

Data Path : Z:\HPCHEM1\BNA F\Data\BF110915\
 Data File : BF082867.D
 Acq On : 10 Nov 2015 11:39
 Operator : UM/IZ
 Sample : G4327-01DL 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1DL

Quant Time: Nov 10 12:08:50 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

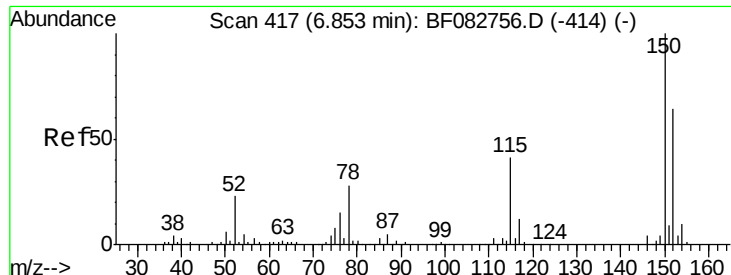
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	277371	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	990091	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	446612	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	699370	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	572568	20.00	ng	-0.02
86) Perylene-d12	15.44	264	539015	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	919363	51.57	ng	-0.01
7) Phenol-d6	6.48	99	1369114	57.77	ng	0.00
23) Nitrobenzene-d5	7.39	82	775585	34.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	201299	39.31	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1049415	33.68	ng	-0.02
78) Terphenyl-d14	12.95	244	737030	30.53	ng	-0.02

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.39	70	106149	6.09	ng	# 71
25) Isophorone	7.39	82	664388	15.78	ng	# 70
49) Dimethylphthalate	9.58	163	238231	6.51	ng	99
51) Acenaphthene	9.90	154	78866	2.66	ng	99
57) Fluorene	10.42	166	85949	2.65	ng	97
70) Phenanthrene	11.38	178	1584200	39.01	ng	99
71) Anthracene	11.42	178	347497	8.12	ng	98
72) Carbazole	11.58	167	86276	2.30	ng	# 96
74) Fluoranthene	12.57	202	1512557	34.71	ng	99
77) Pyrene	12.80	202	1416562	36.03	ng	99
80) Benzo(a)anthracene	13.99	228	734953	20.53	ng	99
82) Chrysene	13.99	228	734953	22.41	ng	96
85) Indeno(1,2,3-cd)pyrene	16.81	276	194251	6.88	ng	97
87) Benzo(b)fluoranthene	15.03	252	785202	22.69	ng	# 96
88) Benzo(k)fluoranthene	15.03	252	785202	25.58	ng	# 96
89) Benzo(a)pyrene	15.13	252	89928	3.00	ng	93
90) Dibenzo(a,h)anthracene	16.82	278	51605	2.03	ng	# 90
91) Benzo(g,h,i)perylene	17.22	276	169502	6.97	ng	# 93

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

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Sample    : G4327-01DL 2X  
Misc      :  
ALS Vial  : 42      Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

Instrument :

BNA_F

ClientSampleId :

1DL

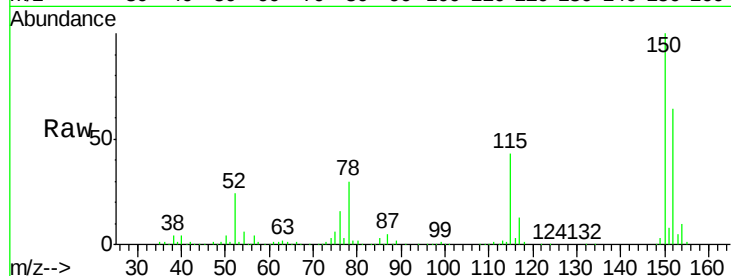
Tot Ion:152 Resp: 277371

Ion Ratio Lower Upper

152 100

150 155.2 127.0 190.4

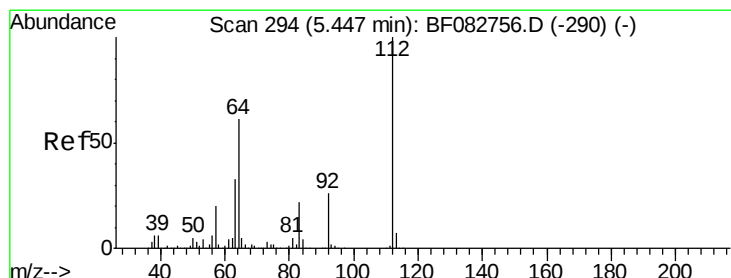
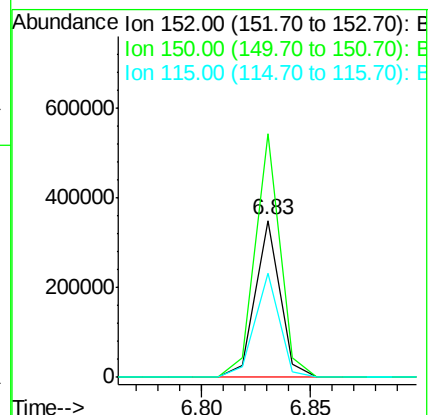
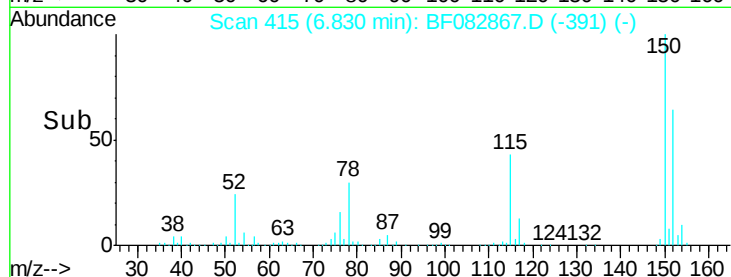
115 66.4 47.0 70.6



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: 51.57 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

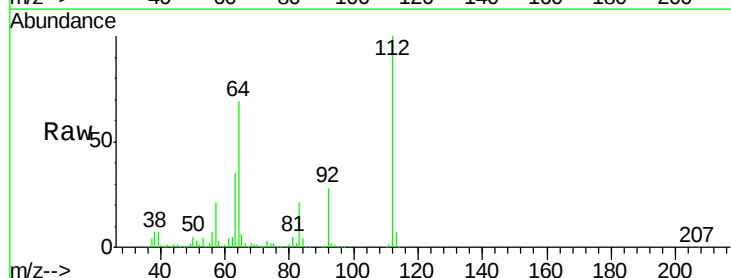
Tgt Ion:112 Resp: 919363

Ion Ratio Lower Upper

112 100

64 68.8 48.9 73.3

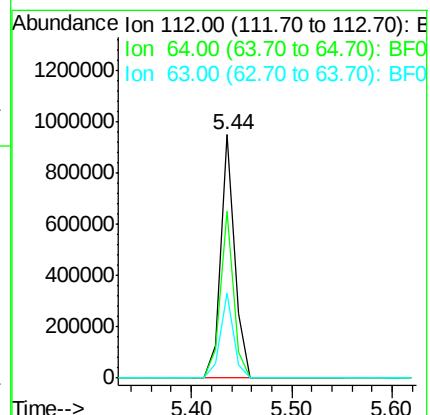
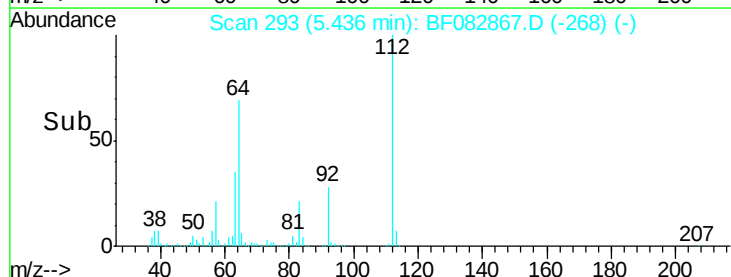
63 35.1 28.1 42.1

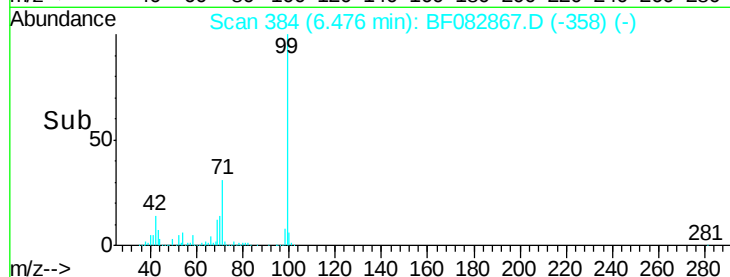
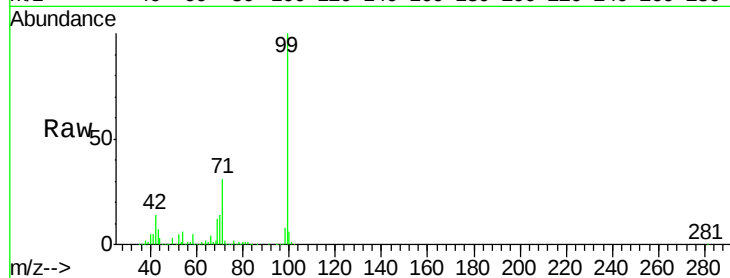
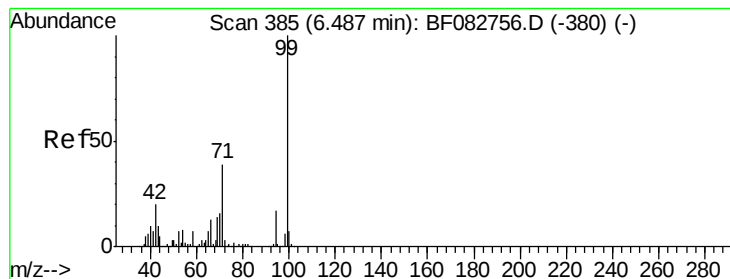


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 57.77 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

Instrument :

BNA_F

ClientSampled :

