

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098928.D
 Acq On : 29 Sep 2017 1:16
 Operator : SJ/JU
 Sample : I5473-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 02:49:41 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

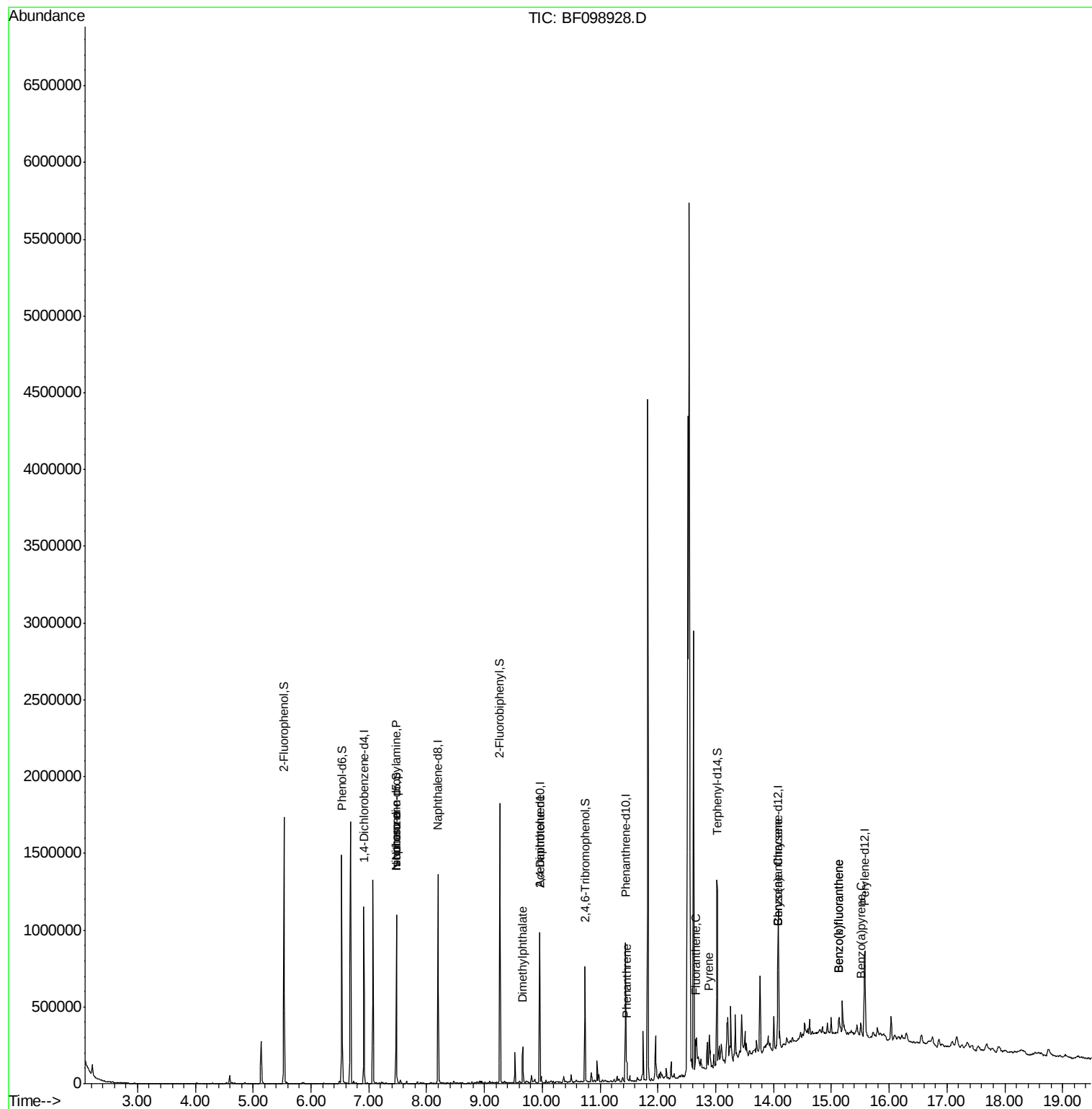
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	146714	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	535229	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	191239	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	288630	20.00	ng	0.00
75) Chrysene-d12	14.08	240	284348	20.00	ng	0.00
86) Perylene-d12	15.58	264	229763	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	452892	49.14	ng	0.00
7) Phenol-d6	6.53	99	524315	46.12	ng	-0.01
23) Nitrobenzene-d5	7.47	82	302927	36.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	62825	40.15	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	498040	43.48	ng	-0.01
78) Terphenyl-d14	13.03	244	357735	28.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	40911	5.64	ng	# 76
25) Isophorone	7.47	82	300478	17.41	ng	# 64
49) Dimethylphthalate	9.66	163	83041	5.75	ng	100
56) 2,4-Dinitrotoluene	9.95	165	24743	6.07	ng	# 23
70) Phenanthrene	11.46	178	33617	2.18	ng	100
74) Fluoranthene	12.66	202	60146	3.84	ng	98
77) Pyrene	12.89	202	73505	3.39	ng	98
80) Benzo(a)anthracene	14.07	228	43241	2.51	ng	# 94
82) Chrysene	14.07	228	43241	2.64	ng	96
87) Benzo(b)fluoranthene	15.13	252	68698	4.86	ng	# 84
88) Benzo(k)fluoranthene	15.13	252	68698	4.92	ng	# 87
89) Benzo(a)pyrene	15.51	252	36338	2.80	ng	# 89

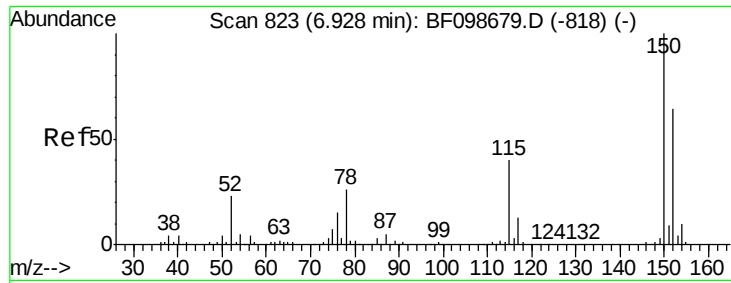
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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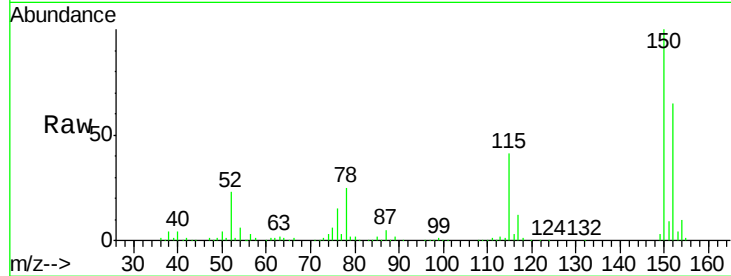


#1

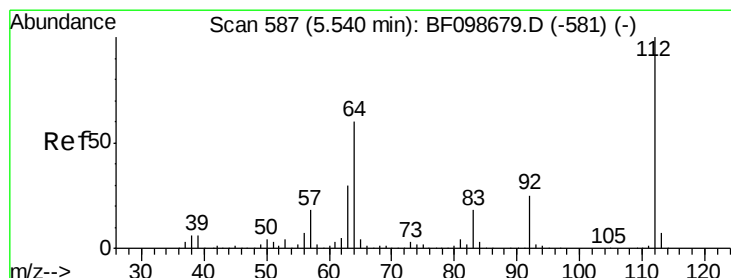
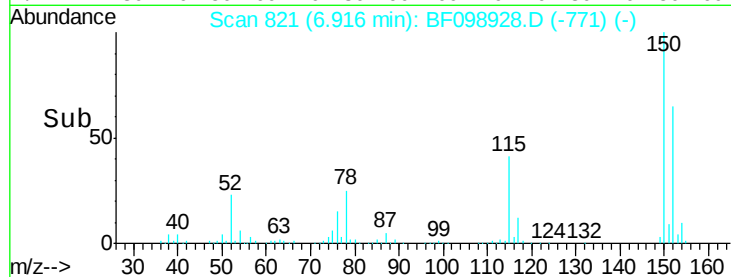
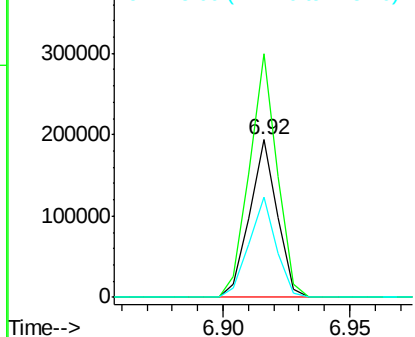
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146714
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 63.5 50.1 75.1



