

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085401.D
 Acq On : 12 Mar 2016 6:11
 Operator : UM/SJ
 Sample : H1754-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

Quant Time: Mar 14 00:43:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

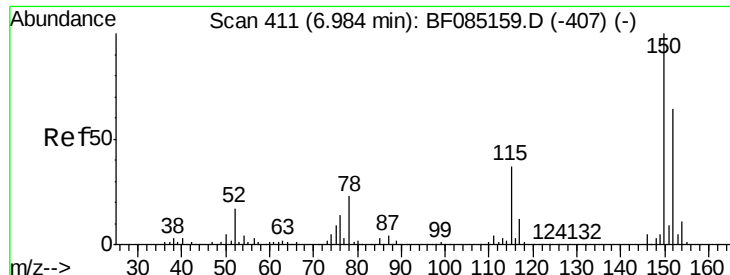
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	155081	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	568176	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	243776	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	362445	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	288454	20.00	ng	-0.05
86) Perylene-d12	15.57	264	265398	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1219295	131.88	ng	-0.03
7) Phenol-d6	6.57	99	1819415	150.21	ng	-0.03
23) Nitrobenzene-d5	7.50	82	924772	87.10	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	260393	124.83	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1554430	96.97	ng	-0.05
78) Terphenyl-d14	13.05	244	978340	78.73	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.71	77	30703	2.52	ng	91
15) Benzyl Alcohol	7.09	79	18503	2.08	ng	# 51
19) n-Nitroso-di-n-propylamine	7.50	70	124633	15.79	ng	# 78
25) Isophorone	7.50	82	731115	37.16	ng	# 67
49) Dimethylphthalate	9.69	163	182818	9.77	ng	99
56) 2,4-Dinitrotoluene	9.98	165	31853	6.22	ng	# 22
66) 4-Bromophenyl-phenylether	10.77	248	19518	5.55	ng	# 1
70) Phenanthrene	11.49	178	319623	16.83	ng	98
71) Anthracene	11.53	178	90507	4.49	ng	99
74) Fluoranthene	12.68	202	474513	24.89	ng	98
77) Pyrene	12.90	202	423852	19.52	ng	98
80) Benzo(a)anthracene	14.09	228	274848	15.92	ng	98
82) Chrysene	14.13	228	182694	11.45	ng	97
83) Bis(2-ethylhexyl)phthalate	14.08	149	65440	5.05	ng	100
85) Indeno(1,2,3-cd)pyrene	17.03	276	93991	7.55	ng	92
