

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084988.D
 Acq On : 10 Feb 2016 12:56
 Operator : SJ/IZ
 Sample : H1329-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(5-7)

Quant Time: Feb 10 13:40:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	160356	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	661903	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	295796	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	474046	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	310921	20.00	ng	-0.01
86) Perylene-d12	15.13	264	296734	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	1394025	135.41	ng	0.01
7) Phenol-d6	6.28	99	1841244	144.26	ng	0.00
23) Nitrobenzene-d5	7.20	82	1272912	108.33	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	320749	103.96	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1828152	121.40	ng	0.00
78) Terphenyl-d14	12.73	244	1603175	116.84	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	38855	5.16	ng	86
15) Benzyl Alcohol	6.78	79	20807	2.36	ng	# 47
19) n-Nitroso-di-n-propylamine	7.20	70	179512	22.44	ng	# 73
49) Dimethylphthalate	9.39	163	267907	11.89	ng	# 91
57) Fluorene	10.20	166	42146	2.15	ng	# 93
66) 4-Bromophenyl-phenylether	10.44	248	19746	3.77	ng	# 1
70) Phenanthrene	11.15	178	332469	12.64	ng	99
71) Anthracene	11.21	178	73185	2.76	ng	98
74) Fluoranthene	12.34	202	265421	9.97	ng	97
76) Benzidine	12.49	184	1317	6.97	ng	# 1
77) Pyrene	12.57	202	331304	13.92	ng	98
79) Butylbenzylphthalate	13.20	149	22284	2.06	ng	91
80) Benzo(a)anthracene	13.75	228	128177	6.64	ng	# 90
82) Chrysene	13.75	228	128177	6.85	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.38	276	46505	3.16	ng	91
87) Benzo(b)fluoranthene	14.75	252	129052	6.47	ng	# 82
88) Benzo(k)fluoranthene	14.75	252	128129	7.77	ng	# 86
89) Benzo(a)pyrene	15.07	252	83275	4.90	ng	# 90
91) Benzo(g,h,i)perylene	16.75	276	53524	3.72	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

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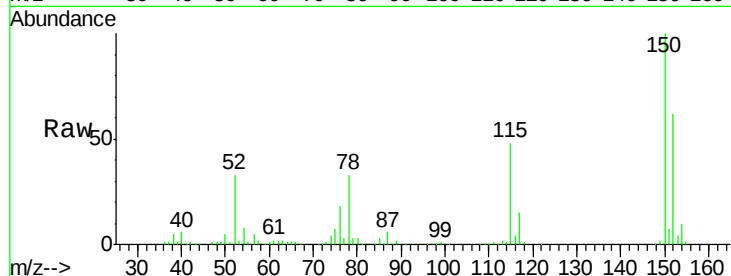
Tgt Ion:152 Resp: 160356

Ion Ratio Lower Upper

152 100

150 161.7 123.0 184.4

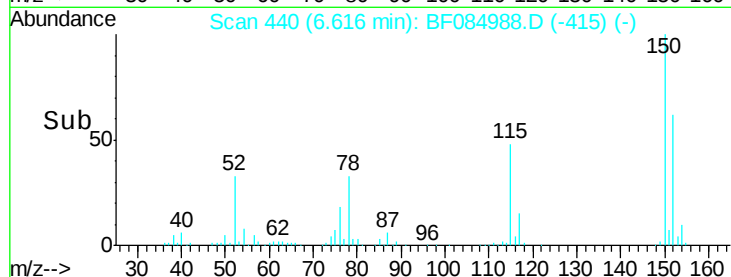
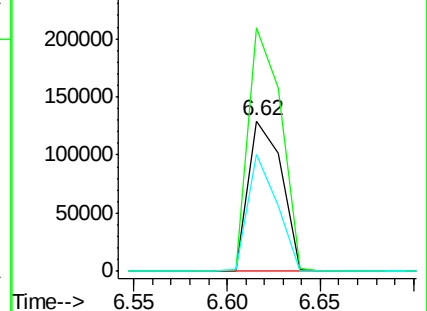
115 77.4 51.4 77.2#



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: 135.41 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

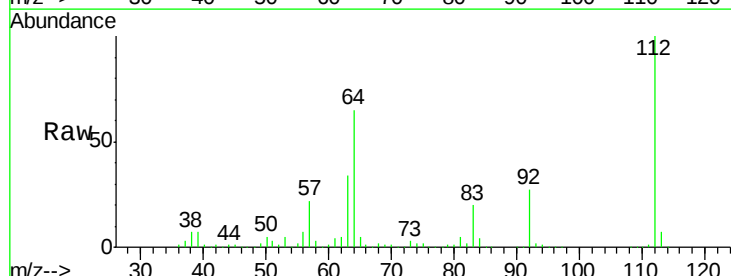
Tgt Ion:112 Resp: 1394025

Ion Ratio Lower Upper

112 100

64 65.1 36.6 55.0#

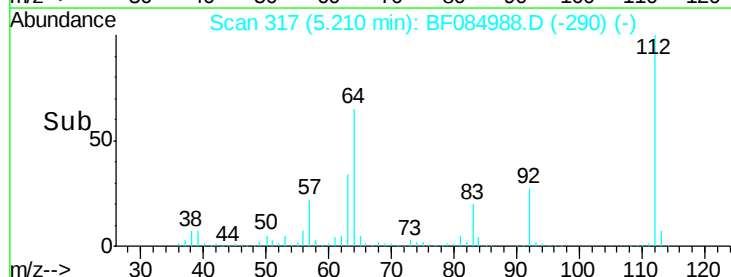
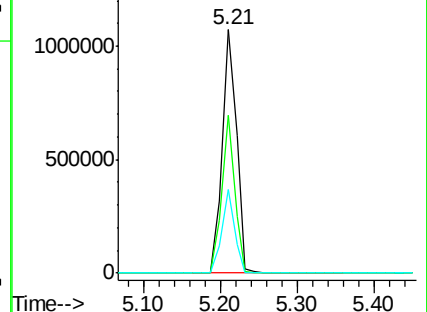
63 34.1 19.4 29.0#



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: 144.26 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Instrument :

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ClientSampleId :

S4-B007(5-7)

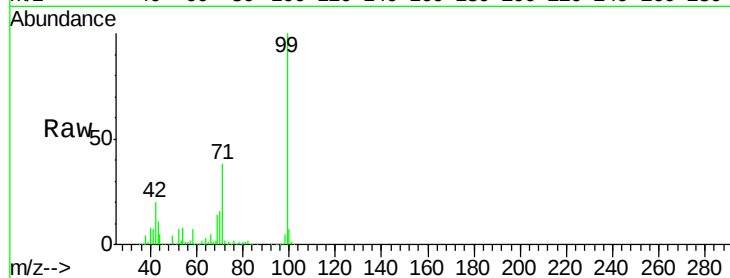
Tgt Ion: 99 Resp: 1841244

Ion Ratio Lower Upper

99 100

42 20.4 12.8 19.2#

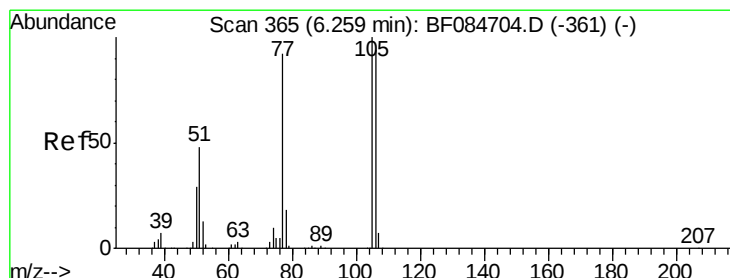
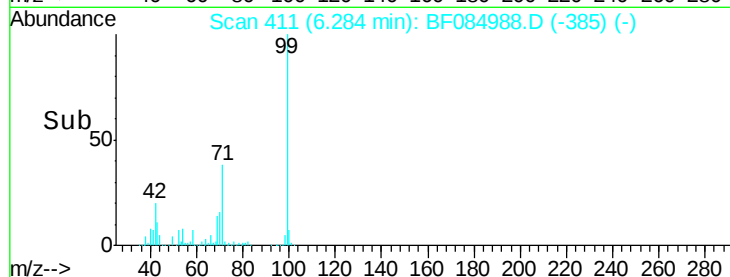
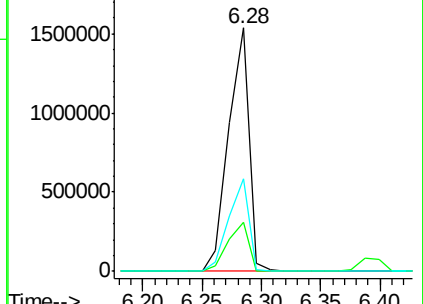
71 38.0 30.9 46.3



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



#9

Benzaldehyde

Concen: 5.16 ng

RT: 6.40 min Scan# 421

Delta R.T. 0.23 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

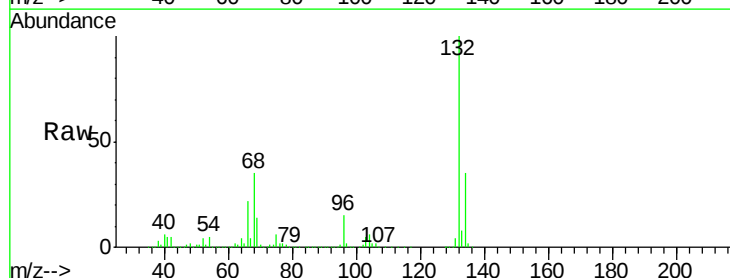
Tgt Ion: 77 Resp: 38855

Ion Ratio Lower Upper

77 100

105 87.8 83.0 123.0

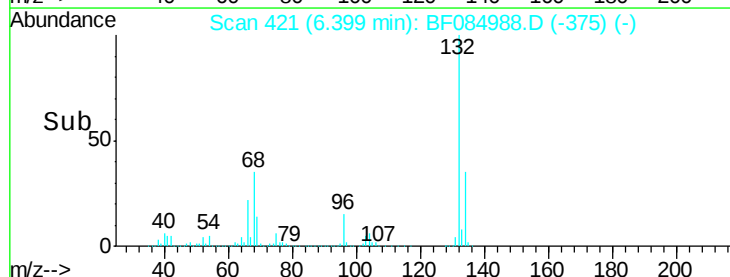
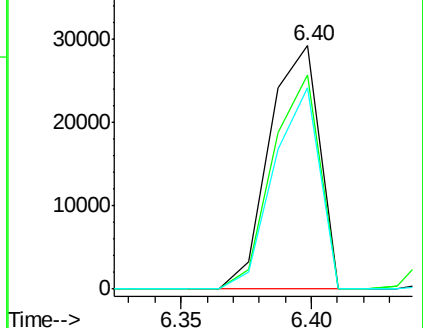
106 82.5 74.6 114.6

