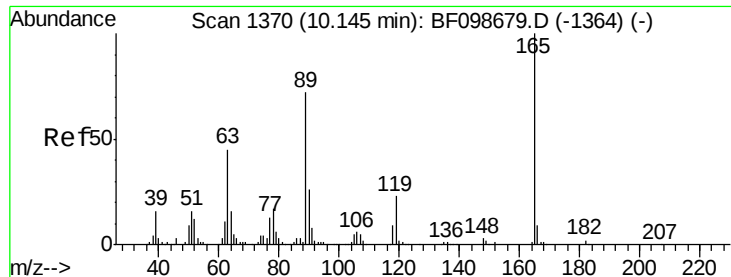
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	22.9	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.86 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098834.D
 Acq: 26 Sep 2017 16:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.4	44.0	66.0#





#56

2,4-Dinitrotoluene

Concen: 6.06 ng

RT: 9.95 min Scan# 1337

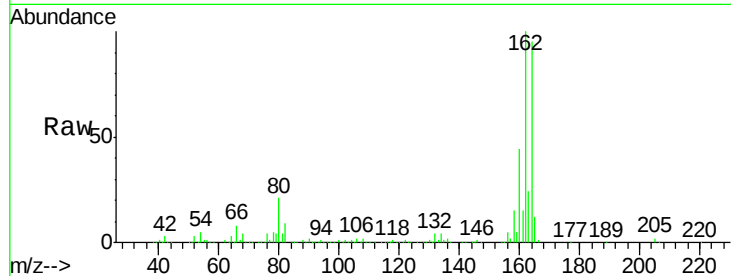
Delta R.T. -0.19 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	38084
Ion Ratio	Lower	Upper
165	100	
63	1.6	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#

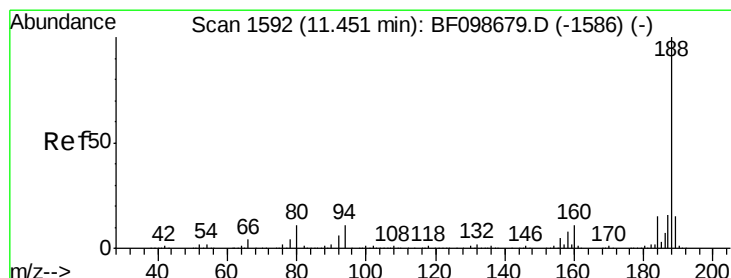
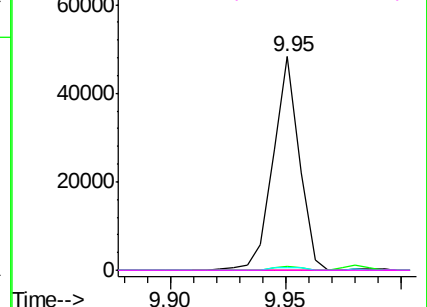
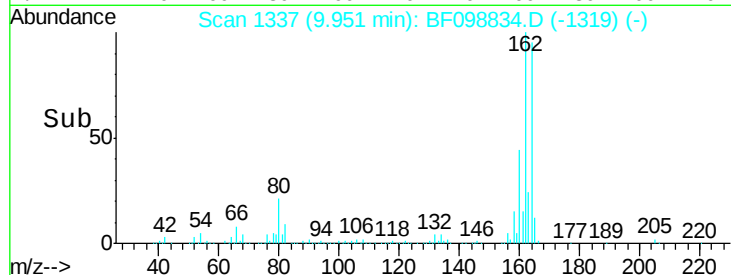


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

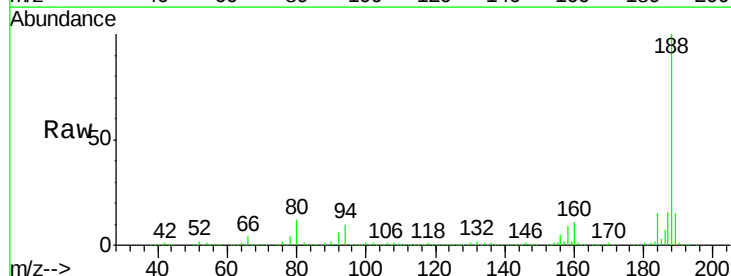
RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

