

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092617\
 Data File : BF098837.D
 Acq On : 26 Sep 2017 17:31
 Operator : SJ/JU
 Sample : I5363-15 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

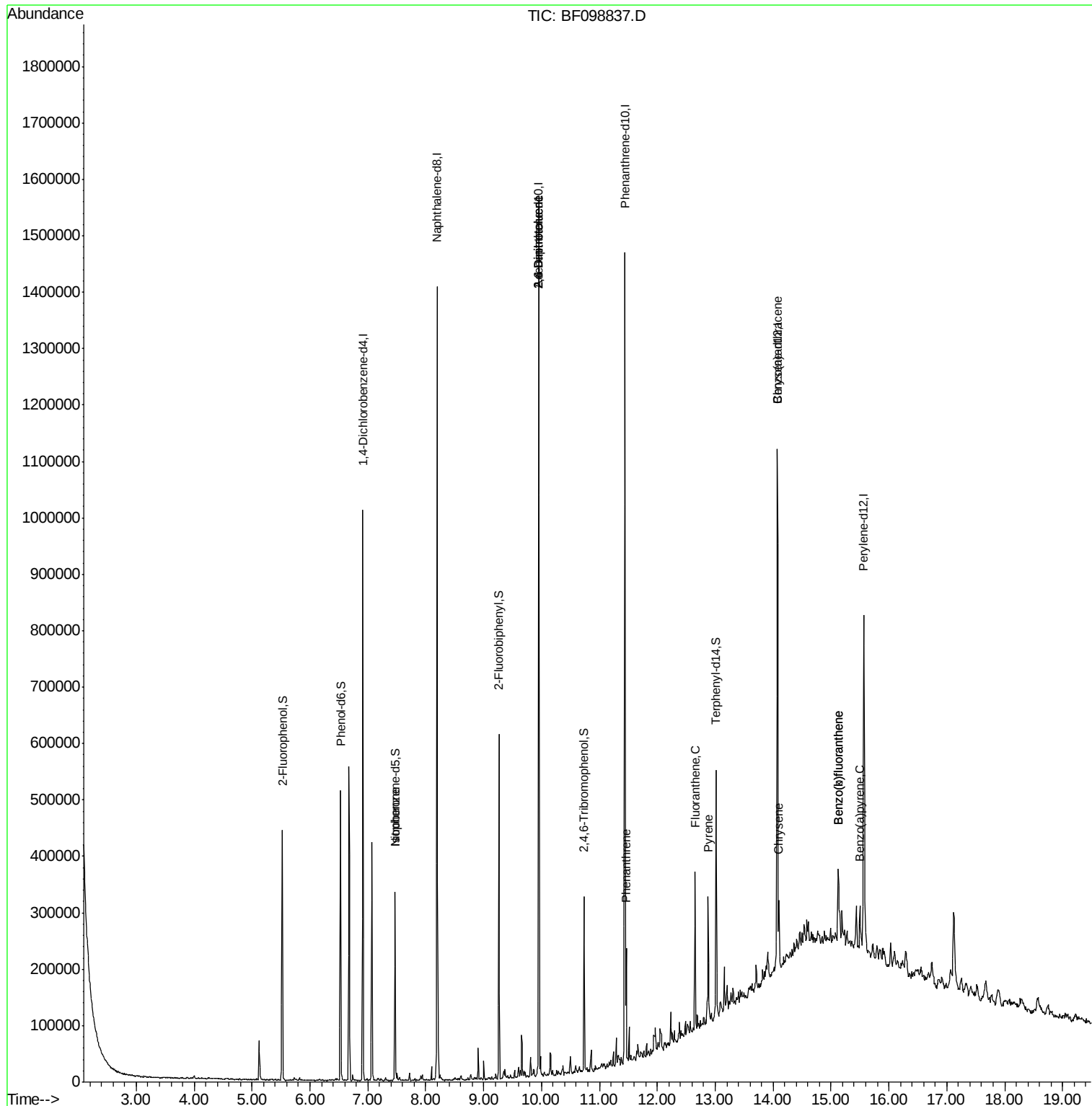
Quant Time: Sep 27 00:47:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

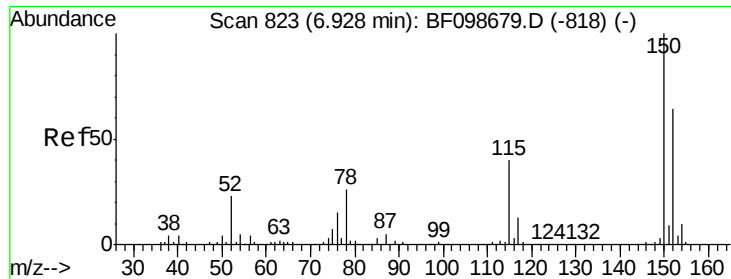
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	152043	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	631686	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	280207	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	452773	20.00	ng	0.00
75) Chrysene-d12	14.07	240	278502	20.00	ng	-0.01
86) Perylene-d12	15.57	264	272601	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	122498	12.83	ng	-0.02
7) Phenol-d6	6.53	99	153726	13.05	ng	-0.02
23) Nitrobenzene-d5	7.47	82	89263	9.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	26338	11.49	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	180193	10.74	ng	-0.01
78) Terphenyl-d14	13.02	244	118993	9.72	ng	-0.02
Target Compounds						
25) Isophorone	7.47	82	88902	4.37	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	37189	8.08	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	37189	6.22	ng	# 23
70) Phenanthrene	11.46	178	65539	2.70	ng	98
74) Fluoranthene	12.65	202	94870	3.87	ng	98
77) Pyrene	12.88	202	81364	3.83	ng	98