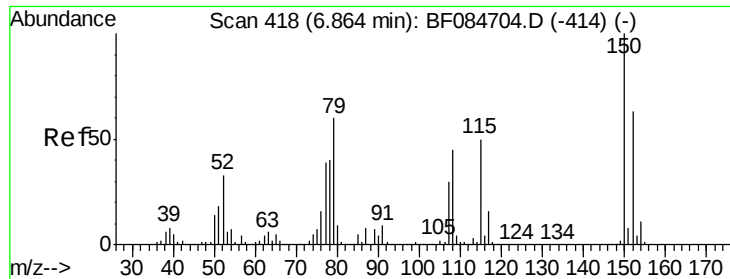


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.36 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Instrument :

BNA_F

ClientSampleId :

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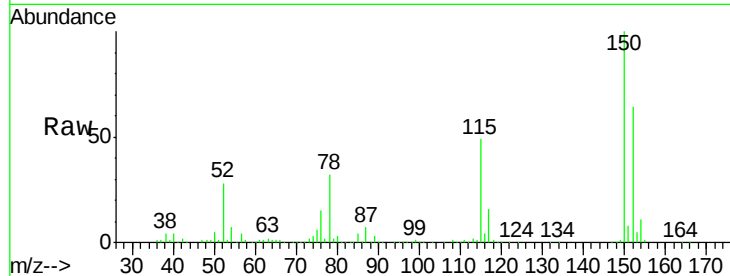
Tgt Ion: 79 Resp: 20807

Ion Ratio Lower Upper

79 100

108 28.1 69.0 103.4#

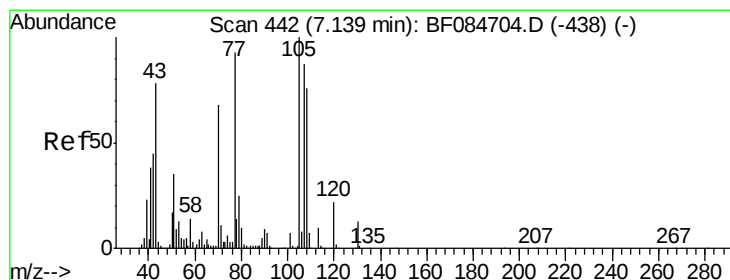
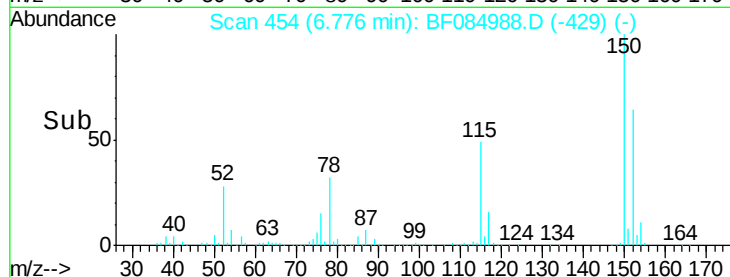
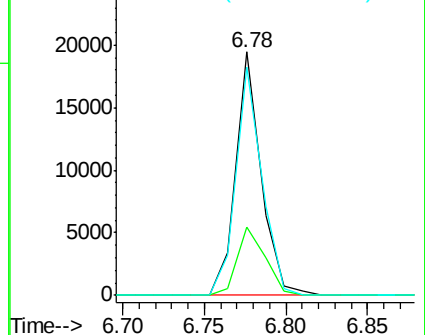
77 93.5 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 22.44 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.14 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Tgt Ion: 70 Resp: 179512

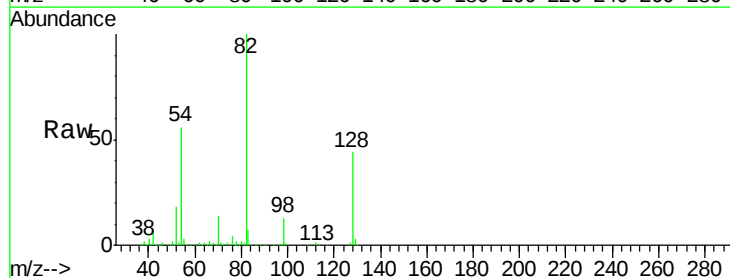
Ion Ratio Lower Upper

70 100

42 47.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#

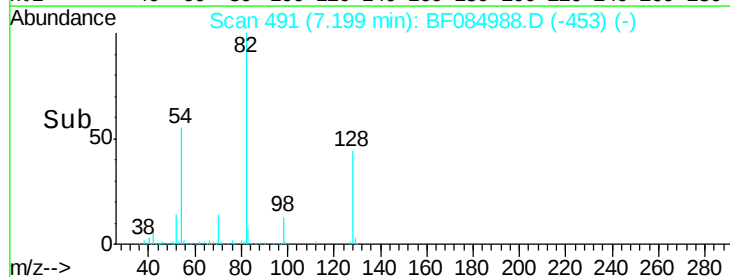
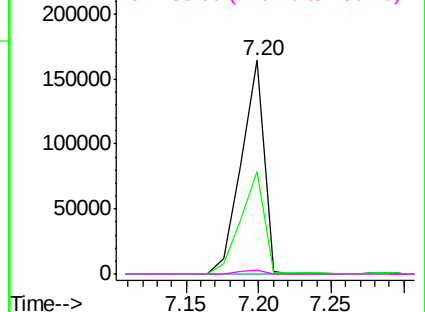


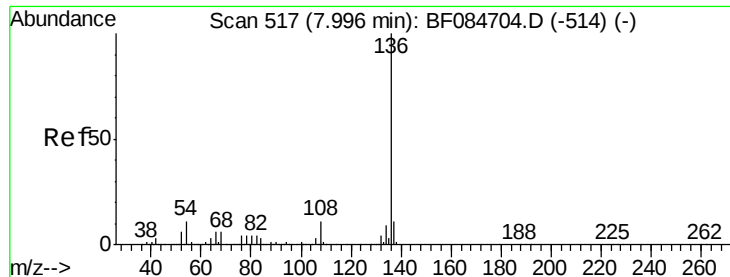
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

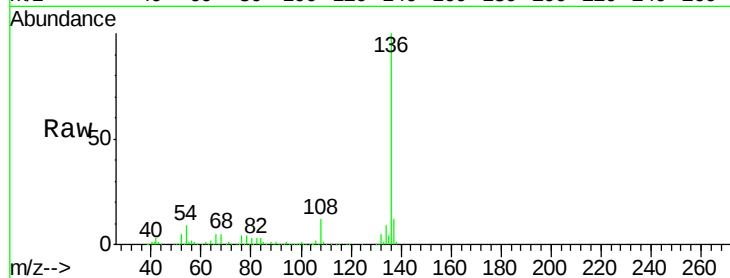




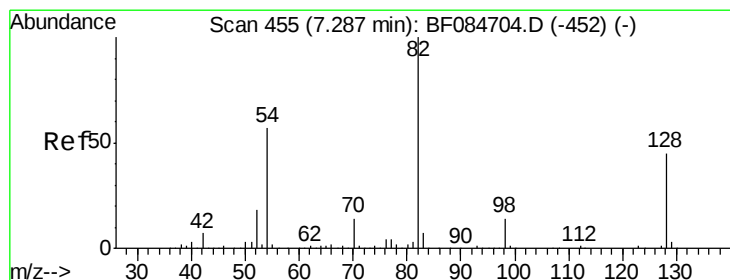
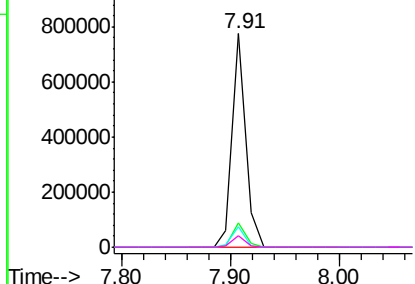
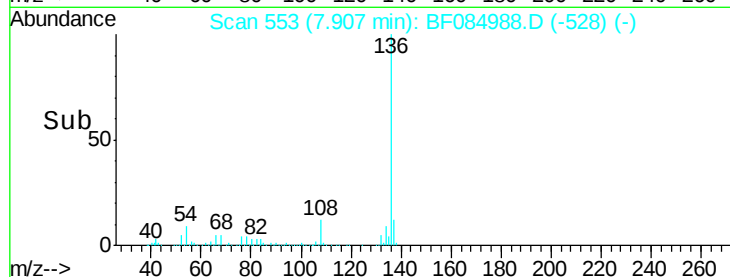
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF084988.D
Acq: 10 Feb 2016 12:56

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

Tgt Ion:	136	Resp:	661903
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	9.5	5.8	8.8#
68	5.3	4.2	6.2

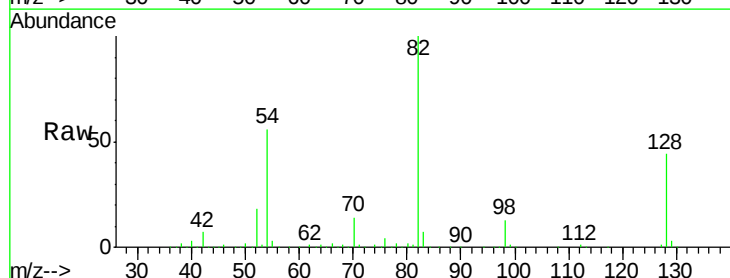


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

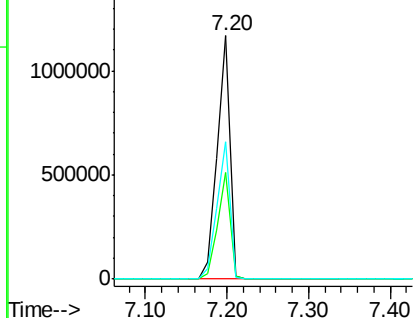
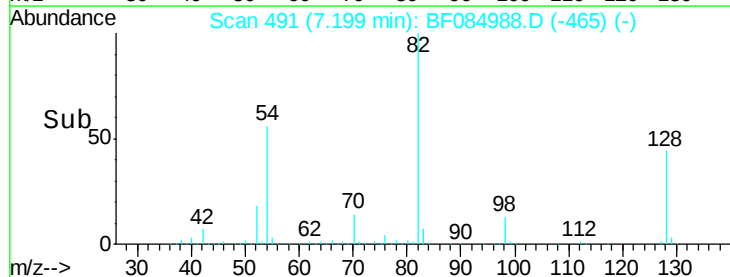


