

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
 Data File : BF087738.D
 Acq On : 6 Jun 2016 6:20
 Operator : UM/SJ
 Sample : H3290-01RE
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GM-SP-(0-4)RE

Quant Time: Jun 06 06:47:59 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	151665	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	647927	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	254362	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	414040	20.00	ng	0.00
75) Chrysene-d12	14.02	240	295639	20.00	ng	0.00
86) Perylene-d12	15.46	264	258524	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	993341	105.86	ng	0.02
7) Phenol-d6	6.50	99	1270233	107.94	ng	0.01
23) Nitrobenzene-d5	7.43	82	739714	66.05	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	233888	91.60	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1203687	68.28	ng	-0.01
78) Terphenyl-d14	12.97	244	698531	57.65	ng	0.00

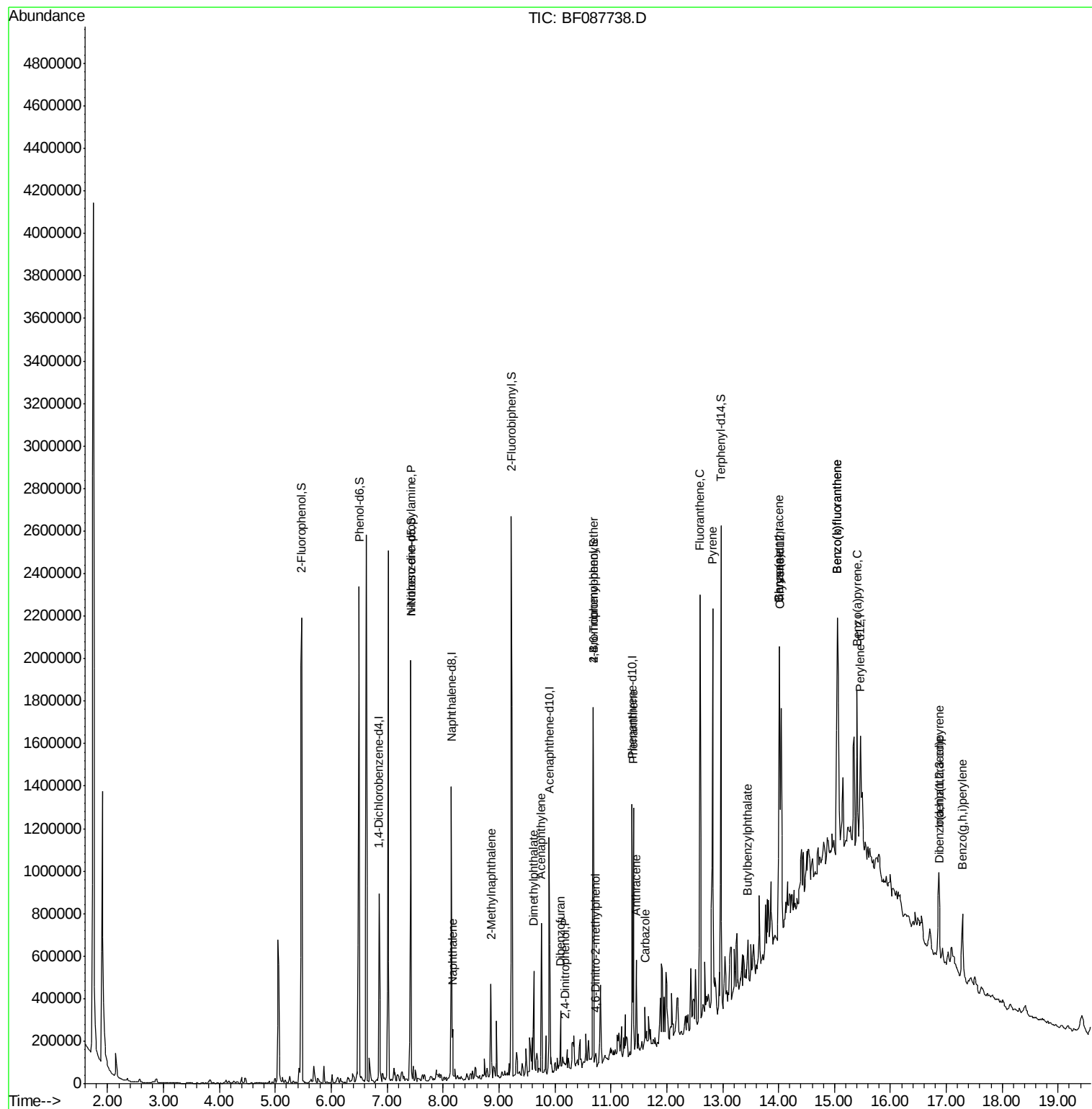
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	102616	13.96	ng	# 74
31) Naphthalene	8.17	128	134118	4.26	ng	98
37) 2-Methylnaphthalene	8.86	142	101279	4.87	ng	97
48) Acenaphthylene	9.76	152	265919	10.38	ng	99
49) Dimethylphthalate	9.62	163	200337	10.83	ng	98
53) 2,4-Dinitrophenol	10.18	184	728	4.24	ng	96
54) Dibenzofuran	10.10	168	64543	2.88	ng	# 91
60) 4-Chlorophenyl-phenylether	10.26	204	457	Below Cal		# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	1854	2.79	ng	# 17
66) 4-Bromophenyl-phenylether	10.68	248	13328	3.25	ng	# 1
70) Phenanthrene	11.40	178	397378	17.70	ng	99
71) Anthracene	11.45	178	243440	10.82	ng	98
72) Carbazole	11.61	167	74804	3.51	ng	99
74) Fluoranthene	12.59	202	969918	43.91	ng	97
77) Pyrene	12.82	202	872521	41.45	ng	99
79) Butylbenzylphthalate	13.45	149	48959	5.46	ng	97
80) Benzo(a)anthracene	14.01	228	614062	35.99	ng	# 87
82) Chrysene	14.01	228	614062	36.16	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.87	276	279904	19.94	ng	# 100
87) Benzo(b)fluoranthene	15.05	252	939190	55.85	ng	# 93
88) Benzo(k)fluoranthene	15.05	252	939190	67.12	ng	98
89) Benzo(a)pyrene	15.41	252	380518	26.92	ng	97
90) Dibenzo(a,h)anthracene	16.88	278	64569	5.37	ng	# 92
91) Benzo(g,h,i)perylene	17.29	276	251618	20.73	ng	99

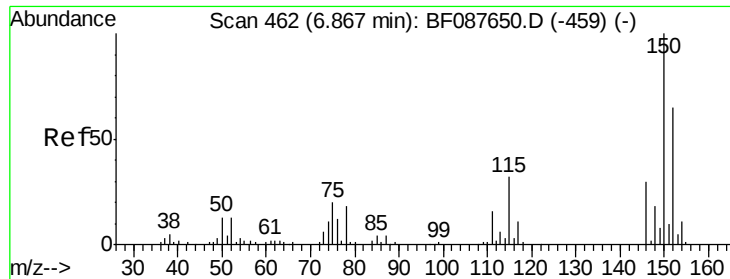
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

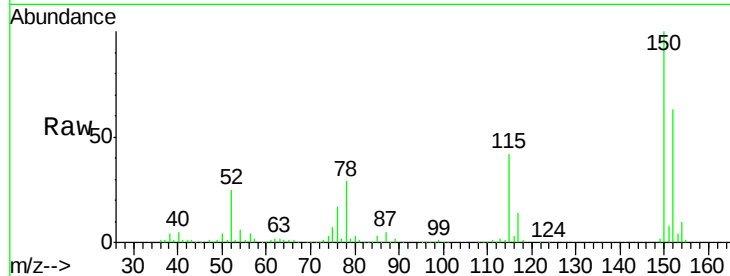
Tgt Ion:152 Resp: 151665

Ion Ratio Lower Upper

152 100

150 158.5 123.8 185.6

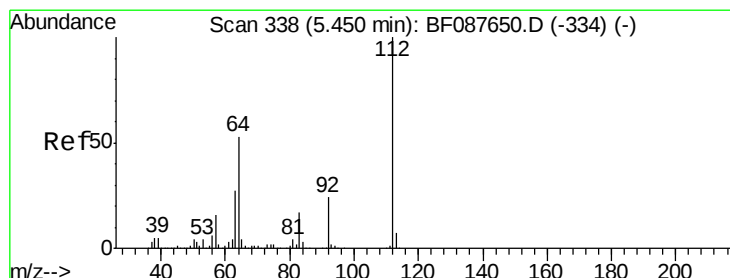
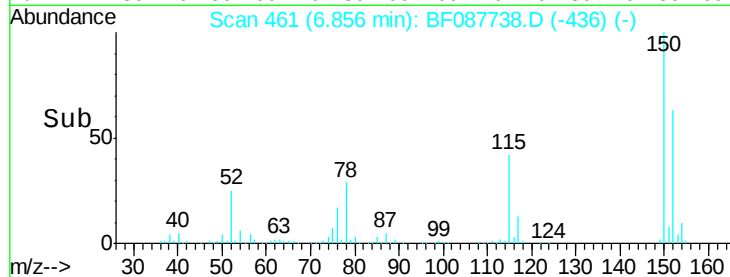
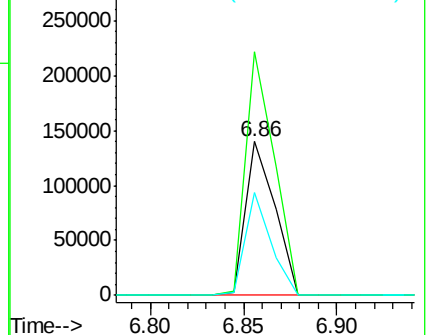
115 66.6 39.6 59.4#



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: 105.86 ng

RT: 5.47 min Scan# 340

Delta R.T. 0.02 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

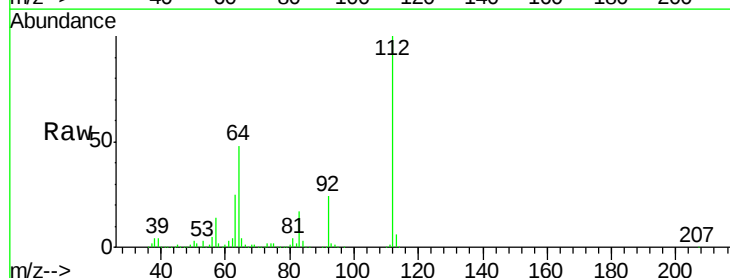
Tgt Ion:112 Resp: 993341

Ion Ratio Lower Upper

112 100

64 47.9 42.2 63.2

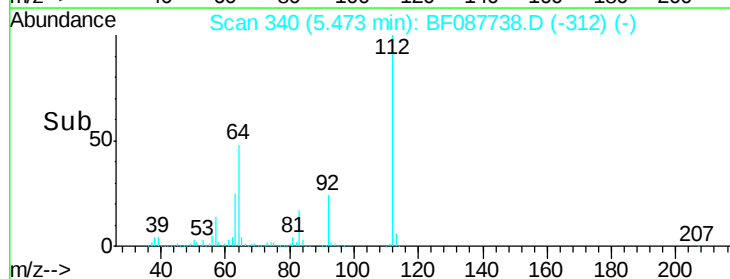
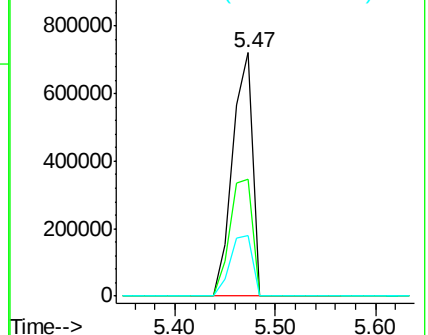
63 24.9 21.8 32.8

