

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098853.D
 Acq On : 27 Sep 2017 10:33
 Operator : SJ/JU
 Sample : I5363-05RE 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:45:58 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

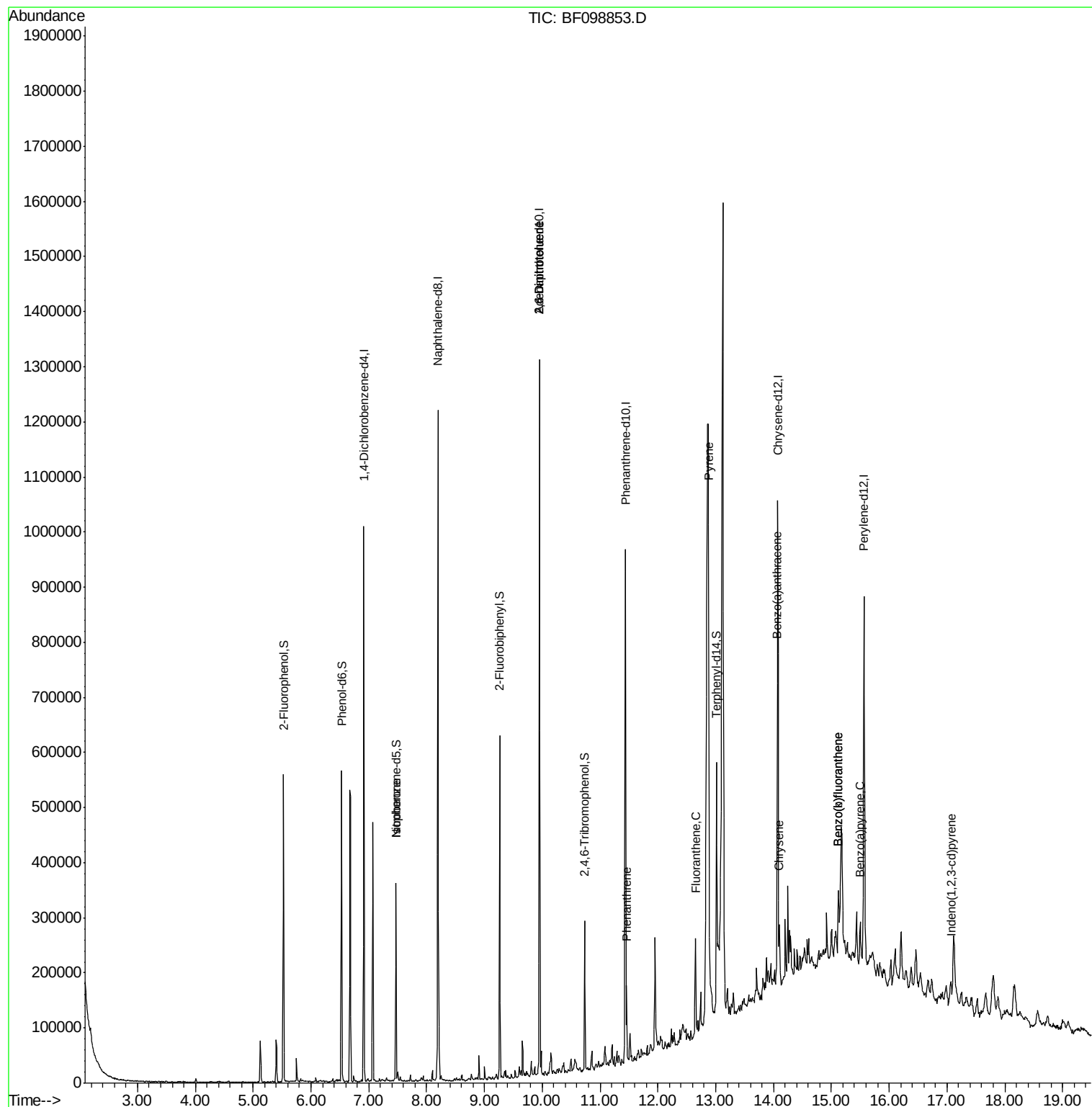
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	146546	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	581124	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	230914	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	324736	20.00	ng	0.00
75) Chrysene-d12	14.07	240	259579	20.00	ng	-0.01
86) Perylene-d12	15.57	264	288856	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	136639	14.84	ng	-0.02
7) Phenol-d6	6.53	99	160878	14.17	ng	-0.02
23) Nitrobenzene-d5	7.47	82	95067	10.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	21901	11.59	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	184002	13.30	ng	-0.01
78) Terphenyl-d14	13.02	244	106518	9.33	ng	-0.02
Target Compounds						
25) Isophorone	7.47	82	94573	5.05	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	29556	7.79	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	29556	6.00	ng	# 23
70) Phenanthrene	11.46	178	43075	2.48	ng	99
74) Fluoranthene	12.65	202	62712	3.56	ng	97
77) Pyrene	12.88	202	56443	2.85	ng	97
80) Benzo(a)anthracene	14.06	228	36520	2.32	ng	97
82) Chrysene	14.10	228	38142	2.55	ng	96
85) Indeno(1,2,3-cd)pyrene	17.06	276	26893	2.25	ng	97
87) Benzo(b)fluoranthene	15.13	252	76174	4.29	ng	# 92
88) Benzo(k)fluoranthene	15.13	252	76174	4.34	ng	# 94
89) Benzo(a)pyrene	15.50	252	33161	2.03	ng	# 90

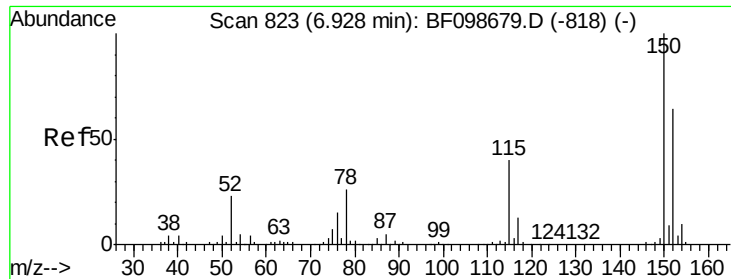
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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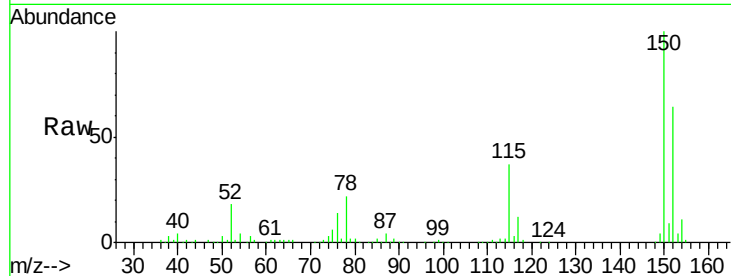


#1

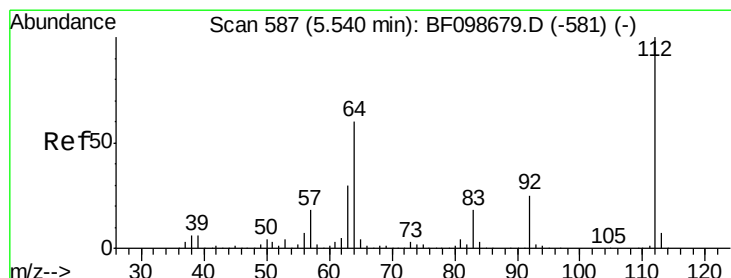
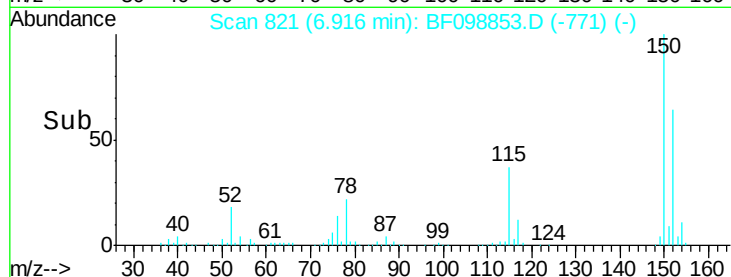
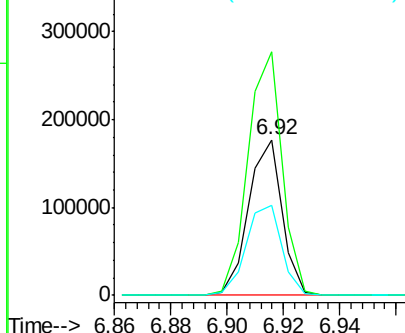
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098853.D
Acq: 27 Sep 2017 10:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146546
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 58.2 50.1 75.1