1DL

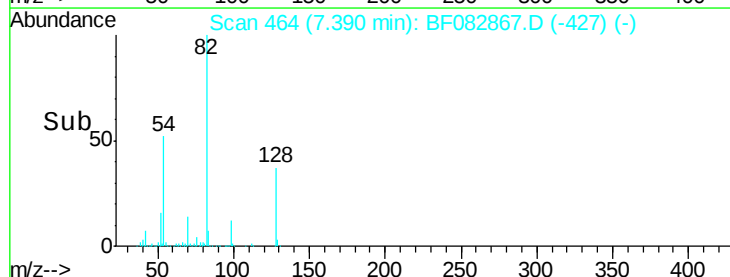
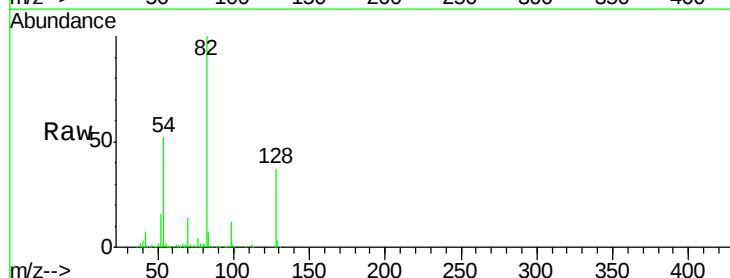
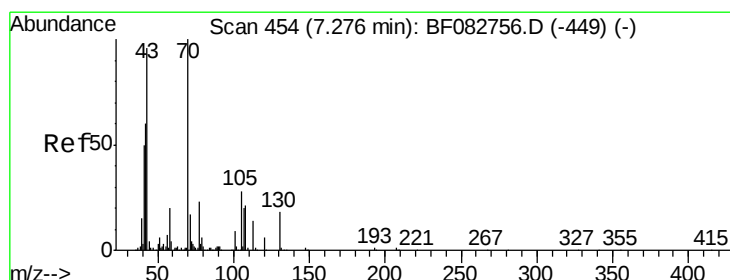
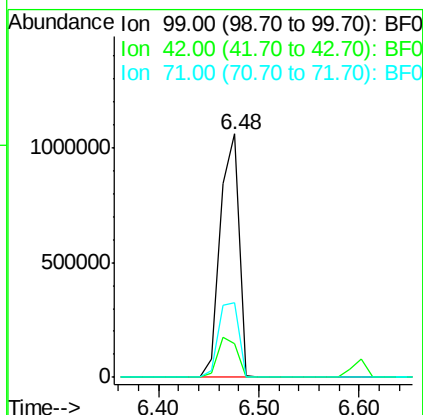
Tot Ion: 99 Resp: 1369114

Ion Ratio Lower Upper

99 100

42 14.0 19.2 28.8#

71 30.5 35.0 52.4#



#19

n-Nitroso-di-n-propylamine

Concen: 6.09 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.13 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

Tgt Ion: 70 Resp: 106149

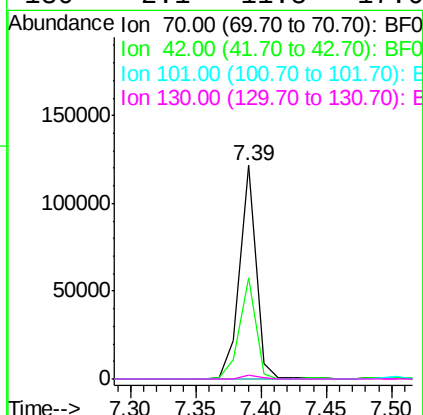
Ion Ratio Lower Upper

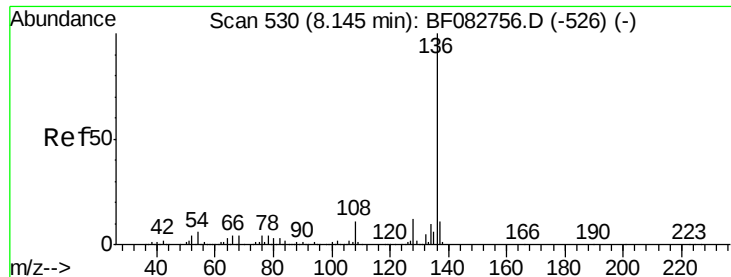
70 100

42 47.3 57.7 86.5#

101 0.0 7.0 10.6#

130 2.1 11.8 17.6#

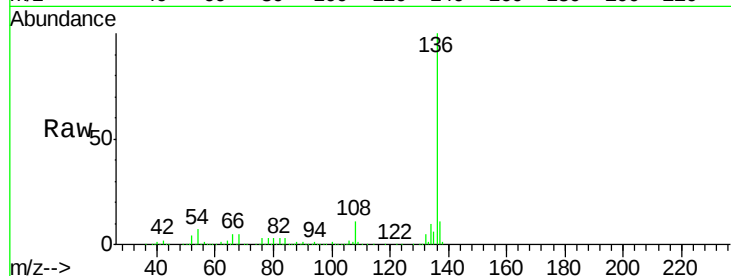




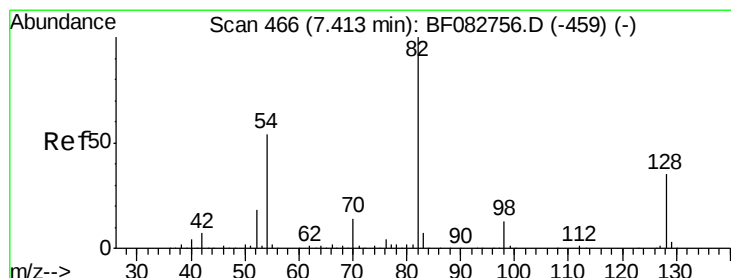
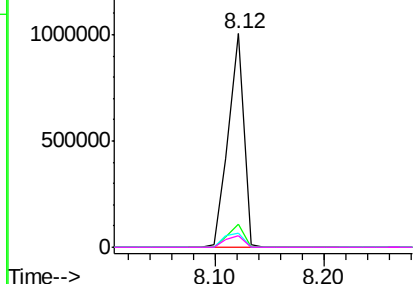
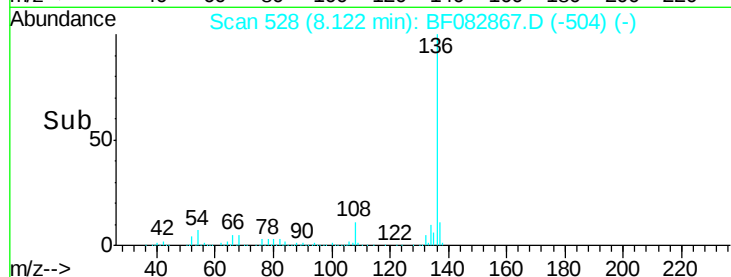
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF082867.D
Acq: 10 Nov 2015 11:39

Instrument :
BNA_F
ClientSampleId :
1DL

Tot Ion:136	Resp:	990091
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.1 13.7
54	6.8	9.1 13.7#
68	5.2	4.8 7.2

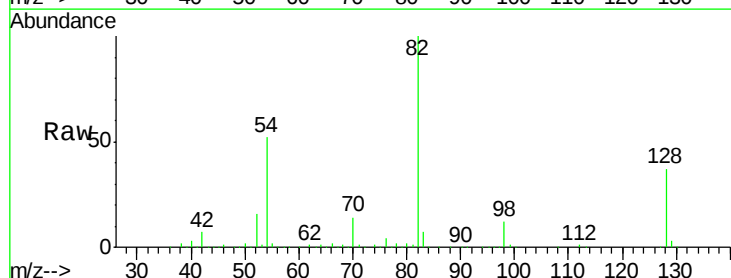


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

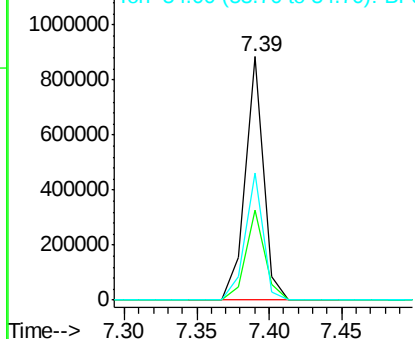
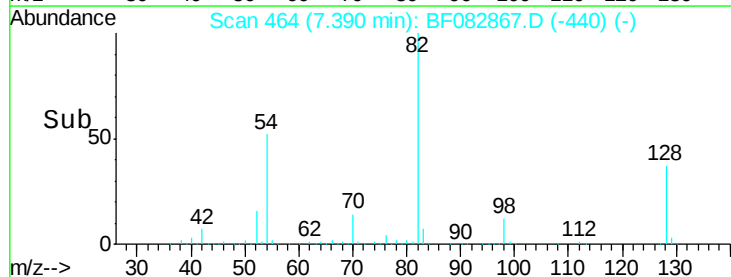


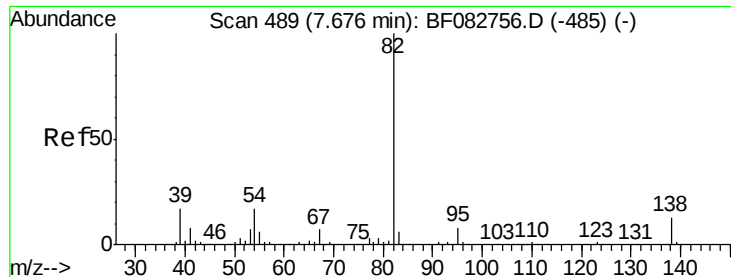
#23
Nitrobenzene-d5
Concen: 34.09 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.02 min
Lab File: BF082867.D
Acq: 10 Nov 2015 11:39

Tgt Ion: 82	Resp:	775585
Ion Ratio	Lower	Upper
82	100	
128	36.8	26.8 40.2
54	52.0	45.7 68.5



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: 15.78 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.29 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

Instrument :

BNA_F

ClientSampleId :

1DL

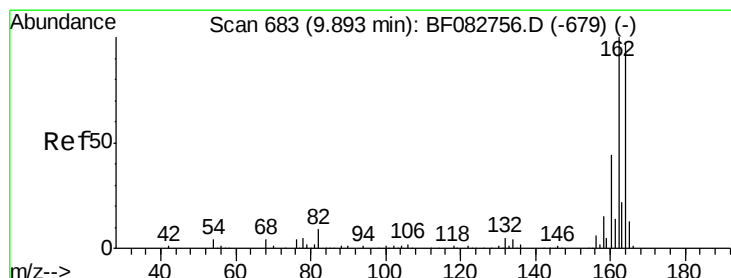
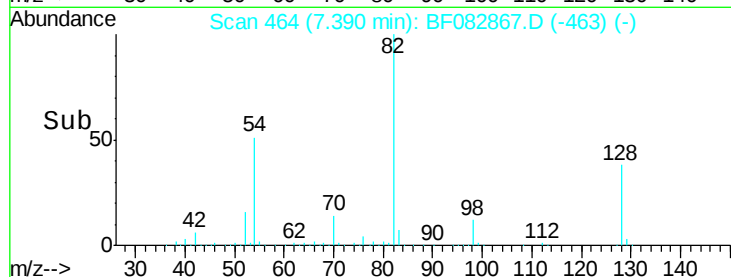
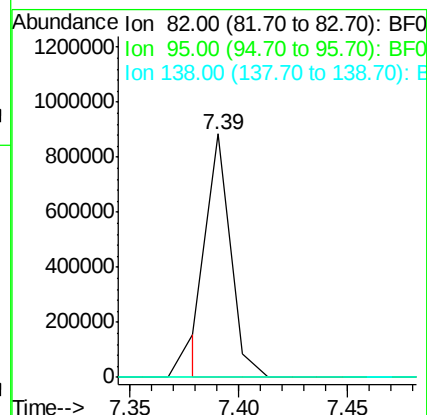
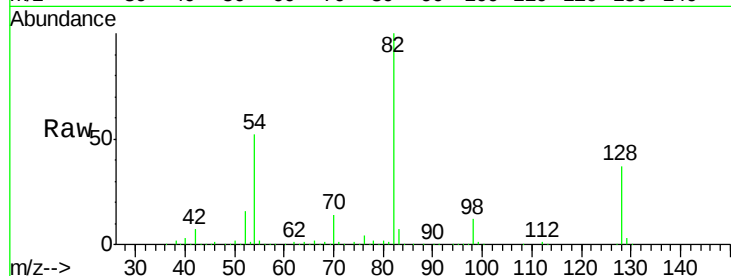
Tot Ion: 82 Resp: 664388

