

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100915\
 Data File : BF082159.D
 Acq On : 9 Oct 2015 22:15
 Operator : UM/IZ
 Sample : G3921-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 22:54:44 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 22:47:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	101715	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	380079	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	170048	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	244915	20.00	ng	0.01
75) Chrysene-d12	14.05	240	177907	20.00	ng	0.01
86) Perylene-d12	15.49	264	164323	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	532637	95.06	ng	0.01
7) Phenol-d6	6.49	99	754418	107.00	ng	0.00
23) Nitrobenzene-d5	7.42	82	410880	72.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	122929	71.38	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	628285	58.13	ng	-0.01
78) Terphenyl-d14	12.97	244	431926	76.20	ng	0.00

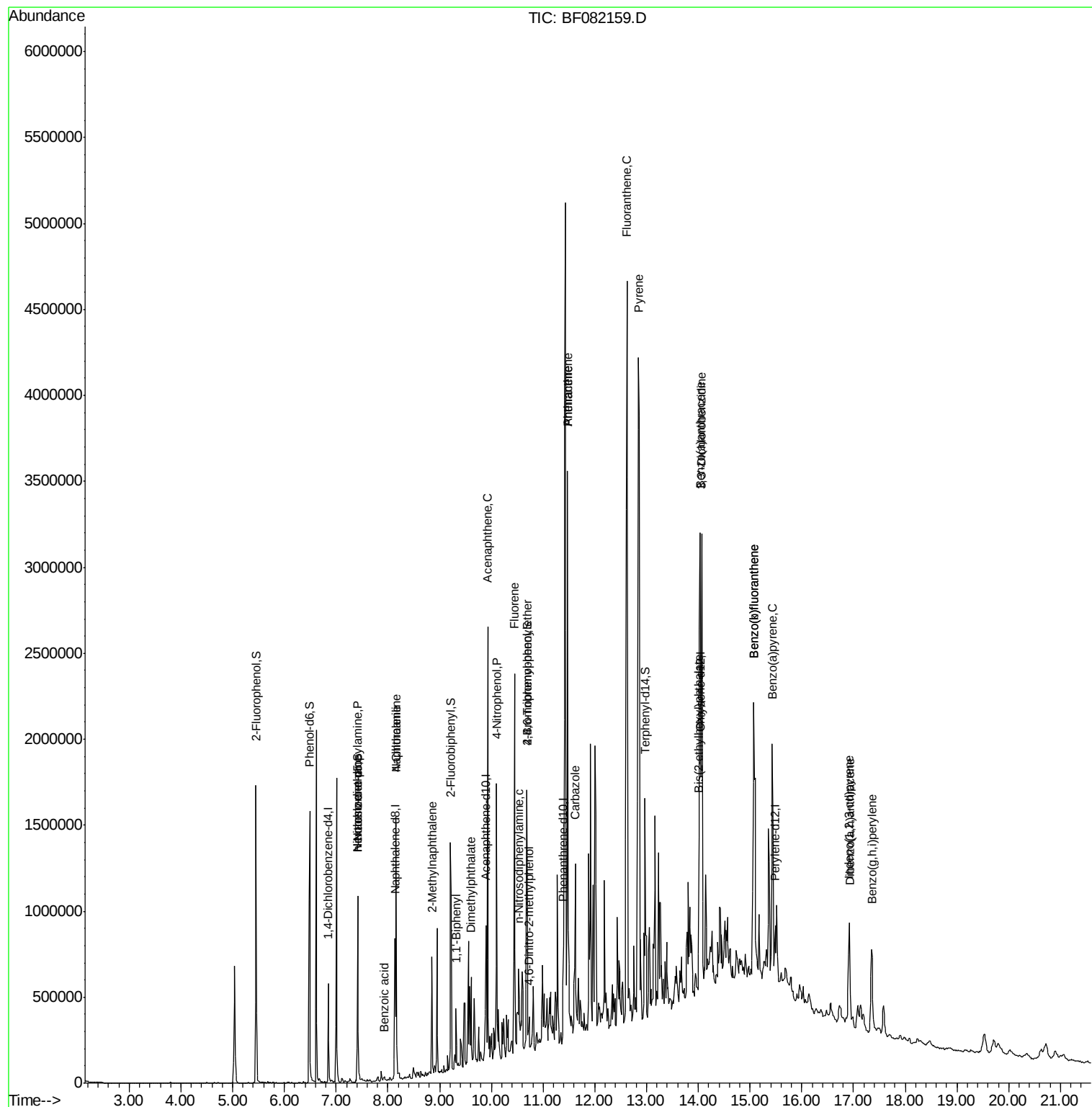
Target Compounds						Qvalue
18) Hexachloroethane	7.42	117	5751	2.41	ng	# 5
19) n-Nitroso-di-n-propylamine	7.42	70	55424	12.93	ng	# 59
31) Naphthalene	8.16	128	658447	39.10	ng	# 97
32) Benzoic acid	7.93	122	7888	9.48	ng	# 26
33) 4-Chloroaniline	8.16	127	87813	12.06	ng	# 35
37) 2-Methylnaphthalene	8.86	142	272940	23.74	ng	# 94
45) 1,1'-Biphenyl	9.31	154	119931	9.14	ng	# 96
49) Dimethylphthalate	9.61	163	156230	13.31	ng	# 97
51) Acenaphthene	9.93	154	552455	56.43	ng	# 89
53) 2,4-Dinitrophenol	10.18	184	212	Below Cal		# 1
55) 4-Nitrophenol	10.10	139	253946	119.21	ng	# 28
57) Fluorene	10.45	166	683065	70.22	ng	# 92
64) 4,6-Dinitro-2-methylphenol	10.72	198	1214	2.49	ng	# 1
65) n-Nitrosodiphenylamine	10.53	169	49425	6.67	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	7527	3.05	ng	# 1
70) Phenanthrene	11.47	178	1509877	131.30	ng	# 94
71) Anthracene	11.47	178	1509877	121.29	ng	# 94
72) Carbazole	11.62	167	455387	40.42	ng	# 96
74) Fluoranthene	12.62	202	3606424	274.88	ng	# 90
77) Pvrene	12.85	202	3043690	286.38	ng	# 89
80) Benzo(a)anthracene	14.04	228	1609793	168.04	ng	# 93
81) 3,3'-Dichlorobenzidine	14.07	252	15455	4.78	ng	# 1
82) Chrysene	14.04	228	1609793	Below Cal		# 94
83) Bis(2-ethylhexyl)phthalate	14.01	149	38091	7.59	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.92	276	519960	69.38	ng	# 82
87) Benzo(b)fluoranthene	15.08	252	1659084	176.84	ng	# 86
88) Benzo(k)fluoranthene	15.08	252	1659084	192.94	ng	# 87
89) Benzo(a)pyrene	15.43	252	924097	113.55	ng	# 85
90) Dibenzo(a,h)anthracene	16.93	278	104480	15.30	ng	# 77
91) Benzo(g,h,i)perylene	17.35	276	475841	68.01	ng	# 77

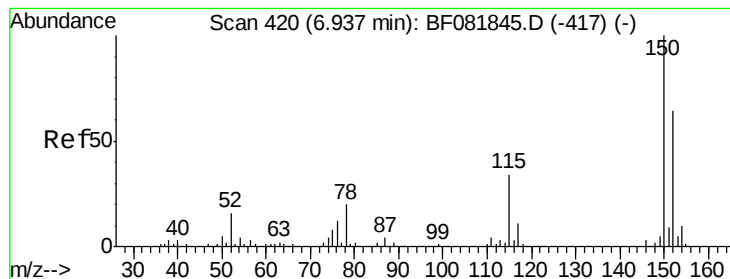
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

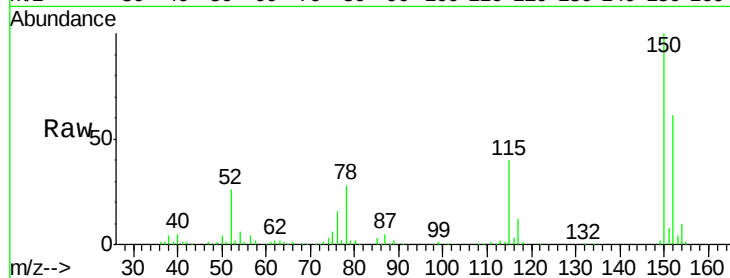
Tot Ion:152 Resp: 101715

Ion Ratio Lower Upper

152 100

150 163.3 124.7 187.1

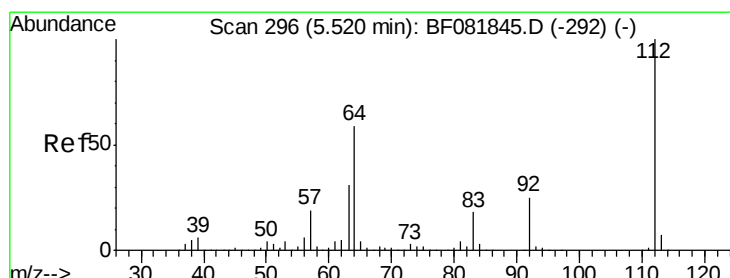
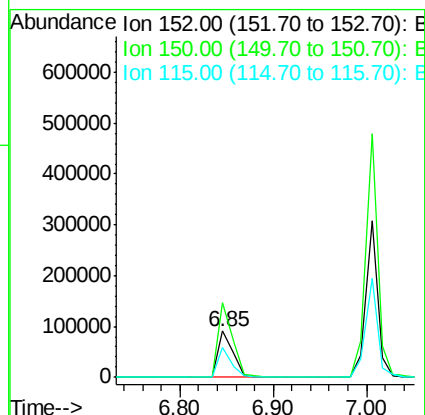
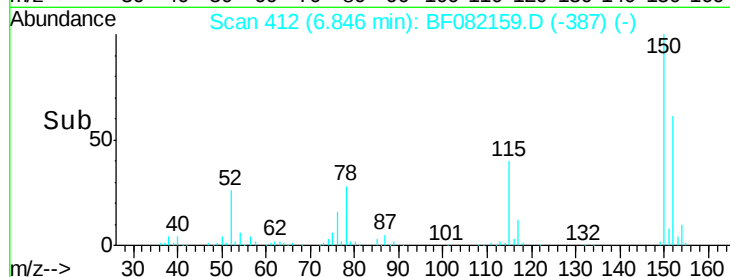
115 65.9 39.0 58.4#



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: 95.06 ng

RT: 5.45 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

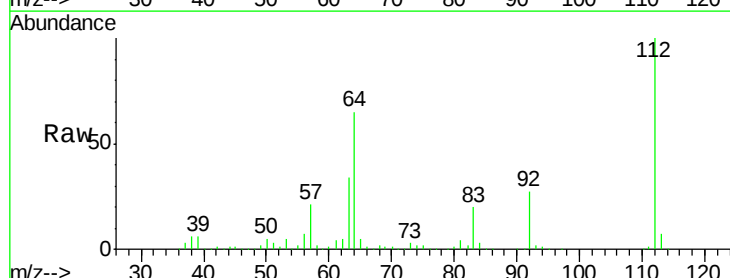
Tgt Ion:112 Resp: 532637

Ion Ratio Lower Upper

112 100

64 64.8 39.7 59.5#

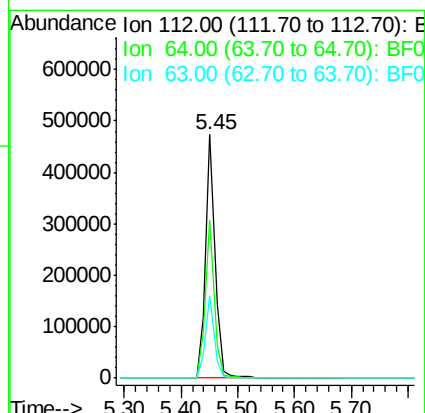
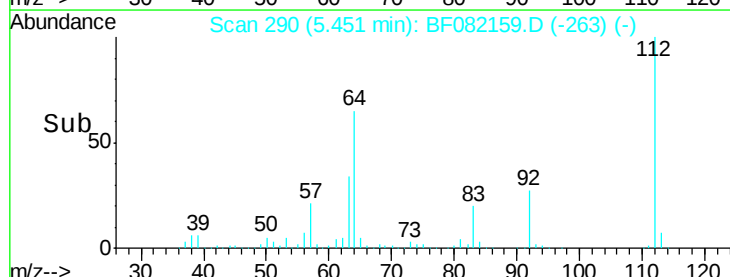
63 34.0 17.4 26.0#

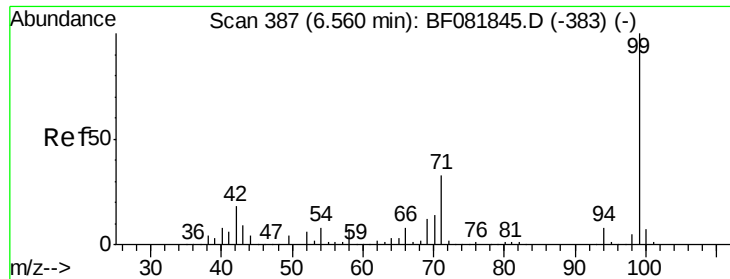


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.00 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

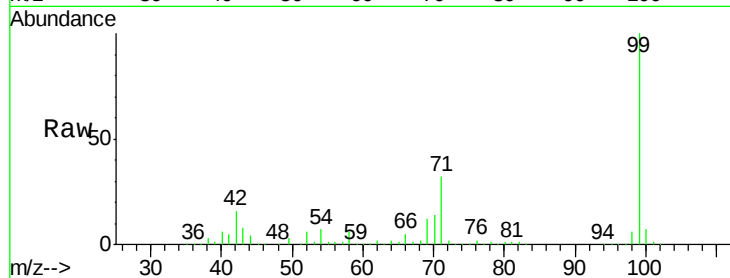
Tot Ion: 99 Resp: 754418

Ion Ratio Lower Upper

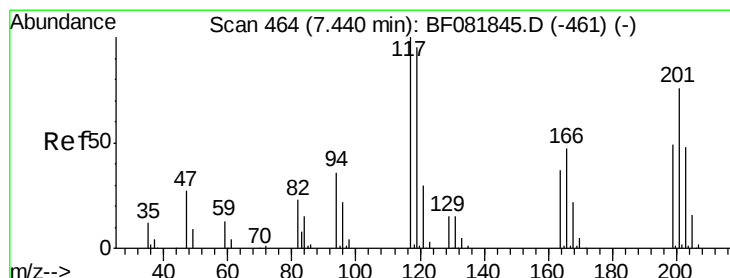
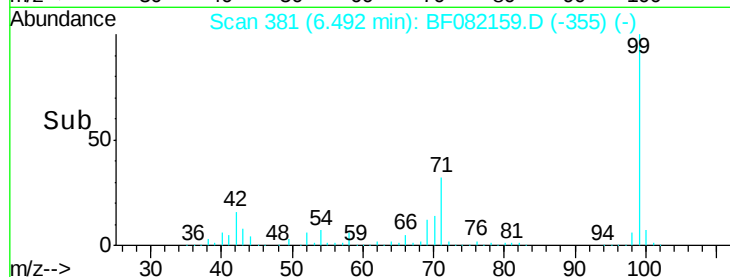
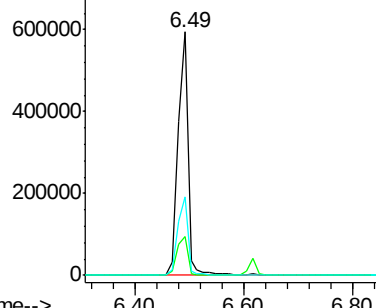
99 100