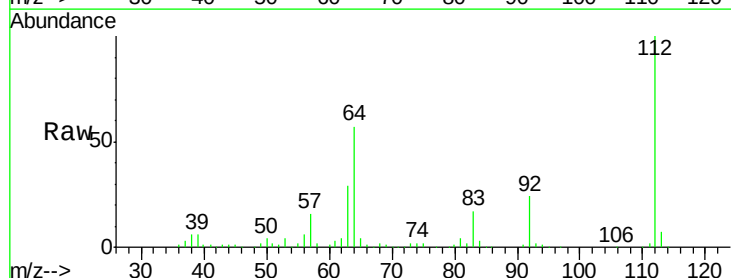
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



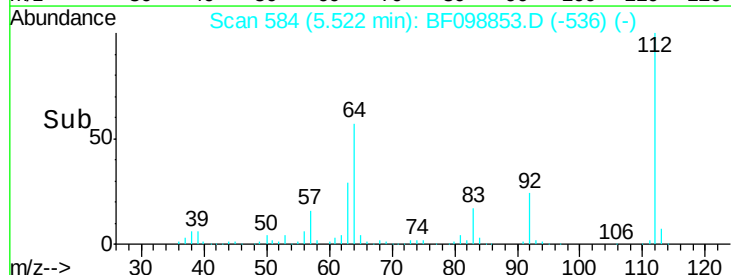
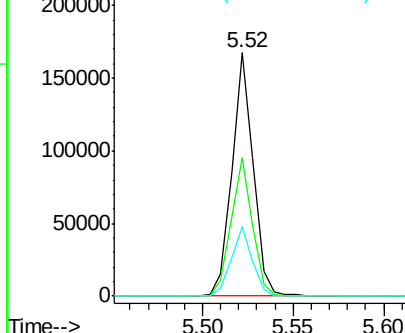
#5

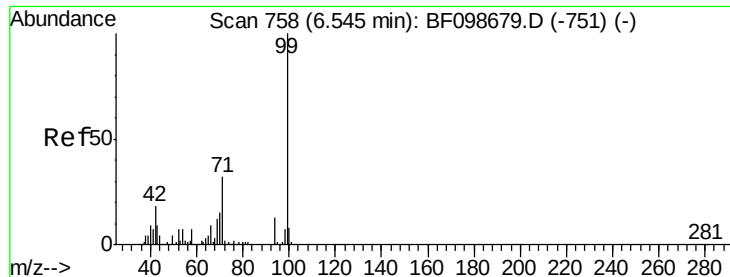
2-Fluorophenol
Concen: 14.84 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098853.D
Acq: 27 Sep 2017 10:33

Tgt Ion:112 Resp: 136639
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 28.5 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: 14.17 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098853.D

Acq: 27 Sep 2017 10:33

Instrument :

BNA_F

ClientSampleId :

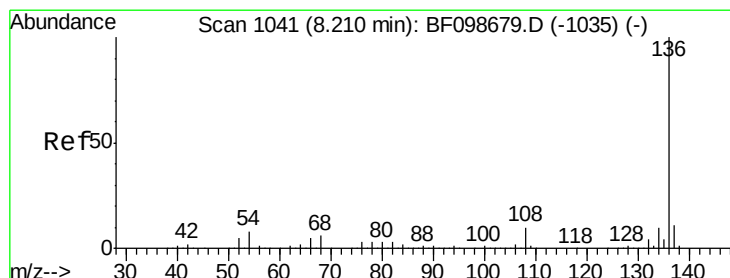
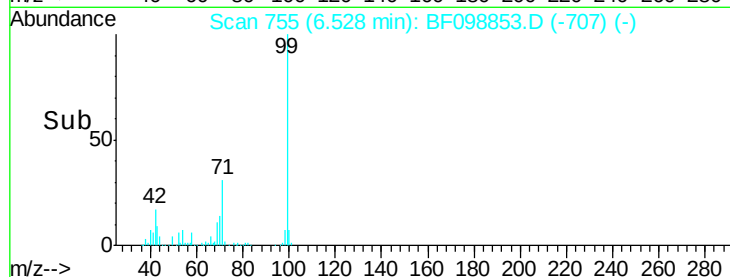
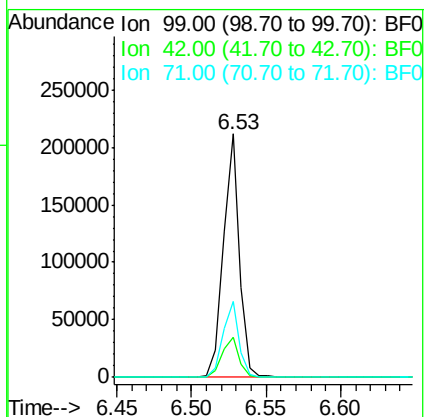
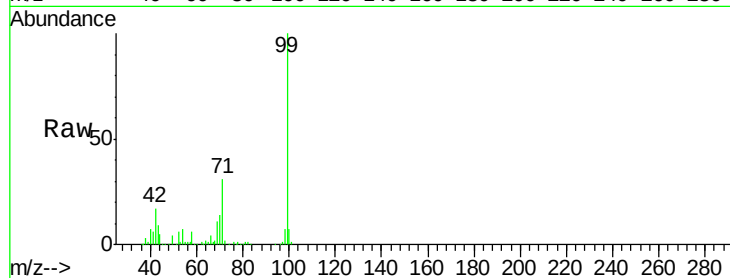
Tot Ion: 99 Resp: 160878

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 31.2 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: BF098853.D

Acq: 27 Sep 2017 10:33

Tgt Ion: 136 Resp: 581124

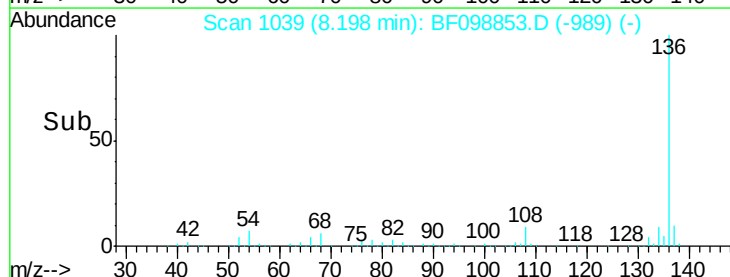
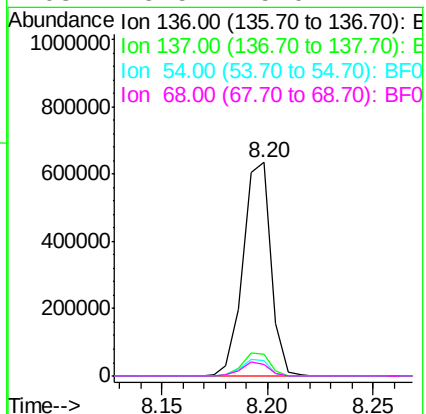
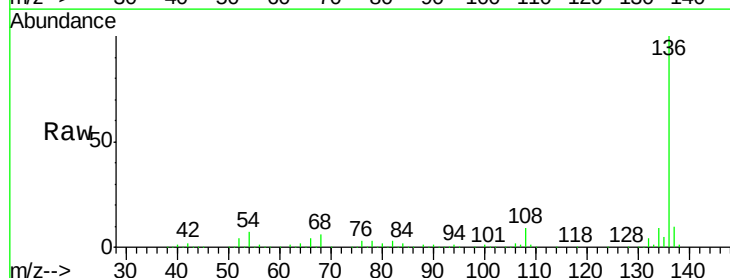
Ion Ratio Lower Upper