87) Benzo(b)fluoranthene	15.15	252	371058	20.98	ng	99
88) Benzo(k)fluoranthene	15.15	252	371058	26.01	ng	99
89) Benzo(a)pyrene	15.51	252	188299	12.85	ng	97
91) Benzo(g,h,i)perylene	17.47	276	86068	6.84	ng	99

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

```
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Operator  : UM/SJ  
Sample    : H1754-10  
Misc      :  
ALS Vial  : 27    Sample Multiplier: 1
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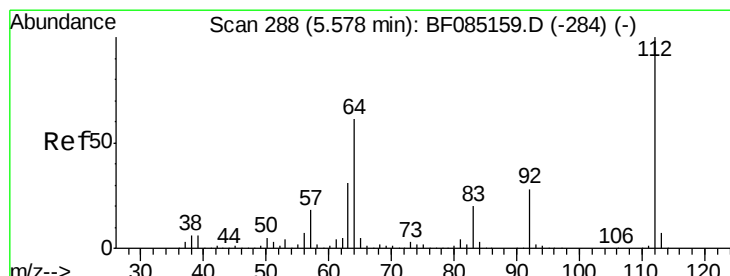
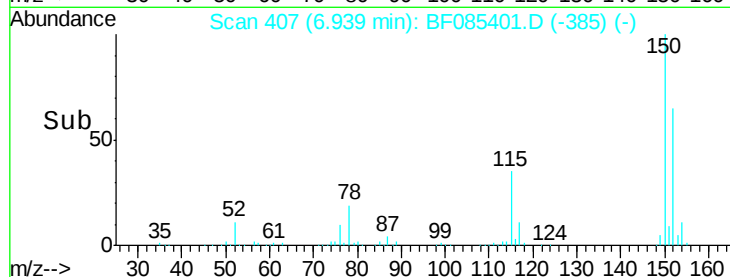
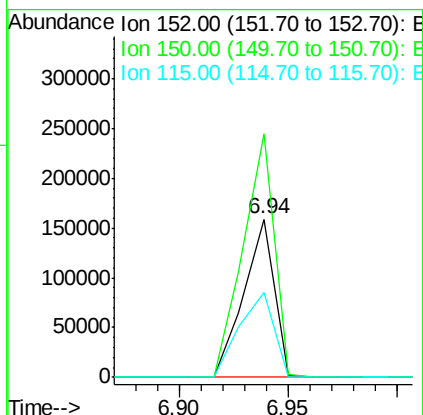
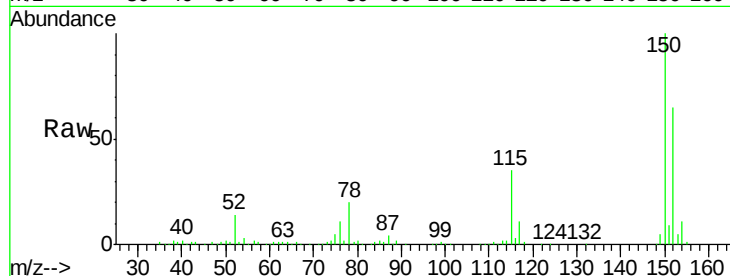


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

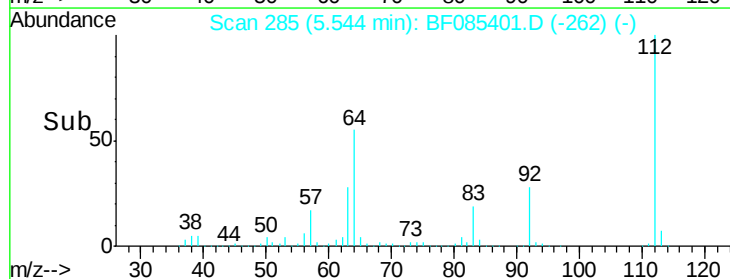
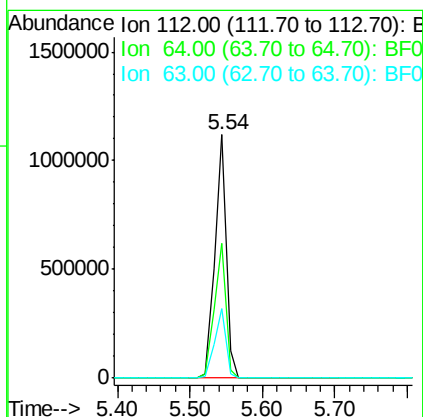
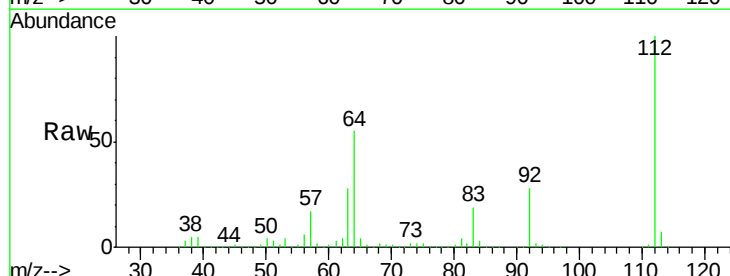
Tgt Ion:152 Resp: 155081
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 54.2 46.6 70.0



#5

2-Fluorophenol
Concen: 131.88 ng
RT: 5.54 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:112 Resp: 1219295
Ion Ratio Lower Upper
112 100
64 55.5 49.0 73.4
63 28.4 24.8 37.2





#7

Phenol-d6

Concen: 150.21 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

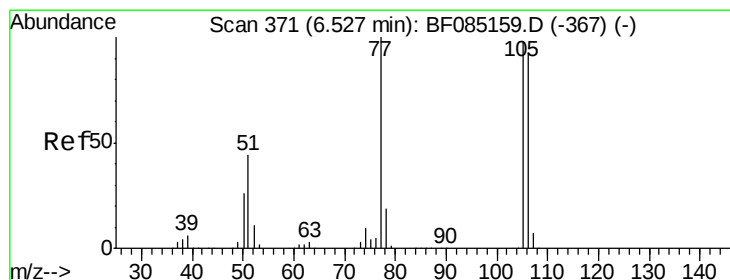
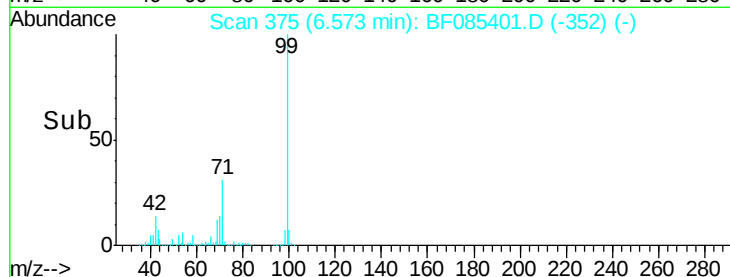
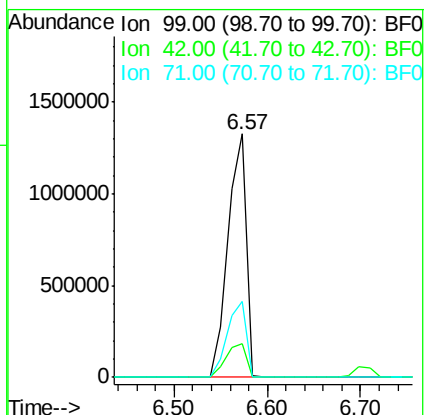
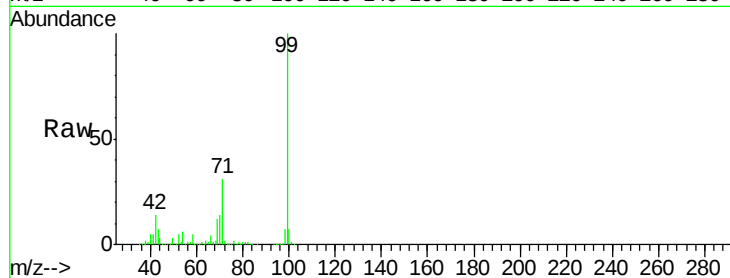
Tgt Ion: 99 Resp: 1819415

Ion Ratio Lower Upper

99 100

42 13.8 13.6 20.4

71 31.2 26.7 40.1



#9

Benzaldehyde

Concen: 2.52 ng

RT: 6.71 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

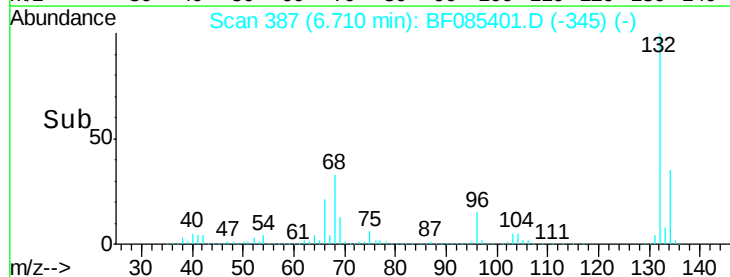
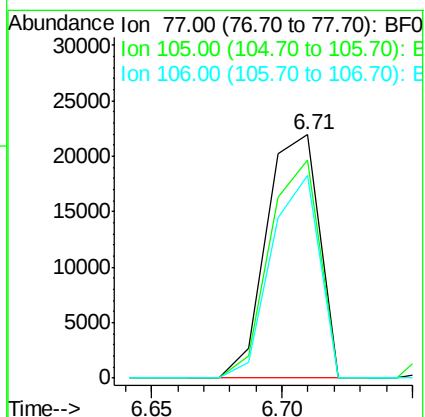
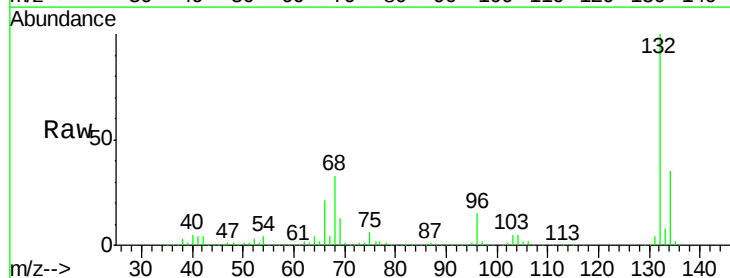
Tgt Ion: 77 Resp: 30703

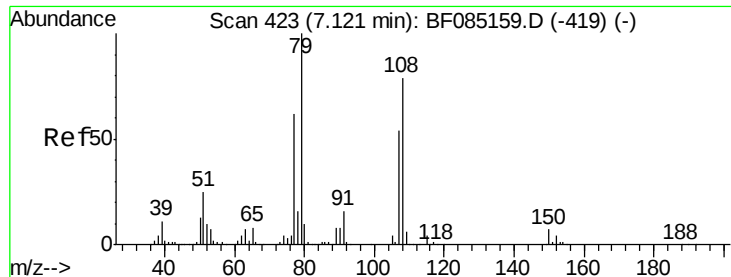
Ion Ratio Lower Upper

77 100

105 89.8 78.2 118.2