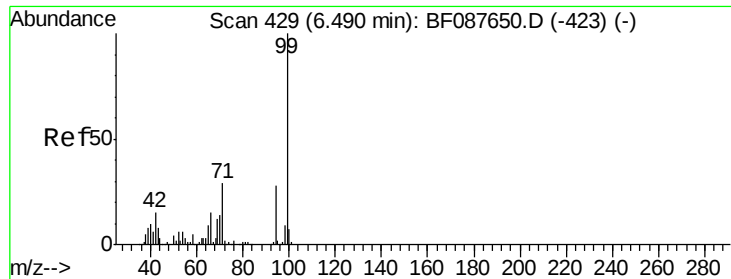


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.94 ng

RT: 6.50 min Scan# 430

Delta R.T. 0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

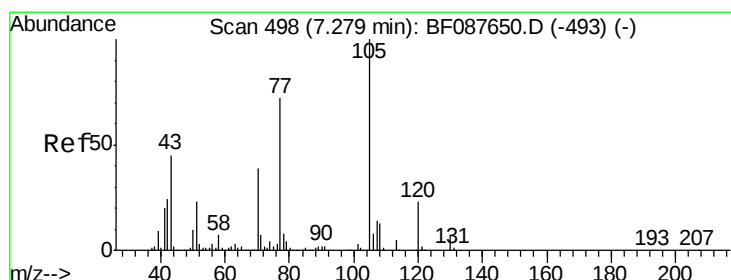
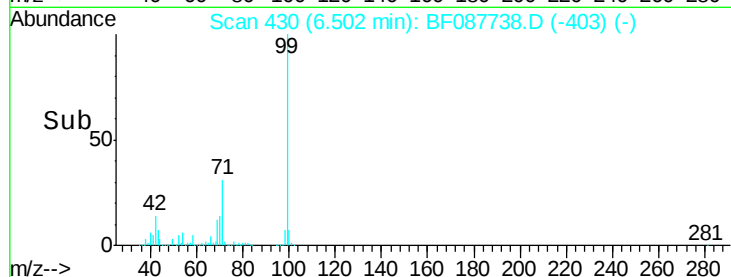
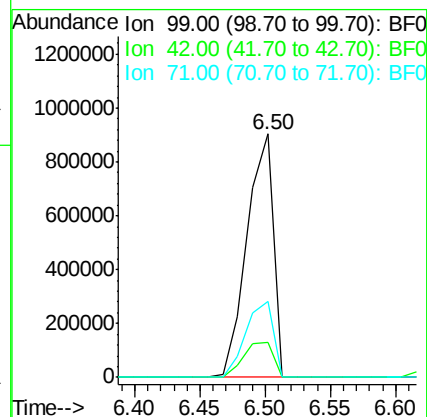
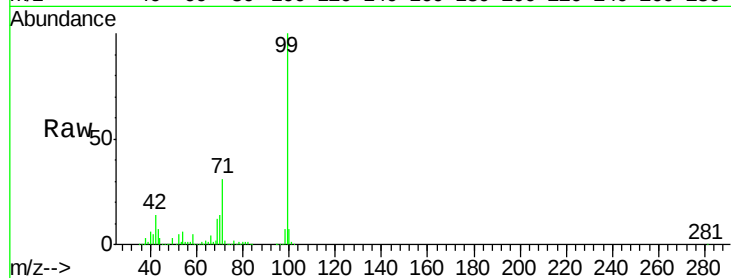
Tgt Ion: 99 Resp: 1270233

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

71 31.4 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.96 ng

RT: 7.43 min Scan# 511

Delta R.T. 0.15 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Tgt Ion: 70 Resp: 102616

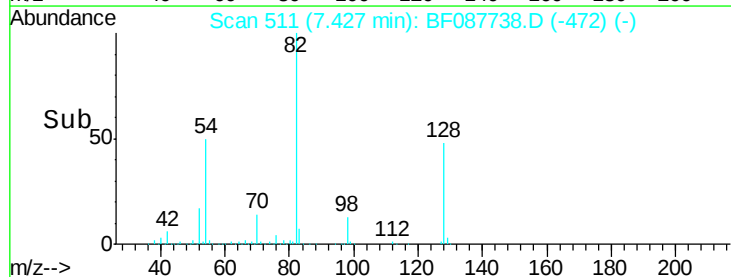
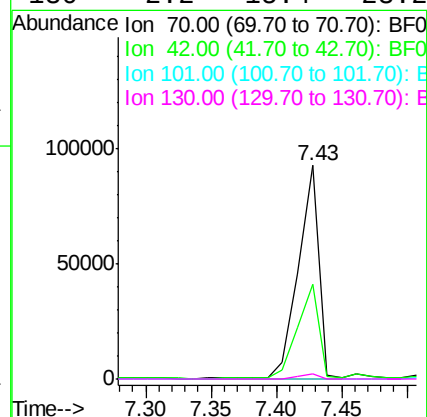
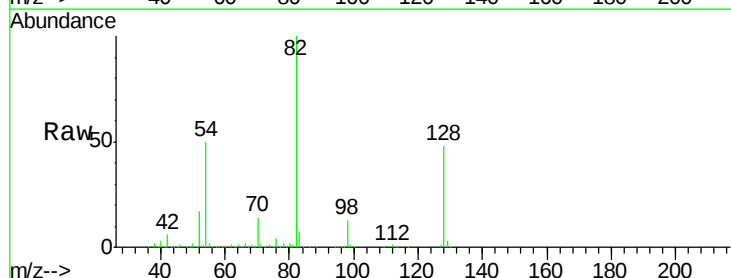
Ion Ratio Lower Upper

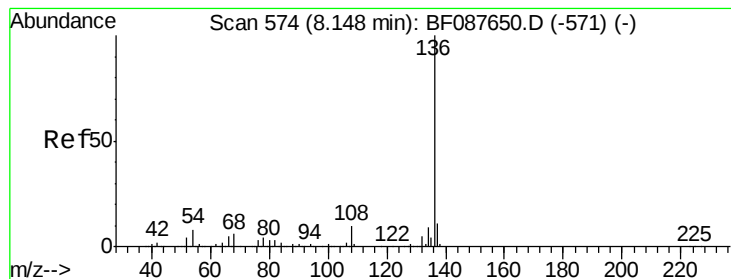
70 100

42 44.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

Tgt Ion:136 Resp: 647927

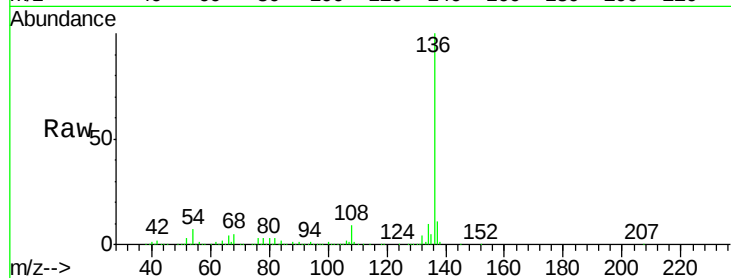
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.6 6.6 10.0#

68 5.4 5.1 7.7

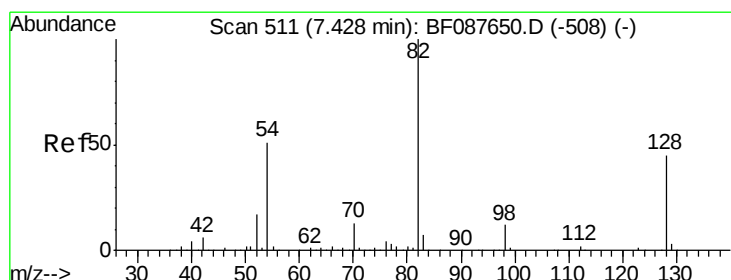
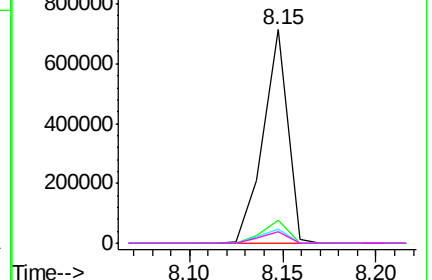
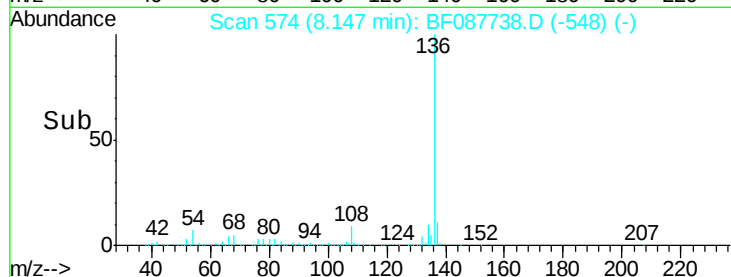


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.05 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

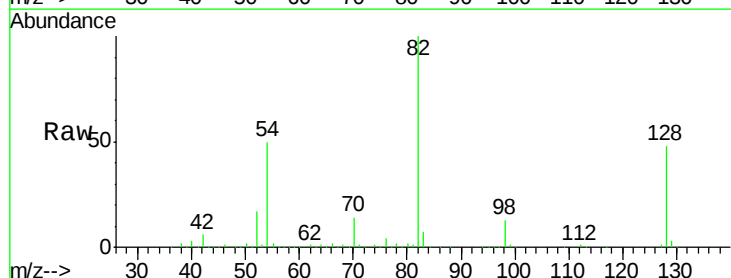
Tgt Ion: 82 Resp: 739714

Ion Ratio Lower Upper

82 100

128 47.9 35.9 53.9

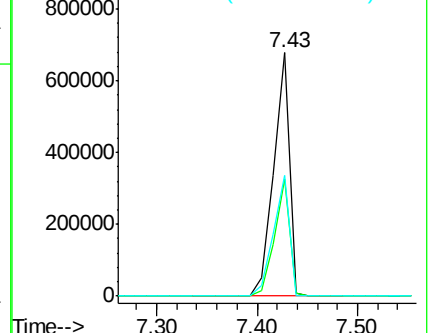
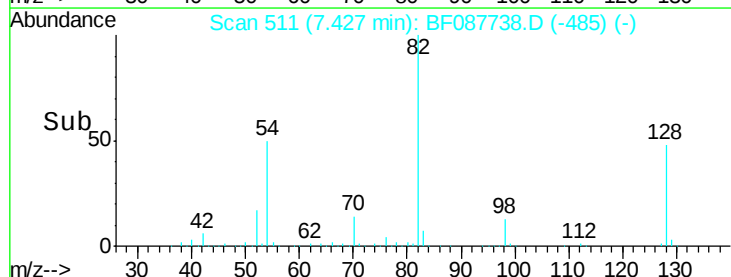
54 49.7 40.9 61.3

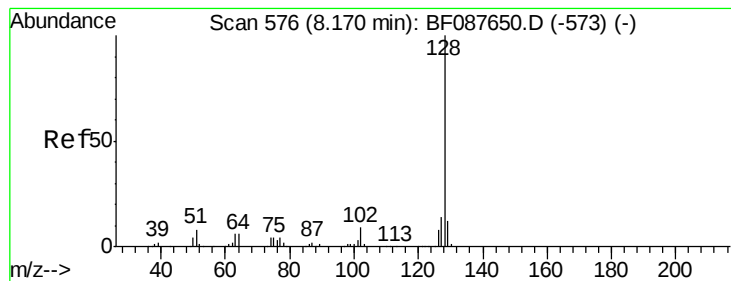


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 4.26 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

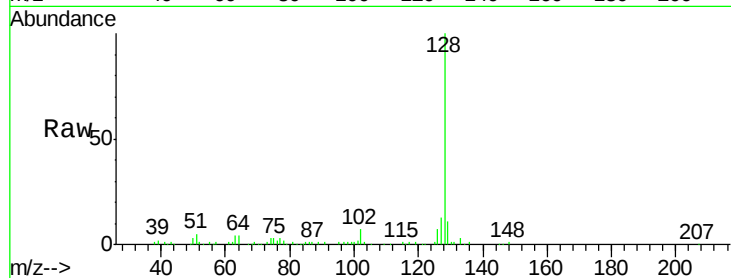
Tgt Ion:128 Resp: 134118

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.2

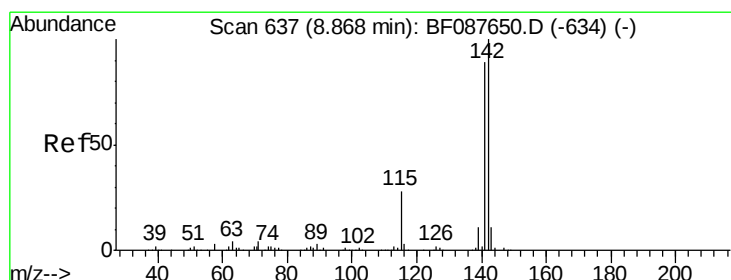
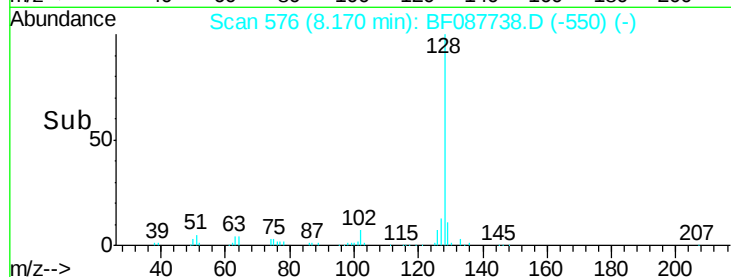
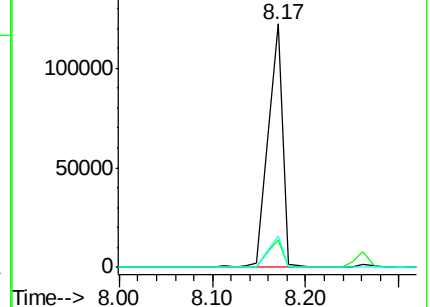
127 12.7 10.9 16.3