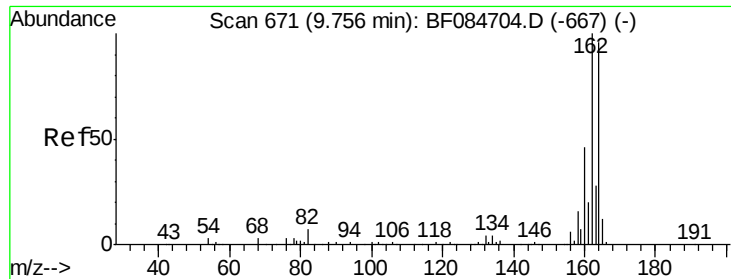
#23
Nitrobenzene-d5
Concen: 108.33 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.00 min
Lab File: BF084988.D
Acq: 10 Feb 2016 12:56

Tgt Ion:	82	Resp:	1272912
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	51.8
54	56.3	38.4	57.6



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

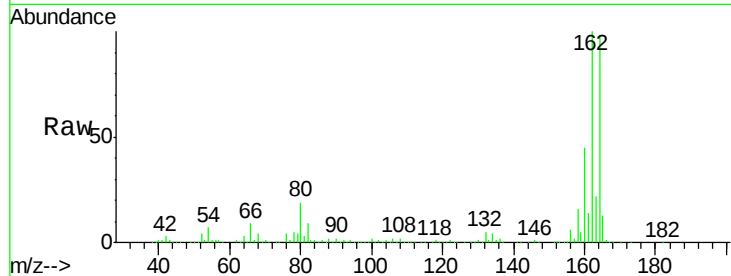
Tgt Ion:164 Resp: 295796

Ion Ratio Lower Upper

164 100

162 102.0 85.1 127.7

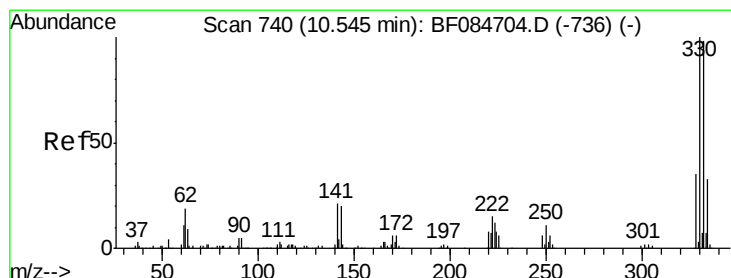
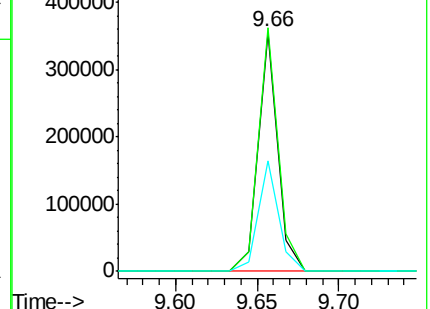
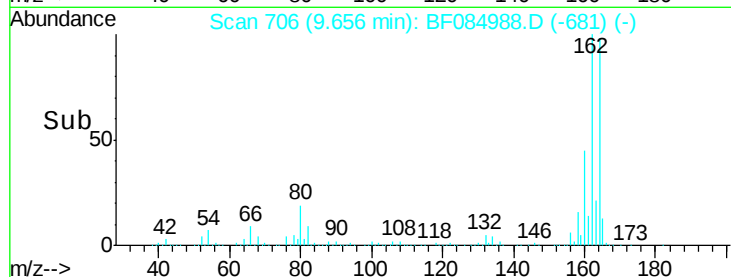
160 46.0 37.5 56.3



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: 103.96 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

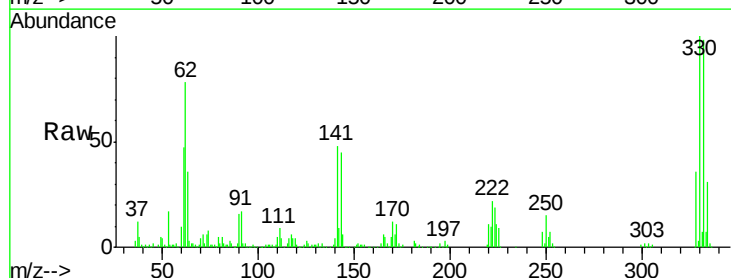
Tgt Ion:330 Resp: 320749

Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

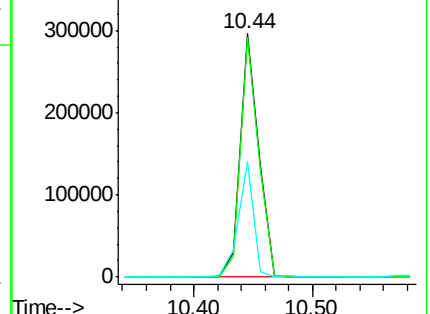
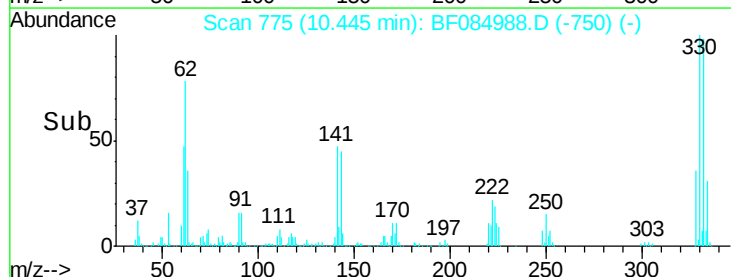
141 39.4 27.8 41.6

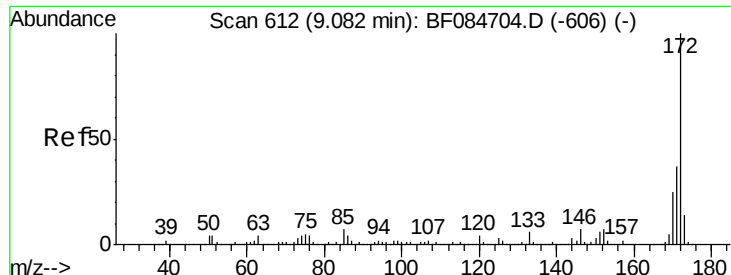


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

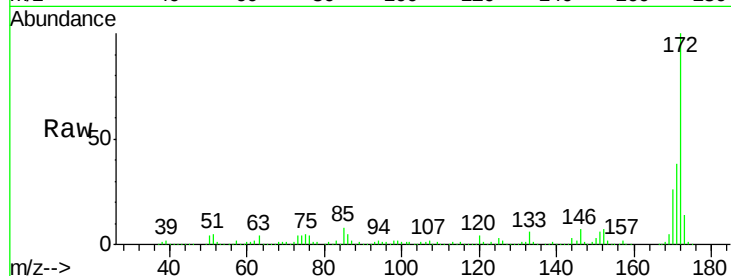




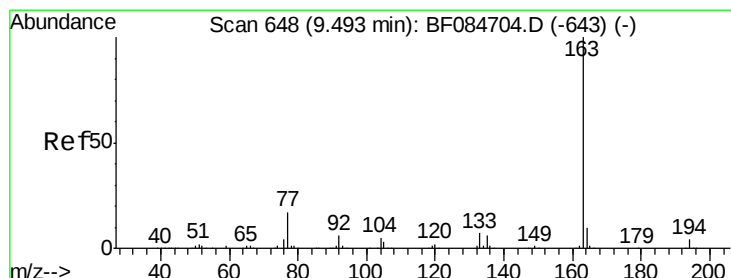
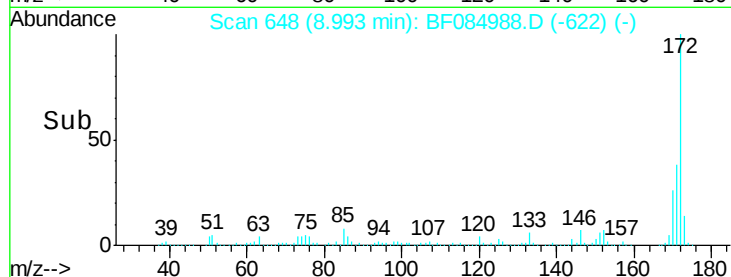
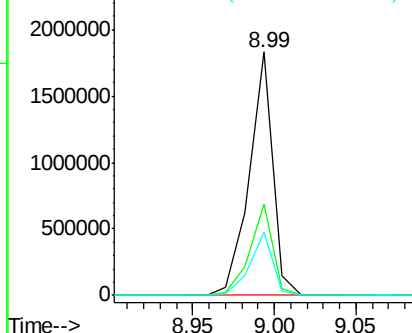
#44
2-Fluorobiphenyl
Concen: 121.40 ng
RT: 8.99 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF084988.D
Acq: 10 Feb 2016 12:56

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Tgt Ion:172 Resp: 1828152
Ion Ratio Lower Upper
172 100
171 37.6 28.9 43.3
170 25.8 18.6 27.8

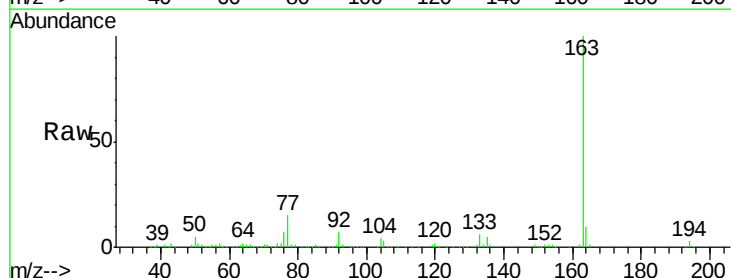


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

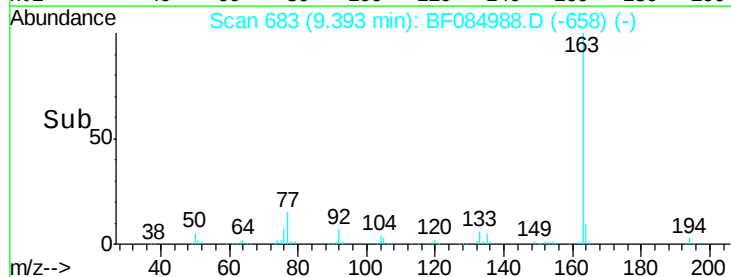
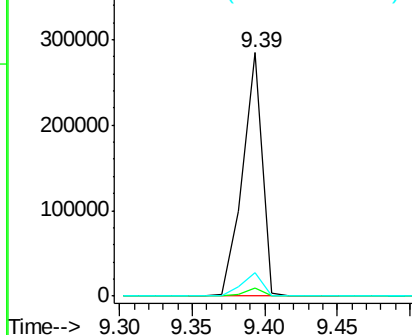