106 83.0 72.9 112.9





#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 7.09 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

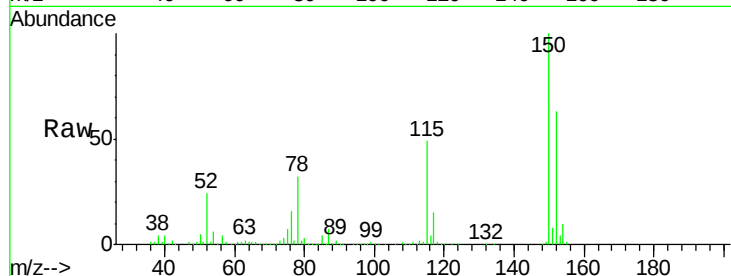
Tgt Ion: 79 Resp: 18503

Ion Ratio Lower Upper

79 100

108 31.0 62.9 94.3#

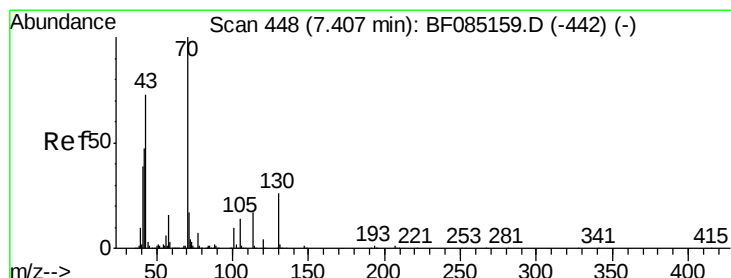
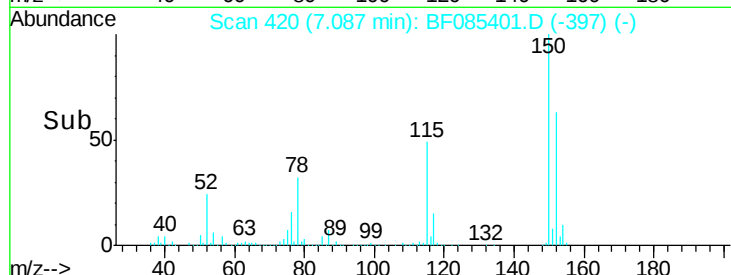
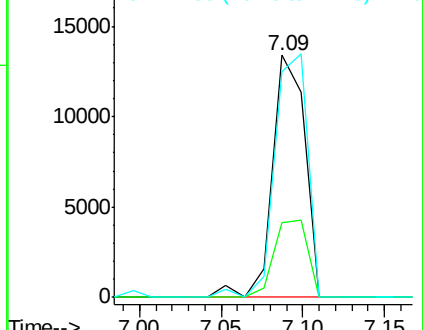
77 93.5 49.5 74.3#



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: 15.79 ng

RT: 7.50 min Scan# 456

Delta R.T. 0.09 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Tgt Ion: 70 Resp: 124633

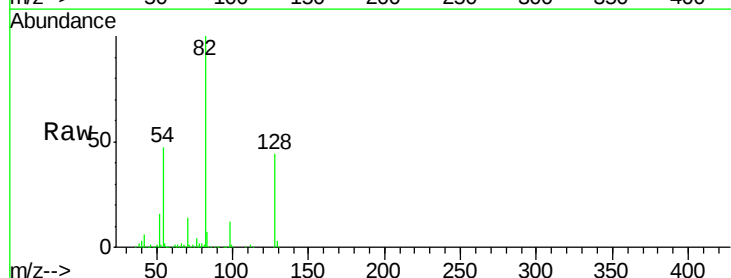
Ion Ratio Lower Upper

70 100

42 42.6 37.7 56.5

101 0.0 8.2 12.4#

130 2.0 20.5 30.7#

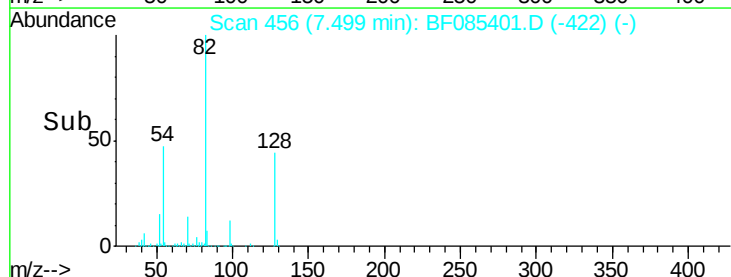
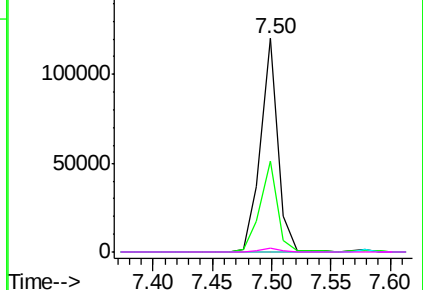


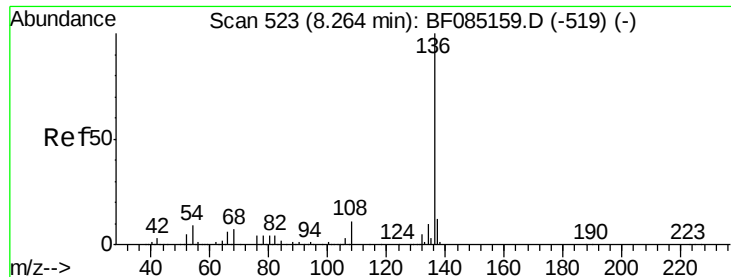
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

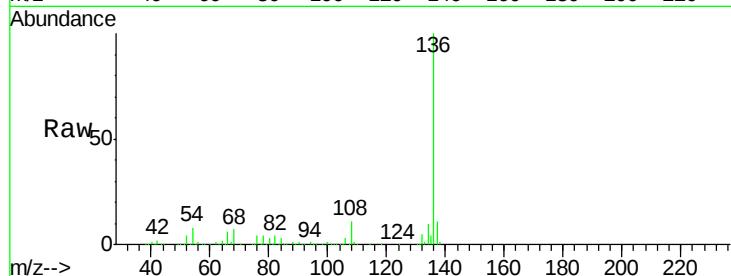




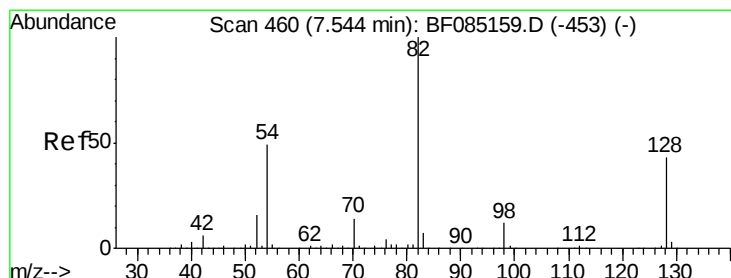
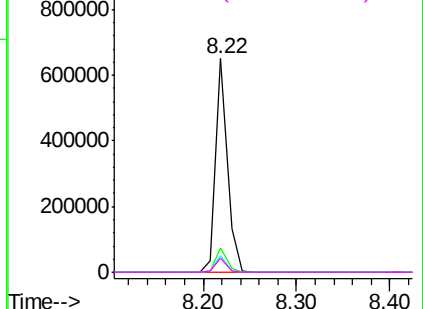
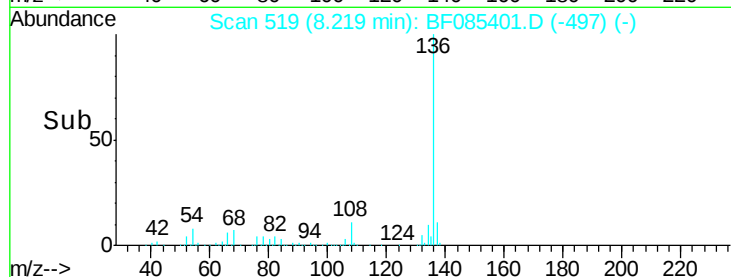
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Tgt Ion:	136	Resp:	568176
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.3	13.9
54	8.1	7.4	11.2
68	6.7	6.0	9.0

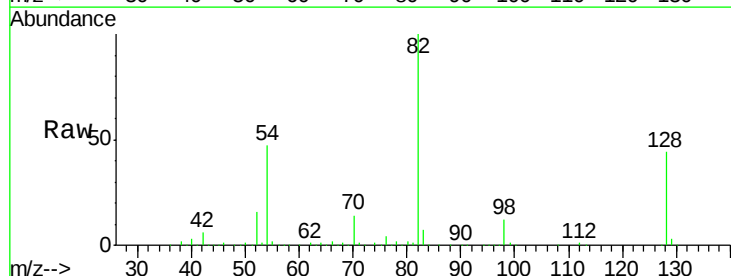


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

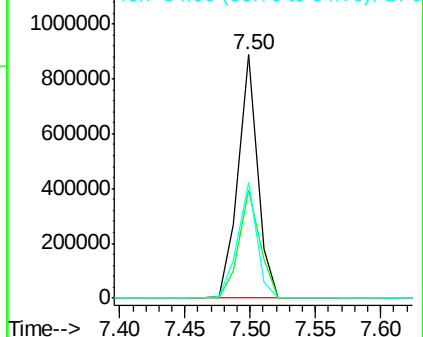
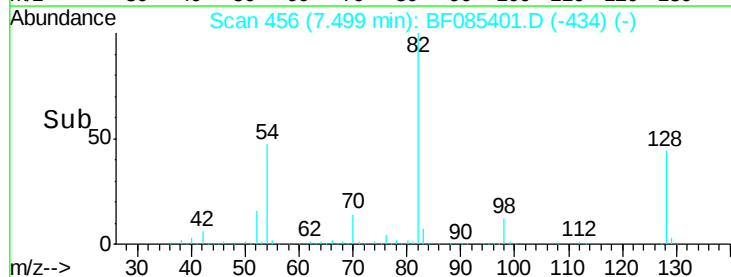


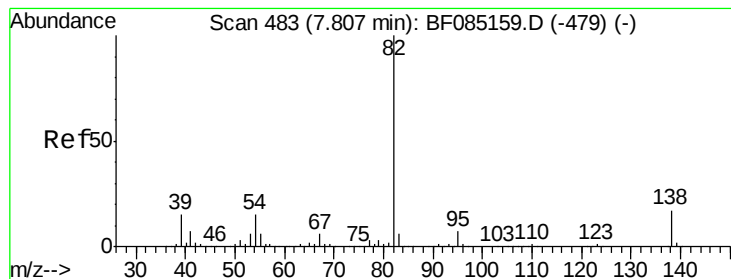
#23
Nitrobenzene-d5
Concen: 87.10 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:	82	Resp:	924772
Ion Ratio	Lower	Upper	
82	100		
128	44.5	34.5	51.7
54	47.3	39.3	58.9



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: 37.16 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