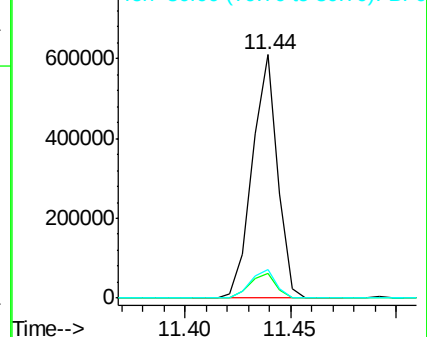
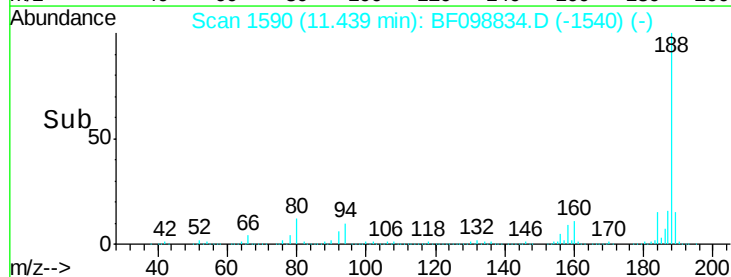
Tgt Ion:188	Resp:	504760
Ion Ratio	Lower	Upper
188	100	
94	10.4	8.5 12.7
80	11.7	9.2 13.8

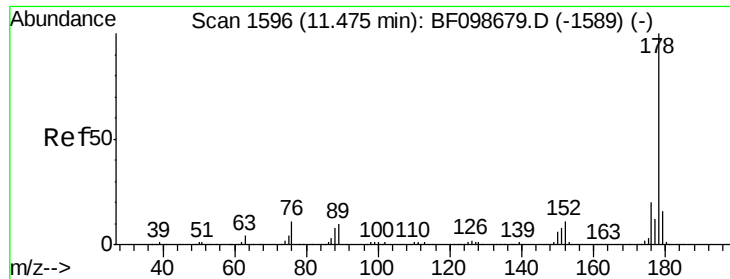


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

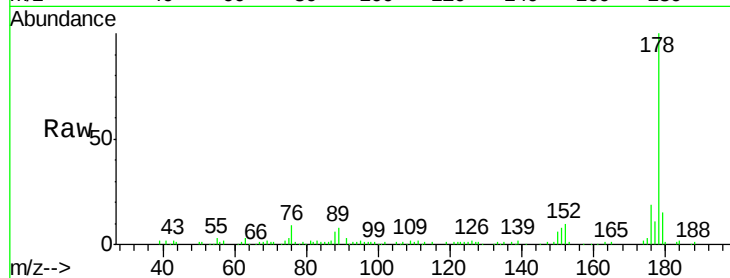




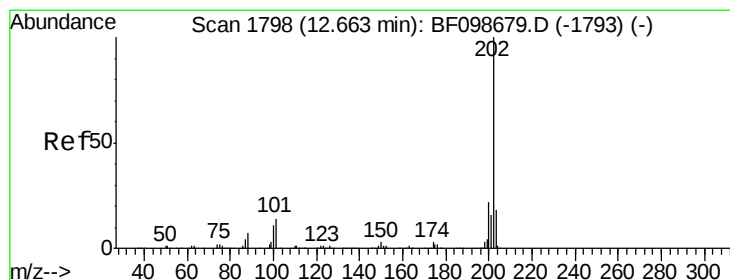
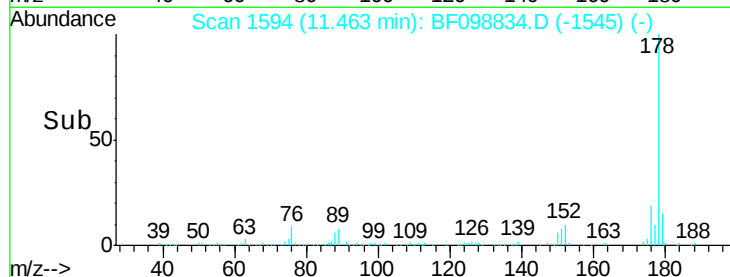
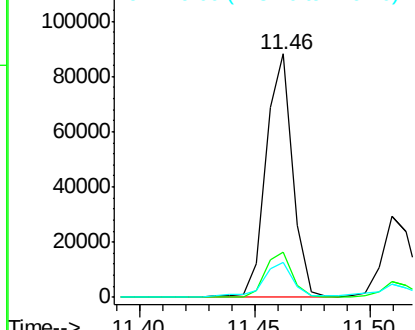
#70
Phenanthrene
Concen: 2.61 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098834.D
Acq: 26 Sep 2017 16:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 70612
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 14.6 13.0 19.6