80) Benzo(a)anthracene	14.07	228	43040	2.55	ng	93
82) Chrysene	14.10	228	45824	2.85	ng	98
87) Benzo(b)fluoranthene	15.13	252	82865	4.94	ng	# 89
88) Benzo(k)fluoranthene	15.13	252	82865	5.01	ng	# 92
89) Benzo(a)pyrene	15.50	252	33488	2.18	ng	# 86

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

```
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Sample    : I5363-15 10X  
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ALS Vial  : 12      Sample Multiplier: 1
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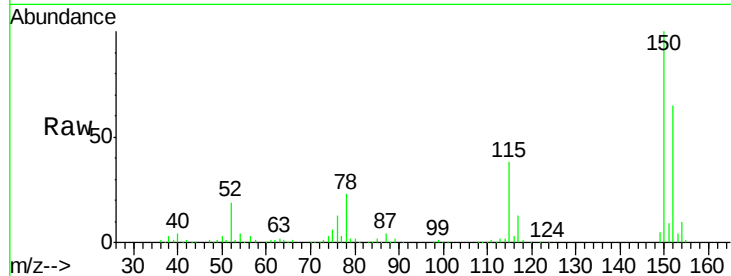


#1

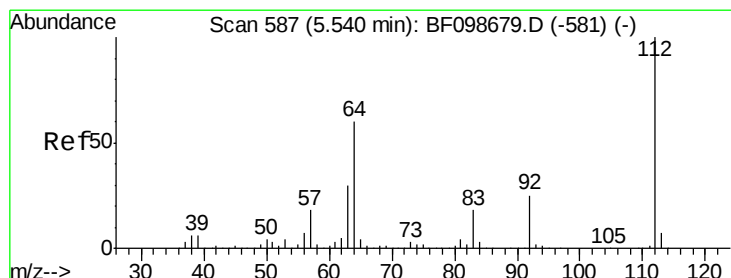
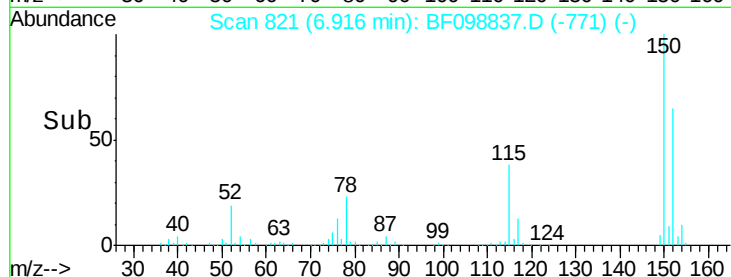
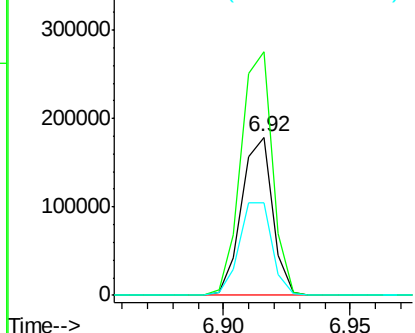
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 152043
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 58.8 50.1 75.1



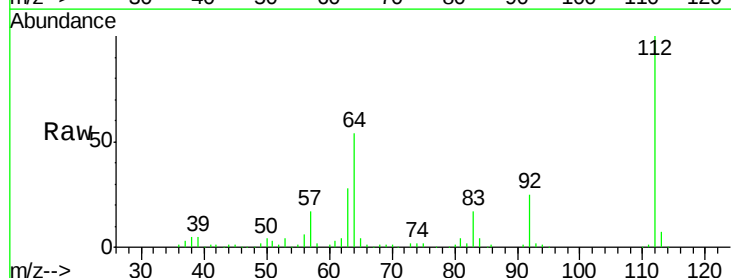
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



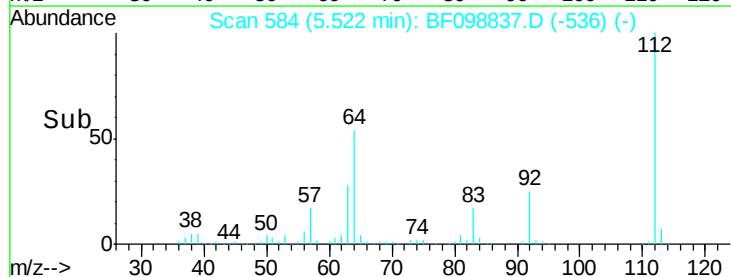
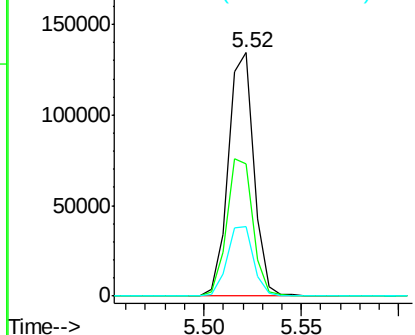
#5

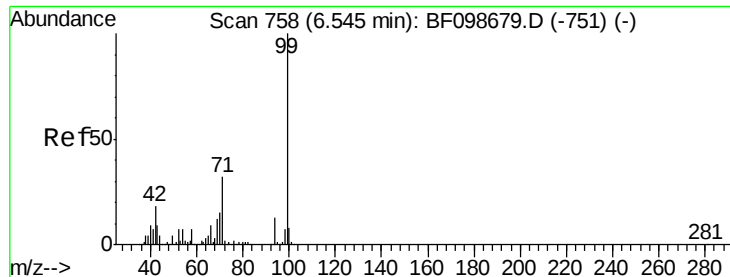
2-Fluorophenol
Concen: 12.83 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Tgt Ion:112 Resp: 122498
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 28.3 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: 13.05 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