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



#37

2-Methylnaphthalene

Concen: 4.87 ng

RT: 8.86 min Scan# 636

Delta R.T. -0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

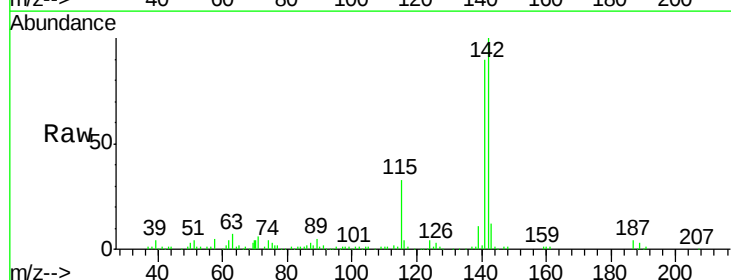
Tgt Ion:142 Resp: 101279

Ion Ratio Lower Upper

142 100

141 89.6 71.0 106.6

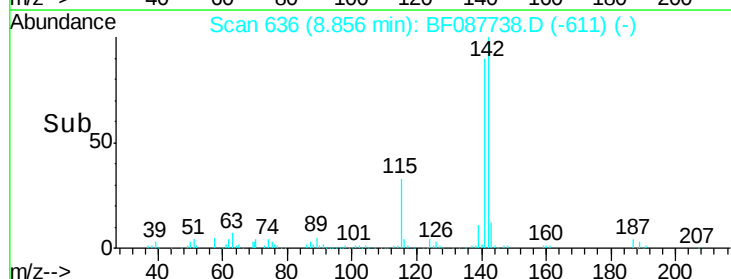
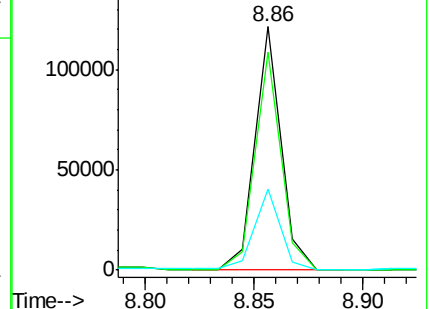
115 33.3 22.6 33.8

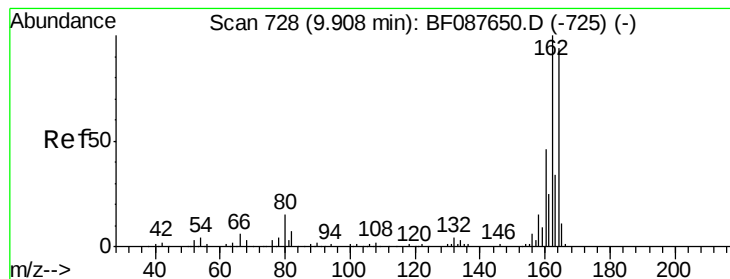


Abundance Ion 142.00 (141.70 to 142.70): E

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# 727

Delta R.T. -0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

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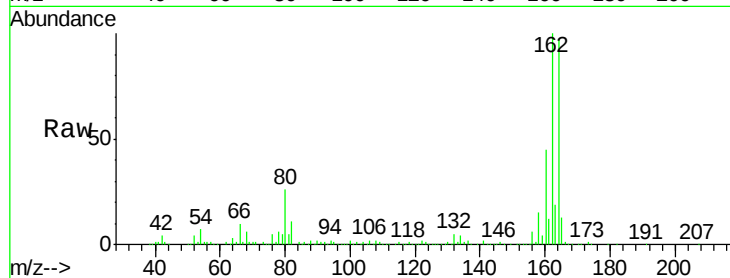
Tgt Ion:164 Resp: 254362

Ion Ratio Lower Upper

164 100

162 103.5 85.4 128.2

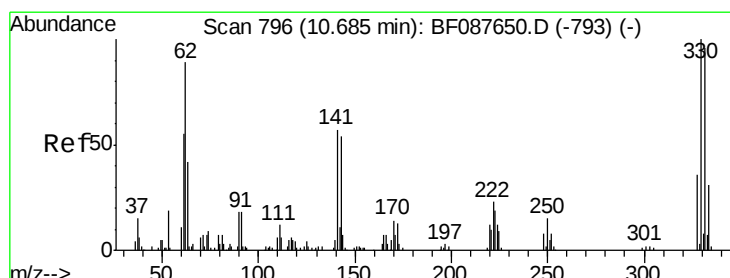
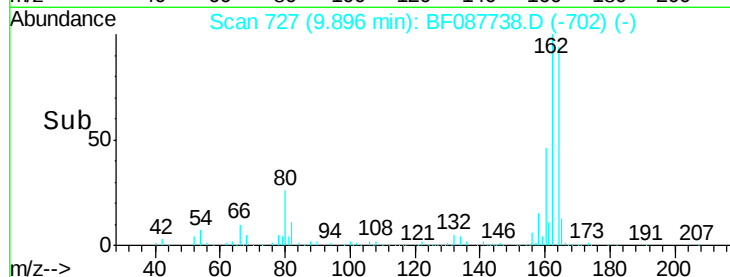
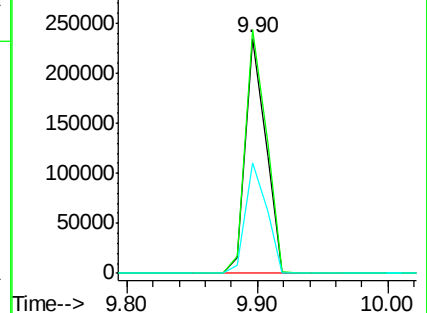
160 46.9 39.5 59.3



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: 91.60 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

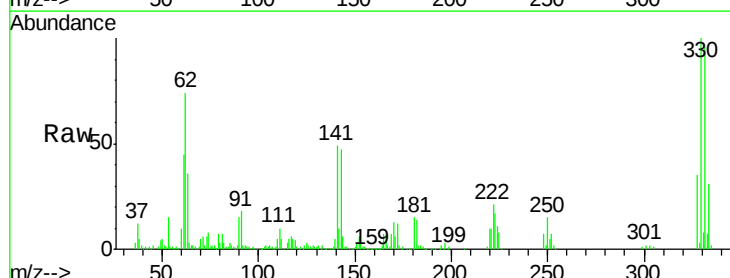
Tgt Ion:330 Resp: 233888

Ion Ratio Lower Upper

330 100

332 96.6 0.0 0.0#

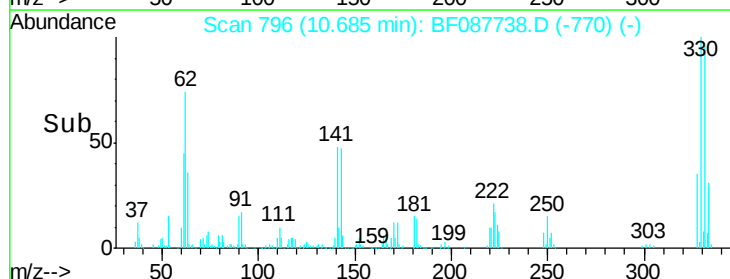
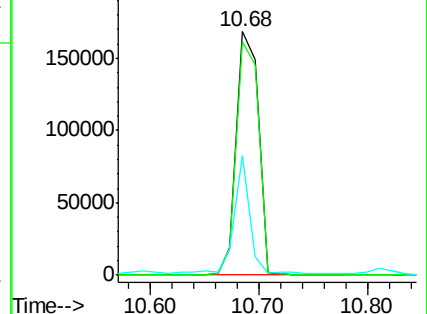
141 35.1 0.0 0.0#

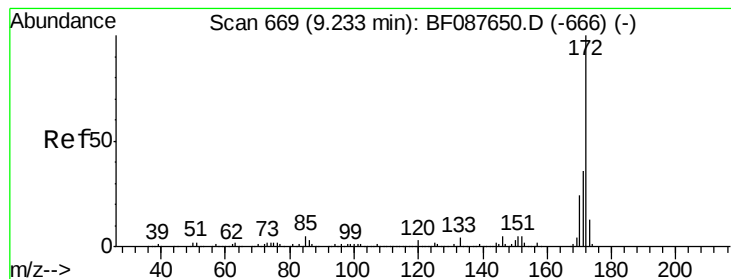


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

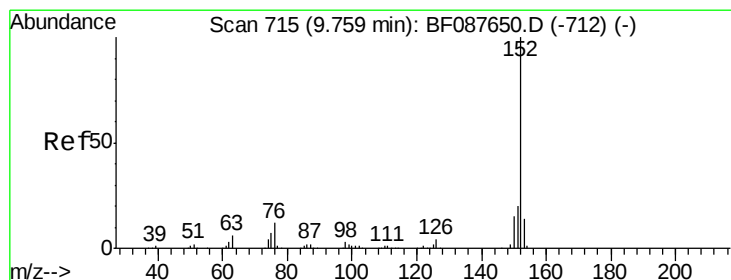
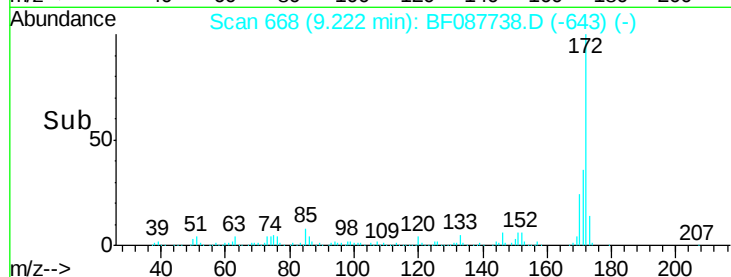
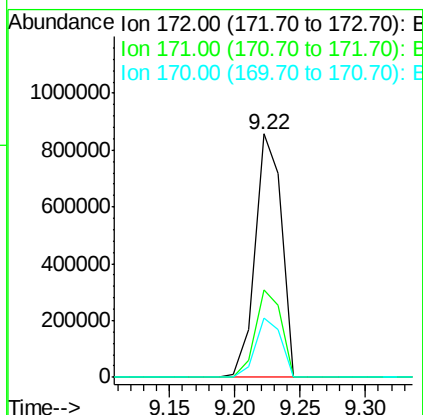
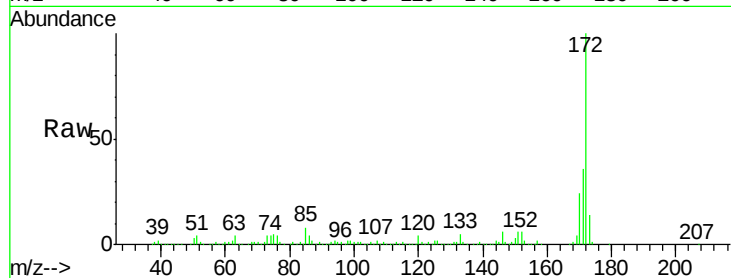




#44
2-Fluorobiphenyl
Concen: 68.28 ng
RT: 9.22 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