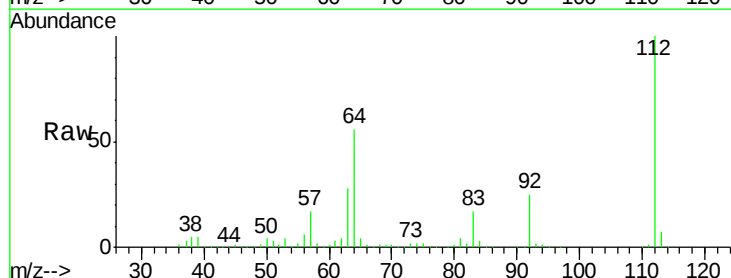
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



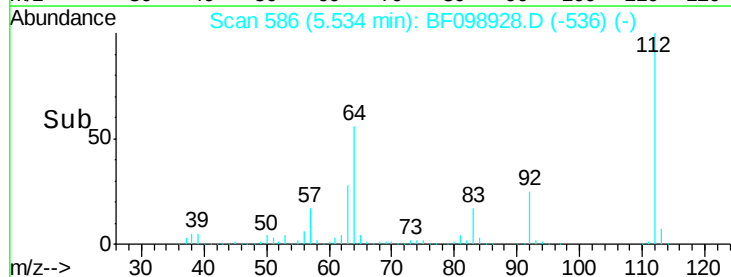
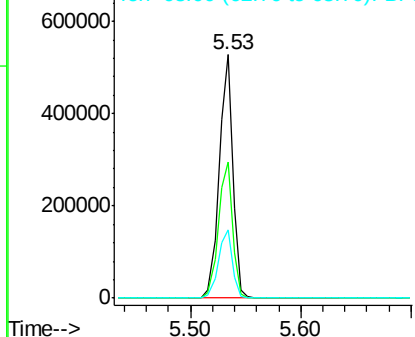
#5

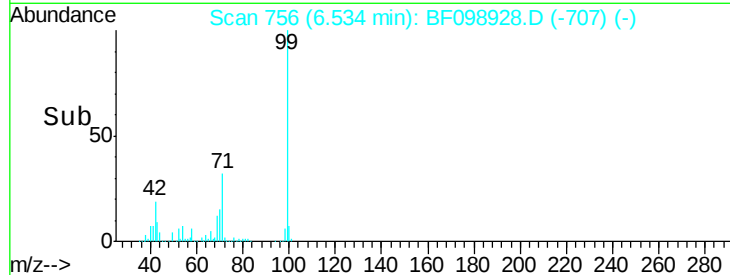
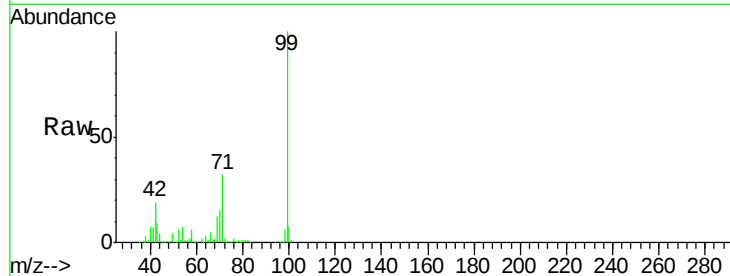
2-Fluorophenol
Concen: 49.14 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Tgt Ion:112 Resp: 452892
Ion Ratio Lower Upper
112 100
64 56.0 47.9 71.9
63 28.2 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: 46.12 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Instrument :

BNA_F

ClientSampleId :

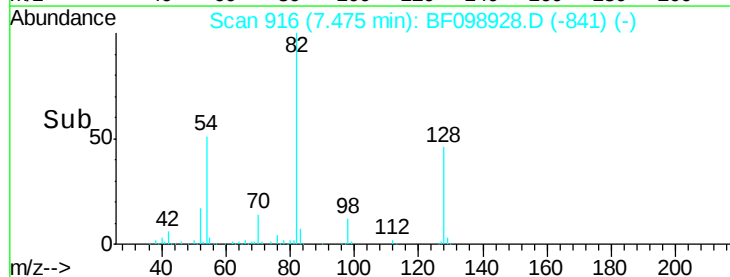
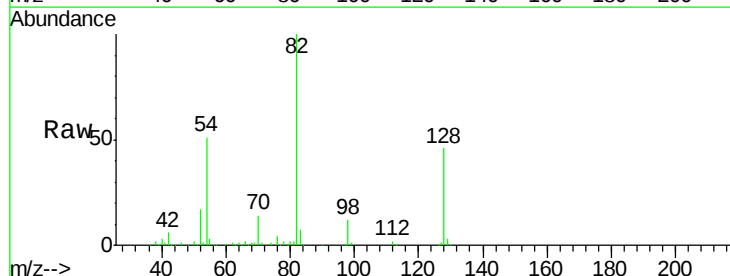
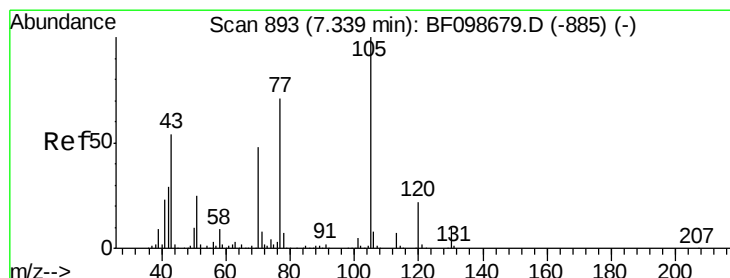
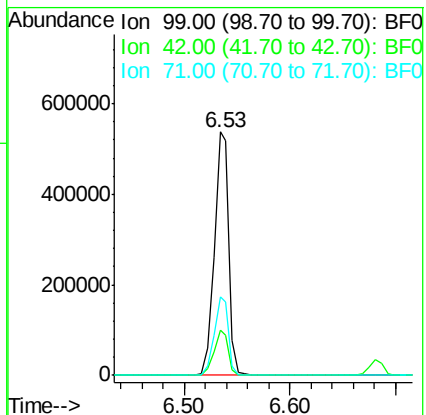
Tot Ion: 99 Resp: 524315

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 32.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.64 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Tgt Ion: 70 Resp: 40911

