

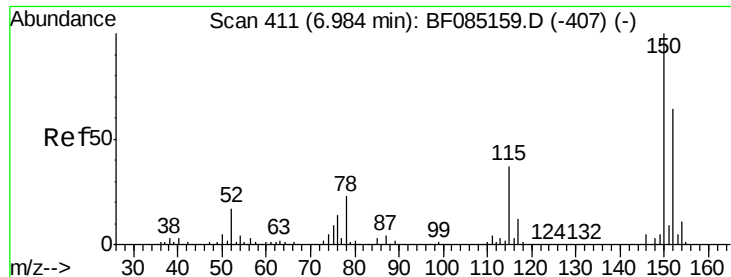
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085397.D
 Acq On : 12 Mar 2016 4:20
 Operator : UM/SJ
 Sample : H1754-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-15(0.5-2.0)

Quant Time: Mar 12 04:55:07 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	145990	20.00	ng	-0.05
21) Naphthalene-d8	8.22	136	590819	20.00	ng	-0.05
38) Acenaphthene-d10	9.98	164	260046	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	412790	20.00	ng	-0.05
75) Chrysene-d12	14.11	240	285955	20.00	ng	-0.05
86) Perylene-d12	15.57	264	265802	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1103470	126.79	ng	-0.03
7) Phenol-d6	6.56	99	1193980	104.71	ng	-0.05
23) Nitrobenzene-d5	7.50	82	822256	74.47	ng	-0.05
41) 2,4,6-Tribromophenol	10.77	330	247983	111.45	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	1151245	67.33	ng	-0.05
78) Terphenyl-d14	13.05	244	668426	54.26	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.48	77	758	Below Cal		Qvalue 83
19) n-Nitroso-di-n-propylamine	7.50	70	111519	15.01 ng	#	76
25) Isophorone	7.50	82	610792	29.85 ng	#	67
49) Dimethylphthalate	9.69	163	151245	7.58 ng		99
56) 2,4-Dinitrotoluene	9.98	165	33091	6.06 ng	#	22
66) 4-Bromophenyl-phenylether	10.77	248	18099	4.52 ng	#	1
70) Phenanthrene	11.49	178	55644	2.57 ng		97
74) Fluoranthene	12.68	202	97093	4.47 ng		97
77) Pyrene	12.90	202	92920	4.32 ng		97
80) Benzo(a)anthracene	14.09	228	52407	3.06 ng		99
82) Chrysene	14.13	228	34705	2.19 ng		98
83) Bis(2-ethylhexyl)phthalate	14.08	149	49761	3.87 ng		99
87) Benzo(b)fluoranthene	15.15	252	76011	4.29 ng		99
88) Benzo(k)fluoranthene	15.15	252	76011	5.32 ng		98
89) Benzo(a)pyrene	15.50	252	39374	2.68 ng	#	89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-15(0.5-2.0)

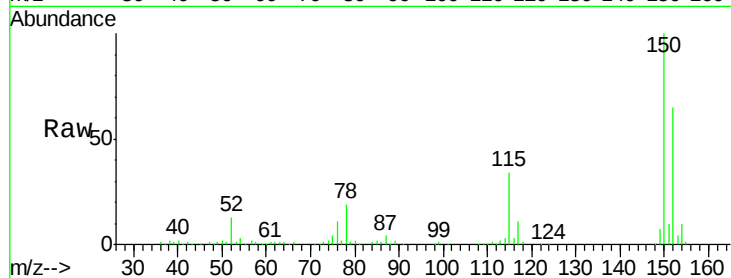
Tgt Ion:152 Resp: 145990

Ion Ratio Lower Upper

152 100

150 155.0 124.6 186.8

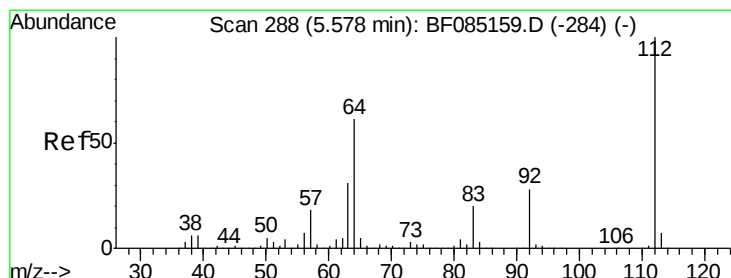
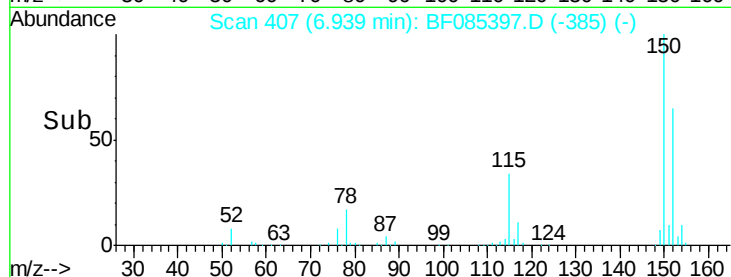
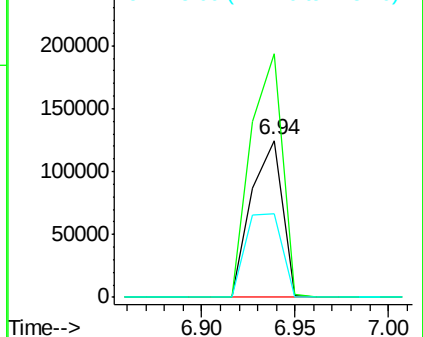
115 53.2 46.6 70.0



