

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098854.D
 Acq On : 27 Sep 2017 11:00
 Operator : SJ/JU
 Sample : I5363-09RE 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:46:09 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

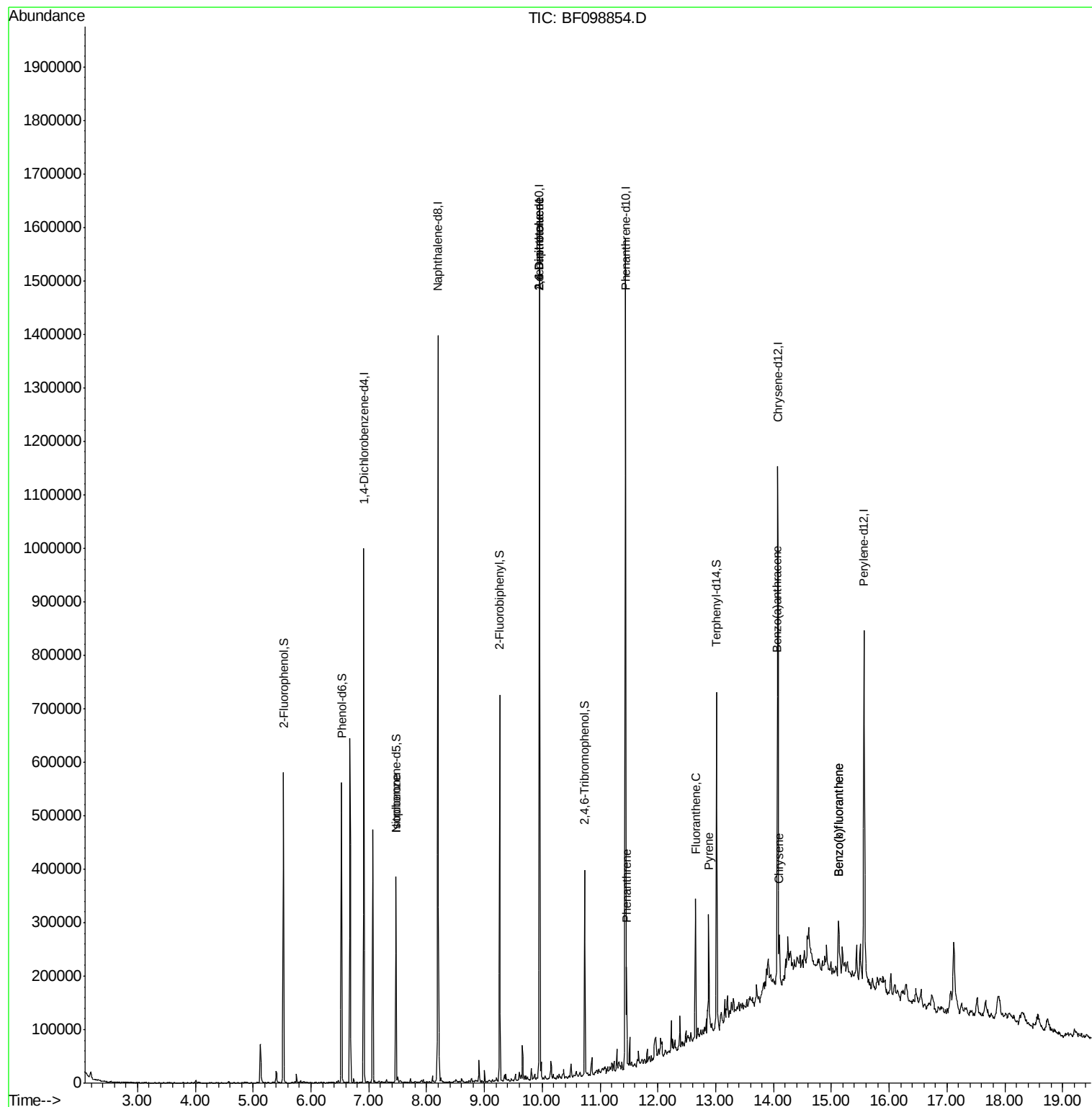
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	153700	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	640528	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	288531	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	494509	20.00	ng	0.00
75) Chrysene-d12	14.07	240	290019	20.00	ng	-0.01
86) Perylene-d12	15.57	264	278809	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	144879	15.01	ng	-0.02
7) Phenol-d6	6.53	99	178311	14.97	ng	-0.02
23) Nitrobenzene-d5	7.47	82	105288	10.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	33750	14.29	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	219289	12.69	ng	-0.01
78) Terphenyl-d14	13.02	244	168545	13.22	ng	-0.02
Target Compounds						
25) Isophorone	7.47	82	104347	5.05	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	37766	7.97	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	37766	6.14	ng	# 23
70) Phenanthrene	11.46	178	63856	2.41	ng	97
74) Fluoranthene	12.65	202	94638	3.53	ng	97
77) Pyrene	12.88	202	81178	3.67	ng	96
80) Benzo(a)anthracene	14.06	228	37167	2.12	ng	95
82) Chrysene	14.10	228	37088	2.22	ng	97
87) Benzo(b)fluoranthene	15.13	252	64857	3.78	ng	# 91
88) Benzo(k)fluoranthene	15.13	252	64857	3.83	ng	# 94

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

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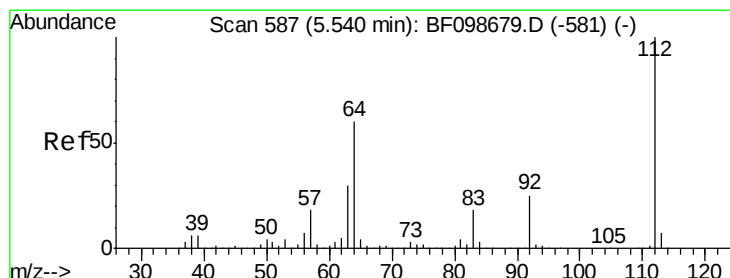
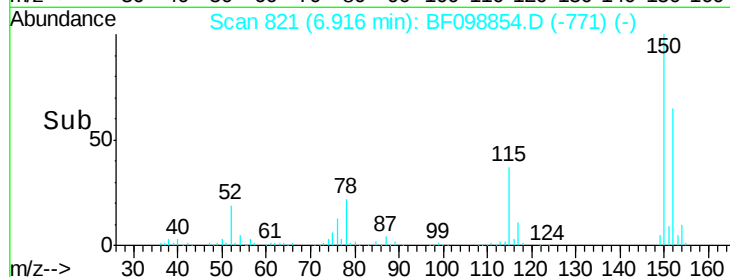
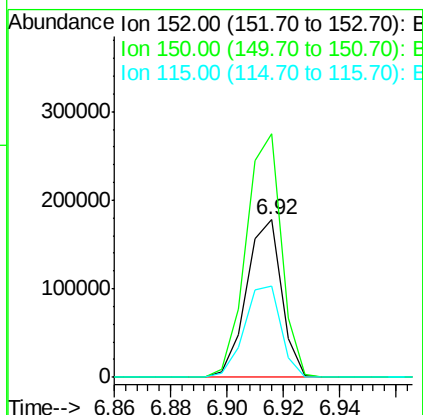
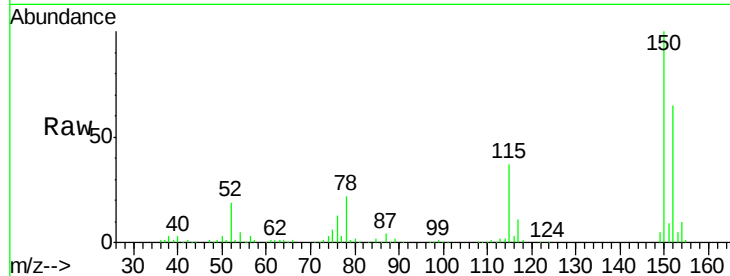