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

138 0.0 11.4 17.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

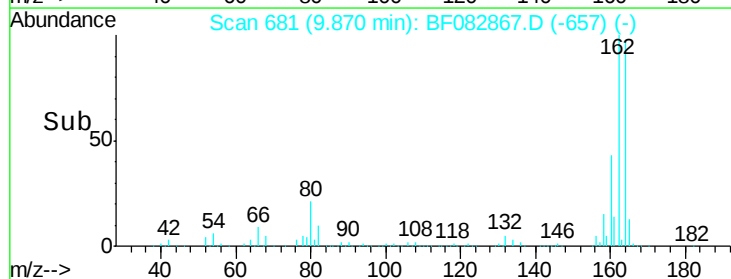
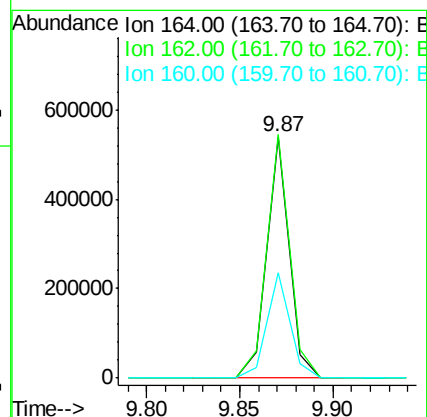
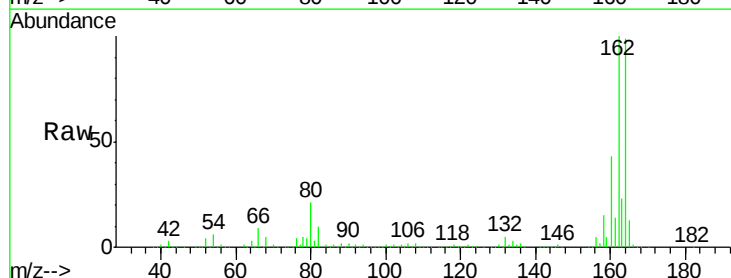
Tgt Ion: 164 Resp: 446612

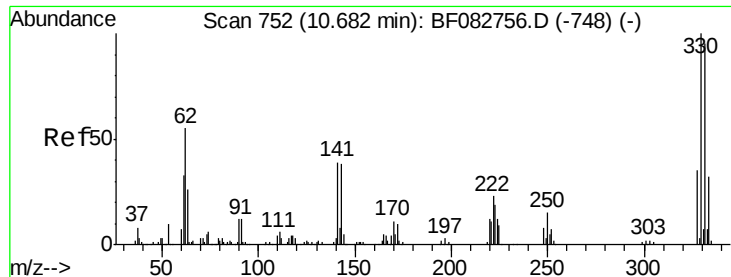
Ion Ratio Lower Upper

164 100

162 100.9 84.9 127.3

160 43.7 37.5 56.3

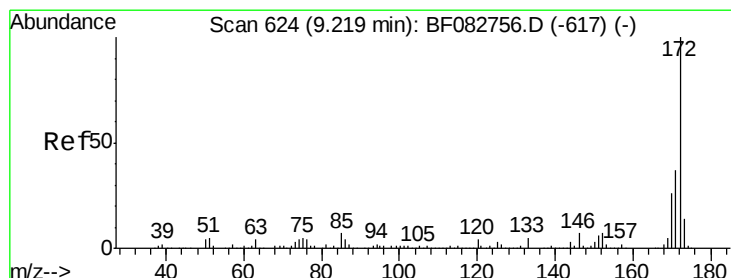
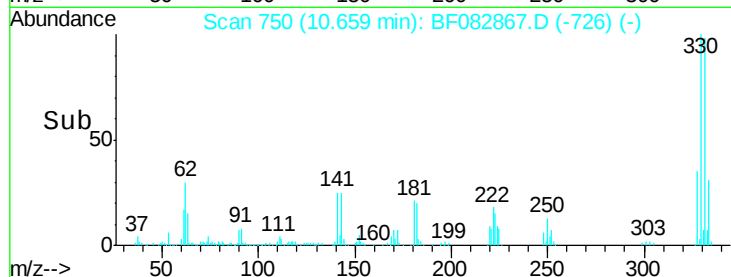
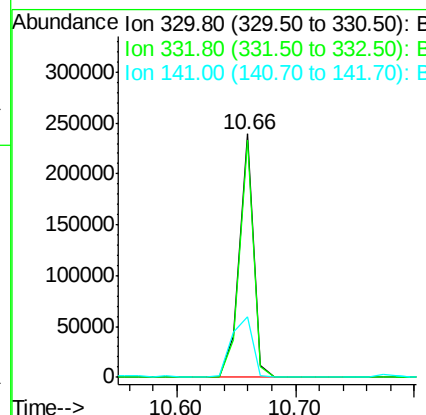
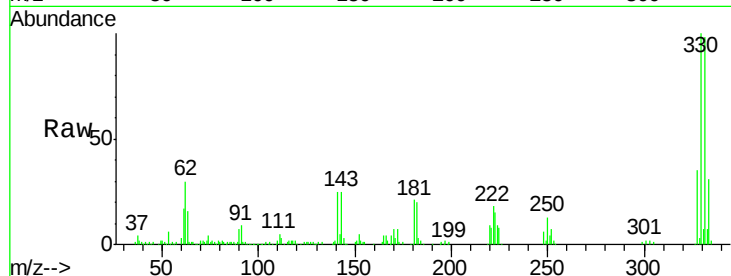




#41
 2,4,6-Tribromophenol
 Concen: 39.31 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF082867.D
 Acq: 10 Nov 2015 11:39

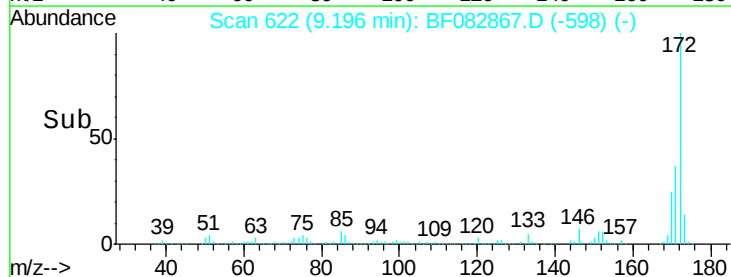
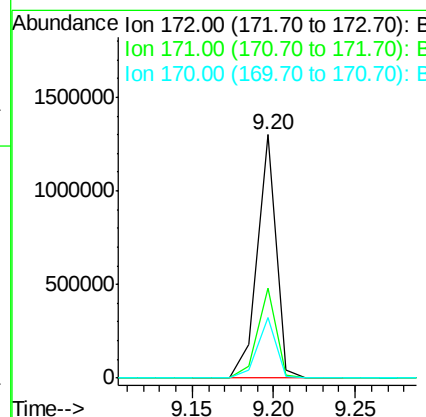
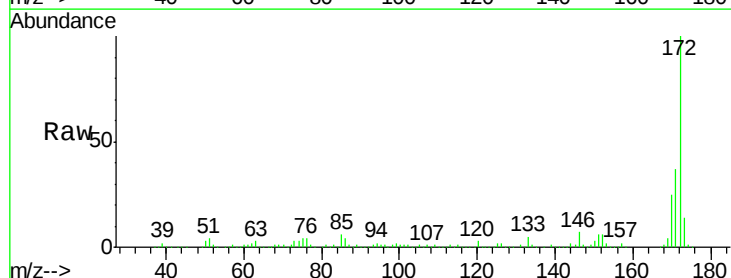
Instrument :
 BNA_F
 ClientSampleId :
 1DL

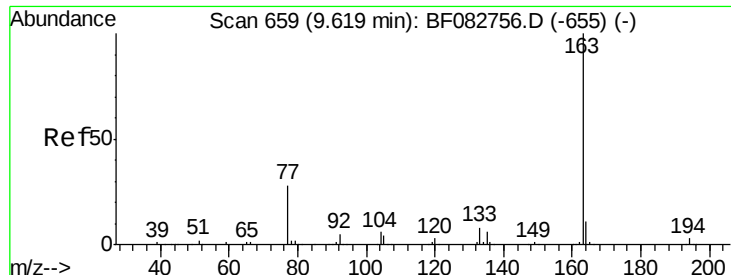
Tot Ion:330 Resp: 201299
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 37.2 41.2 61.8#



#44
 2-Fluorobiphenyl
 Concen: 33.68 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF082867.D
 Acq: 10 Nov 2015 11:39

Tgt Ion:172 Resp: 1049415
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.8 46.2
 170 24.6 21.2 31.8