42 15.9 13.7 20.5

71 32.4 14.2 21.2#



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



#18

Hexachloroethane

Concen: 2.41 ng

RT: 7.42 min Scan# 462

Delta R.T. 0.06 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

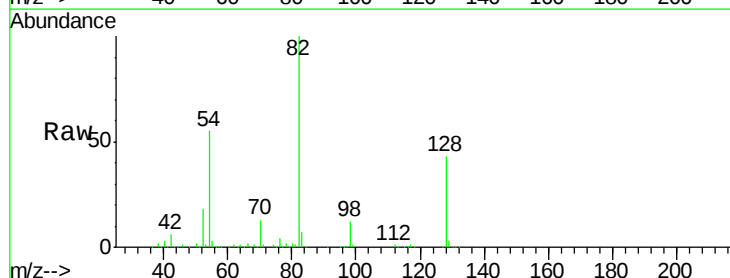
Tgt Ion: 117 Resp: 5751

Ion Ratio Lower Upper

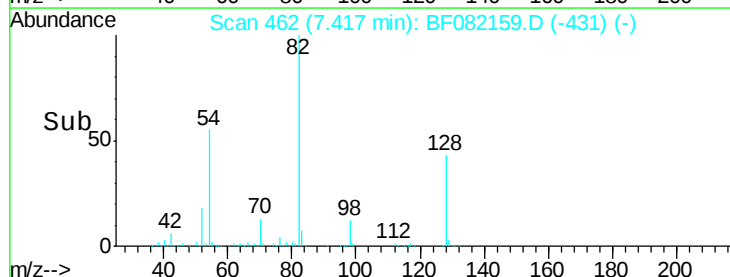
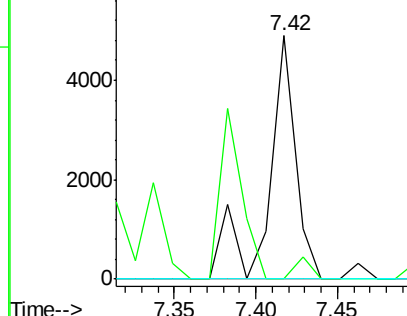
117 100

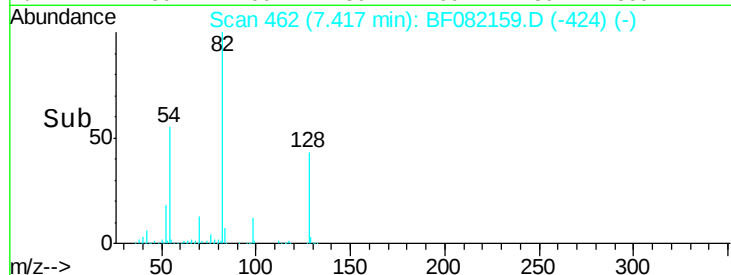
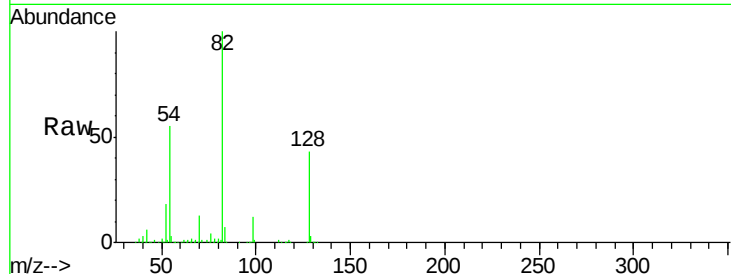
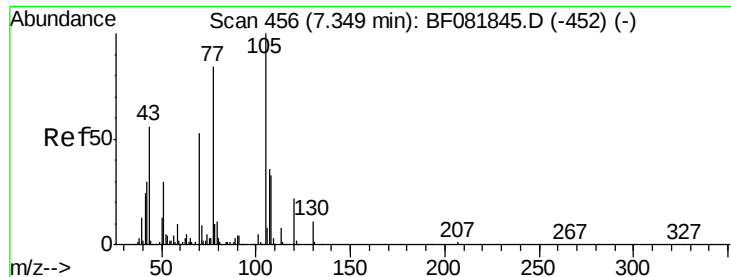
119 0.0 83.8 125.6#

201 0.0 55.1 82.7#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

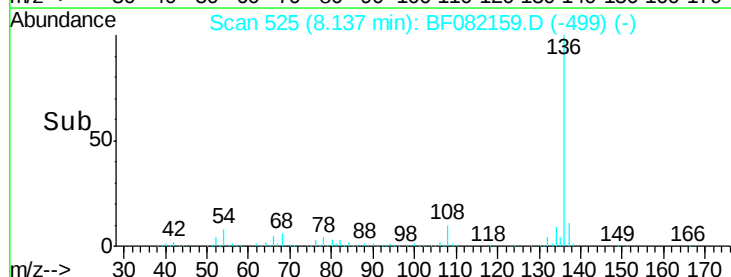
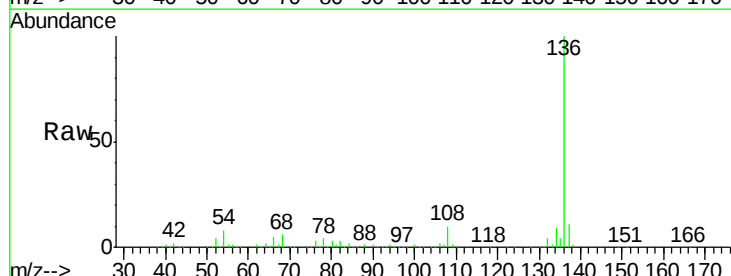
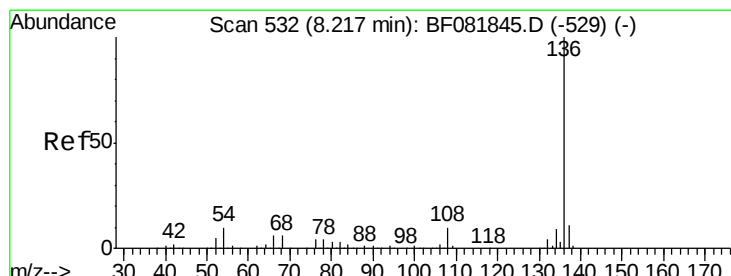
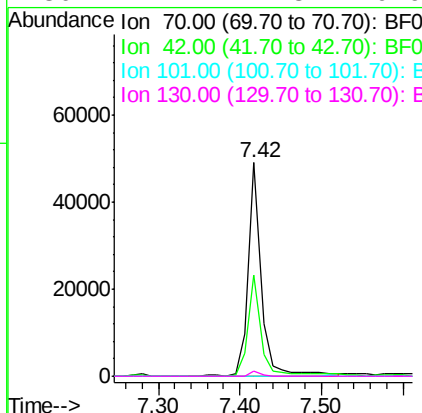




#19
n-Nitroso-di-n-propylamine
Concen: 12.93 ng
RT: 7.42 min Scan# 462
Delta R.T. 0.14 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

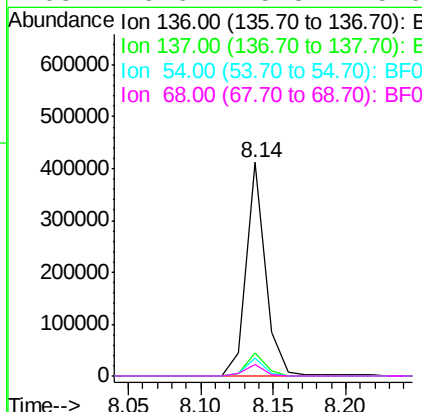
Instrument :
BNA_F
ClientSampleId :

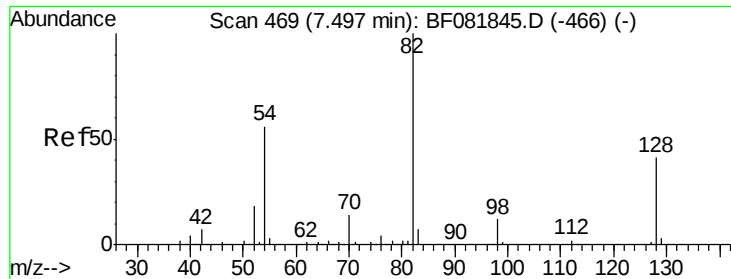
Tot Ion: 70 Resp: 55424
Ion Ratio Lower Upper
70 100
42 47.7 63.8 95.6#
101 0.0 9.2 13.8#
130 2.4 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:136 Resp: 380079
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 8.4 8.2 12.2
68 5.6 5.8 8.6#

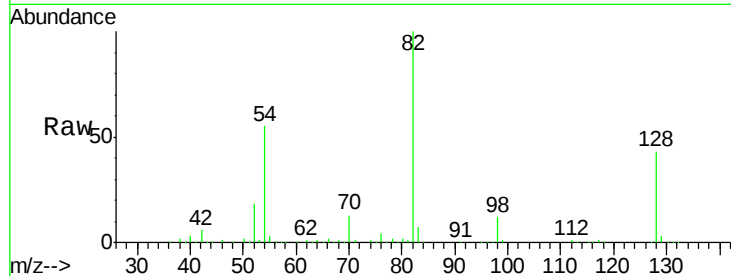




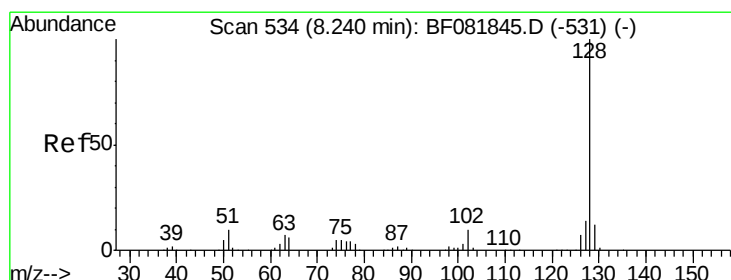
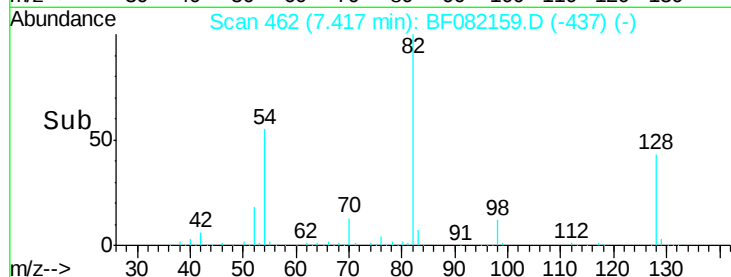
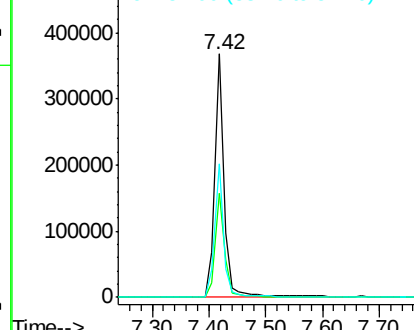
#23
Nitrobenzene-d5
Concen: 72.06 ng
RT: 7.42 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 410880
Ion Ratio Lower Upper
82 100
128 42.6 51.0 76.6#
54 54.8 47.5 71.3

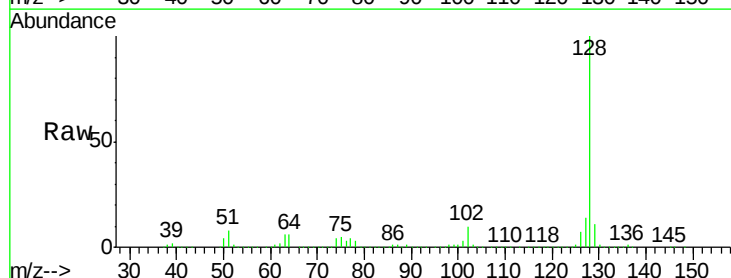


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

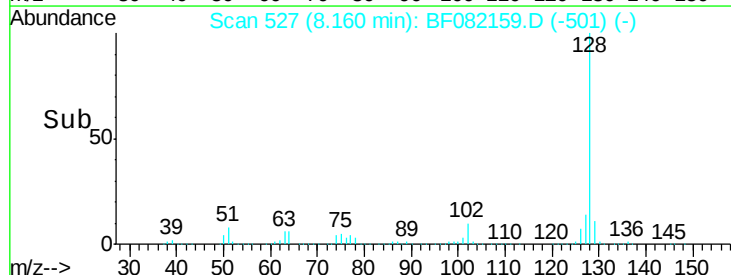
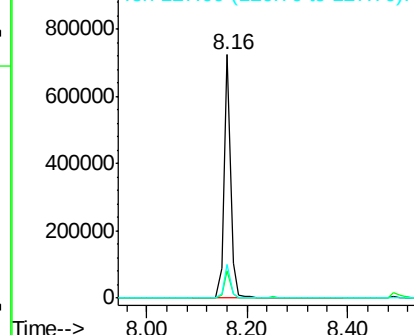


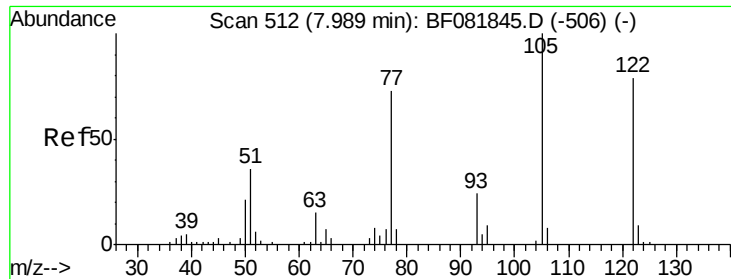
#31
Naphthalene
Concen: 39.10 ng
RT: 8.16 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion: 128 Resp: 658447
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 13.6 9.9 14.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.48 ng