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098854.D
Acq: 27 Sep 2017 11:00

Instrument :
BNA_F
ClientSampleId :

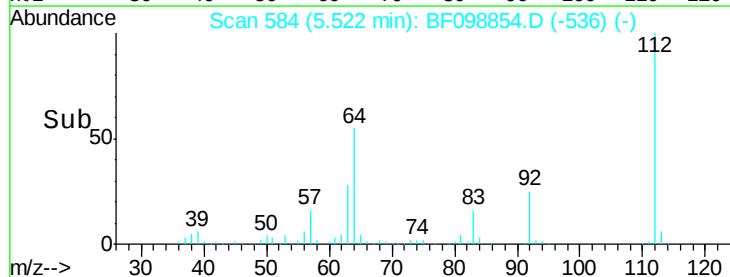
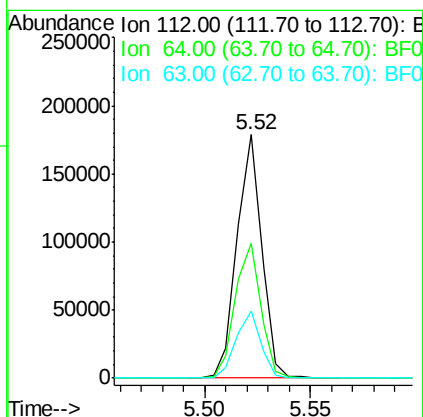
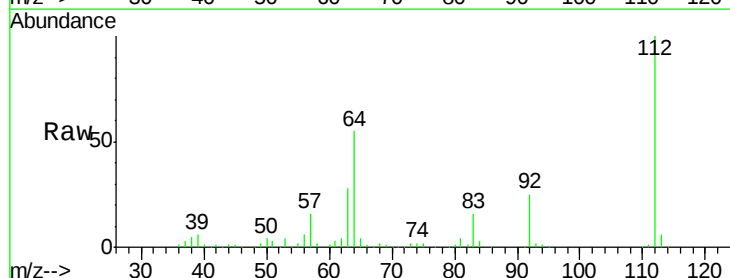
Tot Ion:152 Resp: 153700
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 57.7 50.1 75.1



#5

2-Fluorophenol
Concen: 15.01 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098854.D
Acq: 27 Sep 2017 11:00

Tgt Ion:112 Resp: 144879
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 27.7 23.7 35.5





#7

Phenol-d6

Concen: 14.97 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098854.D

Acq: 27 Sep 2017 11:00

Instrument :

BNA_F

ClientSampled :

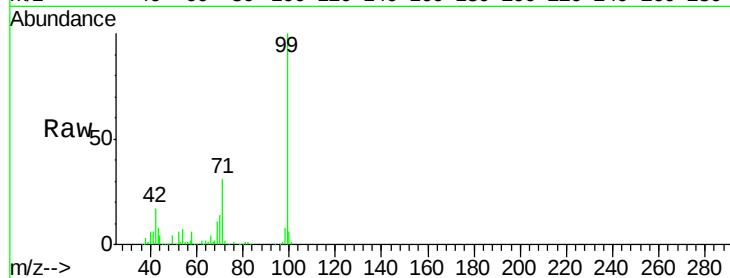
Tot Ion: 99 Resp: 178311

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

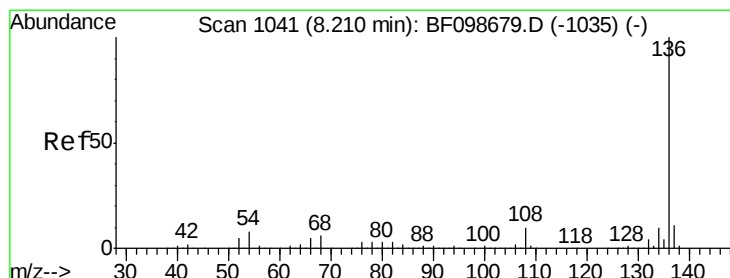
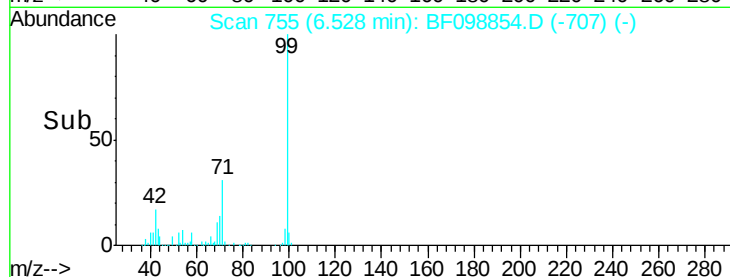
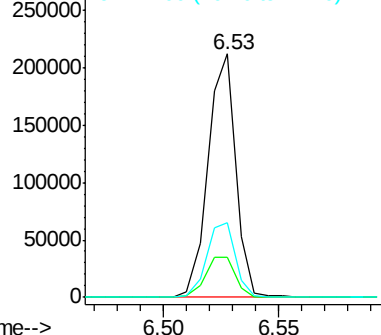
71 30.7 25.4 38.0



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: BF098854.D

Acq: 27 Sep 2017 11:00

Tgt Ion: 136 Resp: 640528

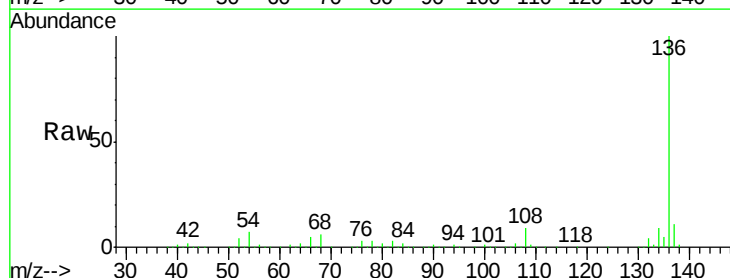
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.2 6.6 9.8

68 5.5 5.0 7.4

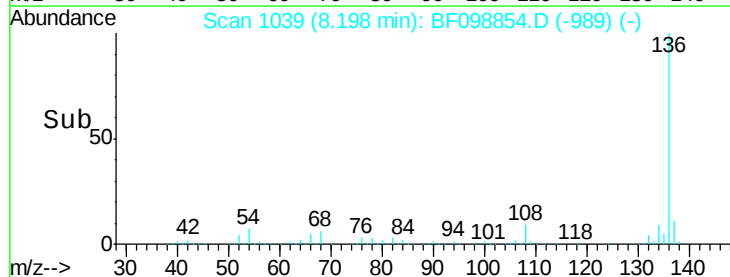
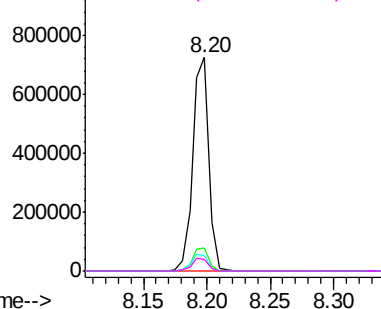


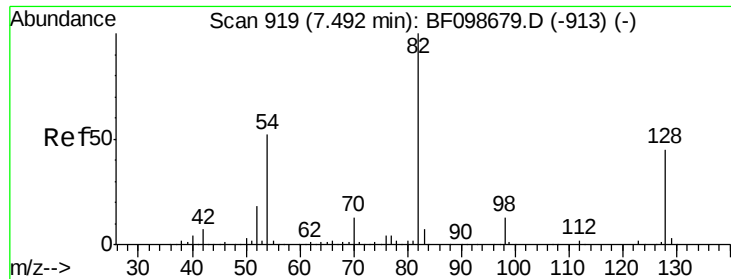
Abundance Ion 136.00 (135.70 to 136.70): E

