

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
 Data File : BF087856.D
 Acq On : 9 Jun 2016 17:00
 Operator : UM/SJ
 Sample : H3399-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-25

Quant Time: Jun 09 17:49:22 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

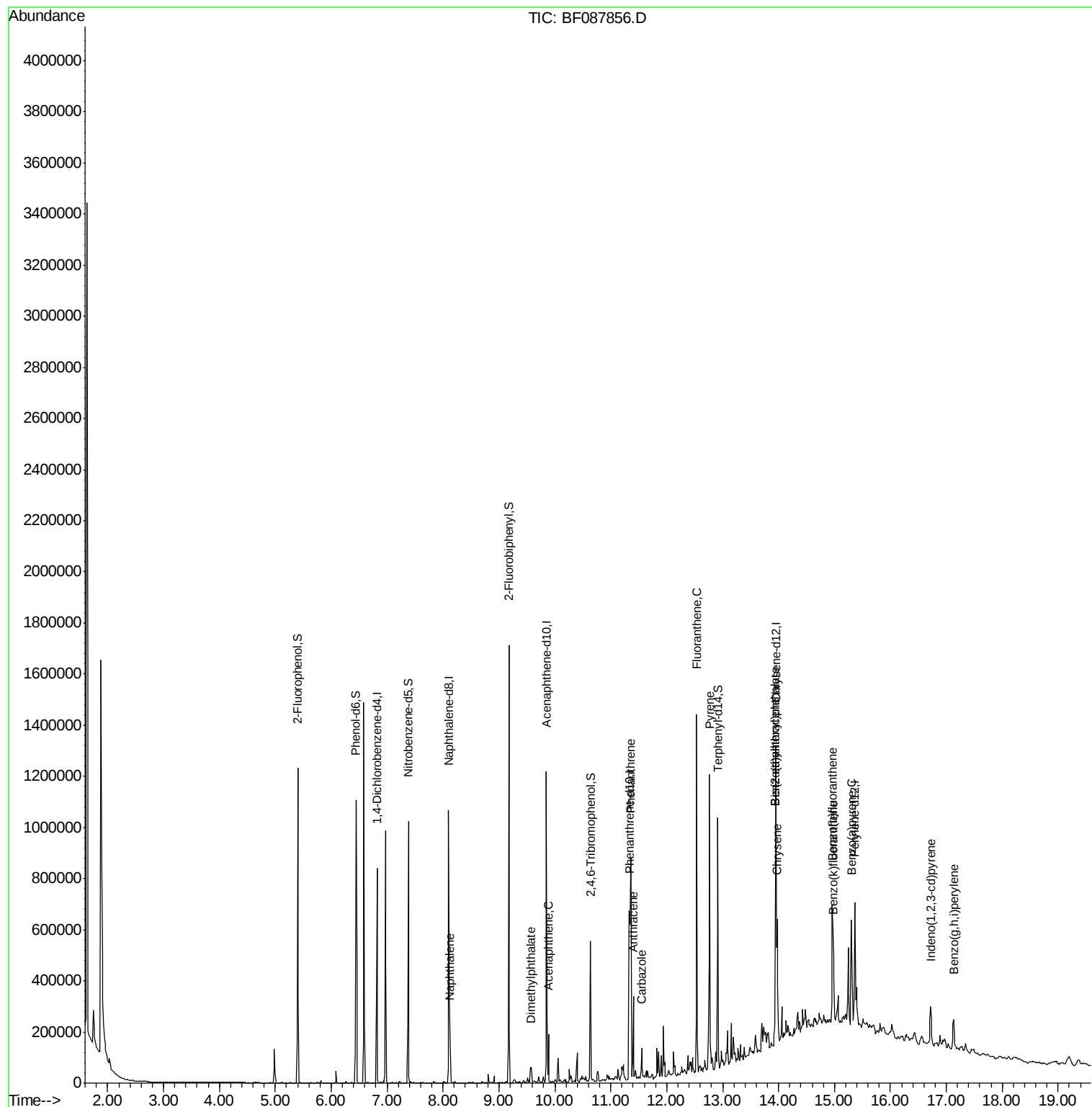
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	142179	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	503092	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	224270	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	358190	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	275703	20.00	ng	-0.03
86) Perylene-d12	15.36	264	257053	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	368243	44.28	ng	-0.02
7) Phenol-d6	6.44	99	444448	44.10	ng	-0.03
23) Nitrobenzene-d5	7.38	82	306164	35.54	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	97761	41.28	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	484824	30.40	ng	-0.03
78) Terphenyl-d14	12.91	244	333477	27.52	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.12	128	57930	2.33	ng	98
49) Dimethylphthalate	9.58	163	36819	2.27	ng	# 98
51) Acenaphthene	9.88	154	39575	2.75	ng	98
70) Phenanthrene	11.36	178	434800	23.13	ng	98
71) Anthracene	11.40	178	124062	6.54	ng	98
72) Carbazole	11.55	167	51579	2.91	ng	98
74) Fluoranthene	12.54	202	504763	25.45	ng	99
77) Pyrene	12.77	202	459021	22.44	ng	99
80) Benzo(a)anthracene	13.94	228	273470	17.41	ng	98
82) Chrysene	13.98	228	187263	12.67	ng	96
83) Bis(2-ethylhexyl)phthalate	13.94	149	35536	3.23	ng	98
85) Indeno(1,2,3-cd)pyrene	16.72	276	104438	7.61	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	302004m	16.86	ng	
88) Benzo(k)fluoranthene	14.98	252	62184m	4.60	ng	
89) Benzo(a)pyrene	15.30	252	190013	13.11	ng	99
91) Benzo(g,h,i)perylene	17.13	276	93854	6.78	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

Instrument :

BNA_F

ClientSampleId :

SS-25

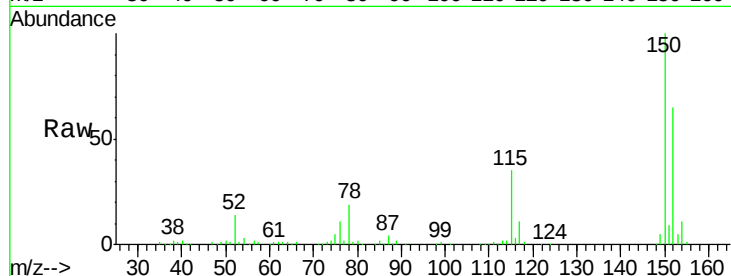
Tot Ion:152 Resp: 142179

Ion Ratio Lower Upper

152 100

150 154.4 123.8 185.6

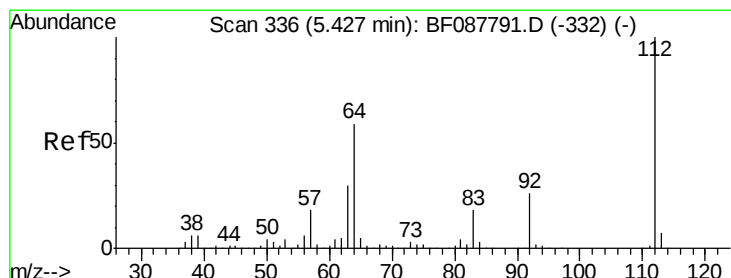
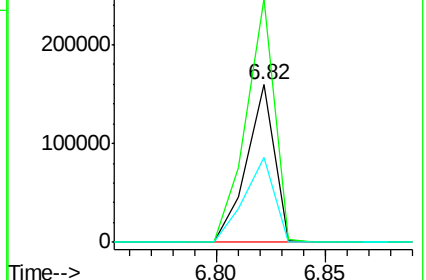
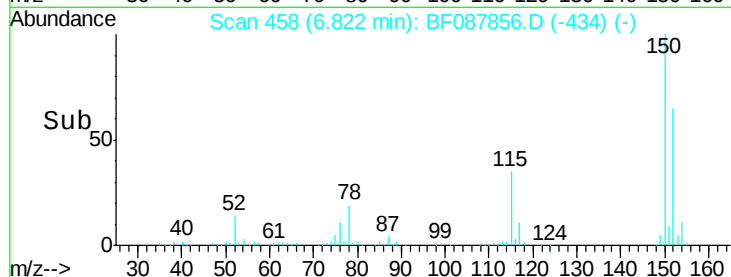
115 53.8 39.6 59.4



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: 44.28 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

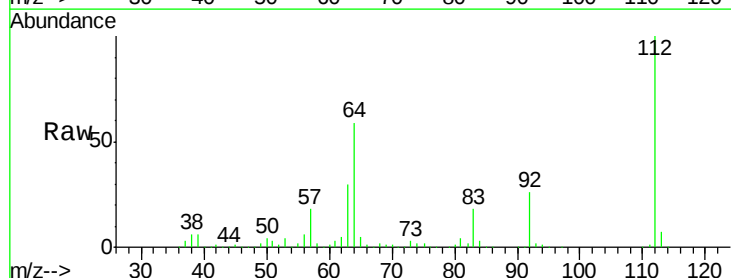
Tgt Ion:112 Resp: 368243

Ion Ratio Lower Upper

112 100

64 58.5 42.2 63.2

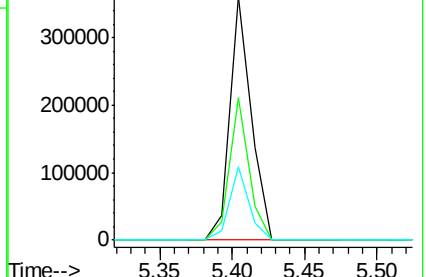
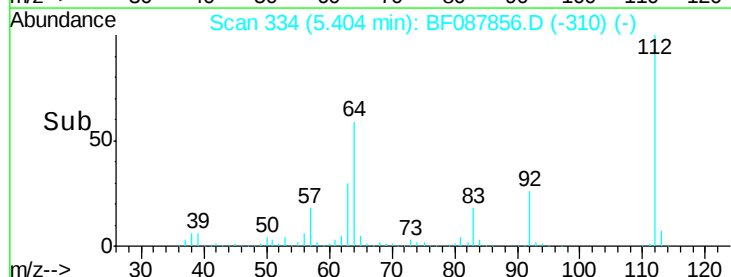
63 30.2 21.8 32.8



