

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032416\
 Data File : BF085754.D
 Acq On : 25 Mar 2016 10:51
 Operator : UM/SJ
 Sample : H1891-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 25 14:11:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	116200	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	384863	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	133702	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	231368	20.00	ng	0.00
75) Chrysene-d12	13.99	240	216249	20.00	ng	0.01
86) Perylene-d12	15.42	264	187440	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	754312	108.11	ng	0.01
7) Phenol-d6	6.46	99	918065	103.49	ng	0.00
23) Nitrobenzene-d5	7.40	82	619299	90.62	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	129740	102.13	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	739416	92.40	ng	0.00
78) Terphenyl-d14	12.93	244	482363	45.87	ng	0.00

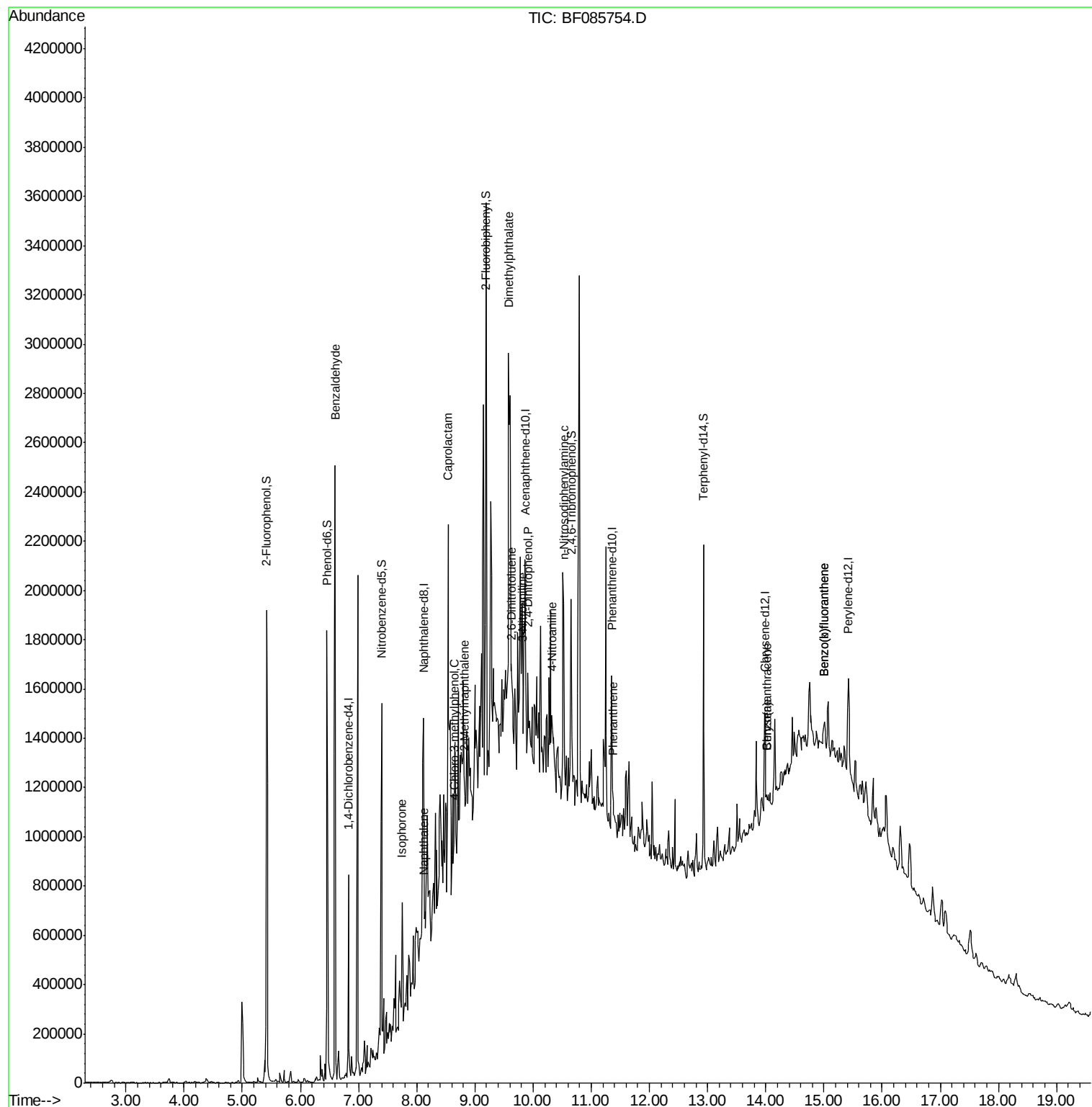
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	18437	3.45	ng	84
25) Isophorone	7.75	82	47330	3.60	ng	# 1
31) Naphthalene	8.13	128	48581	2.51	ng	96
35) Caprolactam	8.54	113	45805	24.97	ng	# 10
36) 4-Chloro-3-methylphenol	8.64	107	21623	3.57	ng	# 21
37) 2-Methylnaphthalene	8.82	142	58699	3.29	ng	97
49) Dimethylphthalate	9.58	163	163824	16.15	ng	# 74
50) 2,6-Dinitrotoluene	9.64	165	13199	6.05	ng	# 27
52) 3-Nitroaniline	9.82	138	18187	7.28	ng	# 14
53) 2,4-Dinitrophenol	9.91	184	226	6.23	ng	# 1
61) 4-Nitroaniline	10.32	138	11045	4.62	ng	90
65) n-Nitrosodiphenylamine	10.53	169	15081	2.06	ng	# 54
70) Phenanthrene	11.37	178	40535	3.41	ng	# 89
80) Benzo(a)anthracene	14.01	228	47764	3.87	ng	# 68
82) Chrysene	14.01	228	49310	3.97	ng	# 73
87) Benzo(b)fluoranthene	15.01	252	28693	2.43	ng	# 3
88) Benzo(k)fluoranthene	15.01	252	28693	2.70	ng	# 1

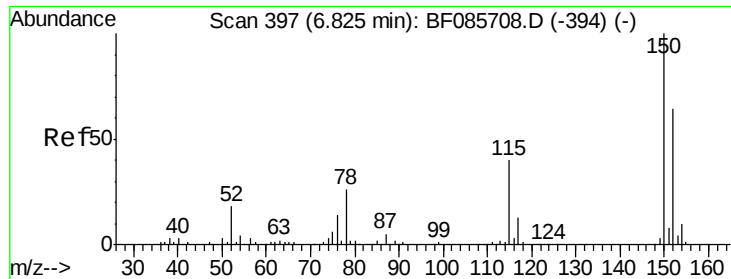
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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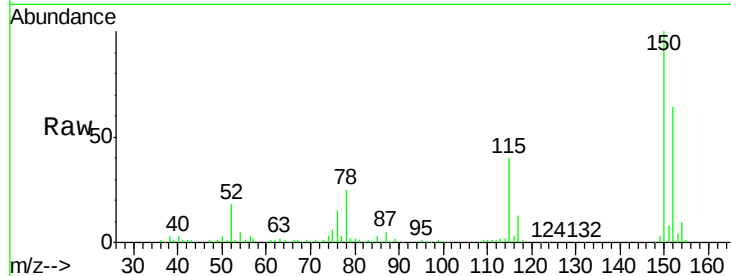


#1

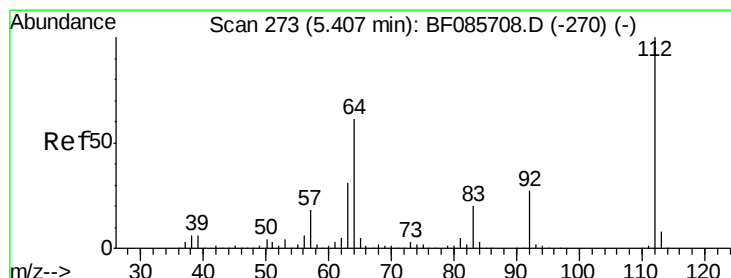
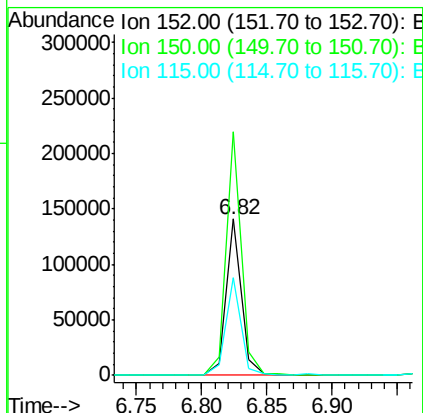
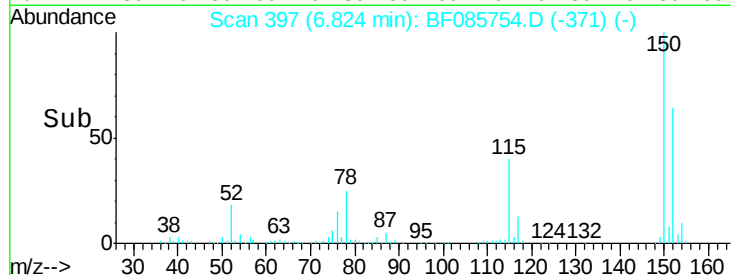
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116200
Ion Ratio Lower Upper
152 100
150 155.6 124.2 186.2
115 62.5 47.0 70.6



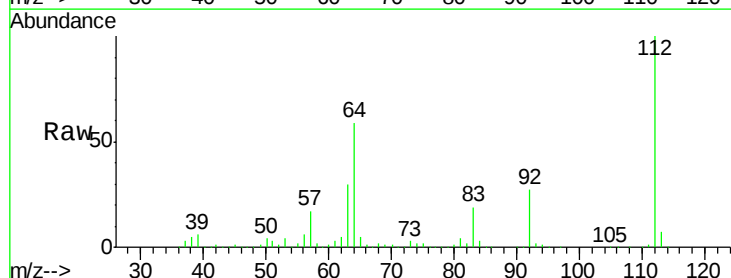
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