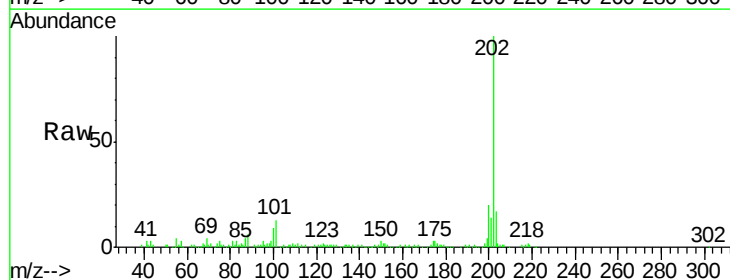


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

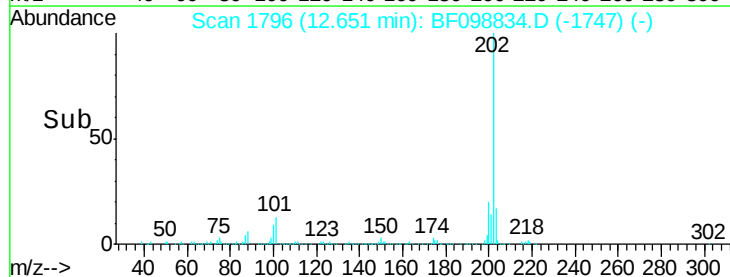
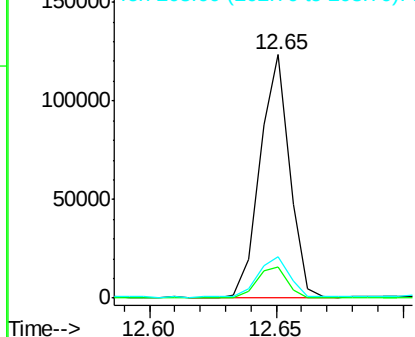


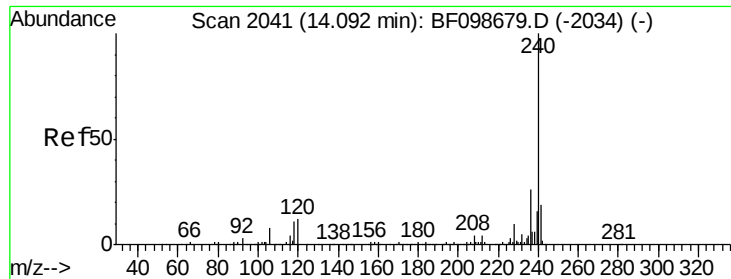
#74
Fluoranthene
Concen: 3.65 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF098834.D
Acq: 26 Sep 2017 16:08

Tgt Ion:202 Resp: 99857
Ion Ratio Lower Upper
202 100
101 13.0 0.0 34.1
203 17.1 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: 20.00 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

Instrument :

BNA_F

ClientSampled :