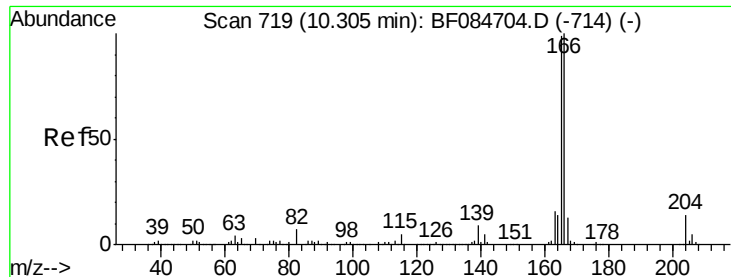
#49
Dimethylphthalate
Concen: 11.89 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF084988.D
Acq: 10 Feb 2016 12:56

Tgt Ion:163 Resp: 267907
Ion Ratio Lower Upper
163 100
194 3.4 8.0 12.0#
164 9.6 8.0 12.0



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

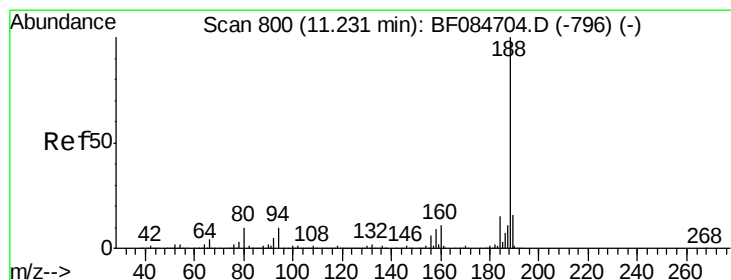
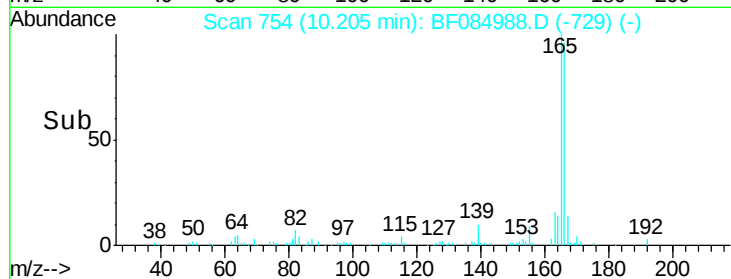
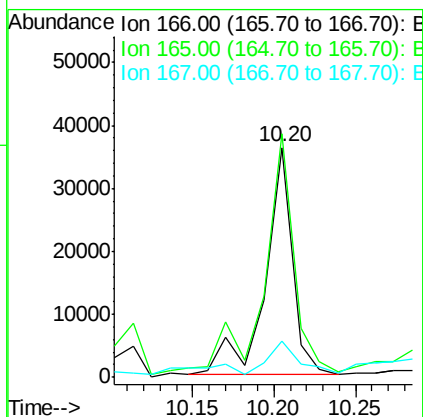
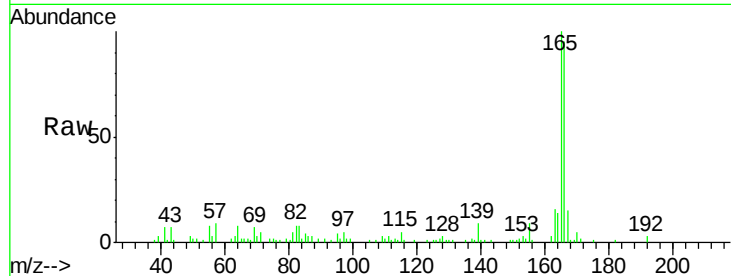




#57
 Fluorene
 Concen: 2.15 ng
 RT: 10.20 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF084988.D
 Acq: 10 Feb 2016 12:56

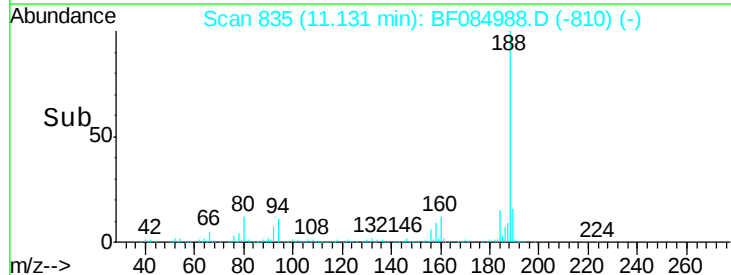
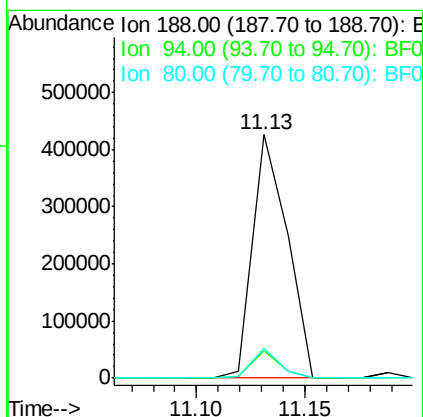
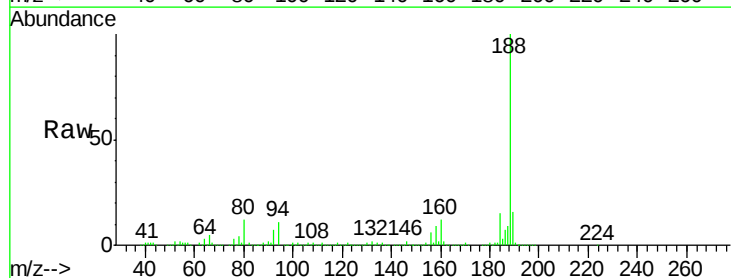
Instrument :
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 ClientSampleId :
 S4-B007(5-7)

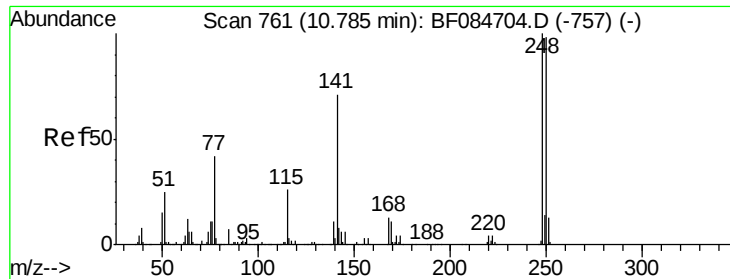
Tgt Ion:166 Resp: 42146
 Ion Ratio Lower Upper
 166 100
 165 105.8 79.1 118.7
 167 16.0 10.4 15.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF084988.D
 Acq: 10 Feb 2016 12:56

Tgt Ion:188 Resp: 474046
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.0 13.4
 80 12.4 9.6 14.4

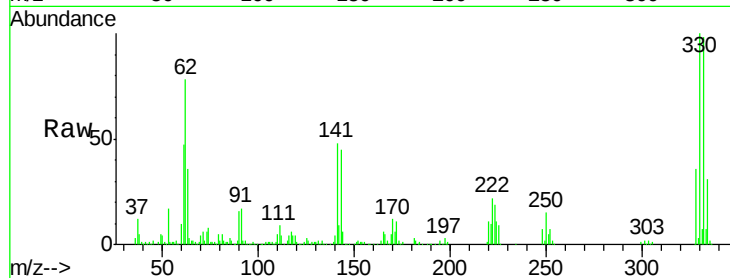




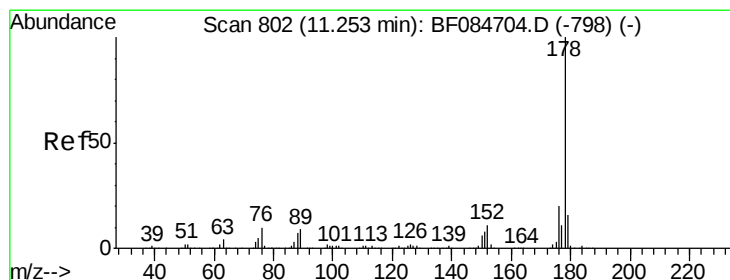
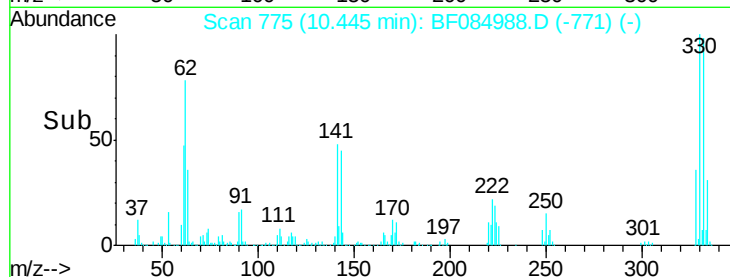
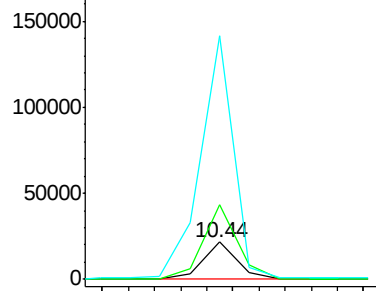
#66
 4-Bromophenyl-phenylether
 Concen: 3.77 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.25 min
 Lab File: BF084988.D
 Acq: 10 Feb 2016 12:56

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(5-7)

Tgt Ion:248 Resp: 19746
 Ion Ratio Lower Upper
 248 100
 250 199.2 78.4 117.6#
 141 651.2 44.0 66.0#