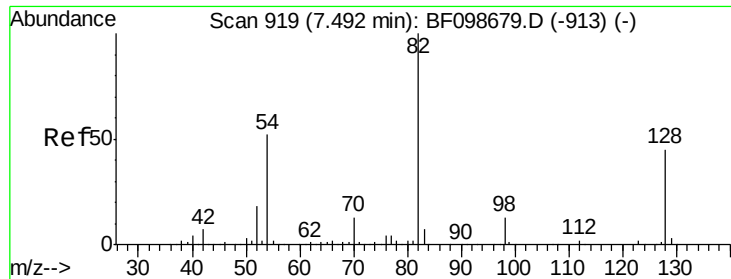
136 100

137 10.4 8.9 13.3

54 6.9 6.6 9.8

68 5.5 5.0 7.4

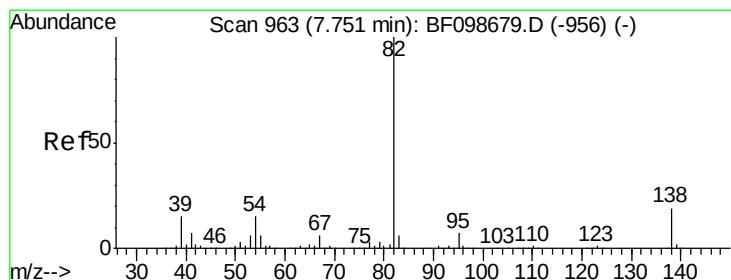
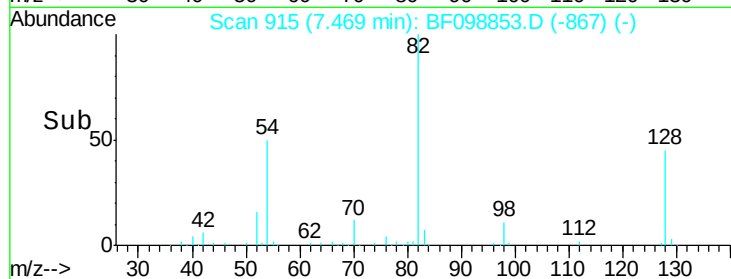
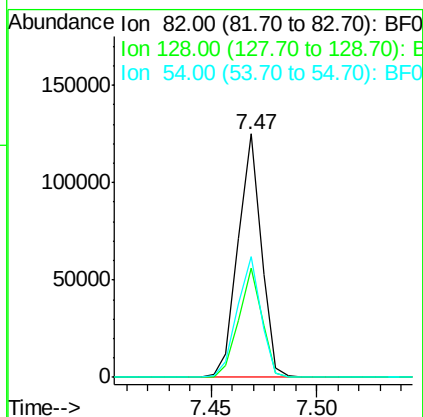
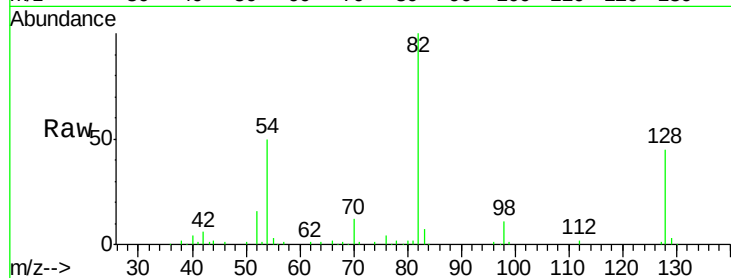




#23
 Nitrobenzene-d5
 Concen: 10.49 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098853.D
 Acq: 27 Sep 2017 10:33

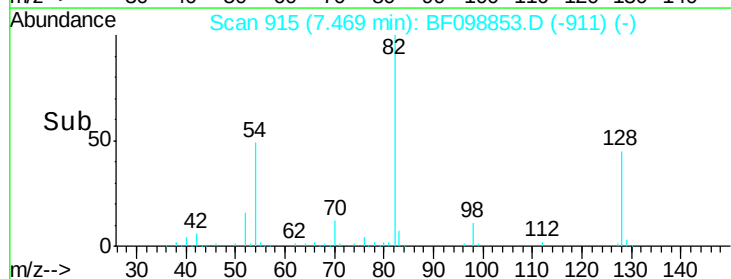
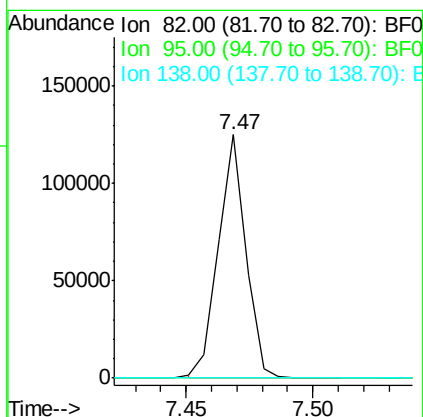
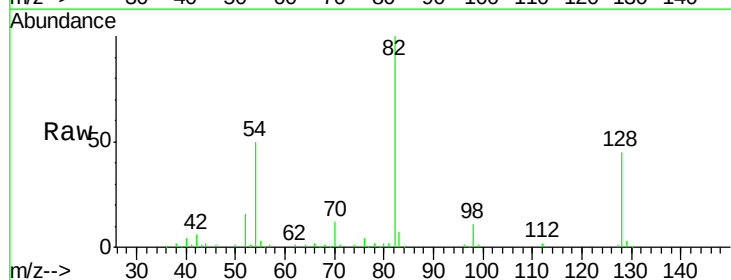
Instrument :
 BNA_F
 ClientSampleId :

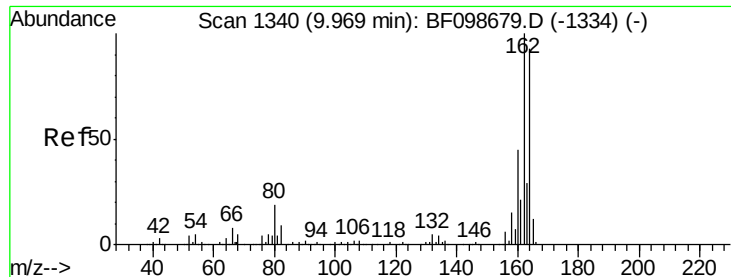
Tot Ion: 82 Resp: 95067
 Ion Ratio Lower Upper
 82 100
 128 44.7 36.1 54.1
 54 49.6 41.4 62.2



#25
 Isophorone
 Concen: 5.05 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.28 min
 Lab File: BF098853.D
 Acq: 27 Sep 2017 10:33

Tgt Ion: 82 Resp: 94573
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

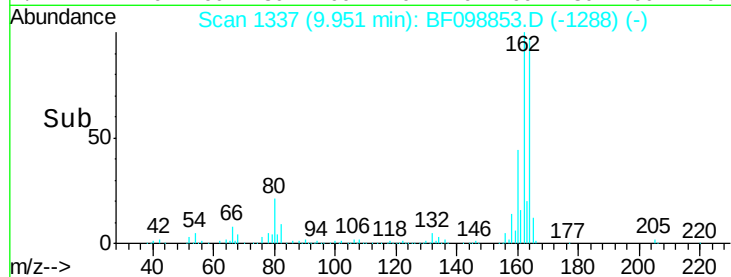
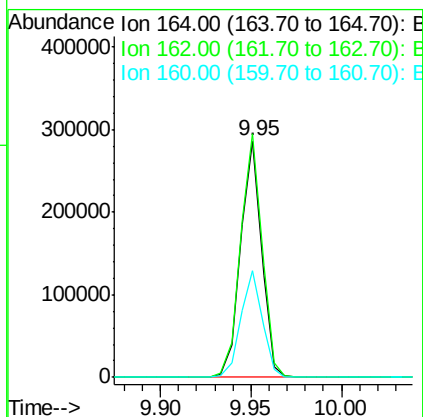
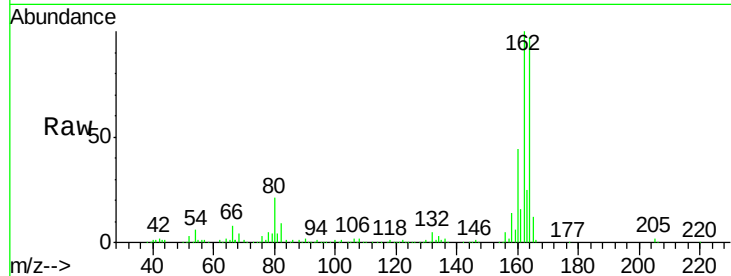




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098853.D
Acq: 27 Sep 2017 10:33

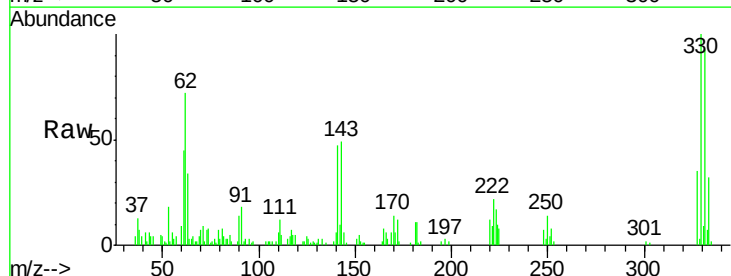
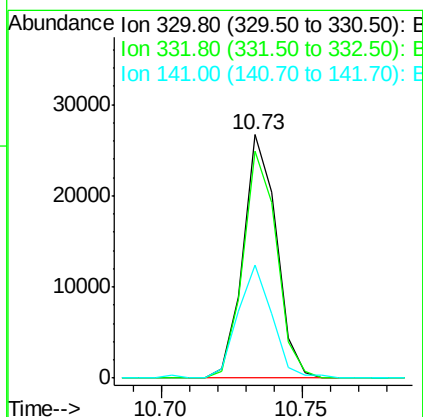
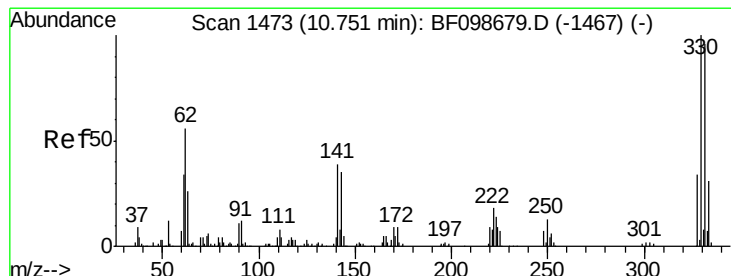
Instrument :
BNA_F
ClientSampleId :