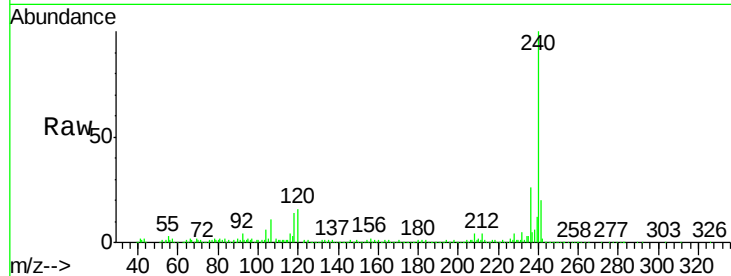
Tot Ion:240 Resp: 334779

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

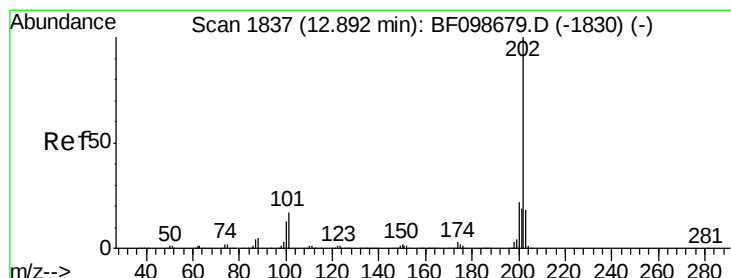
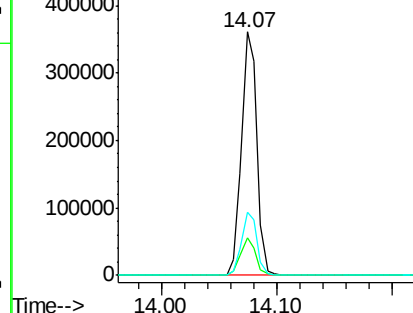
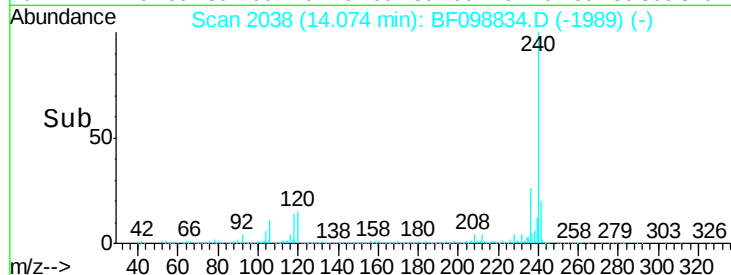
236 25.9 20.7 31.1



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: 3.51 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

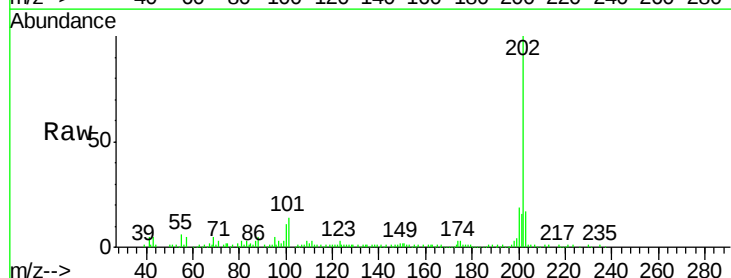
Tgt Ion:202 Resp: 89678

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

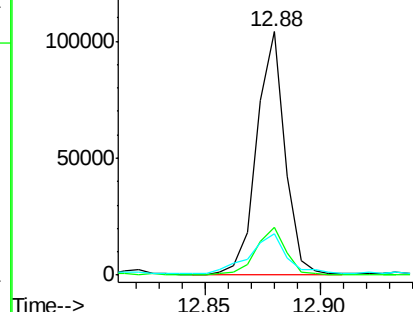
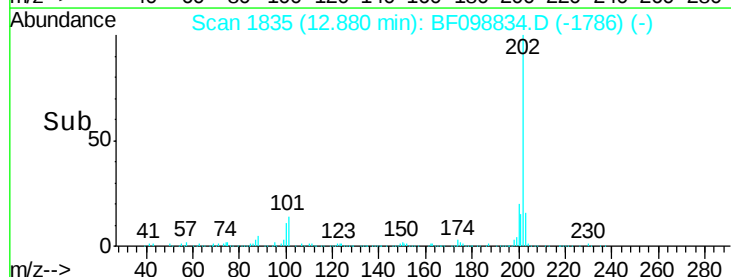
203 16.9 14.3 21.5

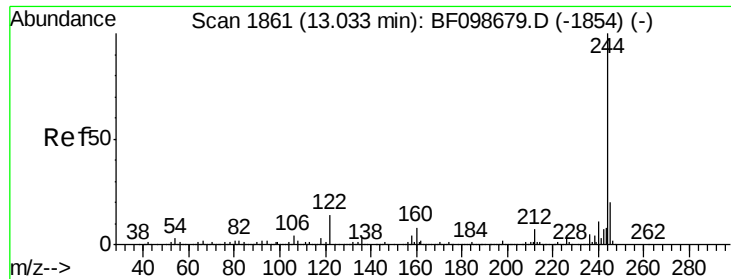


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.70 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

Instrument :

BNA_F

ClientSampled :