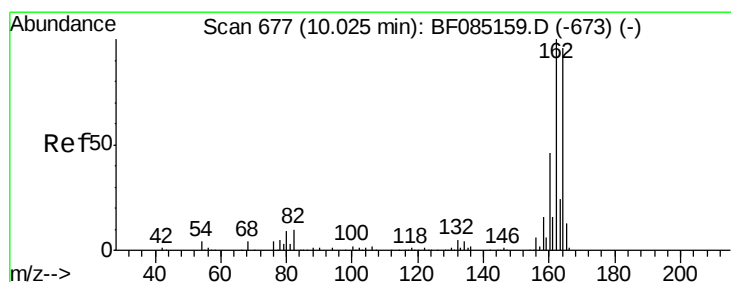
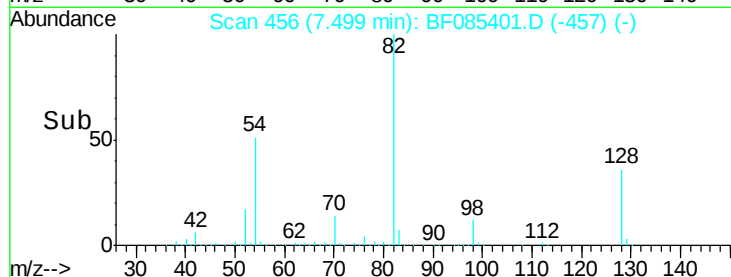
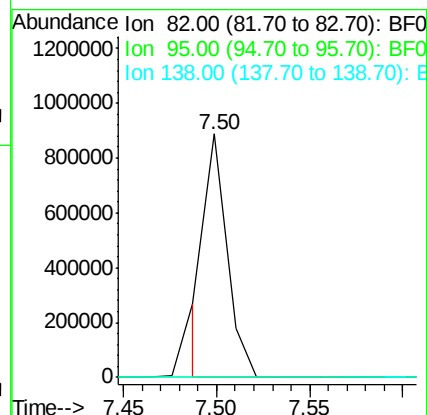
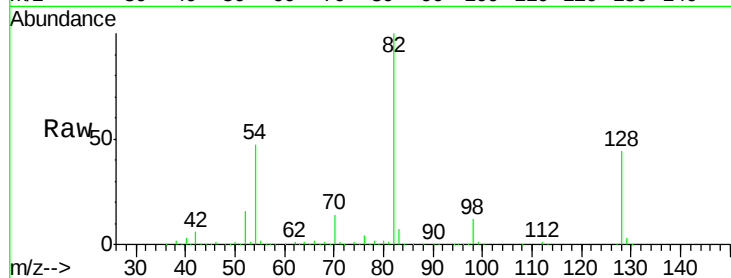
Tgt Ion: 82 Resp: 731115

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

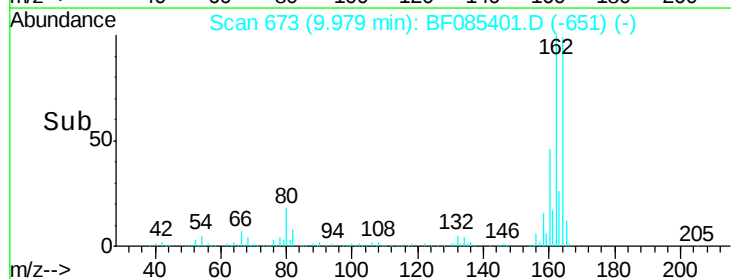
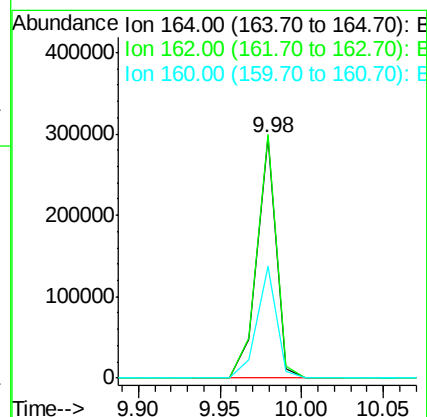
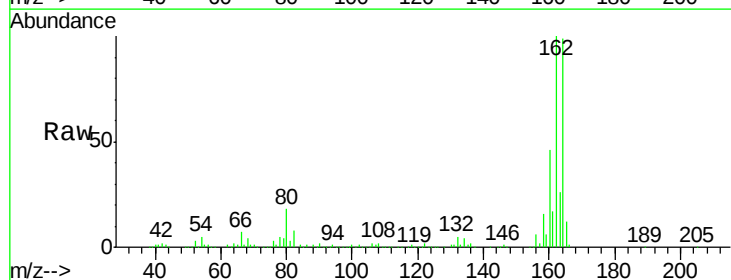
Tgt Ion: 164 Resp: 243776

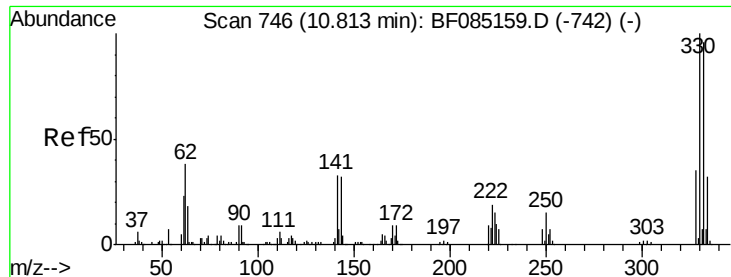
Ion Ratio Lower Upper

164 100

162 101.0 83.3 124.9

160 46.4 37.9 56.9

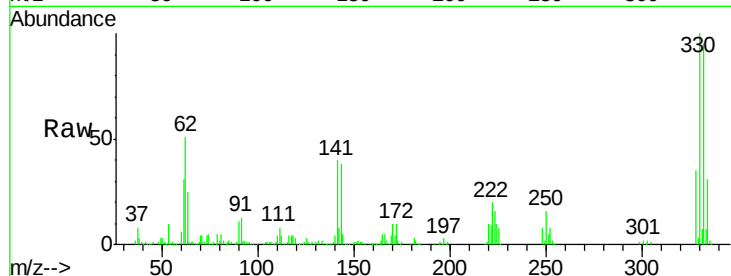




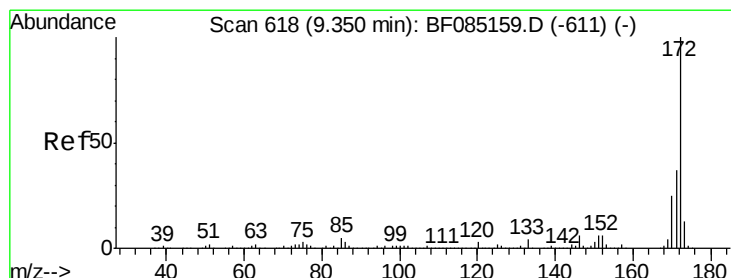
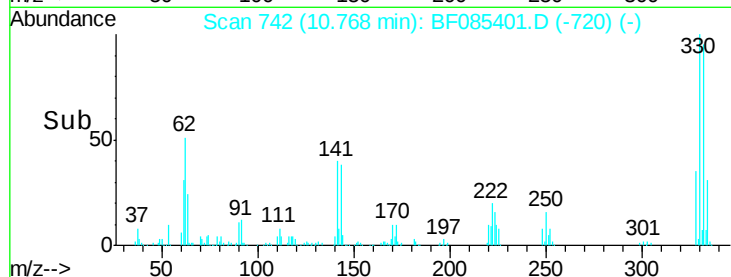
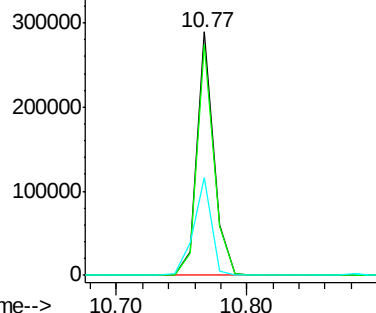
#41
 2,4,6-Tribromophenol
 Concen: 124.83 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.05 min
 Lab File: BF085401.D
 Acq: 12 Mar 2016 6:11

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	43.2	35.0	52.6

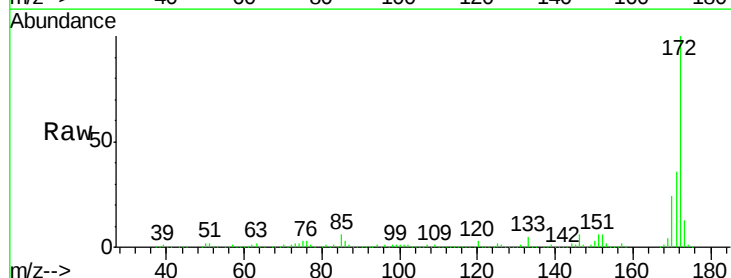


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

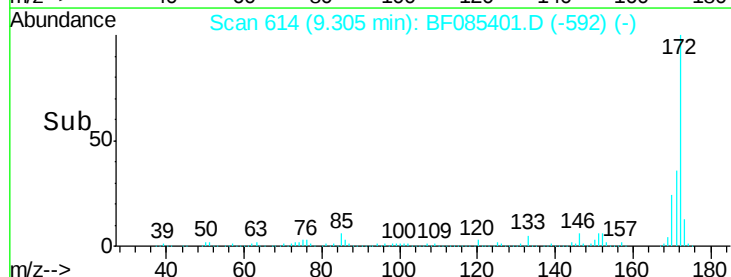
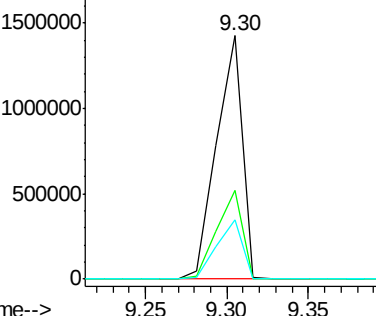


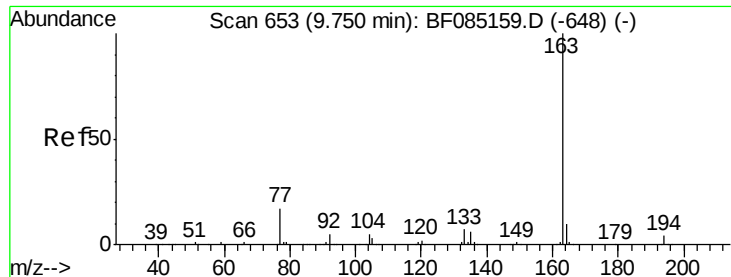
#44
 2-Fluorobiphenyl
 Concen: 96.97 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085401.D
 Acq: 12 Mar 2016 6:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.4	20.0	30.0



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: 9.77 ng

RT: 9.69 min Scan# 648

Delta R.T. -0.06 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

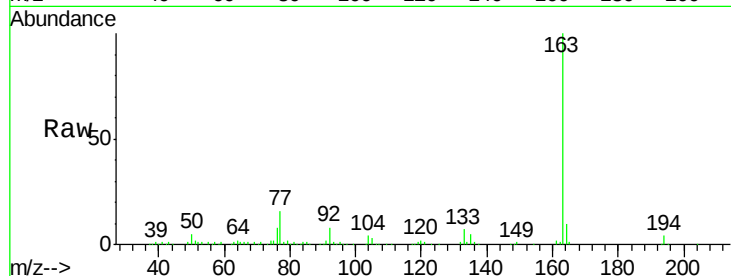
Tgt Ion:163 Resp: 182818

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

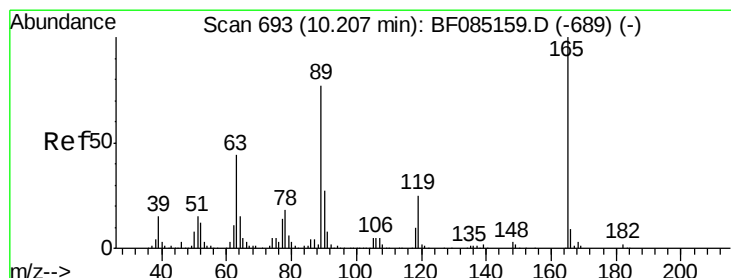
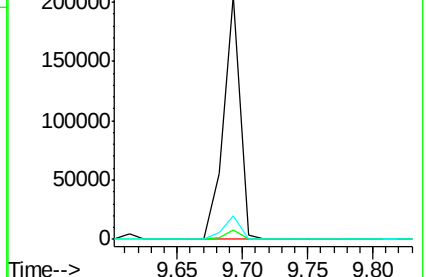
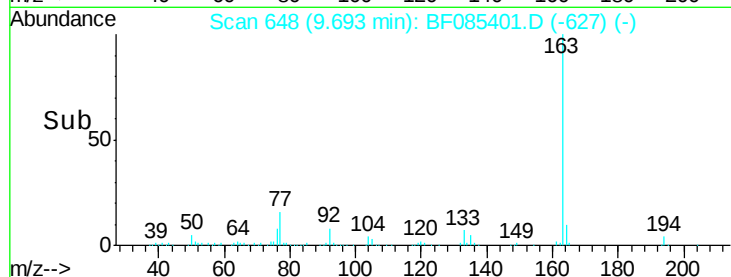