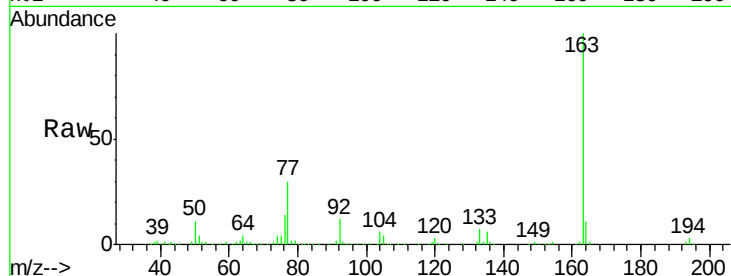




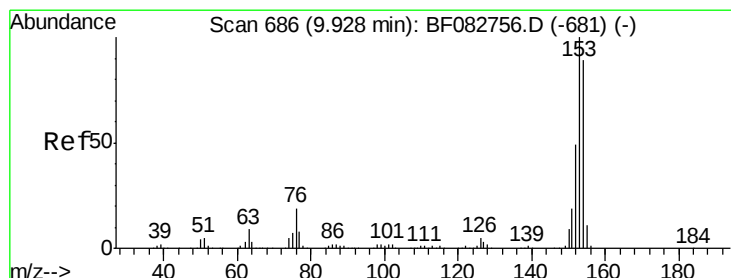
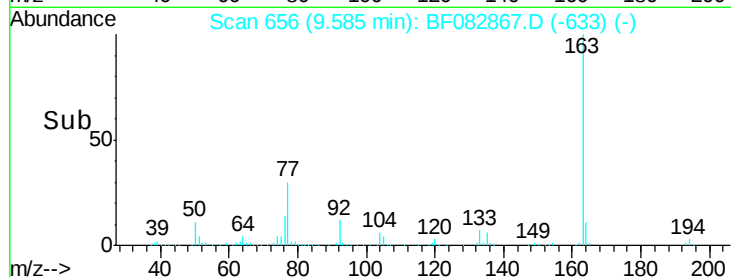
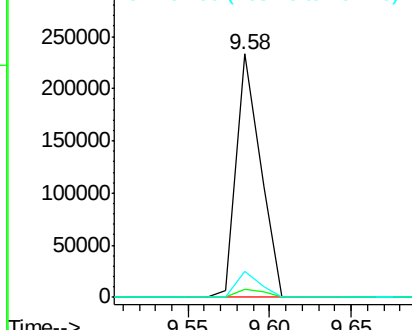
#49
Dimethylphthalate
Concen: 6.51 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.03 min
Lab File: BF082867.D
Acq: 10 Nov 2015 11:39

Instrument :
BNA_F
ClientSampleId :
1DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.7	8.7	13.1

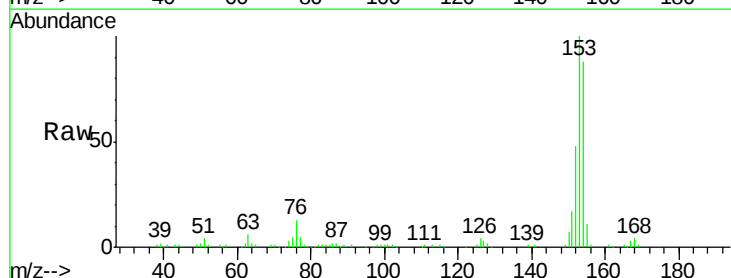


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

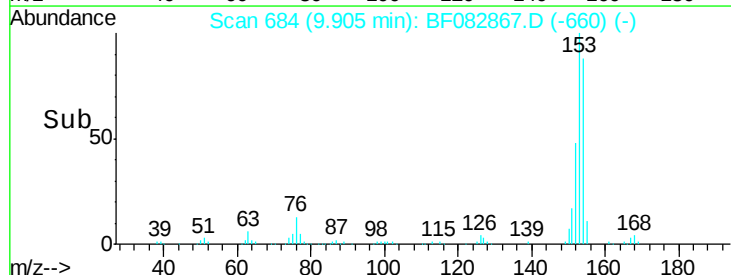
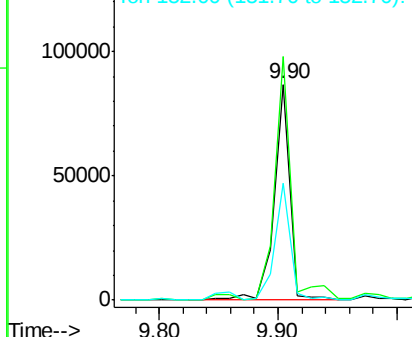


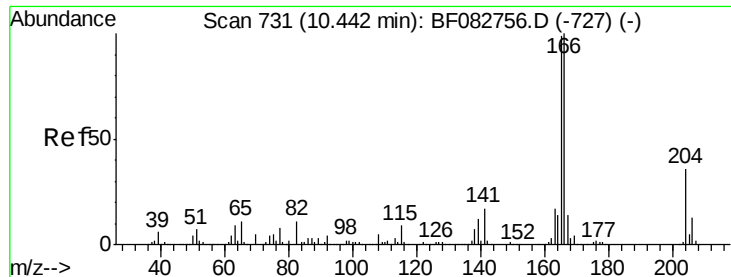
#51
Acenaphthene
Concen: 2.66 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF082867.D
Acq: 10 Nov 2015 11:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.1	135.1
152	54.0	44.3	66.5



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

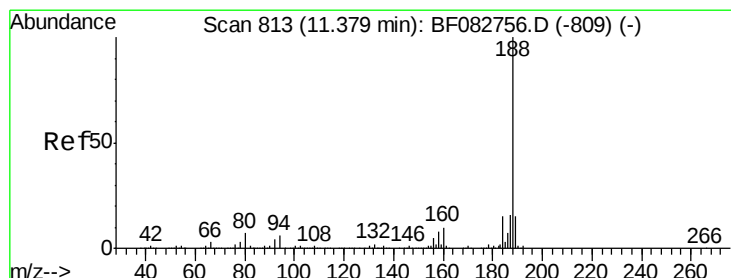
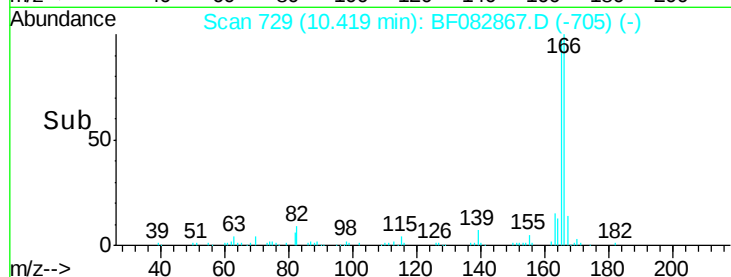
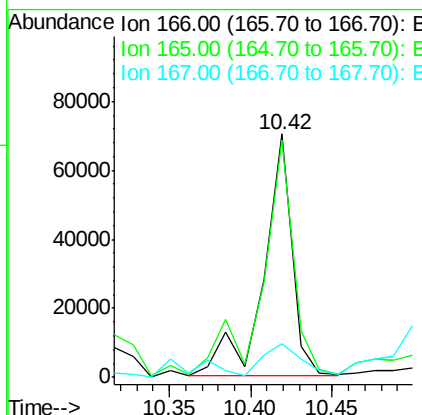
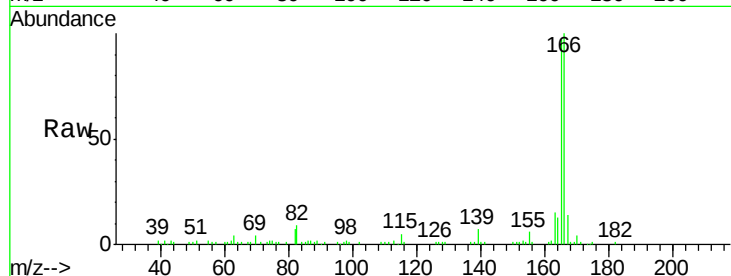




#57
 Fluorene
 Concen: 2.65 ng
 RT: 10.42 min Scan# 729
 Delta R.T. -0.02 min
 Lab File: BF082867.D
 Acq: 10 Nov 2015 11:39

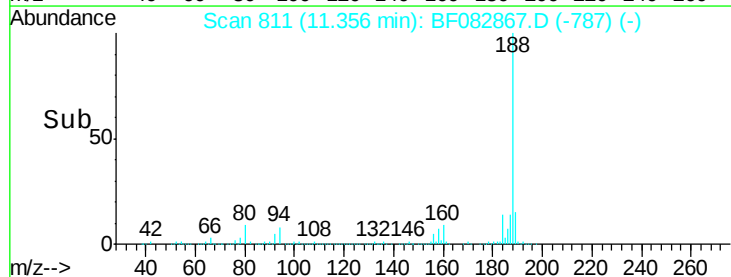
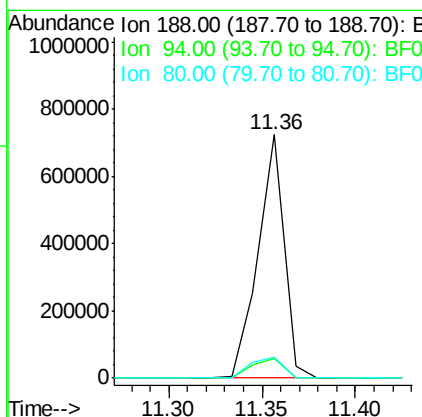
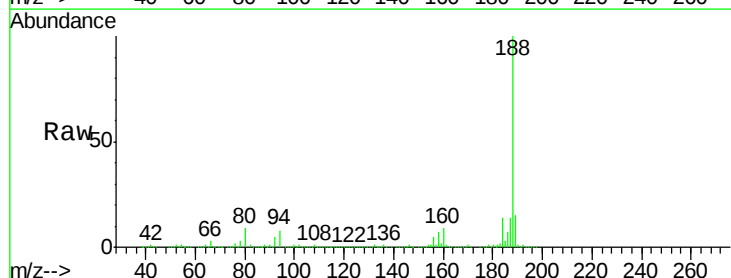
Instrument :
 BNA_F
 ClientSampleId :
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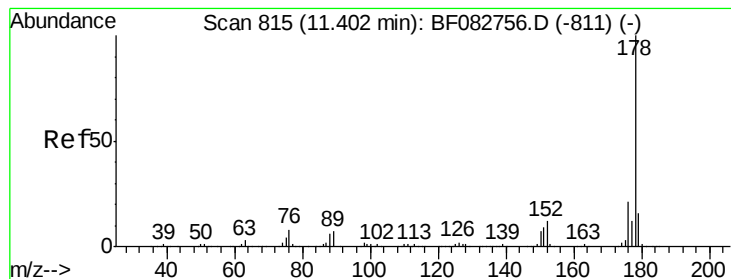
Tot Ion:166 Resp: 85949
 Ion Ratio Lower Upper
 166 100
 165 97.4 80.2 120.4
 167 14.0 11.2 16.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF082867.D
 Acq: 10 Nov 2015 11:39

Tgt Ion:188 Resp: 699370
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.1 9.1
 80 8.6 7.0 10.6





#70

Phenanthrene

Concen: 39.01 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.02 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

Instrument :

BNA_F

ClientSampleId :