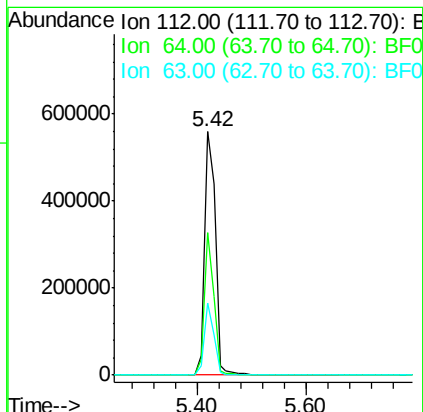
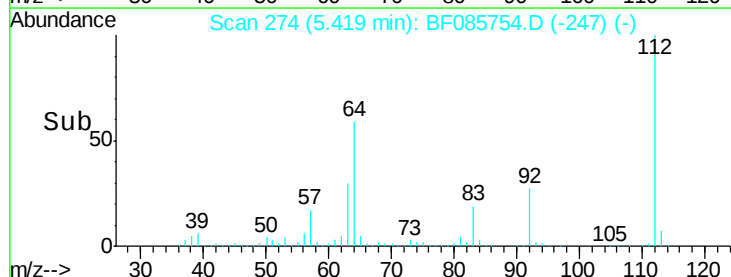
#5

2-Fluorophenol
Concen: 108.11 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

Tgt Ion:112 Resp: 754312
Ion Ratio Lower Upper
112 100
64 58.6 39.9 59.9
63 29.6 20.2 30.2



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: 103.49 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

Instrument :

BNA_F

ClientSampleId :

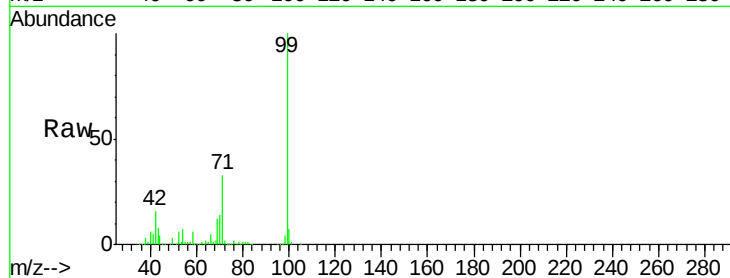
Tot Ion: 99 Resp: 918065

Ion Ratio Lower Upper

99 100

42 16.0 11.1 16.7

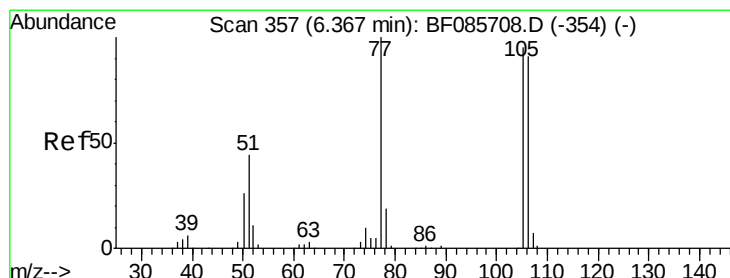
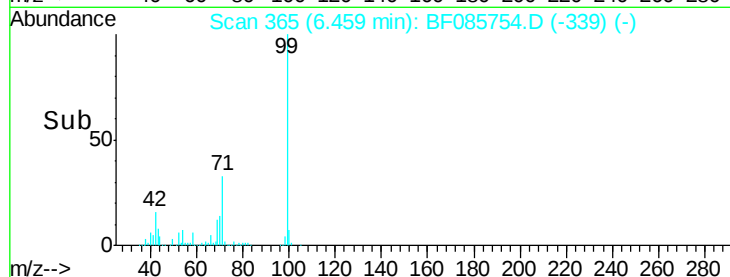
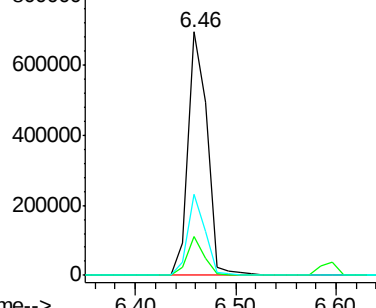
71 33.4 24.9 37.3



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: 3.45 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

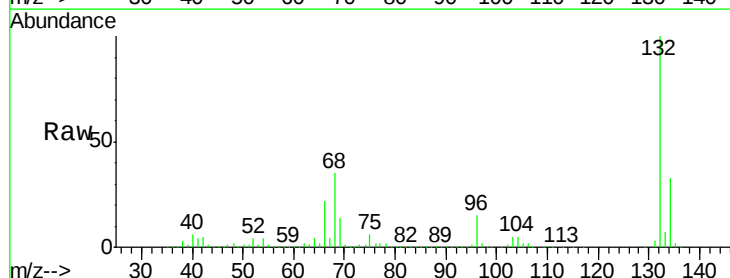
Tgt Ion: 77 Resp: 18437

Ion Ratio Lower Upper

77 100

105 85.0 80.1 120.1

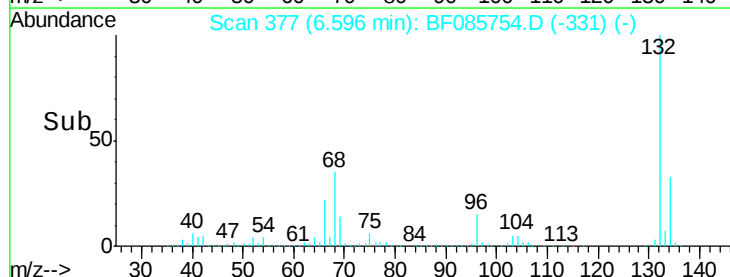
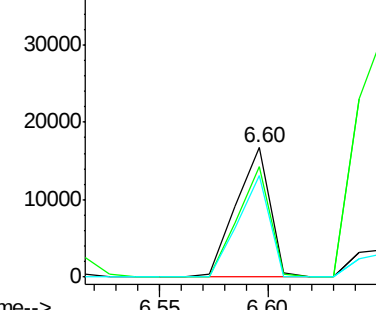
106 78.4 75.0 115.0

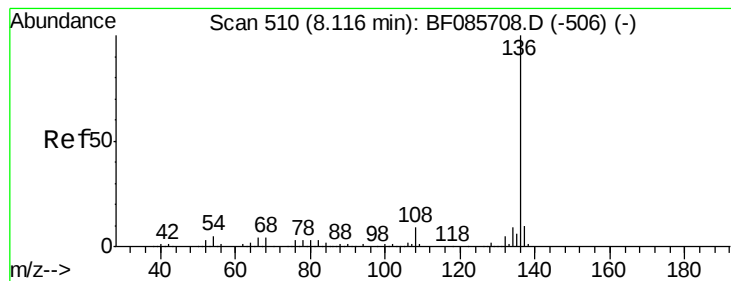


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 384863

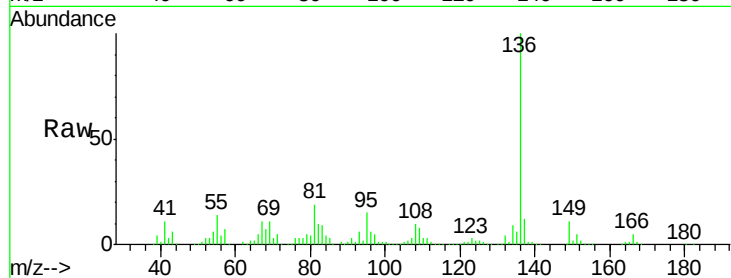
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 6.5 7.4 11.0#

68 7.3 5.8 8.8

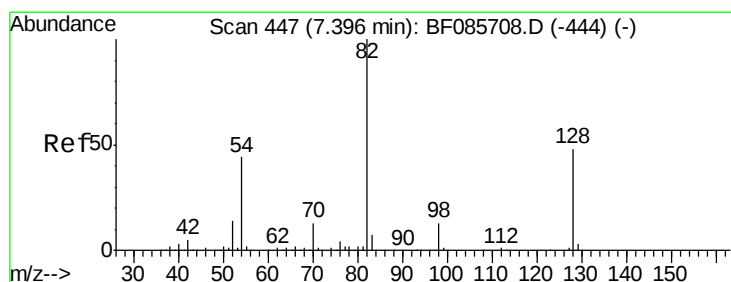
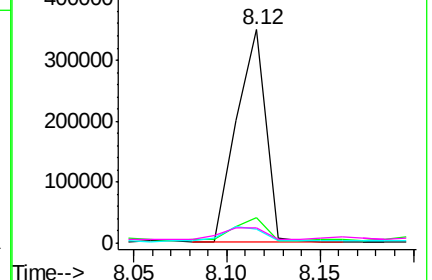
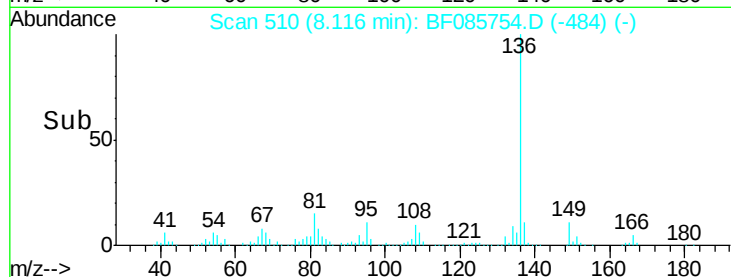


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.62 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

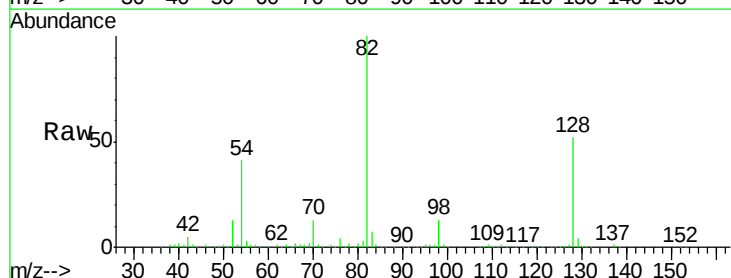
Tgt Ion: 82 Resp: 619299

Ion Ratio Lower Upper

82 100

128 52.1 41.8 62.8

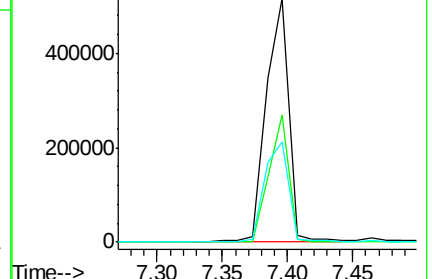
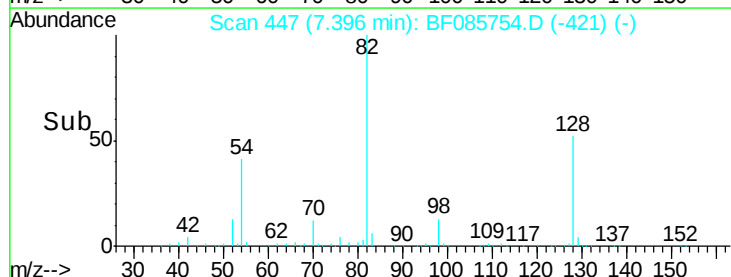
54 41.0 33.4 50.0