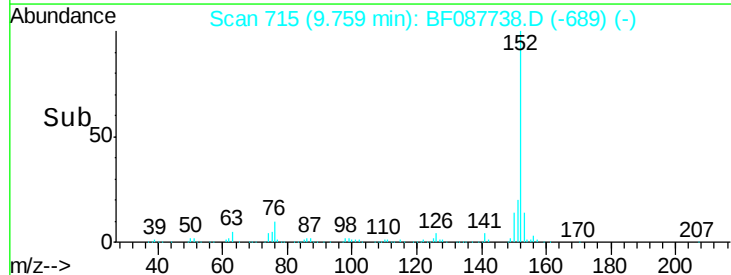
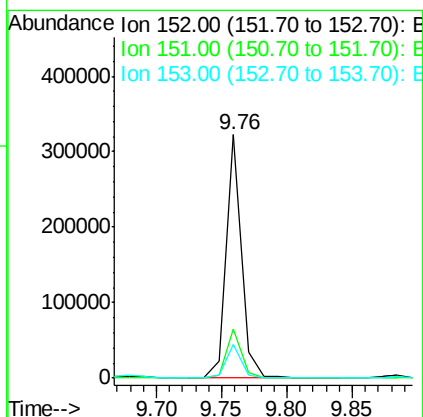
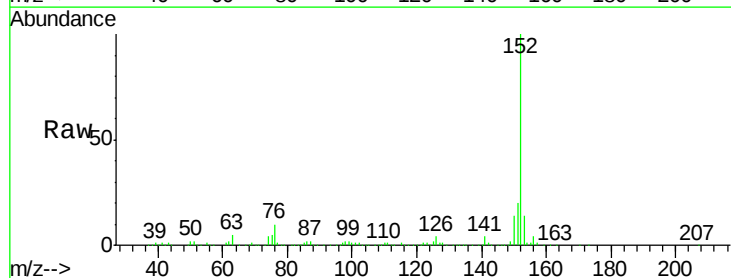
Instrument :
BNA_F
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GM-SP-(0-4)RE

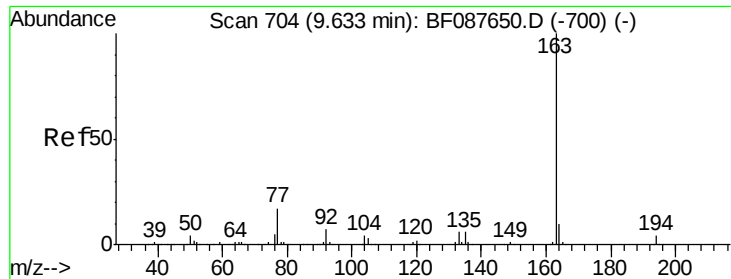
Tgt Ion:172 Resp: 1203687
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.2 19.2 28.8



#48
Acenaphthylene
Concen: 10.38 ng
RT: 9.76 min Scan# 715
Delta R.T. 0.00 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Tgt Ion:152 Resp: 265919
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.4
153 13.6 11.0 16.6

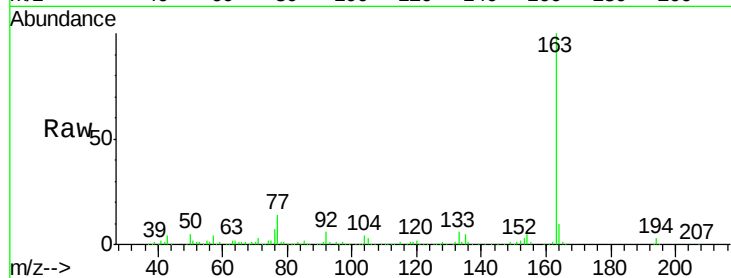




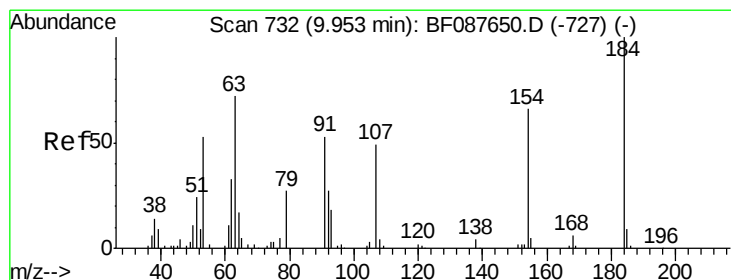
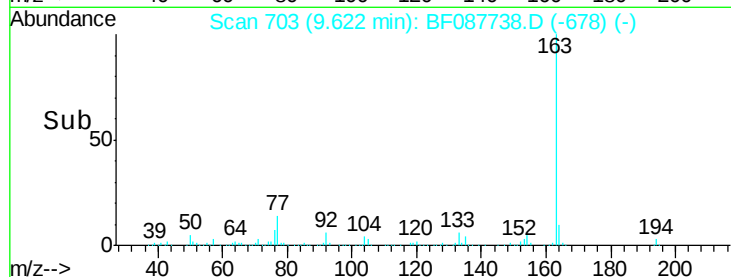
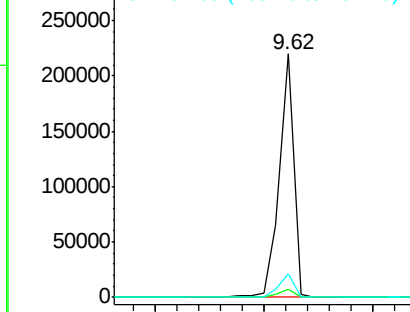
#49
Dimethylphthalate
Concen: 10.83 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Instrument :
BNA_F
ClientSampleId :
GM-SP-(0-4)RE

Tgt Ion:163 Resp: 200337
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 9.6 8.3 12.5

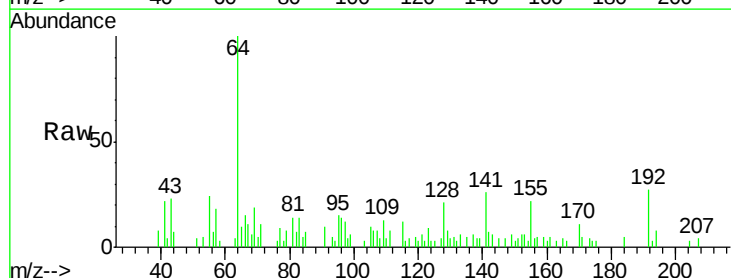


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

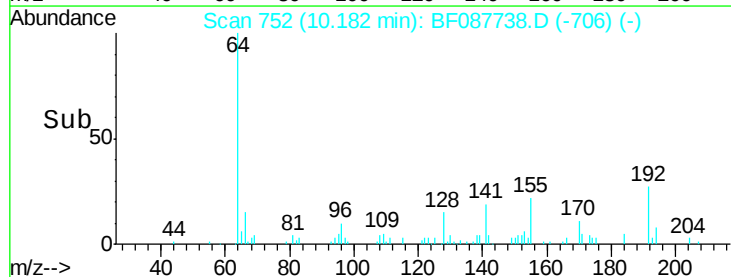
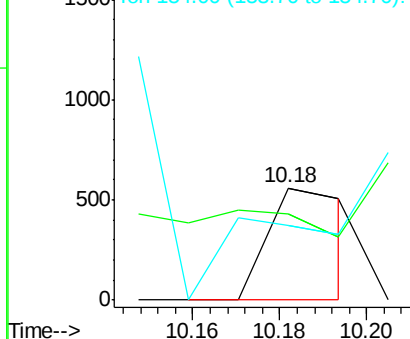


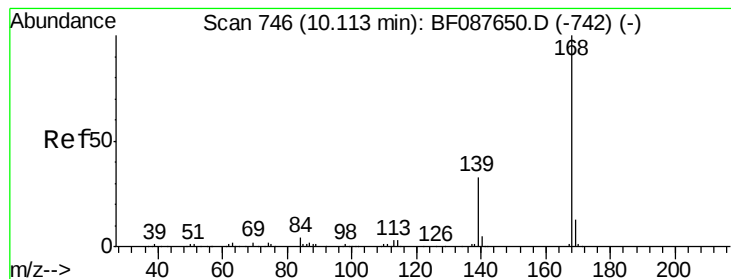
#53
2,4-Dinitrophenol
Concen: 4.24 ng
RT: 10.18 min Scan# 752
Delta R.T. 0.23 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Tgt Ion:184 Resp: 728
Ion Ratio Lower Upper
184 100
63 77.4 57.6 86.4
154 66.7 53.5 80.3



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 2.88 ng

RT: 10.10 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

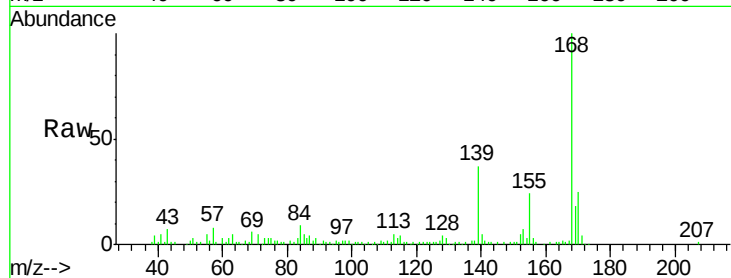
Tgt Ion:168 Resp: 64543

Ion Ratio Lower Upper

168 100

139 37.0 26.4 39.6

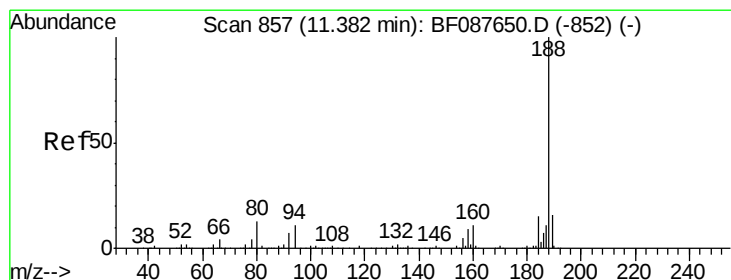
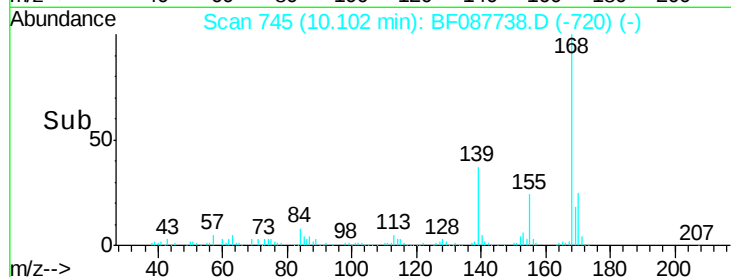
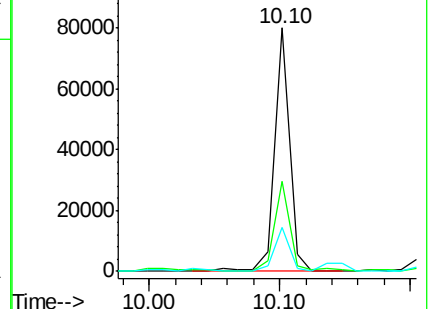
169 17.9 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

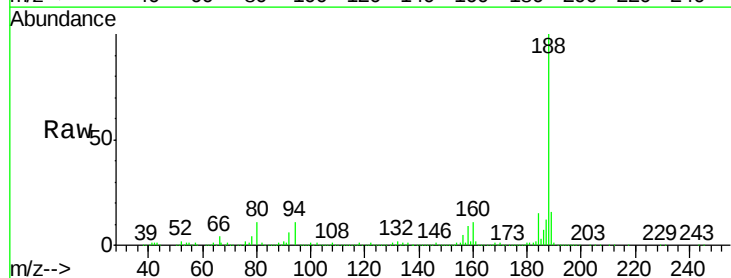
Tgt Ion:188 Resp: 414040

Ion Ratio Lower Upper

188 100

94 10.6 9.0 13.6

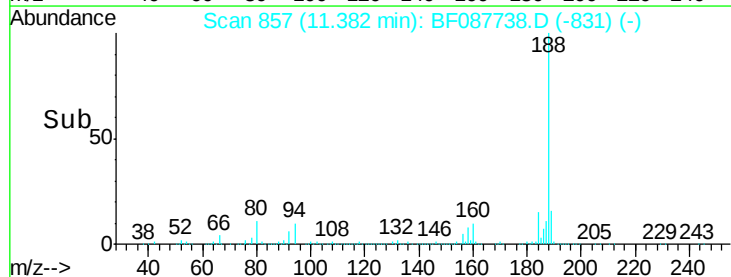
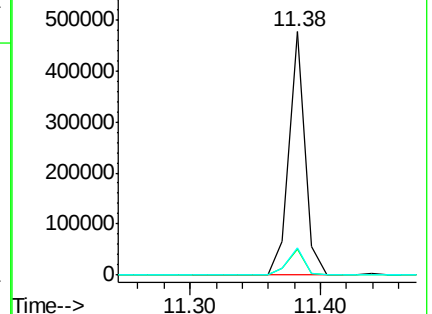
80 11.2 10.0 15.0