ClientSampleId :

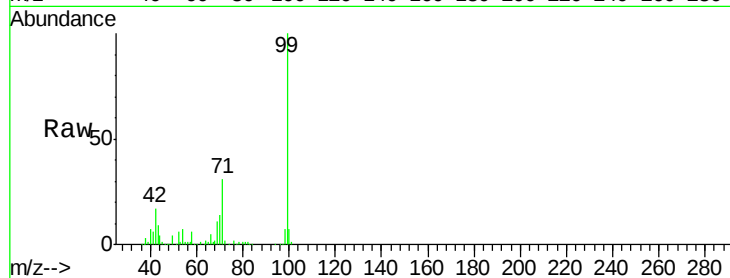
Tot Ion: 99 Resp: 153726

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

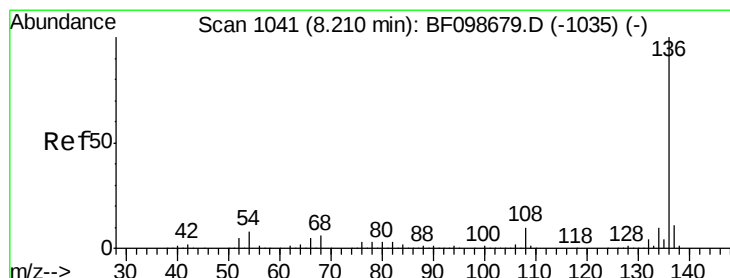
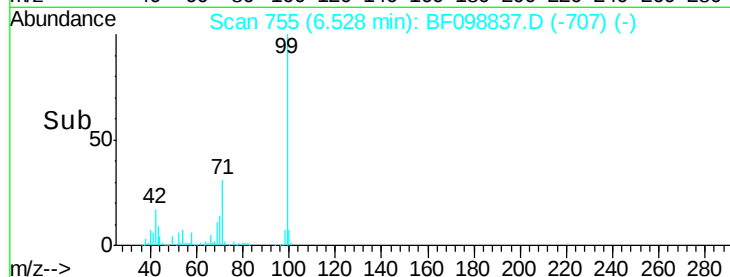
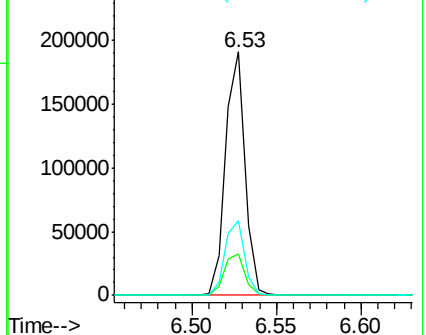
71 30.7 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Tgt Ion: 136 Resp: 631686

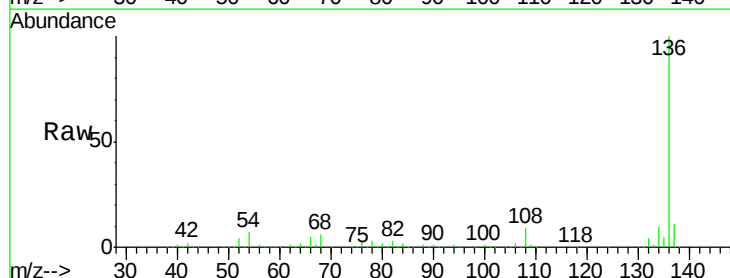
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.2 6.6 9.8

68 5.9 5.0 7.4

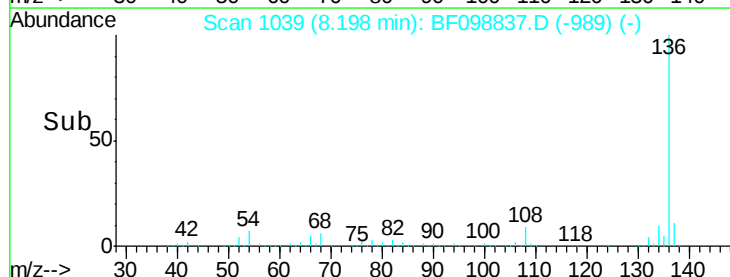
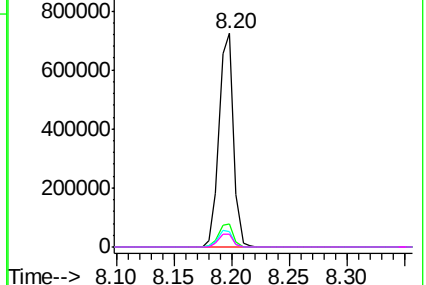


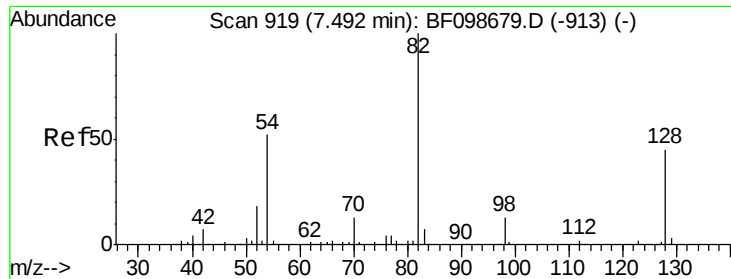
Abundance Ion 136.00 (135.70 to 136.70): E

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

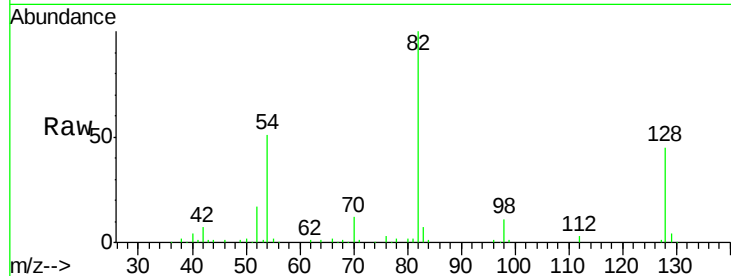




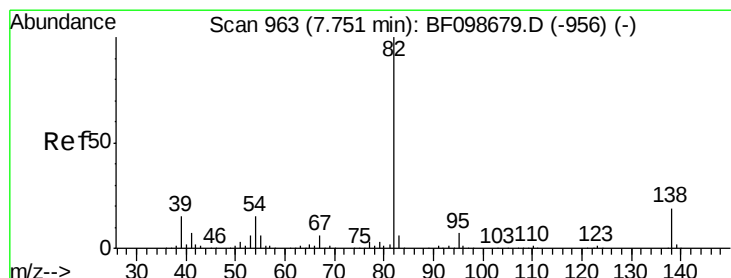
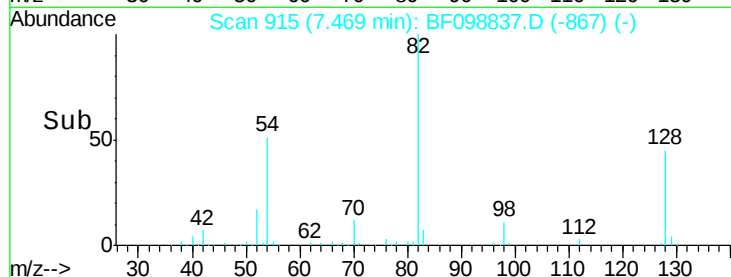
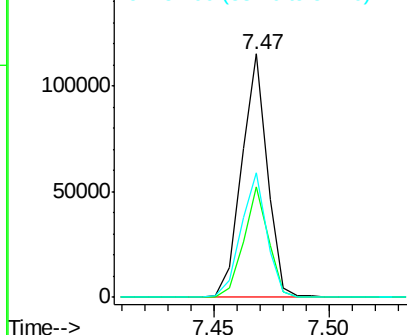
#23
Nitrobenzene-d5
Concen: 9.06 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	89263
Ion Ratio	Lower	Upper	
82	100		
128	45.3	36.1	54.1
54	51.0	41.4	62.2

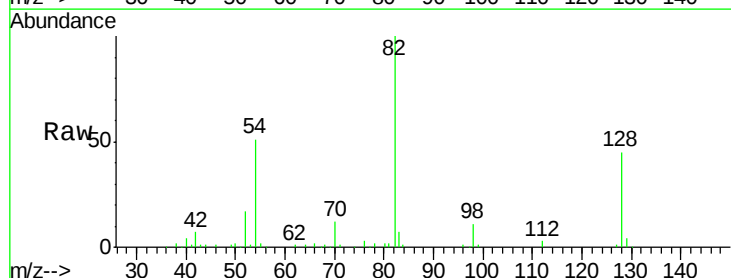


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

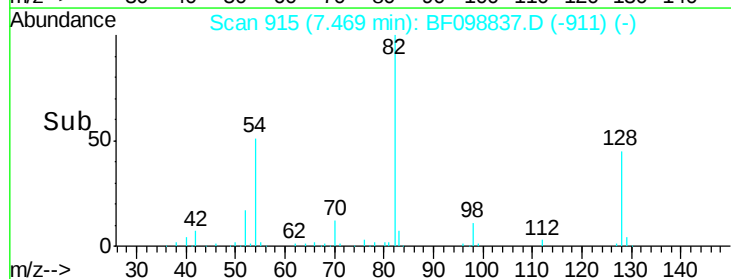
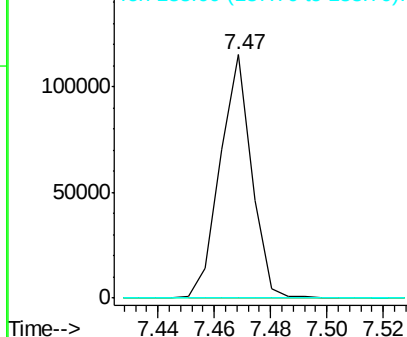


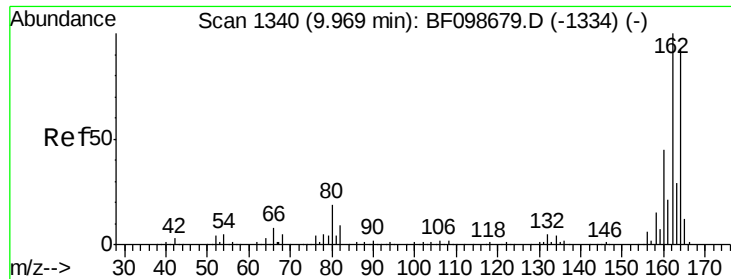
#25
Isophorone
Concen: 4.37 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.28 min
Lab File: BF098837.D