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

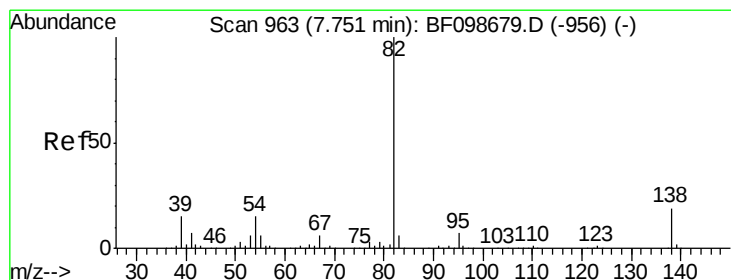
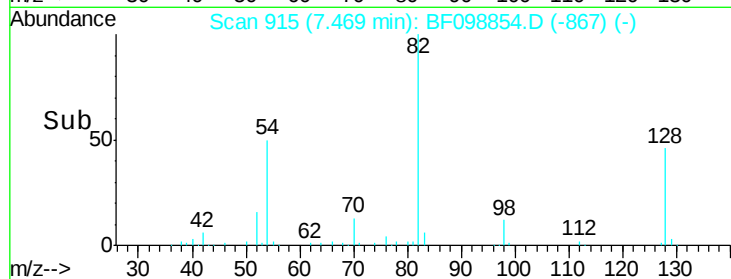
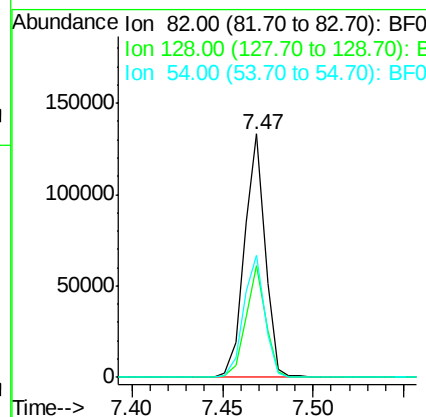
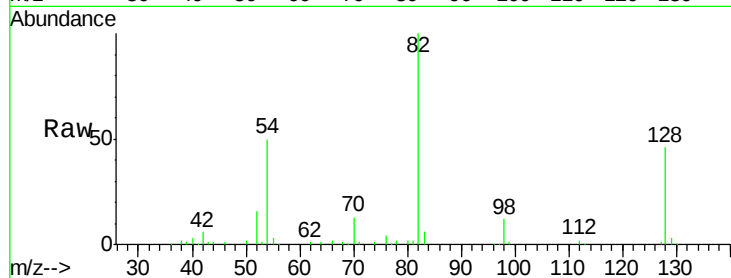




#23
 Nitrobenzene-d5
 Concen: 10.54 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098854.D
 Acq: 27 Sep 2017 11:00

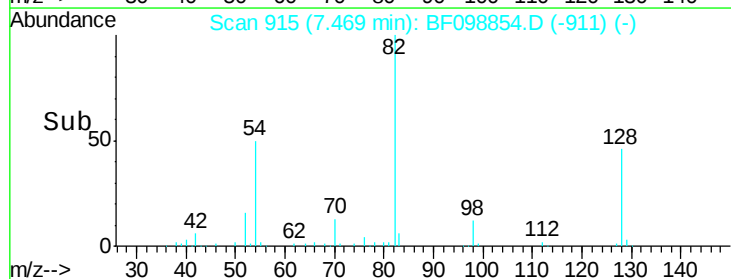
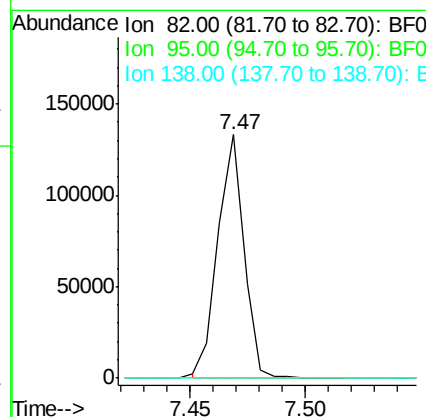
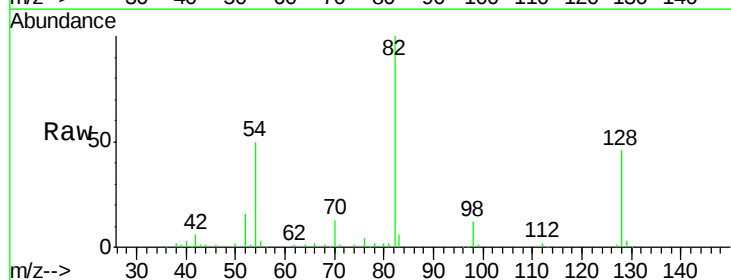
Instrument :
 BNA_F
 ClientSampleId :

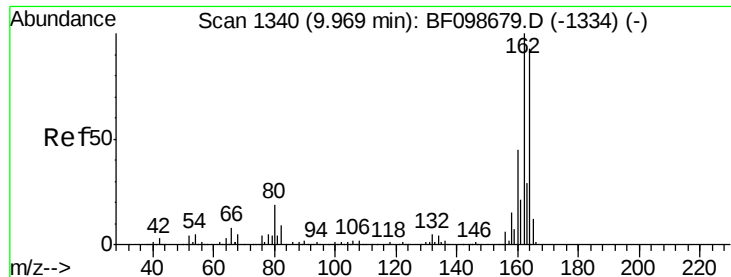
Tot Ion	82	Resp	105288
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.1	54.1
54	50.2	41.4	62.2



#25
 Isophorone
 Concen: 5.05 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.28 min
 Lab File: BF098854.D
 Acq: 27 Sep 2017 11:00

Tgt Ion	82	Resp	104347
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

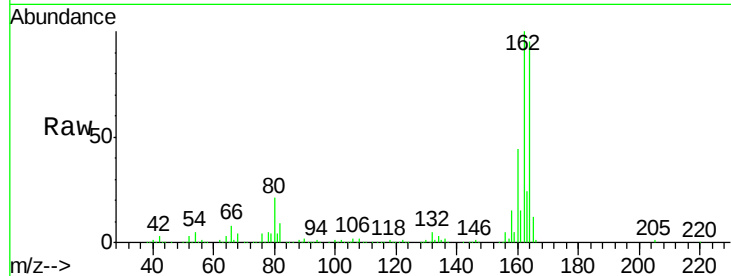




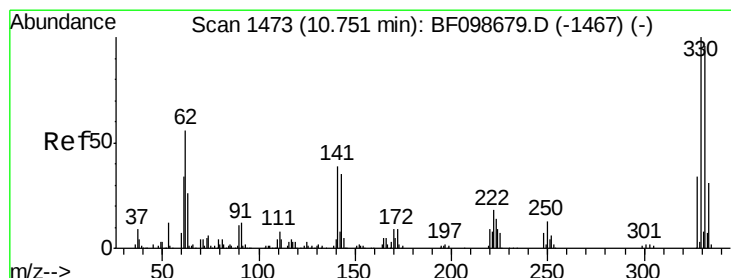
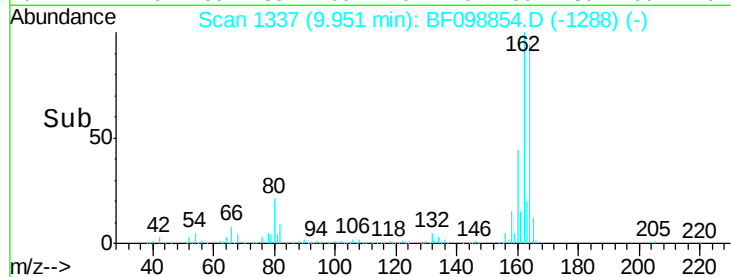
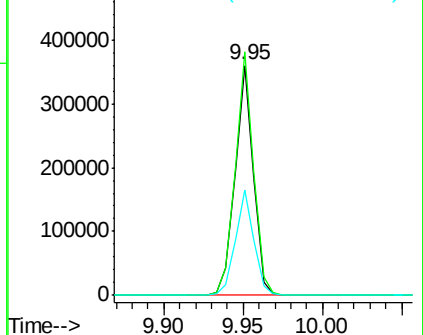
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098854.D
 Acq: 27 Sep 2017 11:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 288531
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 46.0 38.3 57.5