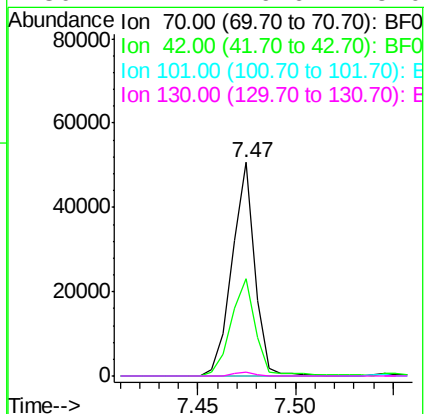
Ion Ratio Lower Upper

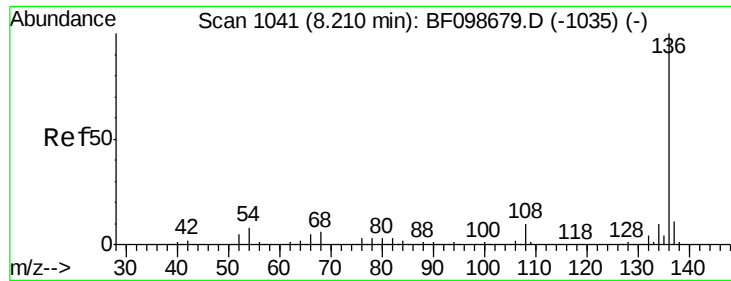
70 100

42 45.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

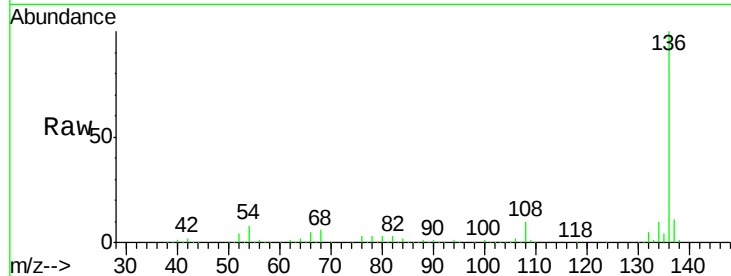




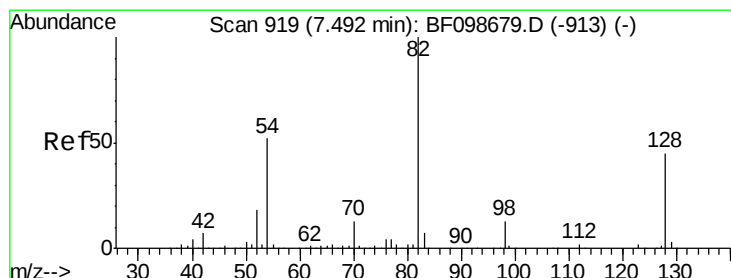
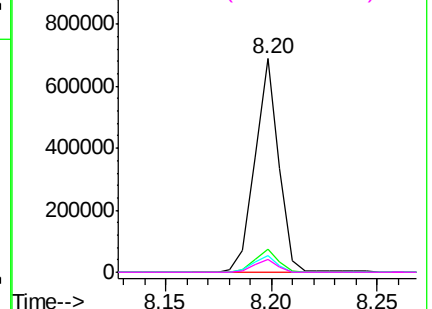
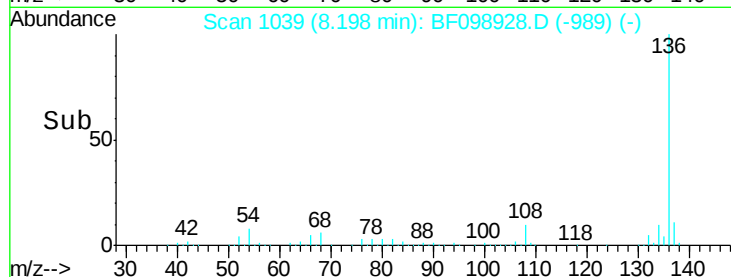
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	535229
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	7.7	6.6 9.8
68	6.0	5.0 7.4

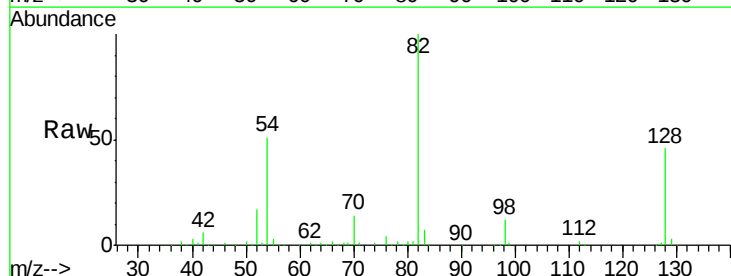


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

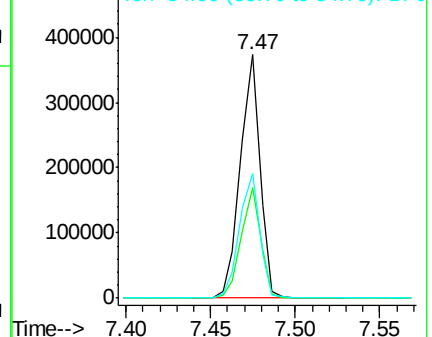
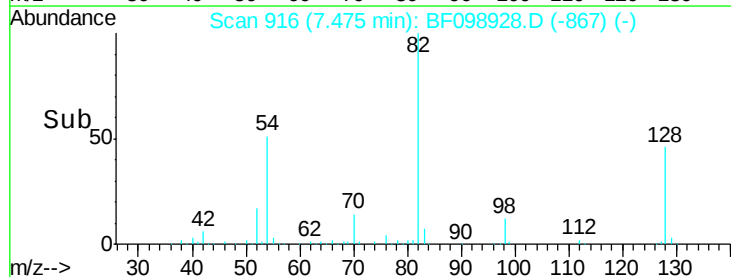


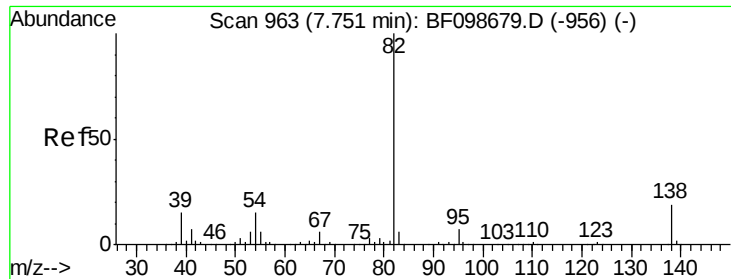
#23
Nitrobenzene-d5
Concen: 36.30 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Tgt Ion: 82	Resp:	302927
Ion Ratio	Lower	Upper
82	100	
128	45.6	36.1 54.1
54	51.3	41.4 62.2



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: 17.41 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Instrument :

BNA_F

ClientSampled :

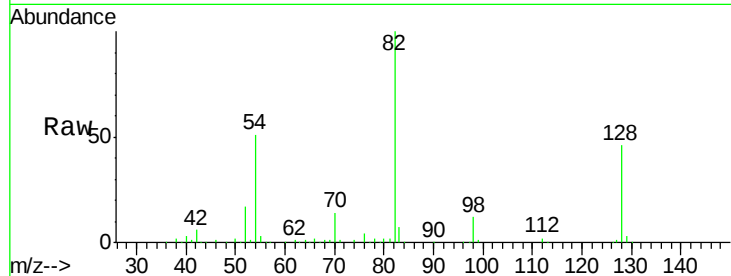
Tot Ion: 82 Resp: 300478

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

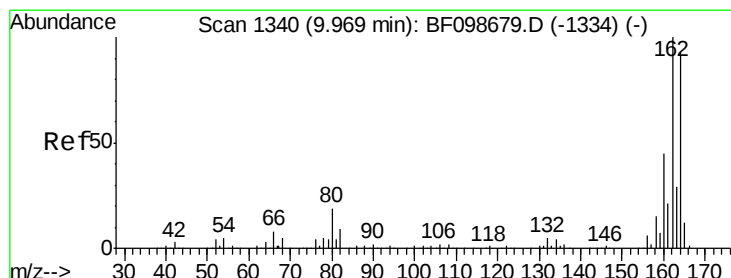
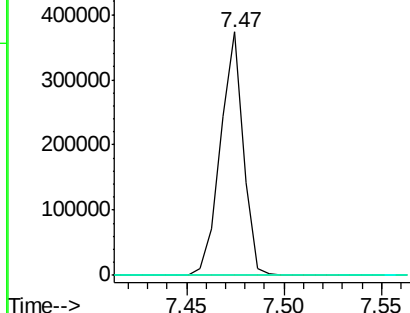
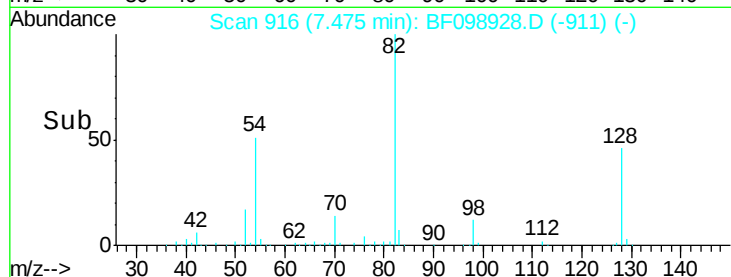
138 0.0 14.9 22.3#



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: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