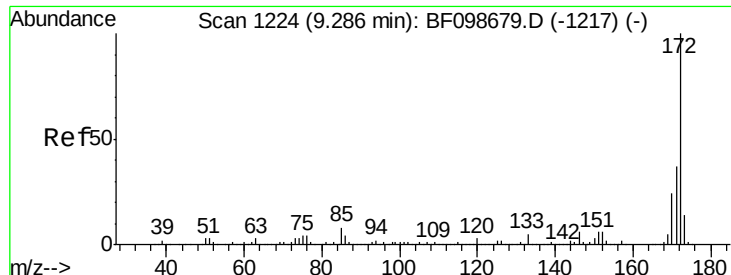
Tot Ion:164 Resp: 230914
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 45.1 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 11.59 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.02 min
Lab File: BF098853.D
Acq: 27 Sep 2017 10:33

Tgt Ion:330 Resp: 21901
Ion Ratio Lower Upper
330 100
332 93.7 77.0 115.6
141 48.4 29.9 44.9#

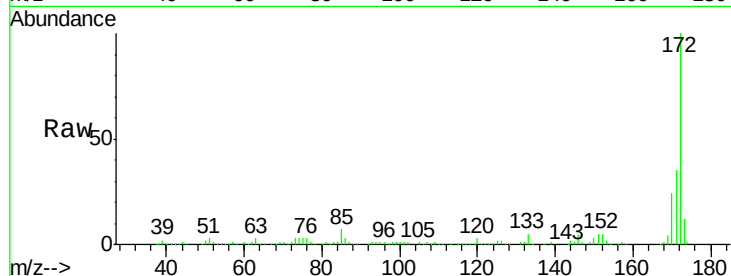




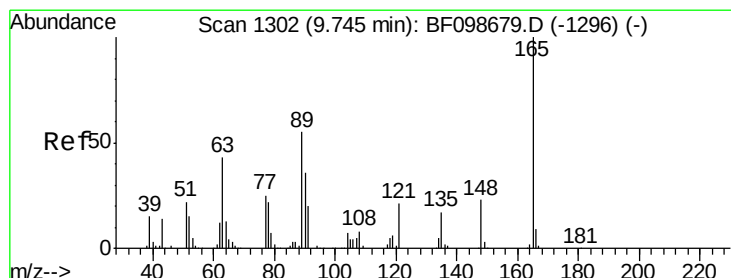
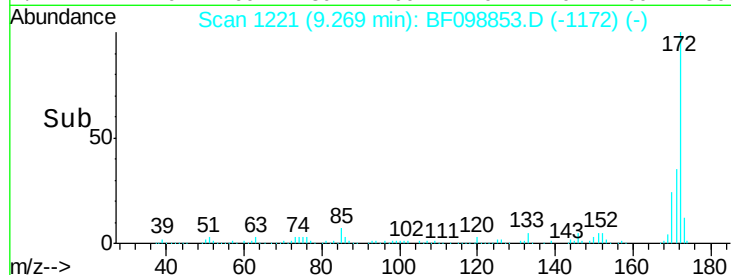
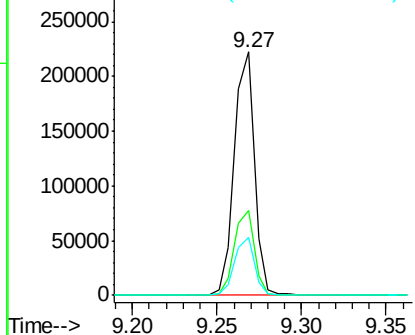
#44
 2-Fluorobiphenyl
 Concen: 13.30 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098853.D
 Acq: 27 Sep 2017 10:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 184002
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 23.9 19.6 29.4

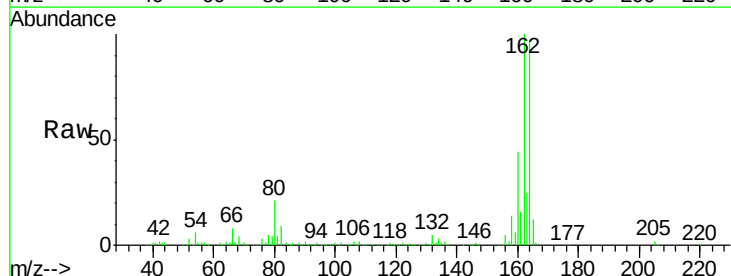


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

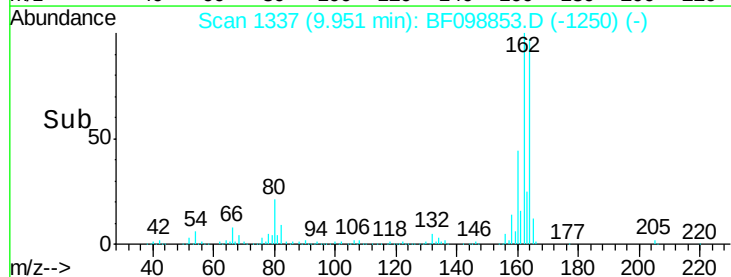
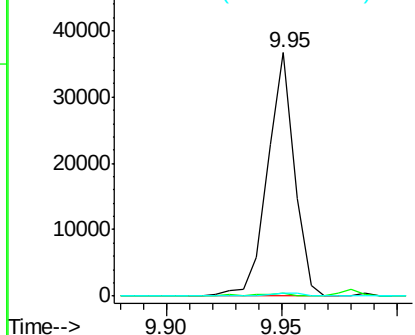


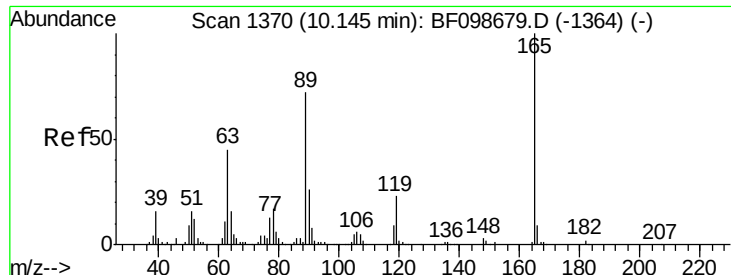
#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098853.D
 Acq: 27 Sep 2017 10:33

Tgt Ion:165 Resp: 29556
 Ion Ratio Lower Upper
 165 100
 63 1.1 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

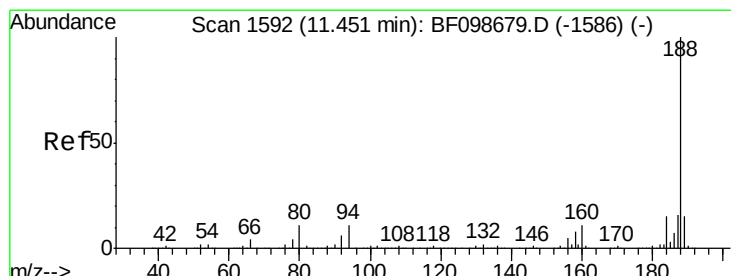
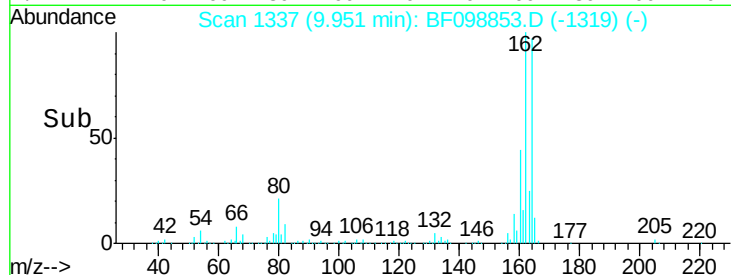
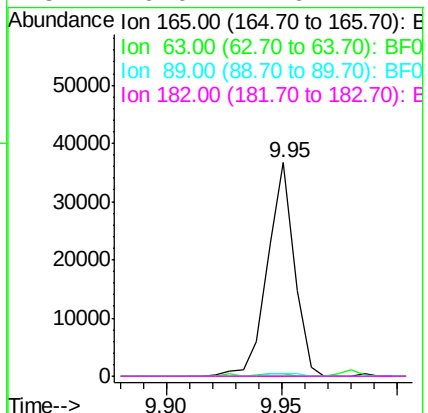
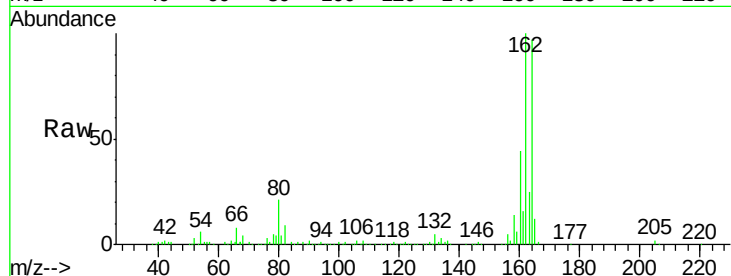