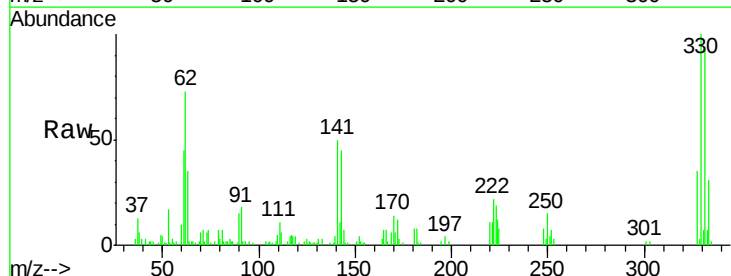


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

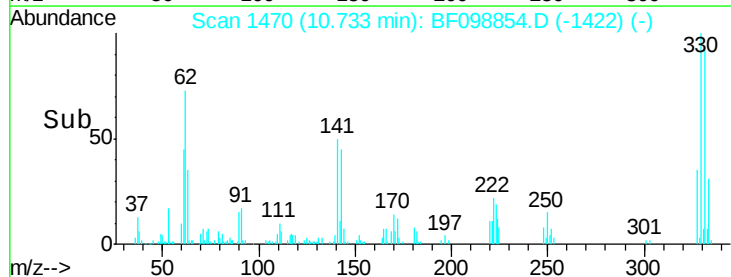
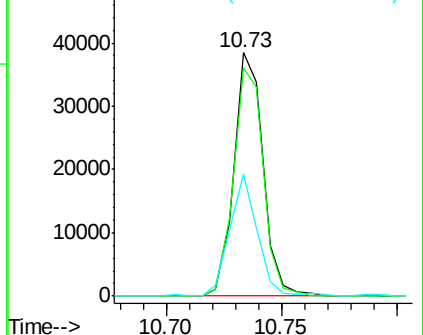


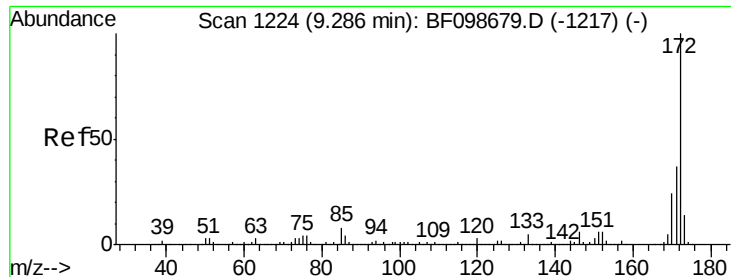
#41
 2,4,6-Tribromophenol
 Concen: 14.29 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098854.D
 Acq: 27 Sep 2017 11:00

Tgt Ion:330 Resp: 33750
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 48.4 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

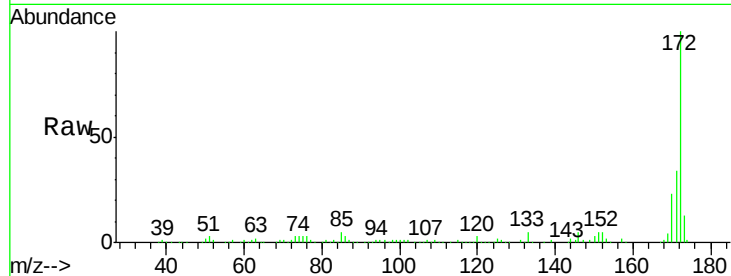




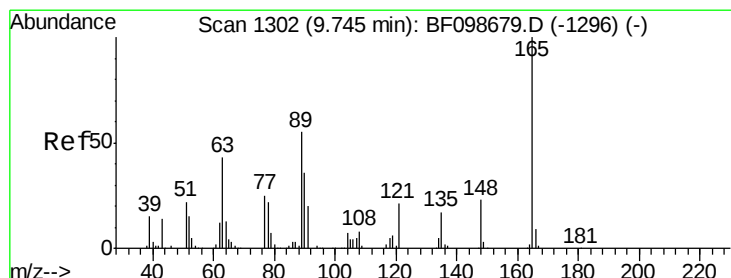
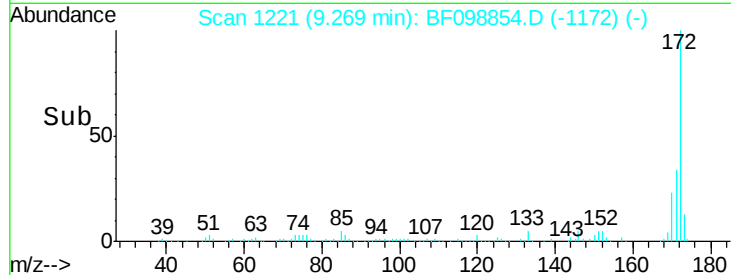
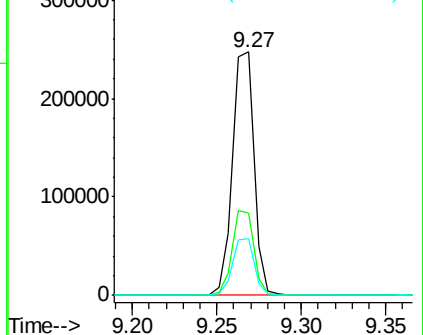
#44
 2-Fluorobiphenyl
 Concen: 12.69 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098854.D
 Acq: 27 Sep 2017 11:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.7	44.5
170	23.1	19.6	29.4

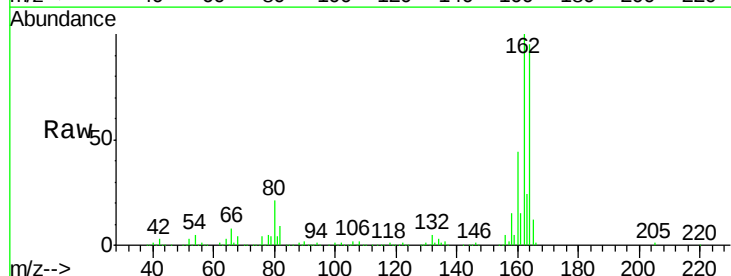


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

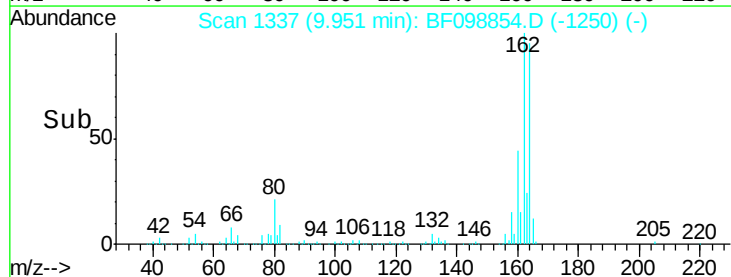
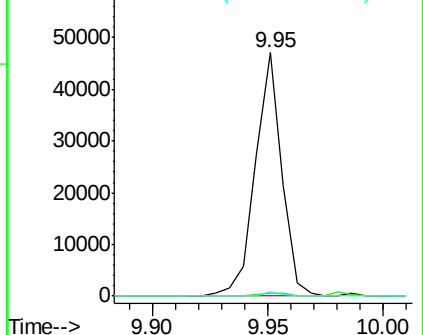