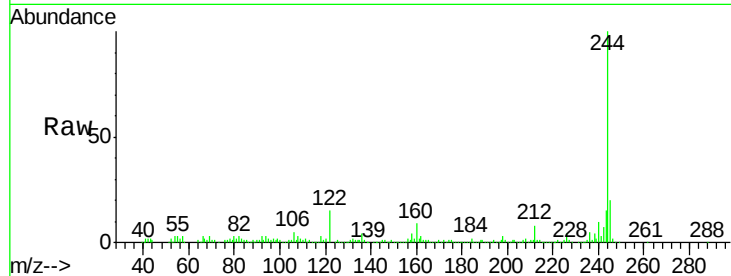
Tot Ion:244 Resp: 172221

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

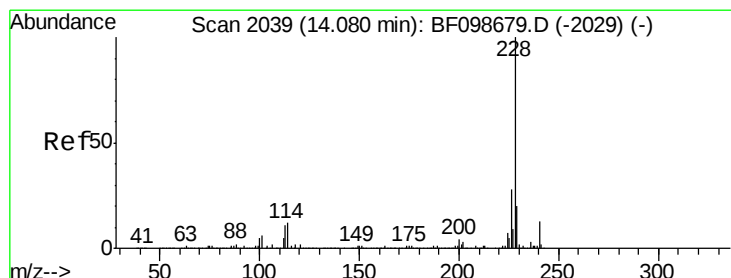
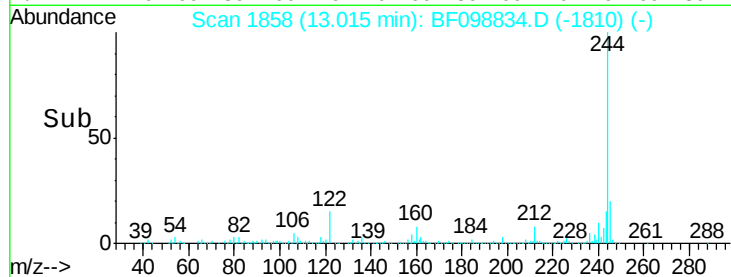
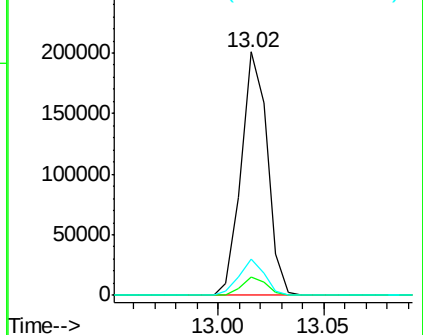
122 14.9 11.0 16.4



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: 2.25 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

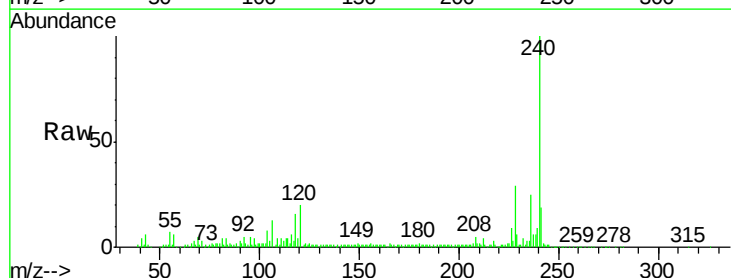
Tgt Ion:228 Resp: 45619

Ion Ratio Lower Upper

228 100

226 31.7 22.6 33.8

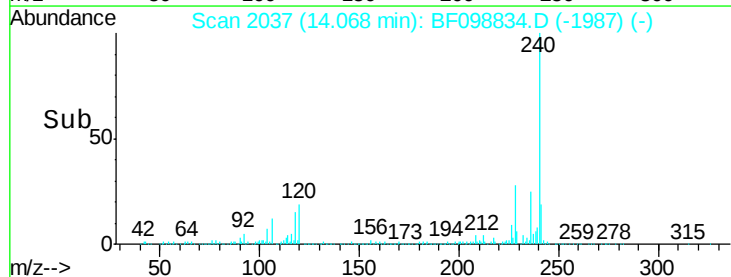
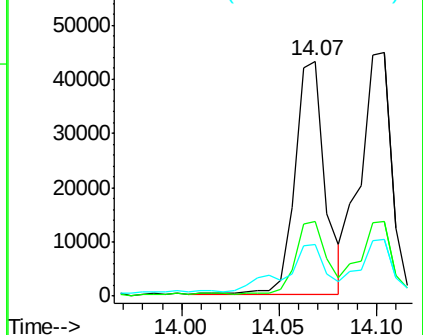
229 21.9 15.8 23.6