#56
 2,4-Dinitrotoluene
 Concen: 6.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098853.D
 Acq: 27 Sep 2017 10:33

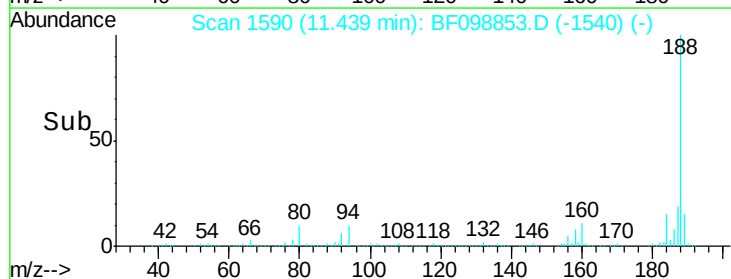
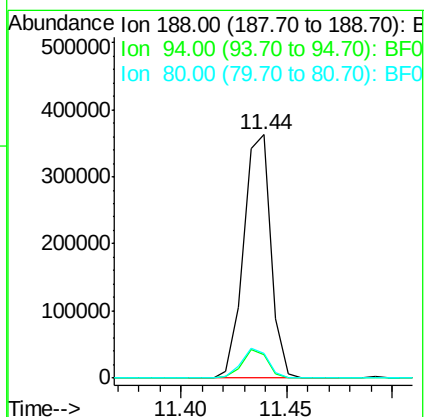
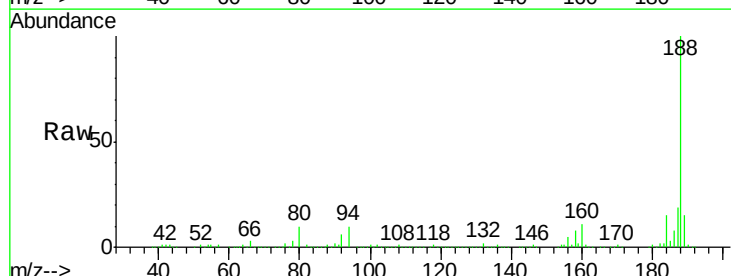
Instrument :
 BNA_F
 ClientSampleId :

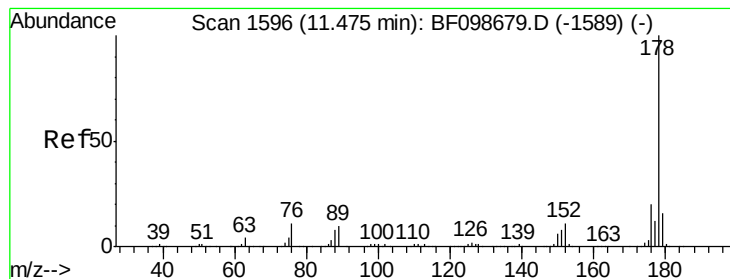
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098853.D
 Acq: 27 Sep 2017 10:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.2	9.2	13.8





#70

Phenanthrene

Concen: 2.48 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF098853.D

Acq: 27 Sep 2017 10:33

Instrument :

BNA_F

ClientSampleId :

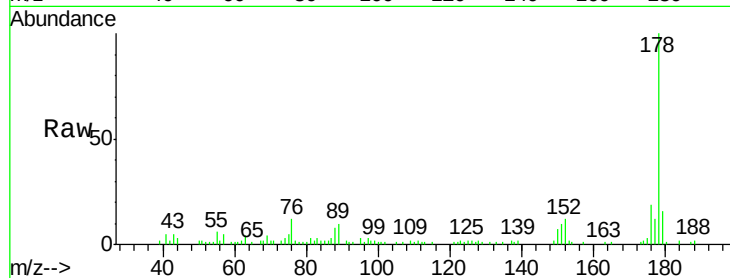
Tot Ion:178 Resp: 43075

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

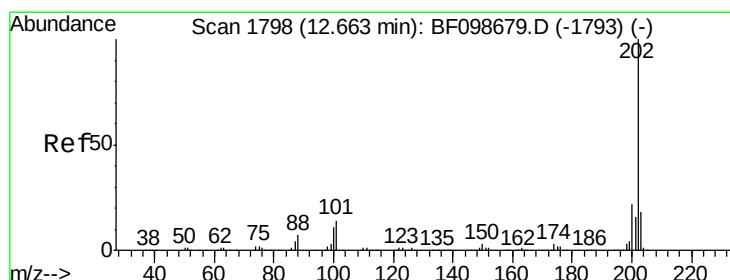
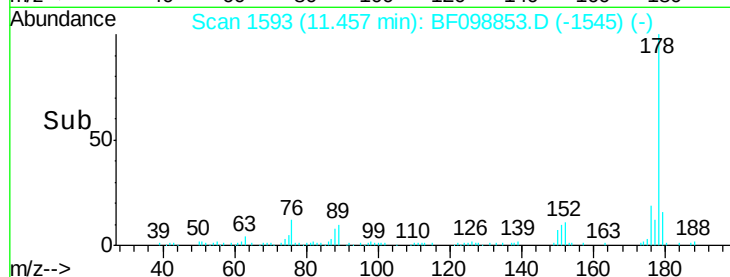
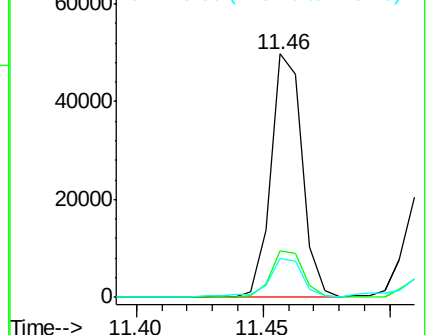
179 15.8 13.0 19.6



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: 3.56 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098853.D

Acq: 27 Sep 2017 10:33

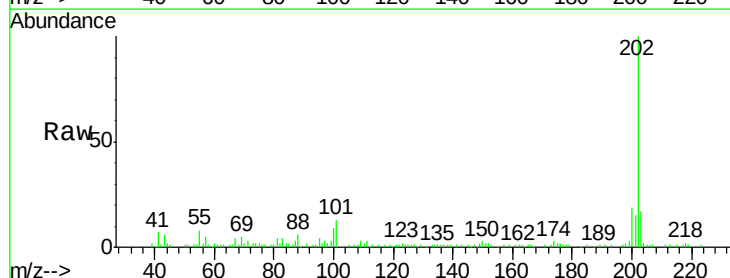
Tgt Ion:202 Resp: 62712

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

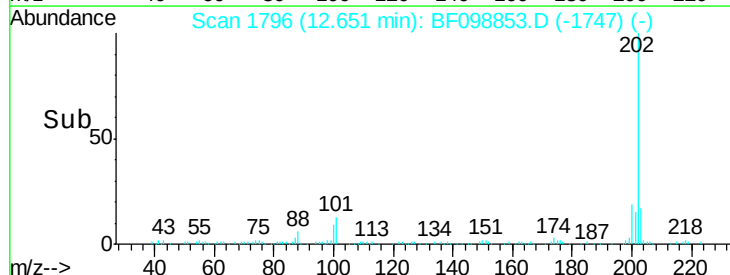
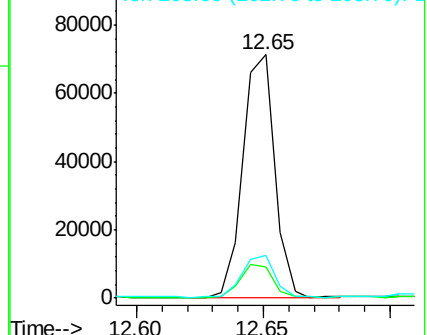
203 17.3 0.0 38.1