164 9.8 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 6.22 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.23 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Tgt Ion:165 Resp: 31853

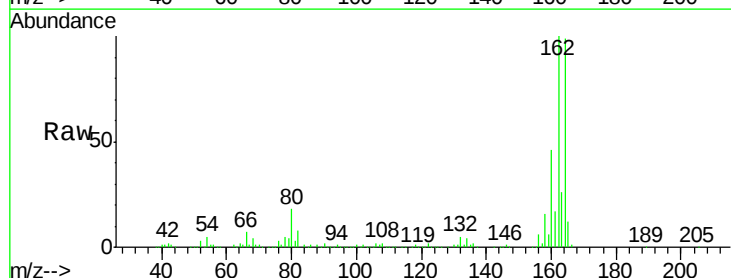
Ion Ratio Lower Upper

165 100

63 1.2 35.4 53.0#

89 1.9 61.9 92.9#

182 0.0 1.9 2.9#

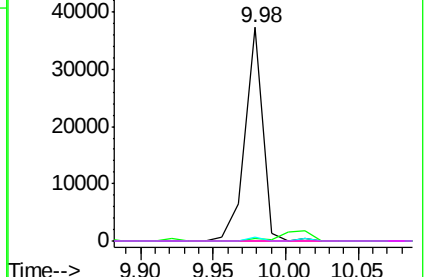
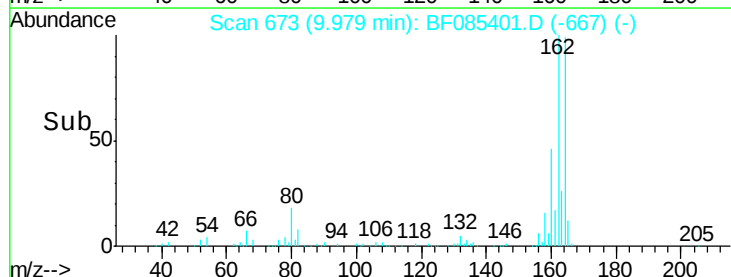


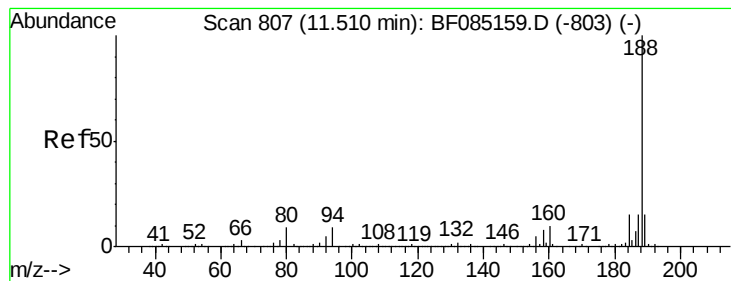
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 803

Delta R.T. -0.05 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

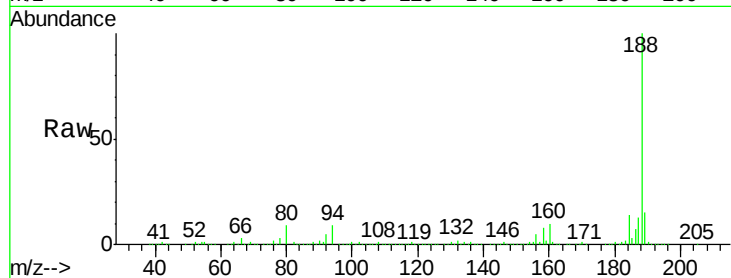
Tgt Ion:188 Resp: 362445

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

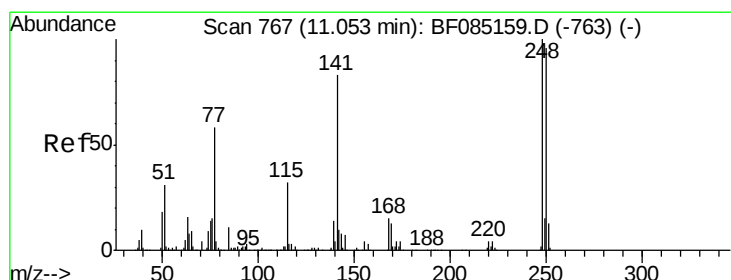
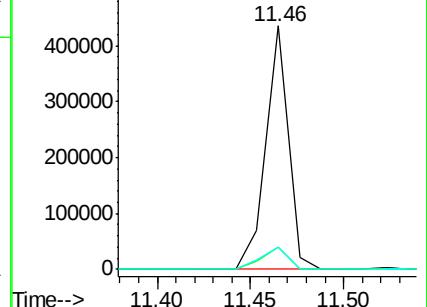
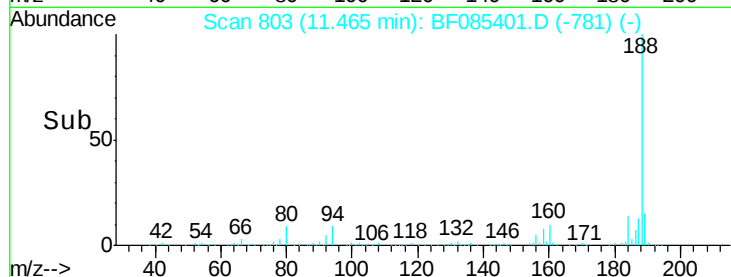
80 9.1 7.4 11.0



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



#66

4-Bromophenyl-phenylether

Concen: 5.55 ng

RT: 10.77 min Scan# 742

Delta R.T. -0.29 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

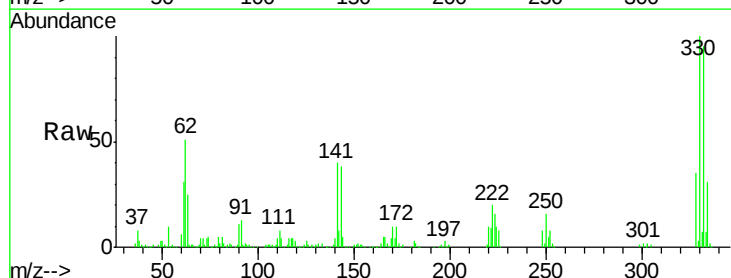
Tgt Ion:248 Resp: 19518

Ion Ratio Lower Upper

248 100

250 197.8 77.1 115.7#

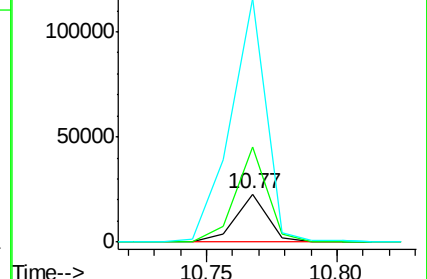
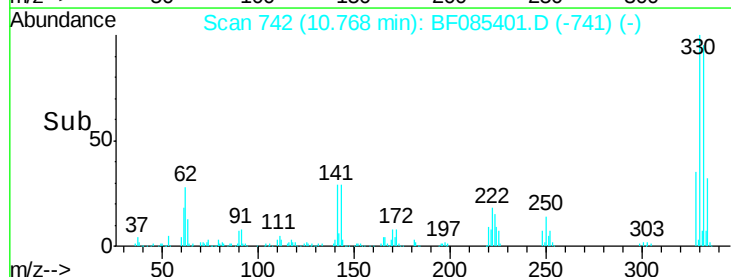
141 509.2 66.2 99.2#

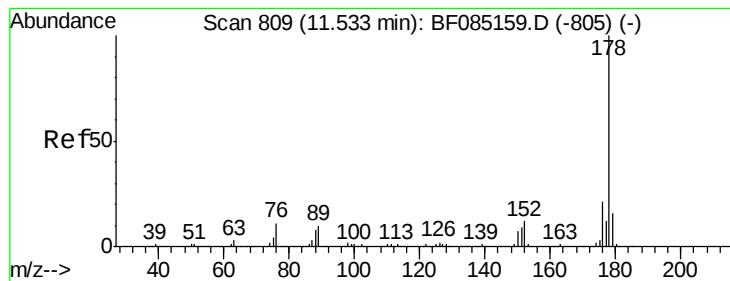


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 16.83 ng

RT: 11.49 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

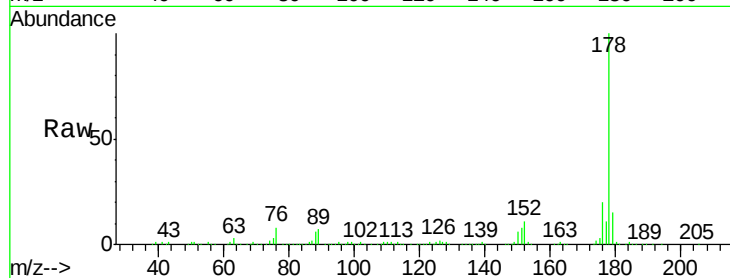
Tgt Ion:178 Resp: 319623

Ion Ratio Lower Upper

178 100

176 20.1 16.8 25.2

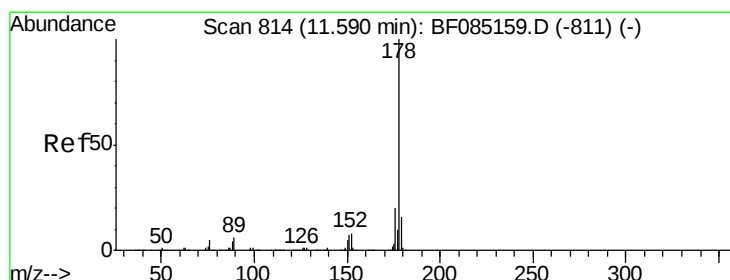
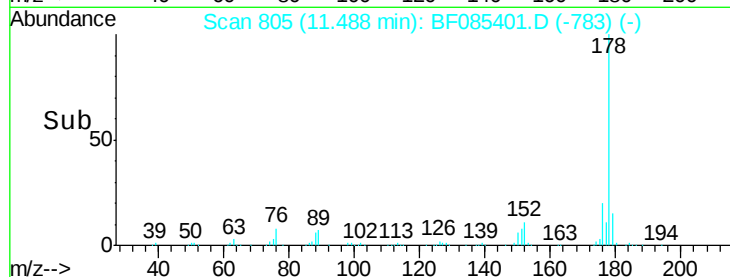
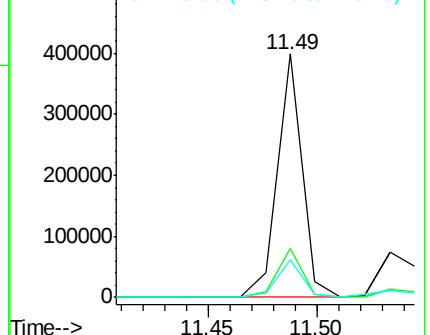
179 15.4 13.1 19.7



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



#71

Anthracene

Concen: 4.49 ng

RT: 11.53 min Scan# 809