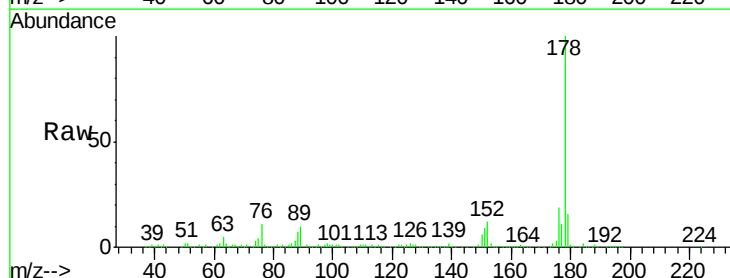


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

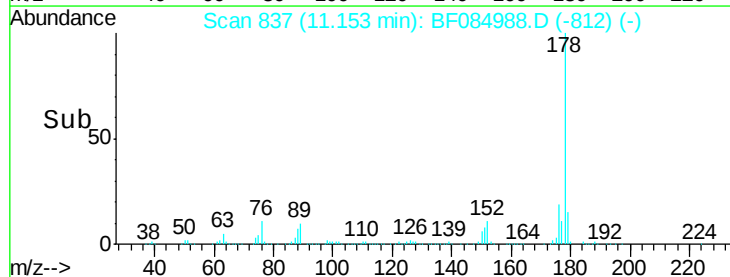
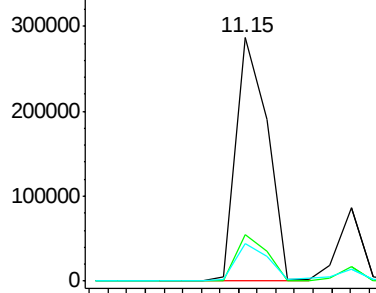


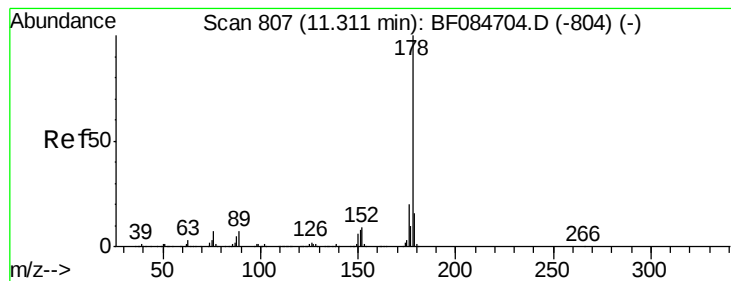
#70
 Phenanthrene
 Concen: 12.64 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF084988.D
 Acq: 10 Feb 2016 12:56

Tgt Ion:178 Resp: 332469
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 15.7 12.0 18.0



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: 2.76 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

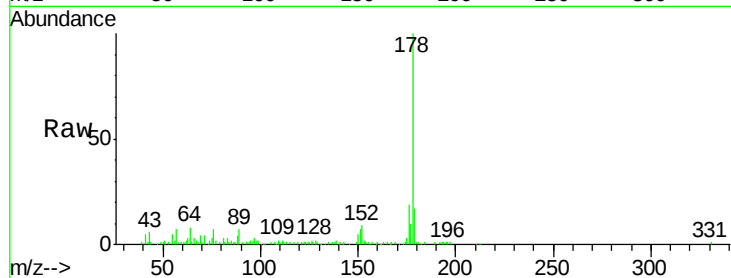
Tgt Ion:178 Resp: 73185

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

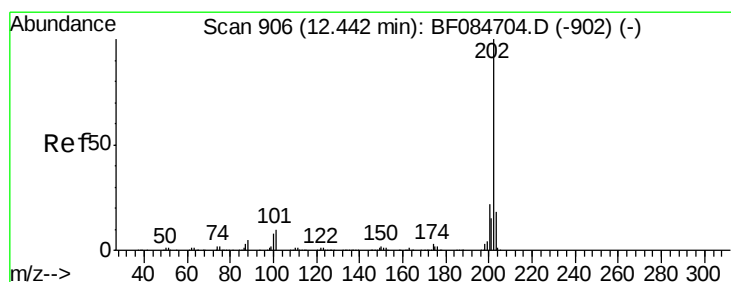
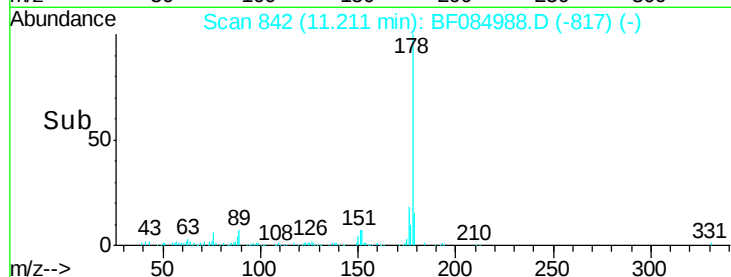
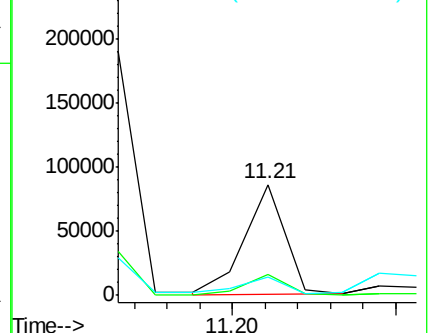
179 16.7 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 9.97 ng

RT: 12.34 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

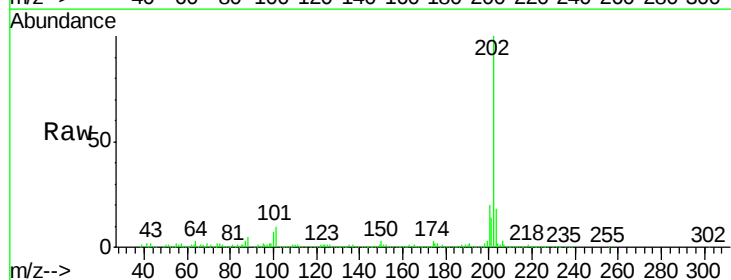
Tgt Ion:202 Resp: 265421

Ion Ratio Lower Upper

202 100

101 9.7 0.0 32.8

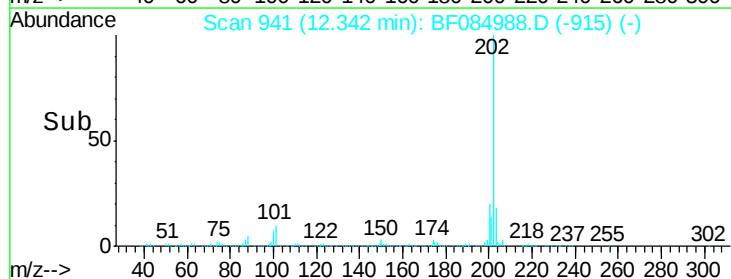
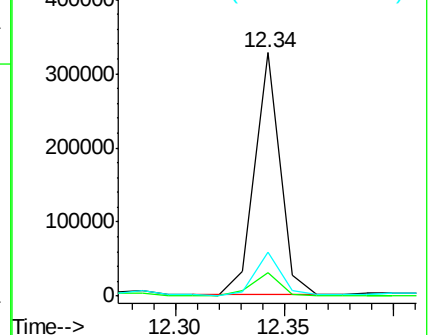
203 18.0 0.0 37.9

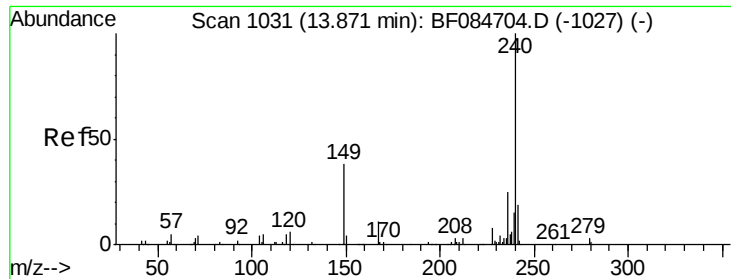


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

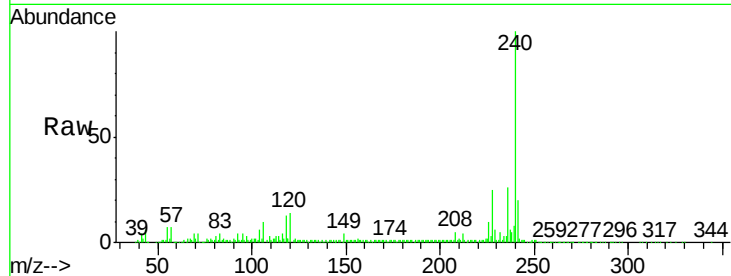
Tgt Ion:240 Resp: 310921

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

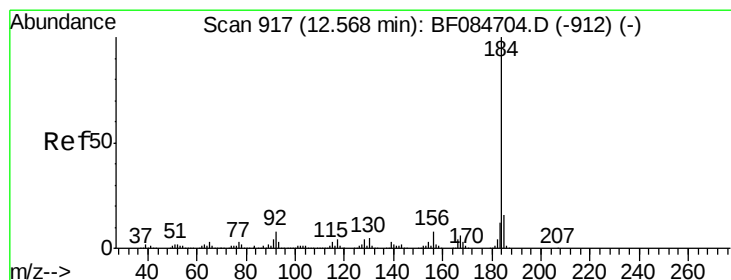
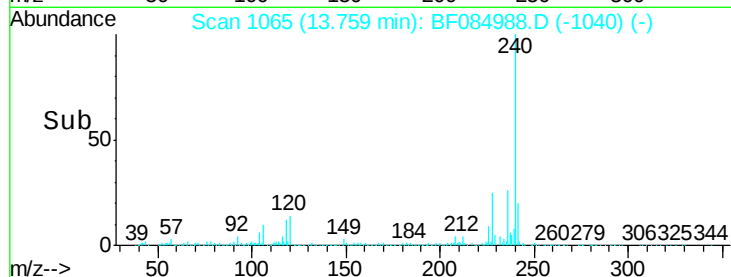
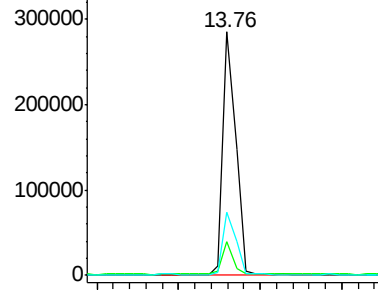
236 26.1 20.6 31.0