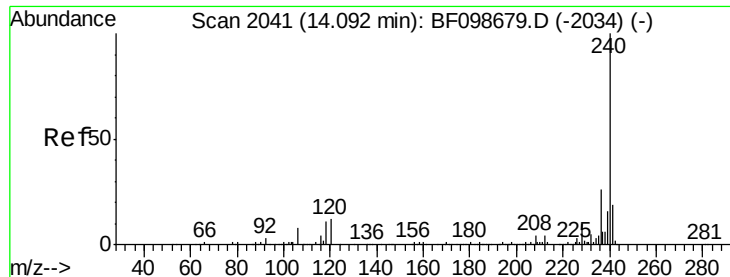


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF098853.D

Acq: 27 Sep 2017 10:33

Instrument :

BNA_F

ClientSampleId :

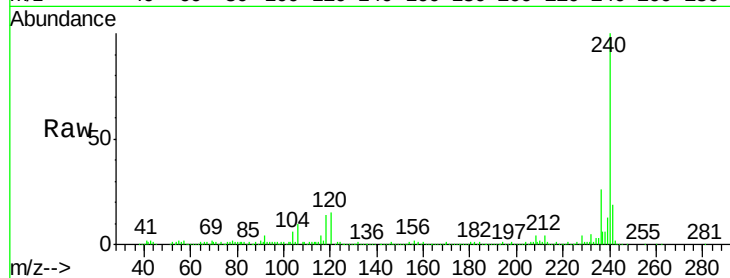
Tot Ion:240 Resp: 259579

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

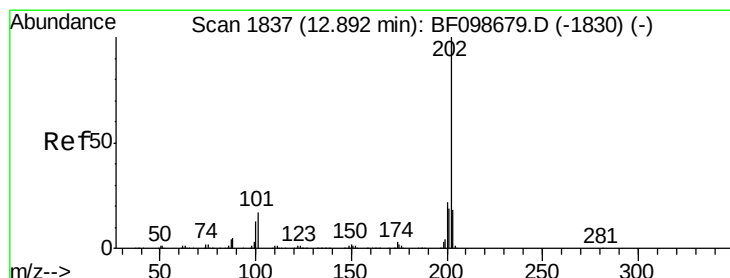
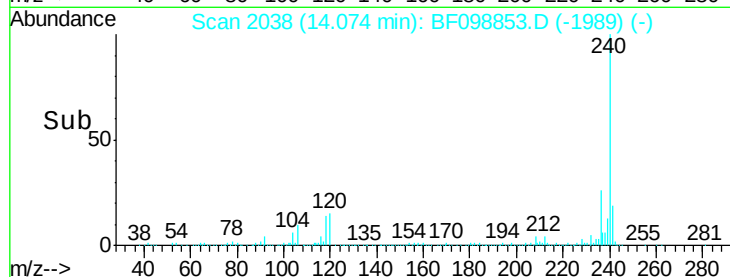
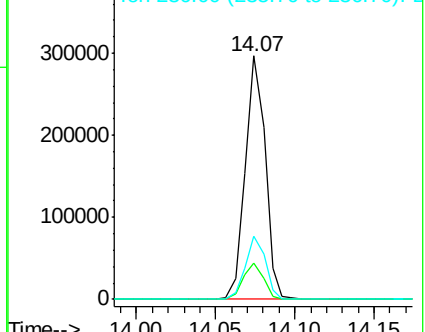
236 26.0 20.7 31.1



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: 2.85 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098853.D

Acq: 27 Sep 2017 10:33

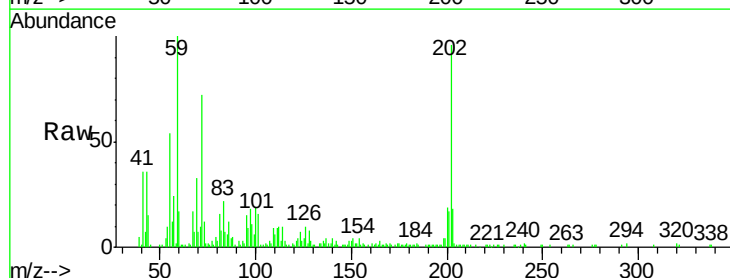
Tgt Ion:202 Resp: 56443

Ion Ratio Lower Upper

202 100

200 19.5 17.4 26.2

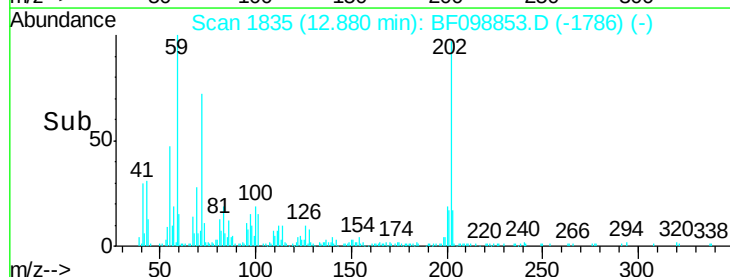
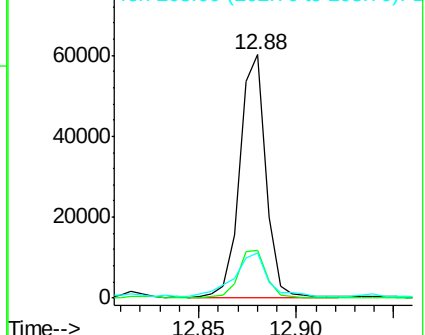
203 18.4 14.3 21.5

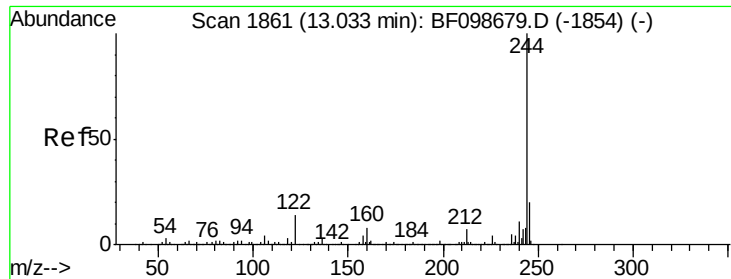


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.33 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098853.D

Acq: 27 Sep 2017 10:33

Instrument :

BNA_F

ClientSampleId :

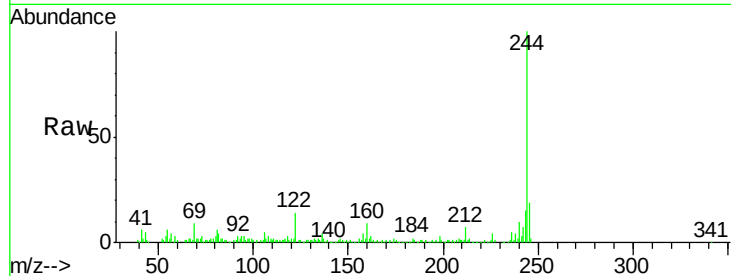
Tot Ion:244 Resp: 106518

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

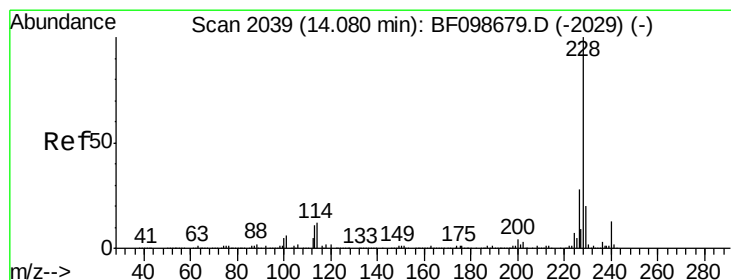
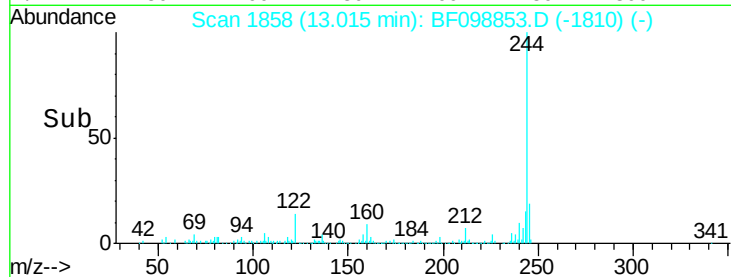
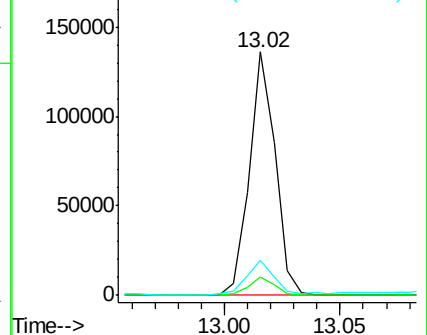
122 14.2 11.0 16.4