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: 44.10 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

Instrument :

BNA_F

ClientSampled :

SS-25

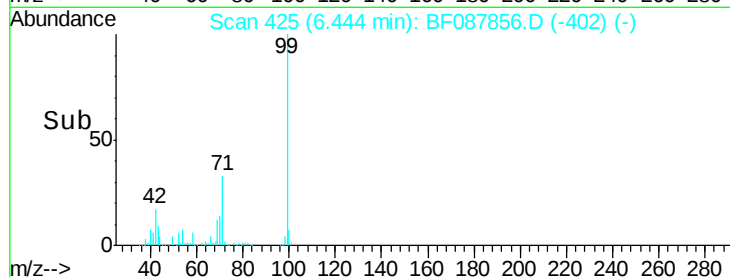
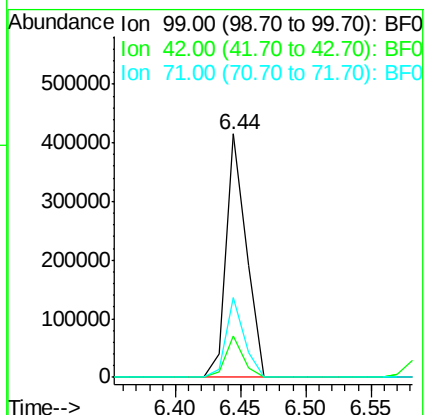
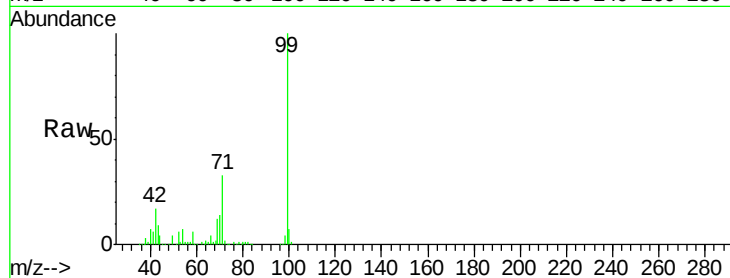
Tot Ion: 99 Resp: 444448

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

71 32.7 23.4 35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

Tgt Ion: 136 Resp: 503092

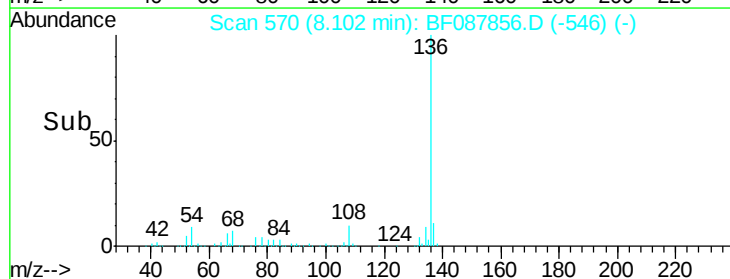
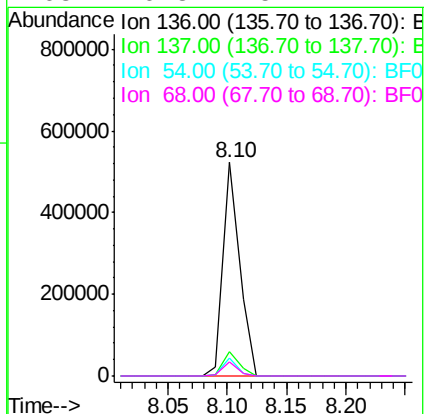
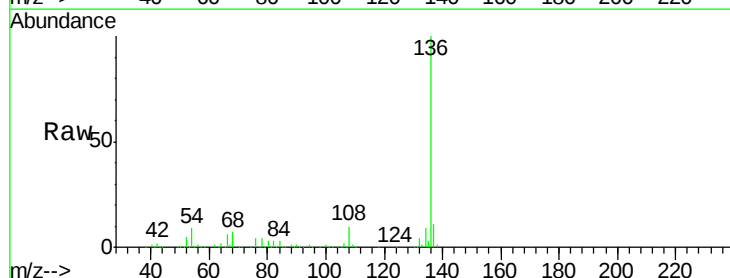
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.7 6.6 10.0

68 6.8 5.1 7.7

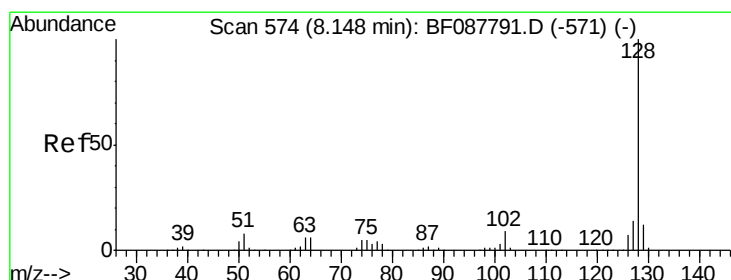
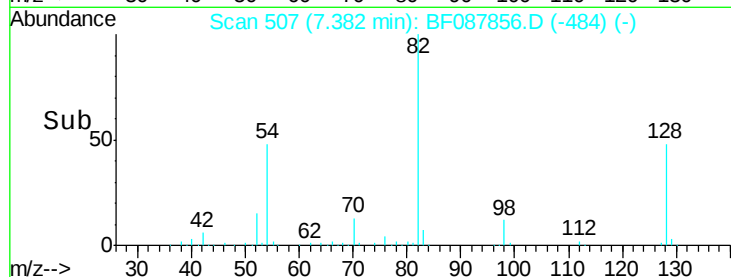
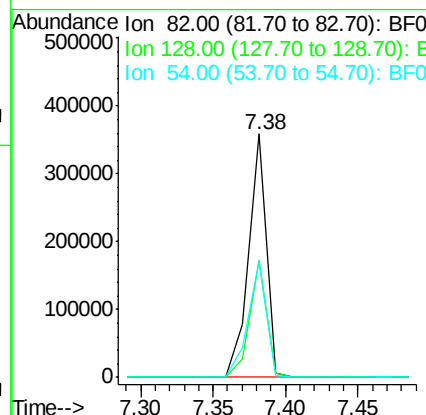
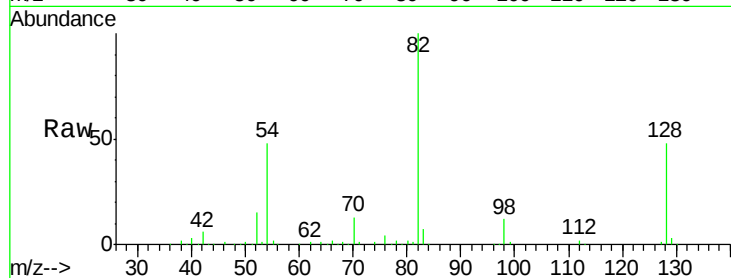




#23
Nitrobenzene-d5
Concen: 35.54 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

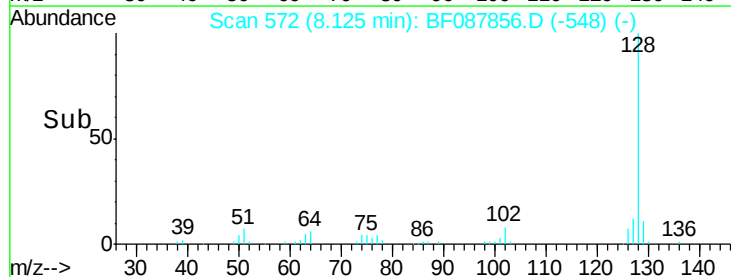
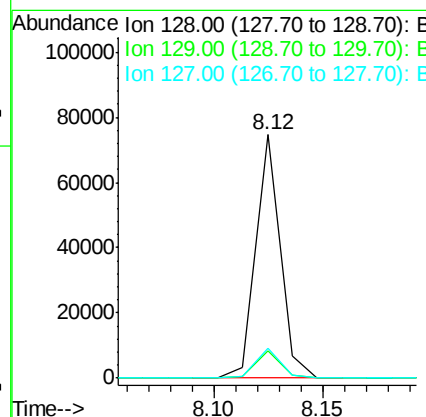
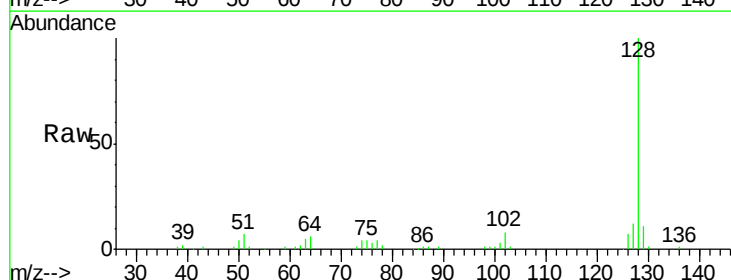
Instrument :
BNA_F
ClientSampleId :
SS-25