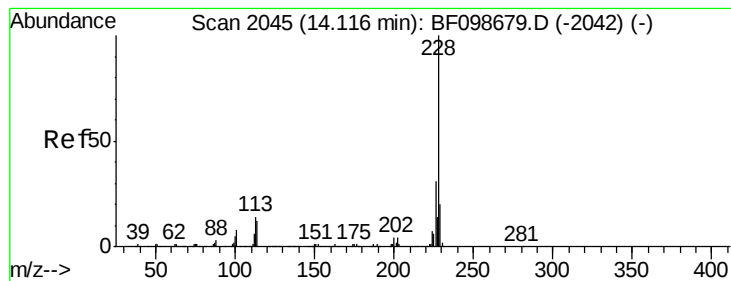


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.57 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

Instrument :

BNA_F

ClientSampleId :

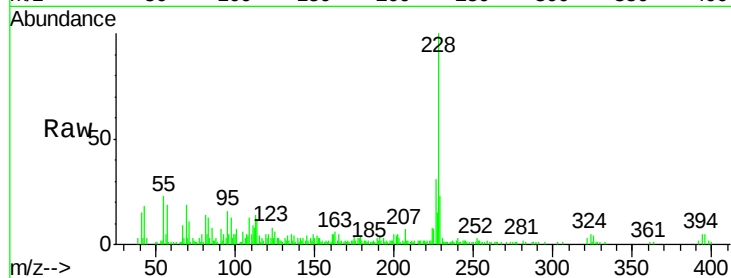
Tot Ion:228 Resp: 49634

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

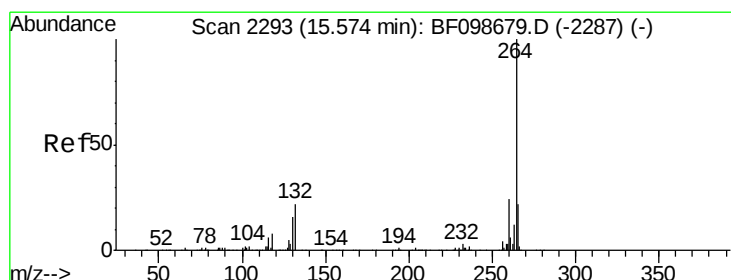
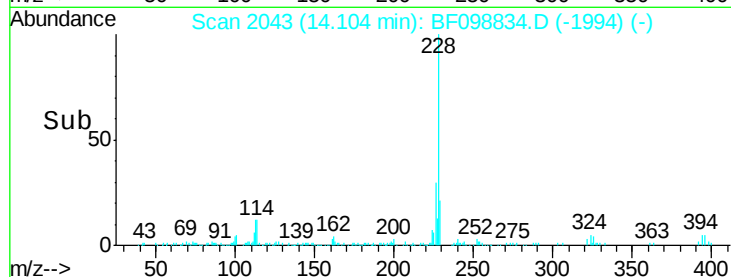
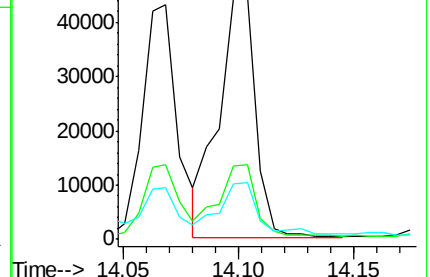
229 23.1 16.2 24.4