Delta R.T. -0.06 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

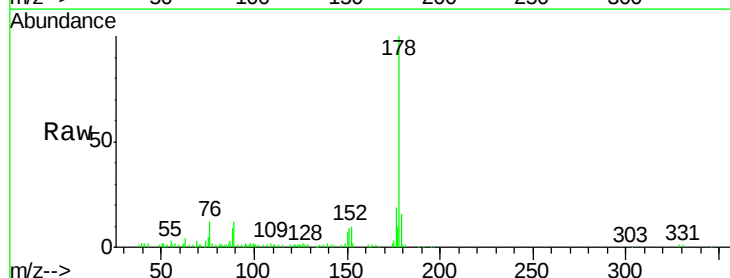
Tgt Ion:178 Resp: 90507

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

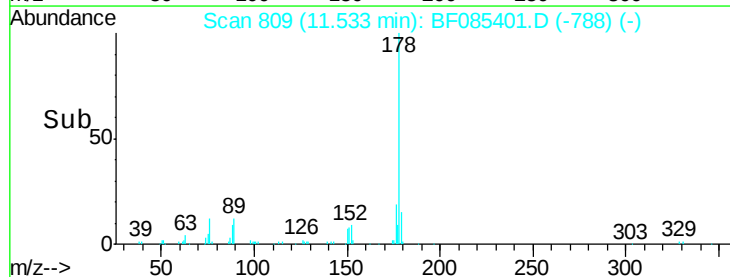
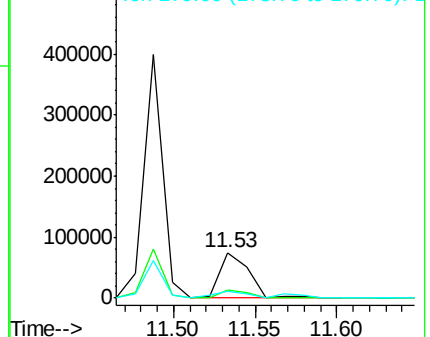
179 16.0 12.5 18.7

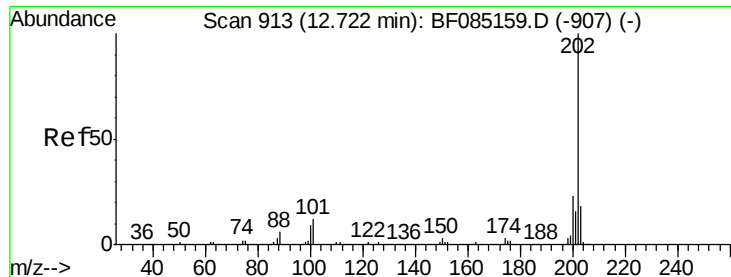


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 24.89 ng

RT: 12.68 min Scan# 909

Delta R.T. -0.05 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

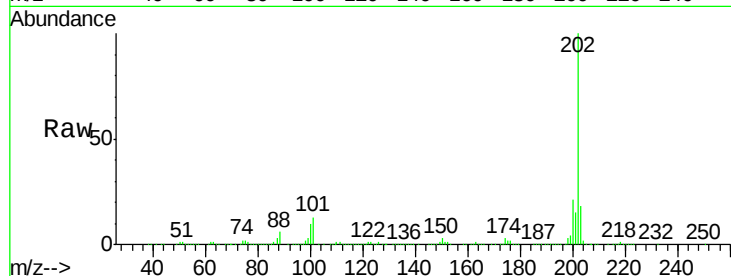
Tgt Ion:202 Resp: 474513

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.8

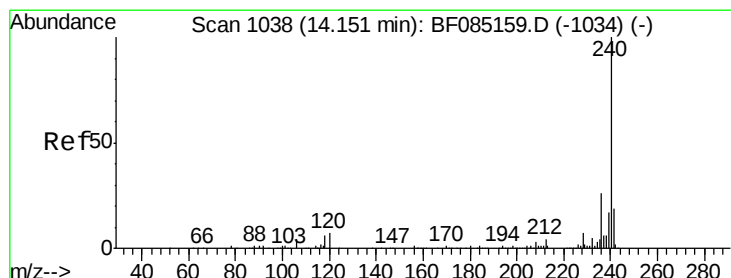
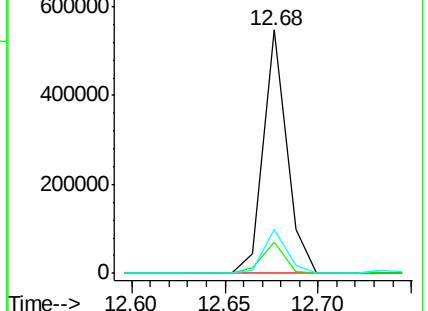
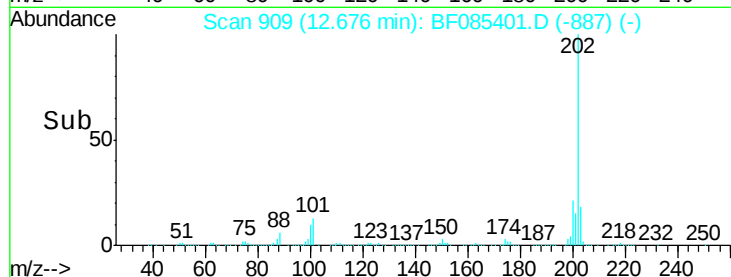
203 18.0 0.0 38.4



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: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

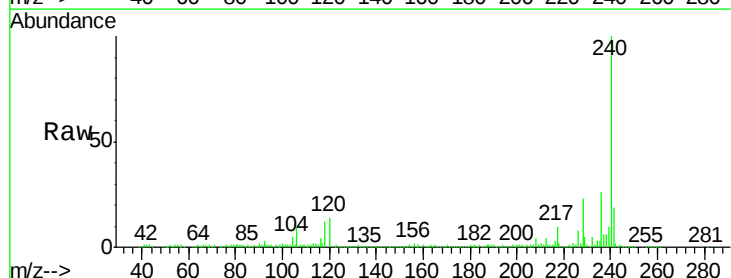
Tgt Ion:240 Resp: 288454

Ion Ratio Lower Upper

240 100

120 13.8 5.3 7.9#

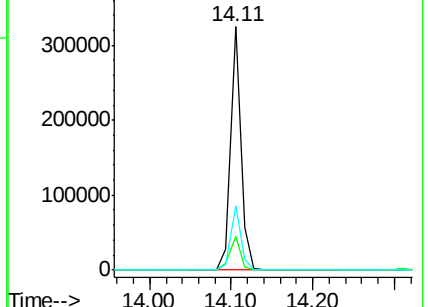
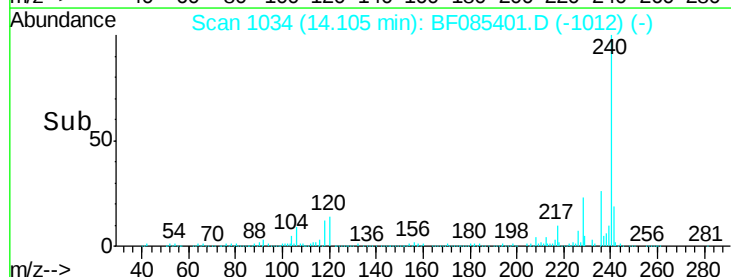
236 26.3 20.7 31.1

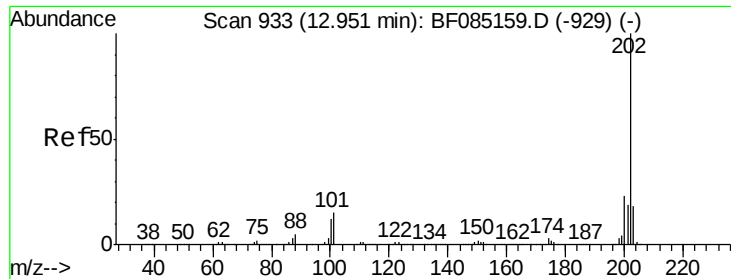


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 19.52 ng

RT: 12.90 min Scan# 929

Delta R.T. -0.05 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

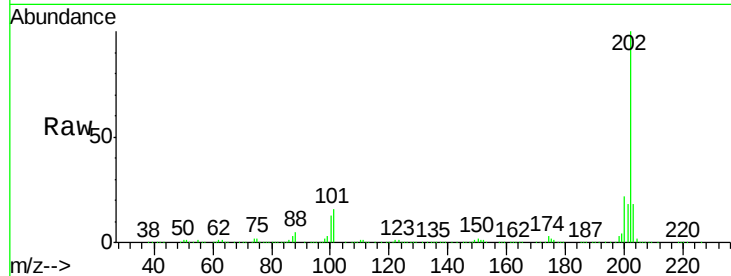
Tgt Ion: 202 Resp: 423852

Ion Ratio Lower Upper

202 100

200 21.8 18.2 27.4

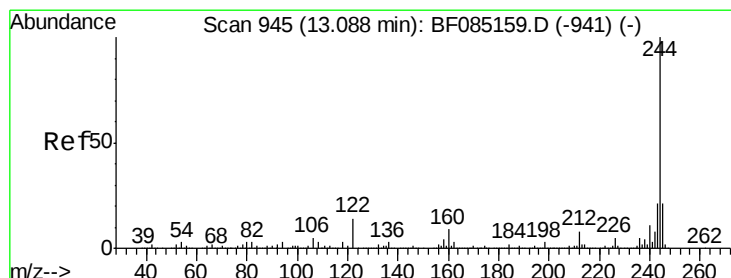
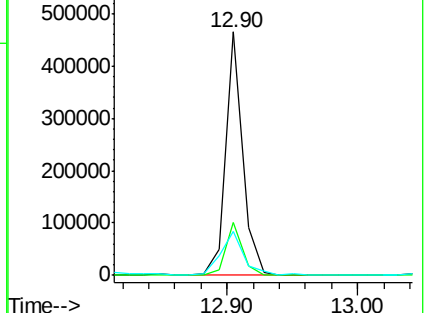
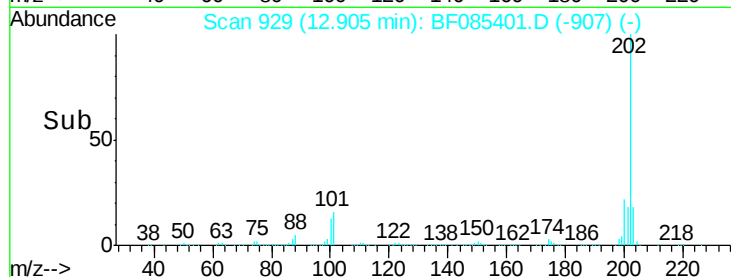
203 17.8 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 78.73 ng

RT: 13.05 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

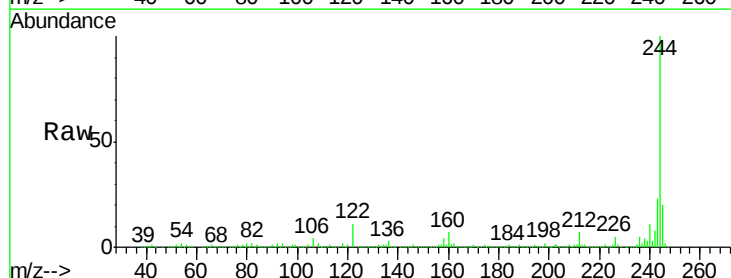
Tgt Ion: 244 Resp: 978340

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