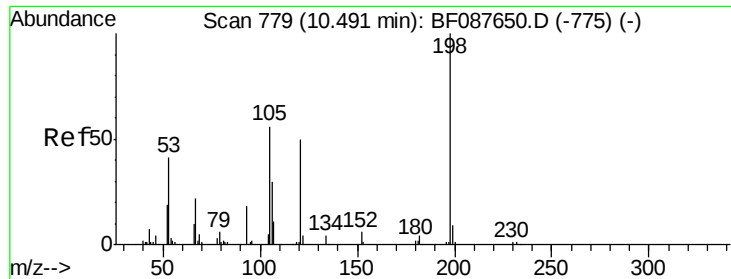


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

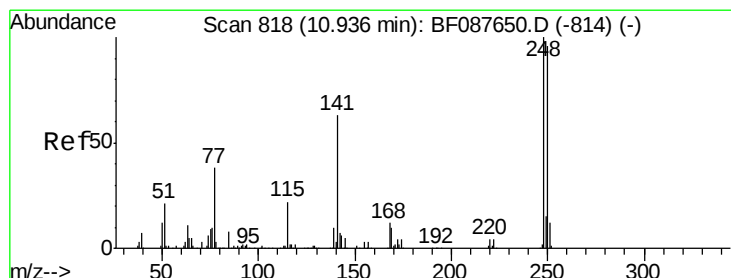
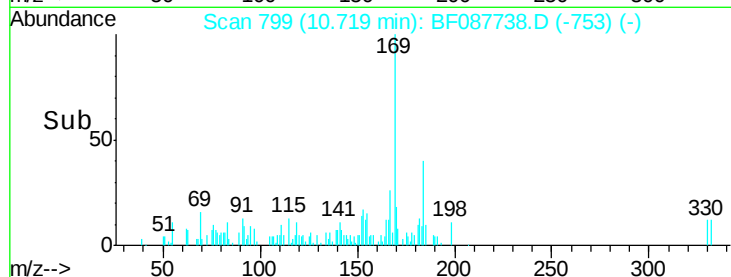
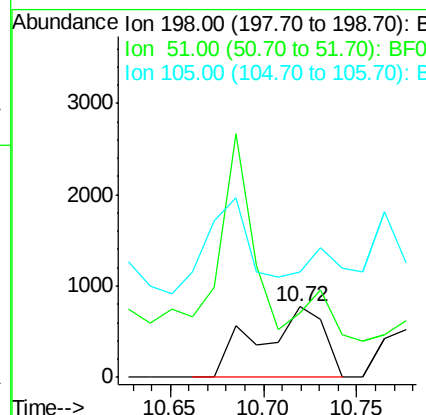
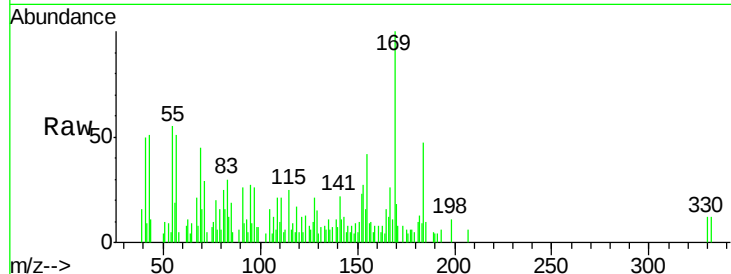




#64
4,6-Dinitro-2-methylphenol
Concen: 2.79 ng
RT: 10.72 min Scan# 799
Delta R.T. 0.23 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

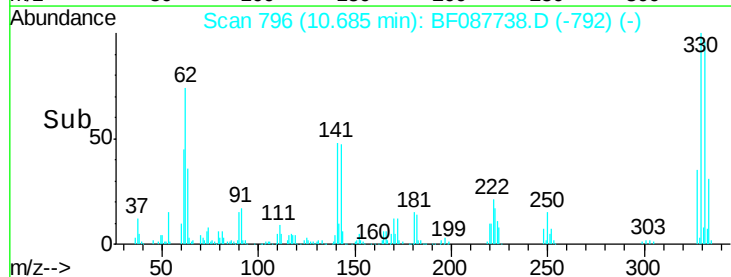
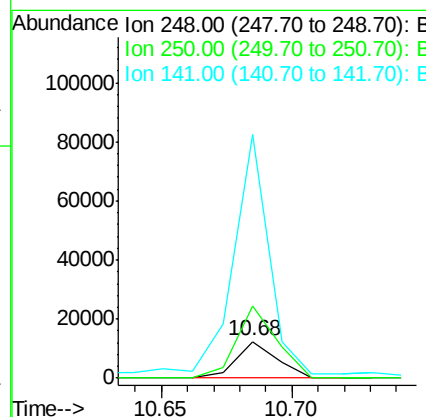
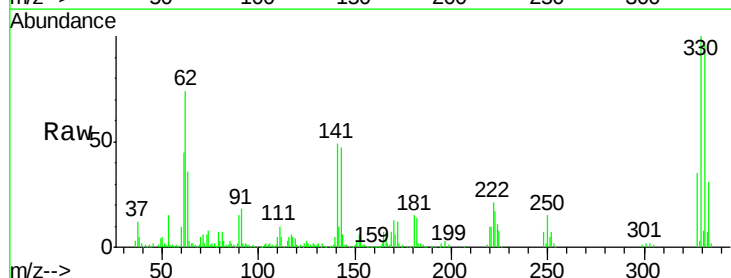
Instrument :
BNA_F
ClientSampleId :
GM-SP-(0-4)RE

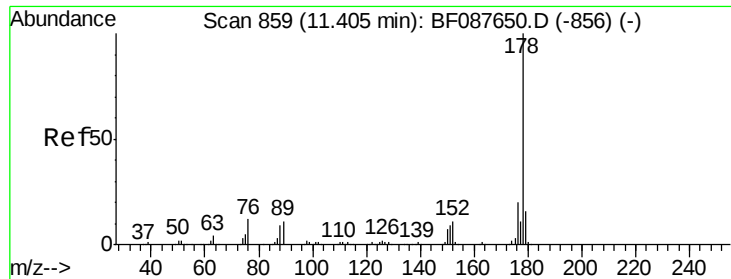
Tgt Ion:198 Resp: 1854
Ion Ratio Lower Upper
198 100
51 91.2 39.6 79.6#
105 149.9 36.6 76.6#



#66
4-Bromophenyl-phenylether
Concen: 3.25 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.25 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Tgt Ion:248 Resp: 13328
Ion Ratio Lower Upper
248 100
250 196.9 77.1 115.7#
141 661.0 50.6 76.0#





#70

Phenanthrene

Concen: 17.70 ng

RT: 11.40 min Scan# 859

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

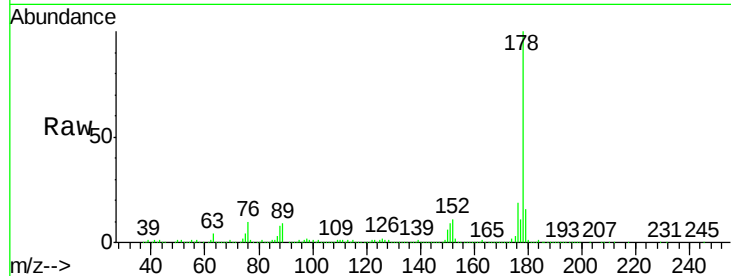
Tgt Ion:178 Resp: 397378

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.6

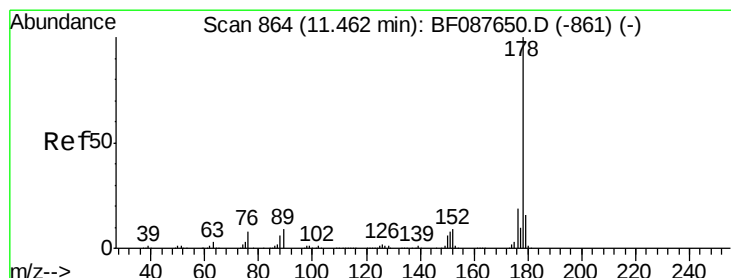
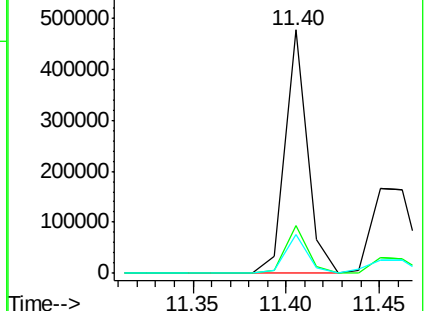
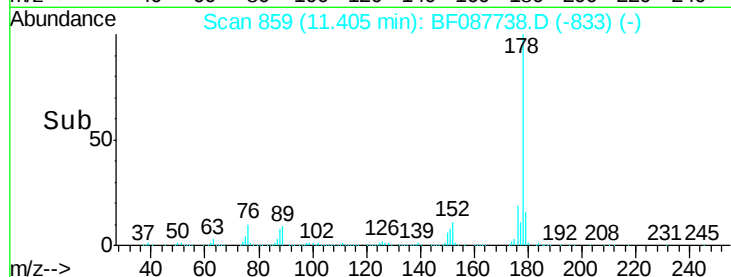
179 15.9 13.0 19.4



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: 10.82 ng

RT: 11.45 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

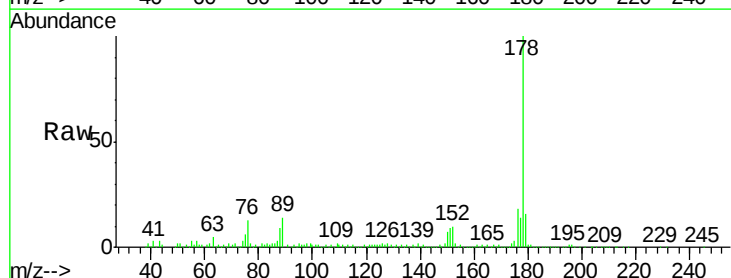
Tgt Ion:178 Resp: 243440

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

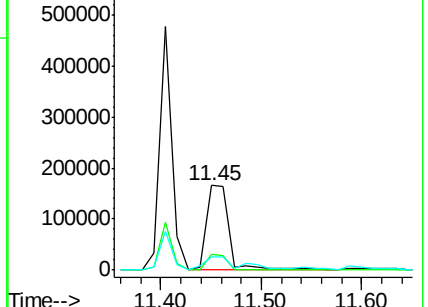
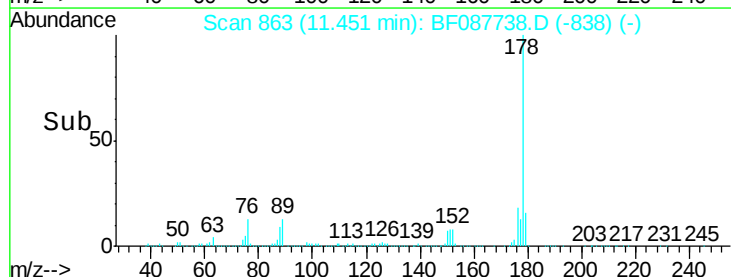
179 16.4 12.8 19.2