Acq: 26 Sep 2017 17:31

Tgt Ion	82	Resp	88902
Ion Ratio	Lower	Upper	
82	100		
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

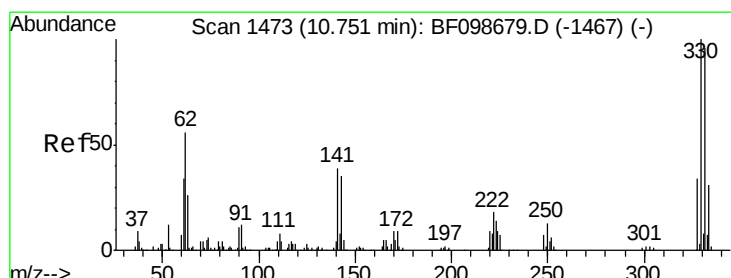
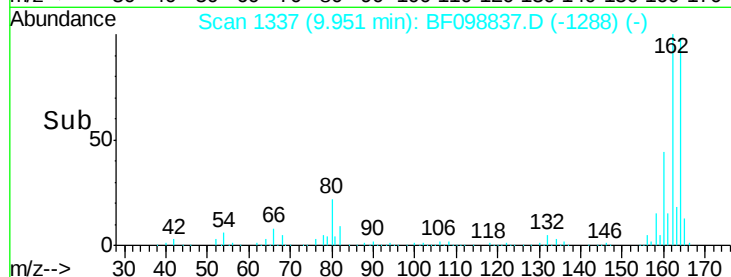
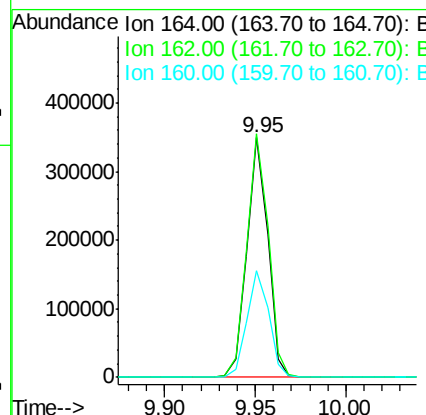
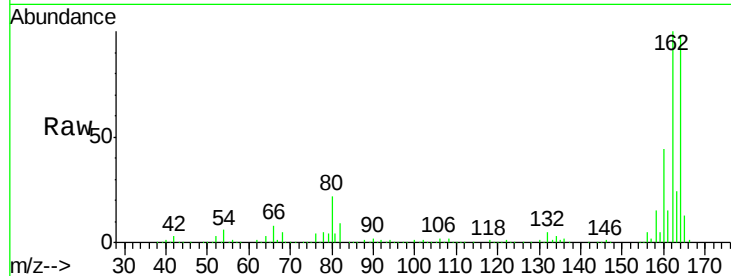




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098837.D
 Acq: 26 Sep 2017 17:31

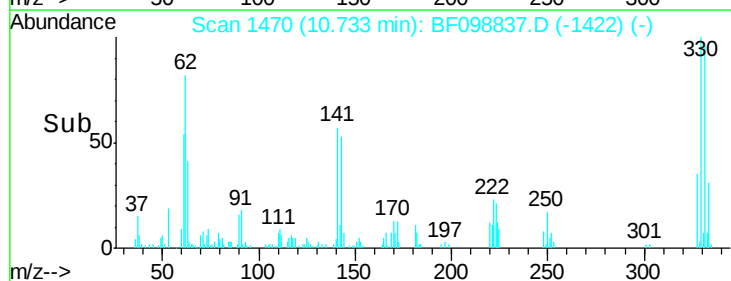
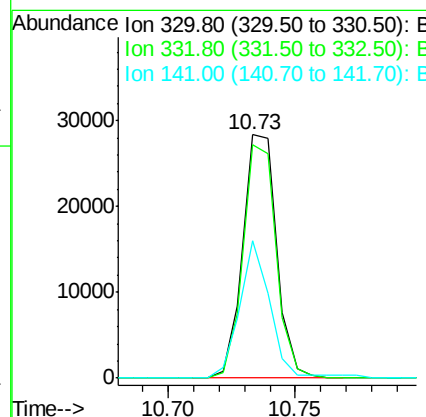
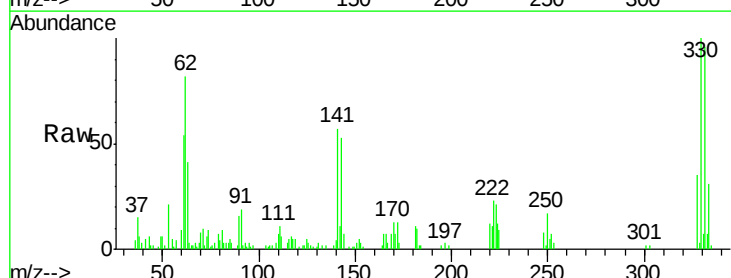
Instrument :
 BNA_F
 ClientSampleId :

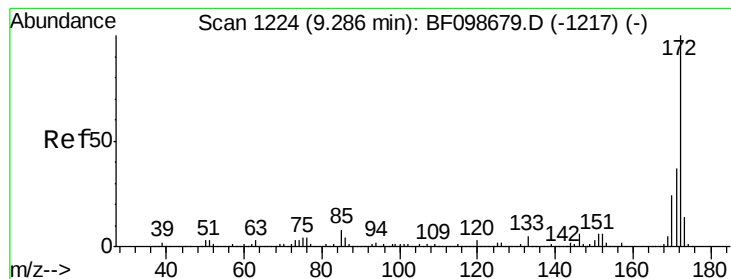
Tot Ion:164 Resp: 280207
 Ion Ratio Lower Upper
 164 100
 162 101.6 86.1 129.1
 160 44.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 11.49 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098837.D
 Acq: 26 Sep 2017 17:31

Tgt Ion:330 Resp: 26338
 Ion Ratio Lower Upper
 330 100
 332 93.5 77.0 115.6
 141 49.9 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 10.74 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

ClientSampled :

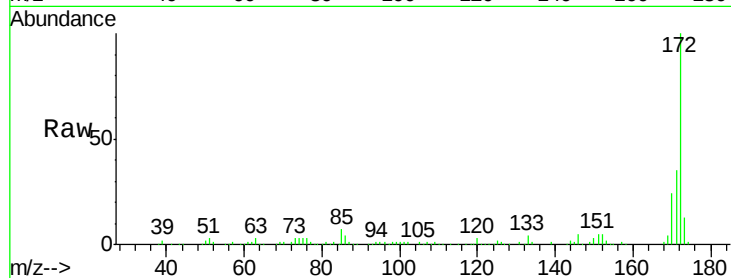
Tot Ion:172 Resp: 180193

Ion Ratio Lower Upper

172 100

171 34.9 29.7 44.5

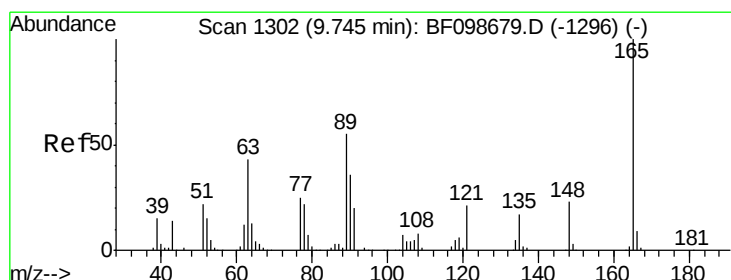
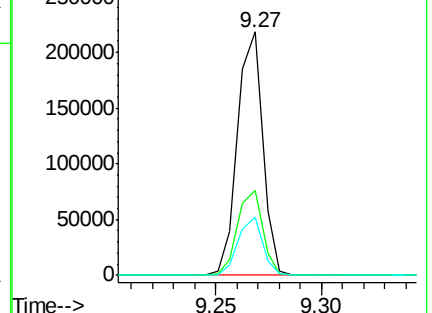
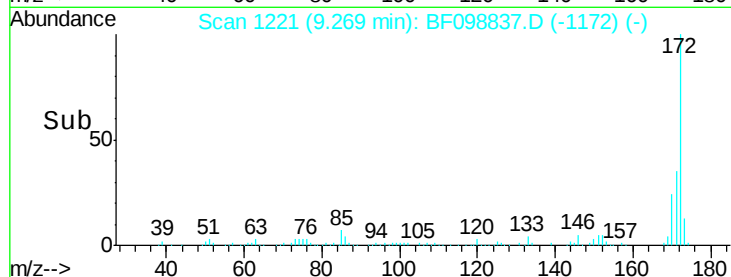