RT: 7.93 min Scan# 507

Delta R.T. -0.02 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

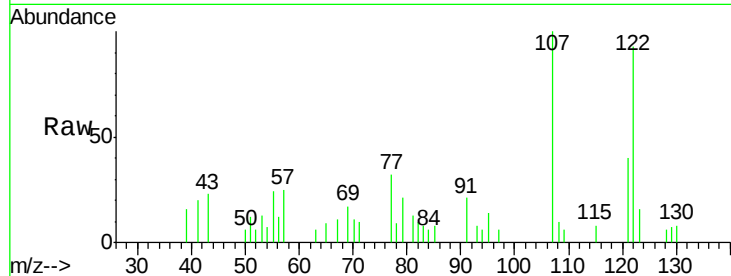
Tot Ion:122 Resp: 7888

Ion Ratio Lower Upper

122 100

105 0.0 76.1 116.1#

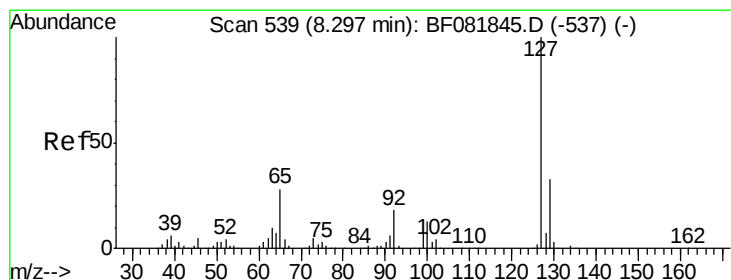
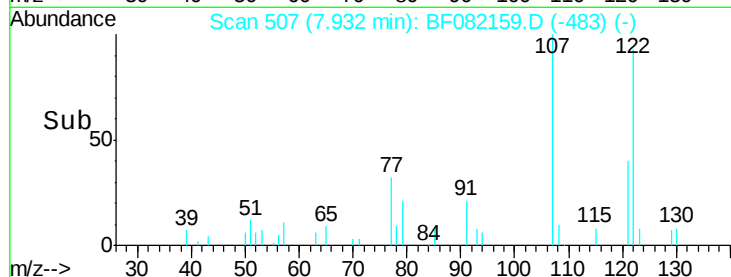
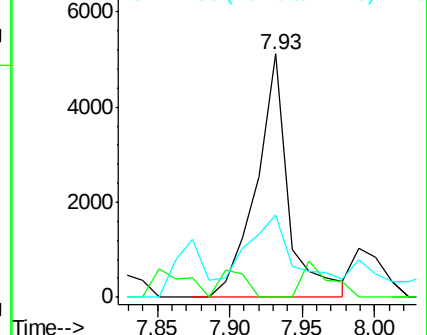
77 34.0 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 12.06 ng

RT: 8.16 min Scan# 527

Delta R.T. -0.06 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Tgt Ion:127 Resp: 87813

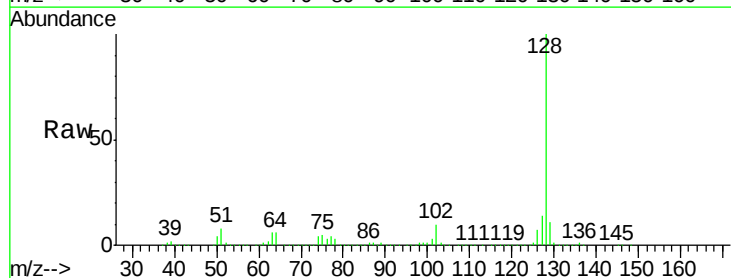
Ion Ratio Lower Upper

127 100

129 83.2 25.8 38.6#

65 0.0 17.9 26.9#

92 0.6 10.5 15.7#

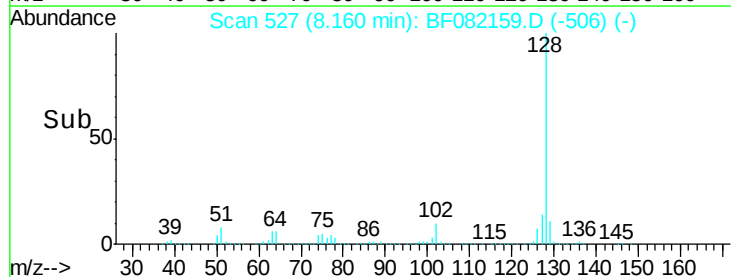
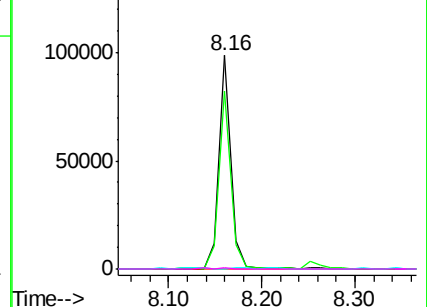


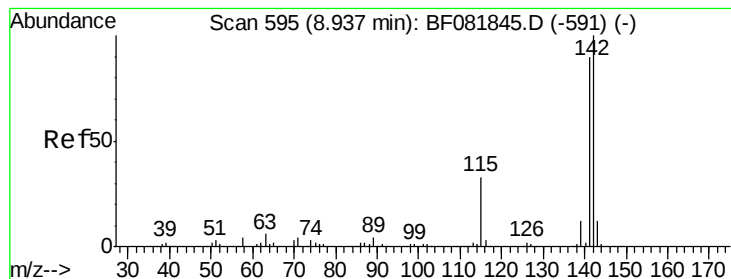
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 23.74 ng

RT: 8.86 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

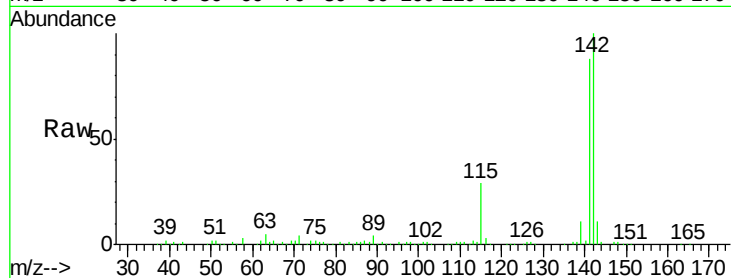
Tot Ion:142 Resp: 272940

Ion Ratio Lower Upper

142 100

141 88.1 67.5 101.3

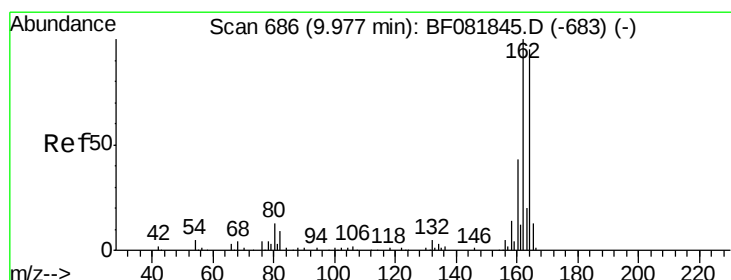
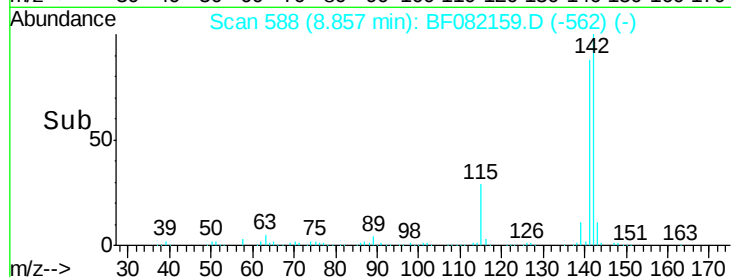
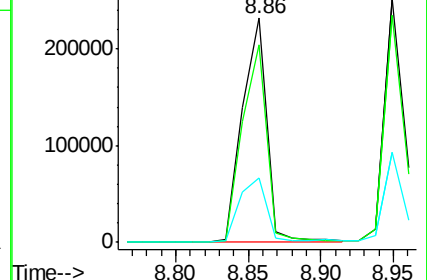
115 28.9 18.2 27.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

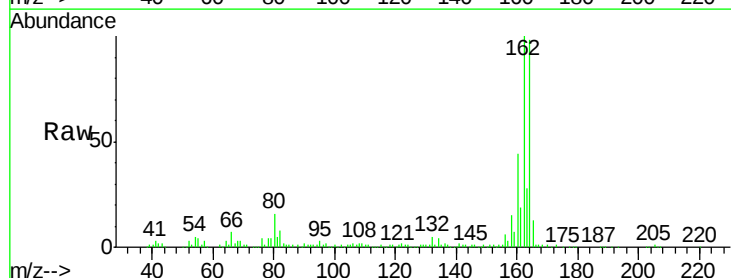
Tgt Ion:164 Resp: 170048

Ion Ratio Lower Upper

164 100

162 102.0 75.2 112.8

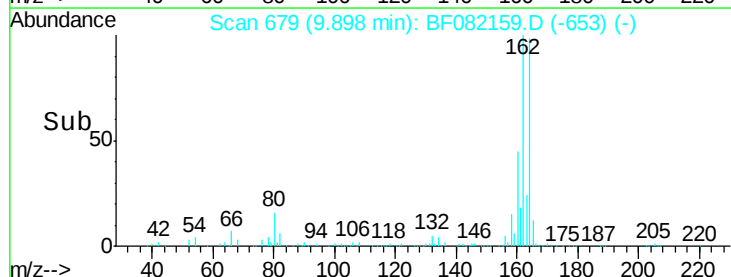
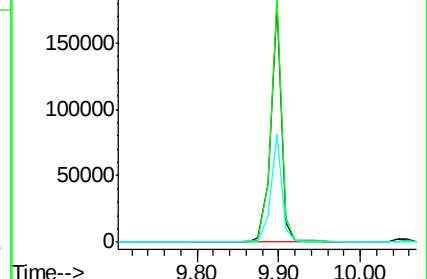
160 45.3 31.5 47.3

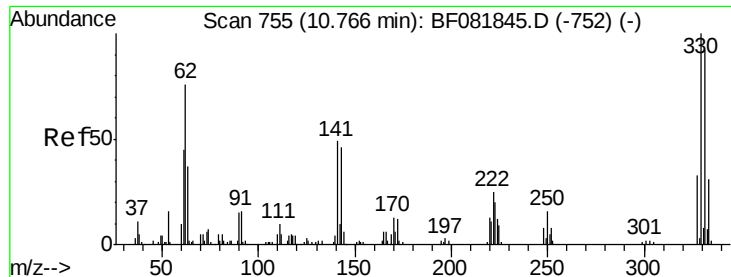


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

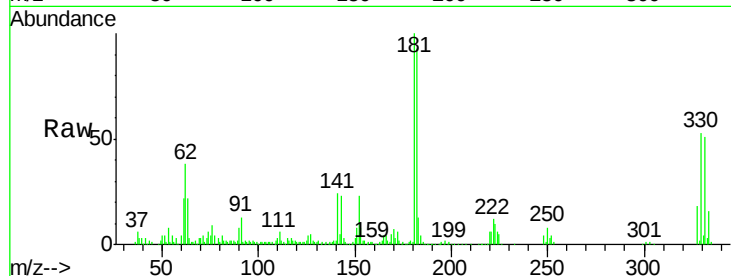




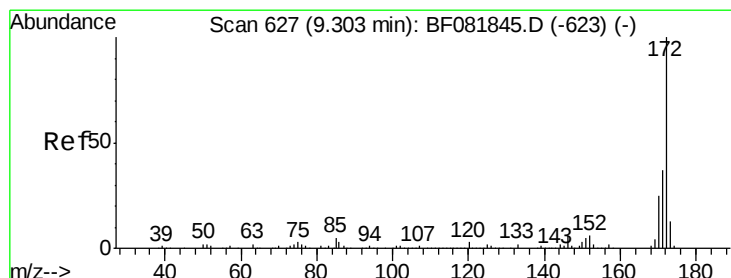
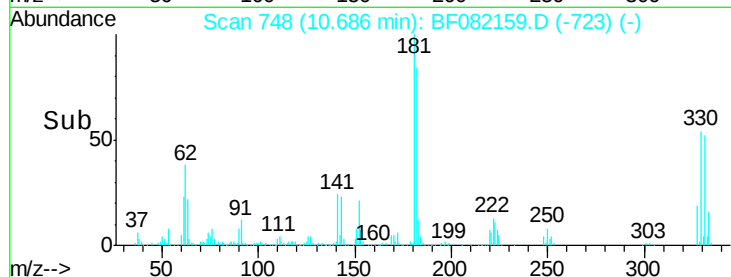
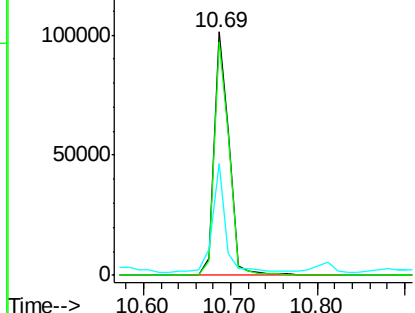
#41
 2,4,6-Tribromophenol
 Concen: 71.38 ng
 RT: 10.69 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	114.8
141	38.4	29.7	44.5

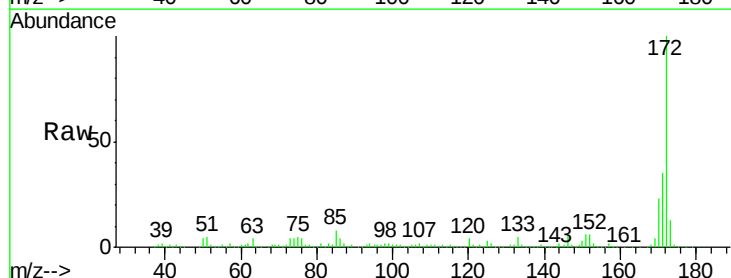


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

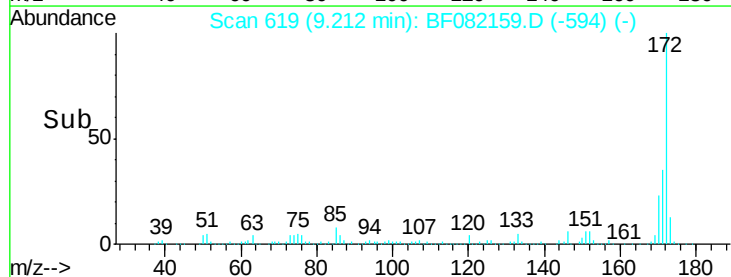
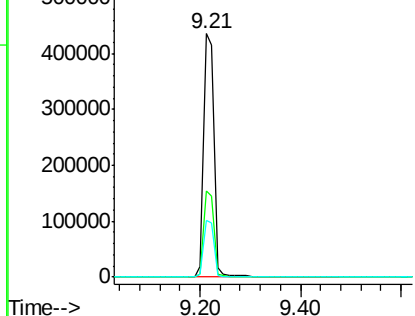