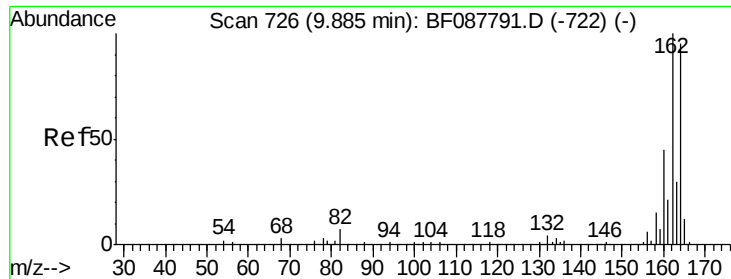
Tot Ion: 82 Resp: 306164
Ion Ratio Lower Upper
82 100
128 47.8 35.9 53.9
54 47.7 40.9 61.3



#31
Naphthalene
Concen: 2.33 ng
RT: 8.12 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

Tgt Ion: 128 Resp: 57930
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.5 10.9 16.3

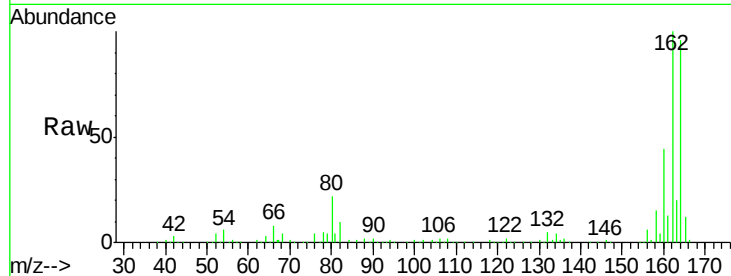




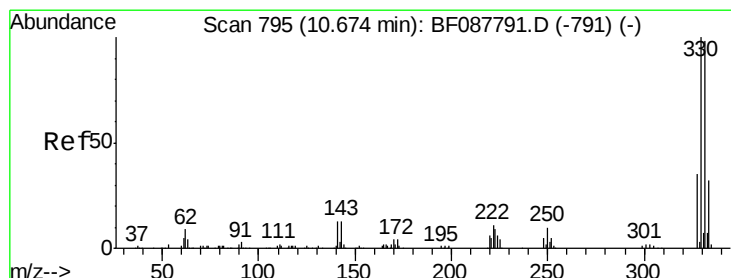
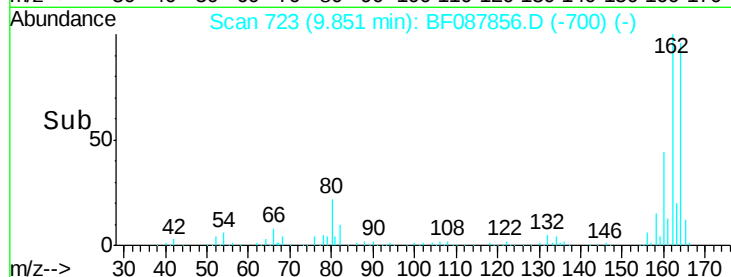
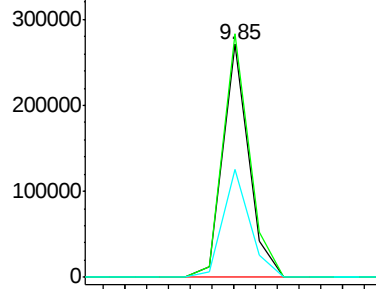
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087856.D
 Acq: 9 Jun 2016 17:00

Instrument :
 BNA_F
 ClientSampleId :
 SS-25

Tot Ion:164 Resp: 224270
 Ion Ratio Lower Upper
 164 100
 162 104.4 85.4 128.2
 160 46.1 39.5 59.3

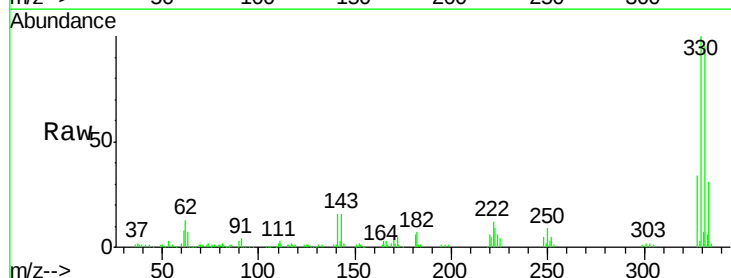


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

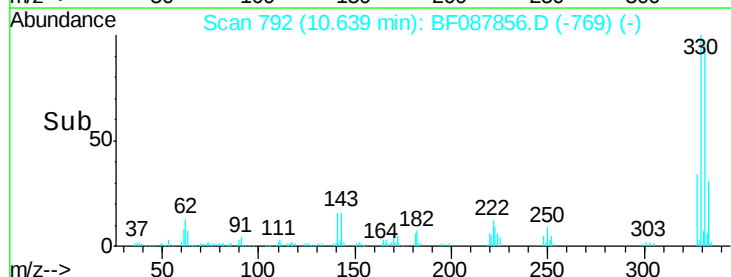
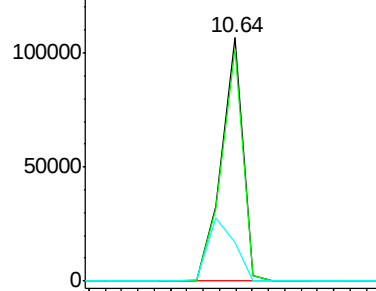


#41
 2,4,6-Tribromophenol
 Concen: 41.28 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087856.D
 Acq: 9 Jun 2016 17:00

Tgt Ion:330 Resp: 97761
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 32.3 0.0 0.0#



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

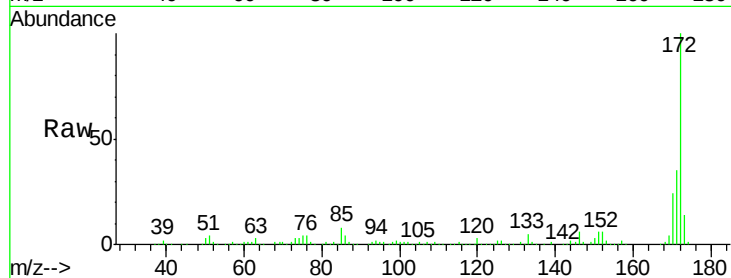




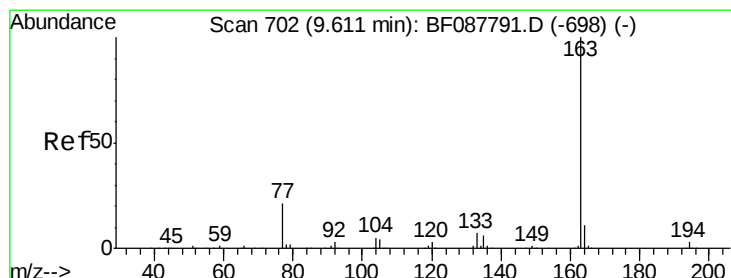
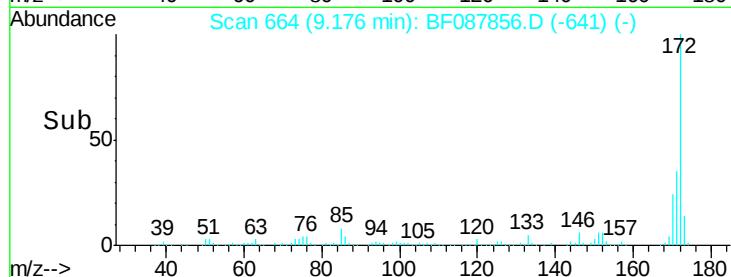
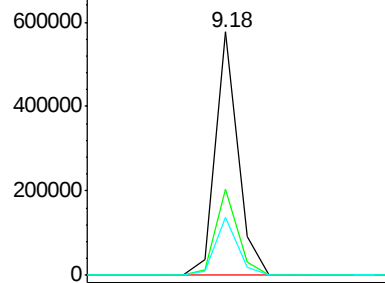
#44
2-Fluorobiphenyl
Concen: 30.40 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

Instrument :
BNA_F
ClientSampleId :
SS-25

Tot Ion:172 Resp: 484824
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.7 19.2 28.8

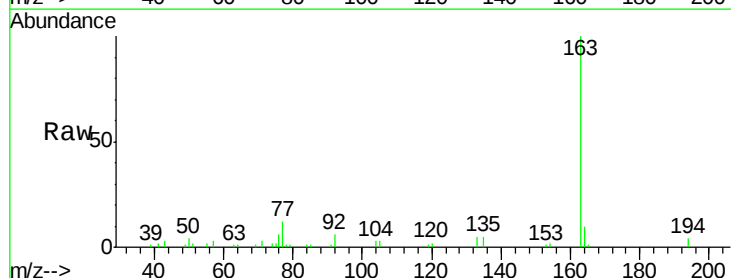


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

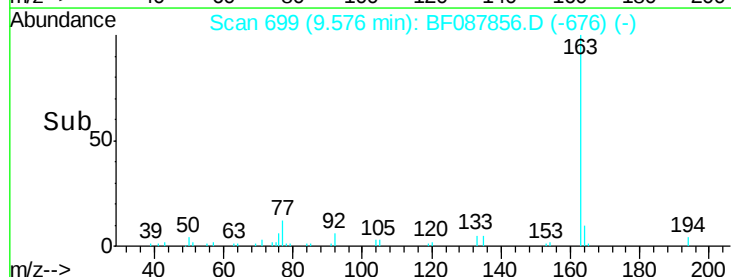
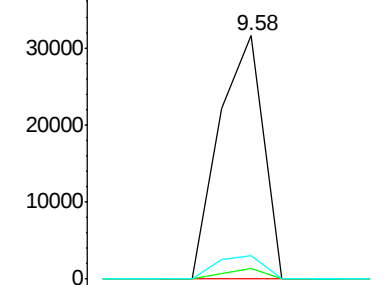