1DL

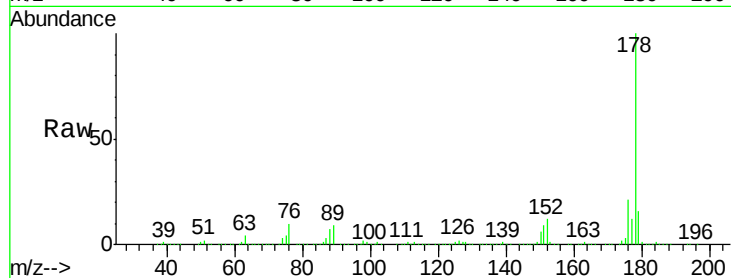
Tot Ion:178 Resp: 1584200

Ion Ratio Lower Upper

178 100

176 20.9 17.0 25.4

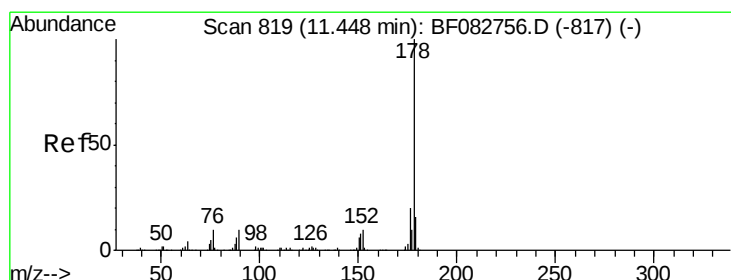
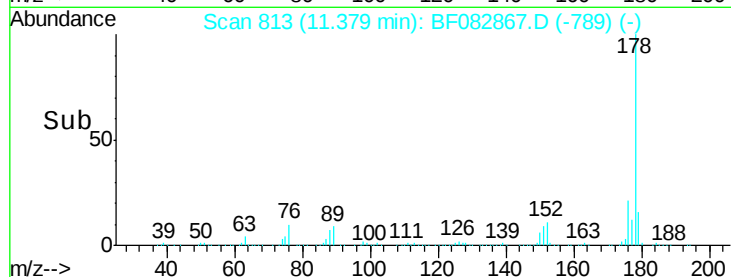
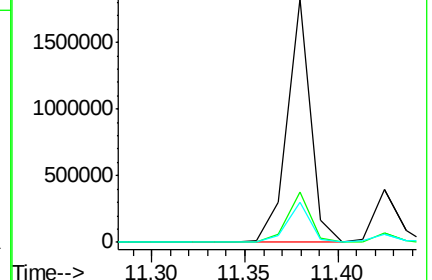
179 16.2 13.4 20.0



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: 8.12 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

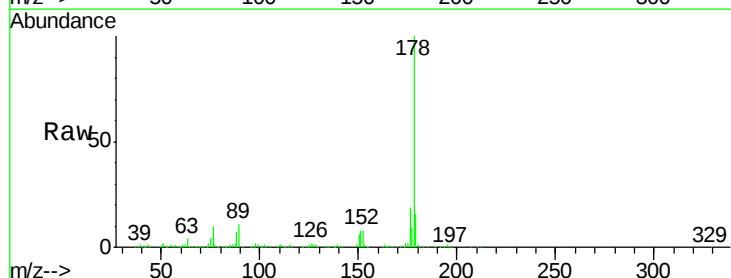
Tgt Ion:178 Resp: 347497

Ion Ratio Lower Upper

178 100

176 18.7 16.5 24.7

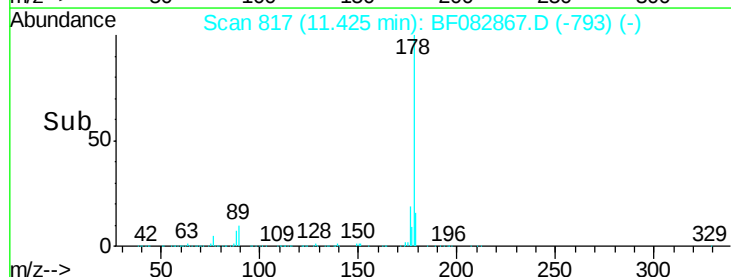
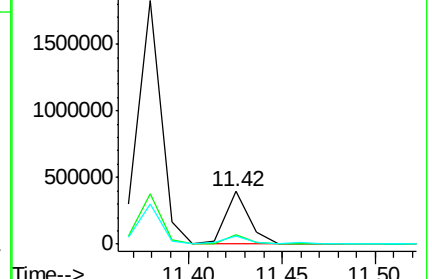
179 16.4 13.2 19.8

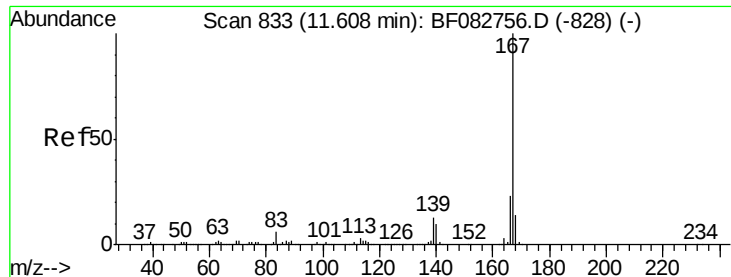


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

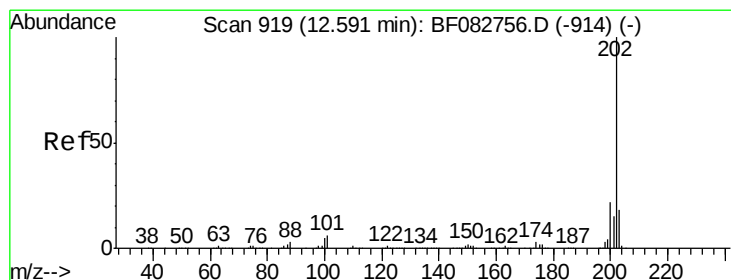
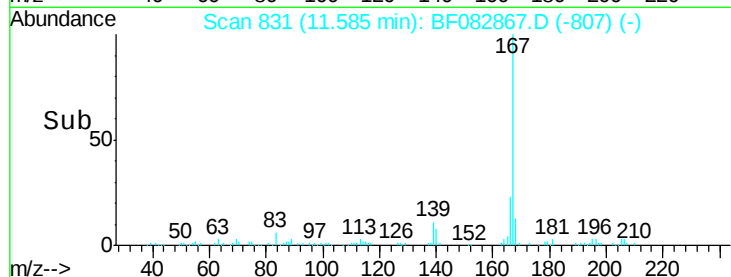
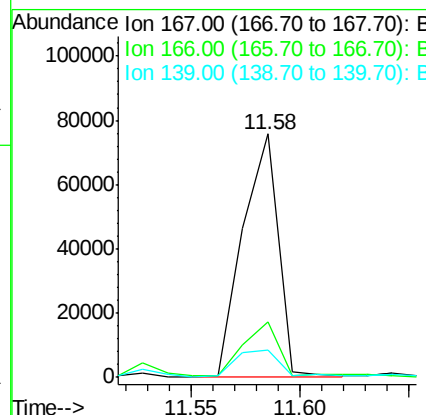
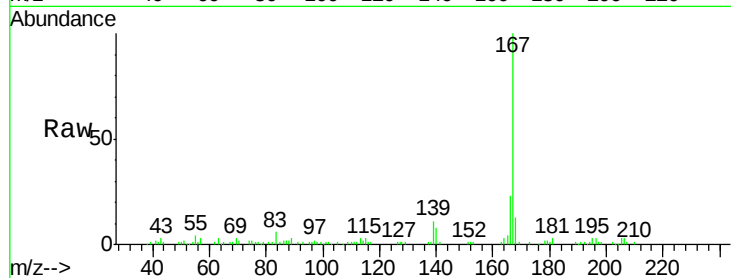




#72
 Carbazole
 Concen: 2.30 ng
 RT: 11.58 min Scan# 831
 Delta R.T. -0.02 min
 Lab File: BF082867.D
 Acq: 10 Nov 2015 11:39

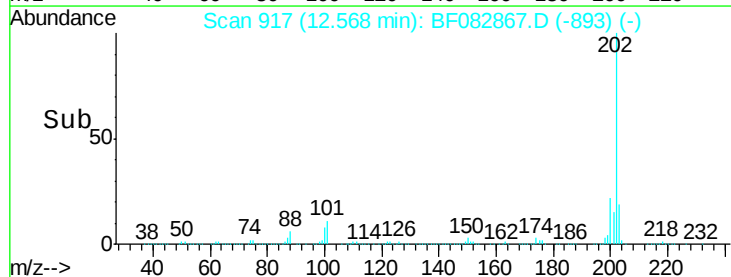
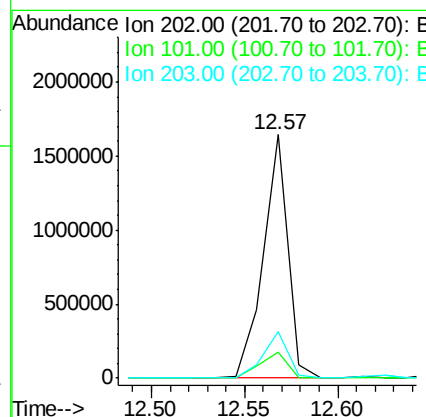
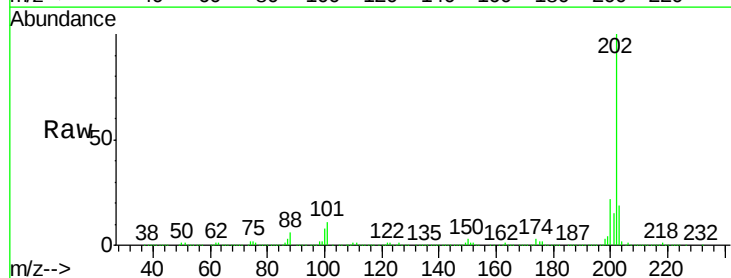
Instrument :
 BNA_F
 ClientSampleId :
 1DL

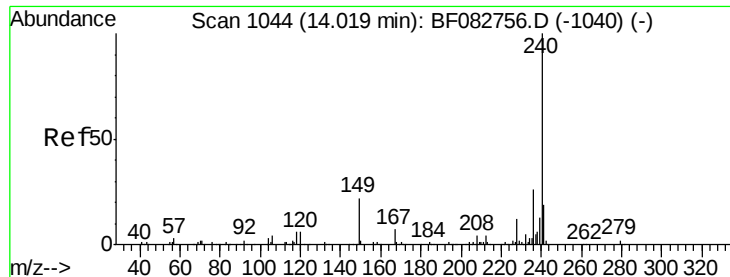
Tot Ion:167 Resp: 86276
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.7 28.1
 139 11.1 11.8 17.6#