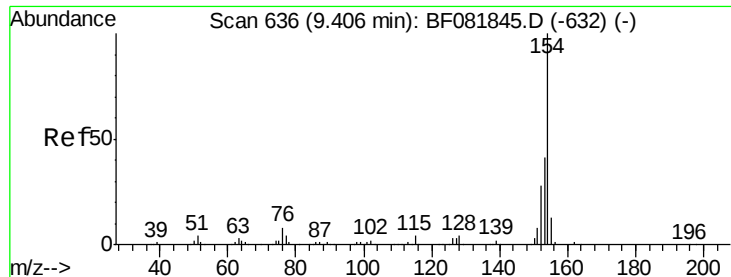
#44
 2-Fluorobiphenyl
 Concen: 58.13 ng
 RT: 9.21 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.1	39.1
170	23.5	17.4	26.2



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

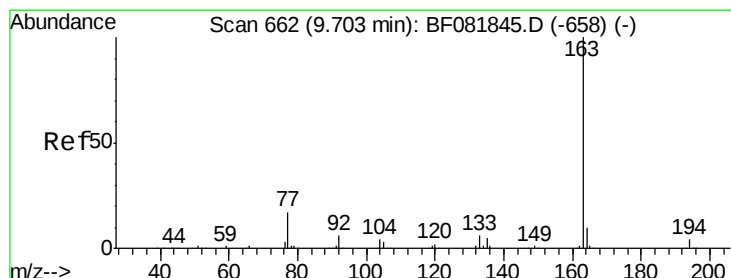
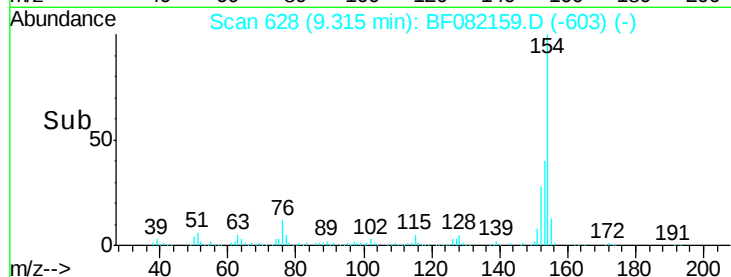
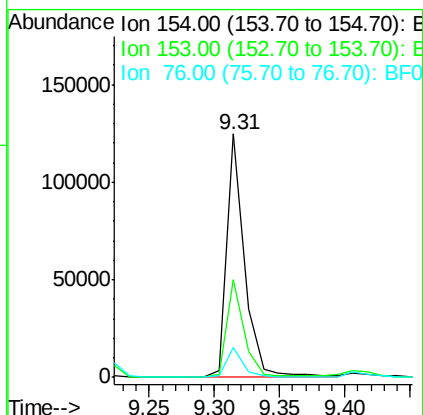
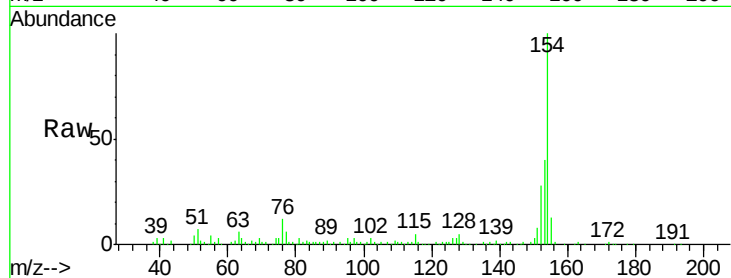




#45
 1,1'-Biphenyl
 Concen: 9.14 ng
 RT: 9.31 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

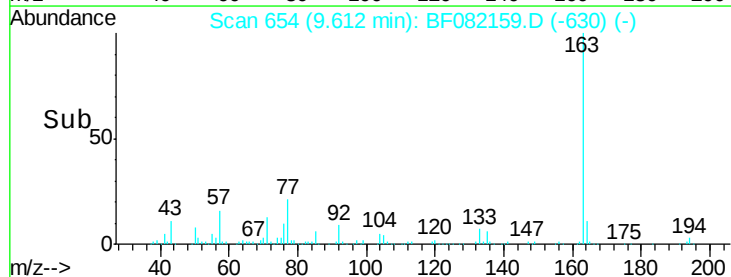
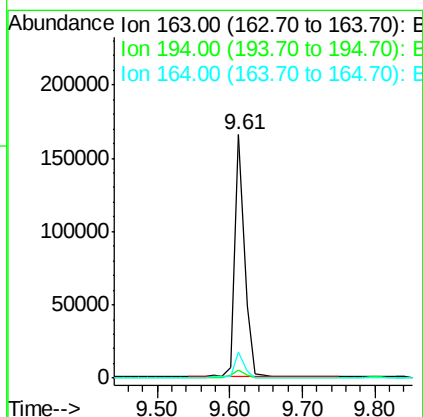
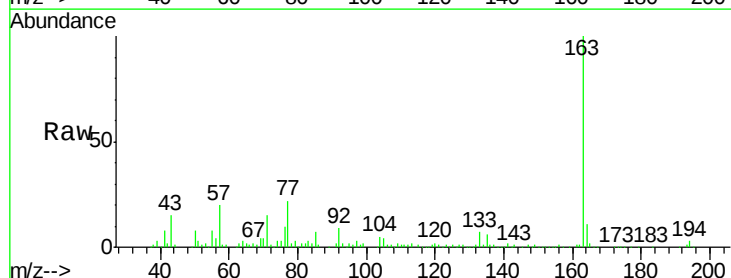
Instrument :
 BNA_F
 ClientSampleId :

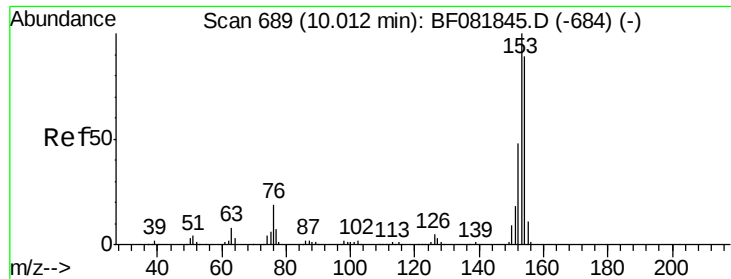
Tot Ion:154 Resp: 119931
 Ion Ratio Lower Upper
 154 100
 153 40.0 17.1 57.1
 76 12.1 0.0 31.6



#49
 Dimethylphthalate
 Concen: 13.31 ng
 RT: 9.61 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

Tgt Ion:163 Resp: 156230
 Ion Ratio Lower Upper
 163 100
 194 3.2 4.4 6.6#
 164 10.6 8.3 12.5





#51

Acenaphthene

Concen: 56.43 ng

RT: 9.93 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

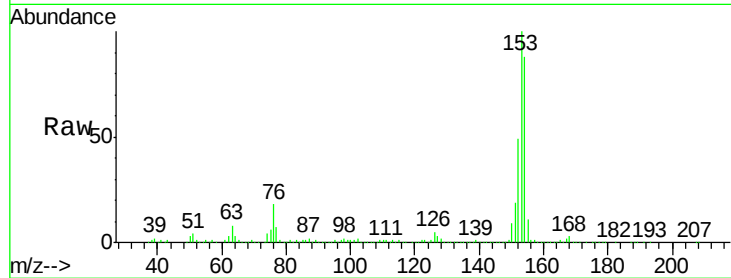
Tot Ion:154 Resp: 552455

Ion Ratio Lower Upper

154 100

153 113.7 82.1 123.1

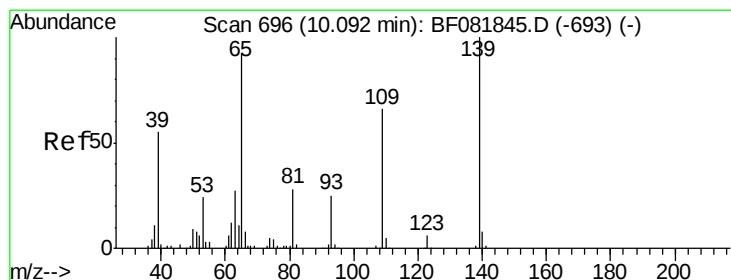
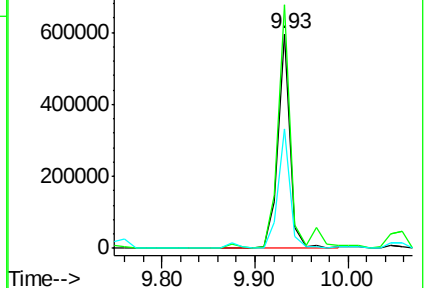
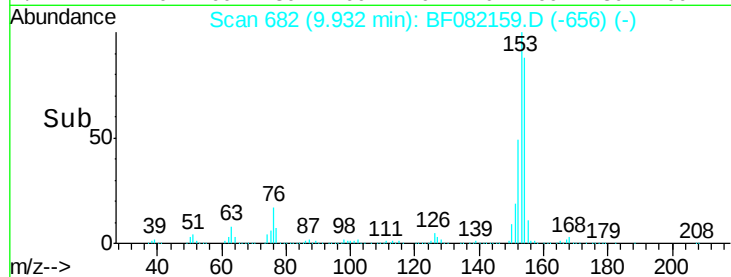
152 55.7 37.9 56.9



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



#55

4-Nitrophenol

Concen: 119.21 ng

RT: 10.10 min Scan# 697

Delta R.T. 0.07 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

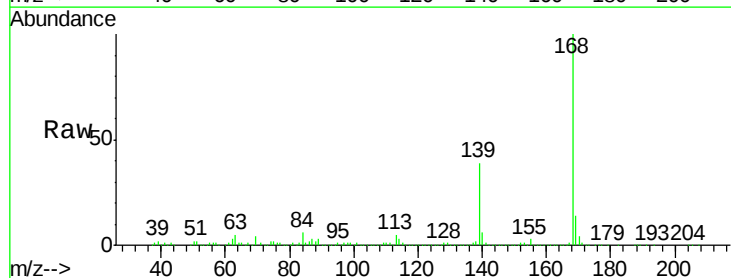
Tgt Ion:139 Resp: 253946

Ion Ratio Lower Upper

139 100

109 1.7 12.7 52.7#

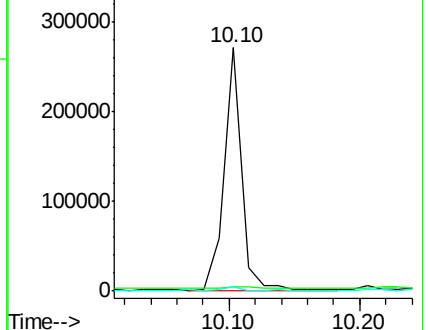
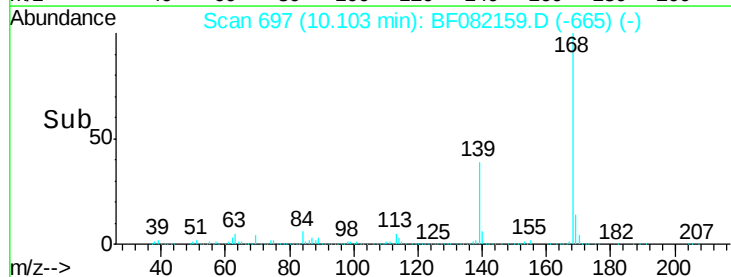
65 1.6 45.9 85.9#

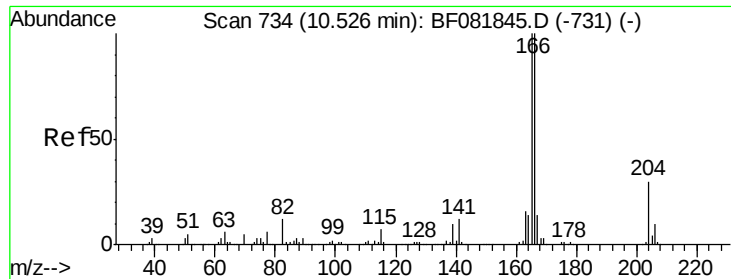


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

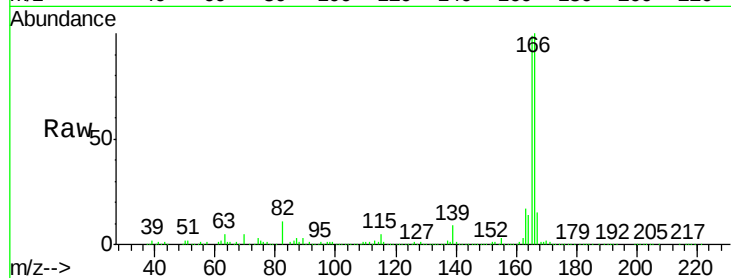




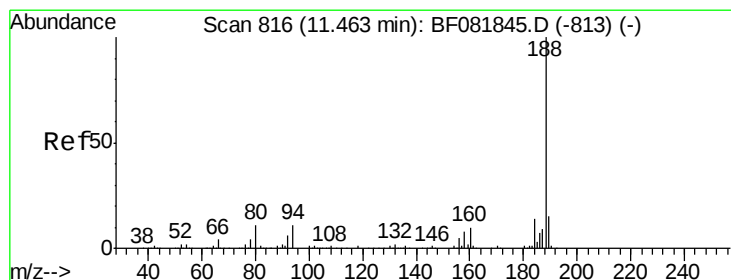
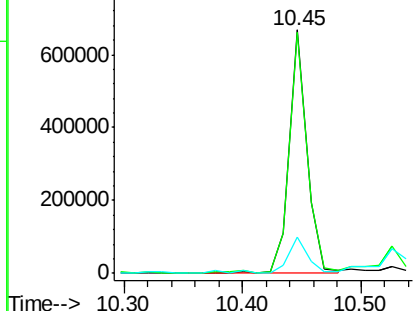
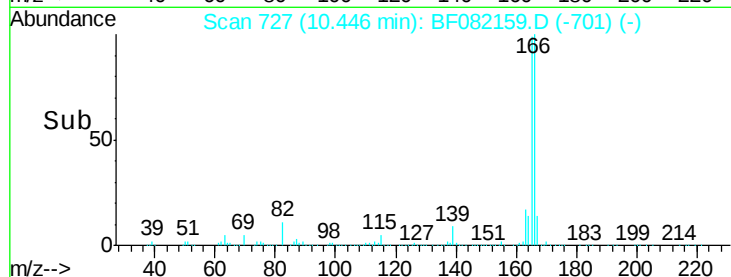
#57
Fluorene
 Concen: 70.22 ng
 RT: 10.45 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 683065
 Ion Ratio Lower Upper
 166 100
 165 99.1 72.6 109.0
 167 15.0 10.6 16.0