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: 2.32 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF098853.D

Acq: 27 Sep 2017 10:33

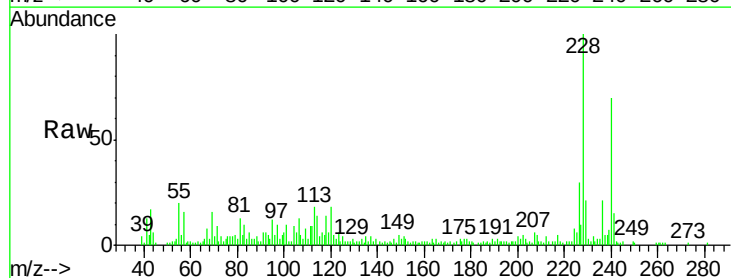
Tgt Ion:228 Resp: 36520

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

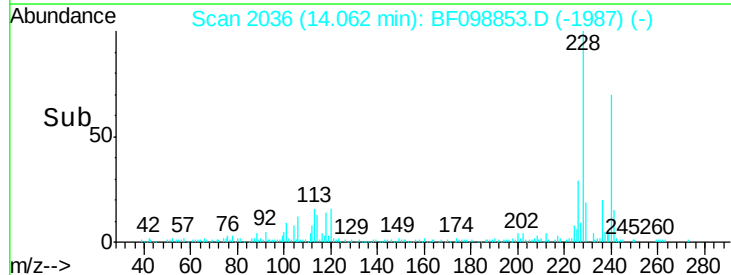
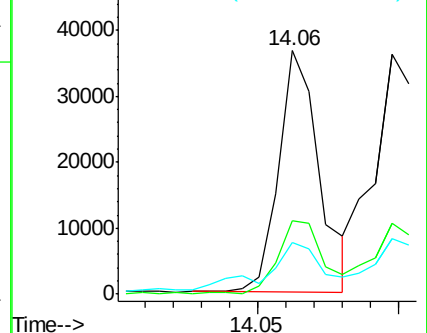
229 21.0 15.8 23.6

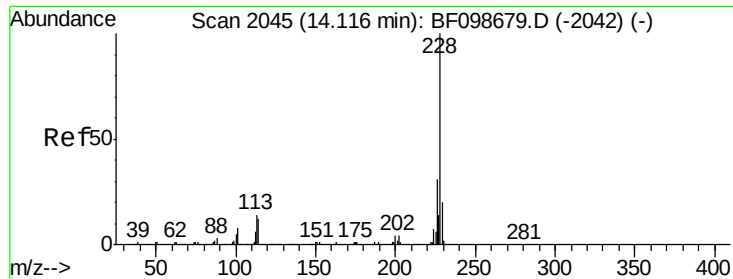


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

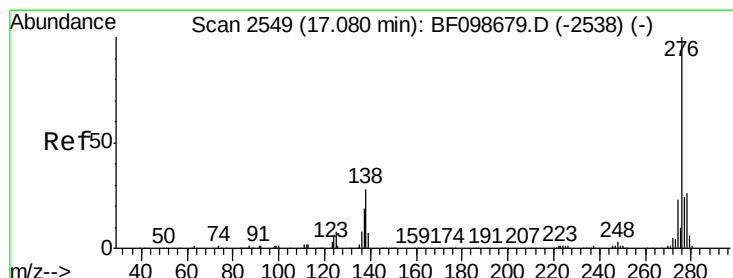
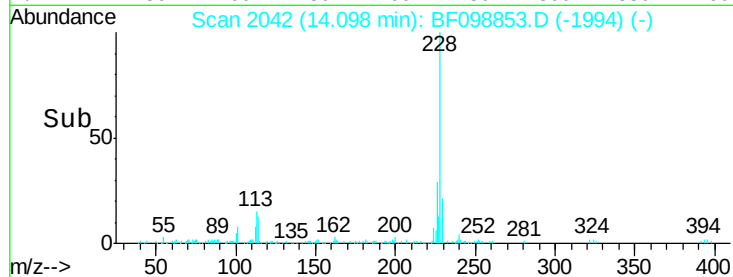
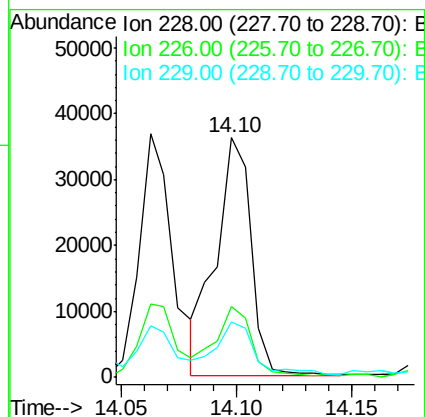
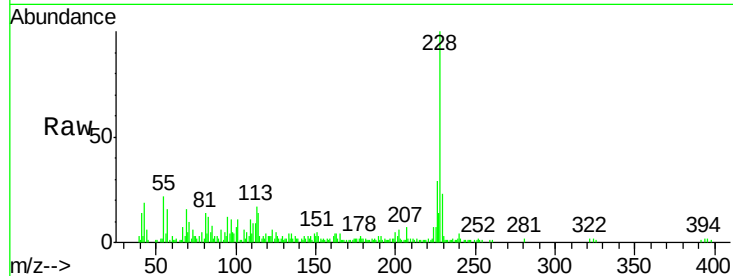




#82
 Chrysene
 Concen: 2.55 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.02 min
 Lab File: BF098853.D
 Acq: 27 Sep 2017 10:33

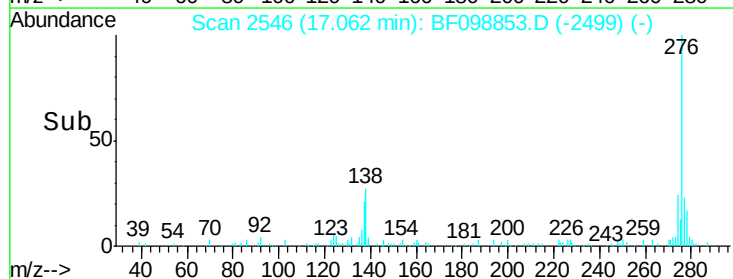
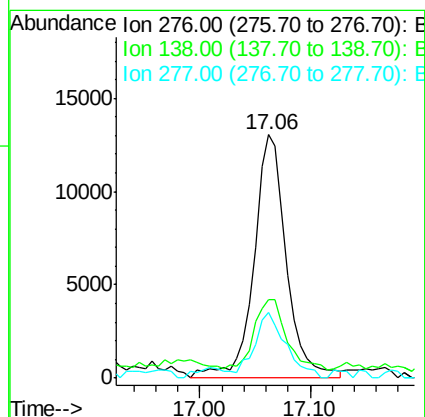
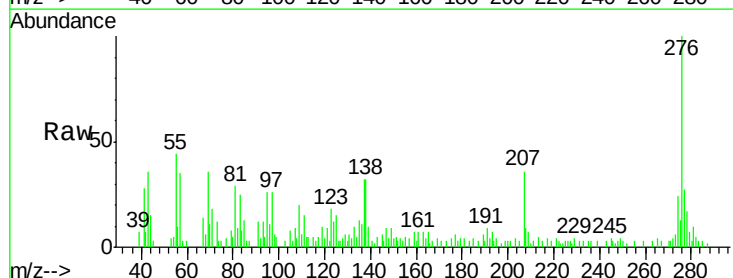
Instrument :
 BNA_F
 ClientSampleId :

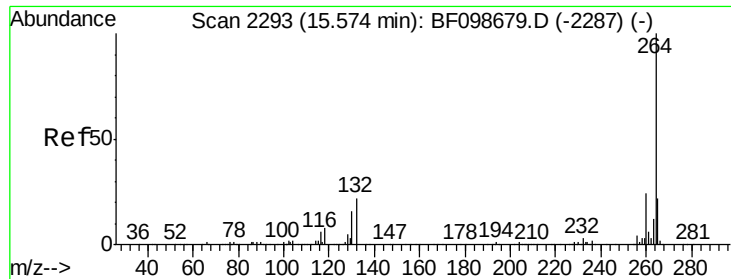
Tot Ion:228	Resp:	38142
Ion Ratio	Lower	Upper
228	100	
226	29.4	25.0 37.6
229	23.1	16.2 24.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.25 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.02 min
 Lab File: BF098853.D
 Acq: 27 Sep 2017 10:33