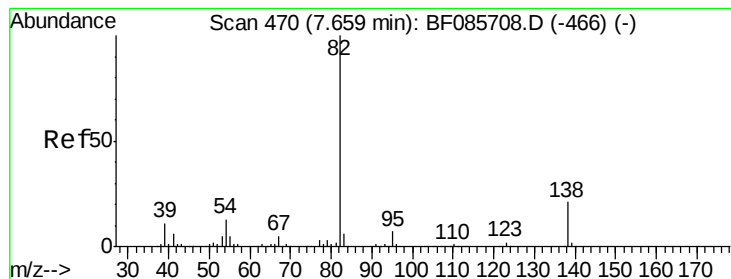


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 3.60 ng

RT: 7.75 min Scan# 478

Delta R.T. 0.09 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

Instrument :

BNA_F

ClientSampleId :

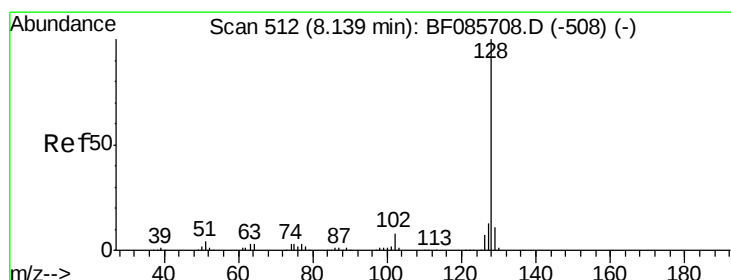
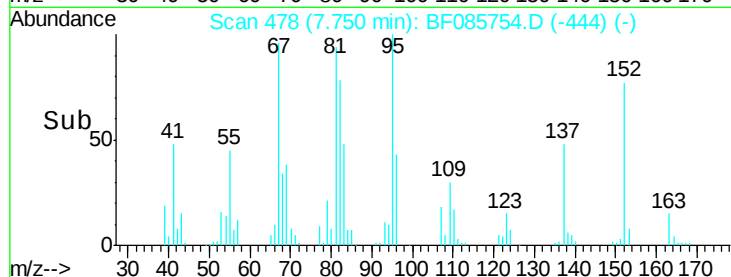
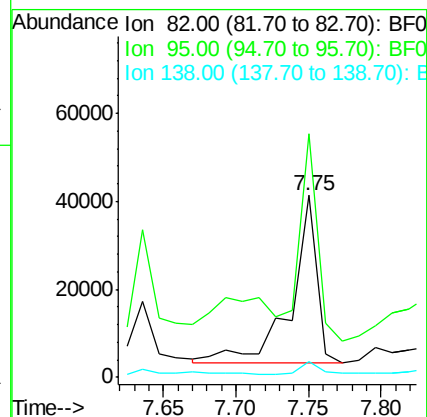
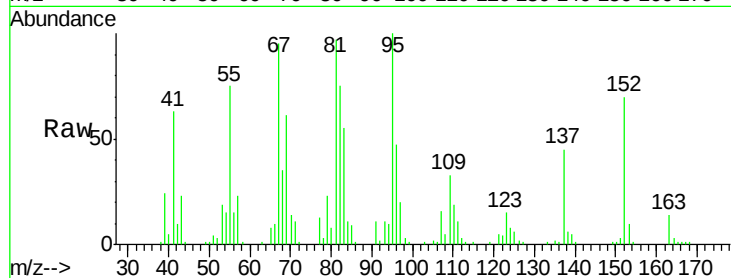
Tot Ion: 82 Resp: 47330

Ion Ratio Lower Upper

82 100

95 133.7 5.4 8.2#

138 8.6 12.9 19.3#



#31

Naphthalene

Concen: 2.51 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

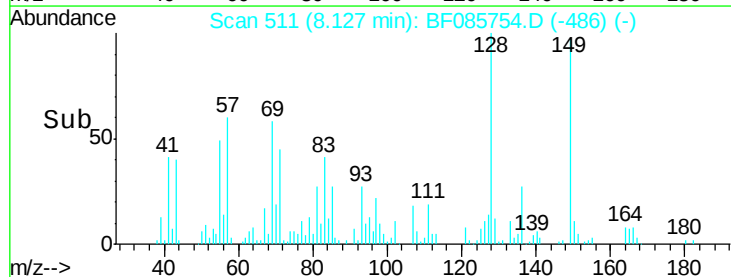
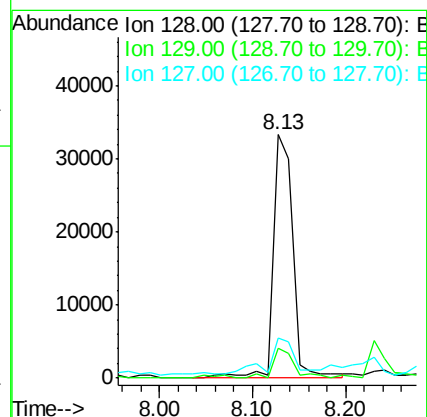
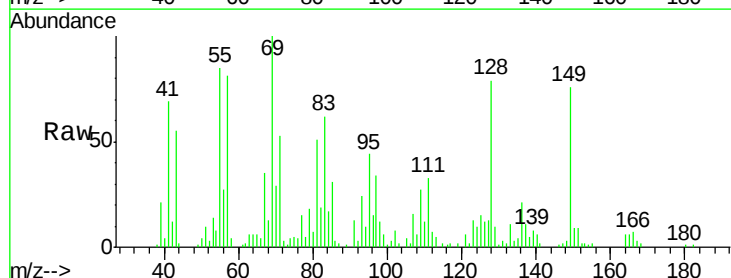
Tgt Ion: 128 Resp: 48581

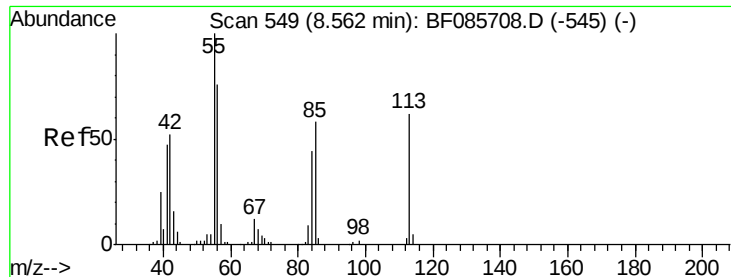
Ion Ratio Lower Upper

128 100

129 12.1 9.4 14.0

127 16.2 11.0 16.6





#35

Caprolactam

Concen: 24.97 ng

RT: 8.54 min Scan# 547

Delta R.T. -0.02 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

Instrument :

BNA_F

ClientSampleId :

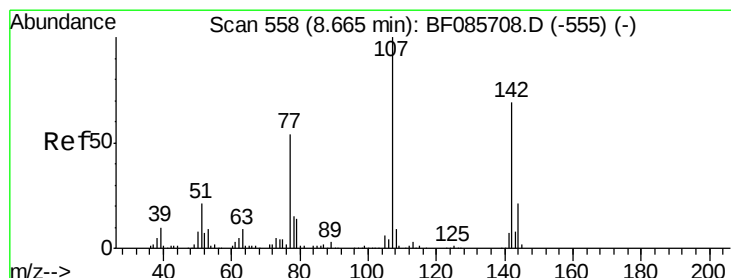
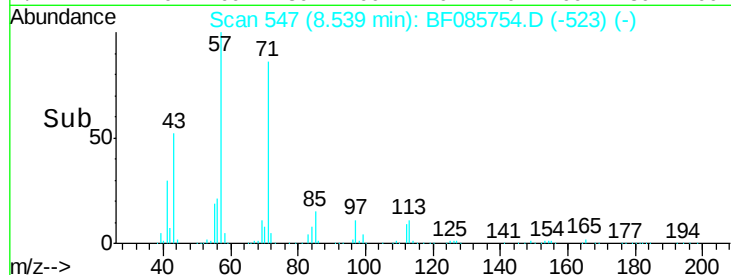
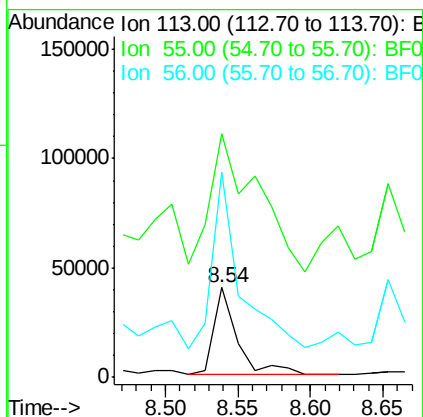
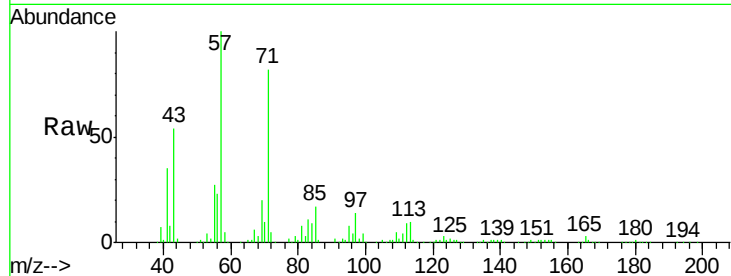
Tot Ion:113 Resp: 45805

Ion Ratio Lower Upper

113 100

55 271.3 139.4 179.4#

56 227.9 100.4 140.4#



#36

4-Chloro-3-methylphenol

Concen: 3.57 ng

RT: 8.64 min Scan# 556

Delta R.T. -0.02 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

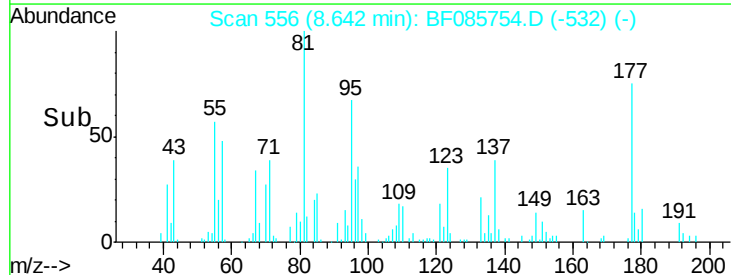
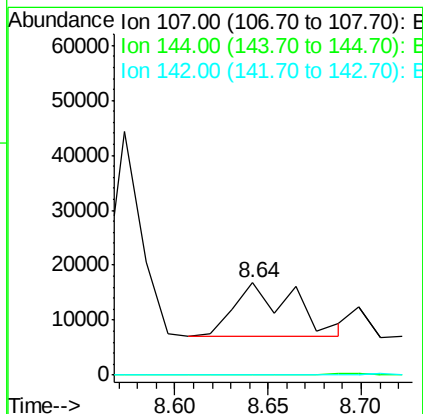
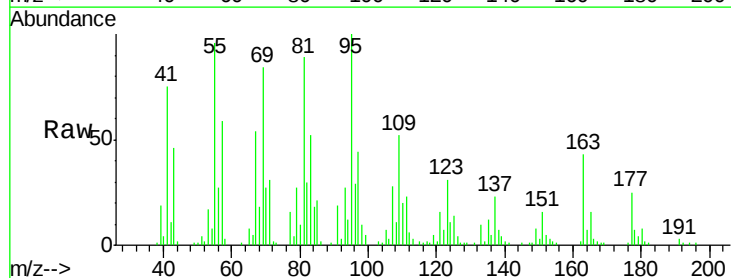
Tgt Ion:107 Resp: 21623