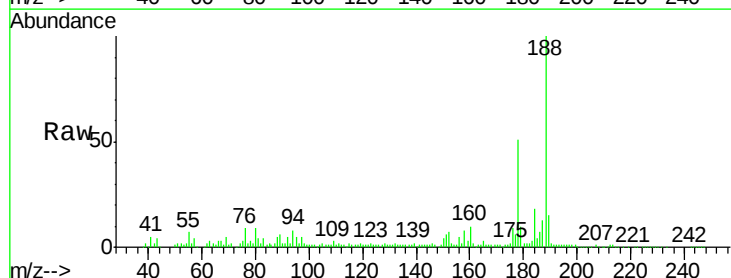


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

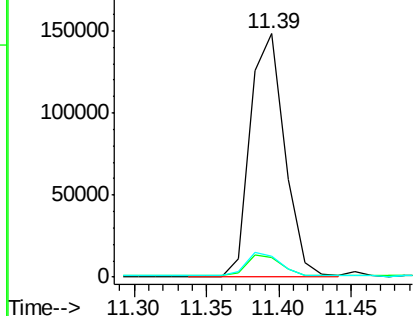
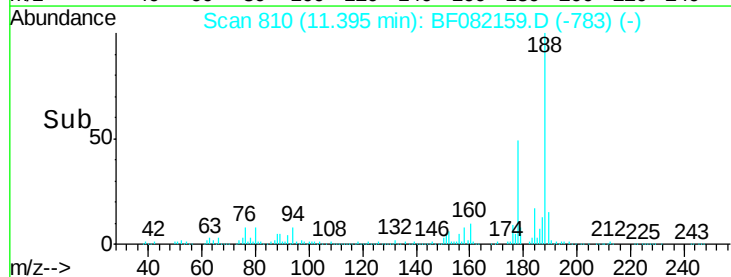


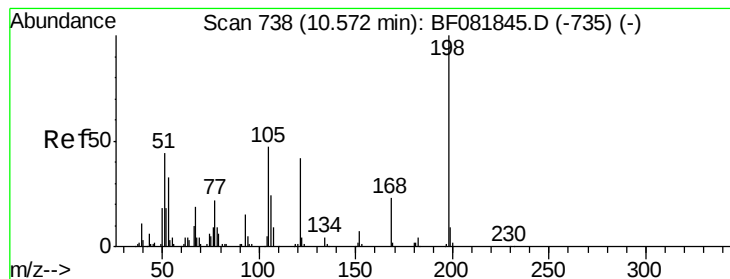
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

Tgt Ion:188 Resp: 244915
 Ion Ratio Lower Upper
 188 100
 94 8.2 11.1 16.7#
 80 8.8 11.0 16.4#



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





#64

4,6-Dinitro-2-methylphenol

Concen: 2.49 ng

RT: 10.72 min Scan# 751

Delta R.T. 0.21 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampled :

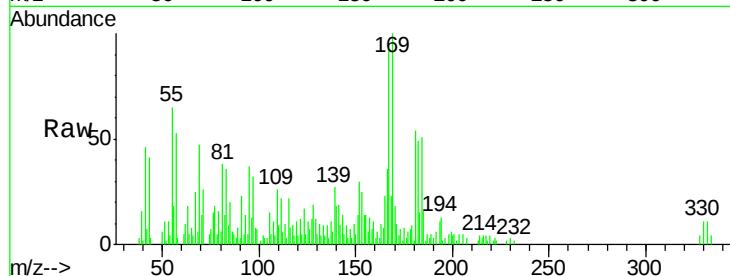
Tot Ion:198 Resp: 1214

Ion Ratio Lower Upper

198 100

51 244.3 39.6 79.6#

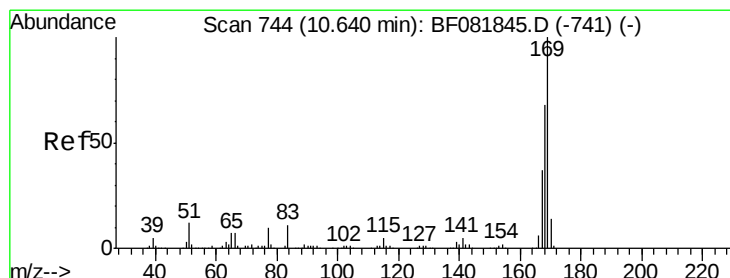
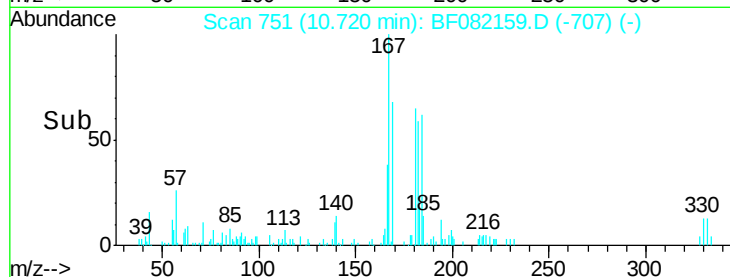
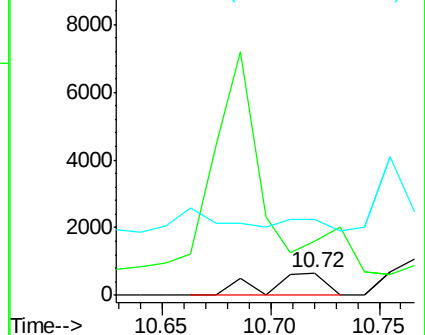
105 342.4 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 6.67 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

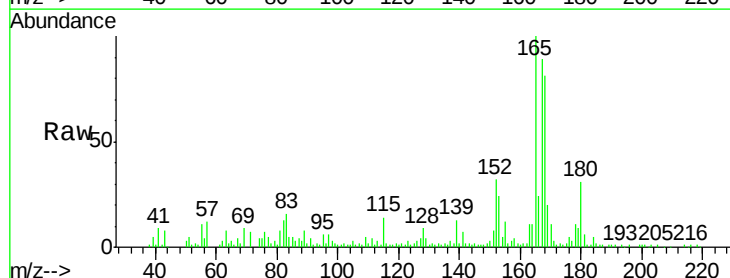
Tgt Ion:169 Resp: 49425

Ion Ratio Lower Upper

169 100

168 408.3 48.9 73.3#

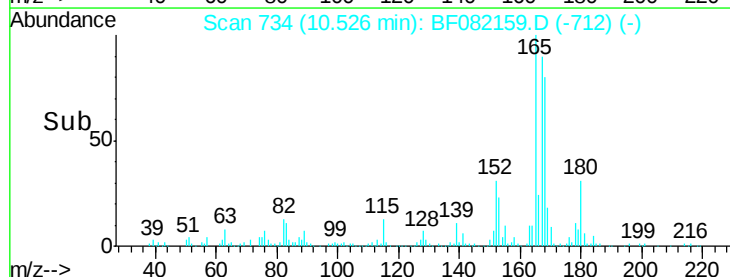
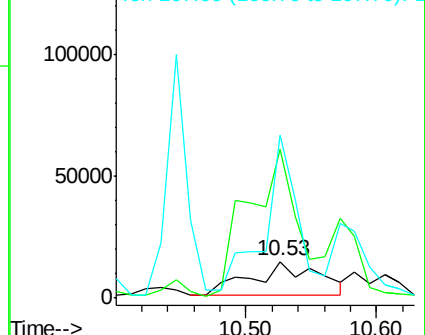
167 449.4 26.2 39.4#

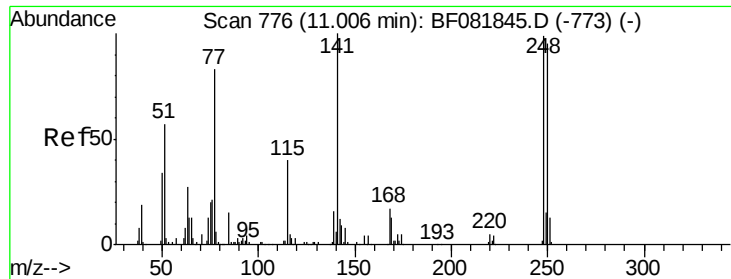


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 3.05 ng

RT: 10.69 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

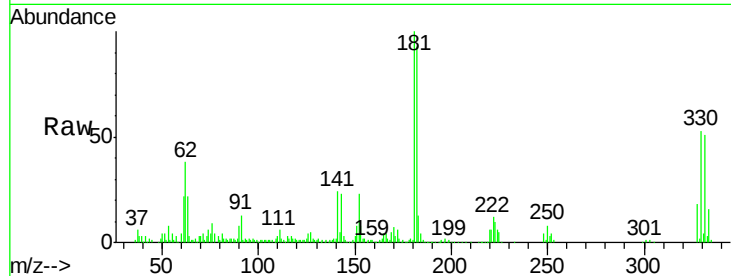
Tot Ion:248 Resp: 7527

Ion Ratio Lower Upper

248 100

250 193.5 78.5 117.7#

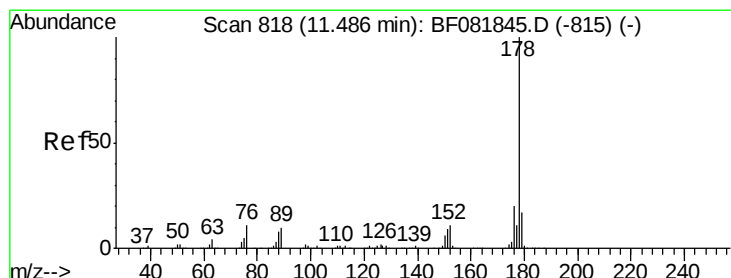
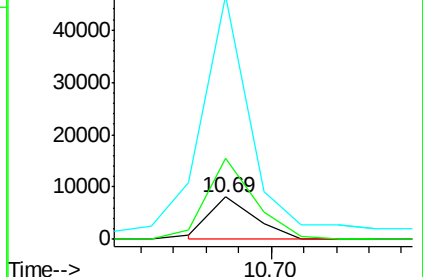
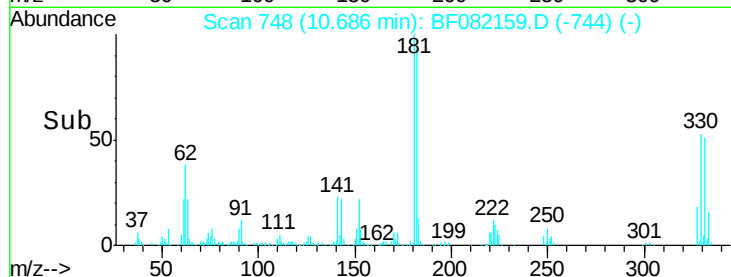
141 577.5 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 131.30 ng

RT: 11.47 min Scan# 817

Delta R.T. 0.06 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

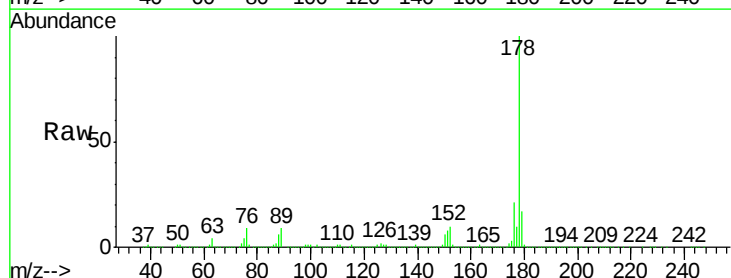
Tgt Ion:178 Resp: 1509877

Ion Ratio Lower Upper

178 100

176 20.6 13.8 20.8

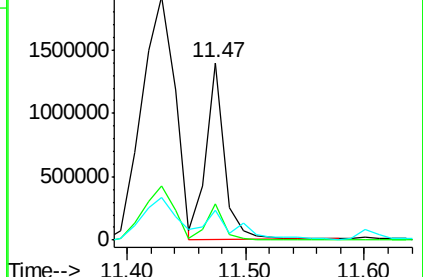
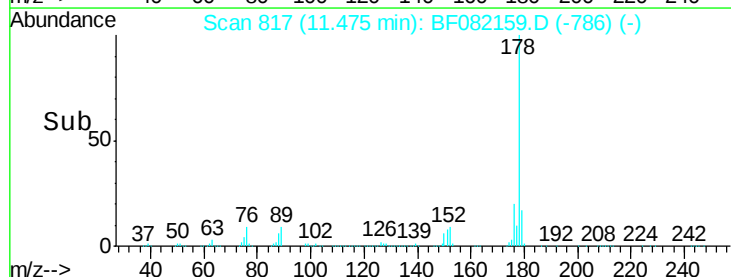
179 16.9 12.2 18.2

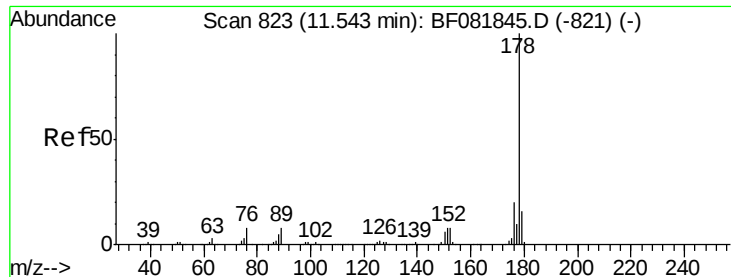


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

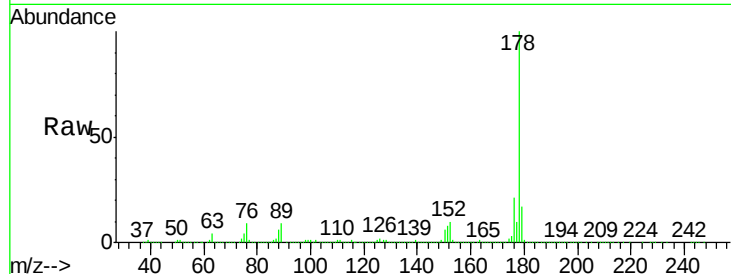




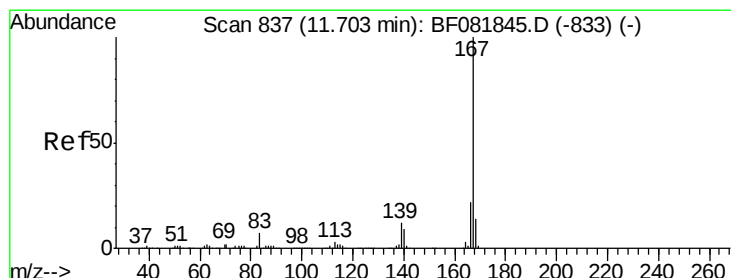
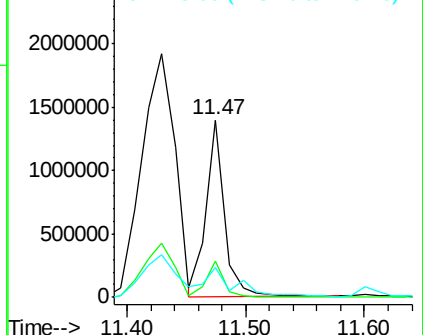
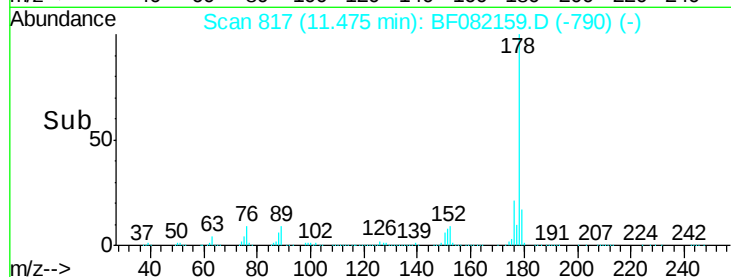
#71
 Anthracene
 Concen: 121.29 ng
 RT: 11.47 min Scan# 817
 Delta R.T. 0.01 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 1509877
 Ion Ratio Lower Upper
 178 100
 176 20.6 14.1 21.1
 179 16.9 12.2 18.2