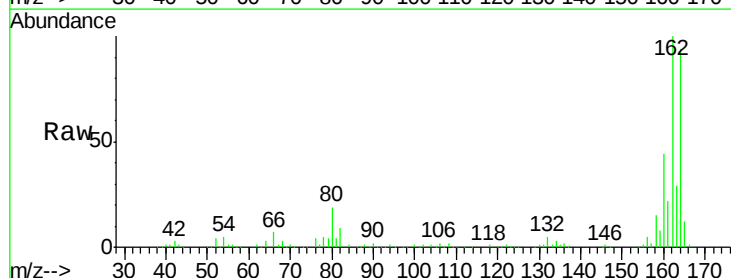
Tgt Ion: 164 Resp: 191239

Ion Ratio Lower Upper

164 100

162 106.3 86.1 129.1

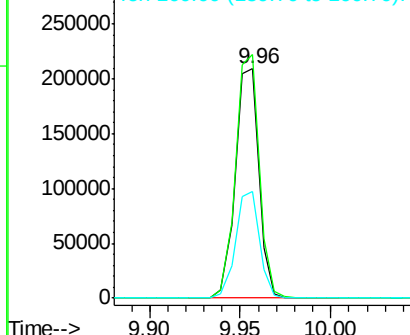
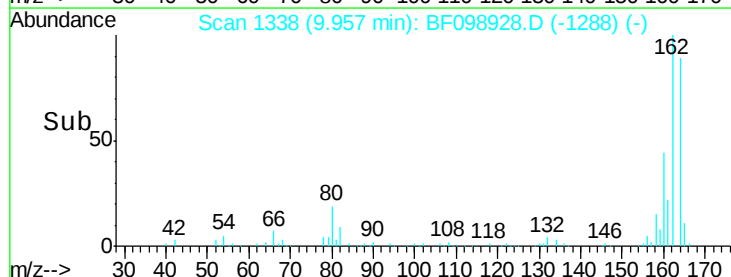
160 46.6 38.3 57.5

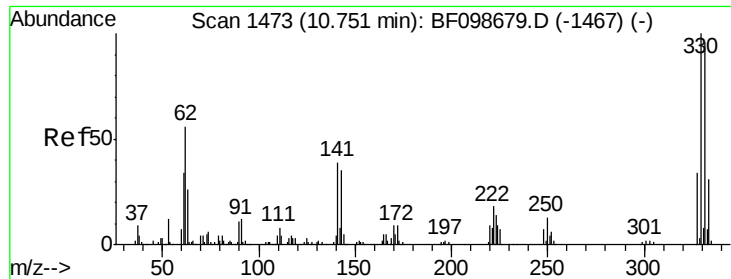


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

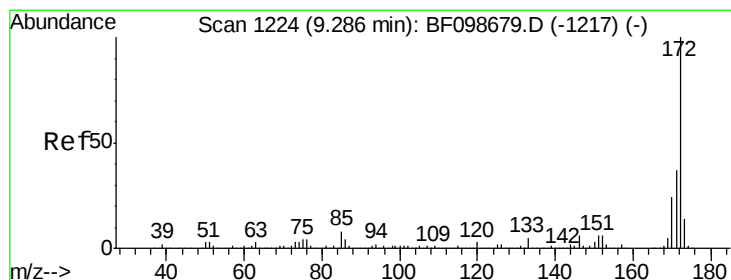
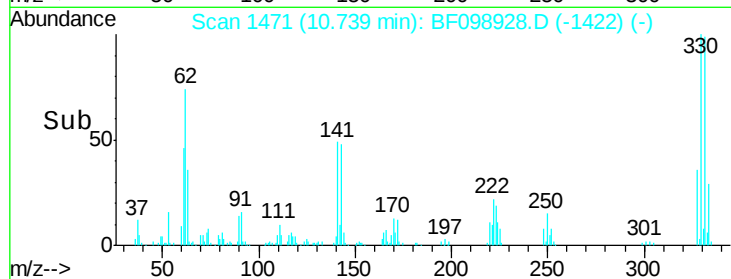
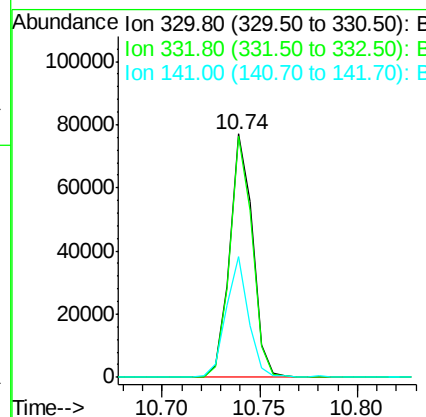
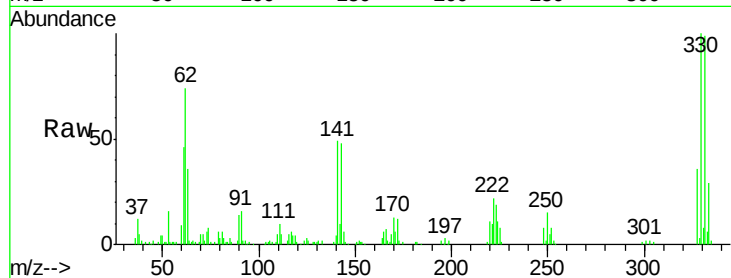




#41
 2,4,6-Tribromophenol
 Concen: 40.15 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

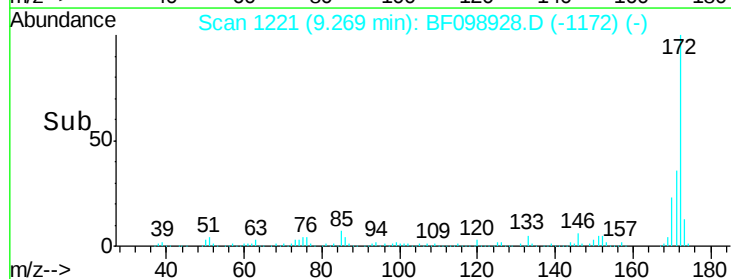
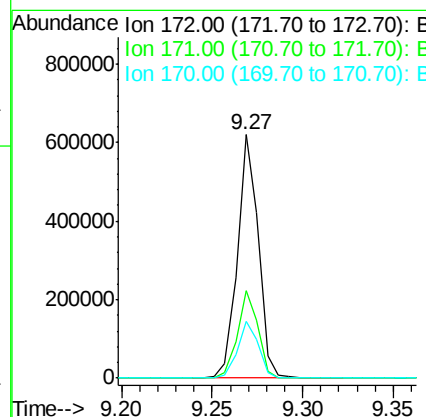
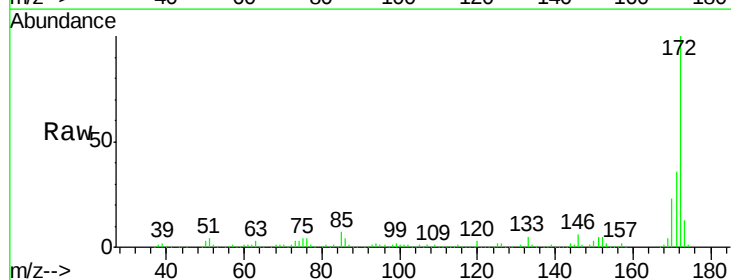
Instrument :
 BNA_F
 ClientSampleId :

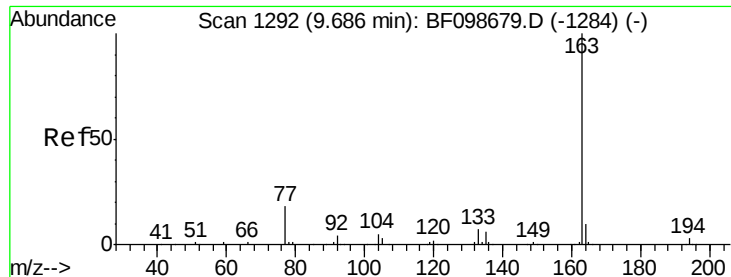
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	48.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 43.48 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098928.D
 Acq: 29 Sep 2017 1:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.2	19.6	29.4