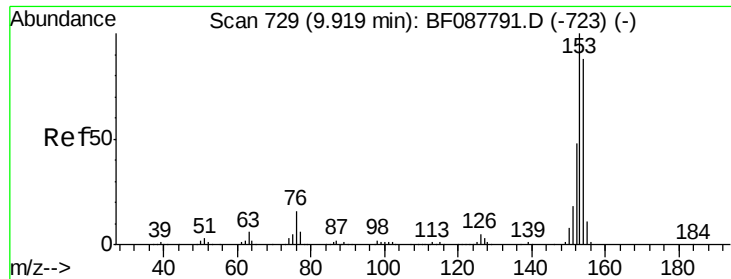
#49
Dimethylphthalate
Concen: 2.27 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.03 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

Tgt Ion:163 Resp: 36819
Ion Ratio Lower Upper
163 100
194 4.3 2.8 4.2#
164 9.9 8.3 12.5



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





#51

Acenaphthene

Concen: 2.75 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

Instrument :

BNA_F

ClientSampleId :

SS-25

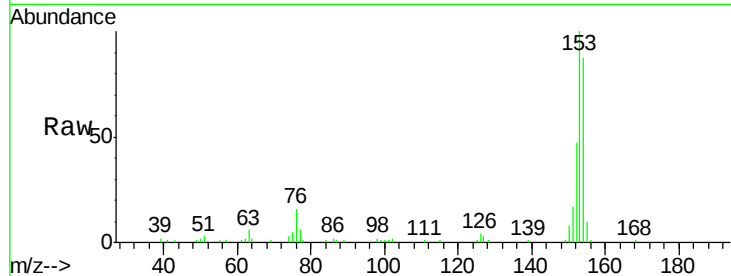
Tot Ion:154 Resp: 39575

Ion Ratio Lower Upper

154 100

153 115.1 89.5 134.3

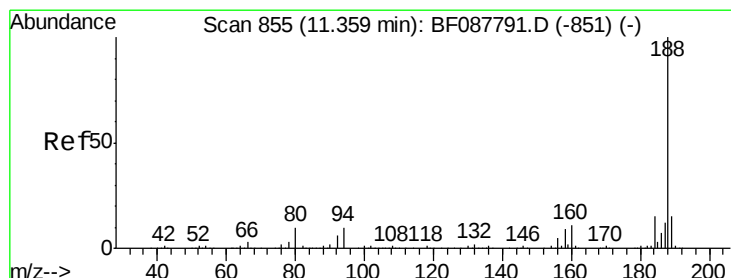
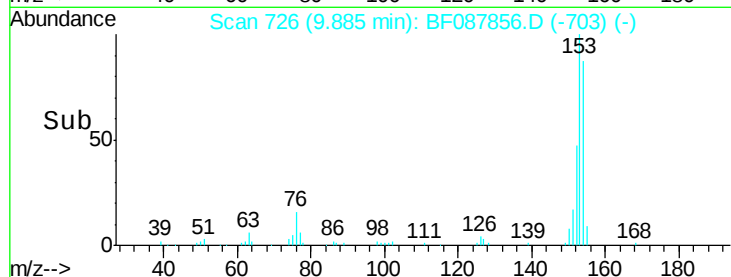
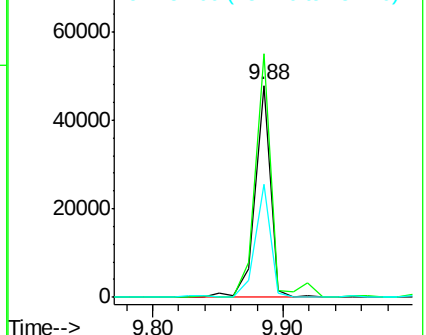
152 53.6 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

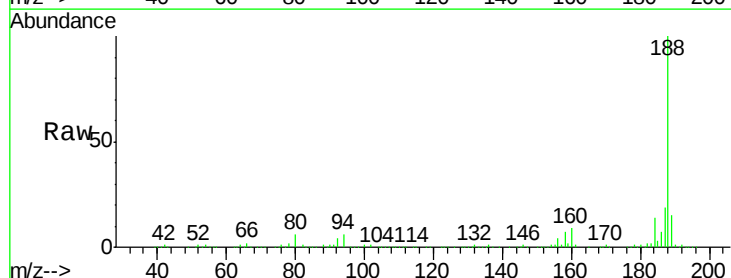
Tgt Ion:188 Resp: 358190

Ion Ratio Lower Upper

188 100

94 6.4 9.0 13.6#

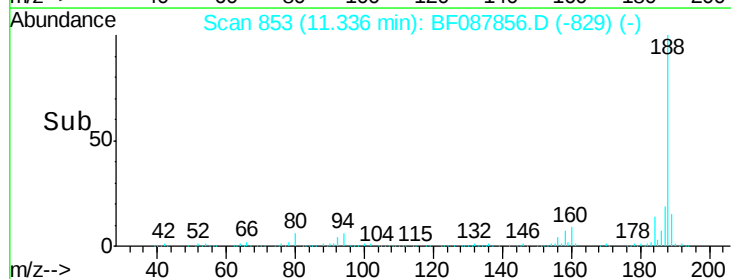
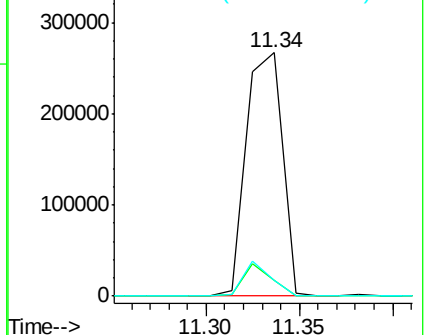
80 6.3 10.0 15.0#

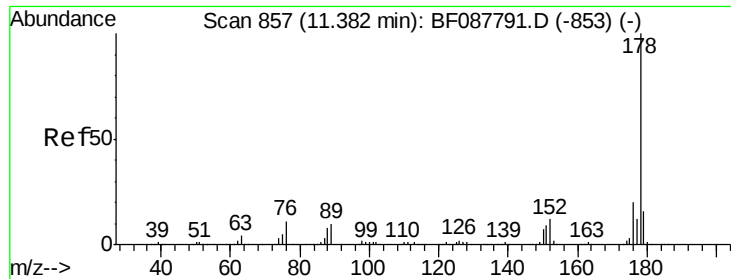


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

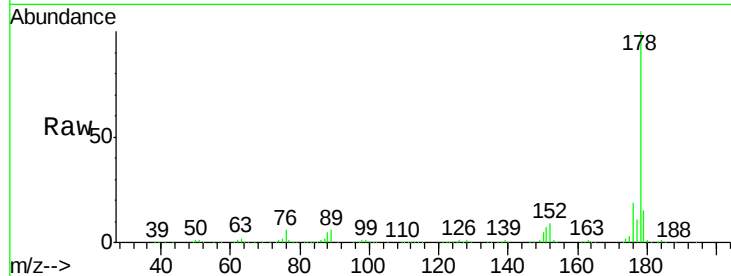




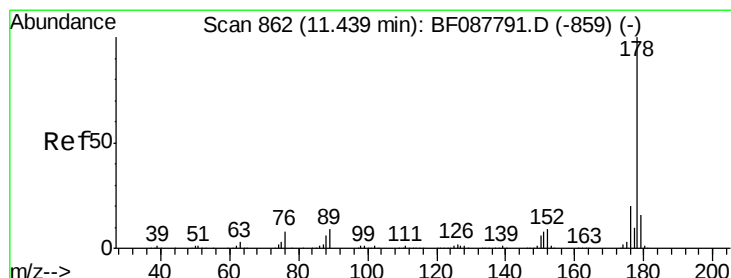
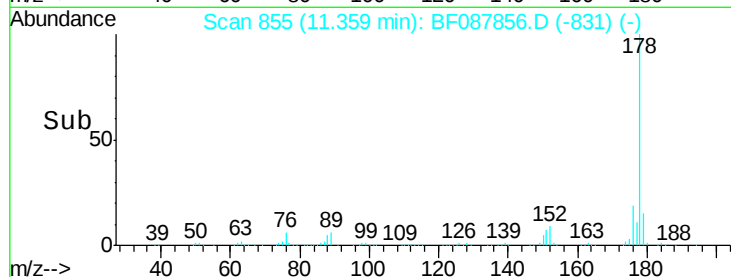
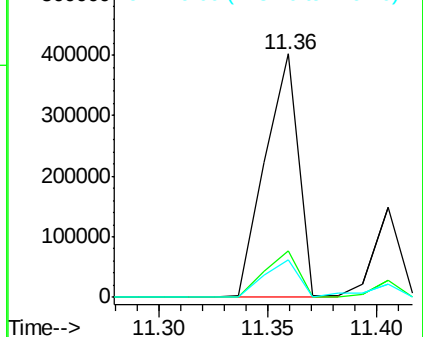
#70
Phenanthrene
Concen: 23.13 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.02 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

Instrument :
BNA_F
ClientSampled :
SS-25

Tot Ion:178 Resp: 434800
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.2 13.0 19.4