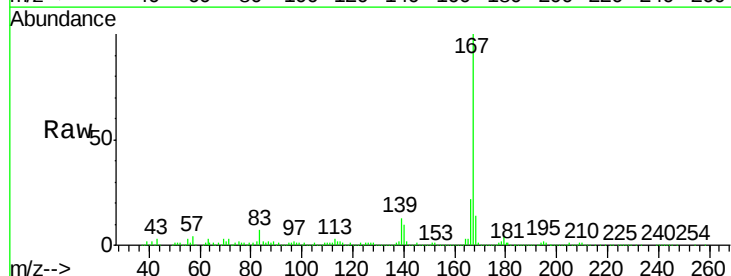


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

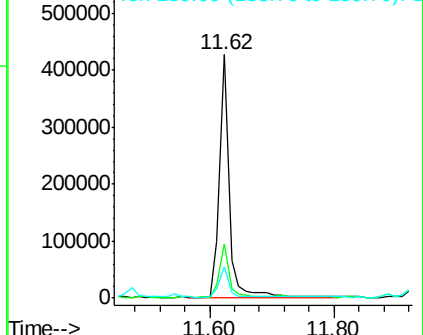
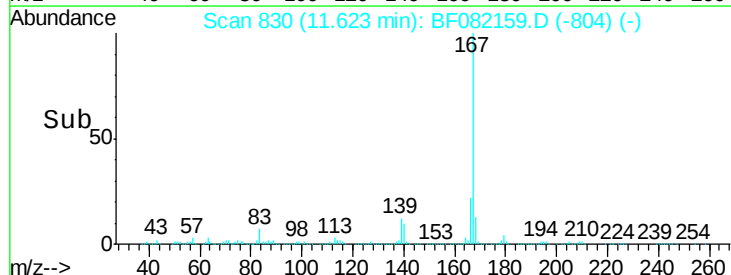


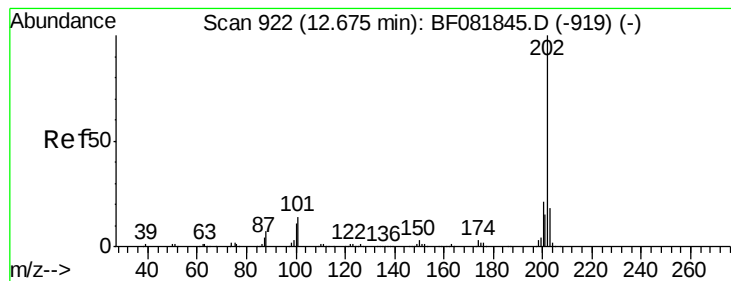
#72
 Carbazole
 Concen: 40.42 ng
 RT: 11.62 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

Tgt Ion:167 Resp: 455387
 Ion Ratio Lower Upper
 167 100
 166 22.2 15.7 23.5
 139 12.7 9.5 14.3



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: 274.88 ng

RT: 12.62 min Scan# 917

Delta R.T. 0.01 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

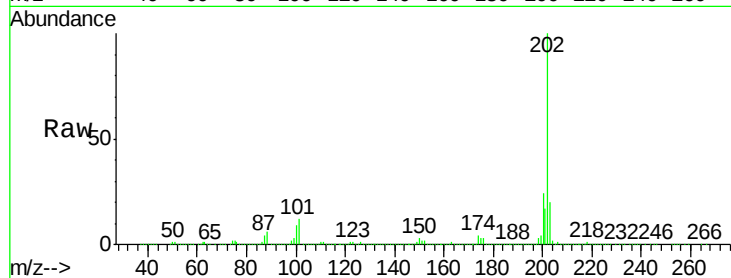
Tot Ion:202 Resp: 3606424

Ion Ratio Lower Upper

202 100

101 12.2 0.0 38.3

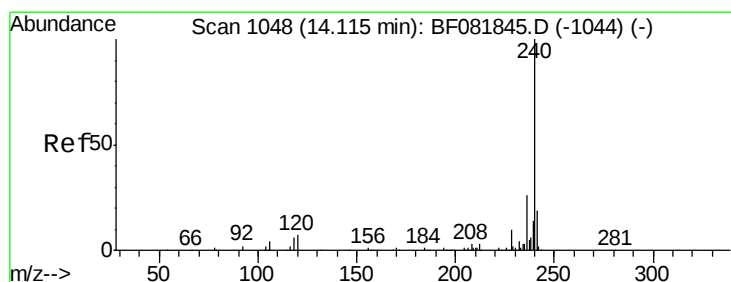
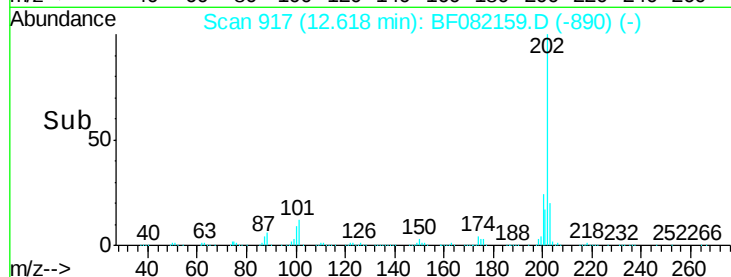
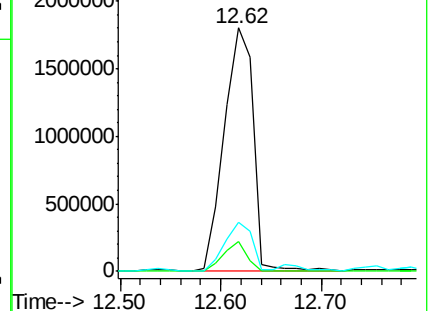
203 20.0 0.0 37.3



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: 14.05 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

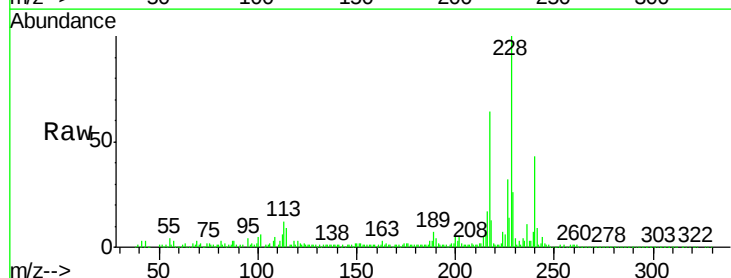
Tgt Ion:240 Resp: 177907

Ion Ratio Lower Upper

240 100

120 7.9 16.2 24.2#

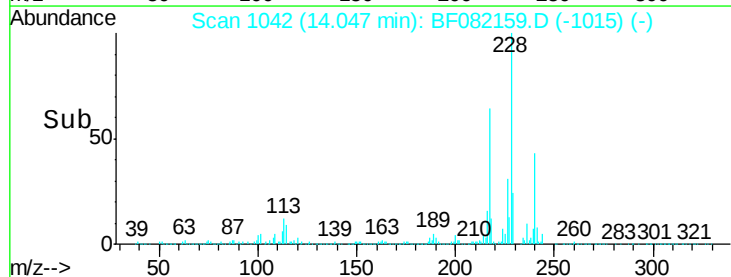
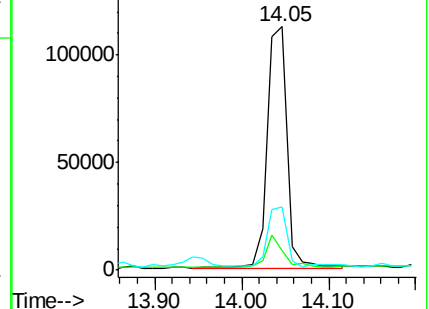
236 25.8 18.4 27.6

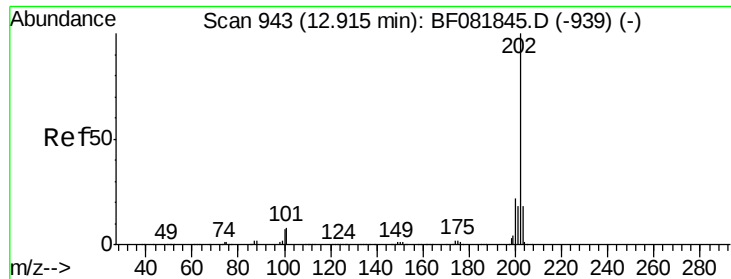


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 286.38 ng

RT: 12.85 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

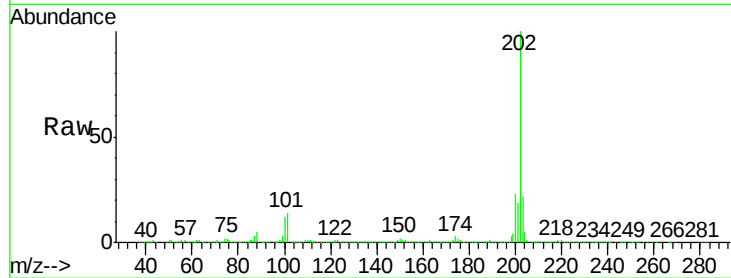
Tot Ion:202 Resp: 3043690

Ion Ratio Lower Upper

202 100

200 23.3 15.0 22.4#

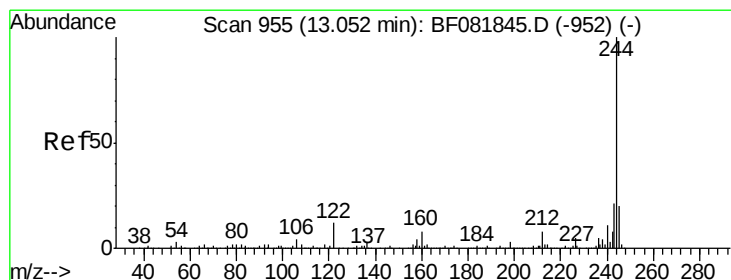
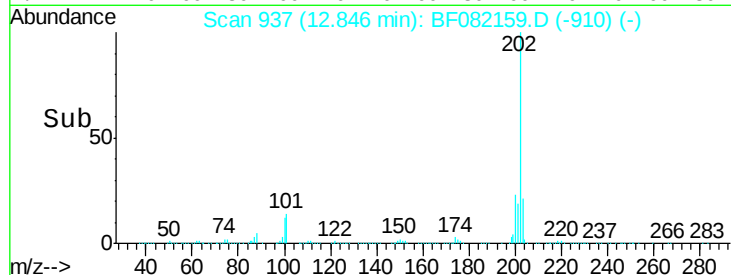
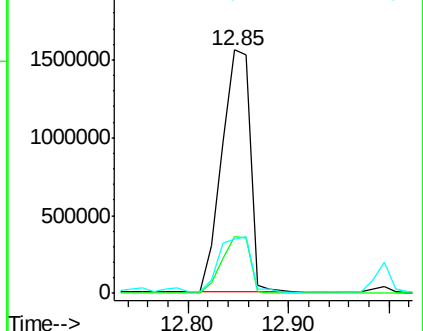
203 22.4 14.1 21.1#



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: 76.20 ng

RT: 12.97 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

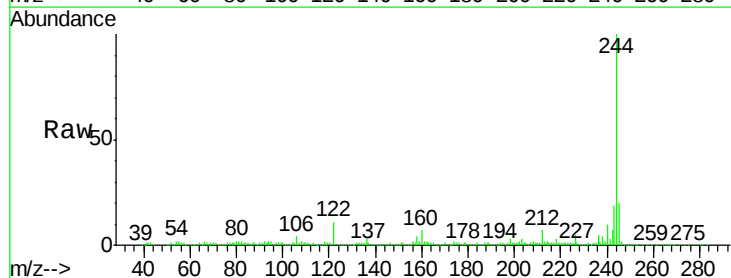
Tgt Ion:244 Resp: 431926

Ion Ratio Lower Upper

244 100

212 7.5 4.3 6.5#

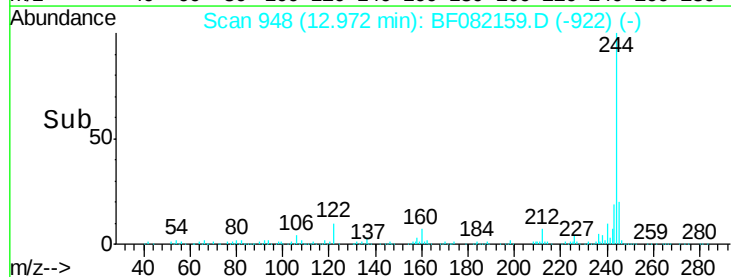
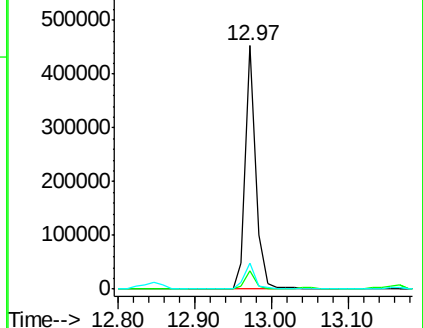
122 10.6 17.4 26.2#