170 23.6 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 8.08 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.21 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

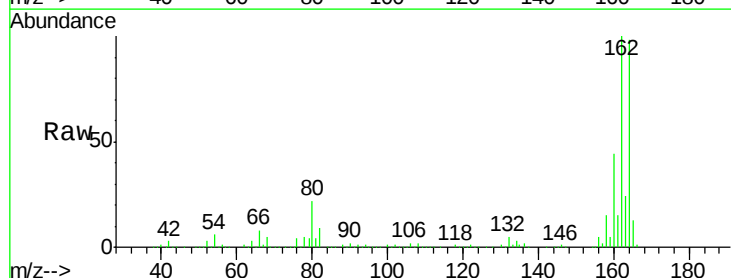
Tgt Ion:165 Resp: 37189

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

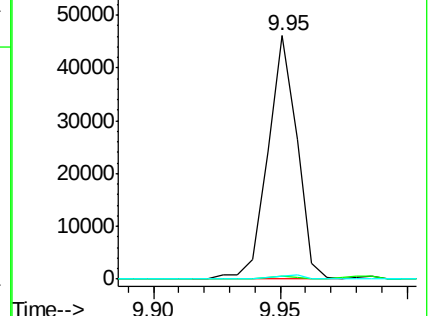
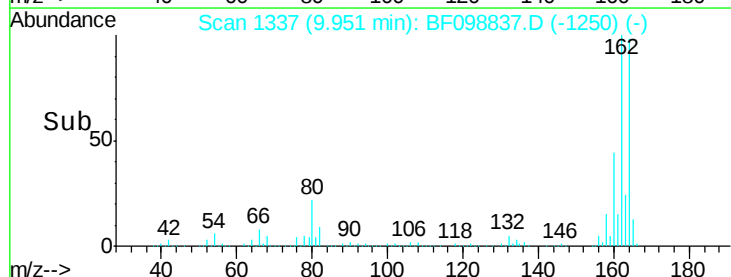
89 1.4 44.0 66.0#

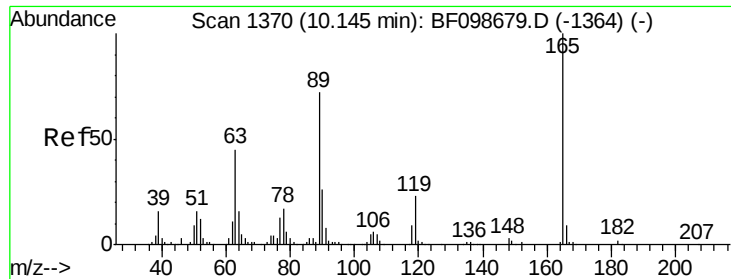


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

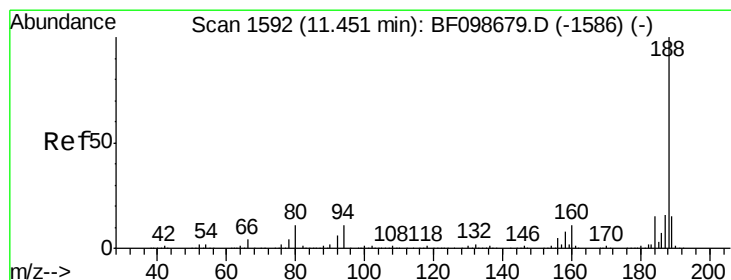
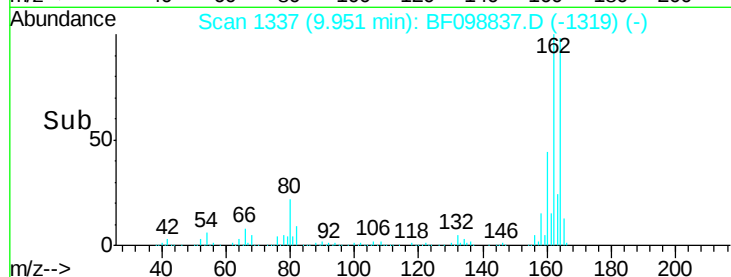
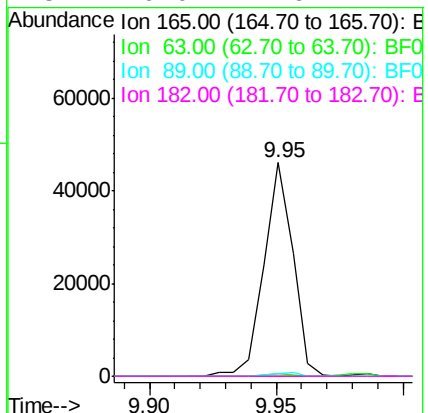
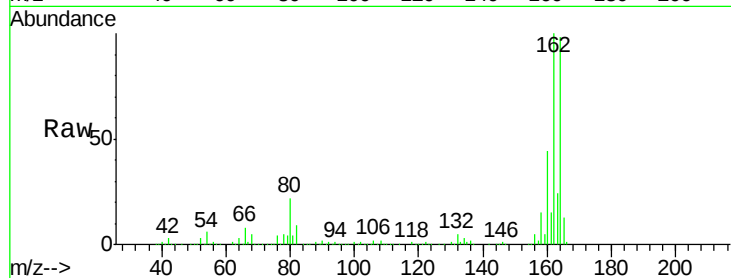




#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098837.D
 Acq: 26 Sep 2017 17:31

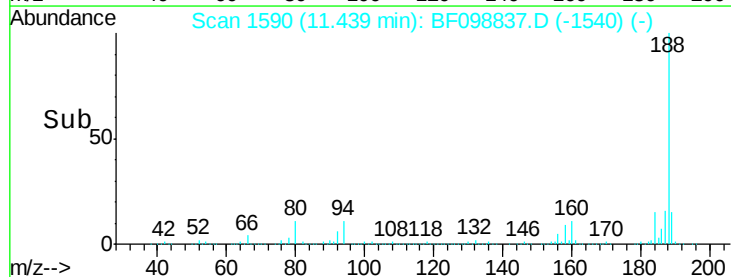
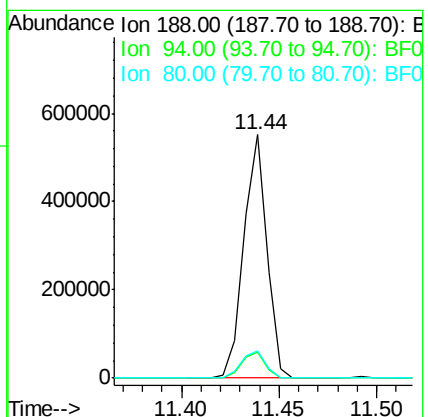
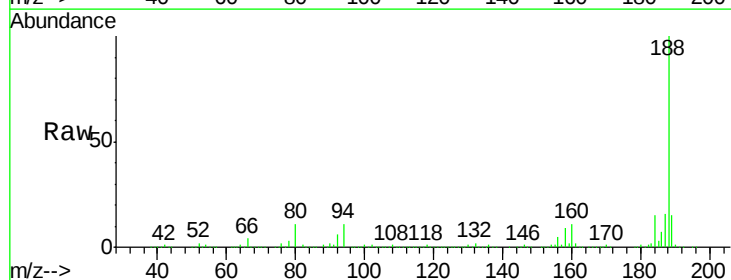
Instrument :
 BNA_F
 ClientSampleId :

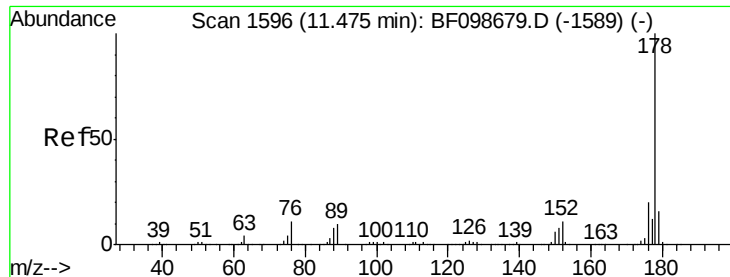
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098837.D
 Acq: 26 Sep 2017 17:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.5	9.2	13.8





#70

Phenanthrene

Concen: 2.70 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

ClientSampleId :

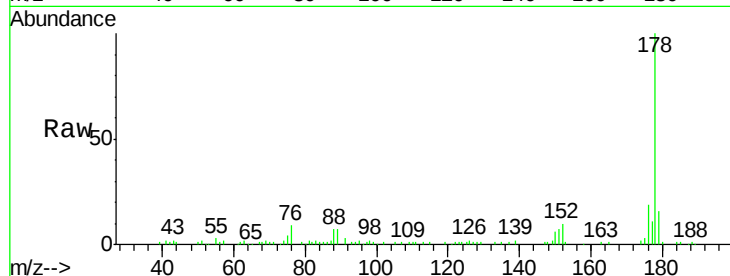
Tot Ion:178 Resp: 65539

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

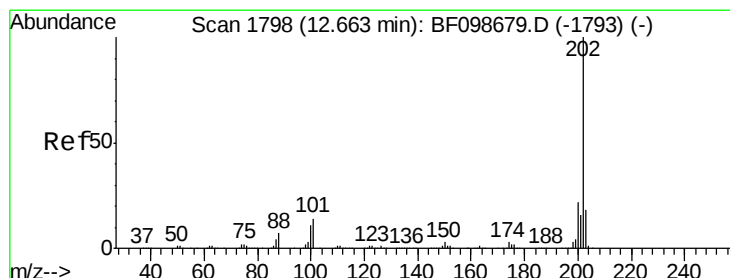
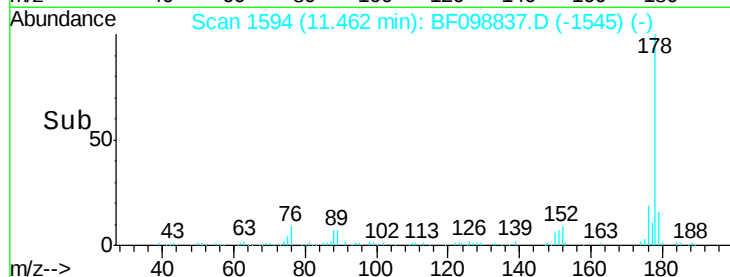
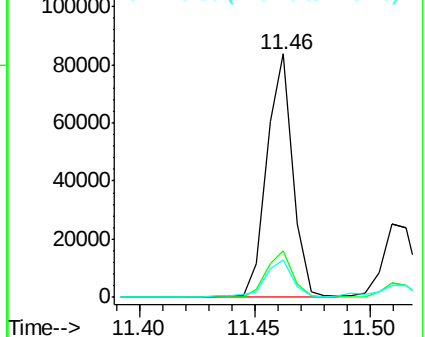