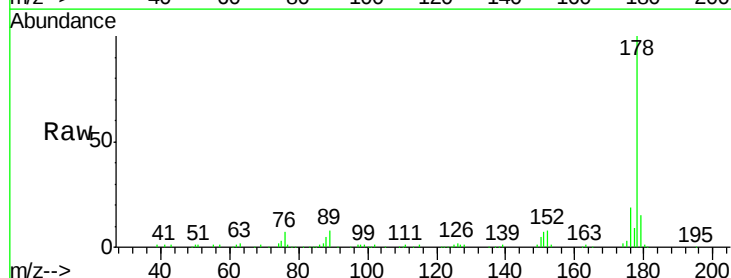


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

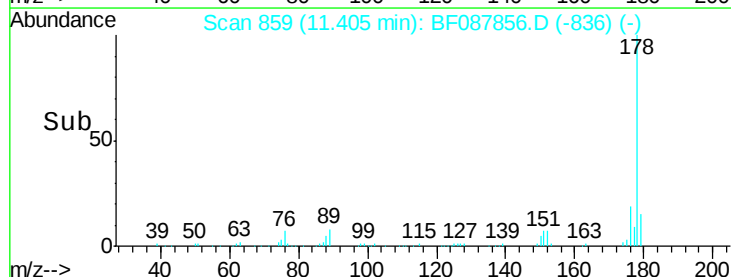
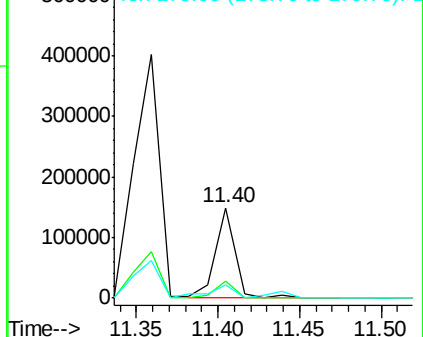


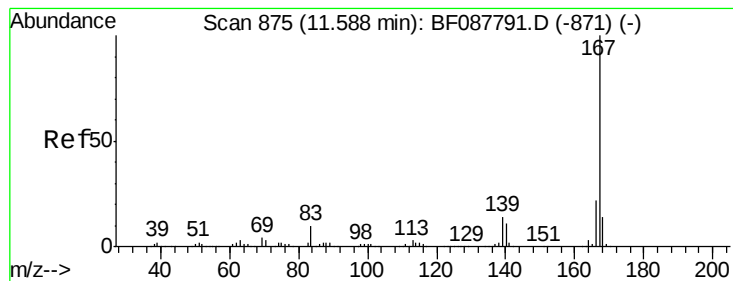
#71
Anthracene
Concen: 6.54 ng
RT: 11.40 min Scan# 859
Delta R.T. -0.03 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

Tgt Ion:178 Resp: 124062
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.1 12.8 19.2



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





#72

Carbazole

Concen: 2.91 ng

RT: 11.55 min Scan# 872

Delta R.T. -0.03 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

Instrument :

BNA_F

ClientSampleId :

SS-25

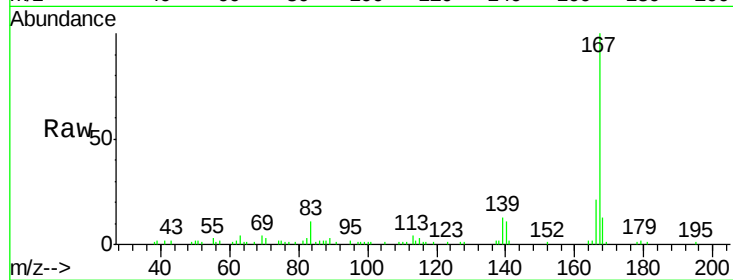
Tot Ion:167 Resp: 51579

Ion Ratio Lower Upper

167 100

166 21.0 17.8 26.6

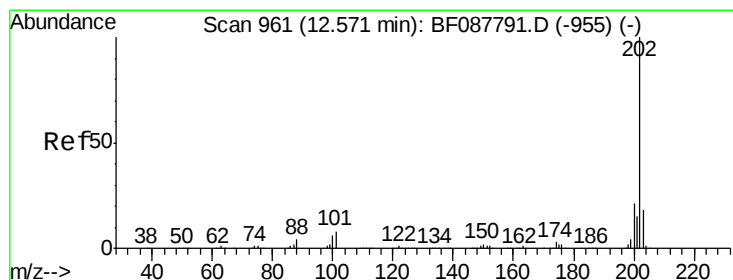
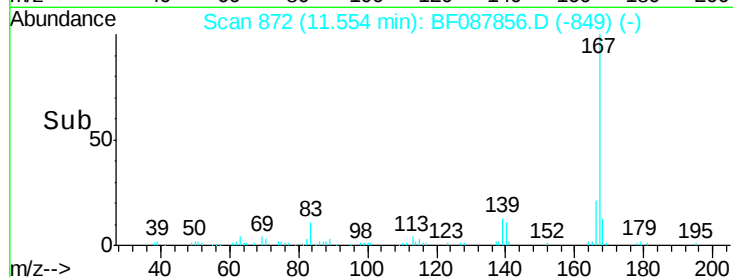
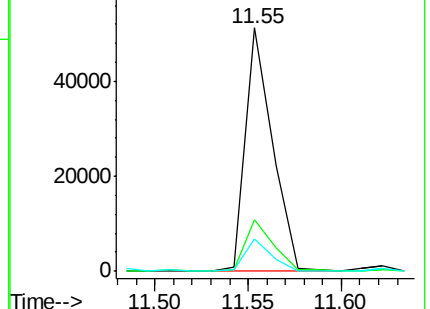
139 13.3 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 25.45 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

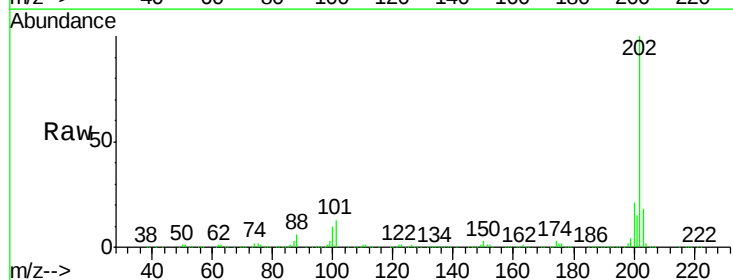
Tgt Ion:202 Resp: 504763

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.1

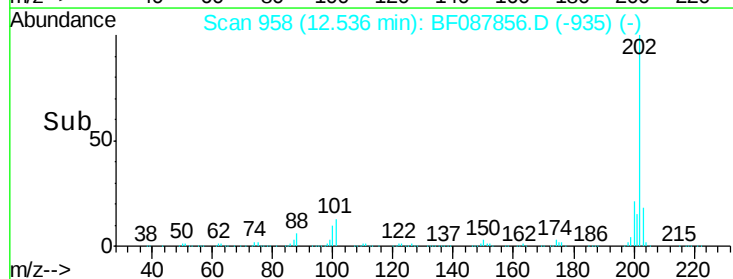
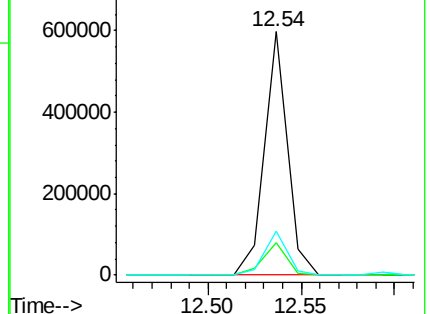
203 17.9 0.0 38.1

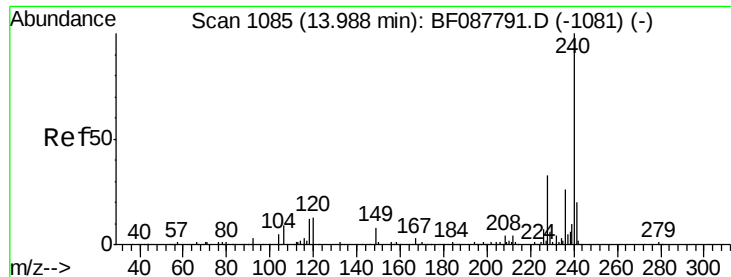


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

Instrument :

BNA_F

ClientSampleId :

SS-25

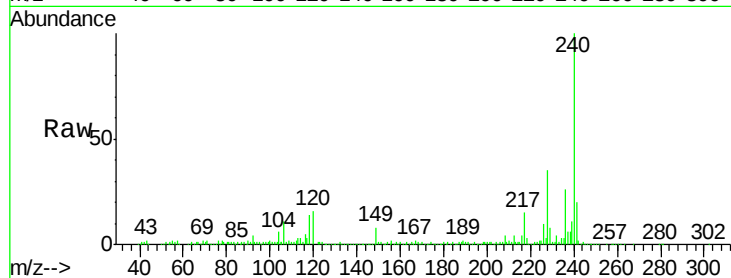
Tot Ion:240 Resp: 275703

Ion Ratio Lower Upper

240 100

120 15.8 6.8 10.2#

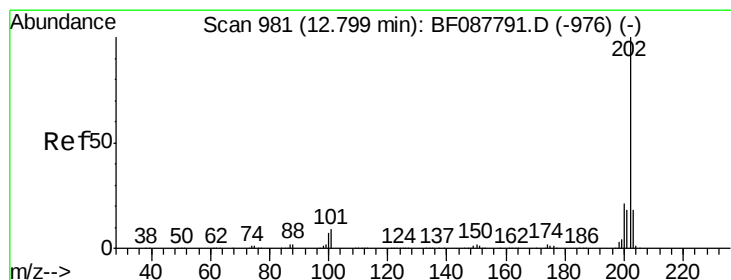
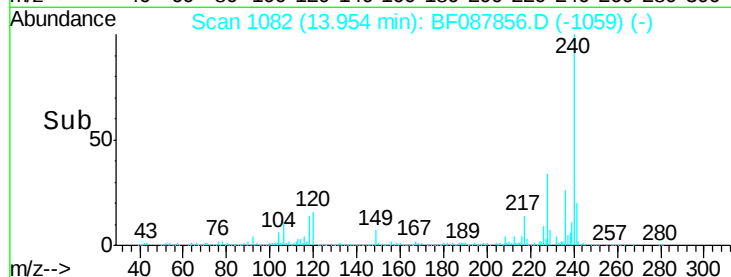
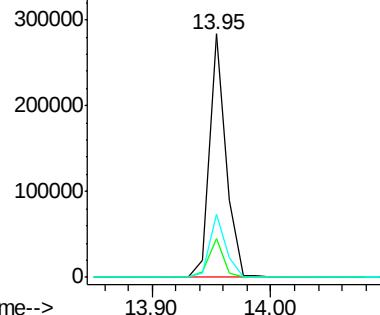
236 25.9 20.2 30.2