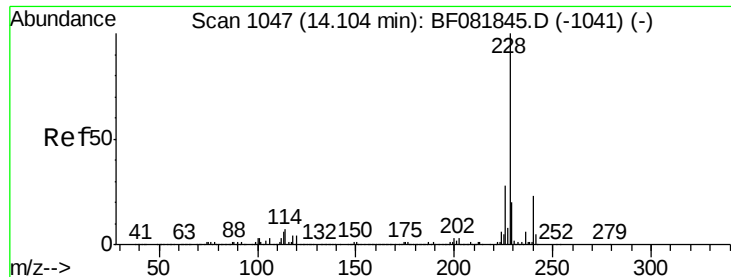


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

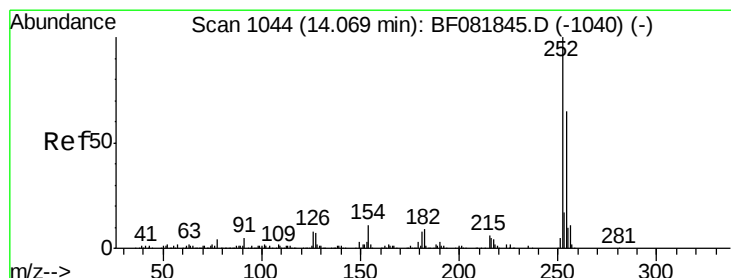
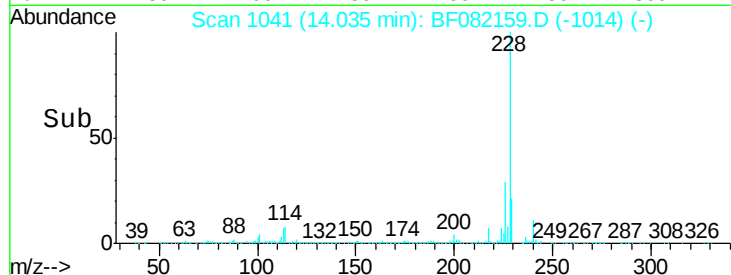
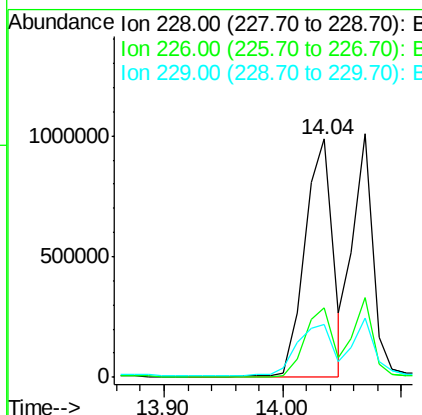
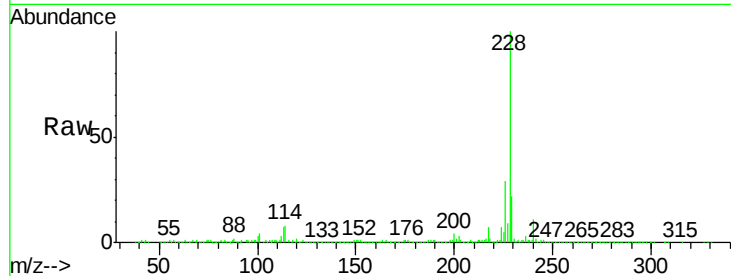




#80
Benzo(a)anthracene
Concen: 168.04 ng
RT: 14.04 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

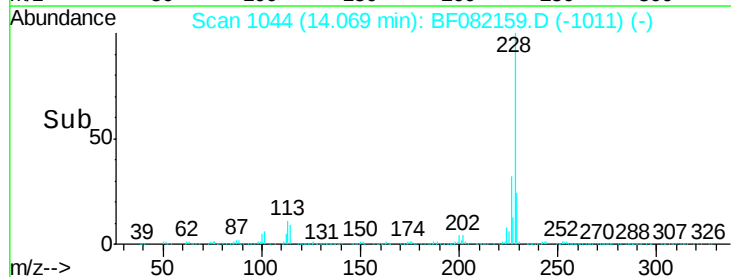
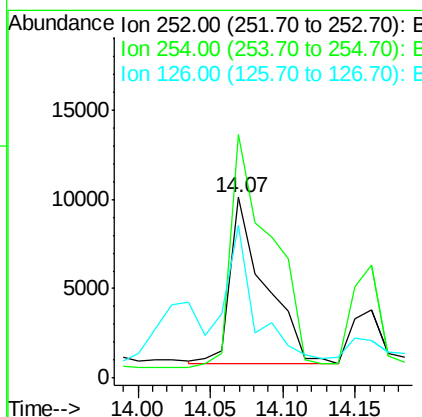
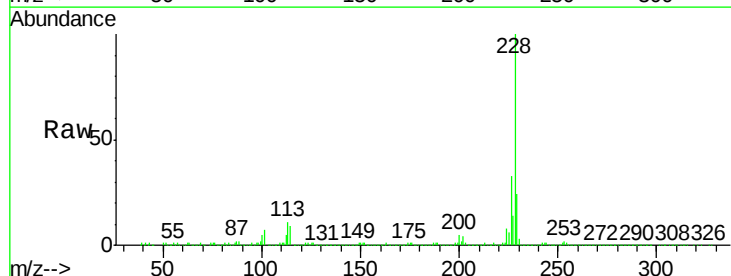
Instrument :
BNA_F
ClientSampleId :

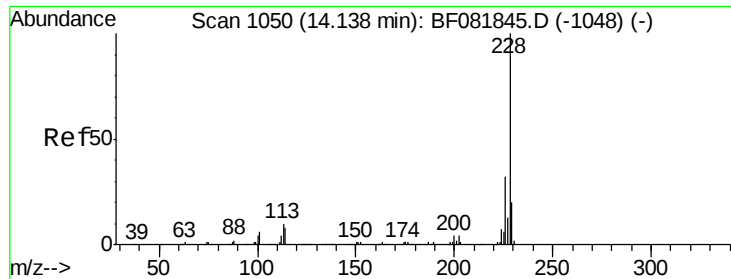
Tot Ion:228 Resp: 1609793
Ion Ratio Lower Upper
228 100
226 29.0 20.0 30.0
229 22.2 15.4 23.2



#81
3,3'-Dichlorobenzidine
Concen: 4.78 ng
RT: 14.07 min Scan# 1044
Delta R.T. 0.08 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:252 Resp: 15455
Ion Ratio Lower Upper
252 100
254 134.8 51.4 77.2#
126 84.9 16.4 24.6#

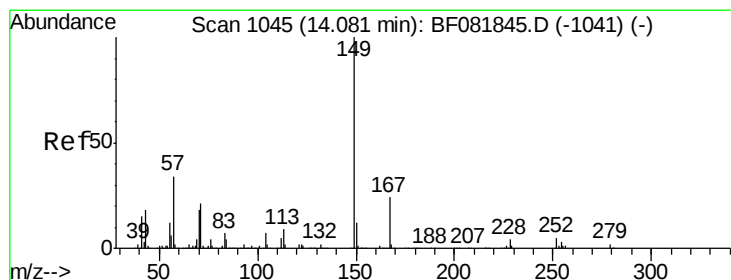
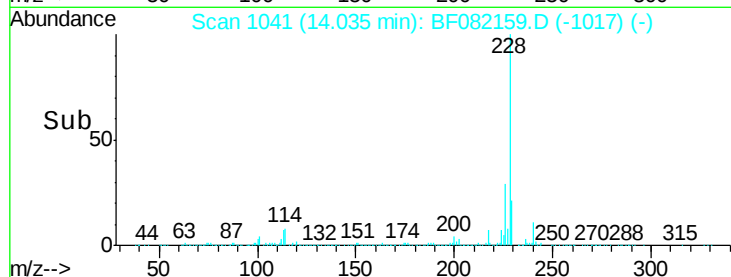
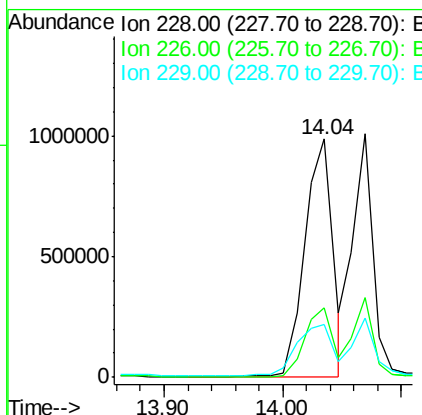
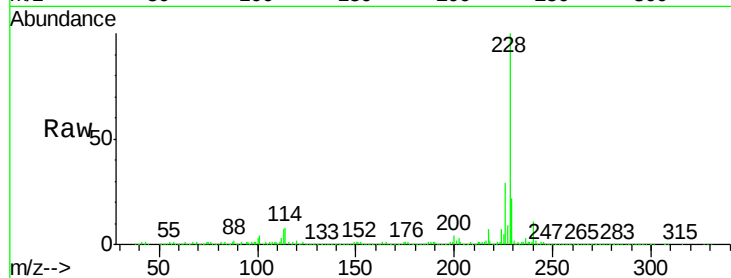




#82
 Chrvsene
 Concen: Below Cal
 RT: 14.04 min Scan# 1041
 Delta R.T. -0.02 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

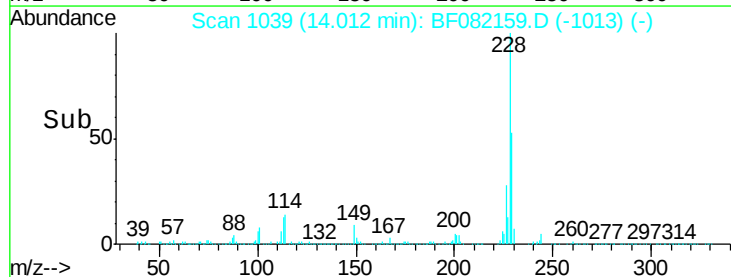
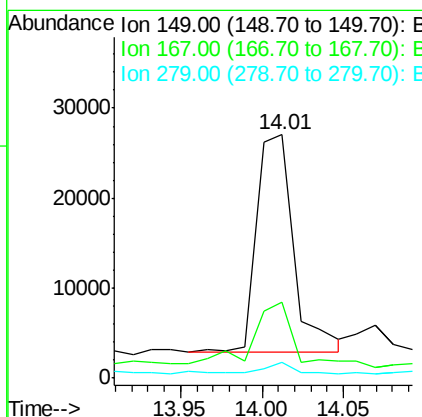
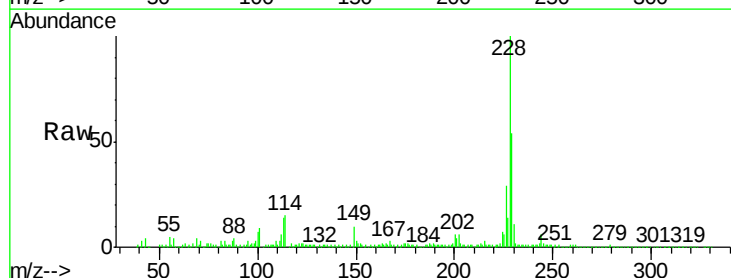
Instrument :
 BNA_F
 ClientSampleId :

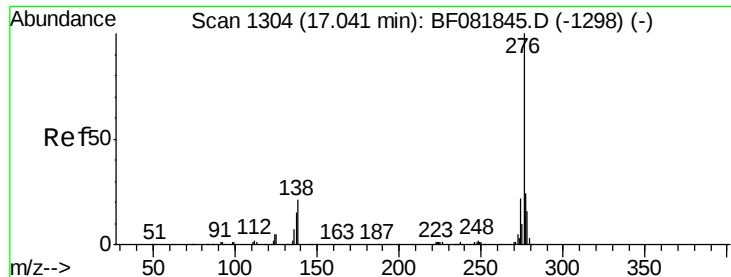
Tot Ion:228 Resp: 1609793
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.0 31.4
 229 22.2 15.6 23.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.59 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BF082159.D
 Acq: 9 Oct 2015 22:15

Tgt Ion:149 Resp: 38091
 Ion Ratio Lower Upper
 149 100
 167 31.0 24.2 36.2
 279 6.7 3.8 5.6#

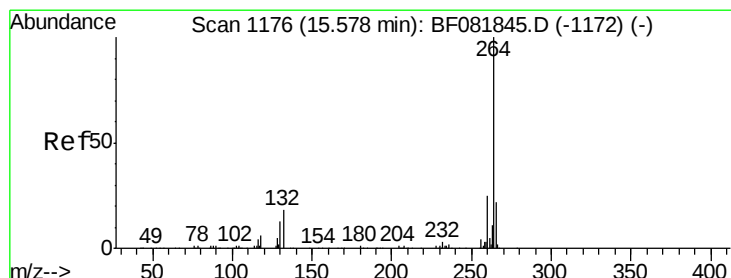
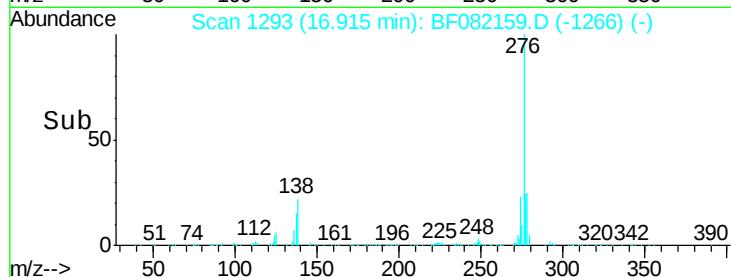
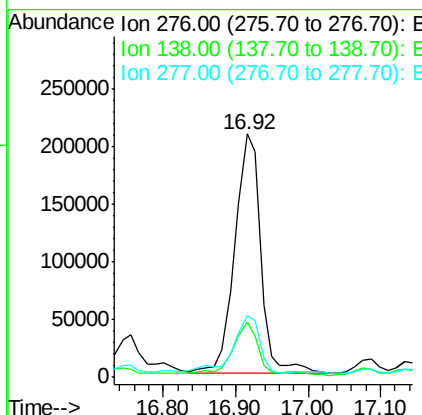
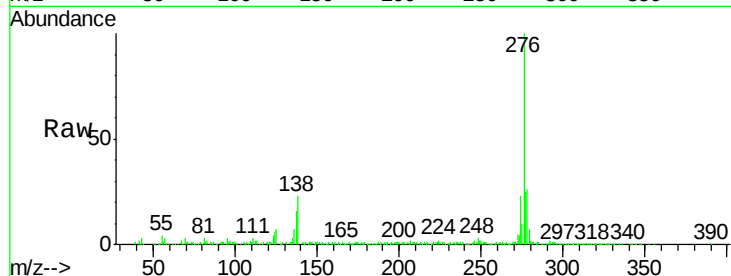




#85
Indeno(1,2,3-cd)pyrene
Concen: 69.38 ng
RT: 16.92 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