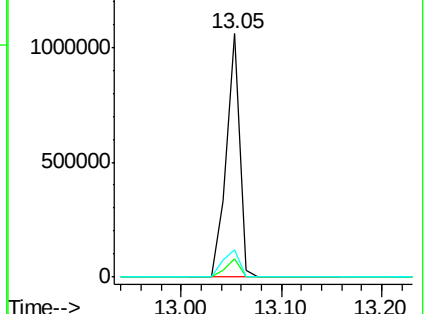
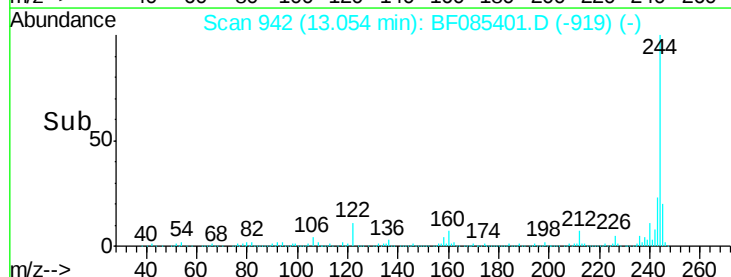
122 11.0 11.4 17.2#

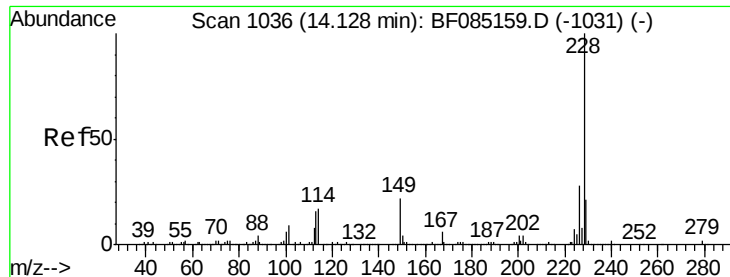


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 15.92 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

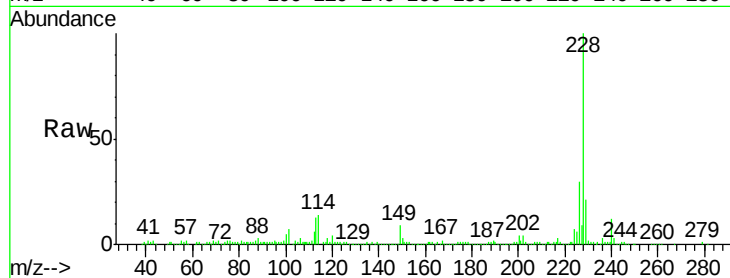
Tgt Ion:228 Resp: 274848

Ion Ratio Lower Upper

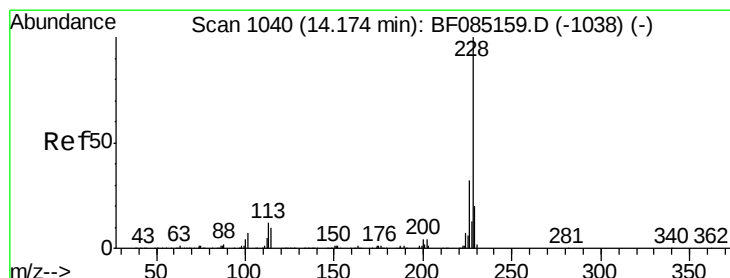
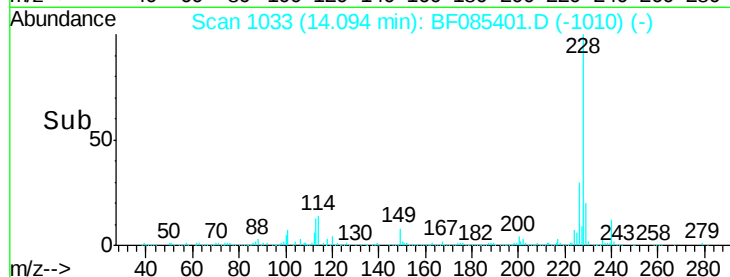
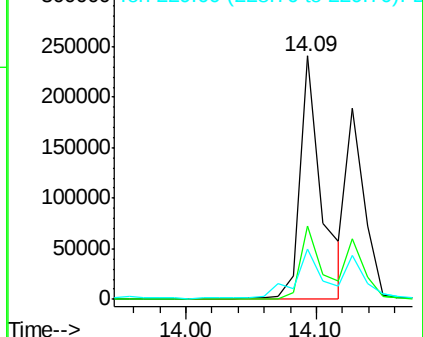
228 100

226 30.0 22.8 34.2

229 20.5 16.6 24.8



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: 11.45 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

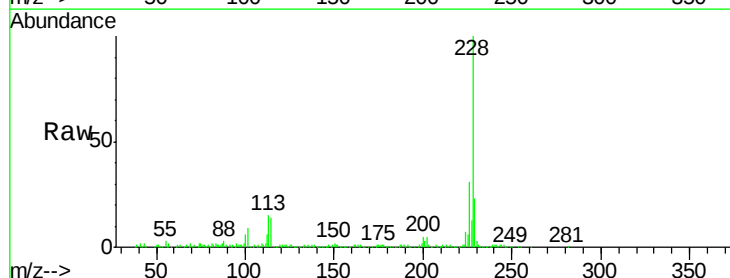
Tgt Ion:228 Resp: 182694

Ion Ratio Lower Upper

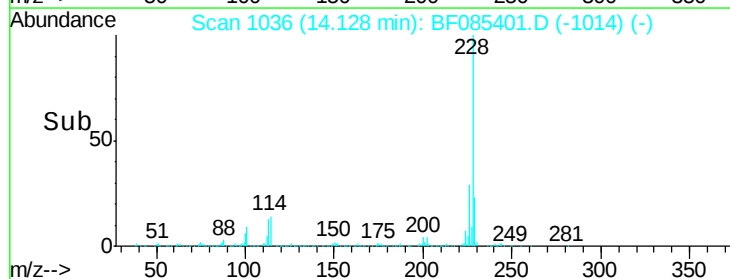
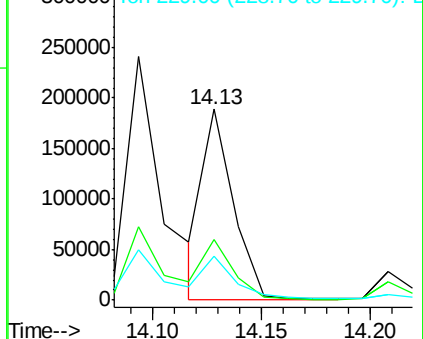
228 100

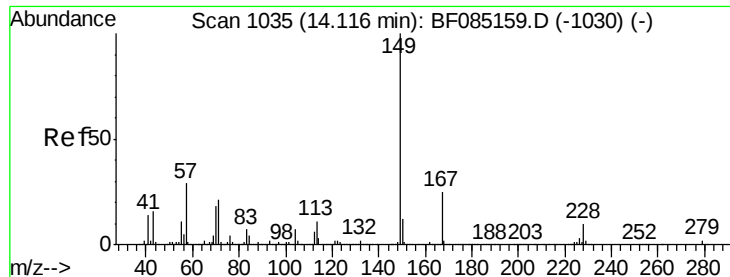
226 31.4 25.2 37.8

229 23.2 16.0 24.0



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.05 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

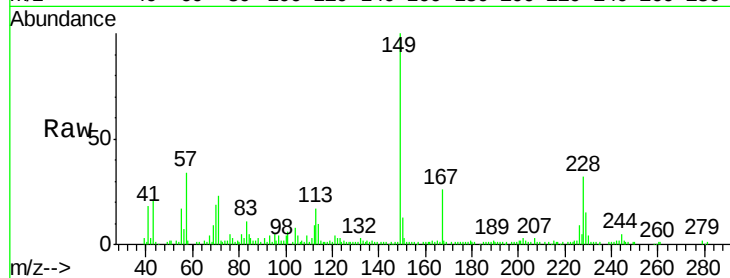
Tgt Ion:149 Resp: 65440

Ion Ratio Lower Upper

149 100

167 25.6 20.3 30.5

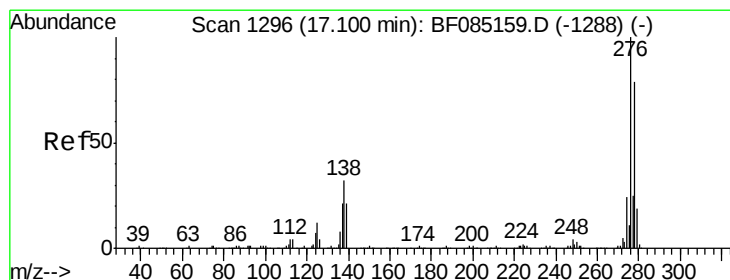
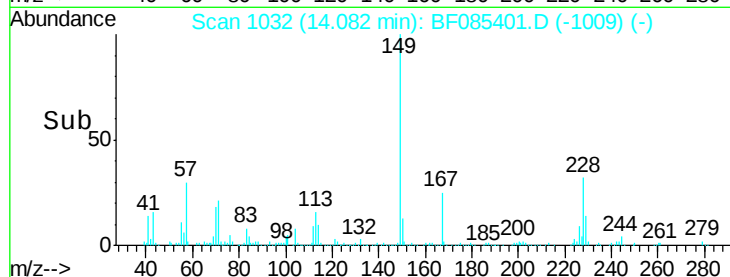
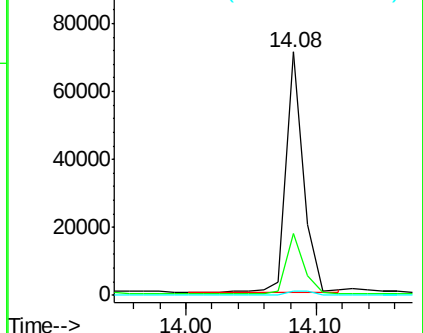
279 2.0 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.55 ng

RT: 17.03 min Scan# 1290

Delta R.T. -0.07 min

Lab File: BF085401.D

Acq: 12 Mar 2016 6:11

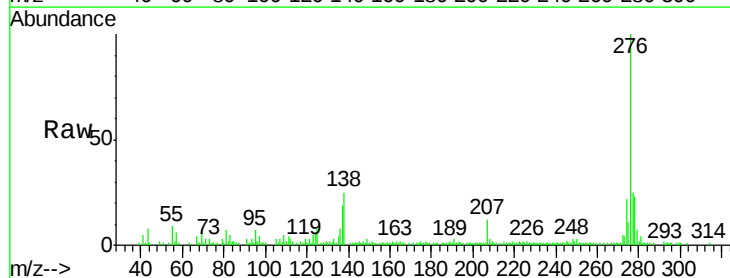
Tgt Ion:276 Resp: 93991

Ion Ratio Lower Upper

276 100

138 28.2 26.4 39.6

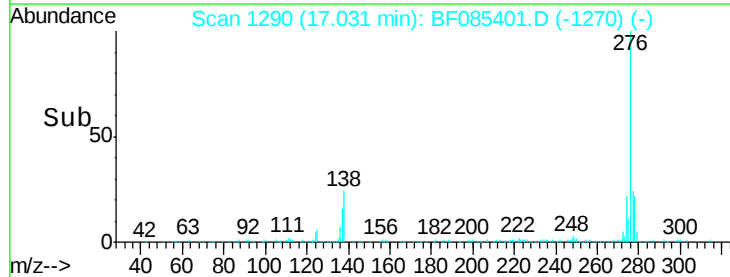
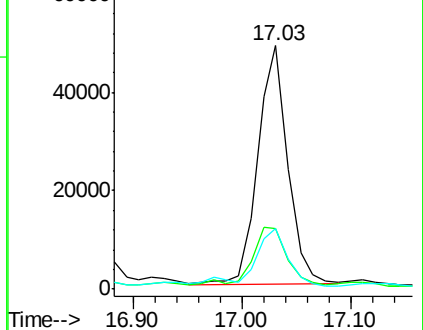
277 28.8 20.2 30.2

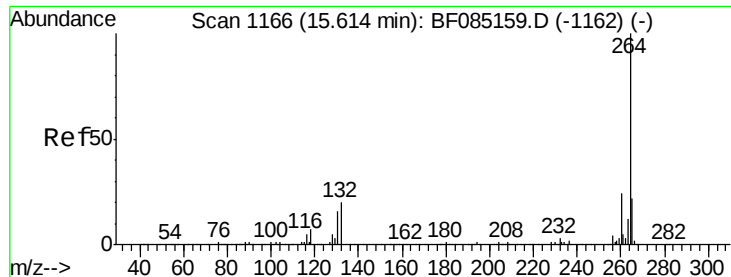


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



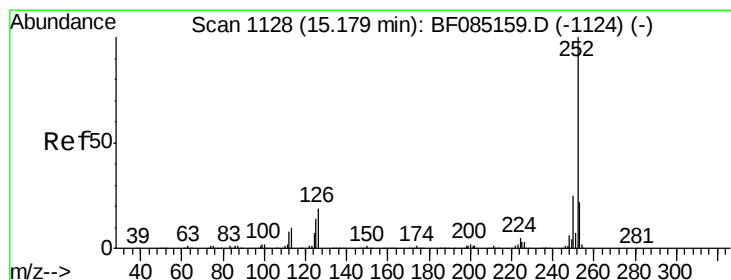