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



#76

Benzidine

Concen: 6.97 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

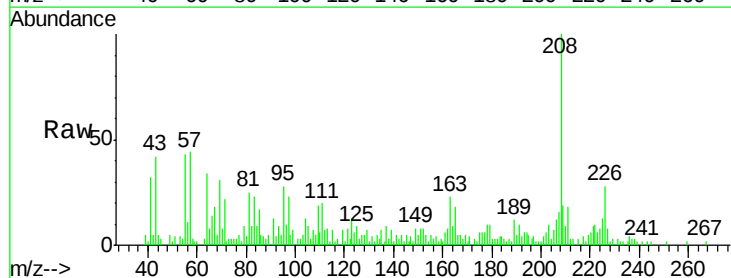
Tgt Ion:184 Resp: 1317

Ion Ratio Lower Upper

184 100

185 60.4 12.2 18.2#

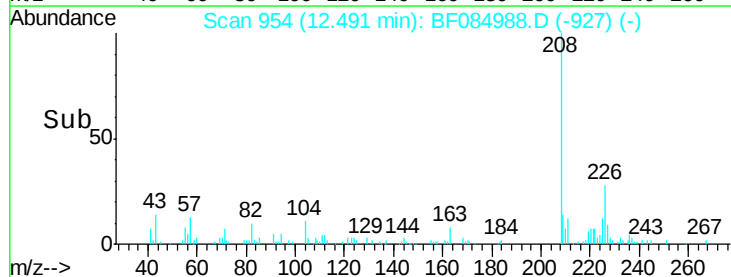
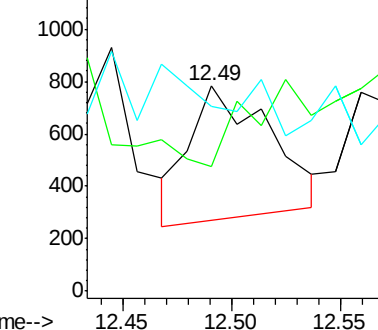
183 89.6 9.8 14.8#

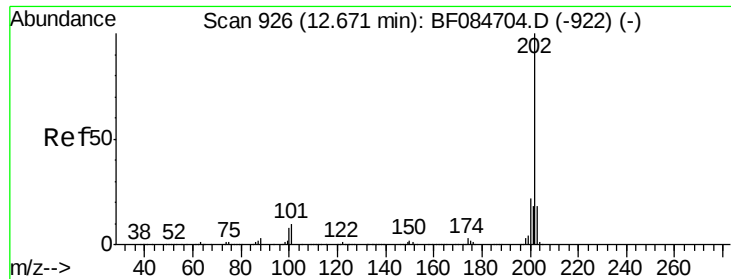


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

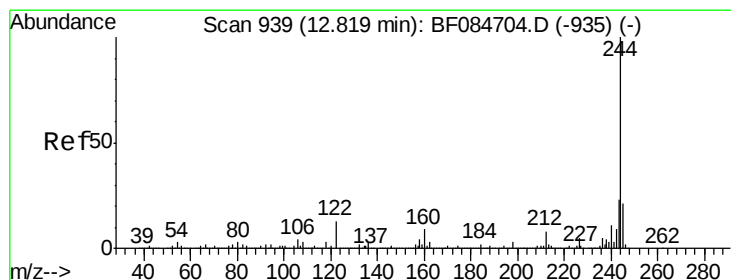
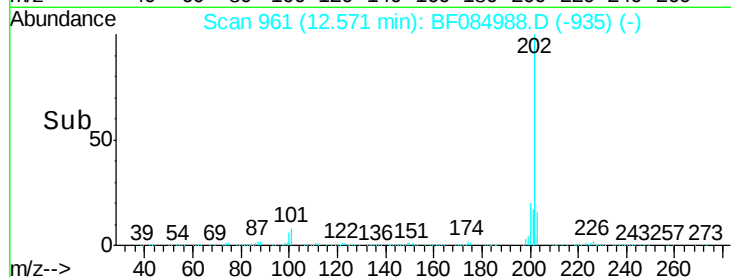
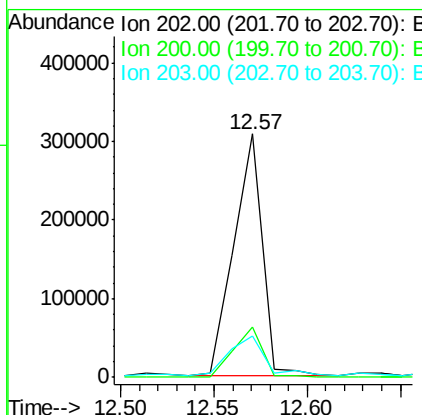
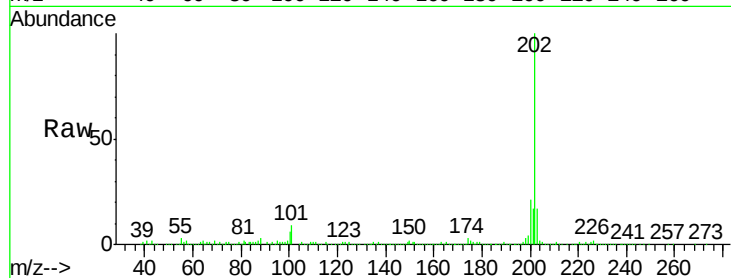




#77
 Pyrene
 Concen: 13.92 ng
 RT: 12.57 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BF084988.D
 Acq: 10 Feb 2016 12:56

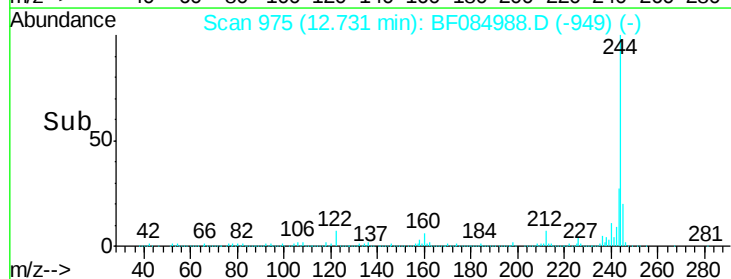
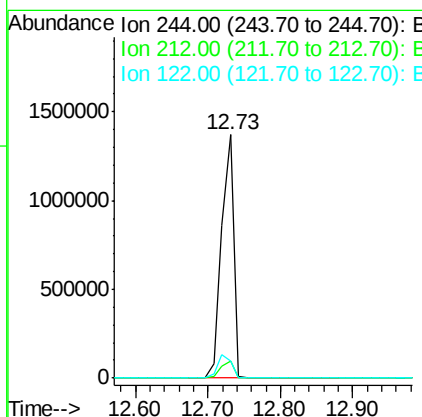
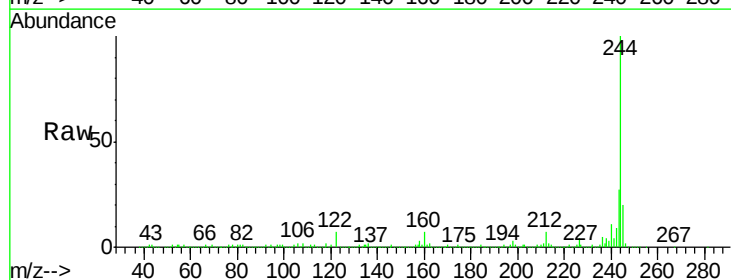
Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(5-7)

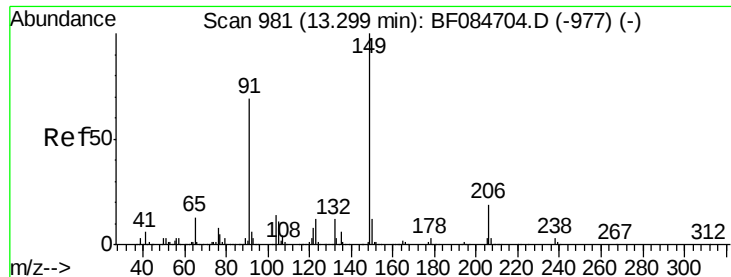
Tgt Ion: 202 Resp: 331304
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.2 25.8
 203 17.3 14.3 21.5



#78
 Terphenyl-d14
 Concen: 116.84 ng
 RT: 12.73 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: BF084988.D
 Acq: 10 Feb 2016 12:56

Tgt Ion: 244 Resp: 1603175
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 7.3 7.4 11.0#





#79

Butylbenzylphthalate

Concen: 2.06 ng

RT: 13.20 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

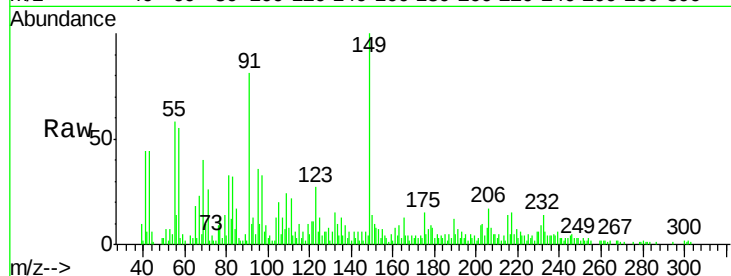
Tgt Ion:149 Resp: 22284

Ion Ratio Lower Upper

149 100

91 80.6 57.6 86.4

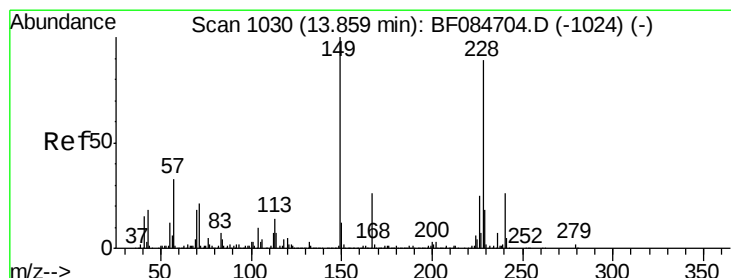
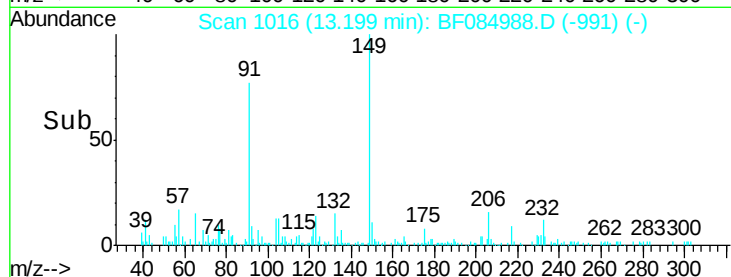
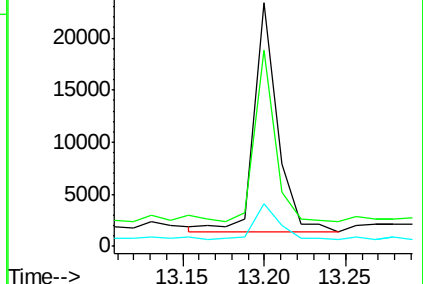
206 17.4 13.2 19.8