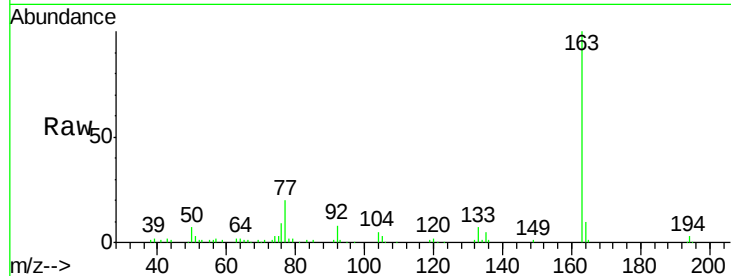




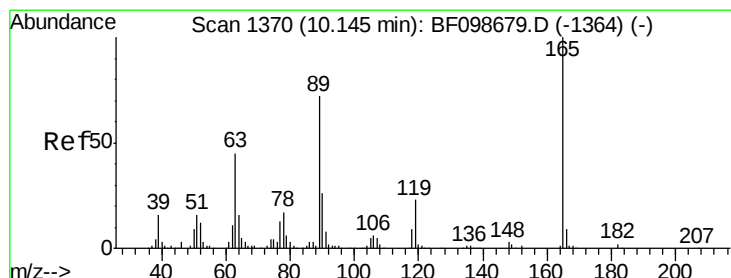
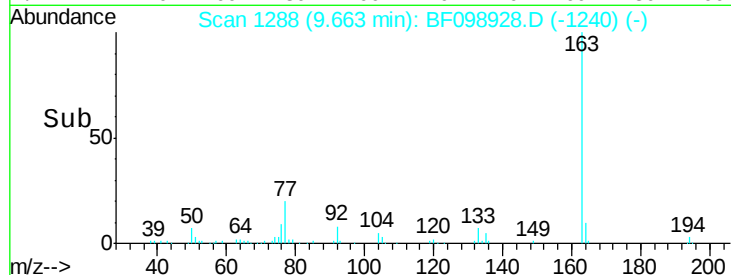
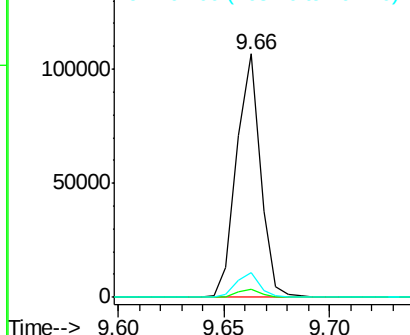
#49
Dimethylphthalate
Concen: 5.75 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 83041
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.1 8.2 12.2

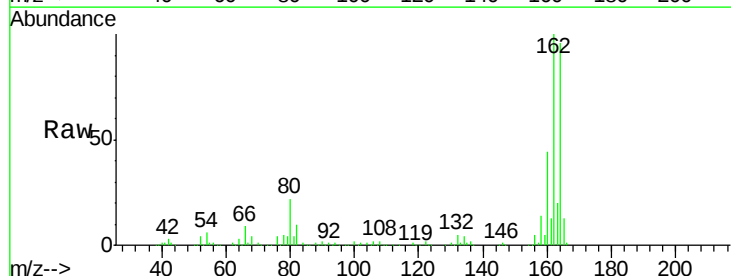


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

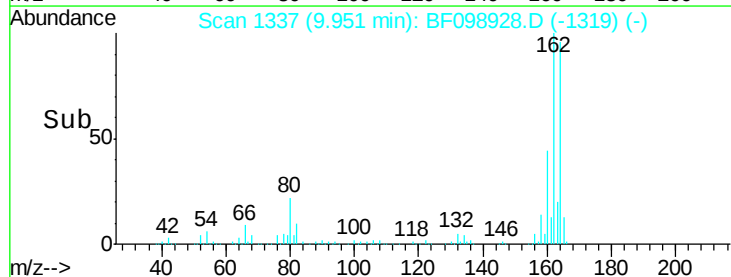
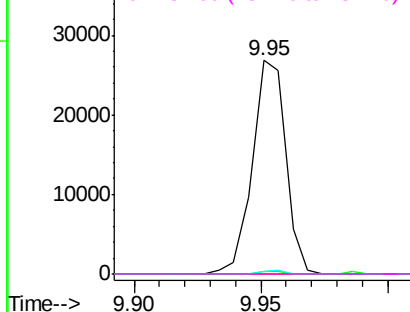


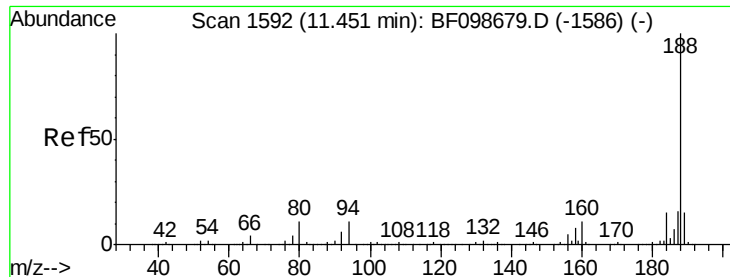
#56
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Tgt Ion:165 Resp: 24743
Ion Ratio Lower Upper
165 100
63 1.5 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

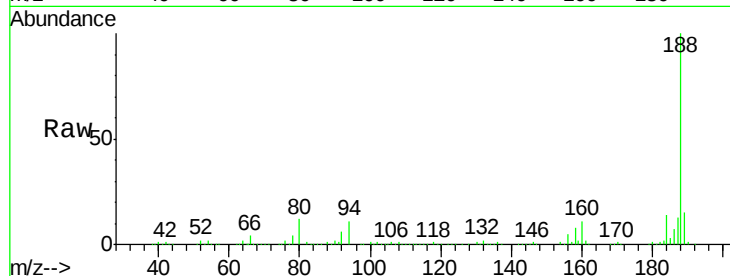




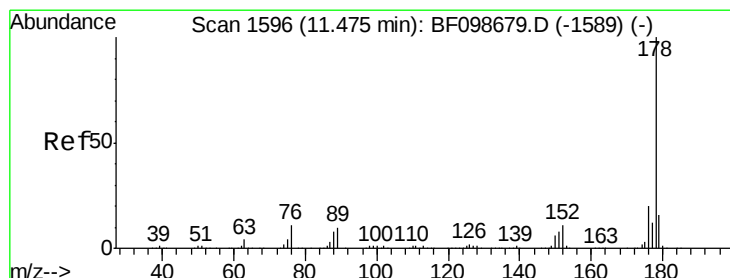
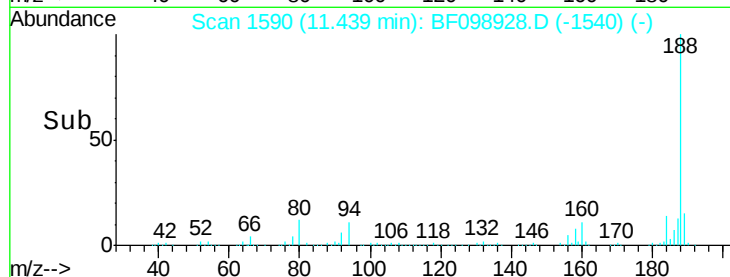
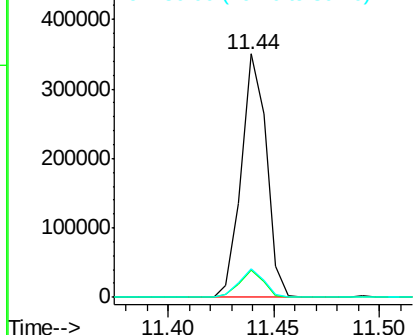
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 288630
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.9 9.2 13.8

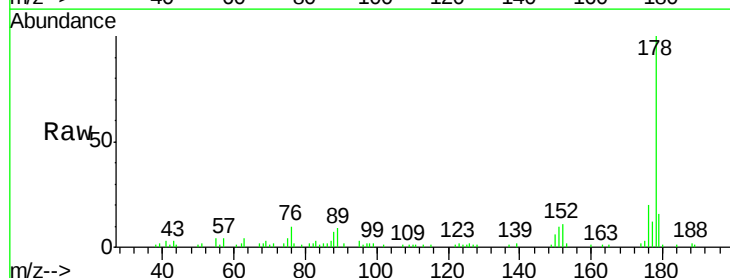


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

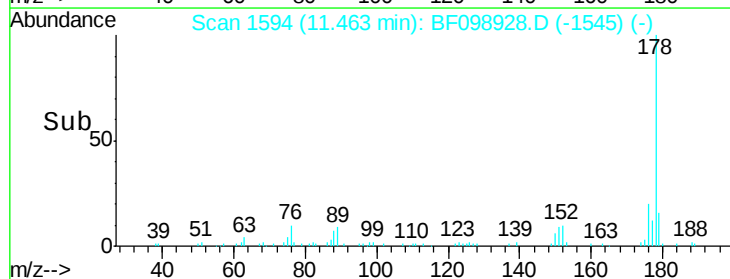
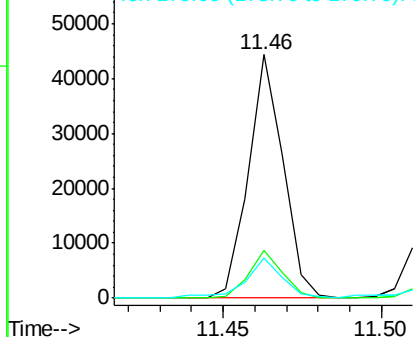