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: 22.44 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

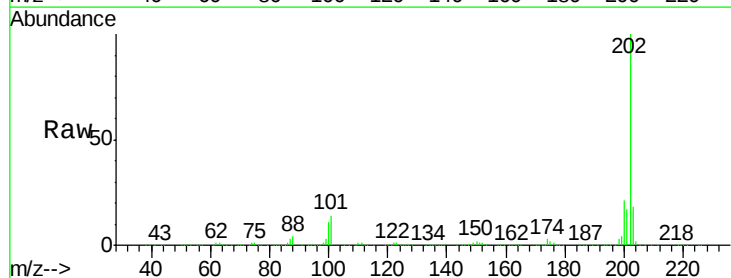
Tgt Ion:202 Resp: 459021

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

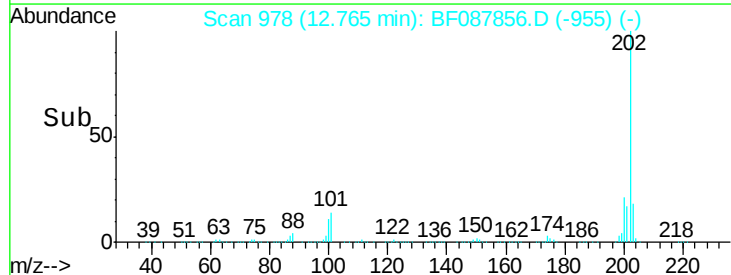
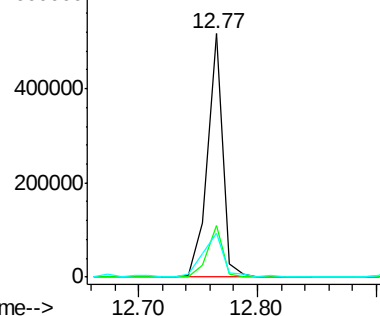
203 17.8 14.5 21.7

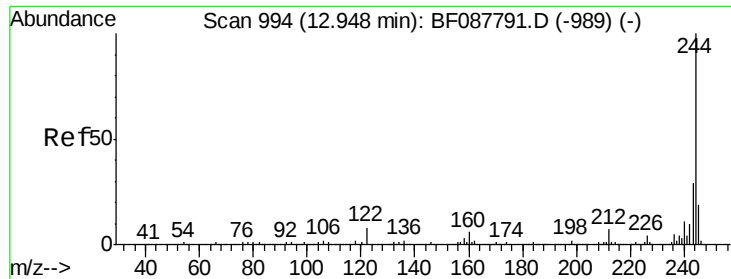


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

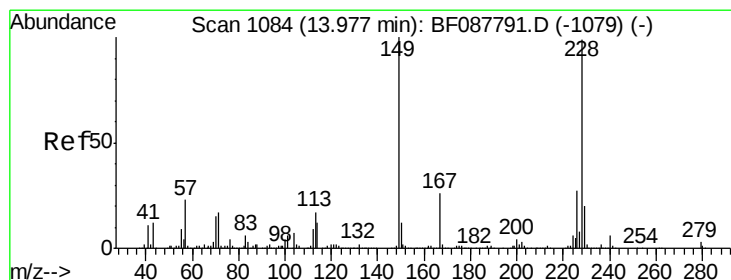
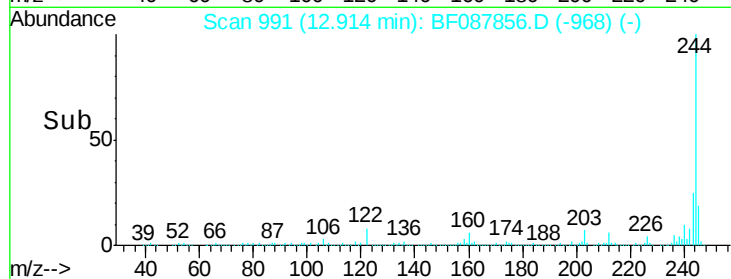
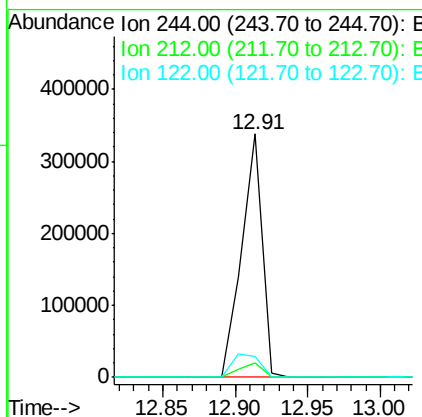
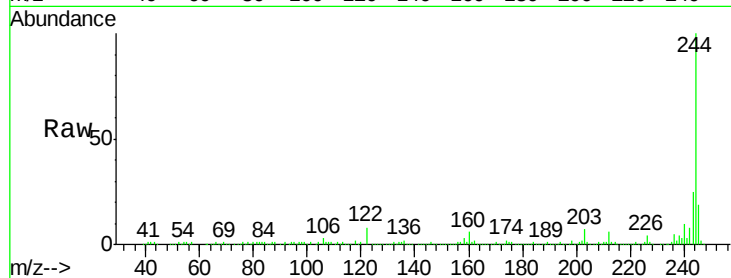




#78
 Terphenyl-d14
 Concen: 27.52 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087856.D
 Acq: 9 Jun 2016 17:00

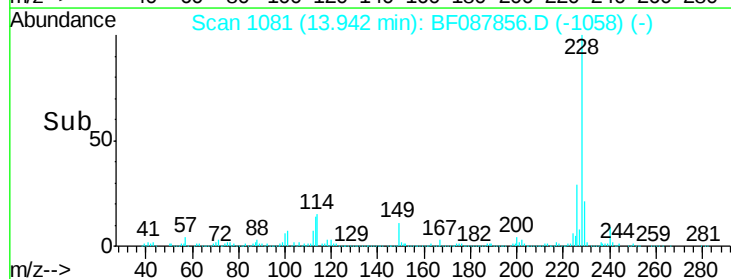
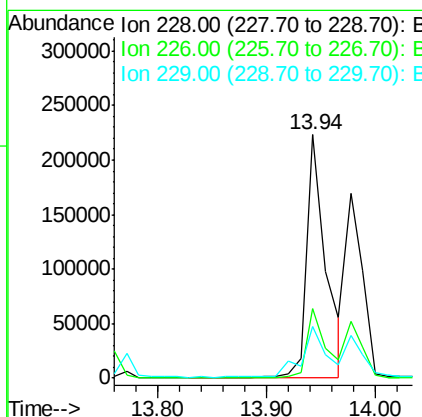
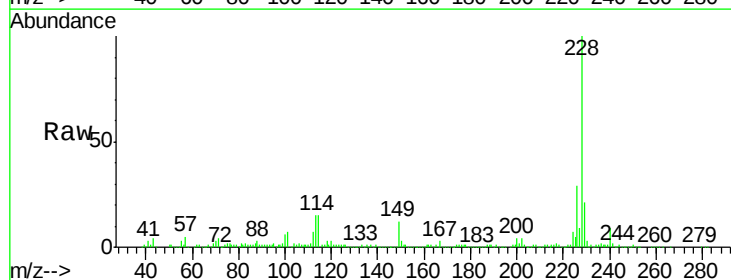
Instrument :
 BNA_F
 ClientSampleId :
 SS-25

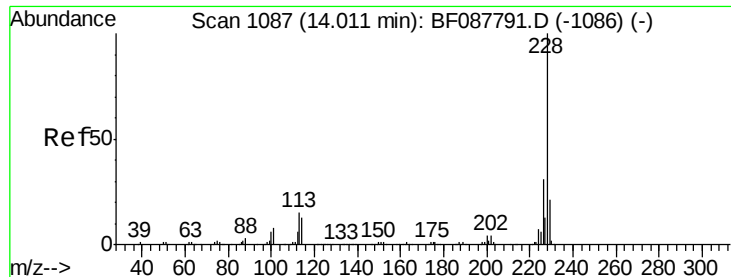
Tot Ion:244 Resp: 333477
 Ion Ratio Lower Upper
 244 100
 212 6.2 6.0 9.0
 122 8.4 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 17.41 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.03 min
 Lab File: BF087856.D
 Acq: 9 Jun 2016 17:00

Tgt Ion:228 Resp: 273470
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.3 33.5
 229 21.0 16.0 24.0





#82

Chrysene

Concen: 12.67 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

Instrument :

BNA_F

ClientSampled :