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: 20.00 ng

RT: 15.57 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

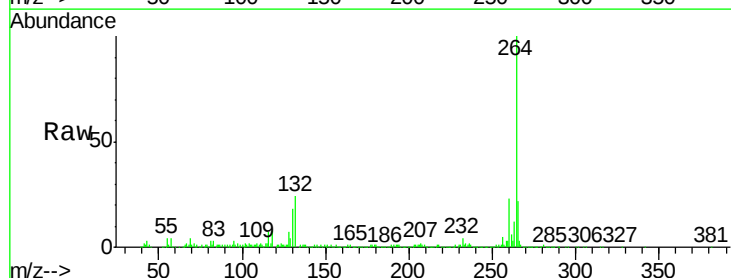
Tgt Ion:264 Resp: 318049

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

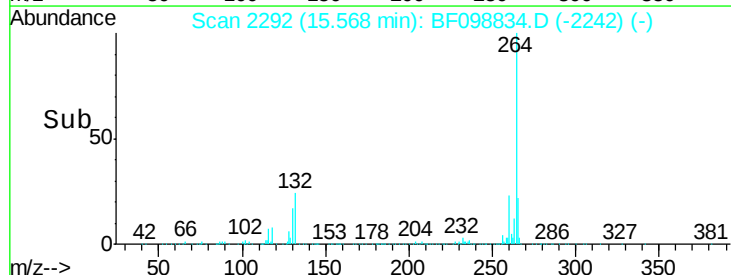
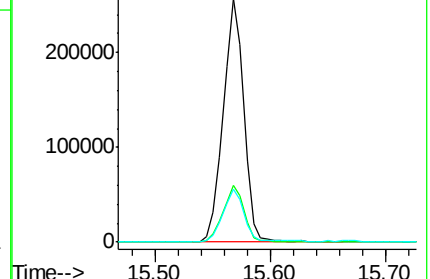
265 21.8 17.5 26.3

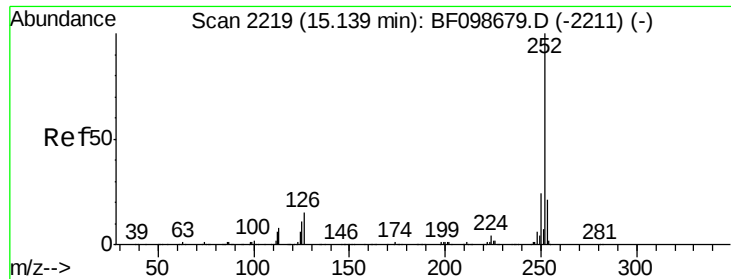


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

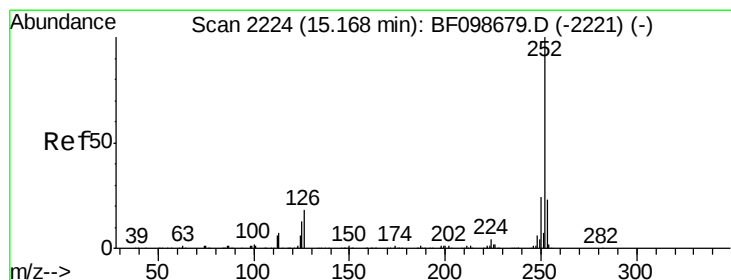
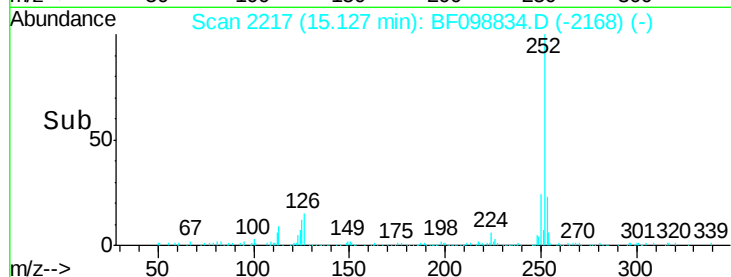
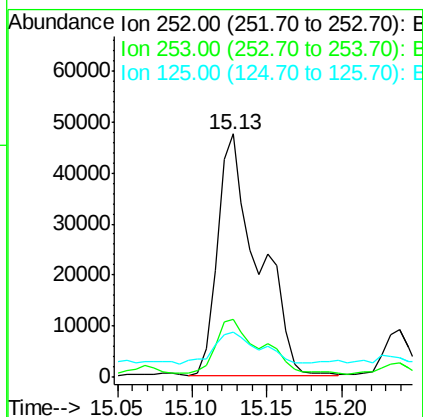
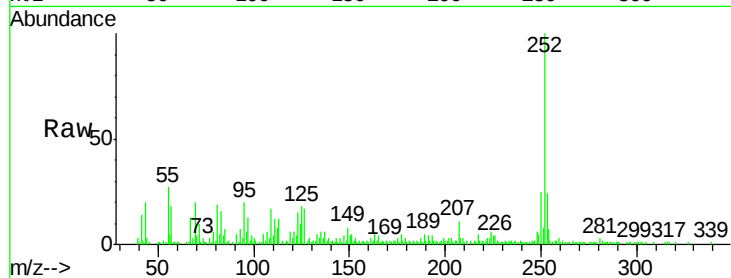