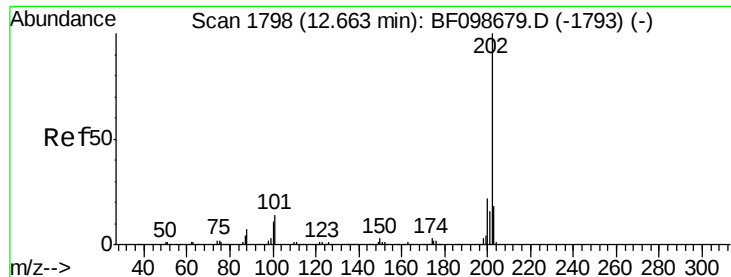
#70
Phenanthrene
Concen: 2.18 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Tgt Ion:178 Resp: 33617
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 16.2 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: 3.84 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Instrument :

BNA_F

ClientSampleId :

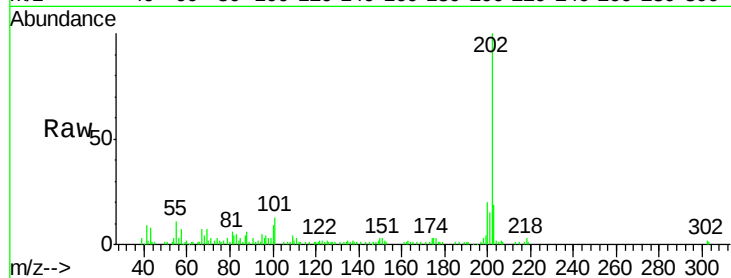
Tot Ion:202 Resp: 60146

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

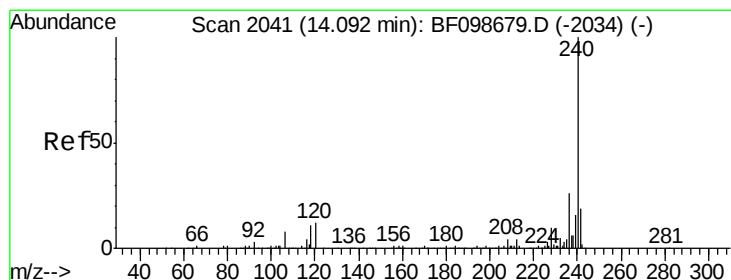
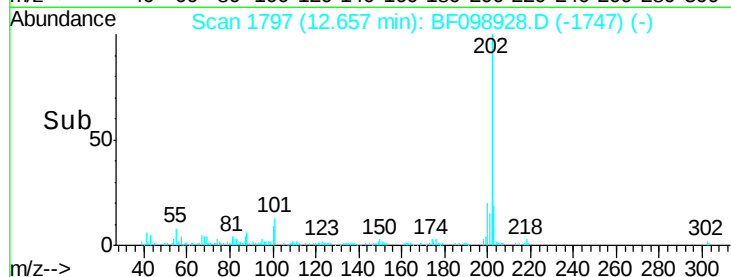
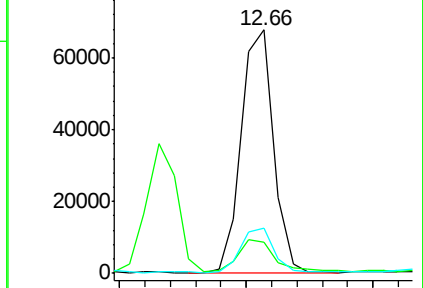
203 18.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

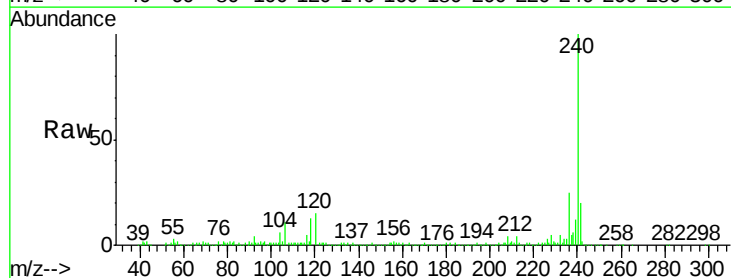
Tgt Ion:240 Resp: 284348

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

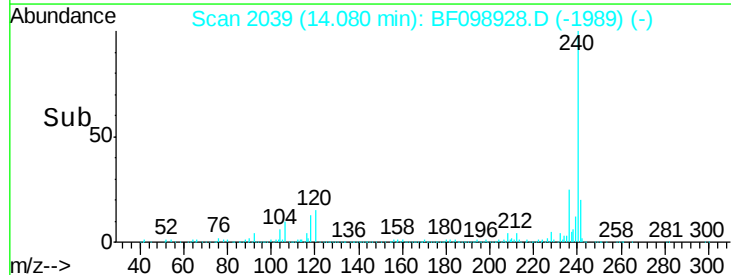
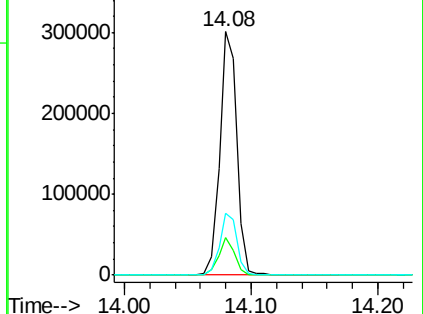
236 25.3 20.7 31.1

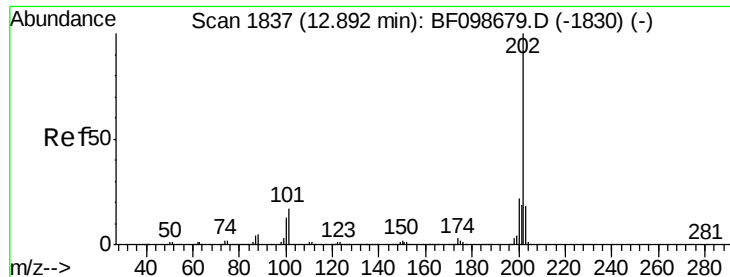


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.39 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Instrument :

BNA_F

ClientSampleId :

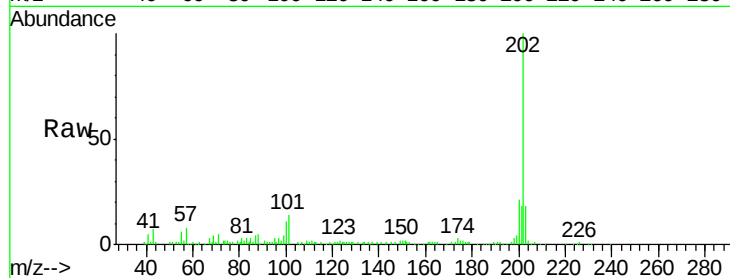
Tot Ion:202 Resp: 73505

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

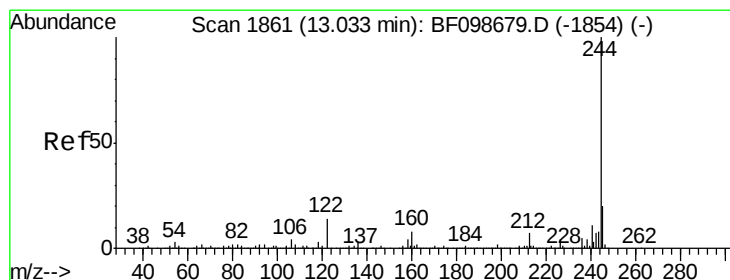
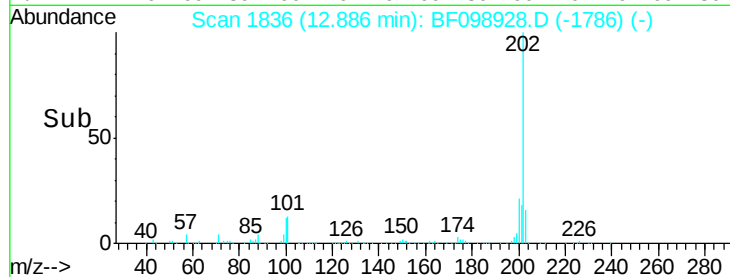
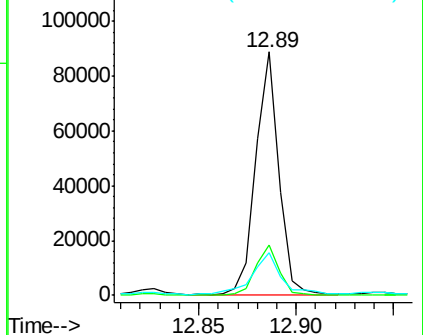
203 17.5 14.3 21.5