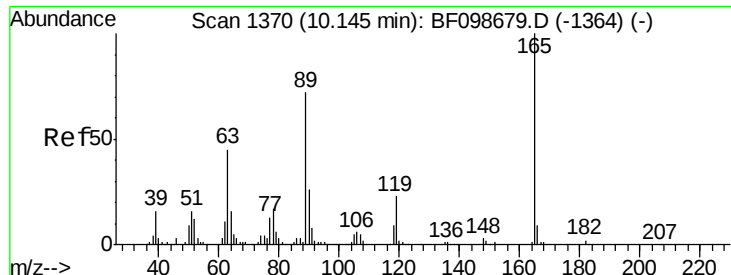
#50
 2,6-Dinitrotoluene
 Concen: 7.97 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098854.D
 Acq: 27 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.8	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

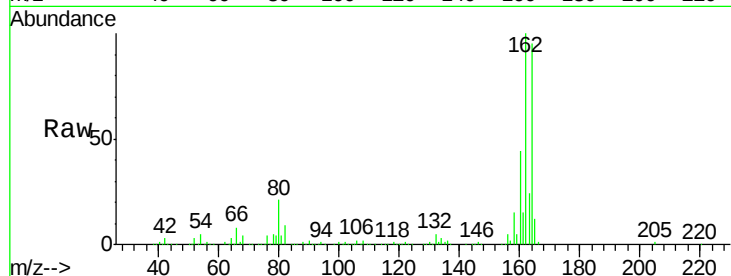




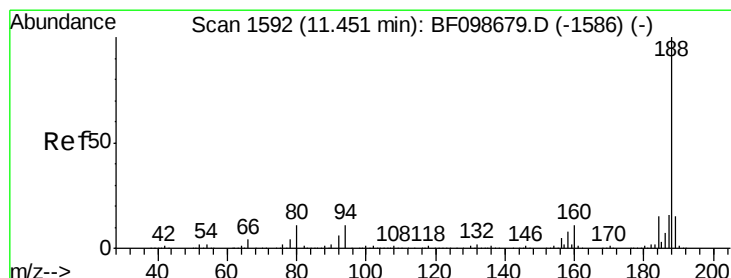
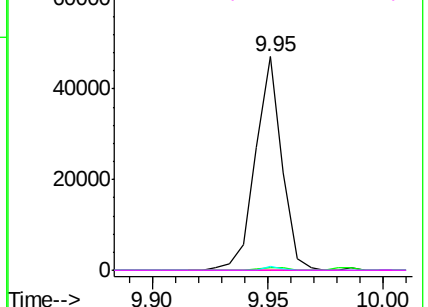
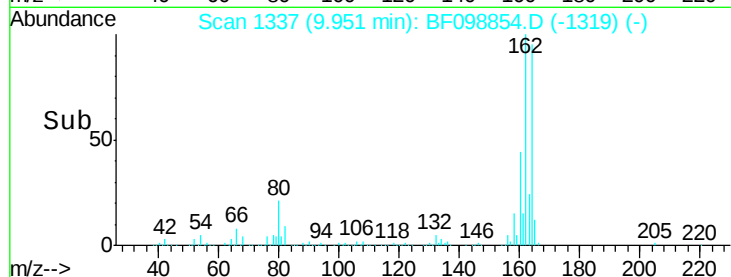
#56
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098854.D
Acq: 27 Sep 2017 11:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 37766
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#

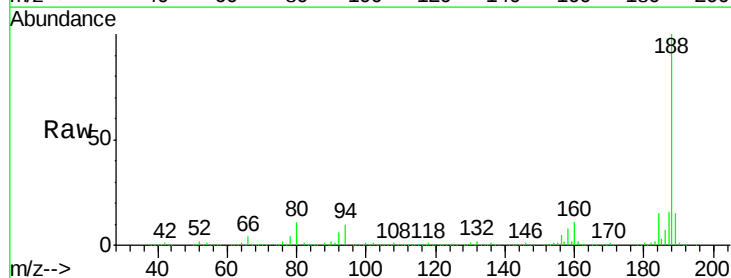


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

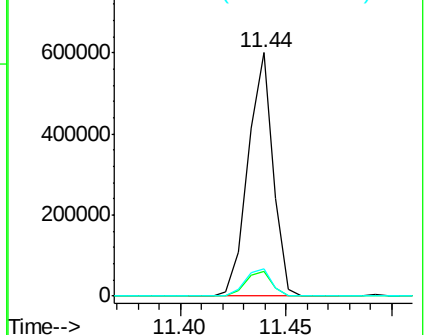
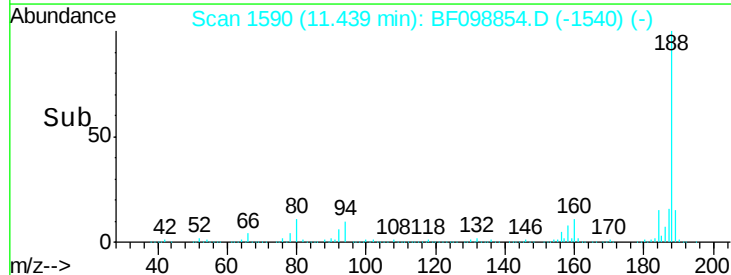


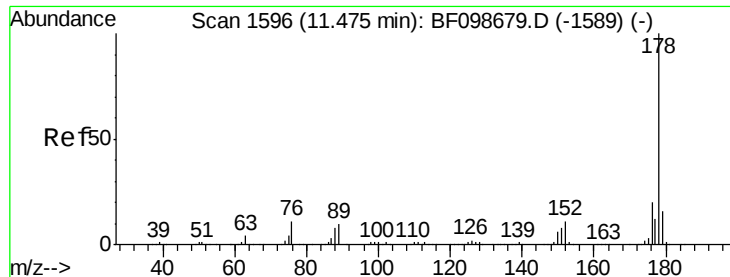
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098854.D
Acq: 27 Sep 2017 11:00

Tgt Ion:188 Resp: 494509
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.5 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

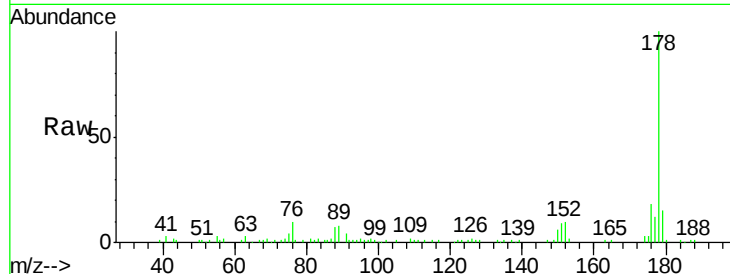




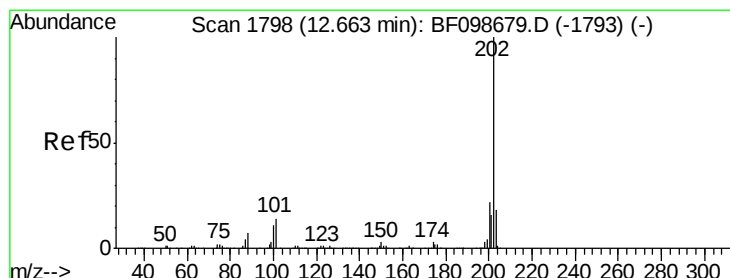
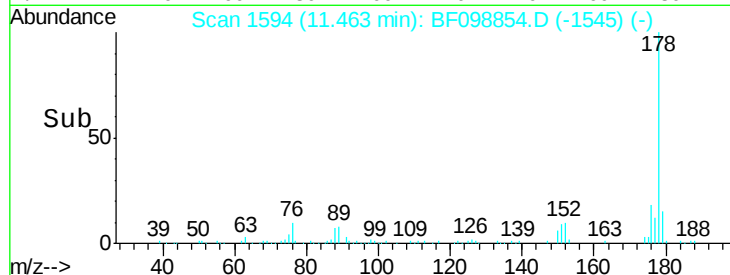
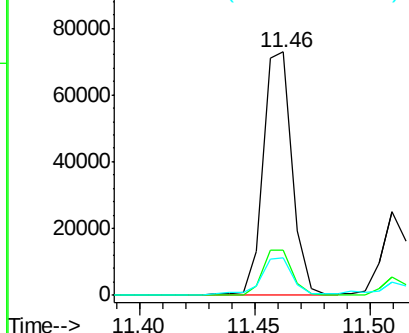
#70
Phenanthrene
Concen: 2.41 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098854.D
Acq: 27 Sep 2017 11:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 63856
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.4 13.0 19.6