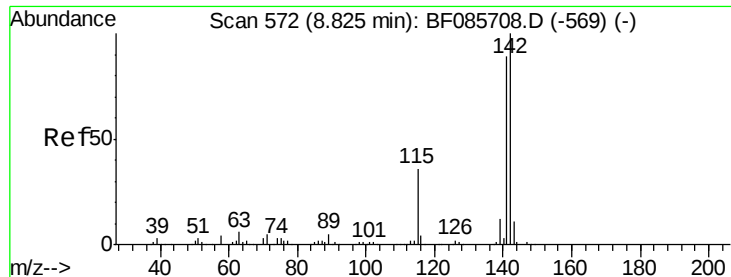
Ion Ratio Lower Upper

107 100

144 0.0 19.3 28.9#

142 0.0 61.4 92.0#

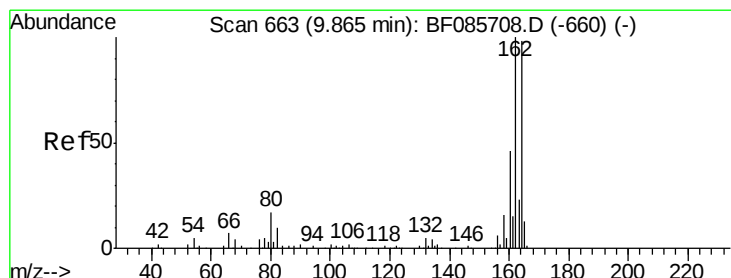
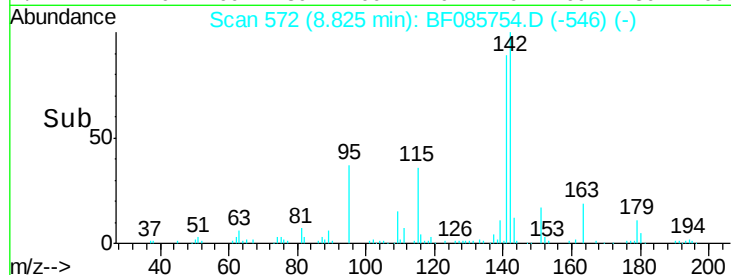
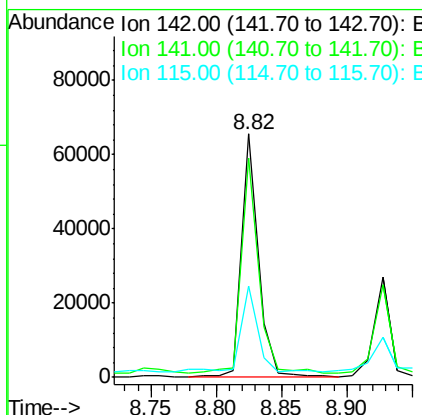
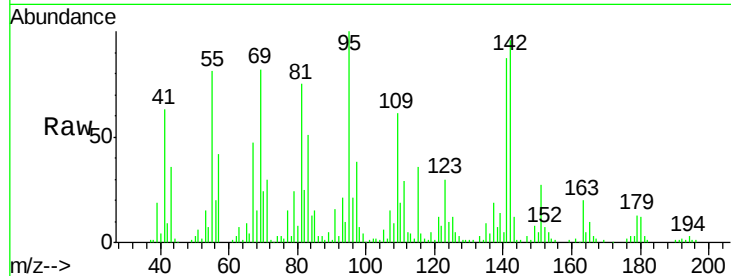




#37
2-Methylnaphthalene
Concen: 3.29 ng
RT: 8.82 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

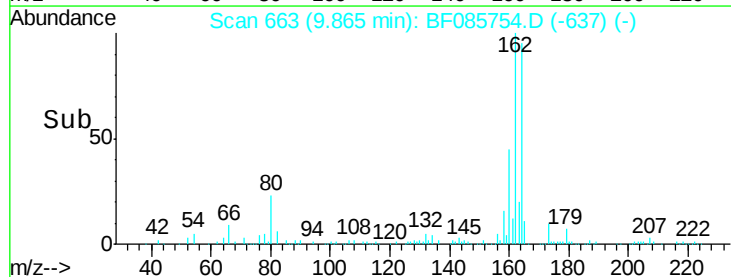
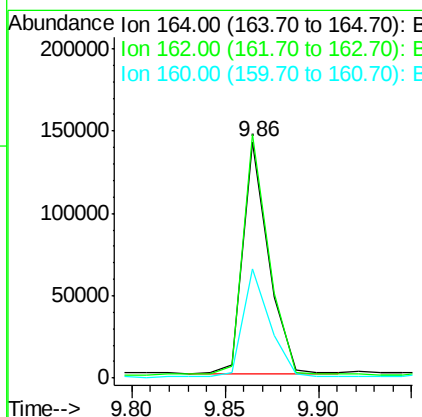
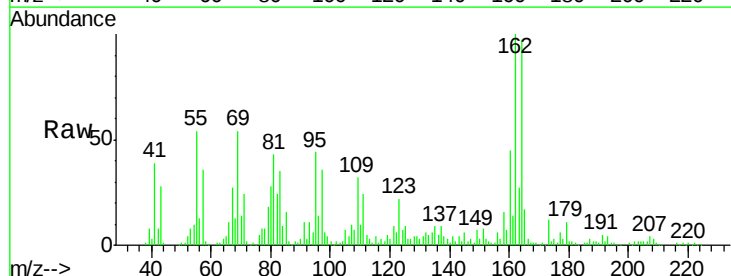
Instrument :
BNA_F
ClientSampleId :

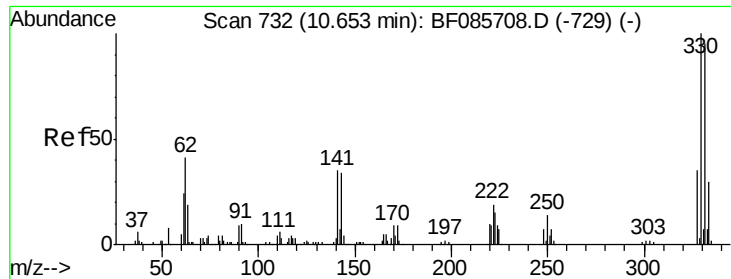
Tot Ion:142 Resp: 58699
Ion Ratio Lower Upper
142 100
141 90.3 71.6 107.4
115 37.7 26.8 40.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

Tgt Ion:164 Resp: 133702
Ion Ratio Lower Upper
164 100
162 102.9 82.1 123.1
160 46.1 37.4 56.2

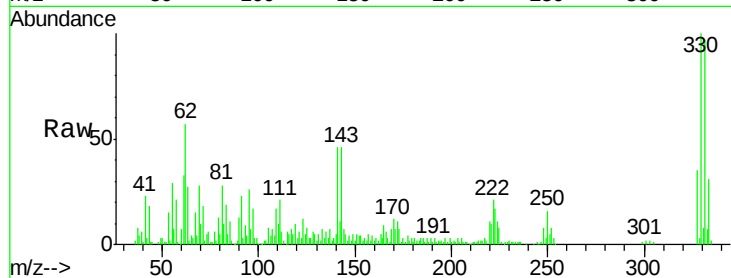




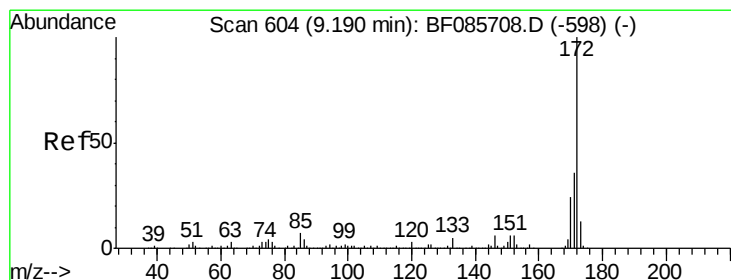
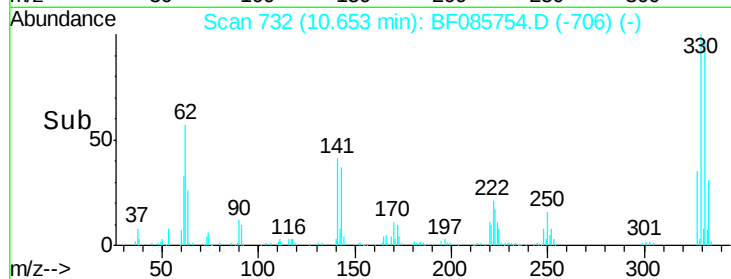
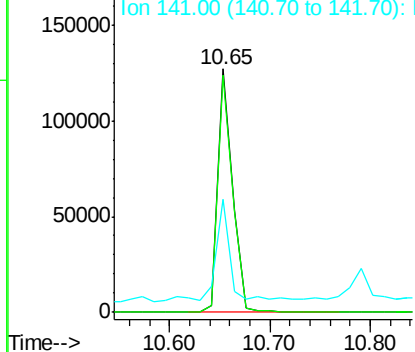
#41
 2,4,6-Tribromophenol
 Concen: 102.13 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085754.D
 Acq: 25 Mar 2016 10:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.2	117.2
141	41.8	31.5	47.3