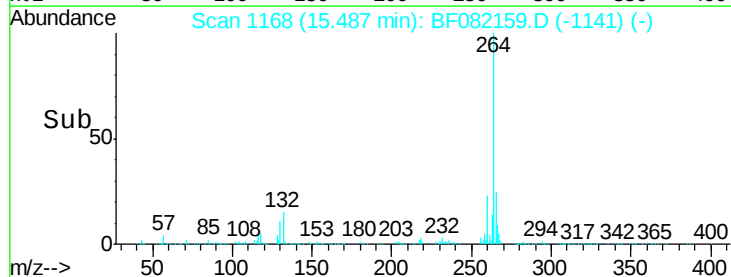
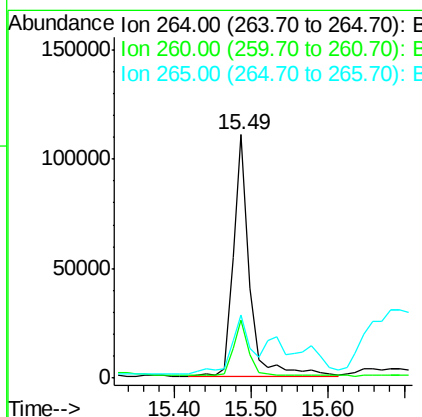
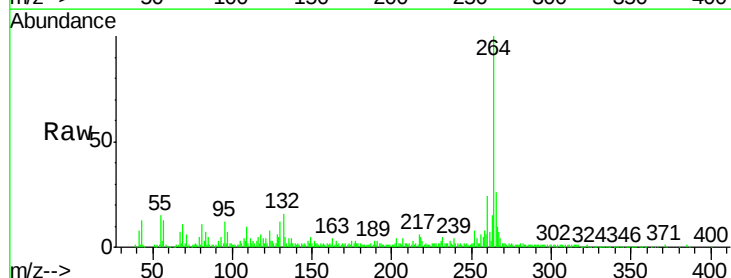
Instrument :
BNA_F
ClientSampleId :

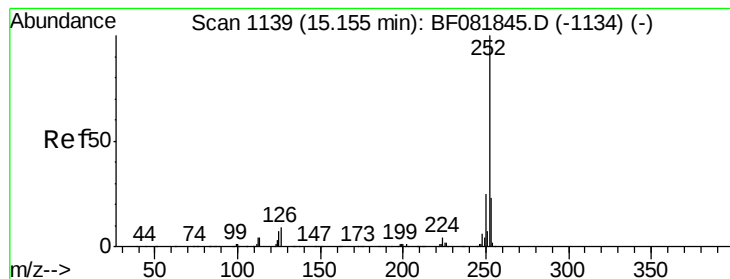
Tot Ion:276 Resp: 519960
Ion Ratio Lower Upper
276 100
138 20.4 25.7 38.5#
277 25.6 15.6 23.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF082159.D
Acq: 9 Oct 2015 22:15

Tgt Ion:264 Resp: 164323
Ion Ratio Lower Upper
264 100
260 24.0 16.7 25.1
265 25.9 17.2 25.8#





#87

Benzo(b)fluoranthene

Concen: 176.84 ng

RT: 15.08 min Scan# 1132

Delta R.T. 0.02 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

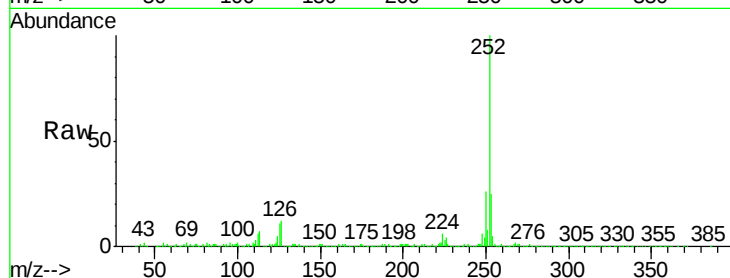
Tot Ion:252 Resp: 1659084

Ion Ratio Lower Upper

252 100

253 24.7 17.5 26.3

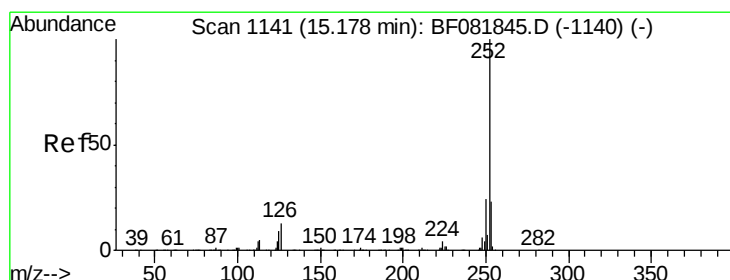
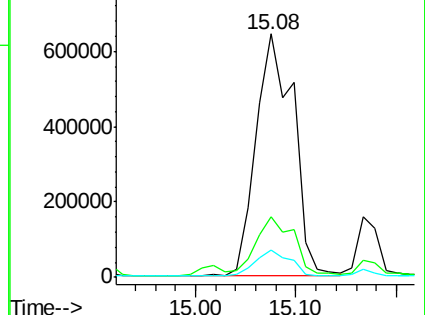
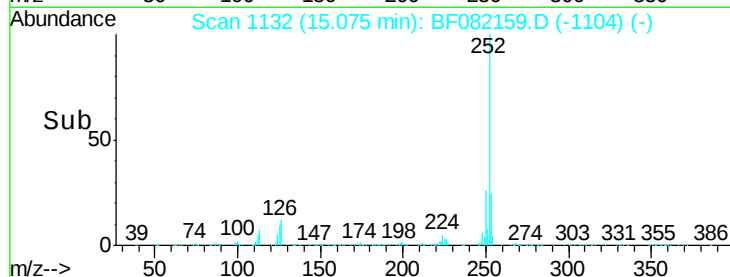
125 11.0 17.1 25.7#



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: 192.94 ng

RT: 15.08 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

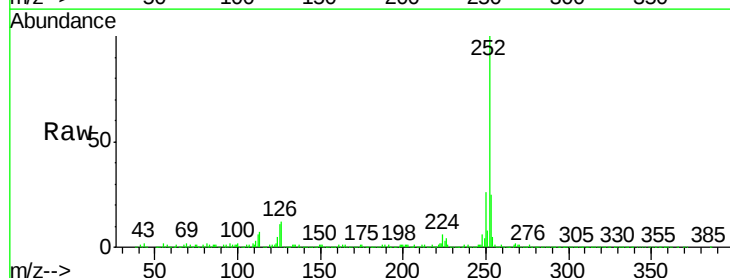
Tgt Ion:252 Resp: 1659084

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.4

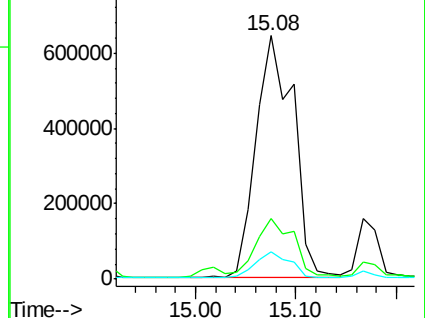
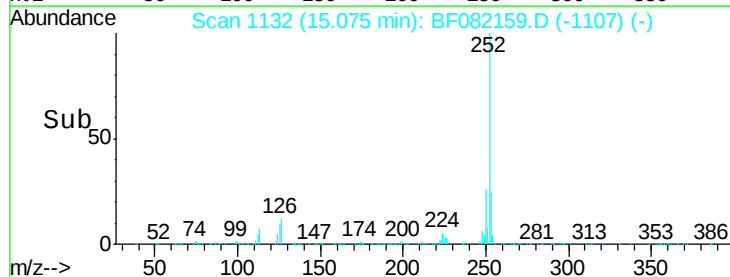
125 11.0 16.0 24.0#

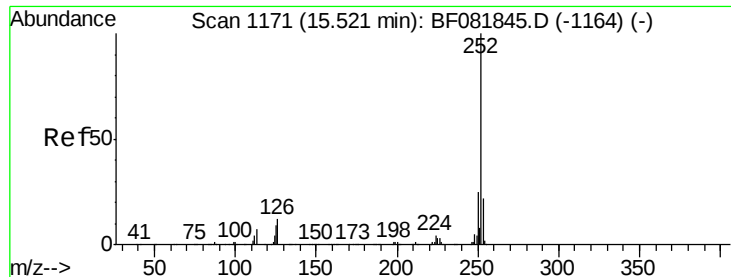


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 113.55 ng

RT: 15.43 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

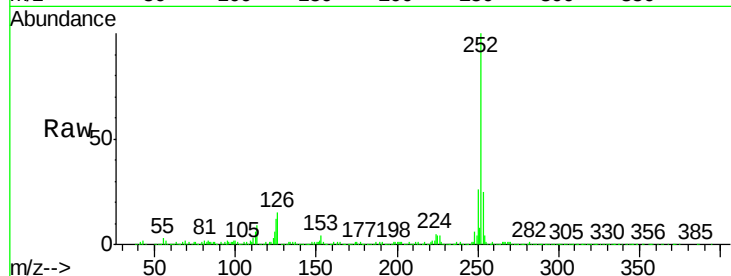
Tot Ion:252 Resp: 924097

Ion Ratio Lower Upper

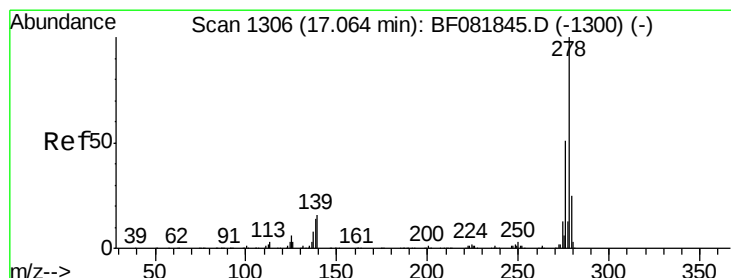
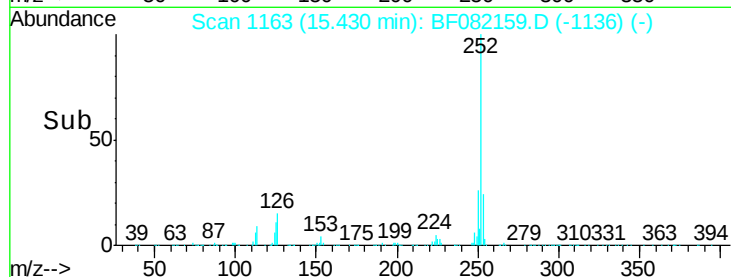
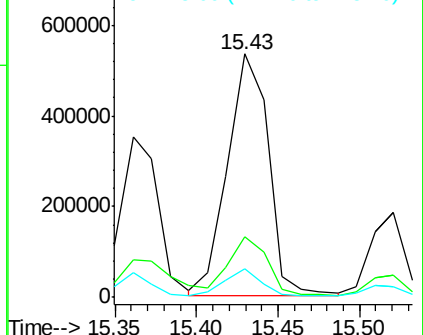
252 100

253 24.8 17.2 25.8

125 11.6 18.0 27.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 15.30 ng

RT: 16.93 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

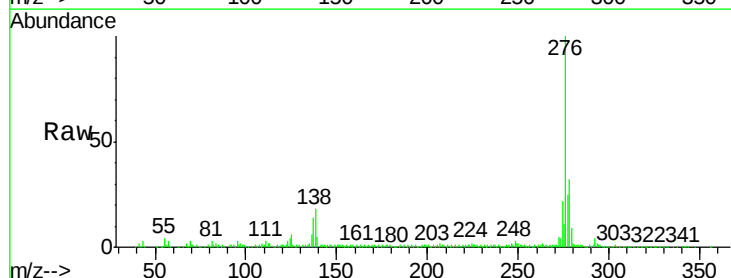
Tgt Ion:278 Resp: 104480

Ion Ratio Lower Upper

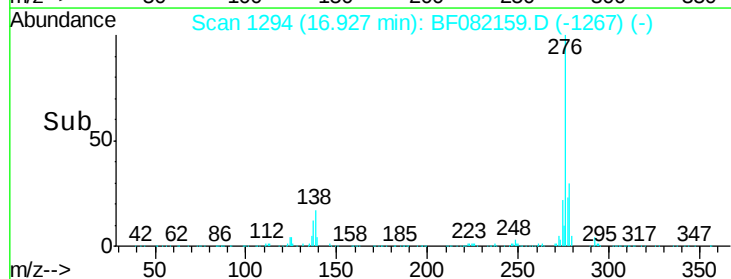
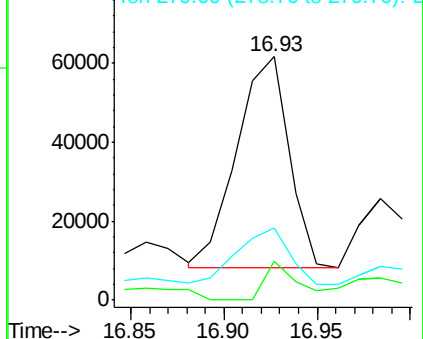
278 100

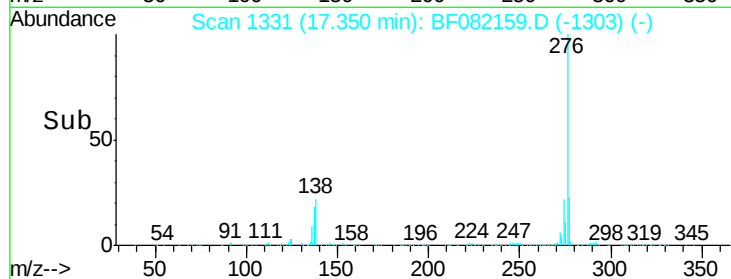
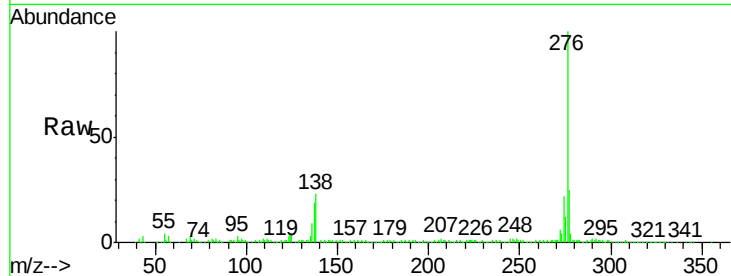
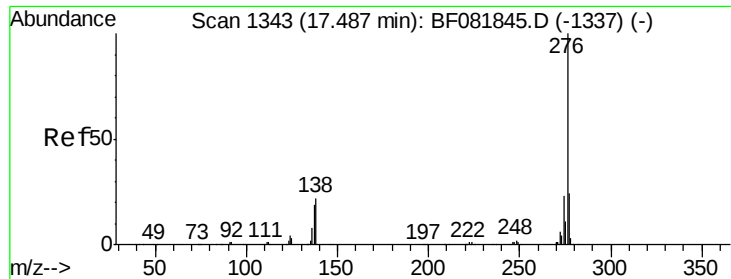
139 15.8 26.3 39.5#

279 29.4 18.2 27.4#



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(a,h,i)perylene

Concen: 68.01 ng

RT: 17.35 min Scan# 1331

Delta R.T. 0.02 min

Lab File: BF082159.D

Acq: 9 Oct 2015 22:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 475841

Ion Ratio Lower Upper

276 100

277 24.8 17.8 26.6

138 22.7 34.6 51.8#