#74
 Fluoranthene
 Concen: 34.71 ng
 RT: 12.57 min Scan# 917
 Delta R.T. -0.02 min
 Lab File: BF082867.D
 Acq: 10 Nov 2015 11:39

Tgt Ion:202 Resp: 1512557
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 30.5
 203 19.0 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

Instrument :

BNA_F

ClientSampleId :

1DL

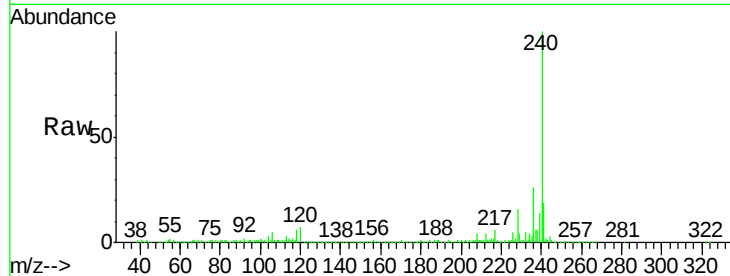
Tot Ion:240 Resp: 572568

Ion Ratio Lower Upper

240 100

120 6.8 10.9 16.3#

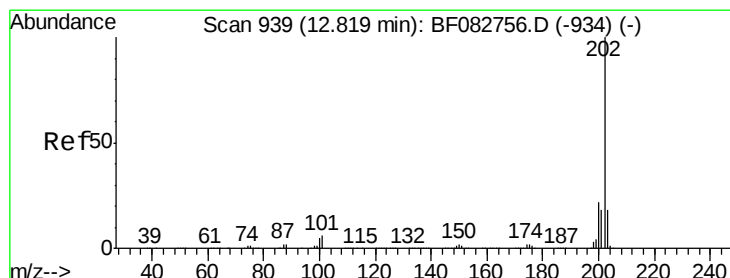
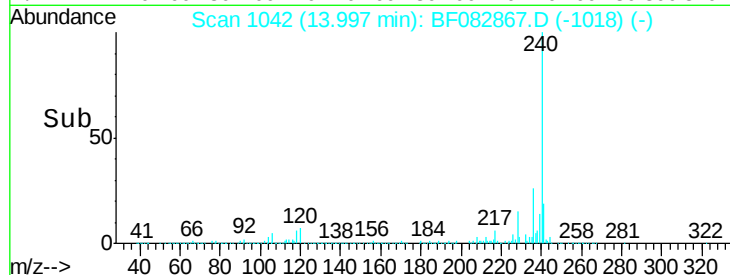
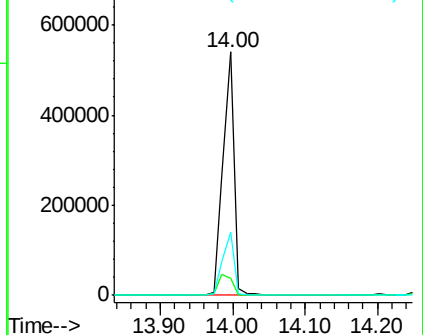
236 26.2 21.6 32.4



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: 36.03 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

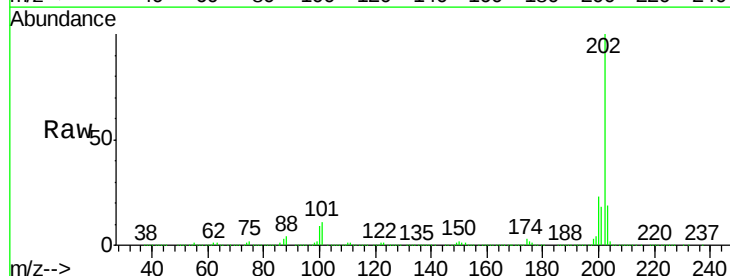
Tgt Ion:202 Resp: 1416562

Ion Ratio Lower Upper

202 100

200 22.6 18.7 28.1

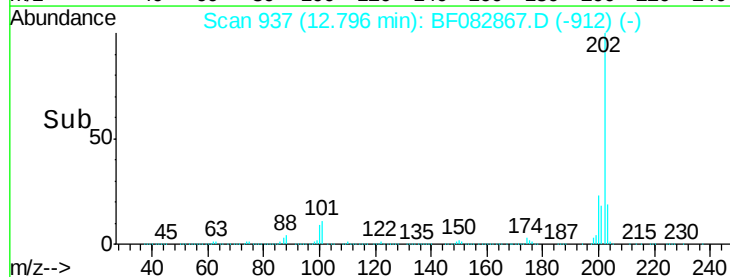
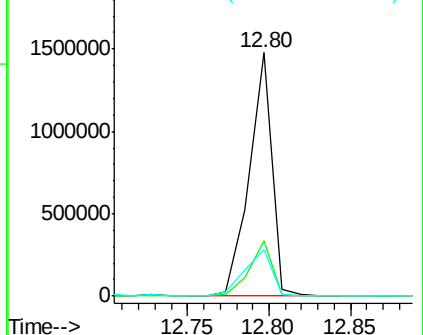
203 18.9 14.8 22.2

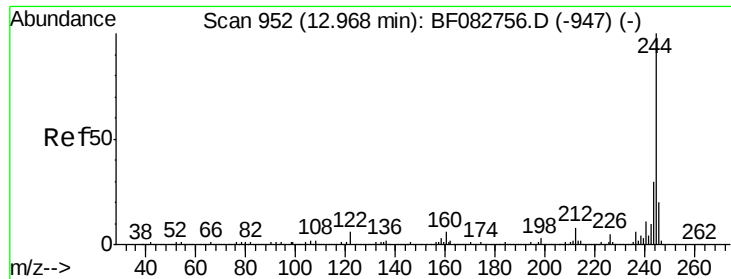


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 30.53 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

Instrument :

BNA_F

ClientSampleId :

1DL

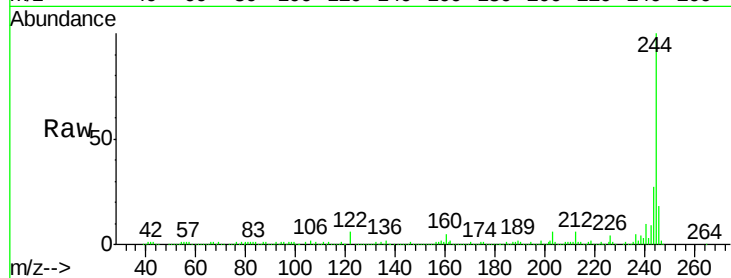
Tot Ion:244 Resp: 737030

Ion Ratio Lower Upper

244 100

212 6.4 7.6 11.4#

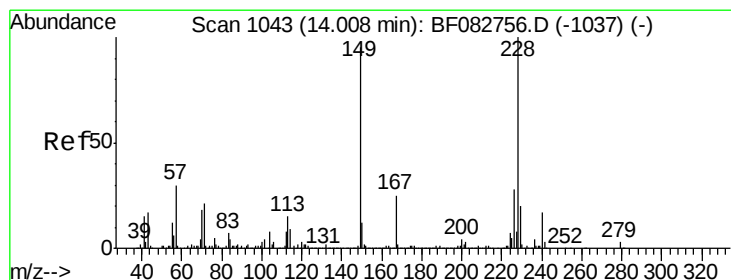
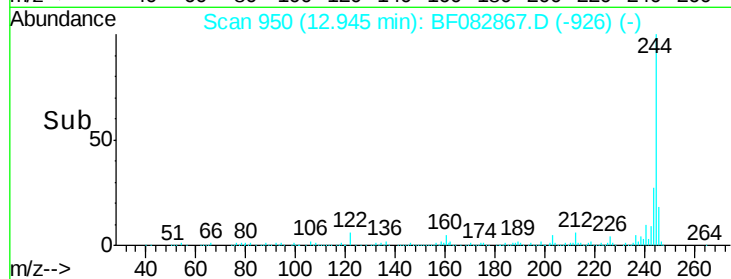
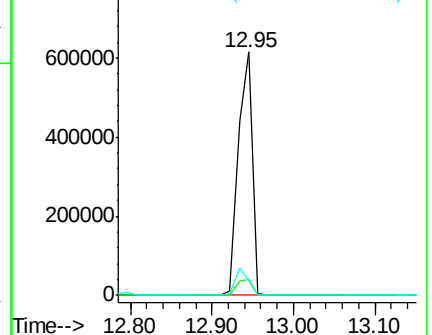
122 6.0 11.3 16.9#



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: 20.53 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

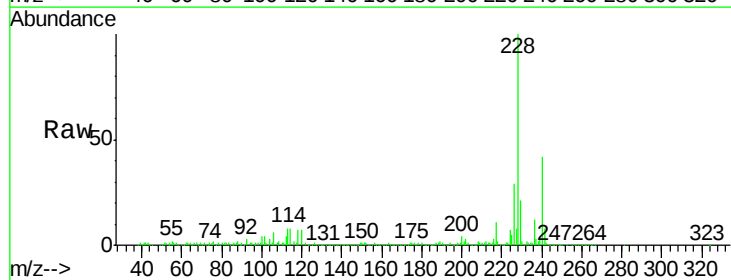
Tgt Ion:228 Resp: 734953

Ion Ratio Lower Upper

228 100

226 28.5 23.4 35.2

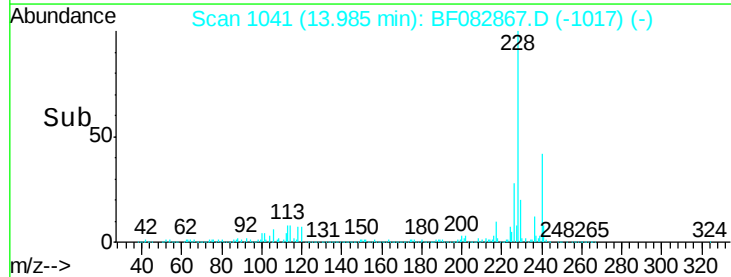
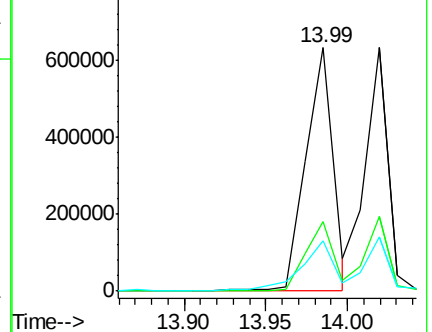
229 20.6 16.3 24.5