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: 6.64 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

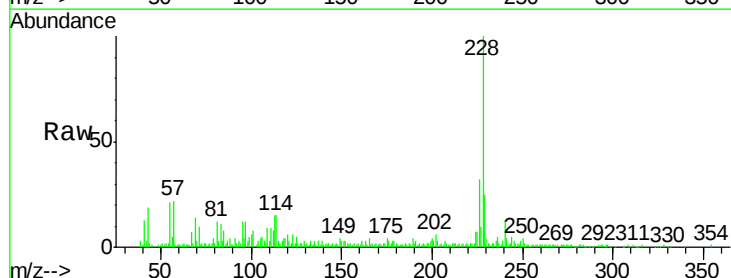
Tgt Ion:228 Resp: 128177

Ion Ratio Lower Upper

228 100

226 31.9 21.8 32.6

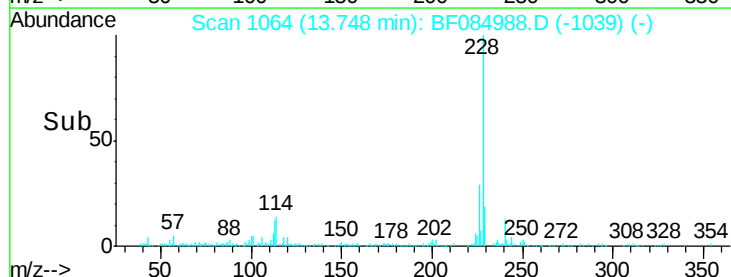
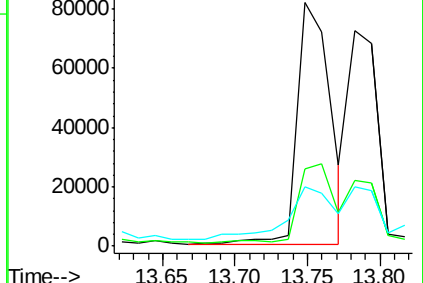
229 24.6 15.8 23.8#

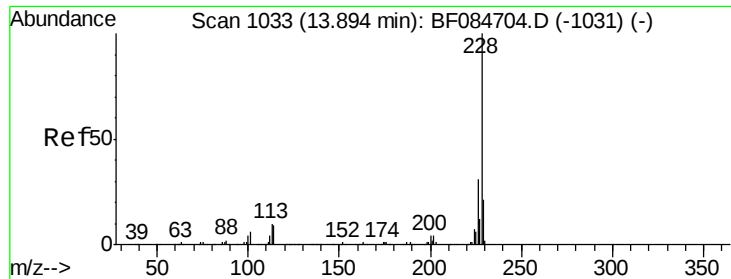


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.85 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.05 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

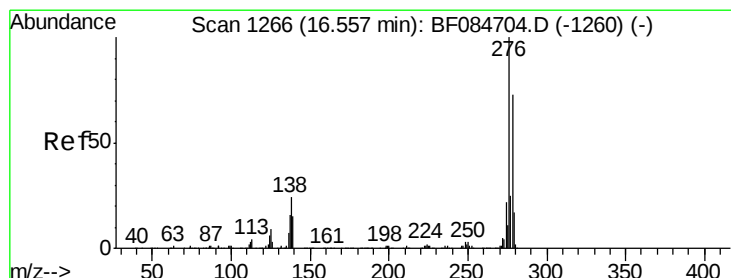
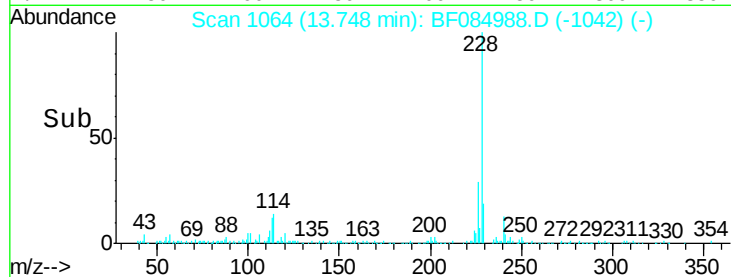
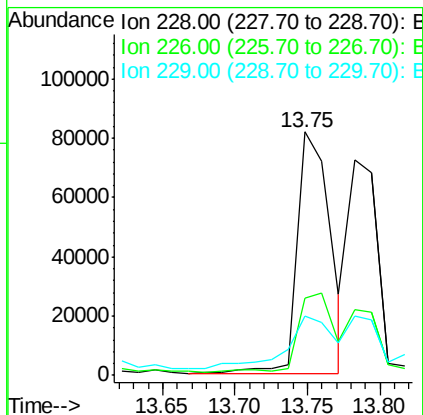
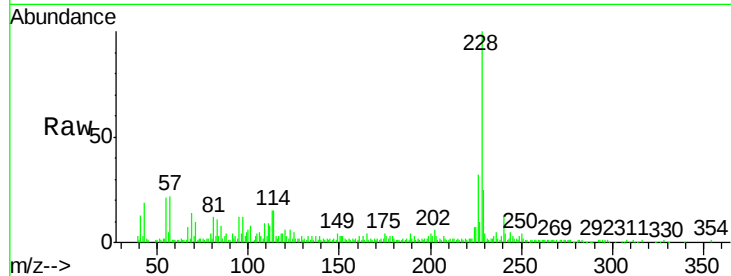
Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

Tgt Ion:	228	Resp:	128177
Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.3	36.5
229	24.6	16.1	24.1#



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.16 ng

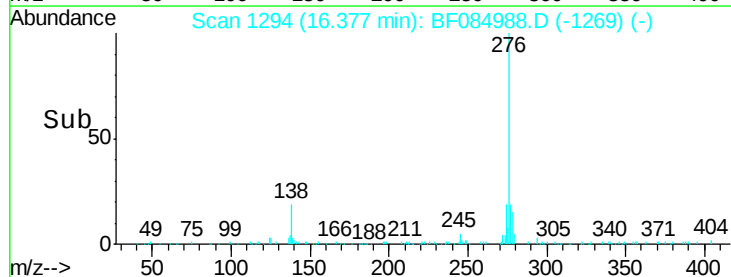
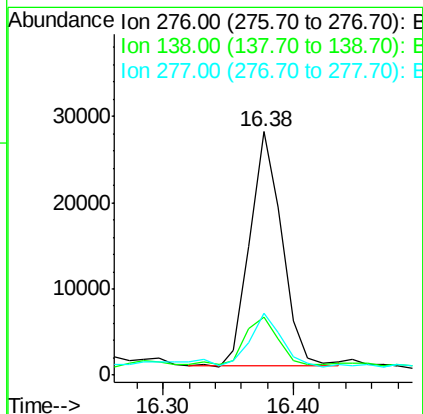
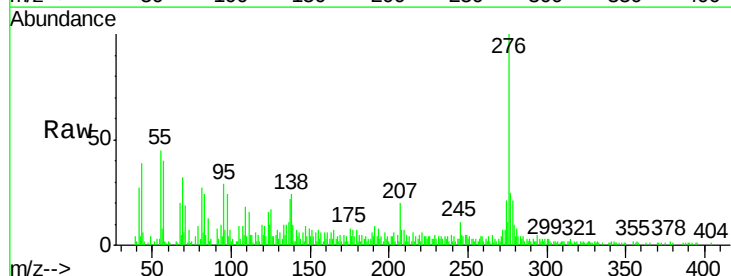
RT: 16.38 min Scan# 1294

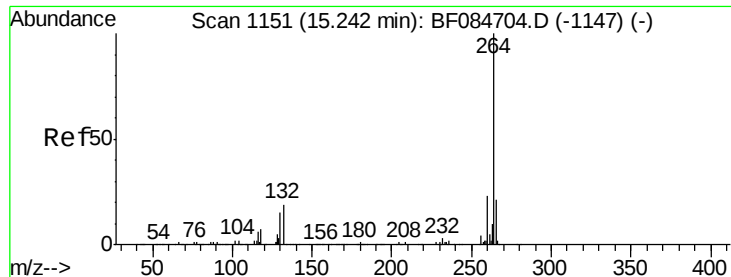
Delta R.T. -0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Tgt Ion:	276	Resp:	46505
Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.6	30.8
277	28.8	20.1	30.1





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. 0.00 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

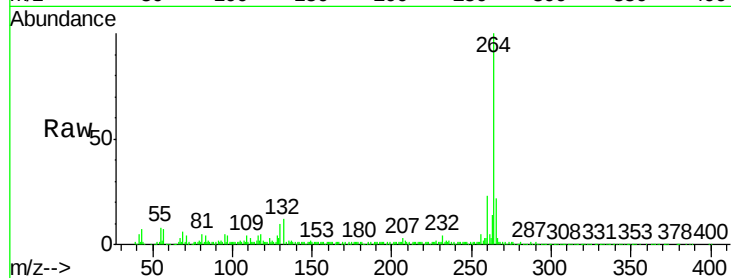
Tgt Ion:264 Resp: 296734

Ion Ratio Lower Upper

264 100

260 22.8 19.4 29.2

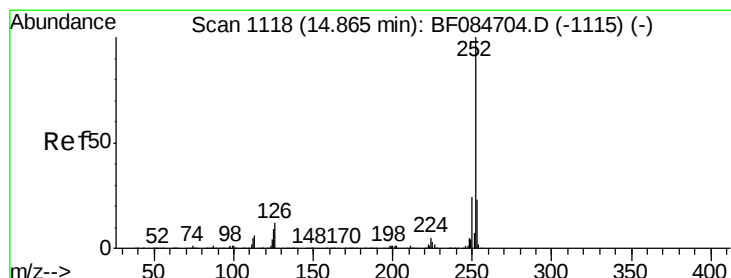
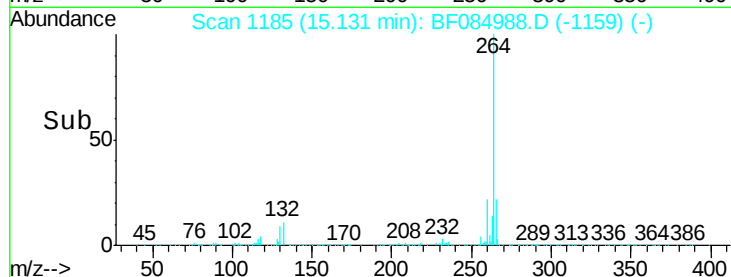
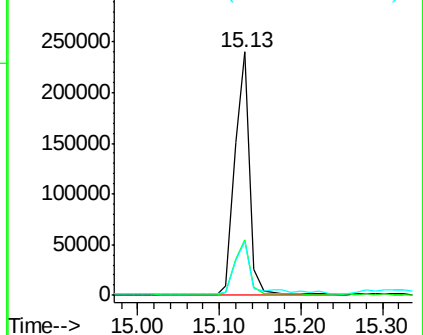
265 22.2 17.8 26.6