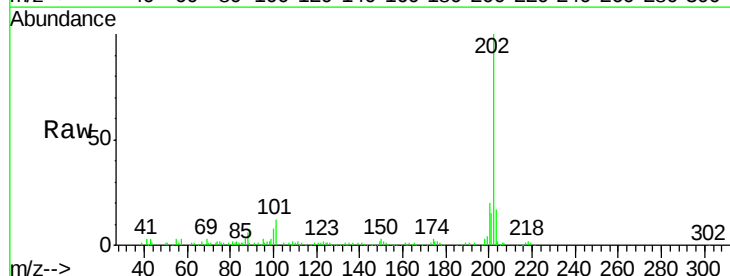


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

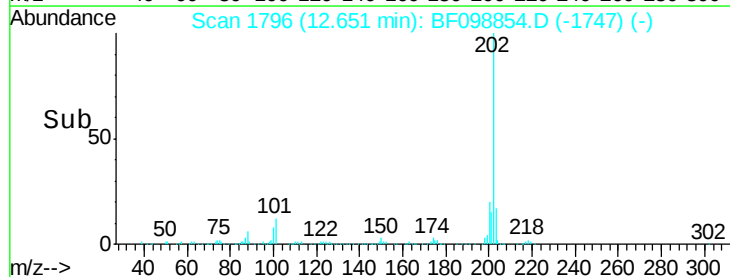
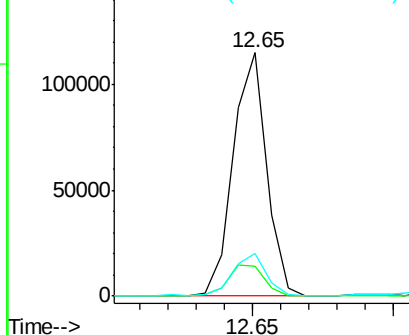


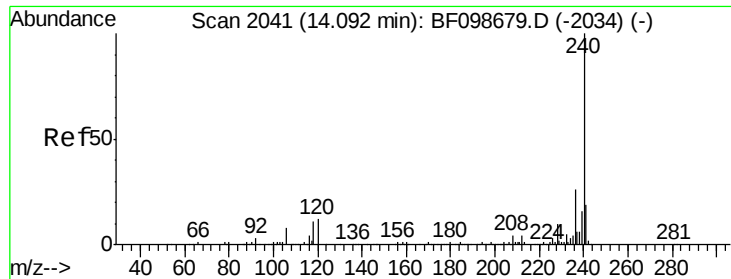
#74
Fluoranthene
Concen: 3.53 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF098854.D
Acq: 27 Sep 2017 11:00

Tgt Ion:202 Resp: 94638
Ion Ratio Lower Upper
202 100
101 12.3 0.0 34.1
203 17.5 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: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098854.D

Acq: 27 Sep 2017 11:00

Instrument :

BNA_F

ClientSampleId :

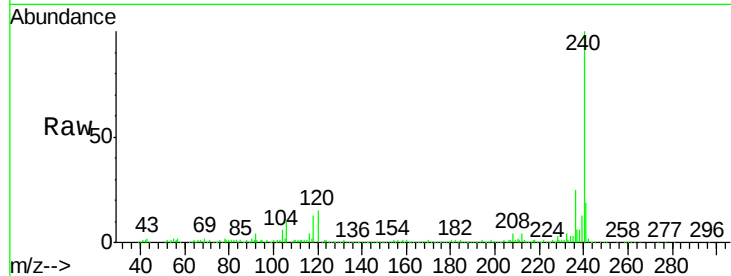
Tot Ion:240 Resp: 290019

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

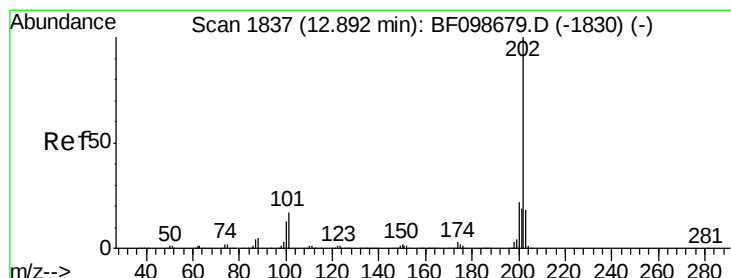
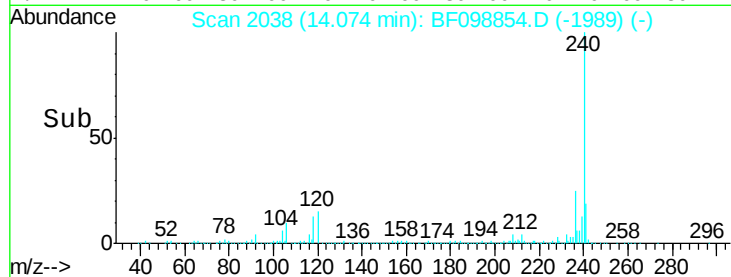
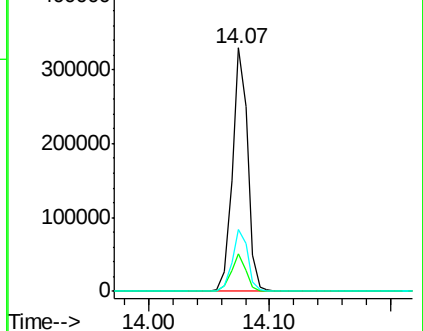
236 25.3 20.7 31.1



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

Pyrene

Concen: 3.67 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098854.D

Acq: 27 Sep 2017 11:00

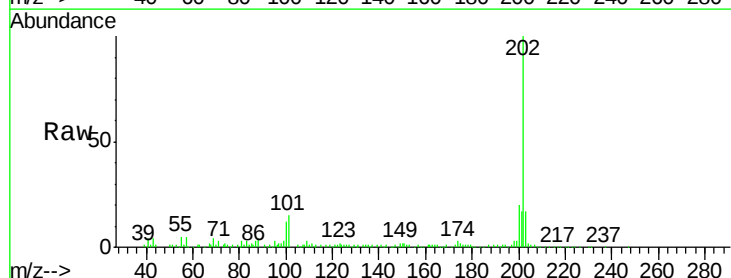
Tgt Ion:202 Resp: 81178

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

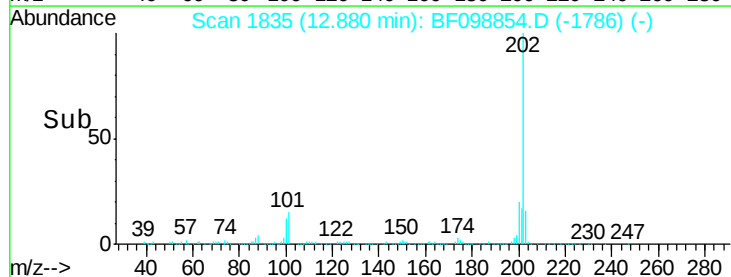
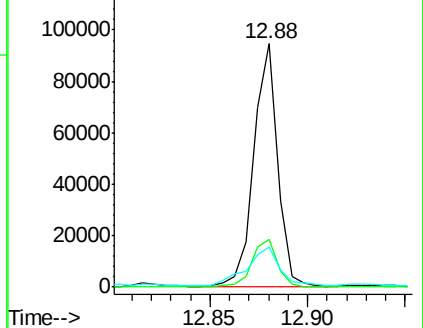
203 16.7 14.3 21.5