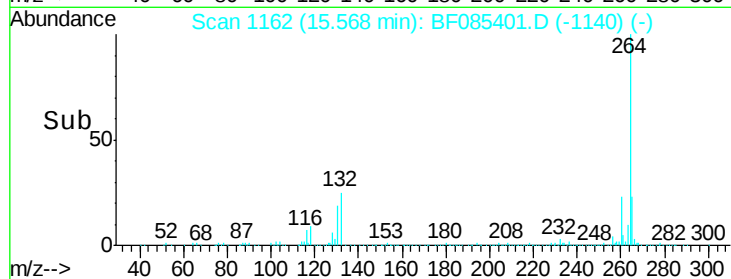
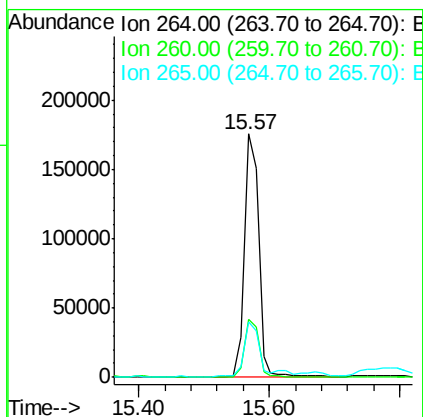
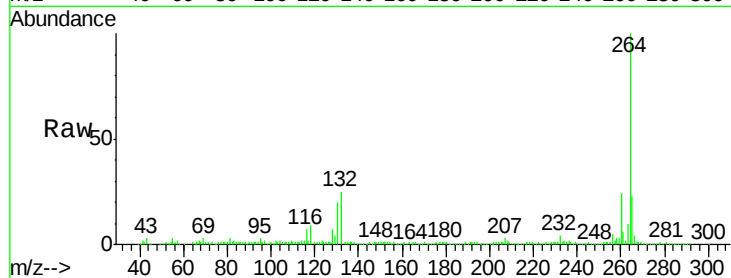


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Tgt Ion: 264 Resp: 265398

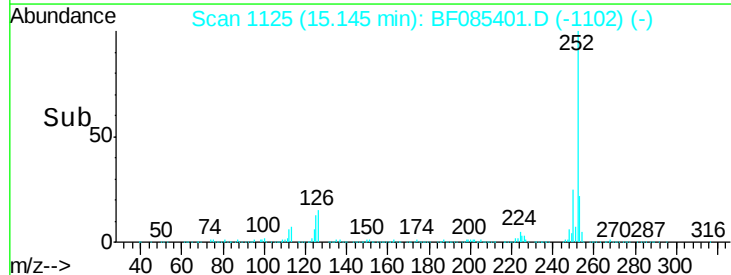
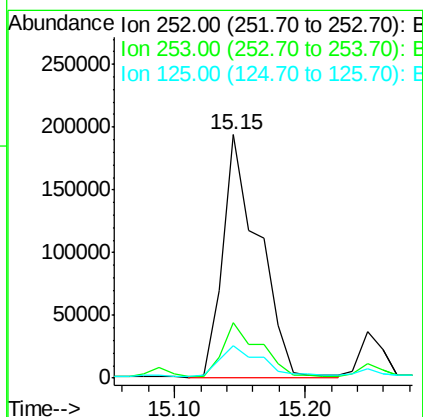
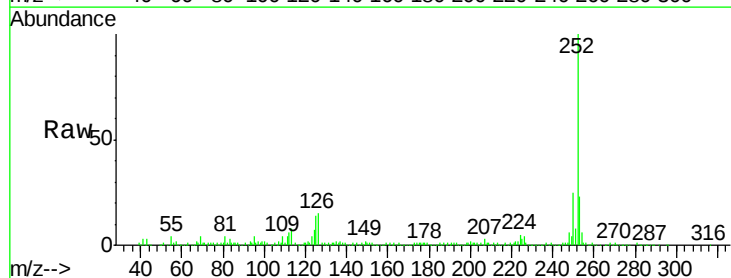
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.8	17.3	25.9

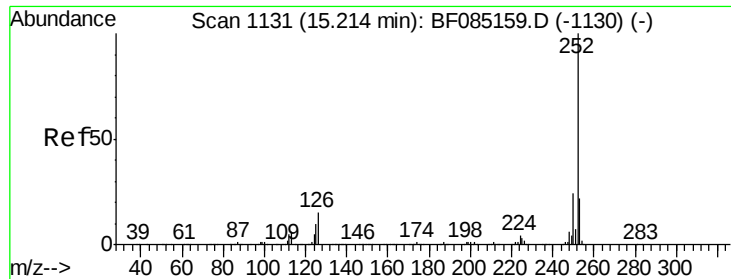


#87
Benzo(b)fluoranthene
Concen: 20.98 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion: 252 Resp: 371058

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	13.5	11.3	16.9

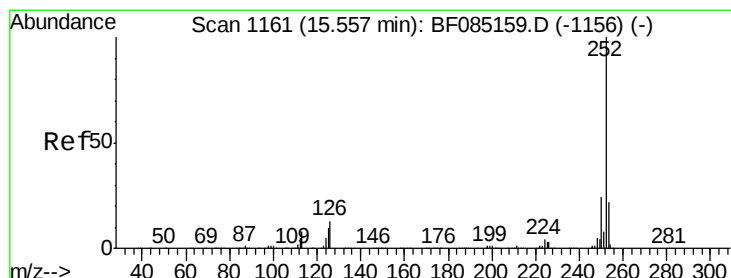
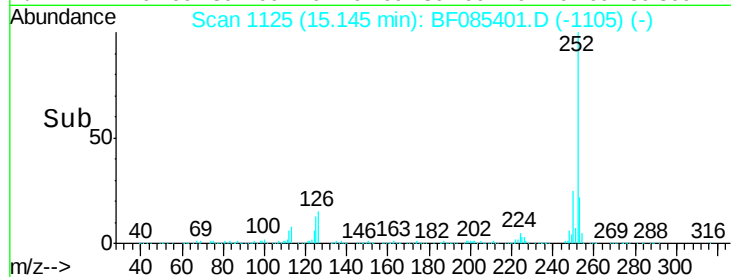
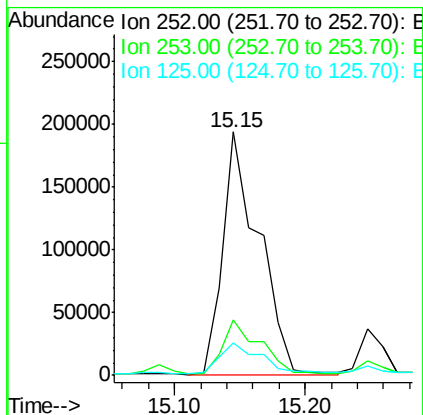
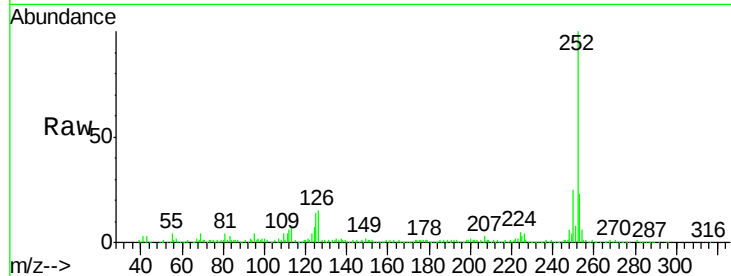




#88
Benzo(k)fluoranthene
Concen: 26.01 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.07 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

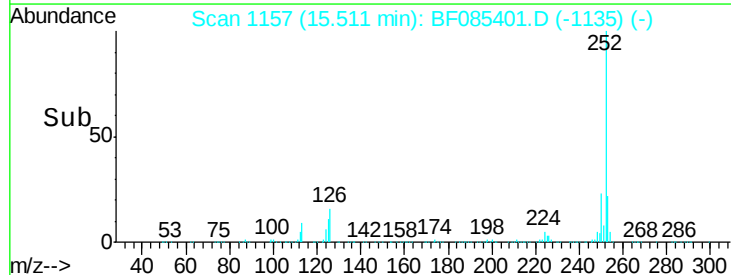
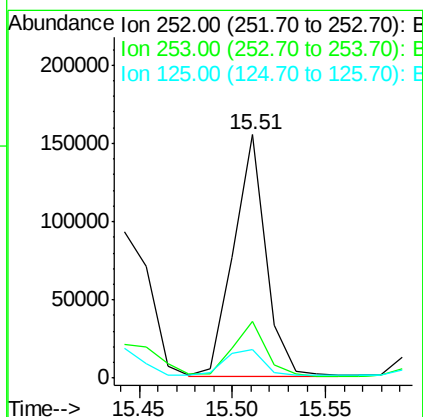
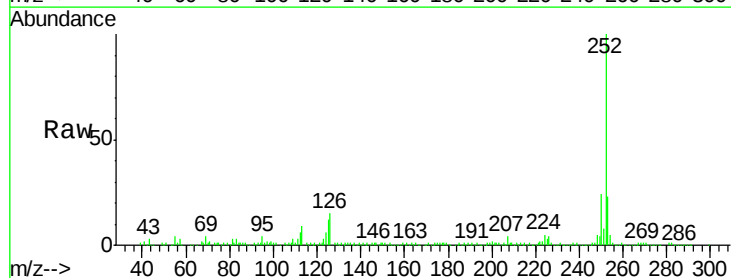
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

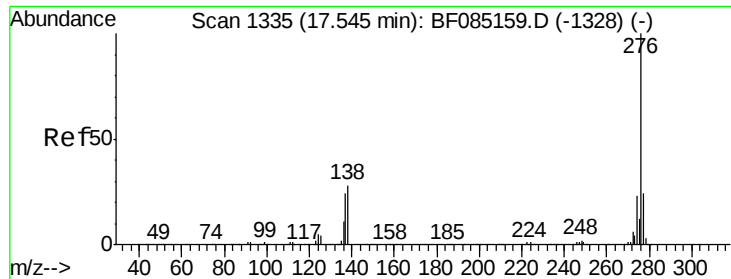
Tgt Ion:252 Resp: 371058
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 13.5 10.4 15.6



#89
Benzo(a)pyrene
Concen: 12.85 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085401.D
Acq: 12 Mar 2016 6:11

Tgt Ion:252 Resp: 188299
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 11.6 8.2 12.4

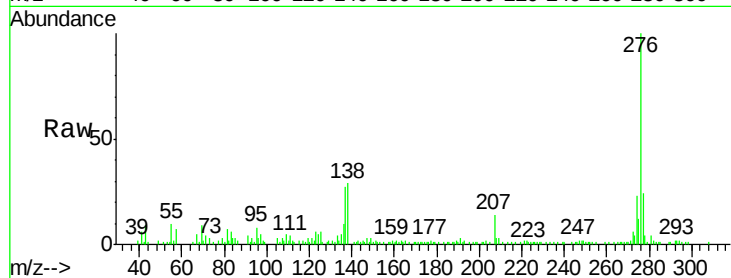




#91
 Benzo(g,h,i)perylene
 Concen: 6.84 ng
 RT: 17.47 min Scan# 1328
 Delta R.T. -0.08 min
 Lab File: BF085401.D
 Acq: 12 Mar 2016 6:11

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	29.3	22.5	33.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