#87
Benzo(b)fluoranthene
Concen: 4.53 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098834.D
Acq: 26 Sep 2017 16:08

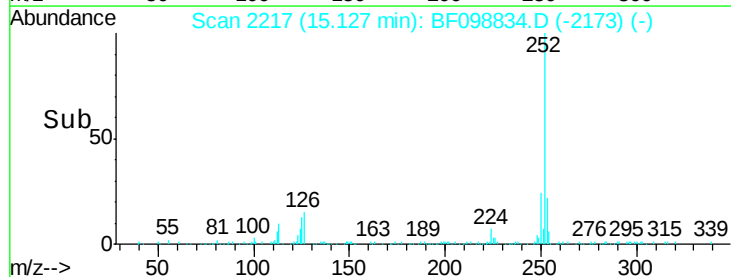
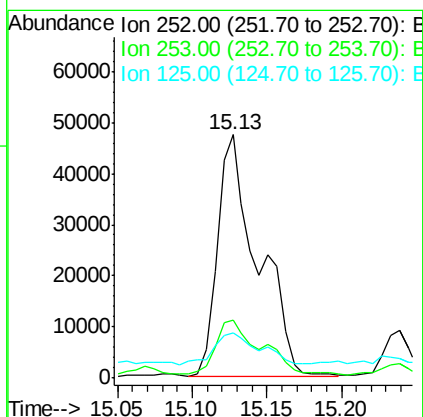
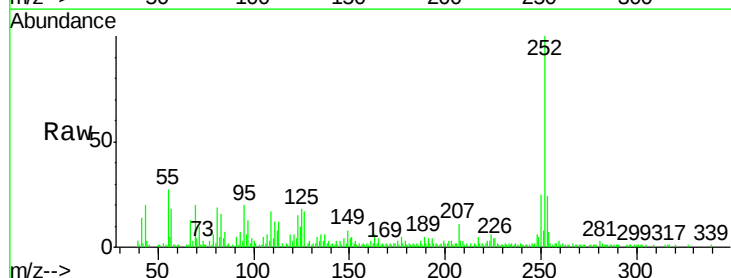
Instrument :
BNA_F
ClientSampleId :

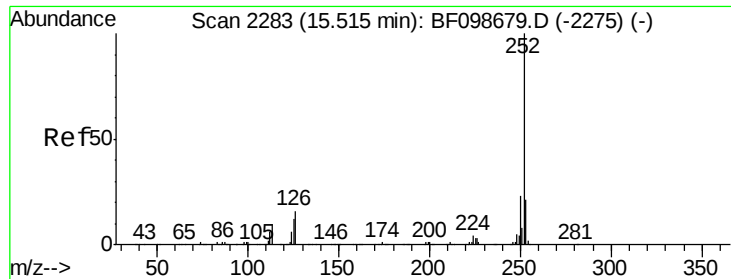
Tot Ion:252 Resp: 88678
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 18.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 4.59 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098834.D
Acq: 26 Sep 2017 16:08

Tgt Ion:252 Resp: 88678
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 18.4 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.02 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BF098834.D

Acq: 26 Sep 2017 16:08

Instrument :

BNA_F

ClientSampleId :

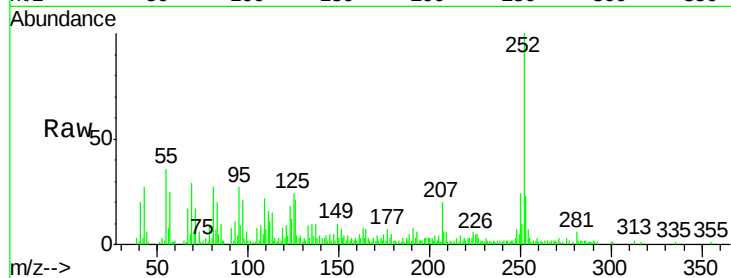
Tot Ion: 252 Resp: 36246

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 24.4 9.8 14.6#



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