179 15.6 13.0 19.6



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: 3.87 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

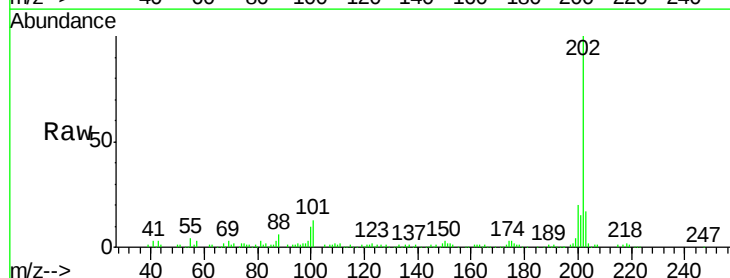
Tgt Ion:202 Resp: 94870

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.1

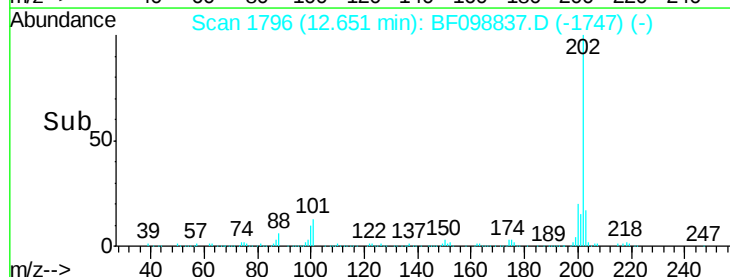
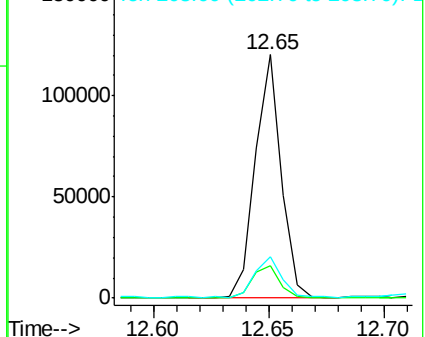
203 17.1 0.0 38.1

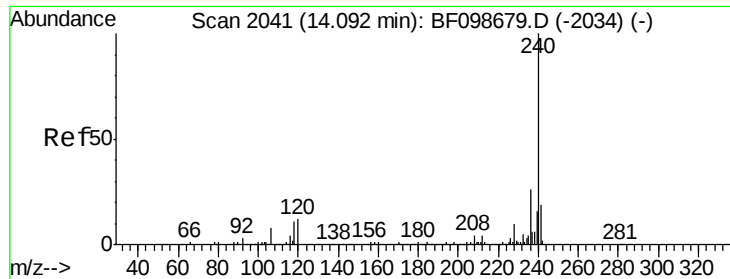


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

ClientSampleId :

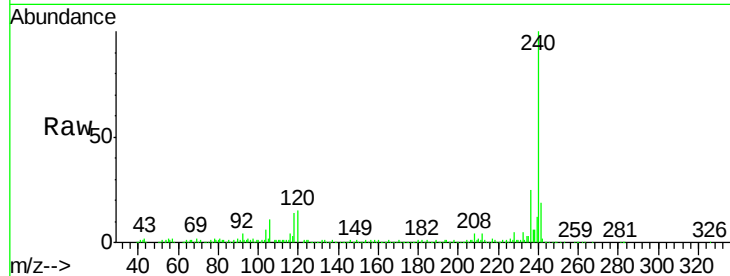
Tot Ion:240 Resp: 278502

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

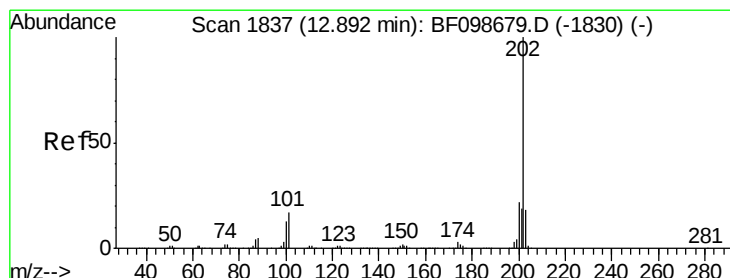
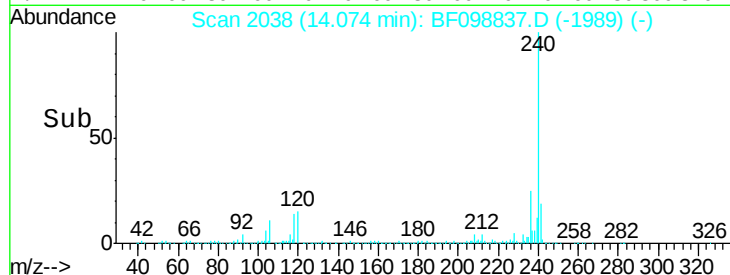
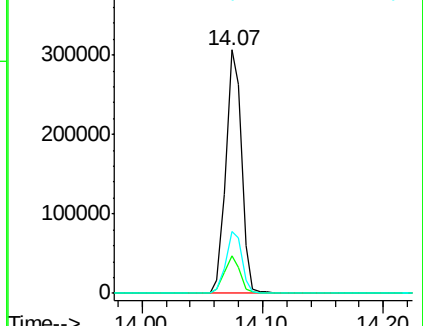
236 25.2 20.7 31.1



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: 3.83 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

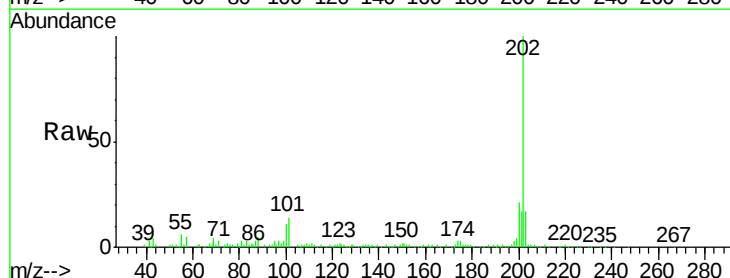
Tgt Ion:202 Resp: 81364

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

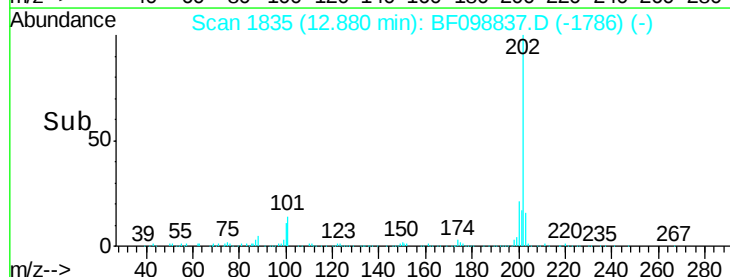
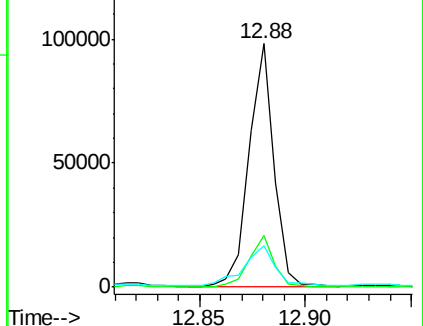
203 16.8 14.3 21.5

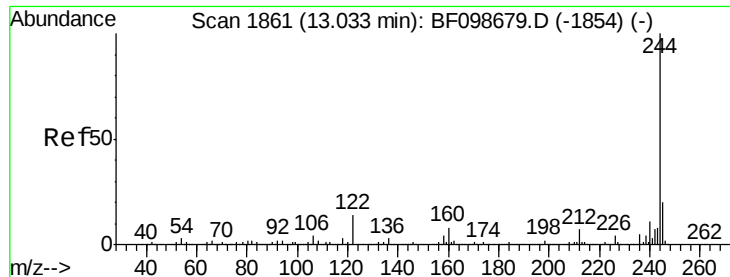


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

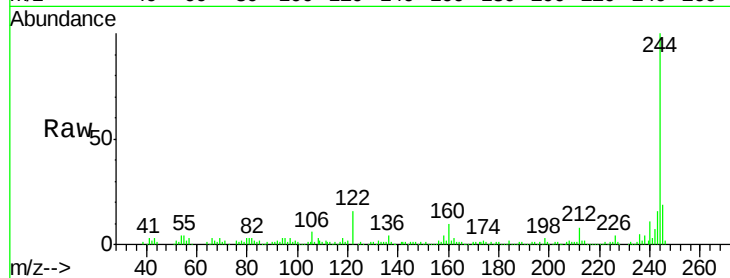




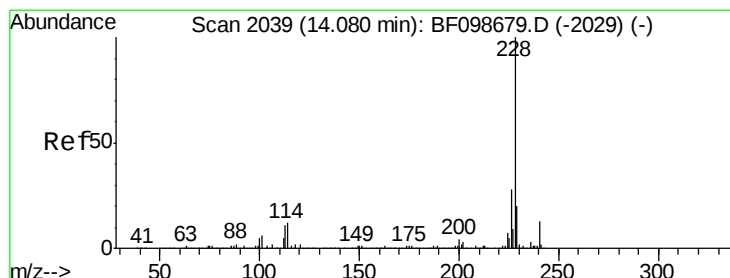
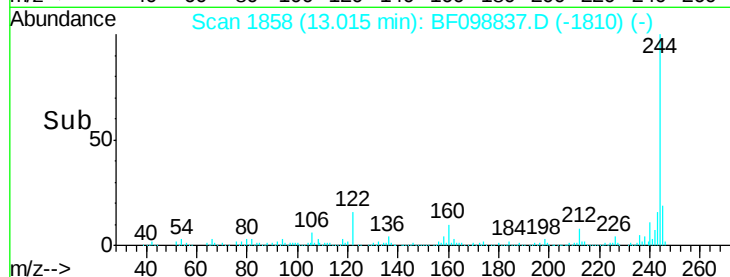
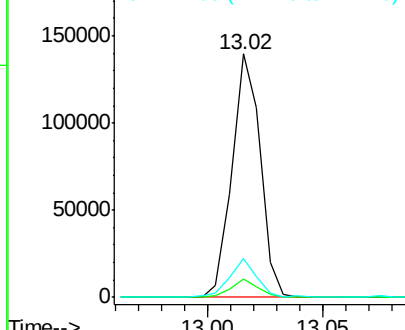
#78