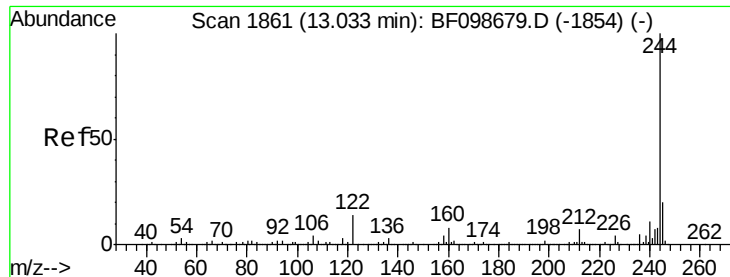


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.22 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098854.D

Acq: 27 Sep 2017 11:00

Instrument :

BNA_F

ClientSampleId :

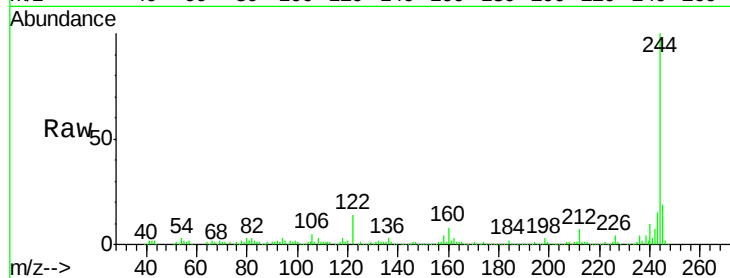
Tot Ion:244 Resp: 168545

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

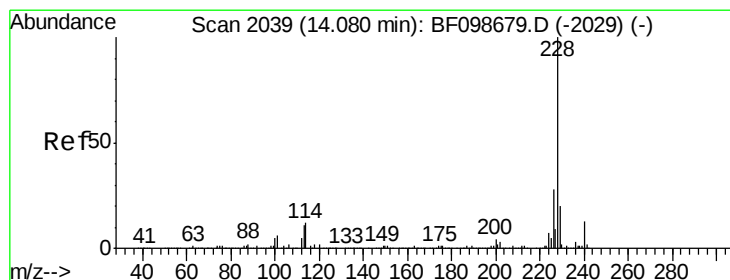
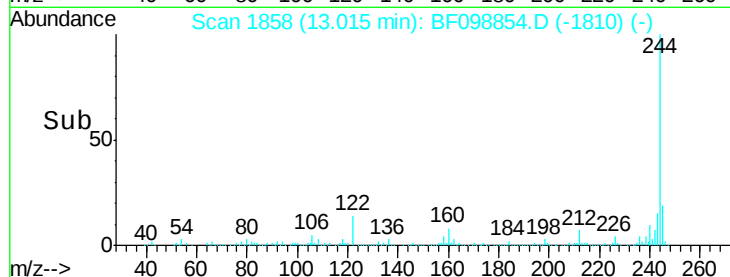
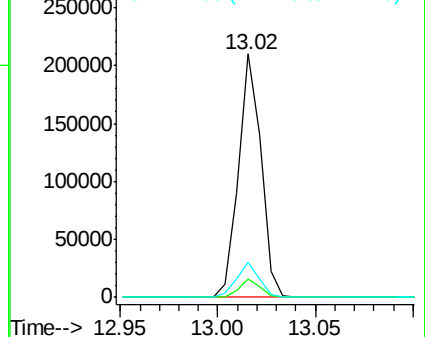
122 14.2 11.0 16.4



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: 2.12 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF098854.D

Acq: 27 Sep 2017 11:00

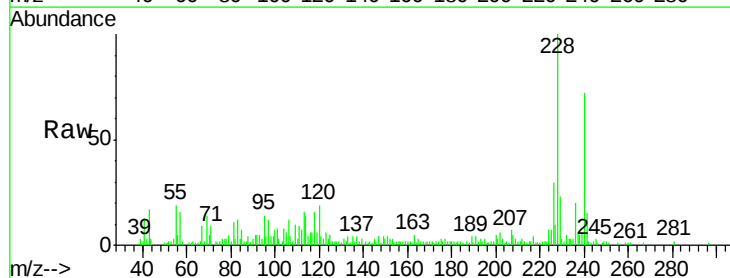
Tgt Ion:228 Resp: 37167

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

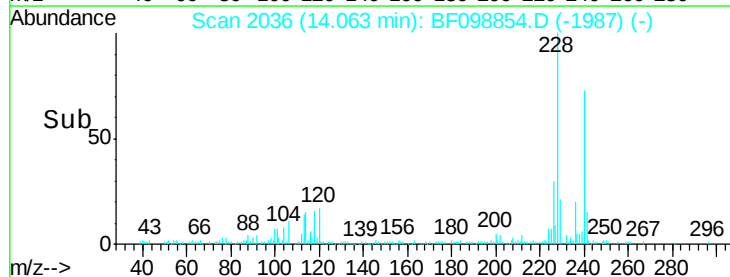
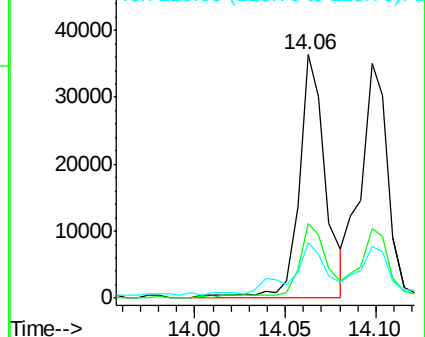
229 23.0 15.8 23.6

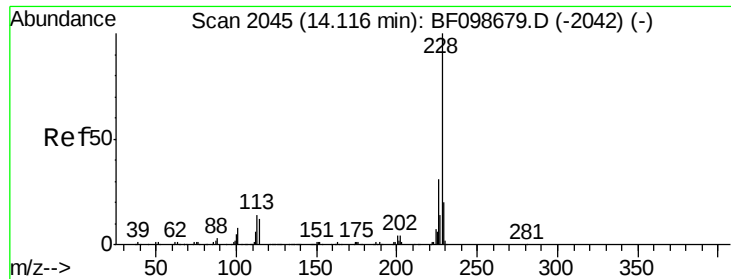


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.22 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BF098854.D

Acq: 27 Sep 2017 11:00

Instrument :

BNA_F

ClientSampleId :