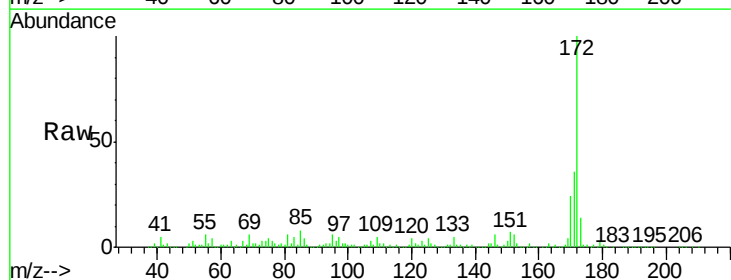


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

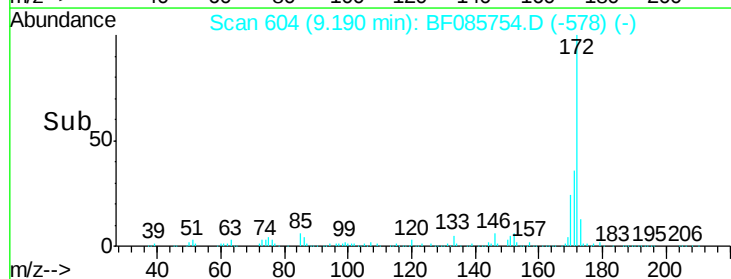
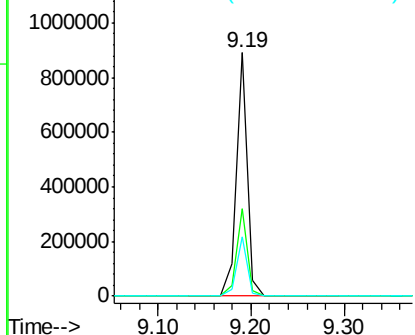


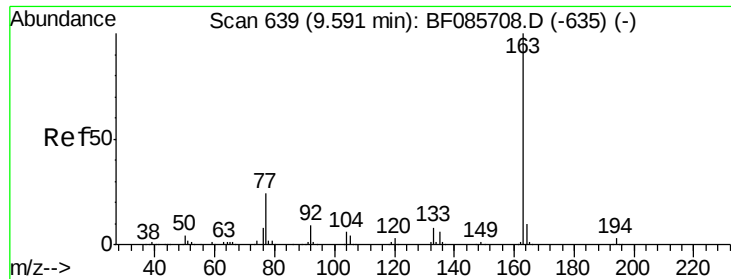
#44
 2-Fluorobiphenyl
 Concen: 92.40 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085754.D
 Acq: 25 Mar 2016 10:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	24.2	19.8	29.6



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

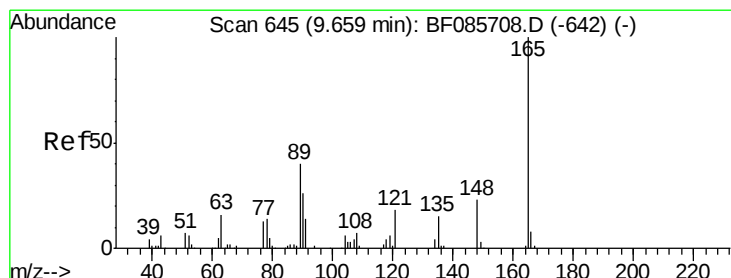
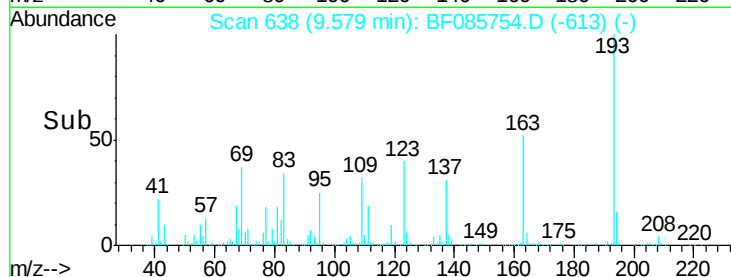
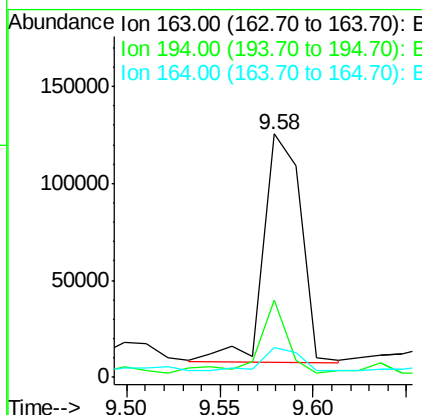
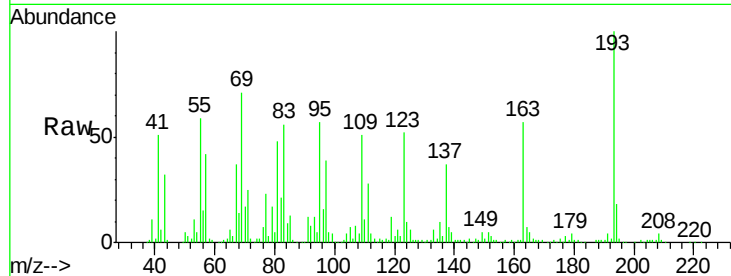




#49
Dimethylphthalate
Concen: 16.15 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

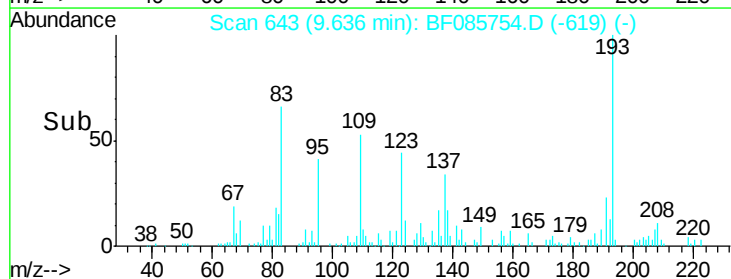
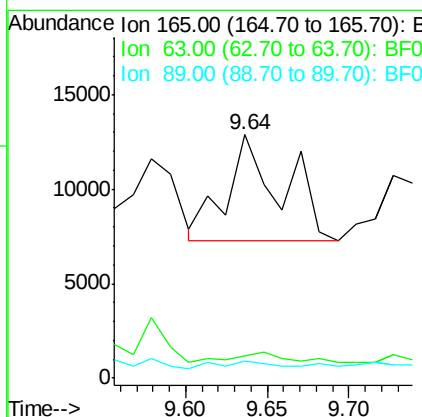
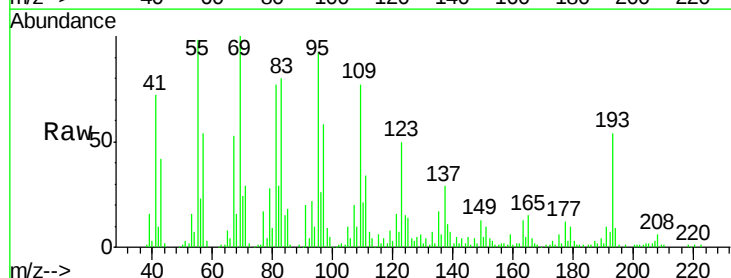
Instrument :
BNA_F
ClientSampleId :

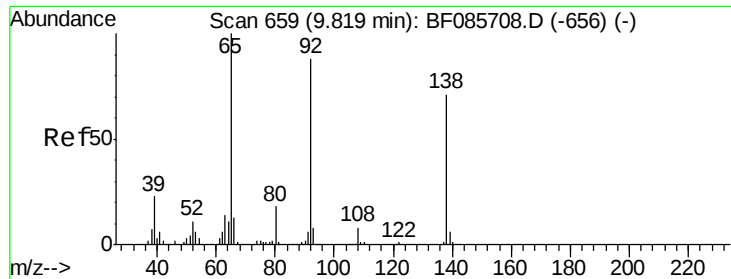
Tot Ion:163 Resp: 163824
Ion Ratio Lower Upper
163 100
194 31.7 2.9 4.3#
164 12.2 8.3 12.5



#50
2,6-Dinitrotoluene
Concen: 6.05 ng
RT: 9.64 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

Tgt Ion:165 Resp: 13199
Ion Ratio Lower Upper
165 100
63 9.3 51.8 77.8#
89 7.1 53.7 80.5#





#52

3-Nitroaniline

Concen: 7.28 ng

RT: 9.82 min Scan# 659

Delta R.T. -0.00 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

Instrument :

BNA_F

ClientSampleId :

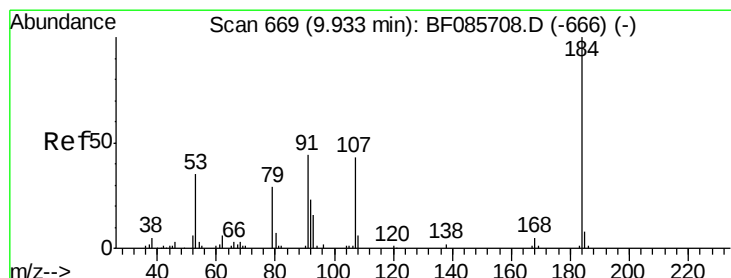
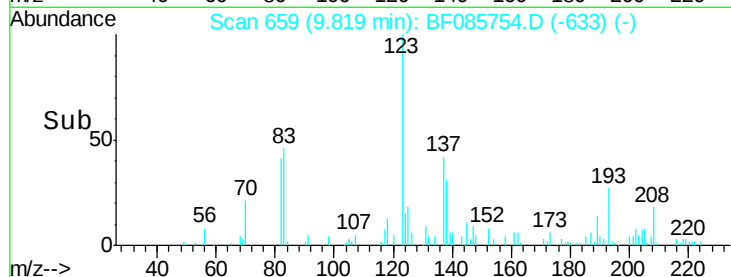
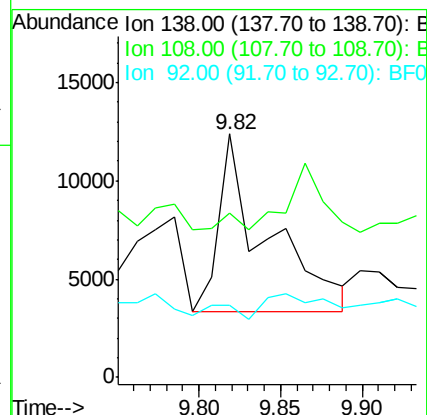
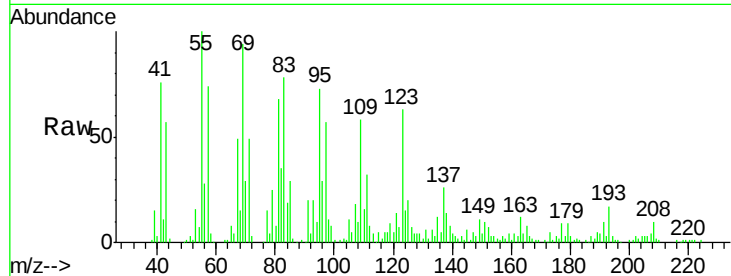
Tot Ion:138 Resp: 18187