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: 28.61 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

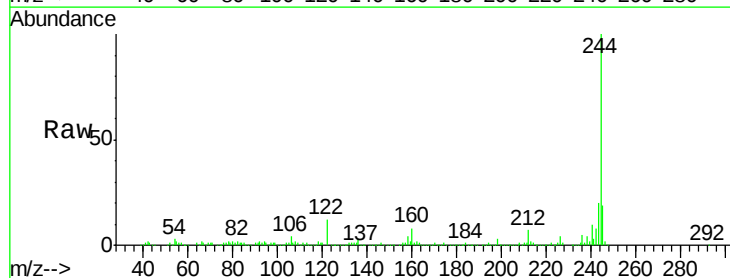
Tgt Ion:244 Resp: 357735

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

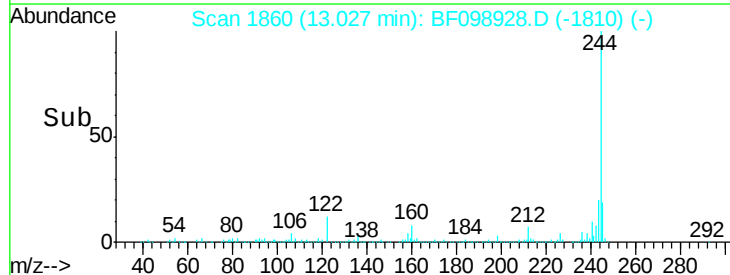
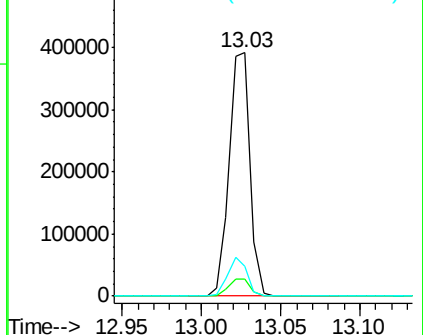
122 12.3 11.0 16.4

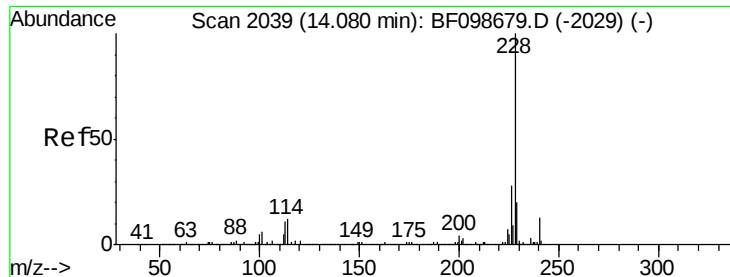


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.51 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

Instrument :

BNA_F

ClientSampleId :

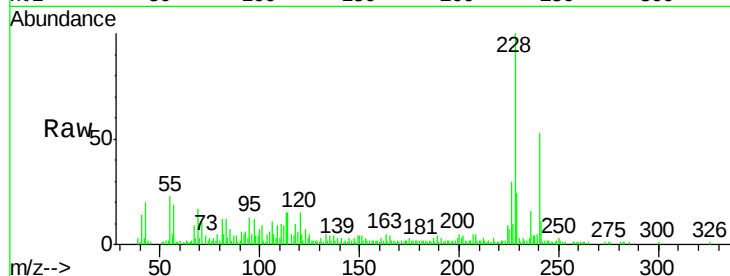
Tot Ion:228 Resp: 43241

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

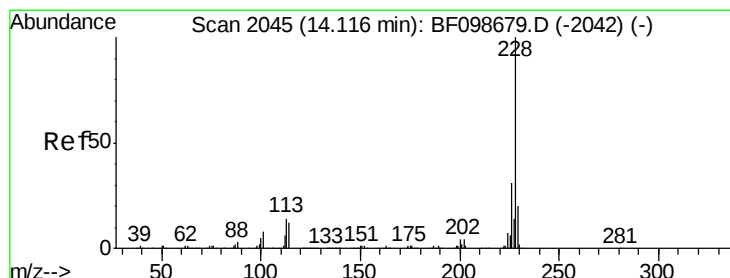
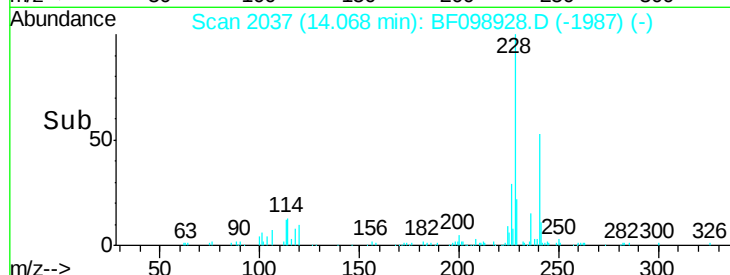
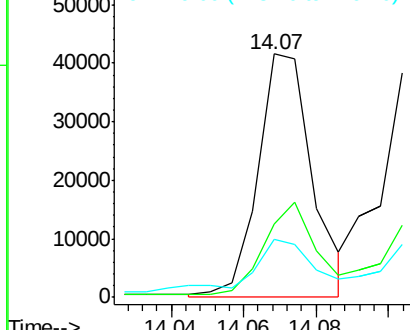
229 24.0 15.8 23.6#



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: 2.64 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.05 min

Lab File: BF098928.D

Acq: 29 Sep 2017 1:16

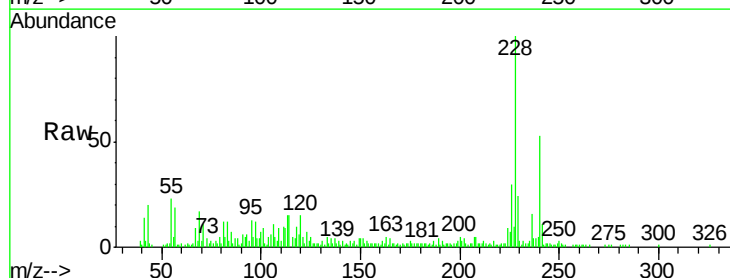
Tgt Ion:228 Resp: 43241

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

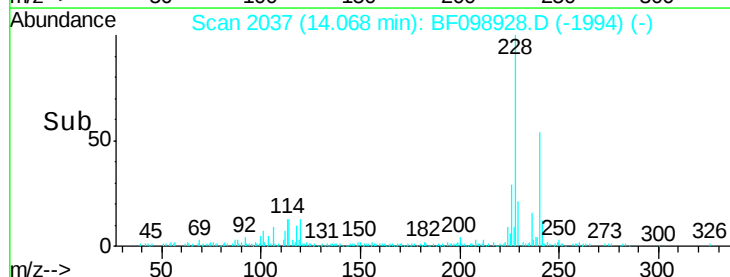
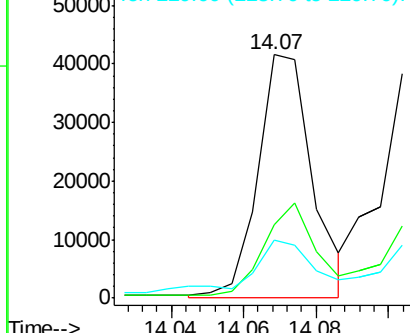
229 24.0 16.2 24.4