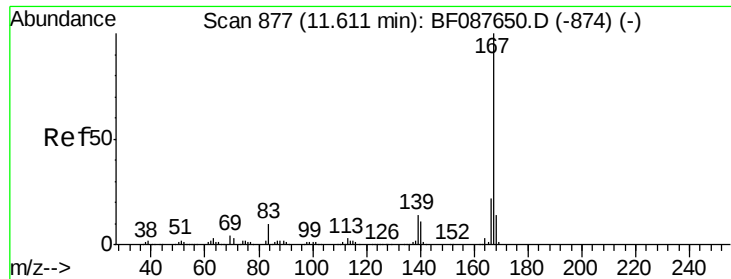


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.51 ng

RT: 11.61 min Scan# 877

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

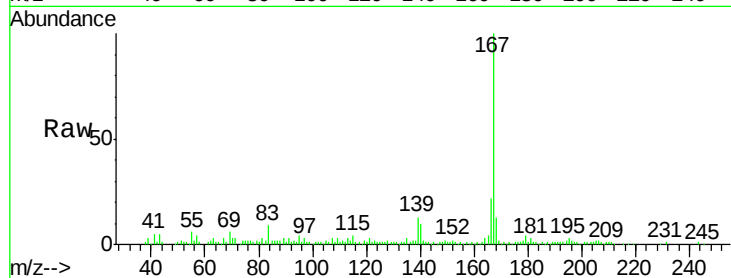
Tgt Ion:167 Resp: 74804

Ion Ratio Lower Upper

167 100

166 22.1 17.8 26.6

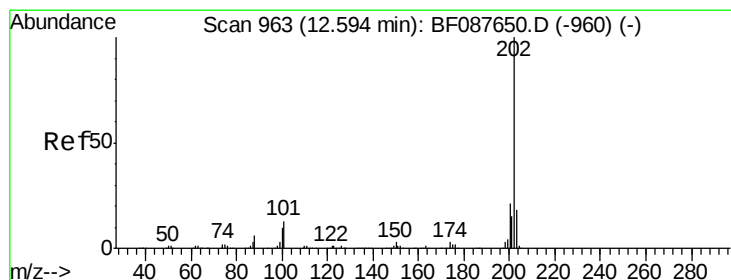
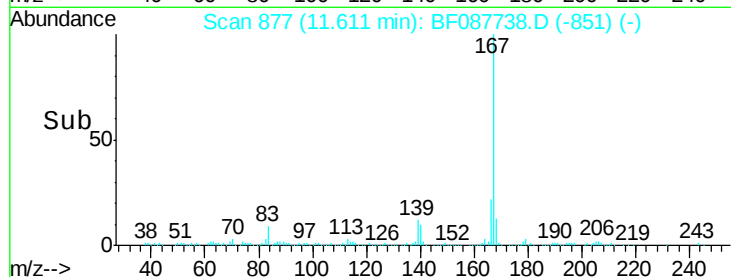
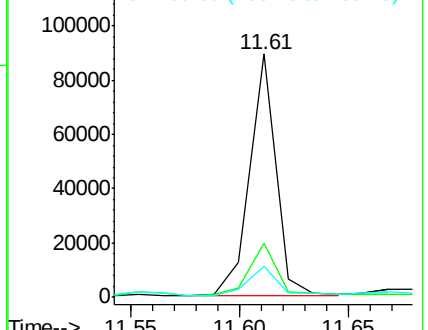
139 12.6 11.2 16.8



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: 43.91 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

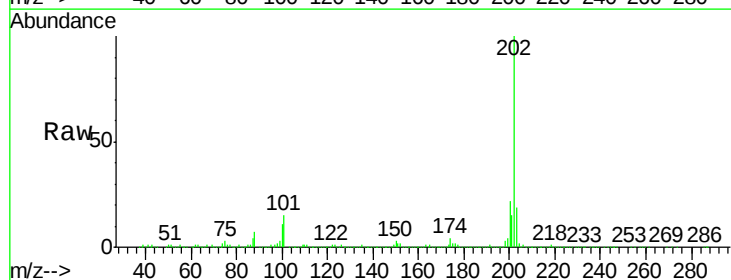
Tgt Ion:202 Resp: 969918

Ion Ratio Lower Upper

202 100

101 15.2 0.0 33.1

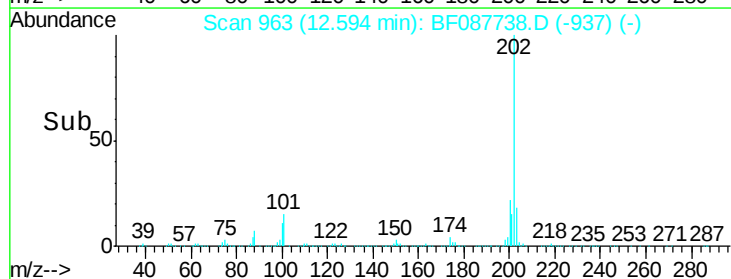
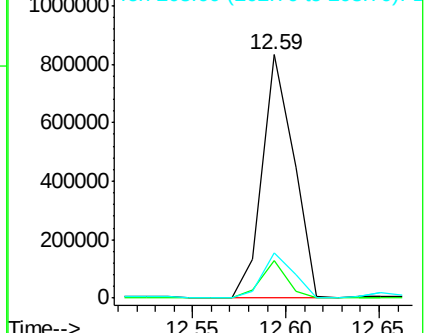
203 18.6 0.0 38.1

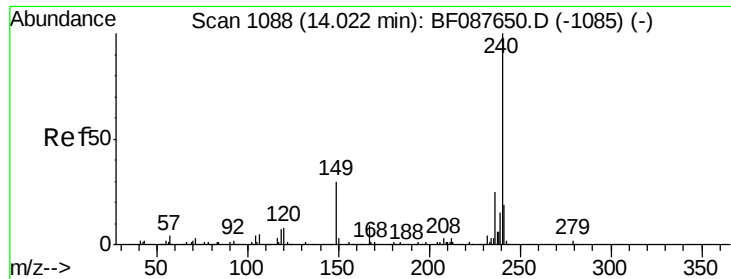


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

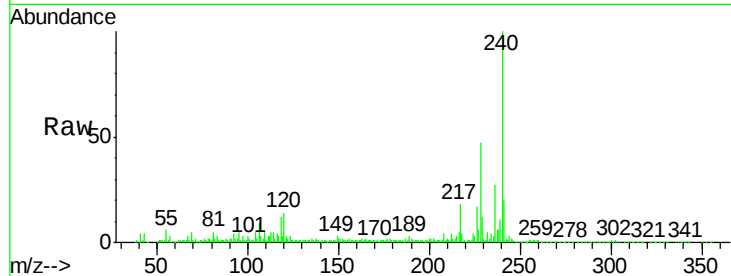
Tgt Ion:240 Resp: 295639

Ion Ratio Lower Upper

240 100

120 14.1 6.8 10.2#

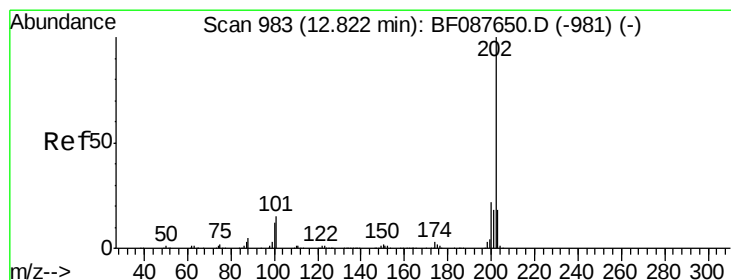
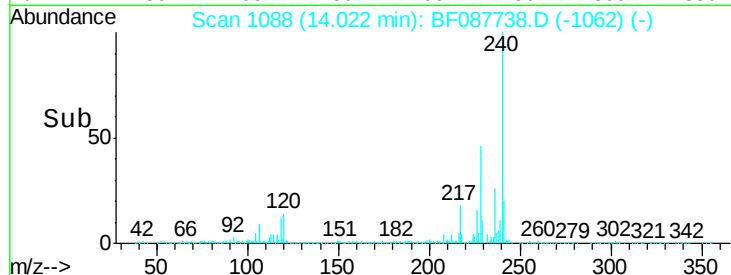
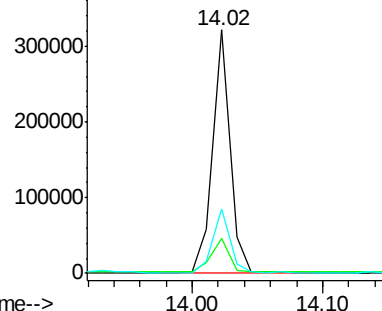
236 26.6 20.2 30.2



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: 41.45 ng

RT: 12.82 min Scan# 983

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

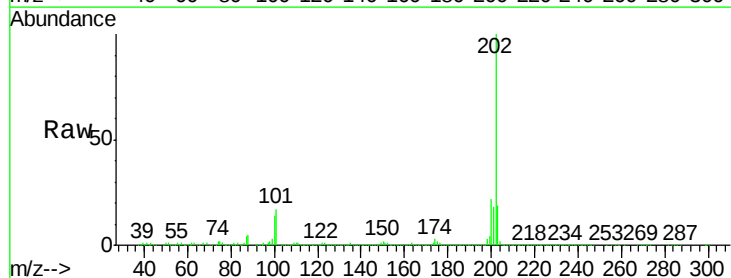
Tgt Ion:202 Resp: 872521

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

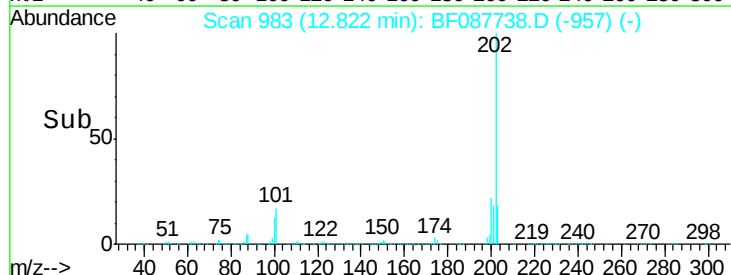
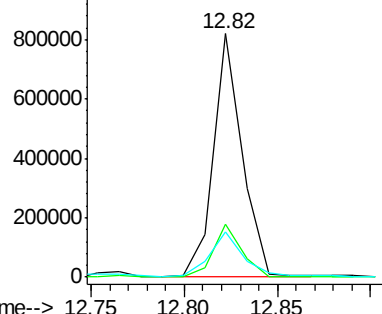
203 18.8 14.5 21.7

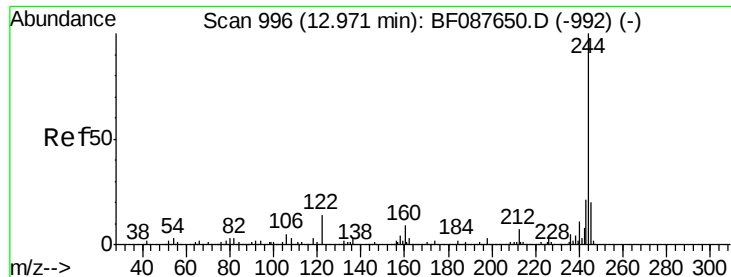


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.65 ng

RT: 12.97 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

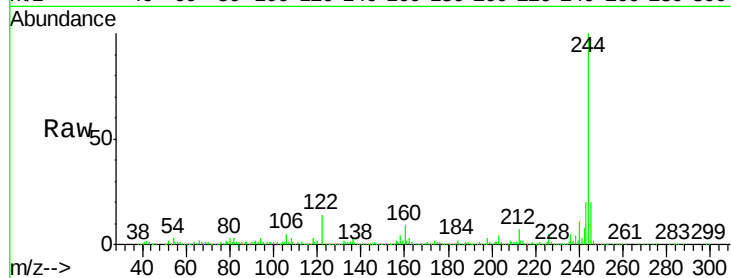
Tgt Ion:244 Resp: 698531

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

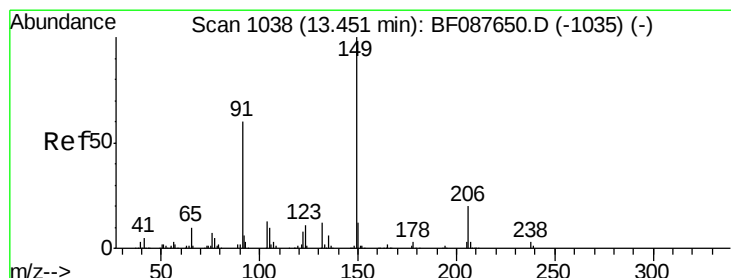
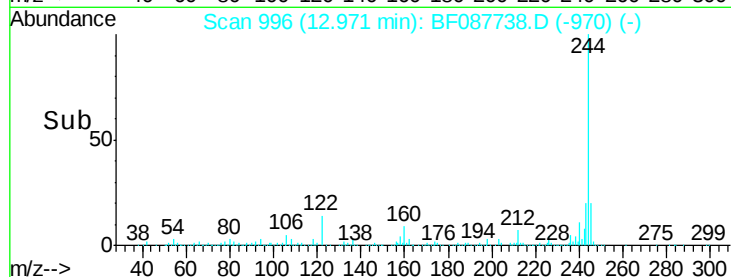
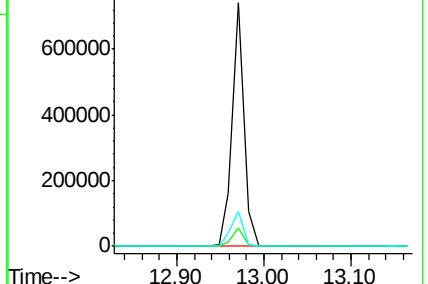
122 14.3 11.2 16.8