Ion Ratio Lower Upper

138 100

108 67.6 8.7 13.1#

92 29.7 93.3 139.9#



#53

2,4-Dinitrophenol

Concen: 6.23 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

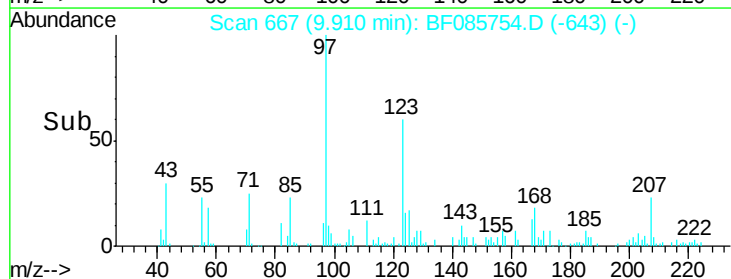
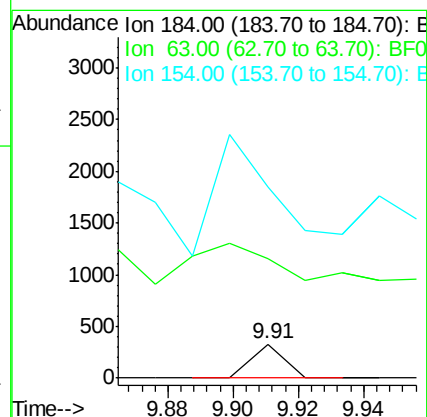
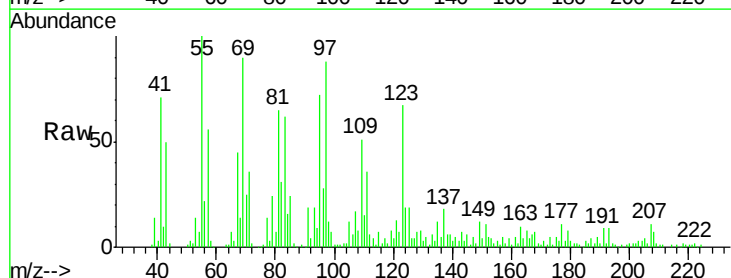
Tgt Ion:184 Resp: 226

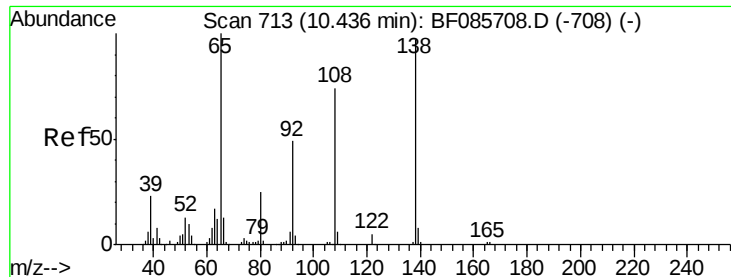
Ion Ratio Lower Upper

184 100

63 351.1 69.5 104.3#

154 560.8 58.3 87.5#

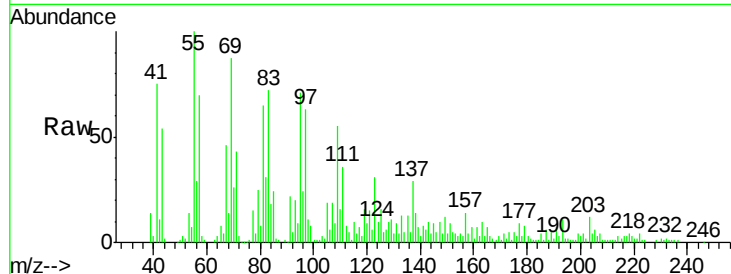




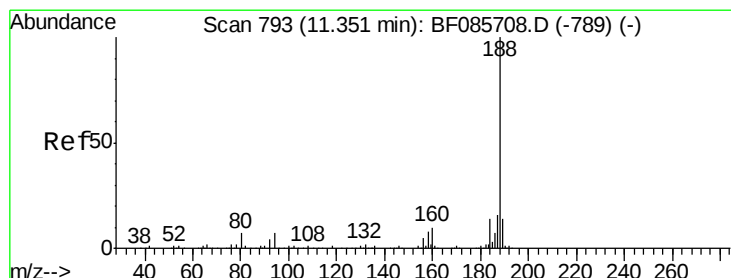
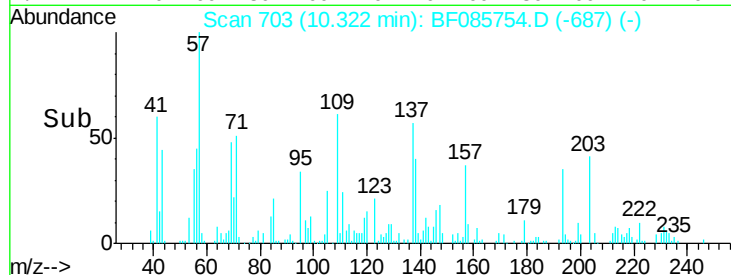
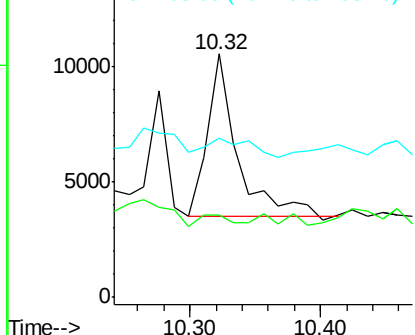
#61
4-Nitroaniline
Concen: 4.62 ng
RT: 10.32 min Scan# 703
Delta R.T. -0.11 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 11045
Ion Ratio Lower Upper
138 100
92 33.7 26.4 66.4
108 65.5 49.0 89.0

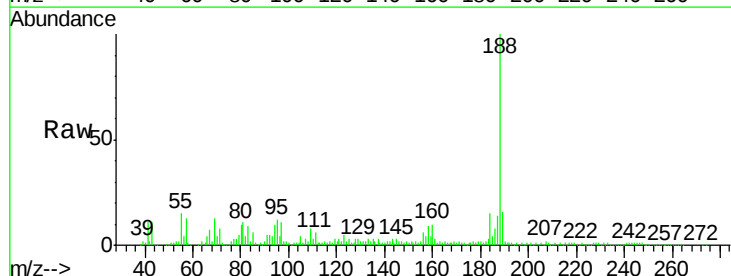


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

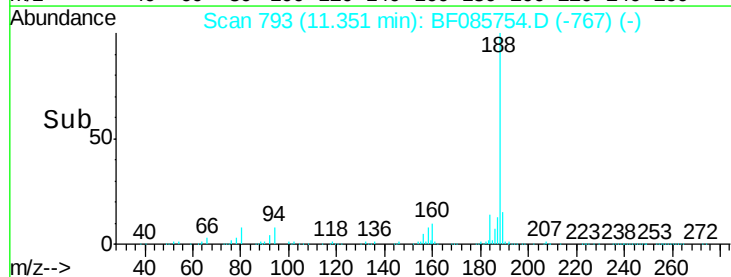
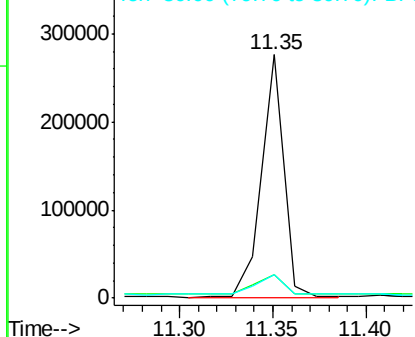


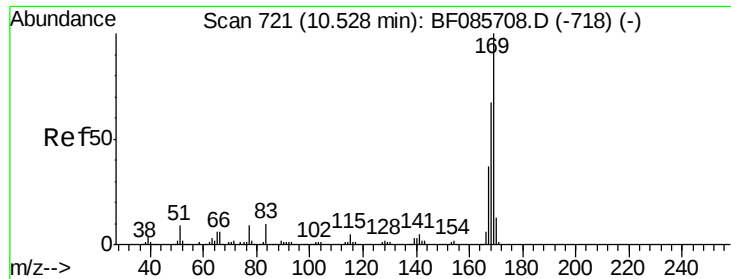
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

Tgt Ion:188 Resp: 231368
Ion Ratio Lower Upper
188 100
94 9.7 5.4 8.0#
80 9.6 5.5 8.3#



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





#65

n-Nitrosodiphenylamine

Concen: 2.06 ng

RT: 10.53 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

Instrument :

BNA_F

ClientSampleId :

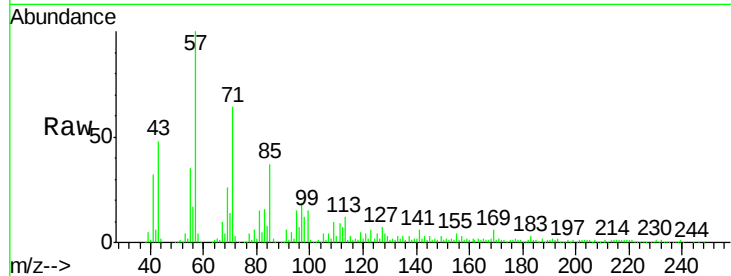
Tot Ion:169 Resp: 15081

Ion Ratio Lower Upper

169 100

168 27.9 54.4 81.6#

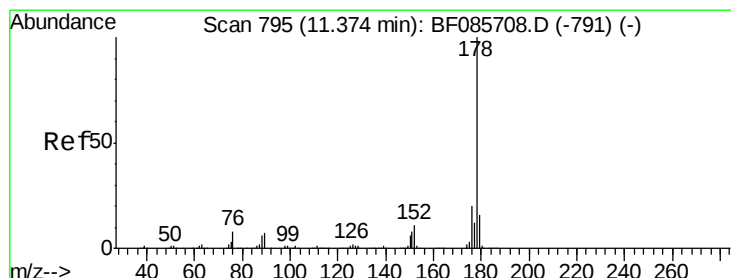
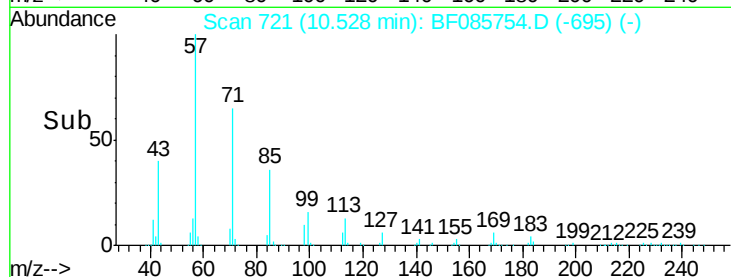
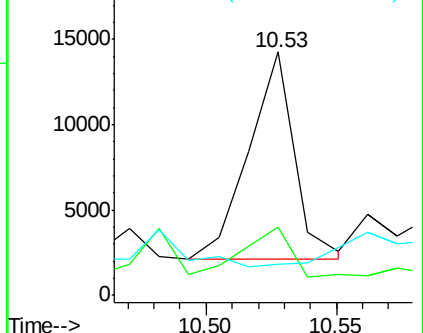
167 13.0 29.4 44.0#