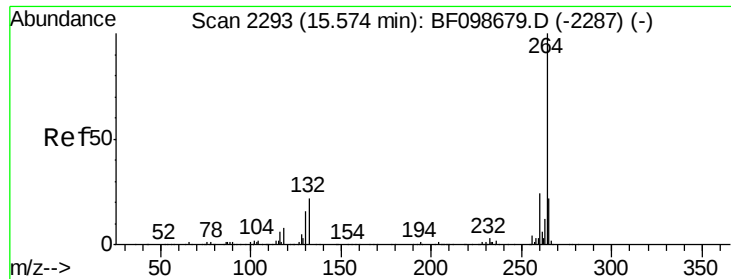


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

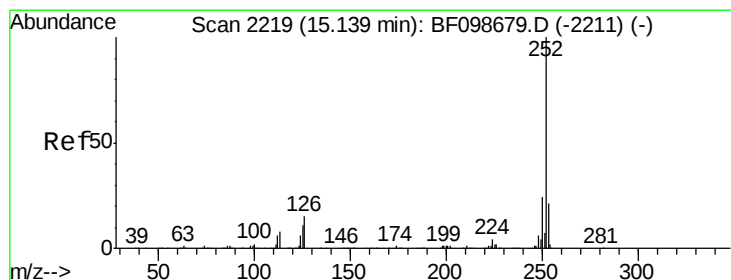
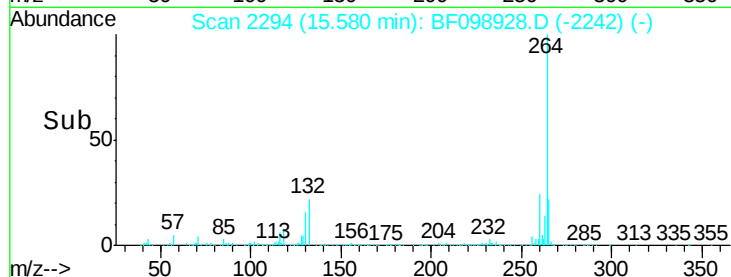
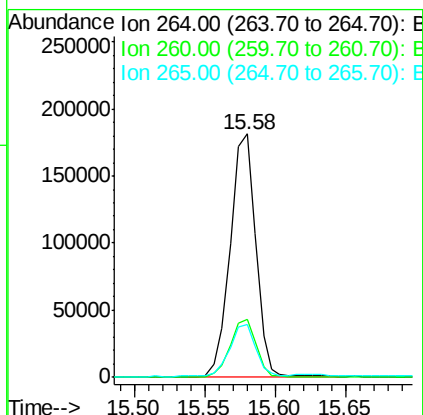
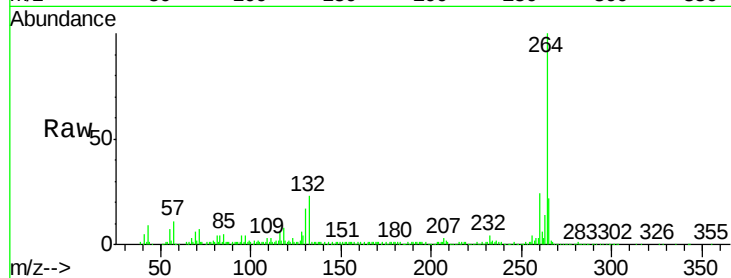




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

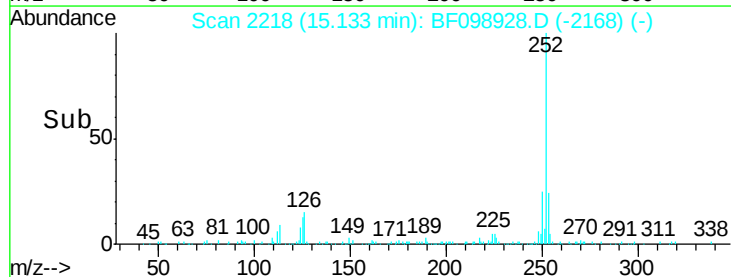
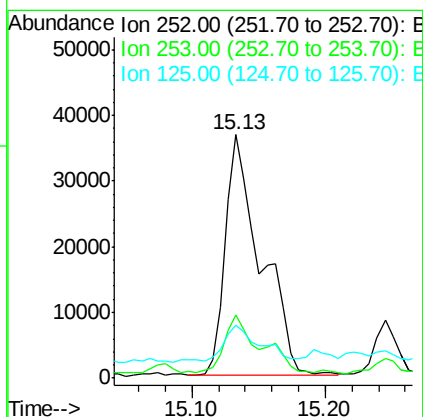
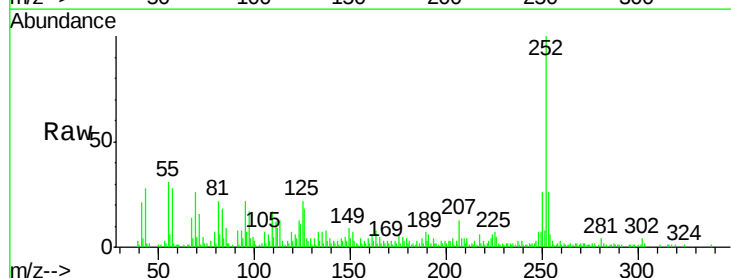
Instrument :
BNA_F
ClientSampleId :

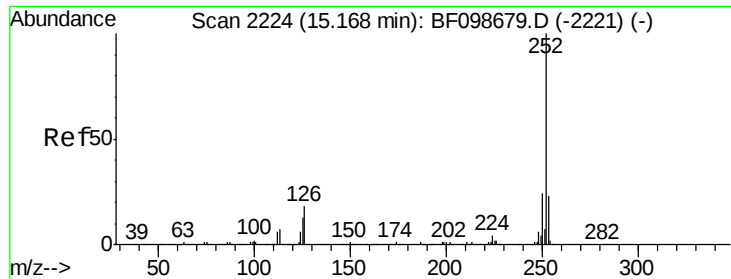
Tot Ion:264 Resp: 229763
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.86 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Tgt Ion:252 Resp: 68698
Ion Ratio Lower Upper
252 100
253 25.9 17.0 25.6#
125 21.6 9.0 13.6#

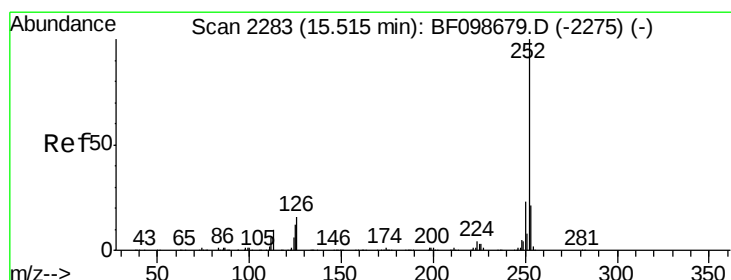
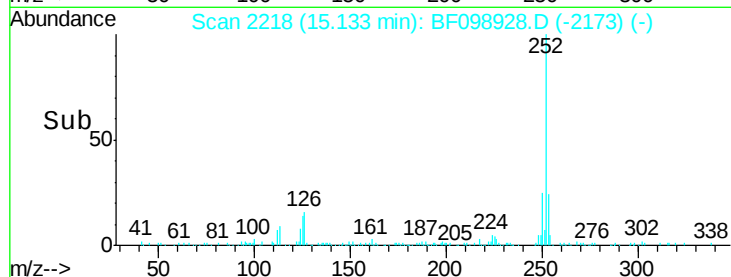
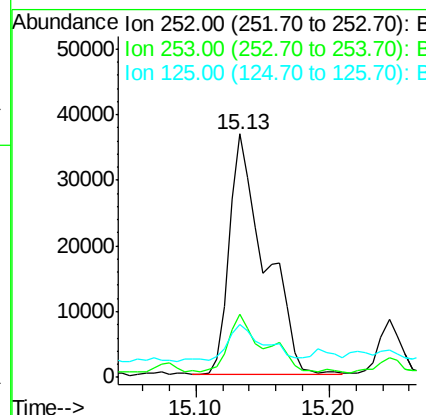
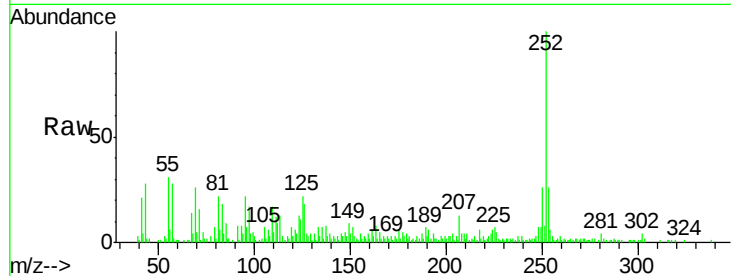




#88
Benzo(k)fluoranthene
Concen: 4.92 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 68698
Ion Ratio Lower Upper
252 100
253 25.9 17.9 26.9
125 21.6 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.80 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098928.D
Acq: 29 Sep 2017 1:16

Tgt Ion:252 Resp: 36338
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 21.1 9.8 14.6#