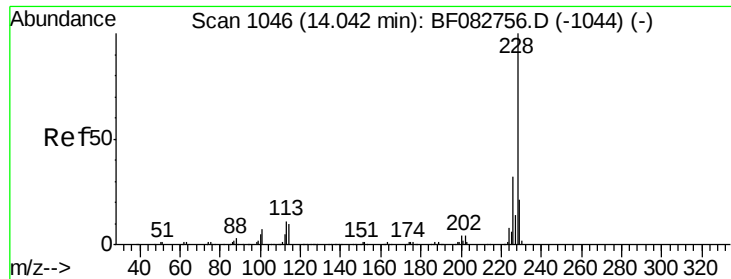


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 22.41 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.06 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

Instrument :

BNA_F

ClientSampleId :

1DL

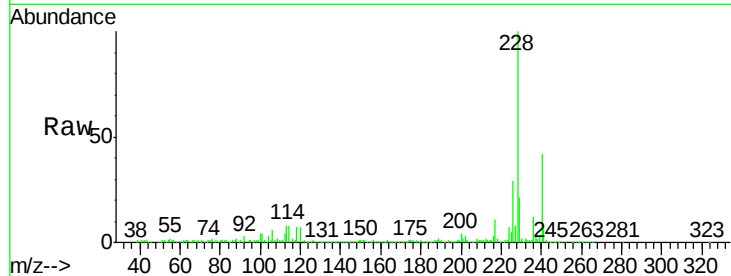
Tot Ion:228 Resp: 734953

Ion Ratio Lower Upper

228 100

226 28.5 25.5 38.3

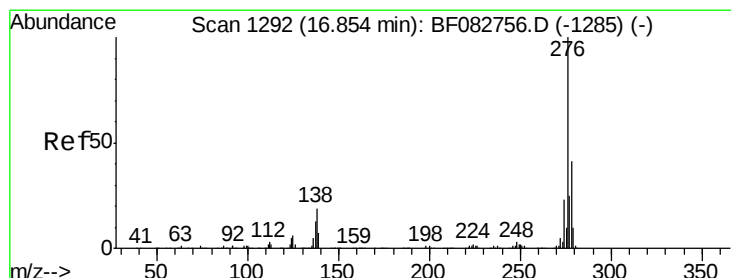
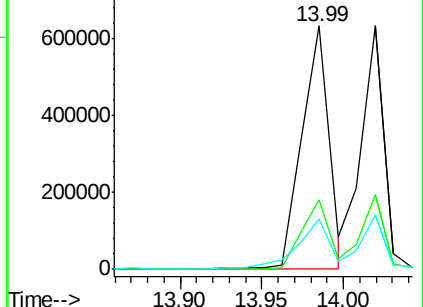
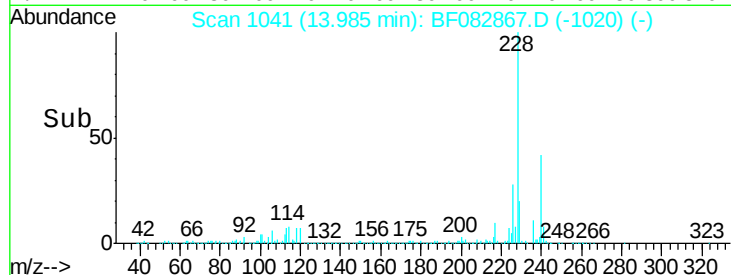
229 20.6 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.88 ng

RT: 16.81 min Scan# 1288

Delta R.T. -0.05 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

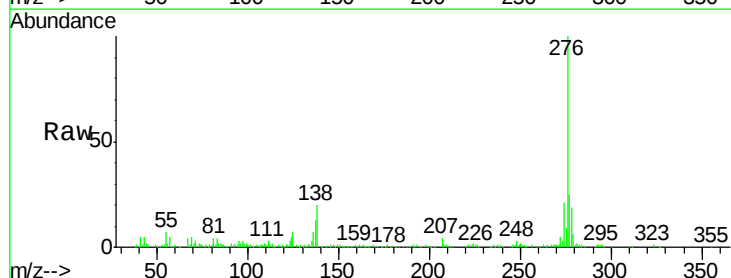
Tgt Ion:276 Resp: 194251

Ion Ratio Lower Upper

276 100

138 22.2 15.3 22.9

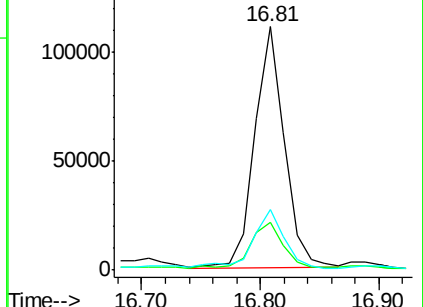
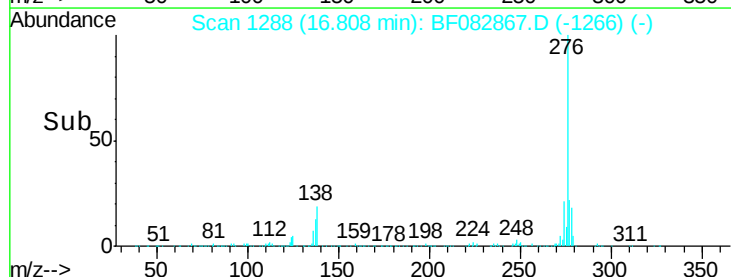
277 25.8 20.2 30.4

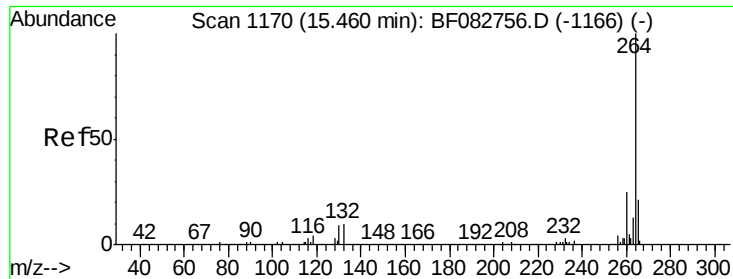


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

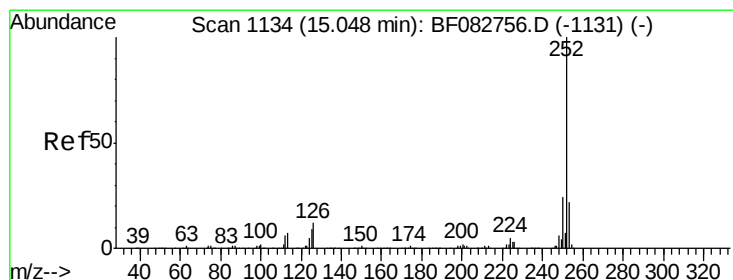
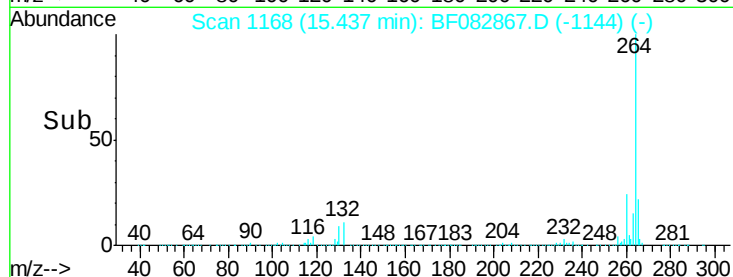
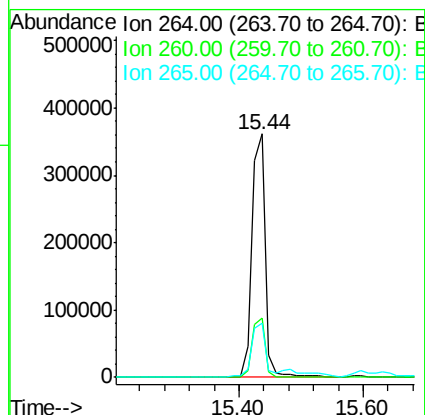
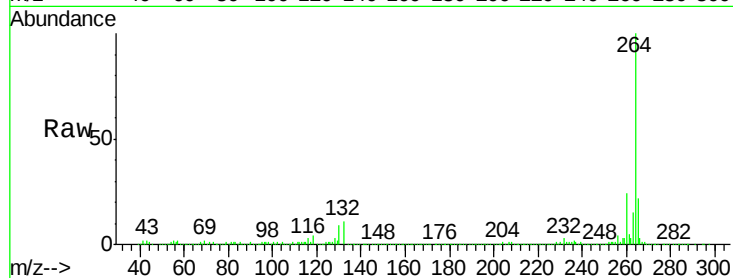




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF082867.D
Acq: 10 Nov 2015 11:39

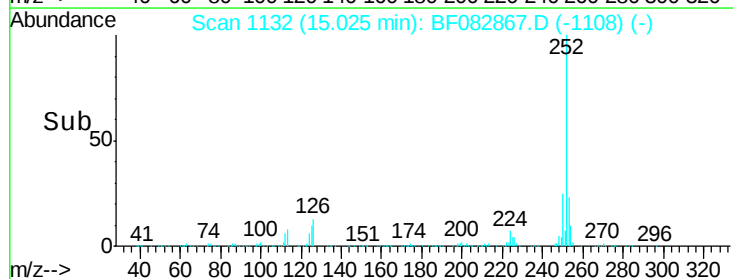
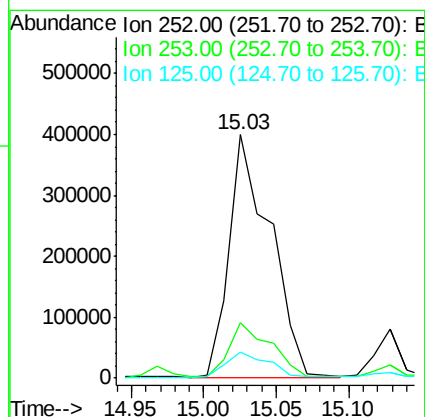
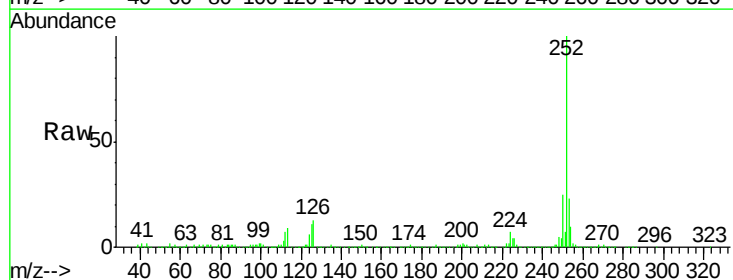
Instrument :
BNA_F
ClientSampleId :
1DL