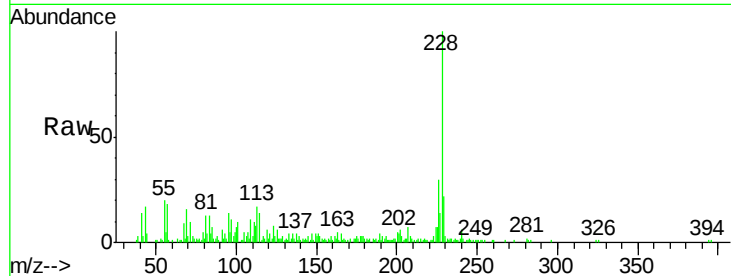
Tot Ion:228 Resp: 37088

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

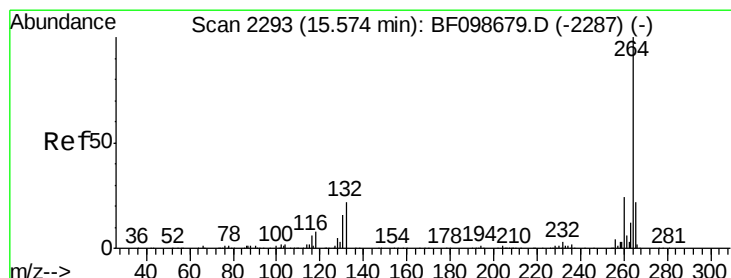
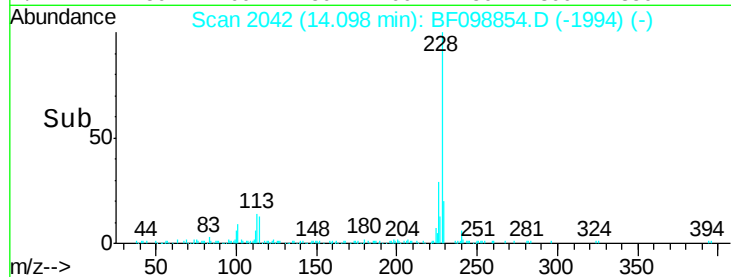
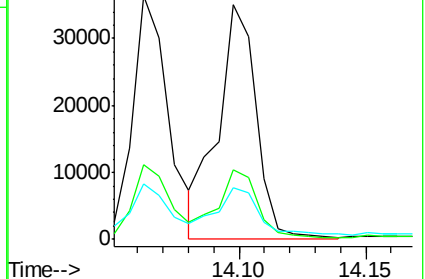
229 22.2 16.2 24.4



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: BF098854.D

Acq: 27 Sep 2017 11:00

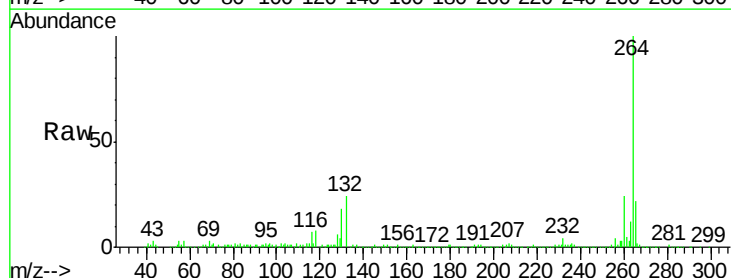
Tgt Ion:264 Resp: 278809

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

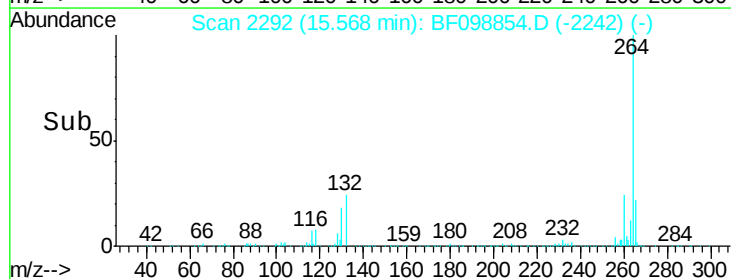
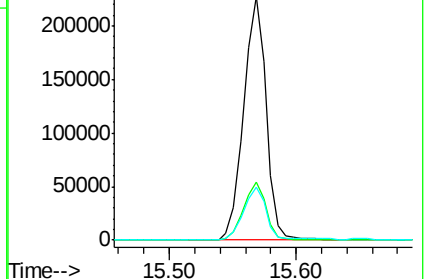
265 21.6 17.5 26.3

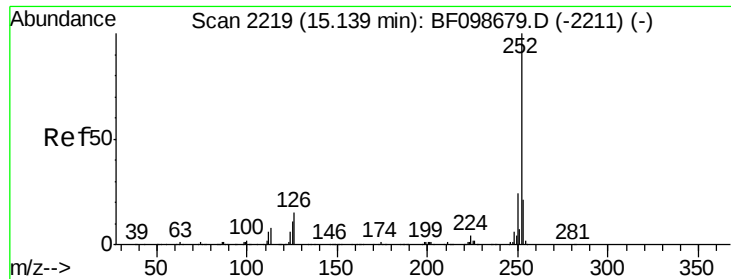


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.78 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF098854.D

Acq: 27 Sep 2017 11:00

Instrument :

BNA_F

ClientSampleId :

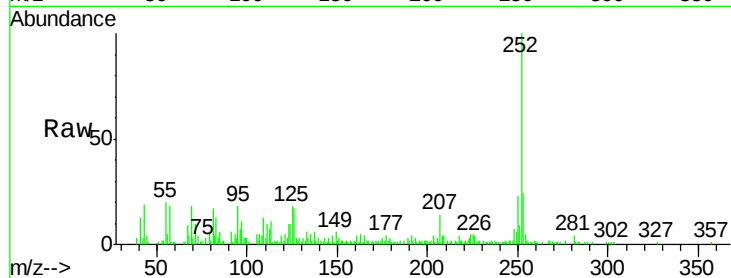
Tot Ion:252 Resp: 64857

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

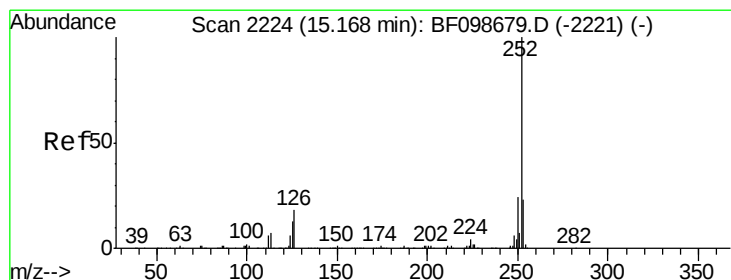
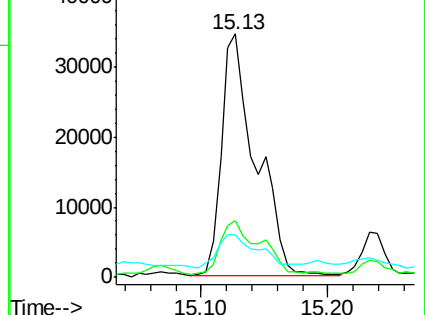
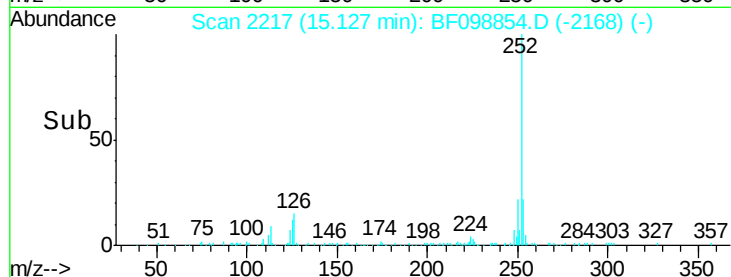
125 17.5 9.0 13.6#



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: 3.83 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.04 min

Lab File: BF098854.D

Acq: 27 Sep 2017 11:00

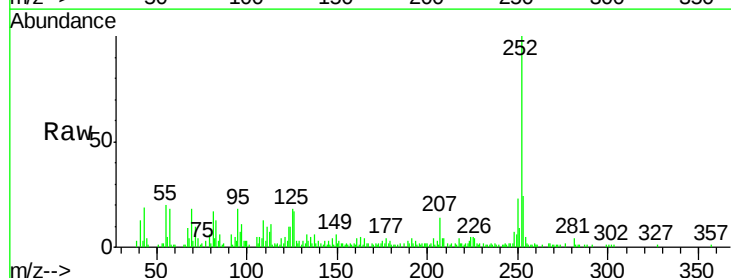
Tgt Ion:252 Resp: 64857

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 17.5 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