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: 6.47 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

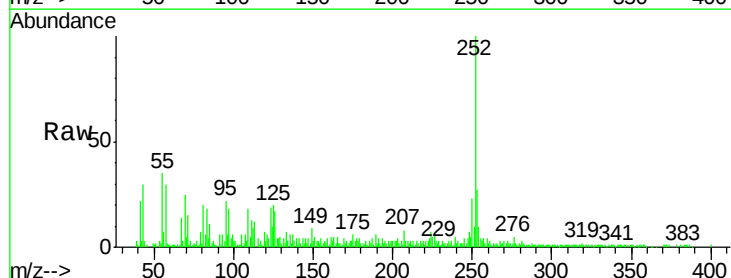
Tgt Ion:252 Resp: 129052

Ion Ratio Lower Upper

252 100

253 27.4 17.3 25.9#

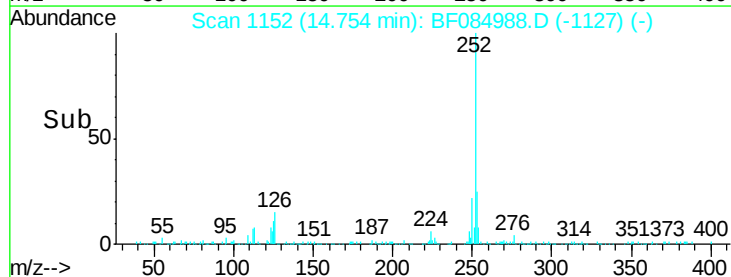
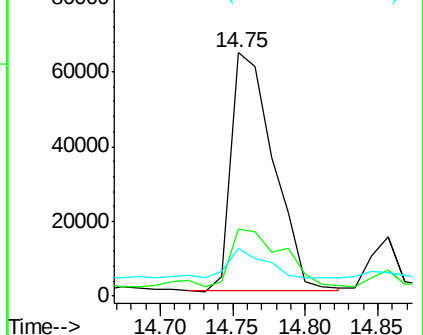
125 19.8 6.5 9.7#

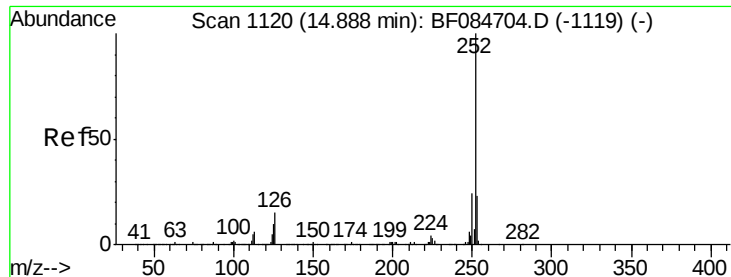


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

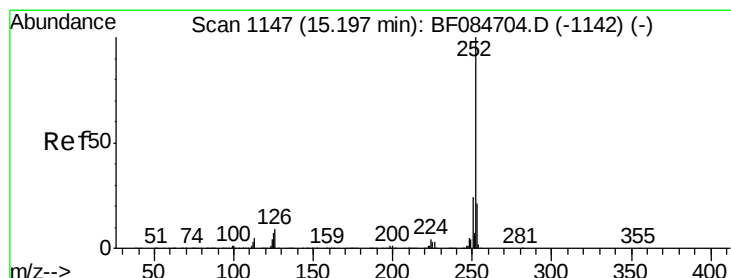
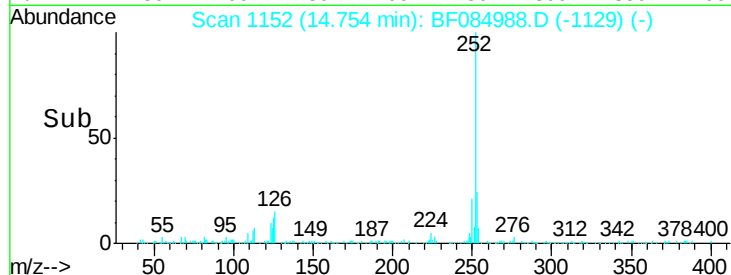
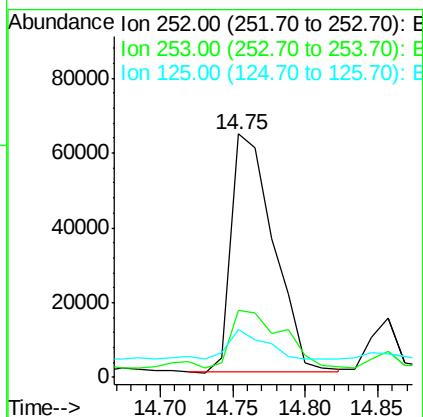
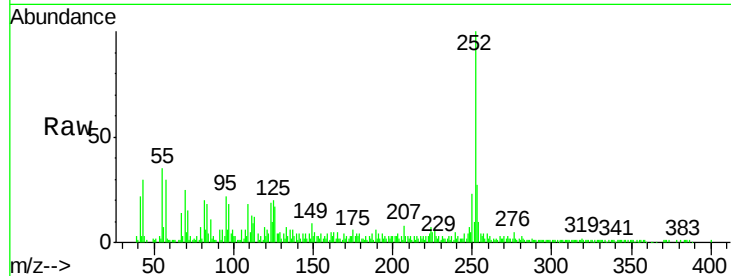




#88
Benzo(k)fluoranthene
Concen: 7.77 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.03 min
Lab File: BF084988.D
Acq: 10 Feb 2016 12:56

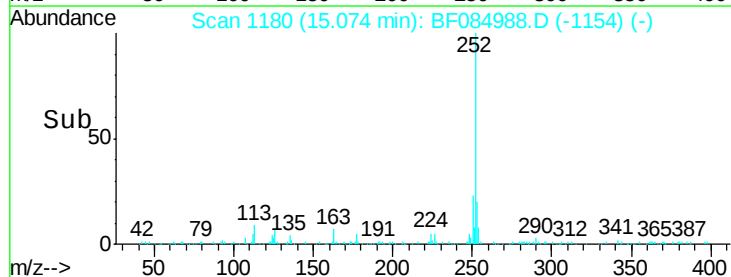
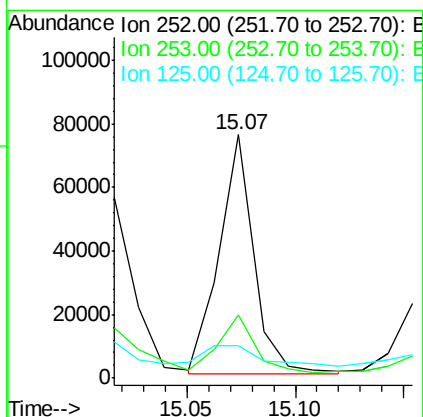
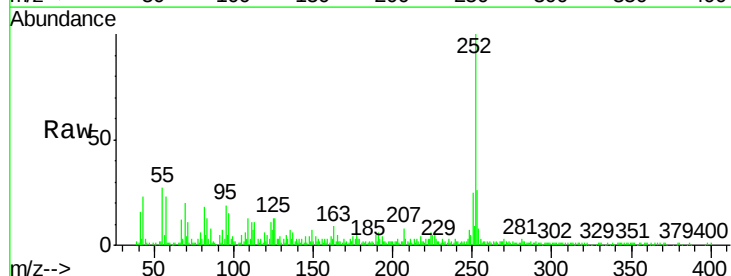
Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

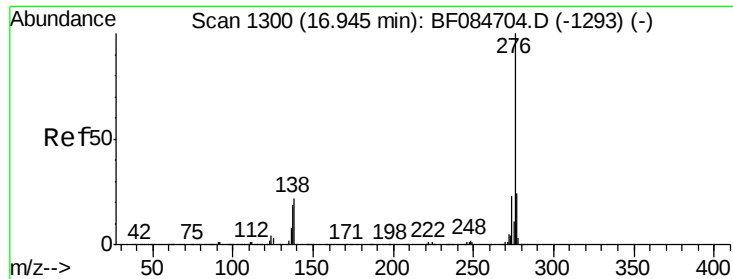
Tgt Ion: 252 Resp: 128129
Ion Ratio Lower Upper
252 100
253 27.4 18.1 27.1#
125 19.8 9.0 13.6#



#89
Benzo(a)pyrene
Concen: 4.90 ng
RT: 15.07 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BF084988.D
Acq: 10 Feb 2016 12:56

Tgt Ion: 252 Resp: 83275
Ion Ratio Lower Upper
252 100
253 25.9 17.3 25.9#
125 13.2 7.0 10.4#





#91

Benzo(g,h,i)perylene

Concen: 3.72 ng

RT: 16.75 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BF084988.D

Acq: 10 Feb 2016 12:56

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

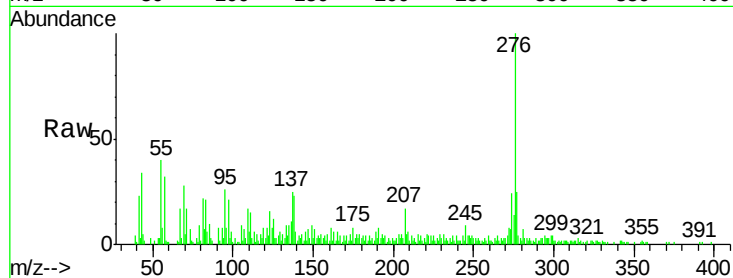
Tgt Ion: 276 Resp: 53524

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 22.6 17.8 26.6



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