SS-25

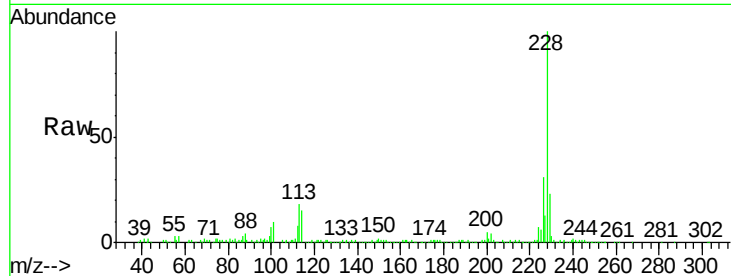
Tot Ion:228 Resp: 187263

Ion Ratio Lower Upper

228 100

226 30.6 25.4 38.2

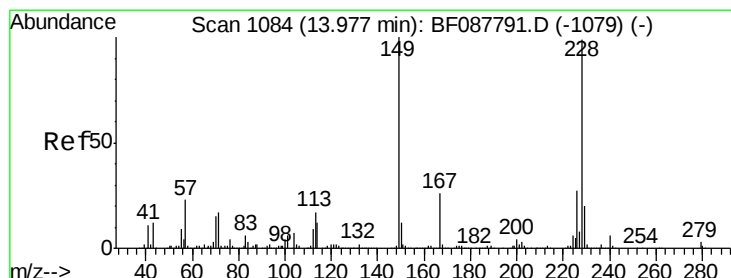
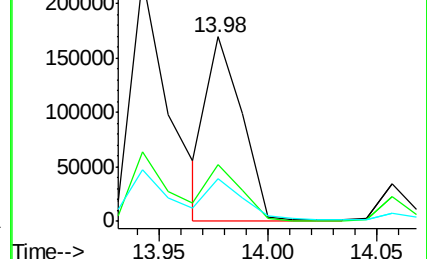
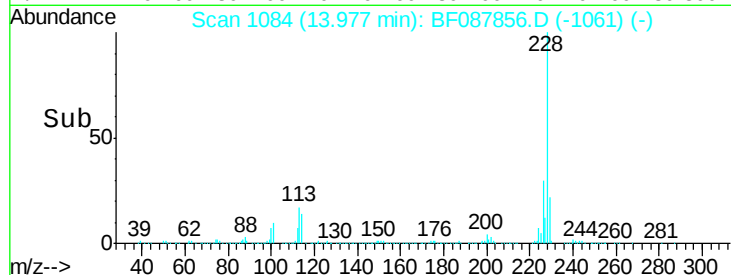
229 23.3 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.23 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087856.D

Acq: 9 Jun 2016 17:00

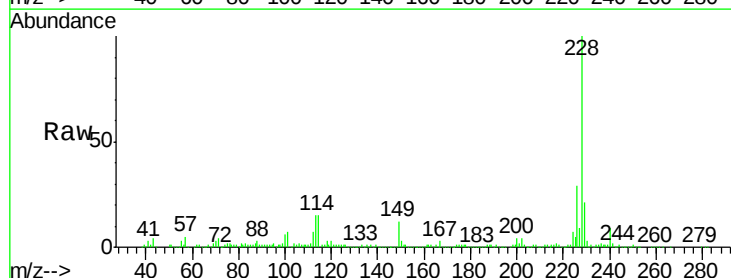
Tgt Ion:149 Resp: 35536

Ion Ratio Lower Upper

149 100

167 24.6 20.5 30.7

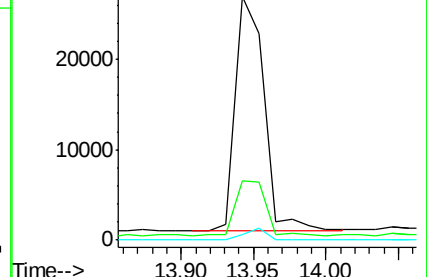
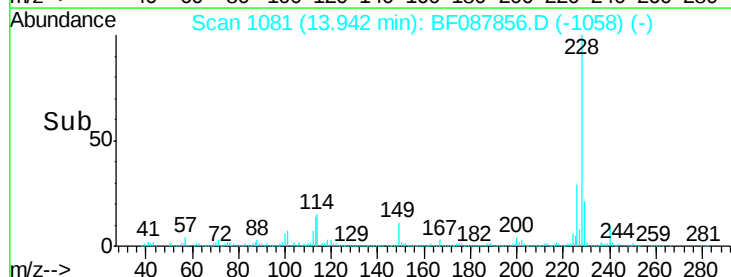
279 2.2 2.0 3.0

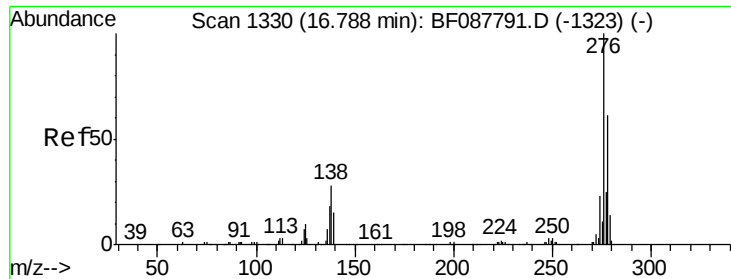


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

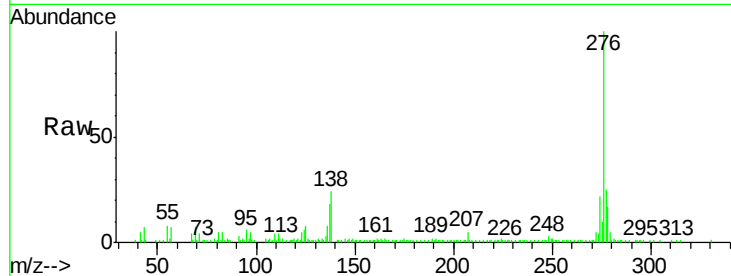




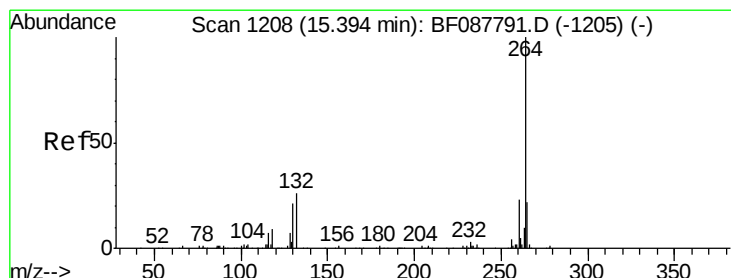
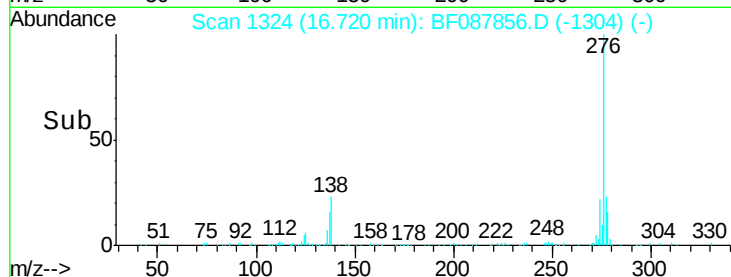
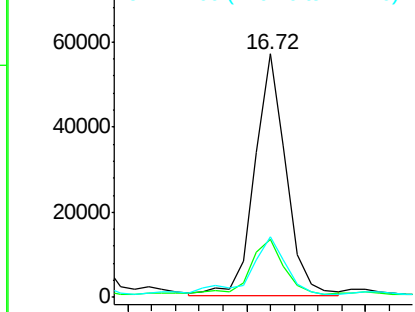
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.61 ng
 RT: 16.72 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF087856.D
 Acq: 9 Jun 2016 17:00

Instrument :
 BNA_F
 ClientSampleId :
 SS-25

Tot Ion:276 Resp: 104438
 Ion Ratio Lower Upper
 276 100
 138 27.2 0.0 0.0#
 277 28.9 0.0 0.0#

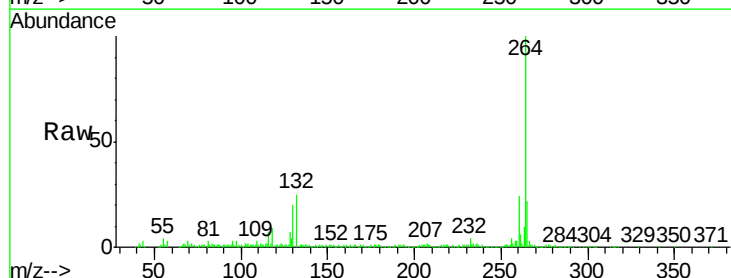


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

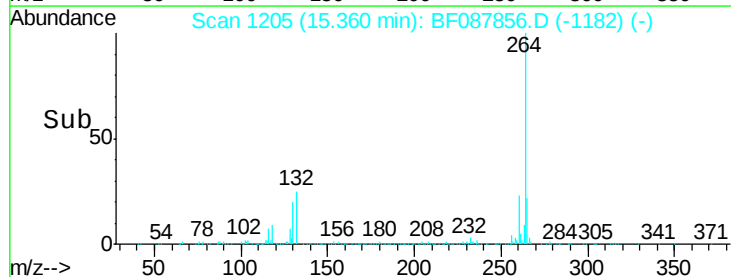
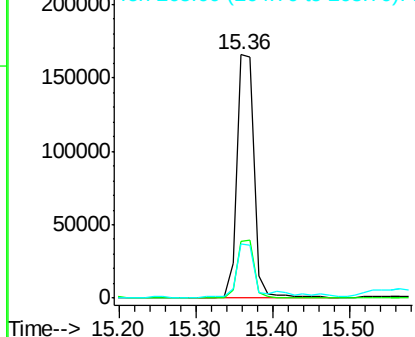