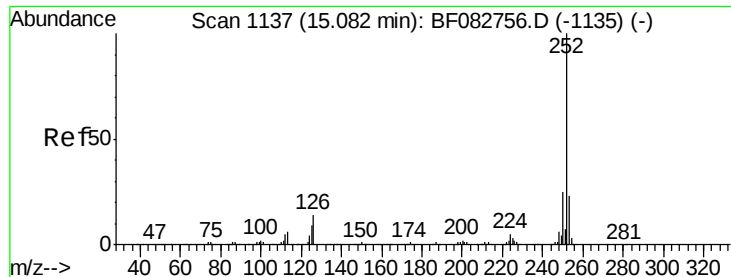
Tot Ion:264 Resp: 539015
Ion Ratio Lower Upper
264 100
260 24.3 19.8 29.6
265 22.1 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 22.69 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.02 min
Lab File: BF082867.D
Acq: 10 Nov 2015 11:39

Tgt Ion:252 Resp: 785202
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 10.7 5.4 8.2#

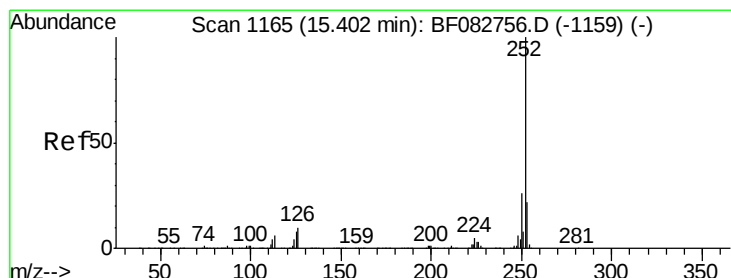
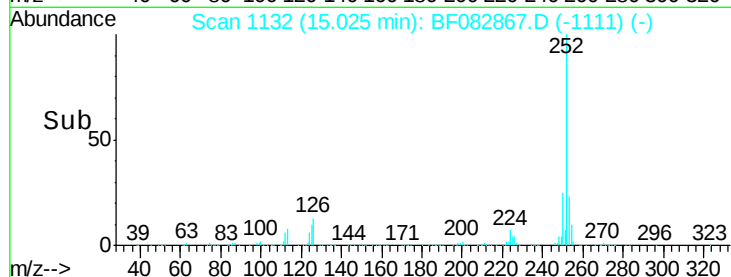
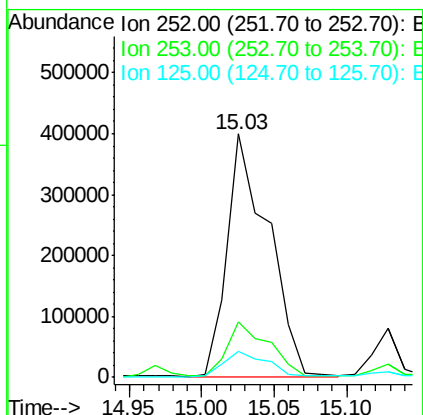
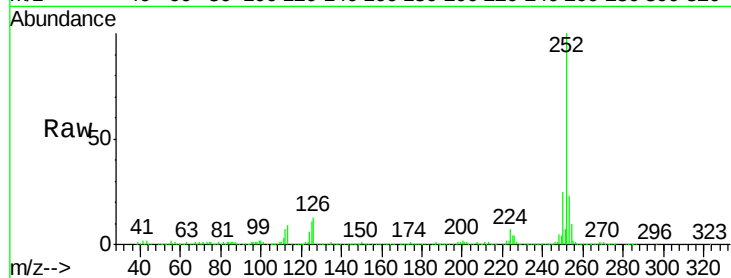




#88
Benzo(k)fluoranthene
Concen: 25.58 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.06 min
Lab File: BF082867.D
Acq: 10 Nov 2015 11:39

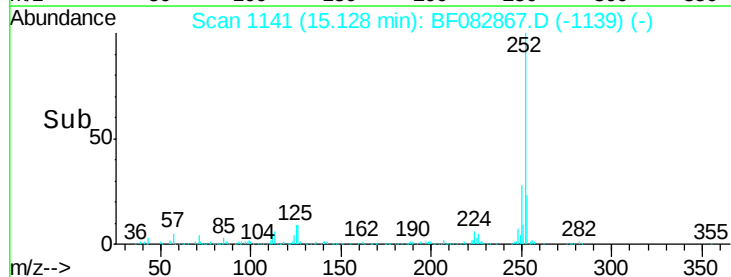
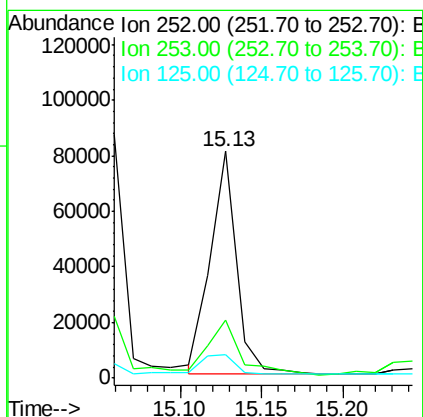
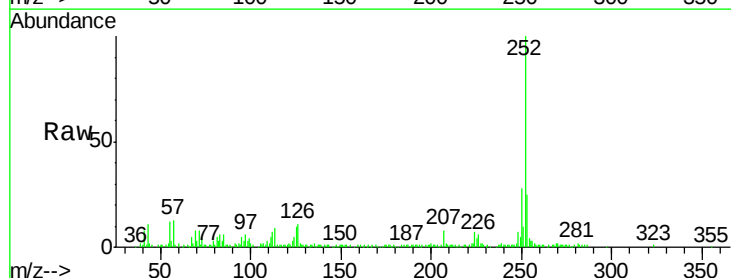
Instrument :
BNA_F
ClientSampleId :
1DL

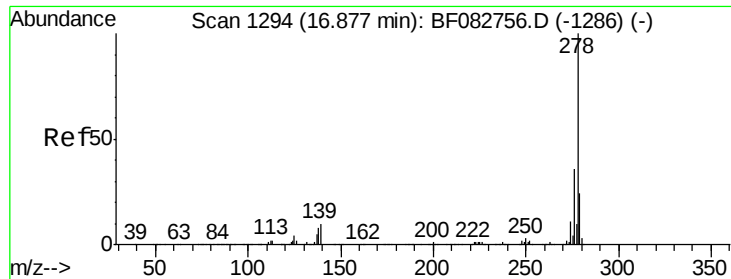
Tot Ion:252 Resp: 785202
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 10.7 3.5 5.3#



#89
Benzo(a)pyrene
Concen: 3.00 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.27 min
Lab File: BF082867.D
Acq: 10 Nov 2015 11:39

Tgt Ion:252 Resp: 89928
Ion Ratio Lower Upper
252 100
253 25.4 17.3 25.9
125 10.4 7.1 10.7





#90

Dibenzo(a,h)anthracene

Concen: 2.03 ng

RT: 16.82 min Scan# 1289

Delta R.T. -0.05 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

Instrument :

BNA_F

ClientSampleId :

1DL

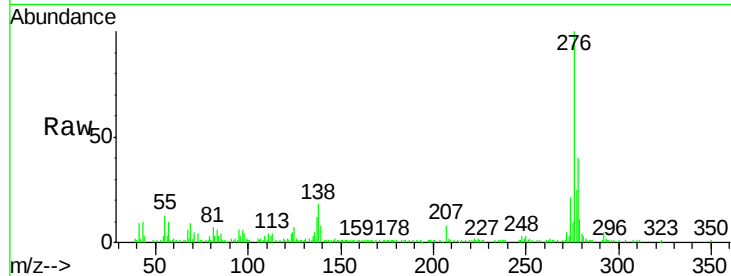
Tot Ion:278 Resp: 51605

Ion Ratio Lower Upper

278 100

139 19.0 9.9 14.9#

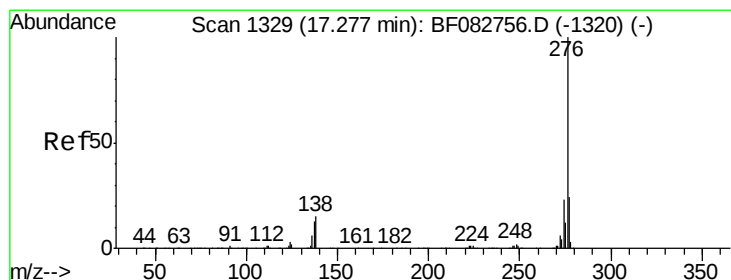
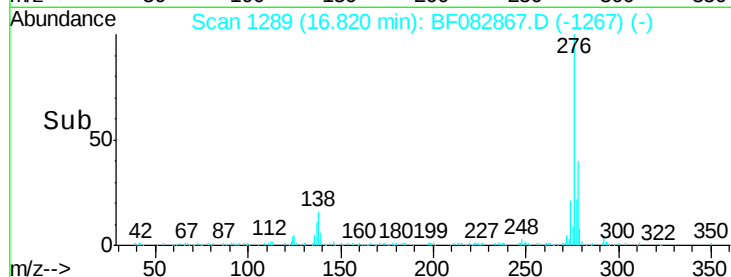
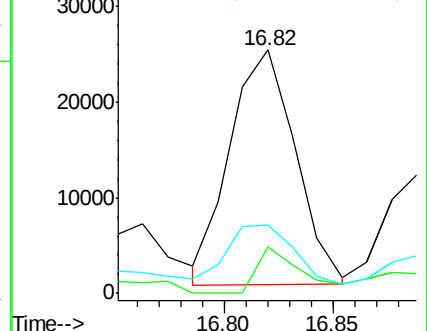
279 28.1 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.97 ng

RT: 17.22 min Scan# 1324

Delta R.T. -0.05 min

Lab File: BF082867.D

Acq: 10 Nov 2015 11:39

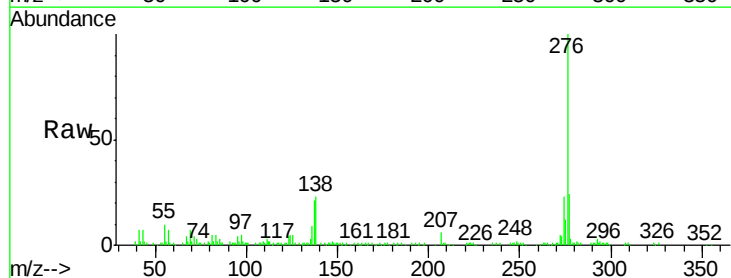
Tgt Ion:276 Resp: 169502

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 22.9 13.1 19.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