Tgt Ion:276	Resp:	26893
Ion Ratio	Lower	Upper
276	100	
138	29.2	25.0 37.6
277	26.0	20.1 30.1

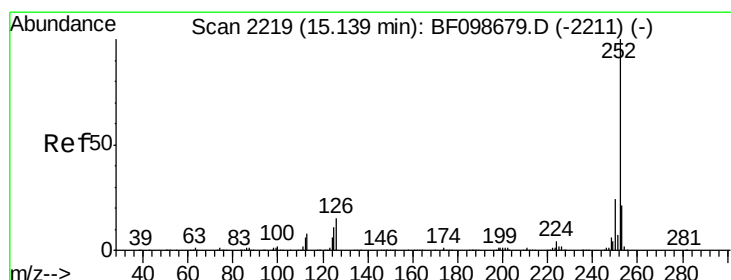
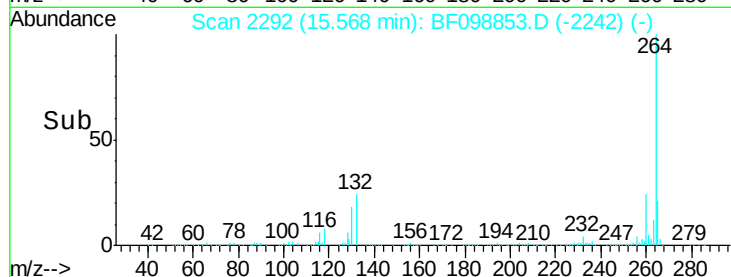
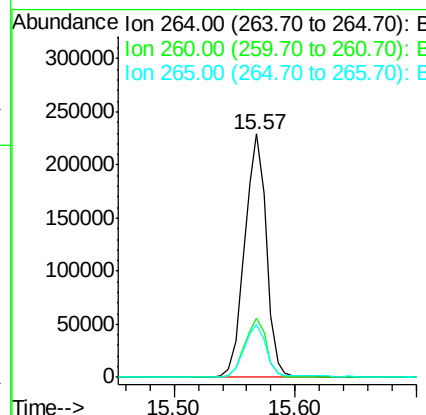
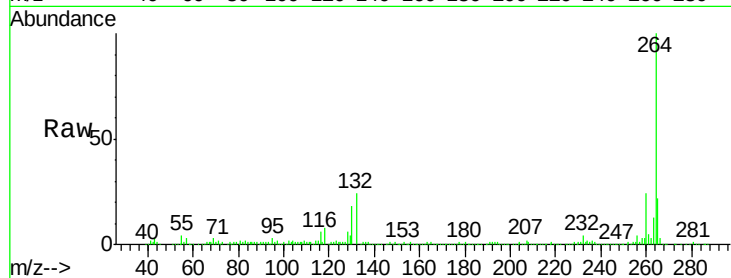




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098853.D
Acq: 27 Sep 2017 10:33

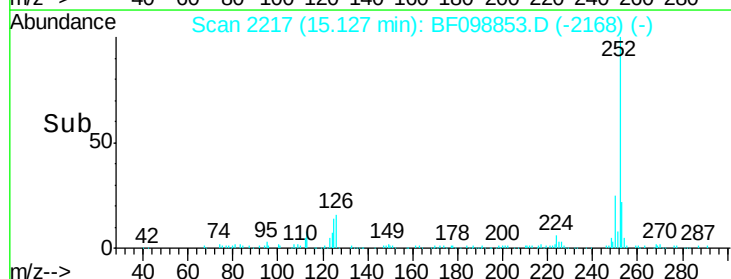
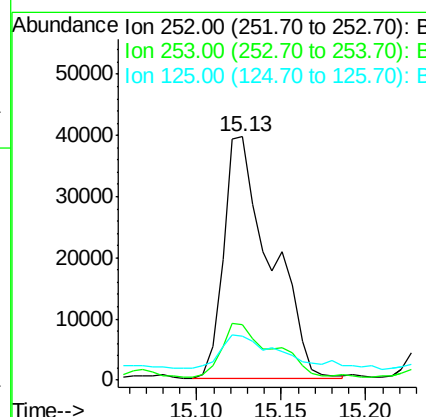
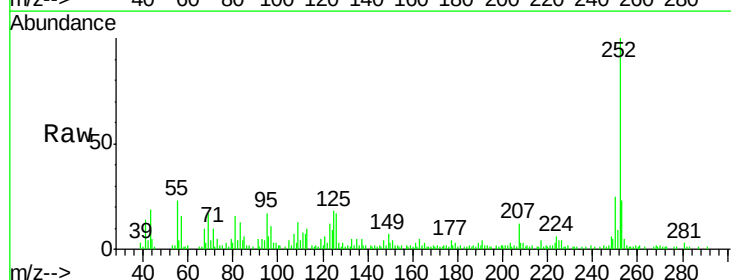
Instrument :
BNA_F
ClientSampleId :

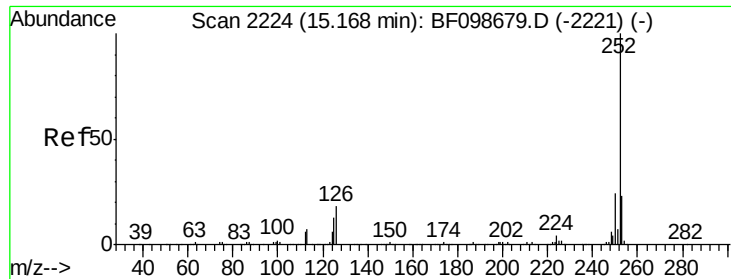
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 4.29 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098853.D
Acq: 27 Sep 2017 10:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	17.8	9.0	13.6

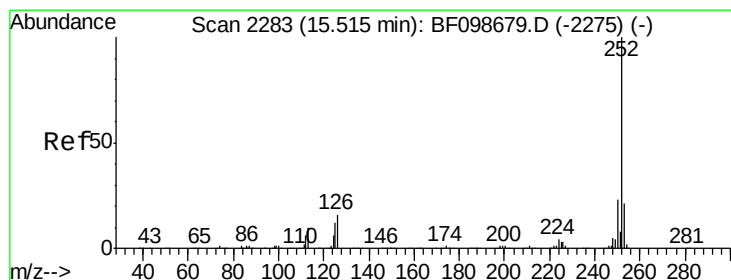
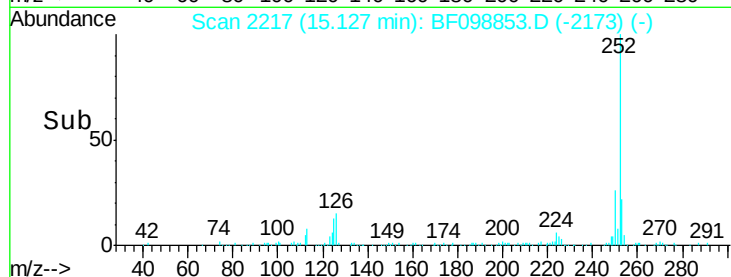
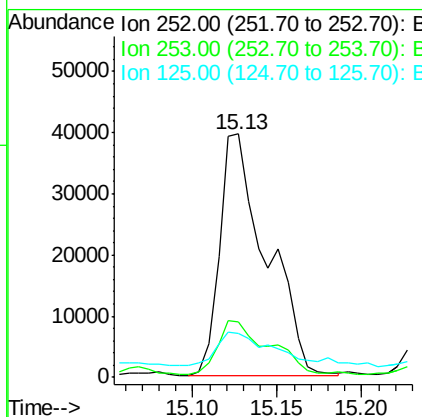
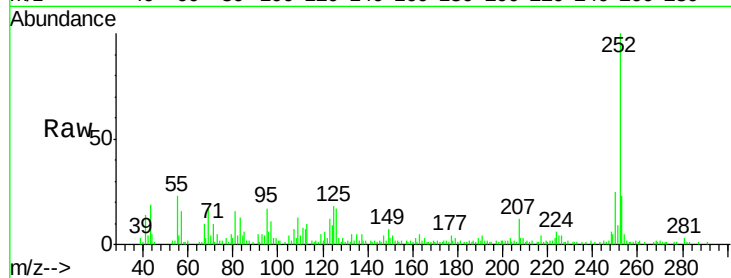




#88
Benzo(k)fluoranthene
Concen: 4.34 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098853.D
Acq: 27 Sep 2017 10:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 76174
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 17.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.03 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098853.D
Acq: 27 Sep 2017 10:33

Tgt Ion:252 Resp: 33161
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 20.0 9.8 14.6#