 Terphenyl-d14
 Concen: 9.72 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. -0.02 min
 Lab File: BF098837.D
 Acq: 26 Sep 2017 17:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 118993
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.0
 122 15.7 11.0 16.4

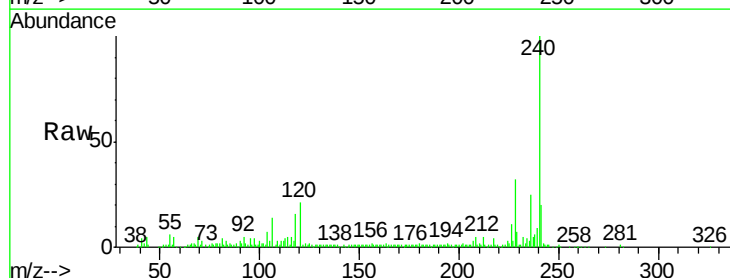


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

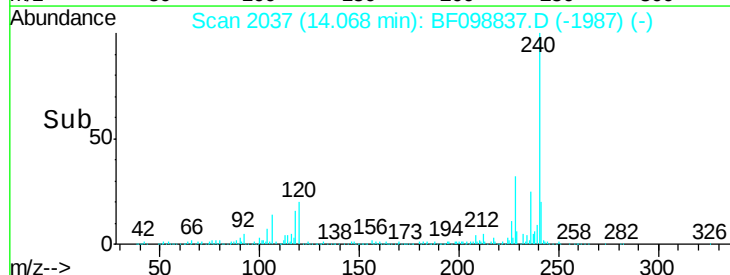
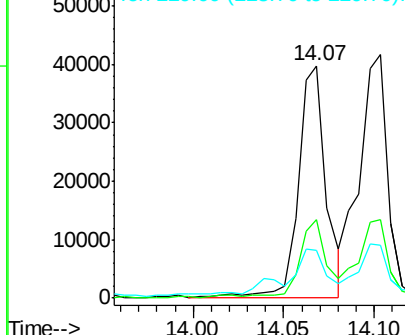


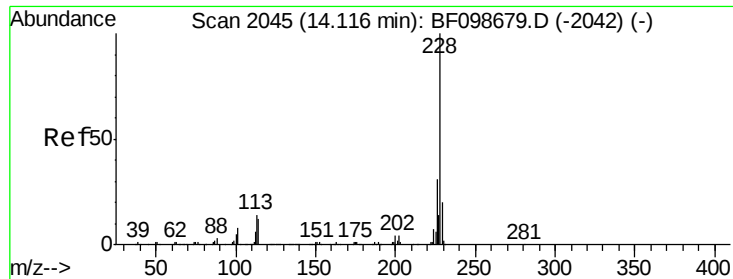
#80
 Benzo(a)anthracene
 Concen: 2.55 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF098837.D
 Acq: 26 Sep 2017 17:31

Tgt Ion:228 Resp: 43040
 Ion Ratio Lower Upper
 228 100
 226 33.7 22.6 33.8
 229 20.3 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

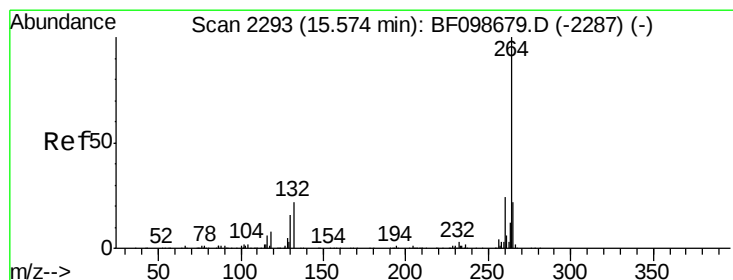
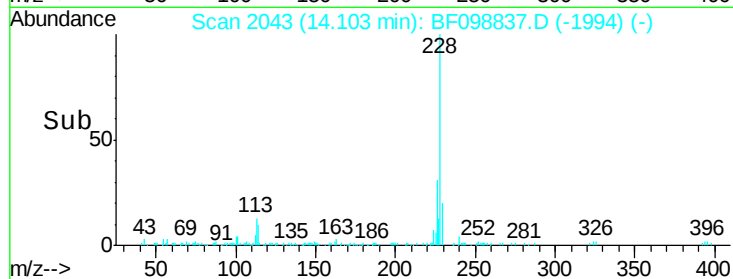
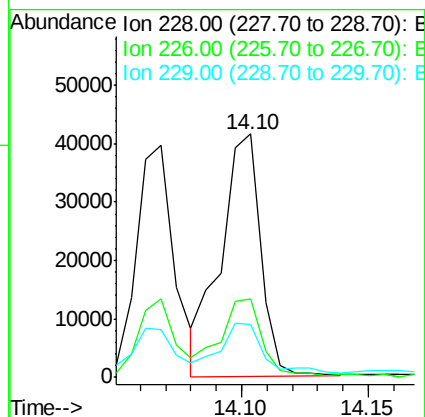
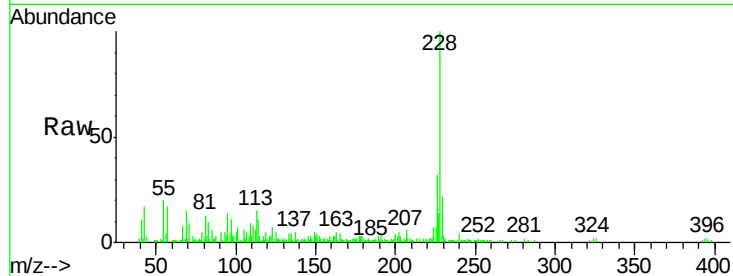




#82
 Chrysene
 Concen: 2.85 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BF098837.D
 Acq: 26 Sep 2017 17:31

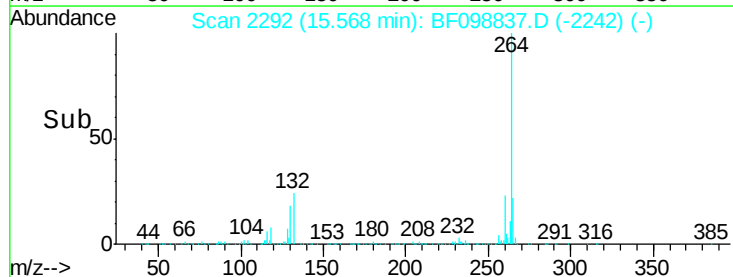
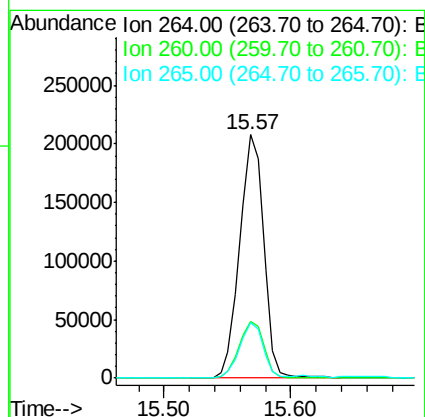
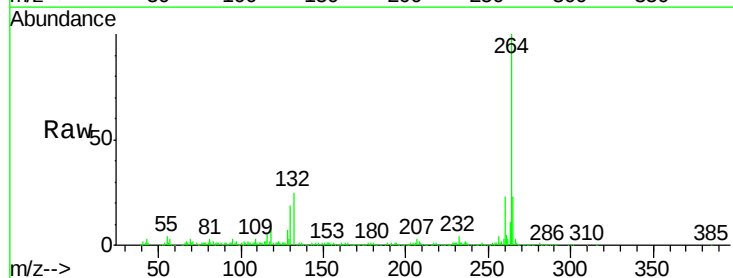
Instrument :
 BNA_F
 ClientSampled :

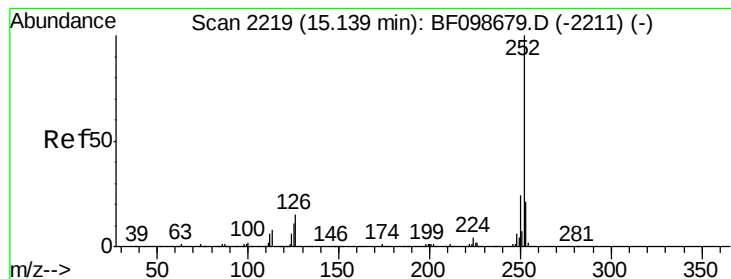
Tot Ion:228 Resp: 45824
 Ion Ratio Lower Upper
 228 100
 226 32.0 25.0 37.6