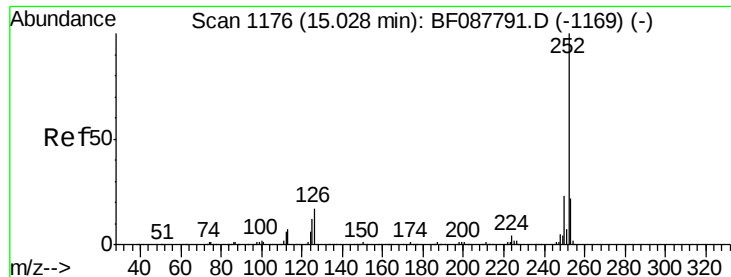
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF087856.D
 Acq: 9 Jun 2016 17:00

Tgt Ion:264 Resp: 257053
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 22.1 16.9 25.3



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

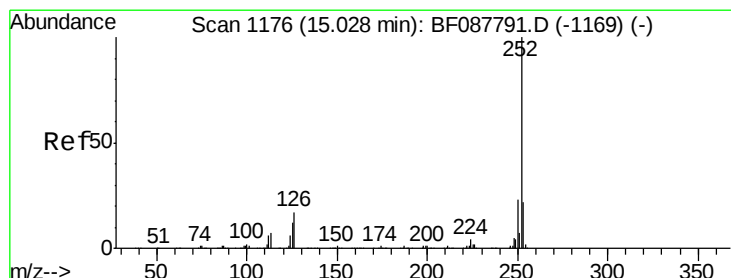
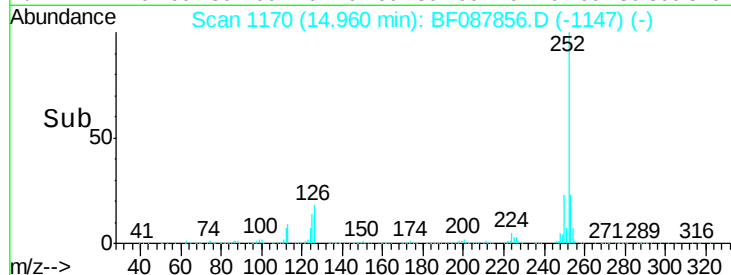
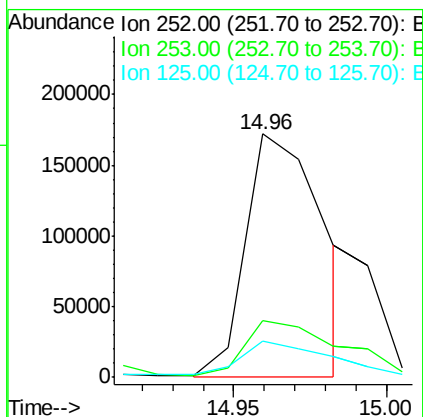
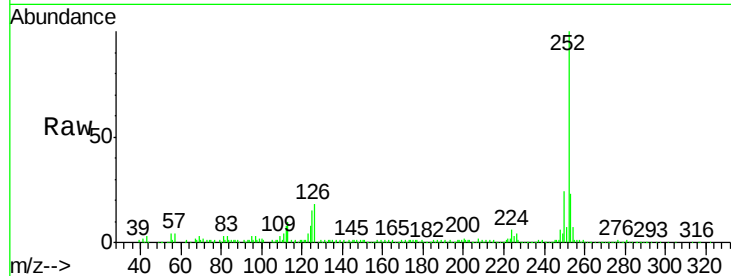




#87
Benzo(b)fluoranthene
Concen: 16.86 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

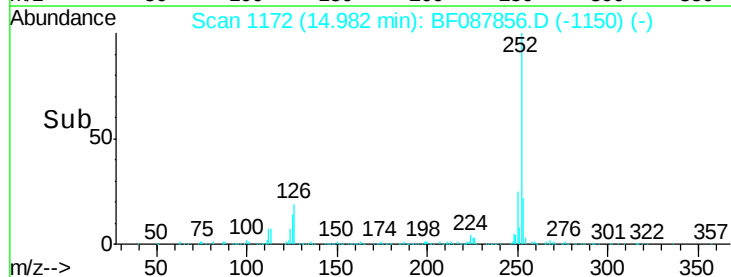
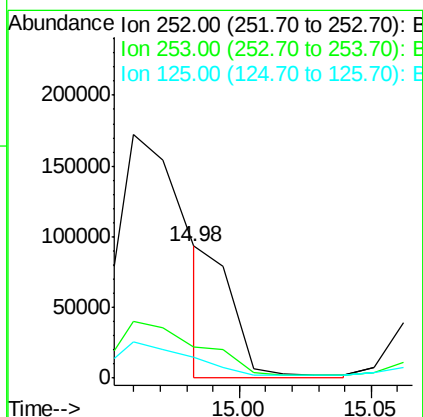
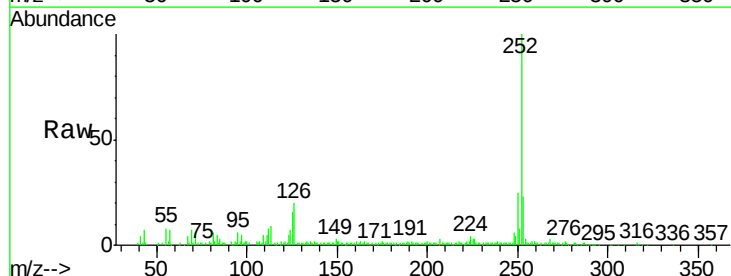
Instrument :
BNA_F
ClientSampled :
SS-25

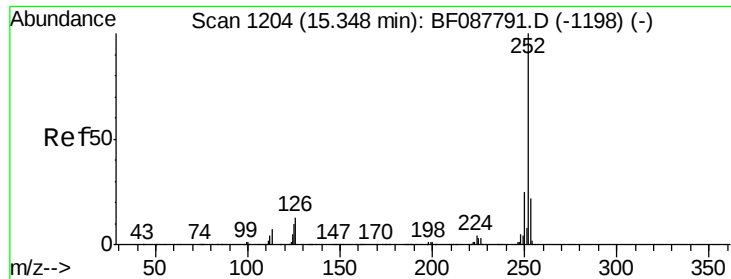
Tot Ion:252 Resp: 302004
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 15.0 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 4.60 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

Tgt Ion:252 Resp: 62184
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 15.9 11.2 16.8

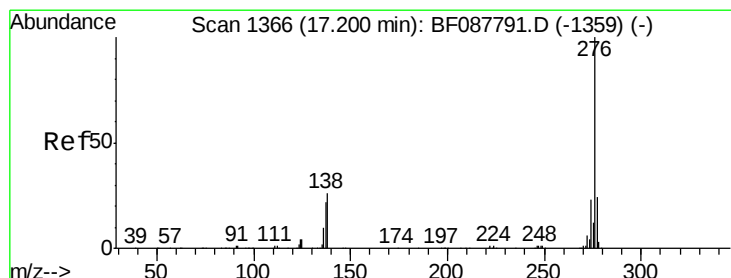
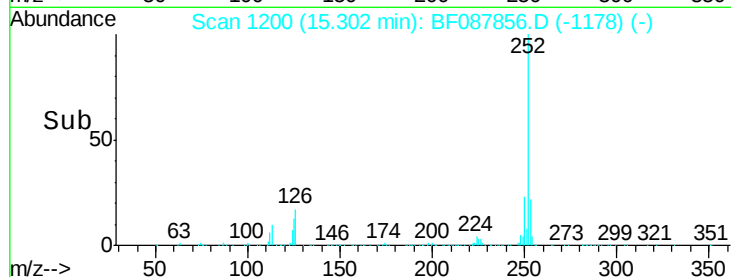
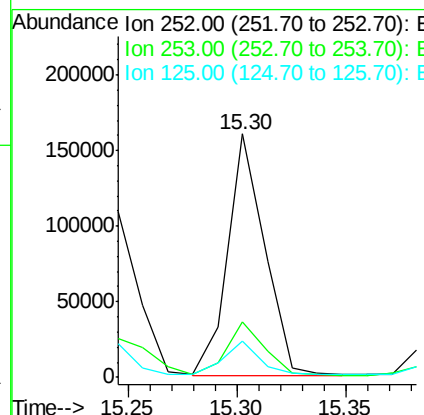
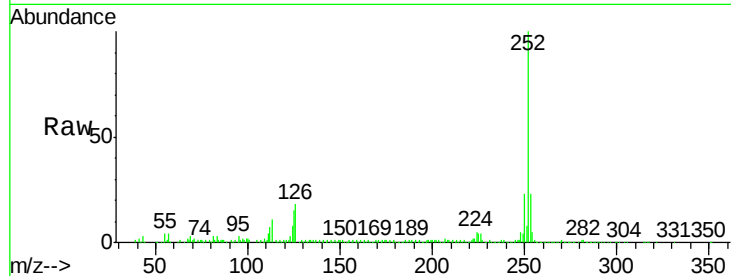




#89
Benzo(a)pyrene
Concen: 13.11 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

Instrument :
BNA_F
ClientSampleId :
SS-25

Tot Ion:252 Resp: 190013
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 15.0 12.5 18.7



#91
Benzo(g,h,i)perylene
Concen: 6.78 ng
RT: 17.13 min Scan# 1360
Delta R.T. -0.07 min
Lab File: BF087856.D
Acq: 9 Jun 2016 17:00

Tgt Ion:276 Resp: 93854
Ion Ratio Lower Upper
276 100
277 23.9 18.9 28.3
138 23.1 21.4 32.2