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



#70

Phenanthrene

Concen: 3.41 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

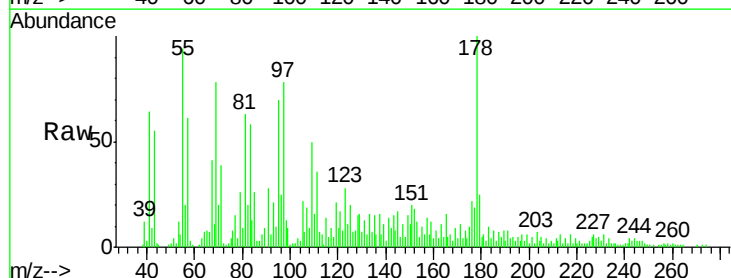
Tgt Ion:178 Resp: 40535

Ion Ratio Lower Upper

178 100

176 22.0 16.3 24.5

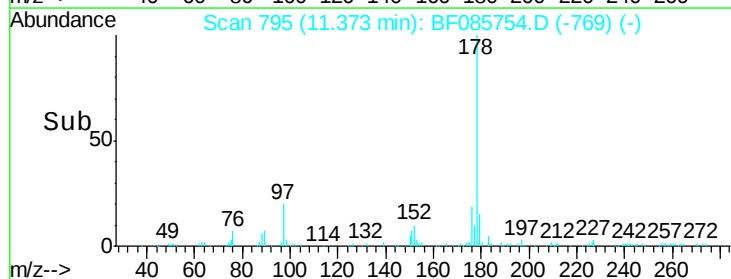
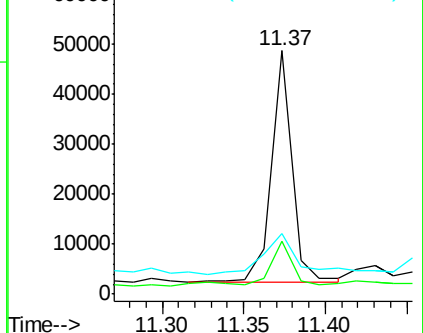
179 24.7 12.6 18.8#

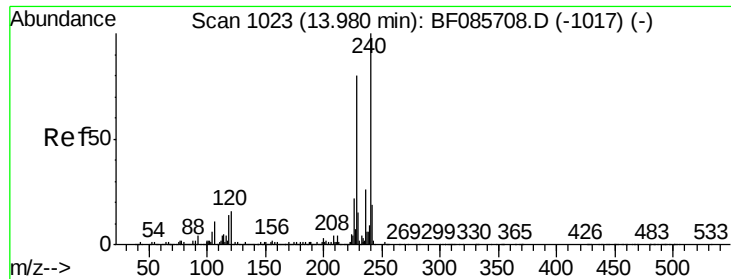


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

Instrument :

BNA_F

ClientSampleId :

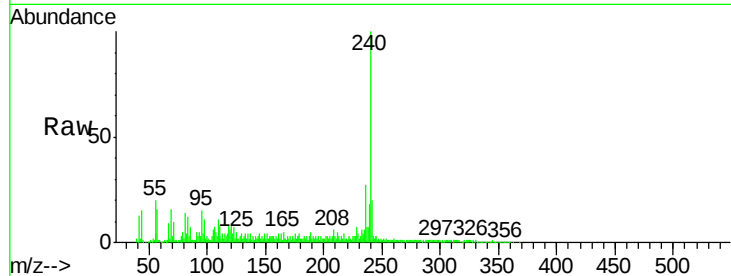
Tot Ion:240 Resp: 216249

Ion Ratio Lower Upper

240 100

120 9.4 13.8 20.8#

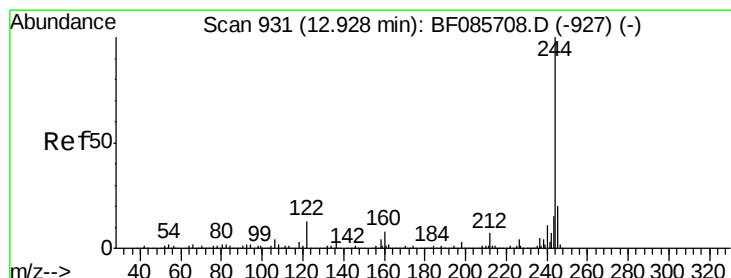
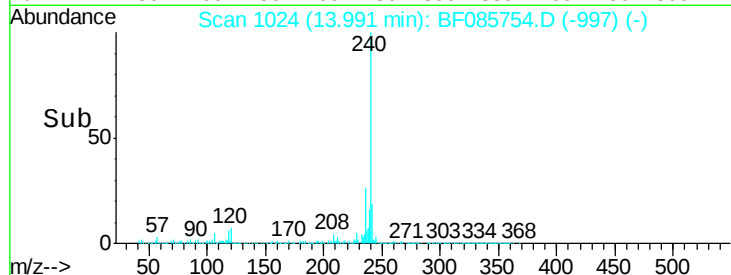
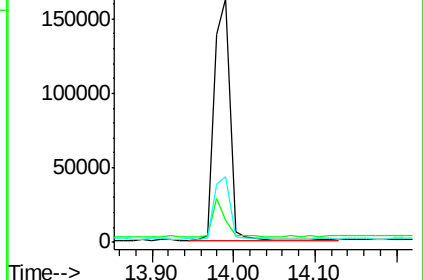
236 26.9 20.6 30.8



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



#78

Terphenyl-d14

Concen: 45.87 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

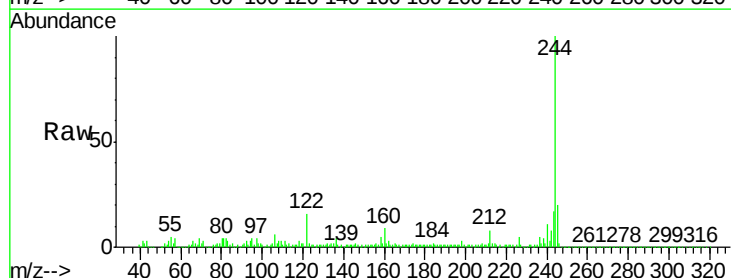
Tgt Ion:244 Resp: 482363

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

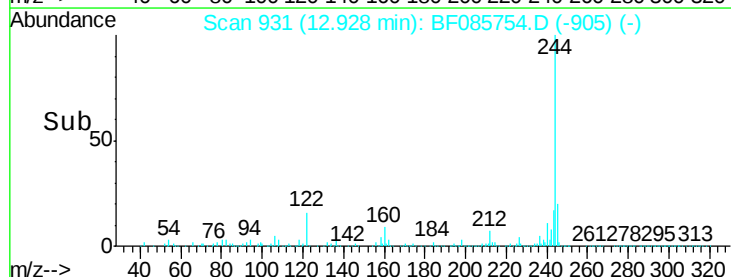
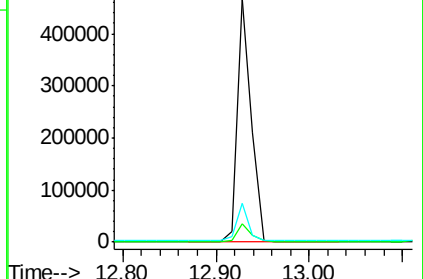
122 16.1 10.2 15.4#

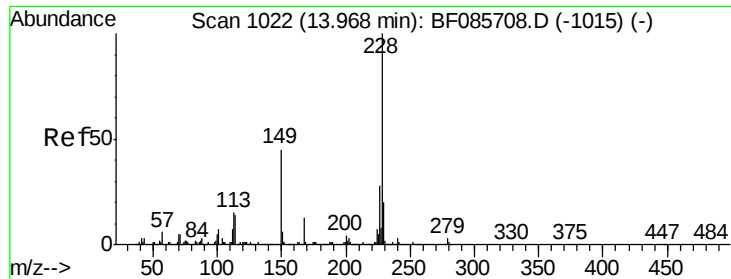


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

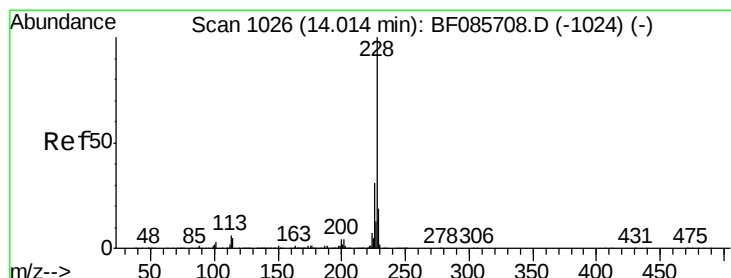
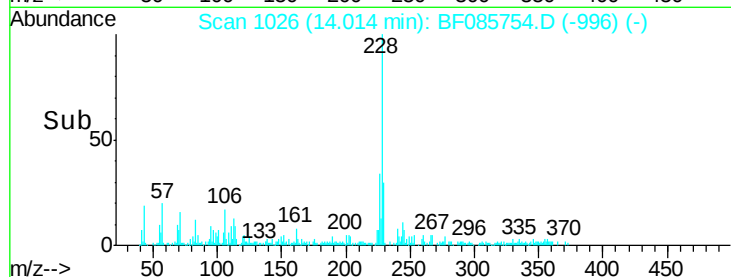
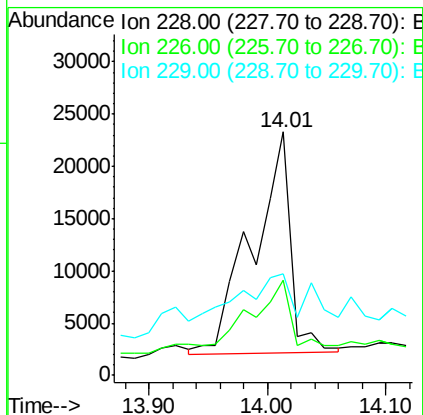
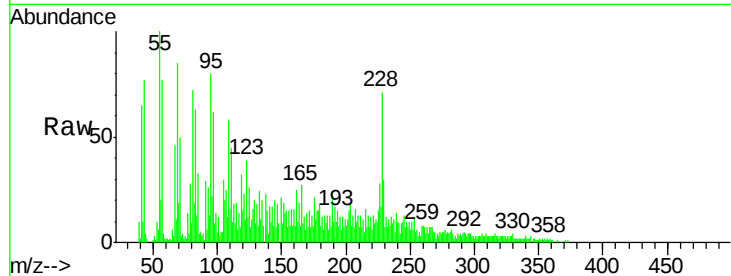