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



#79

Butylbenzylphthalate

Concen: 5.46 ng

RT: 13.45 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

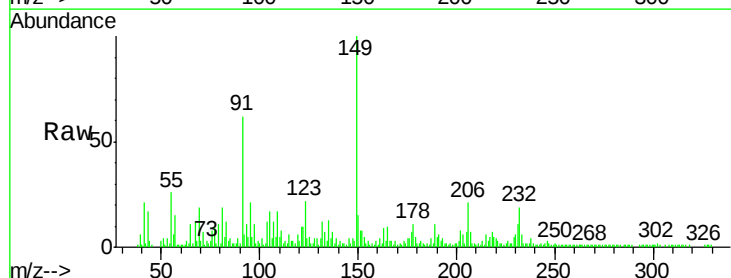
Tgt Ion:149 Resp: 48959

Ion Ratio Lower Upper

149 100

91 62.1 48.0 72.0

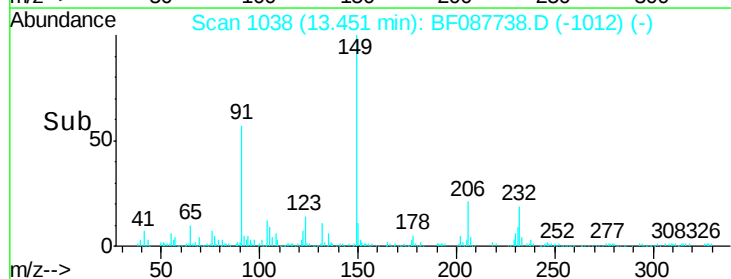
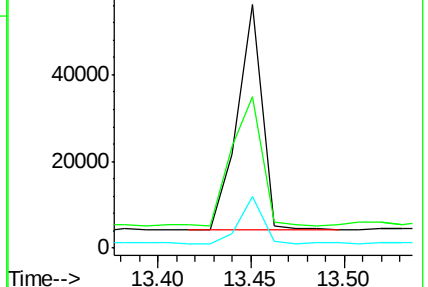
206 21.4 16.0 24.0

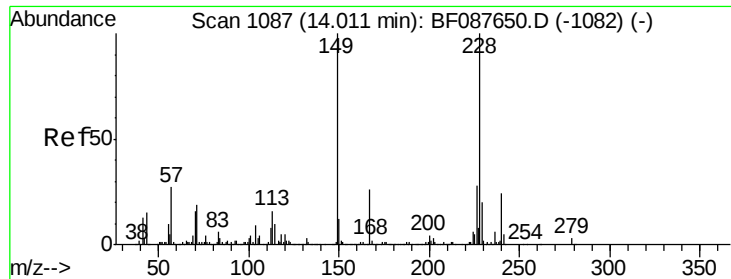


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 35.99 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

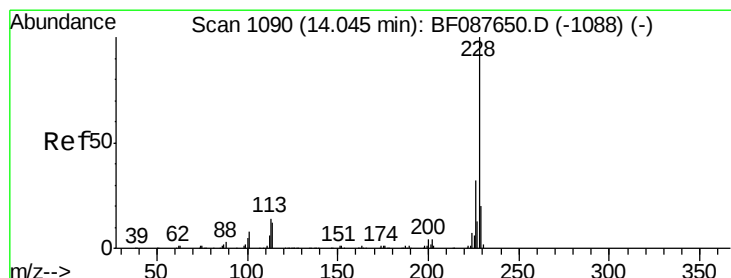
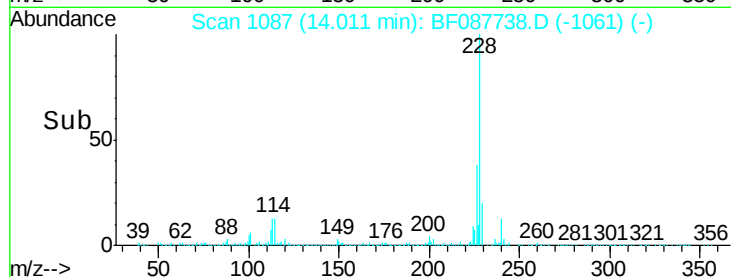
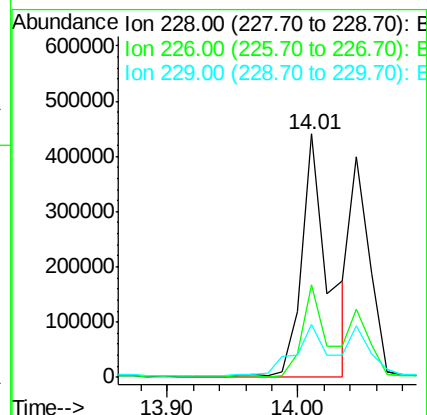
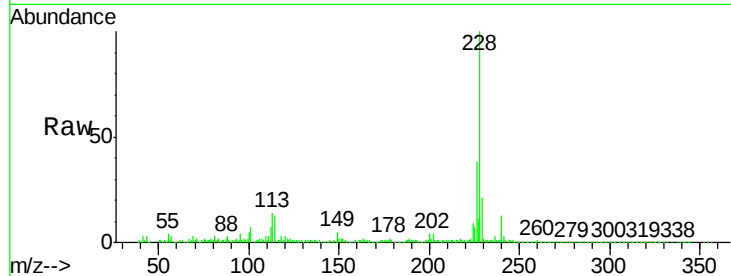
Tgt Ion:228 Resp: 614062

Ion Ratio Lower Upper

228 100

226 38.3 22.3 33.5#

229 21.5 16.0 24.0



#82

Chrysene

Concen: 36.16 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.03 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

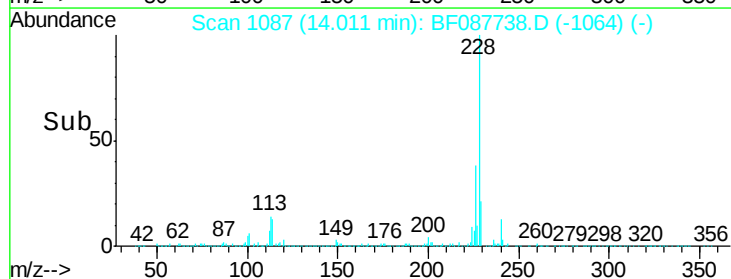
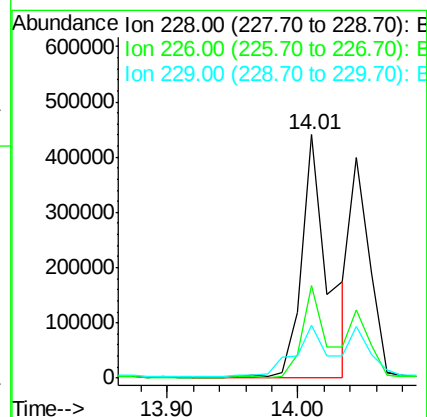
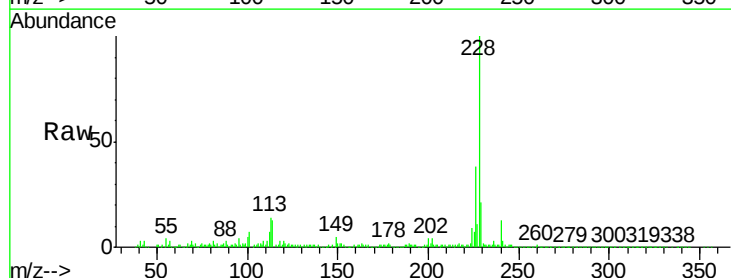
Tgt Ion:228 Resp: 614062

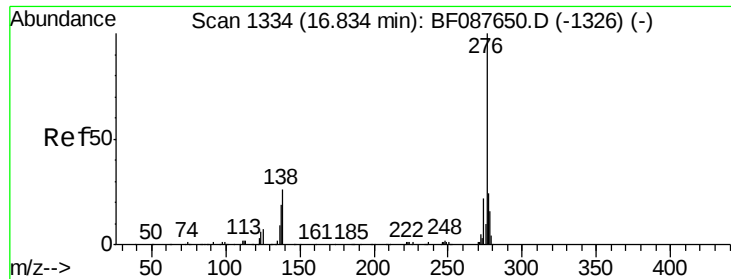
Ion Ratio Lower Upper

228 100

226 38.3 25.4 38.2#

229 21.5 16.3 24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.94 ng

RT: 16.87 min Scan# 1337

Delta R.T. 0.03 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

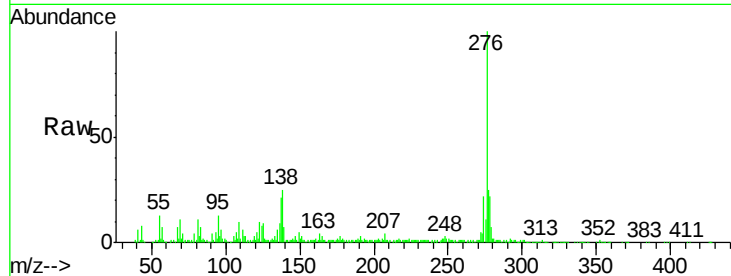
Tgt Ion:276 Resp: 279904

Ion Ratio Lower Upper

276 100

138 23.7 0.0 0.0#

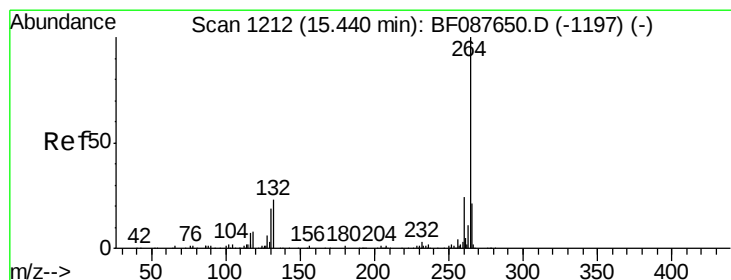
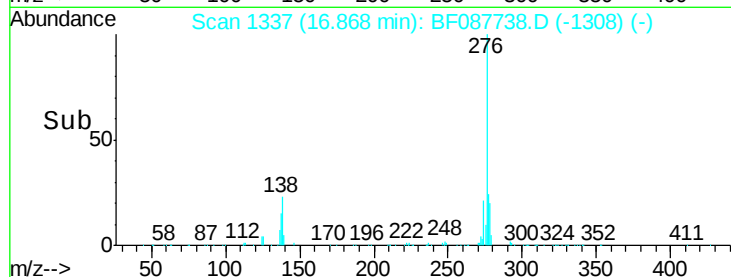
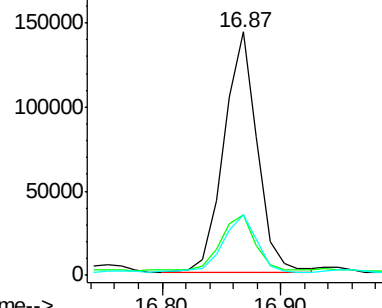
277 24.9 0.0 0.0#