 229 21.7 16.2 24.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF098837.D
 Acq: 26 Sep 2017 17:31

Tgt Ion:264 Resp: 272601
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 22.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.94 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

ClientSampleId :

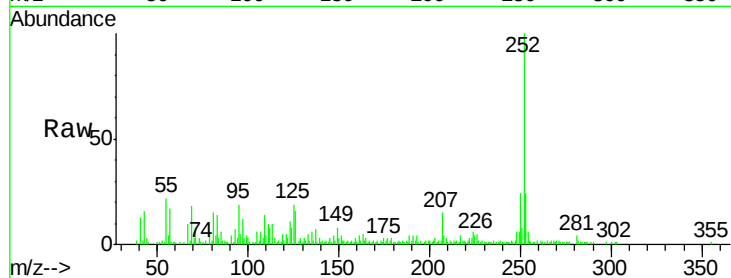
Tot Ion:252 Resp: 82865

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.6

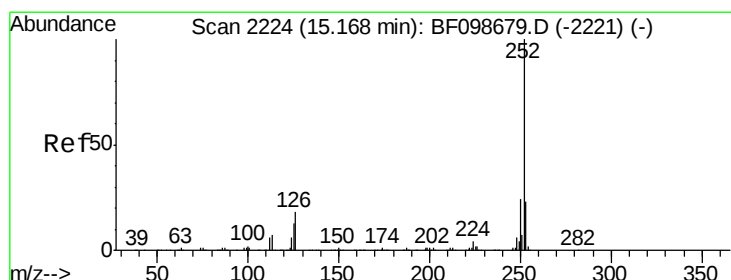
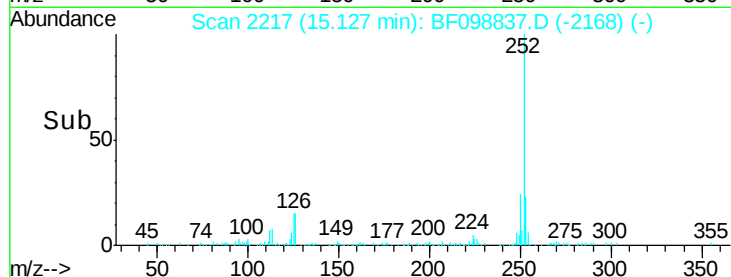
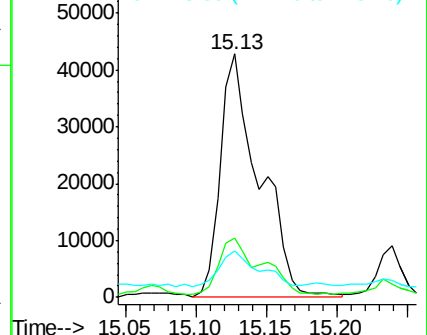
125 19.1 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 5.01 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.04 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

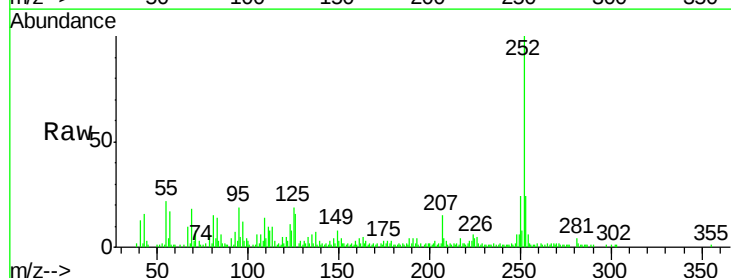
Tgt Ion:252 Resp: 82865

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

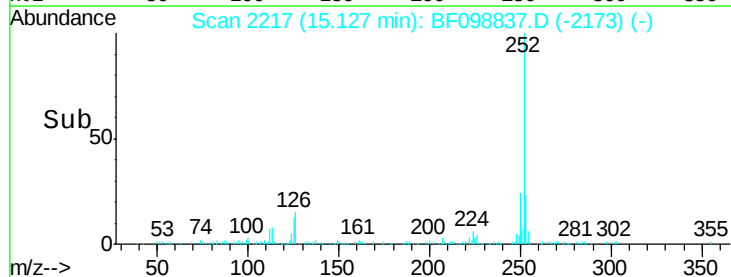
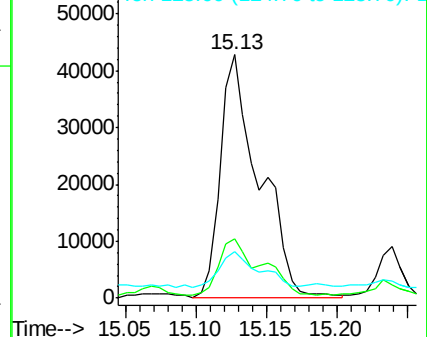
125 19.1 10.2 15.2#

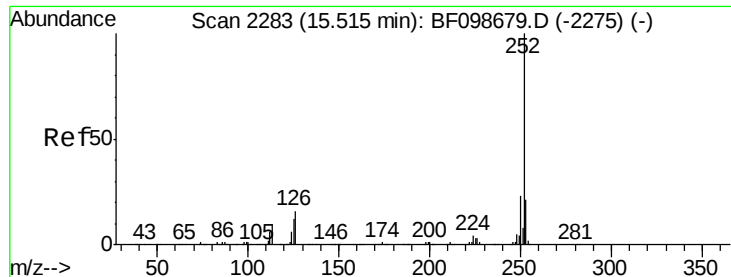


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.18 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.02 min

Lab File: BF098837.D

Acq: 26 Sep 2017 17:31

Instrument :

BNA_F

ClientSampleId :

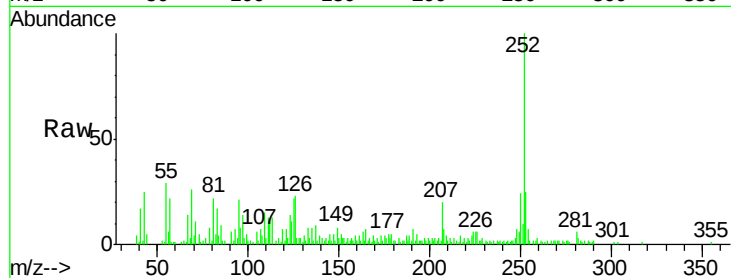
Tot Ion: 252 Resp: 33488

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

125 22.0 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