#80
Benzo(a)anthracene
Concen: 3.87 ng
RT: 14.01 min Scan# 1026
Delta R.T. 0.05 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

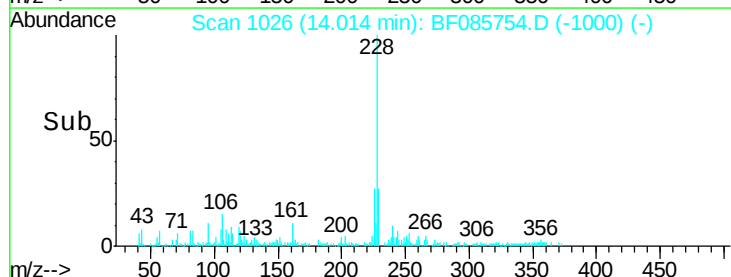
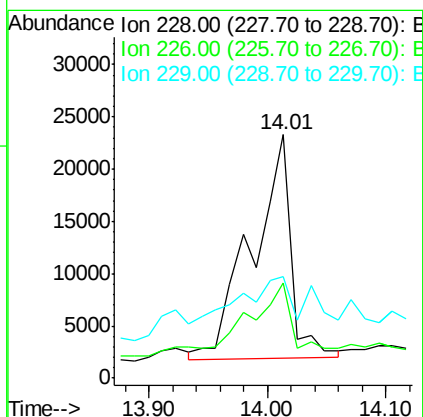
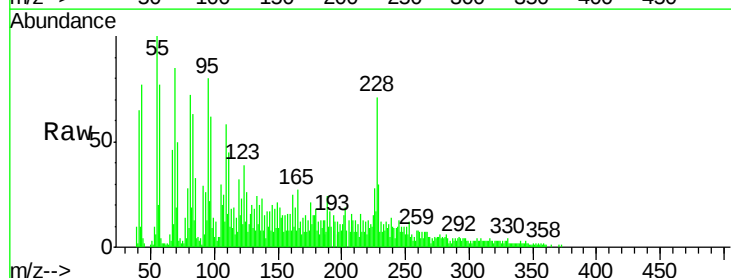
Instrument :
BNA_F
ClientSampleId :

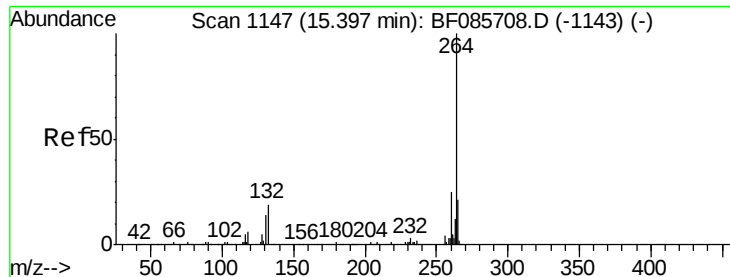
Tot Ion:228 Resp: 47764
Ion Ratio Lower Upper
228 100
226 39.1 22.1 33.1#
229 41.5 16.2 24.4#



#82
Chrysene
Concen: 3.97 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

Tgt Ion:228 Resp: 49310
Ion Ratio Lower Upper
228 100
226 39.1 25.0 37.6#
229 41.5 15.7 23.5#

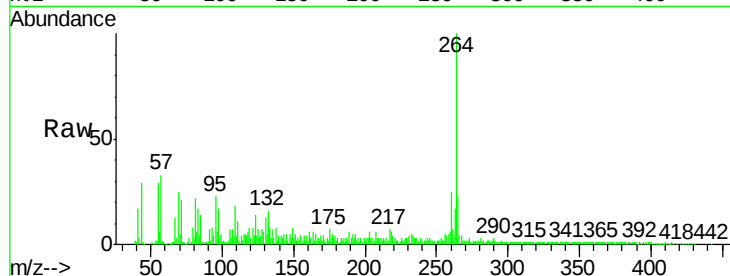




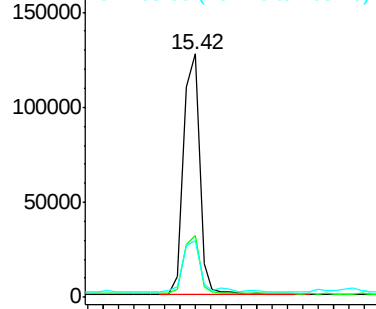
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. 0.02 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

Instrument :
BNA_F
ClientSampleId :

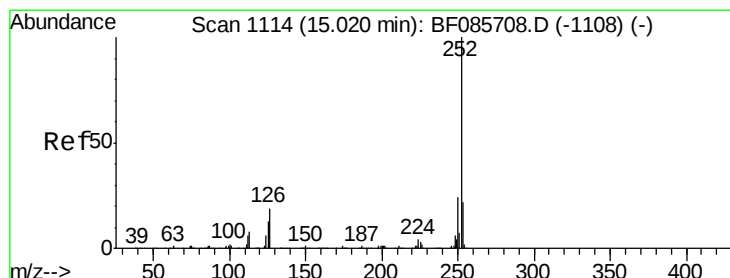
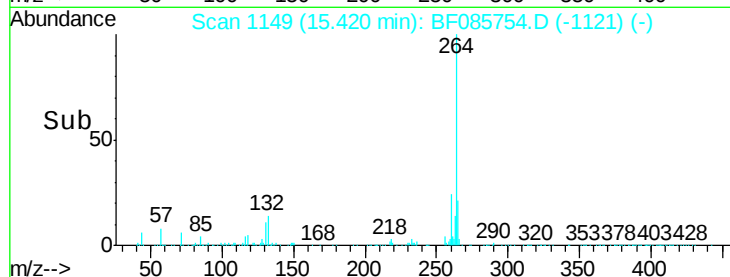
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	23.3	17.2	25.8



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

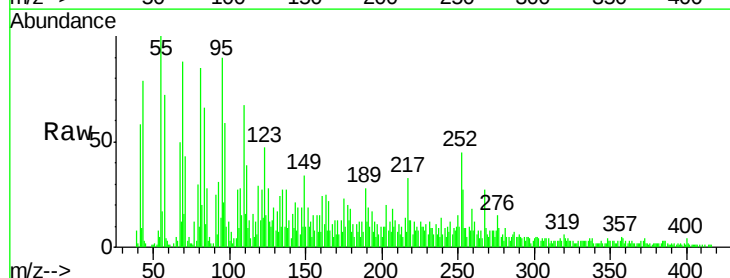


Time--> 15.30 15.40 15.50 15.60

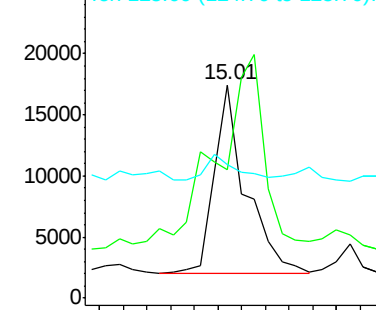


#87
Benzo(b)fluoranthene
Concen: 2.43 ng
RT: 15.01 min Scan# 1113
Delta R.T. 0.01 min
Lab File: BF085754.D
Acq: 25 Mar 2016 10:51

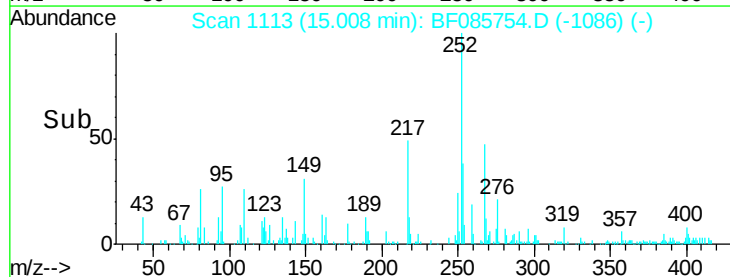
Tgt Ion	Ratio	Lower	Upper
252	100		
253	60.4	17.6	26.4#
125	62.4	10.3	15.5#

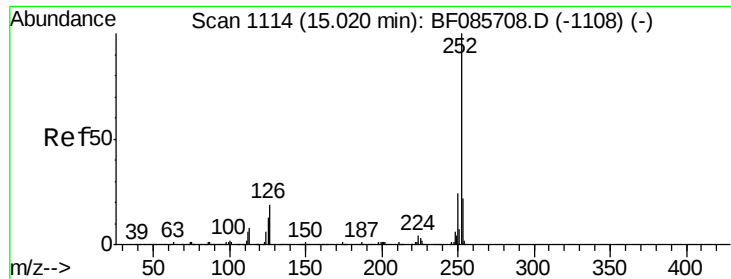


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 14.90 15.00 15.10





#88

Benzo(k)fluoranthene

Concen: 2.70 ng

RT: 15.01 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BF085754.D

Acq: 25 Mar 2016 10:51

Instrument :

BNA_F

ClientSampleId :

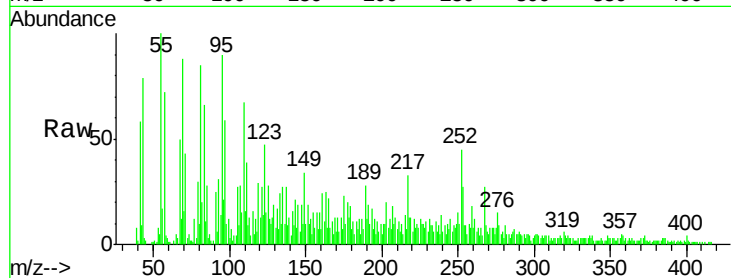
Tot Ion:252 Resp: 28693

Ion Ratio Lower Upper

252 100

253 60.4 17.8 26.6#

125 62.4 7.7 11.5#



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