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: 15.46 min Scan# 1214

Delta R.T. 0.02 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

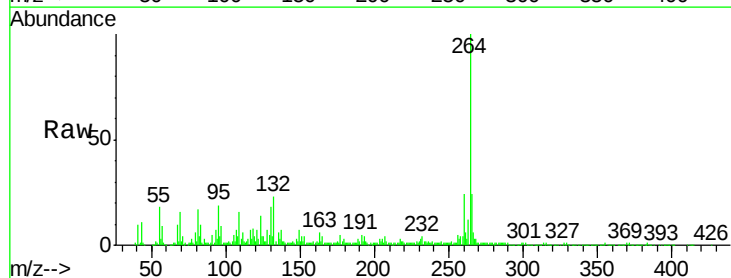
Tgt Ion:264 Resp: 258524

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

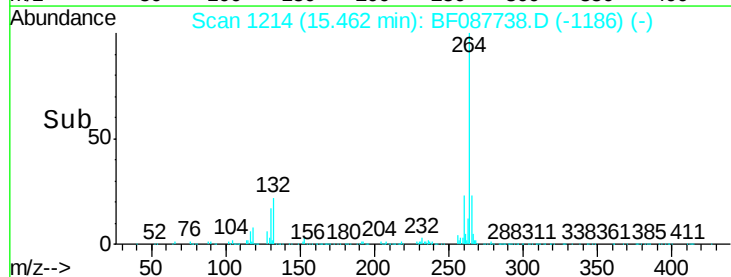
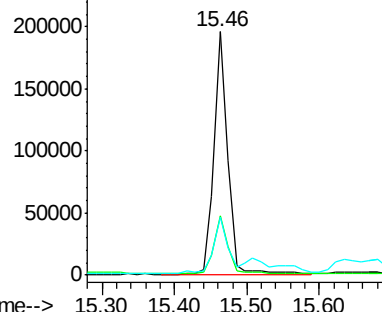
265 24.1 16.9 25.3

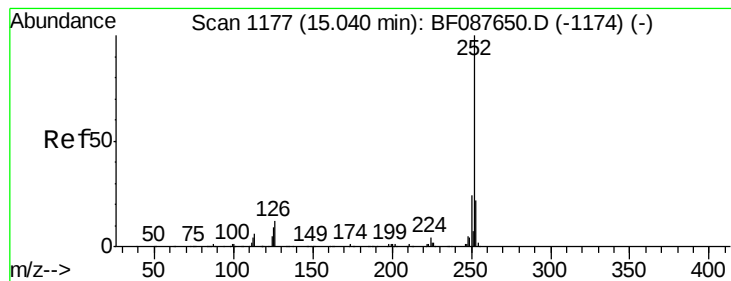


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 55.85 ng

RT: 15.05 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

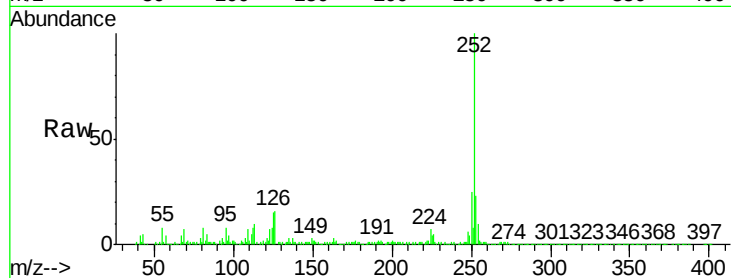
Tgt Ion:252 Resp: 939190

Ion Ratio Lower Upper

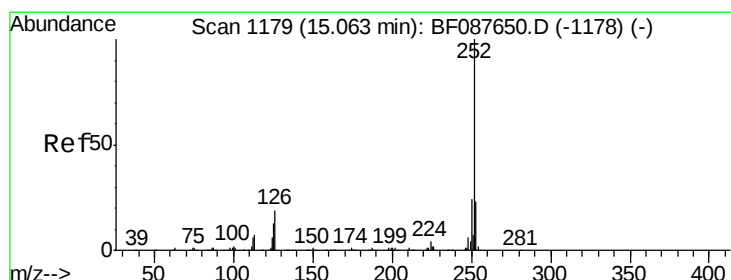
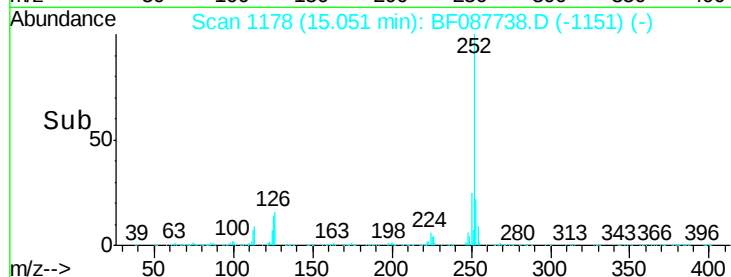
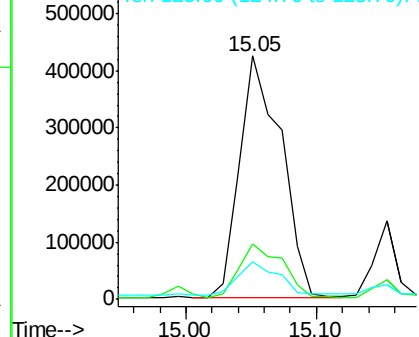
252 100

253 22.8 17.4 26.2

125 15.4 7.1 10.7#



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: 67.12 ng

RT: 15.05 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

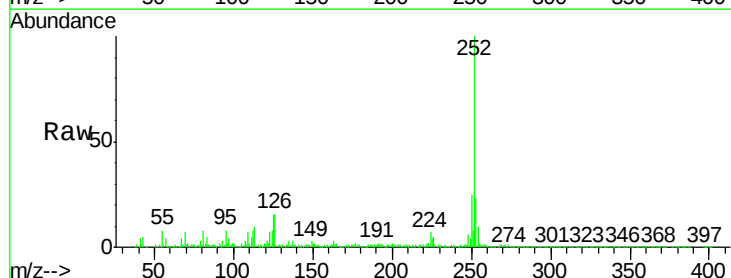
Tgt Ion:252 Resp: 939190

Ion Ratio Lower Upper

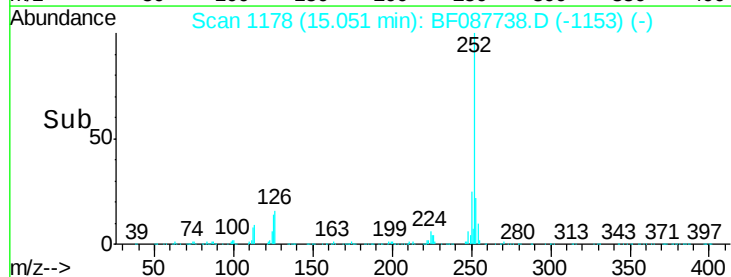
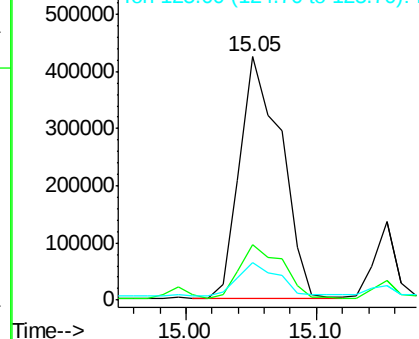
252 100

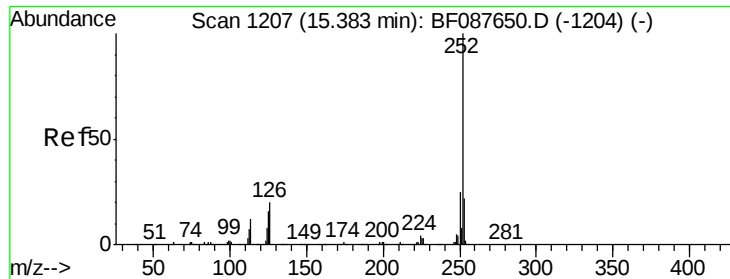
253 22.8 18.0 27.0

125 15.4 11.2 16.8



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: 26.92 ng

RT: 15.41 min Scan# 1209

Delta R.T. 0.02 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

ClientSampleId :

GM-SP-(0-4)RE

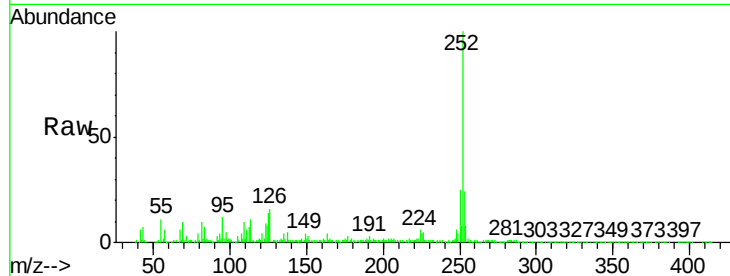
Tgt Ion: 252 Resp: 380518

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 14.0 12.5 18.7



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

15.41

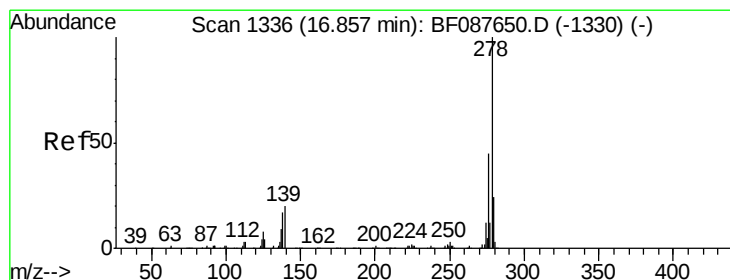
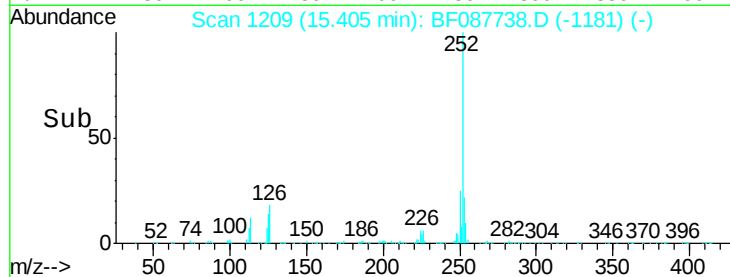
300000

200000

100000

0

Time-->



#90

Dibenzo(a,h)anthracene

Concen: 5.37 ng

RT: 16.88 min Scan# 1338

Delta R.T. 0.02 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

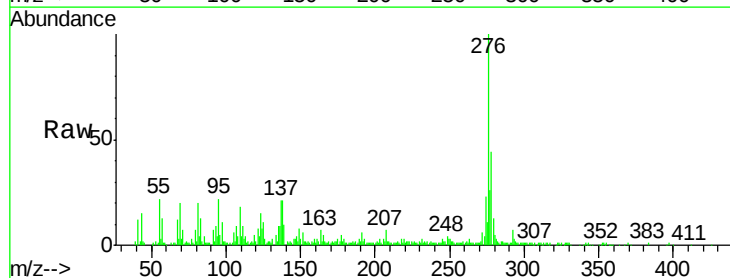
Tgt Ion: 278 Resp: 64569

Ion Ratio Lower Upper

278 100

139 22.2 15.7 23.5

279 29.3 19.4 29.2#



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

16.88

50000

40000

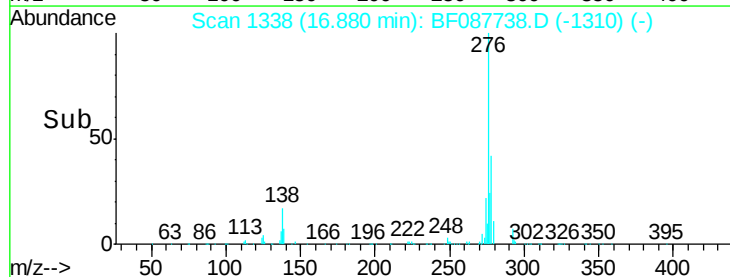
30000

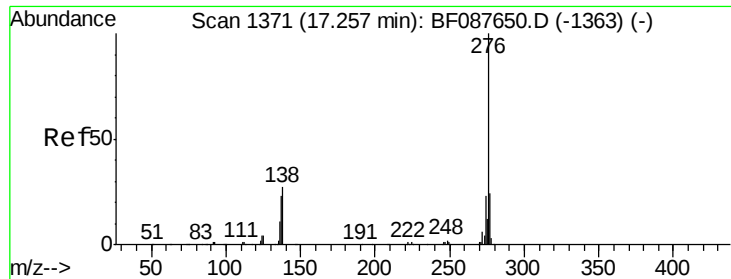
20000

10000

0

Time-->





#91
 Benzo(g,h,i)perylene
 Concen: 20.73 ng
 RT: 17.29 min Scan# 1374
 Delta R.T. 0.03 min
 Lab File: BF087738.D
 Acq: 6 Jun 2016 6:20

Instrument :
 BNA_F
 ClientSampleId :
 GM-SP-(0-4)RE

Tgt Ion: 276 Resp: 251618
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.9 28.3
 138 26.1 21.4 32.2