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: 126.79 ng

RT: 5.54 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

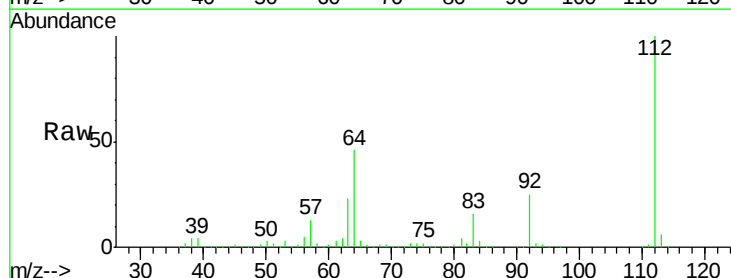
Tgt Ion:112 Resp: 1103470

Ion Ratio Lower Upper

112 100

64 45.7 49.0 73.4#

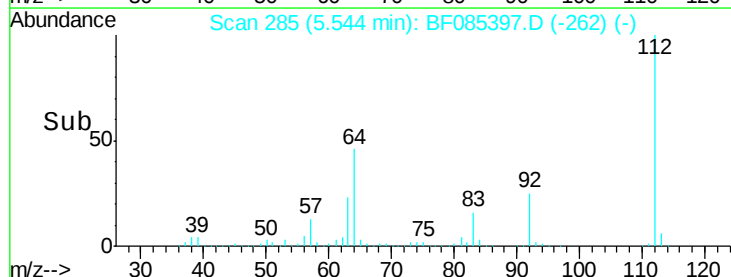
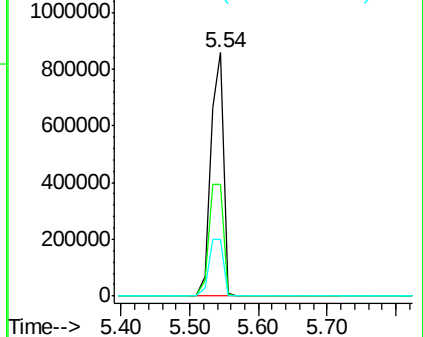
63 23.1 24.8 37.2#



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: 104.71 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-15(0.5-2.0)

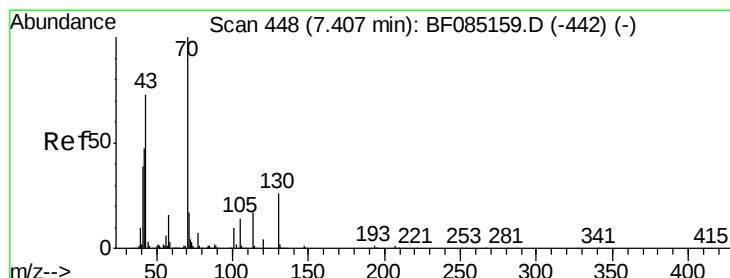
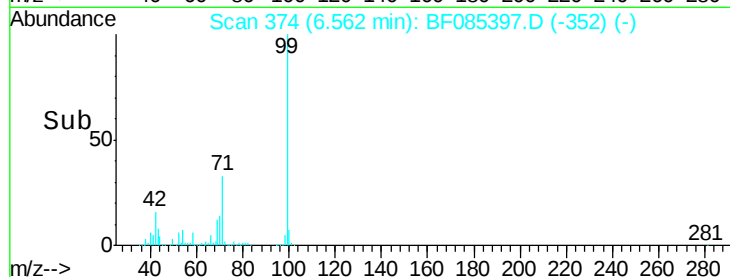
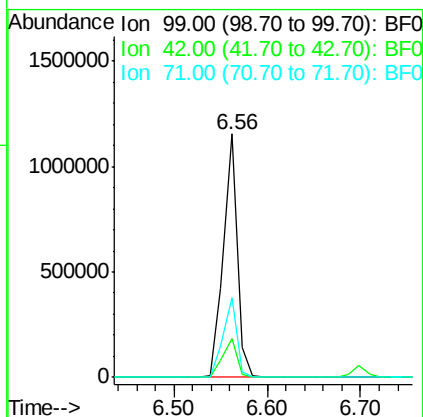
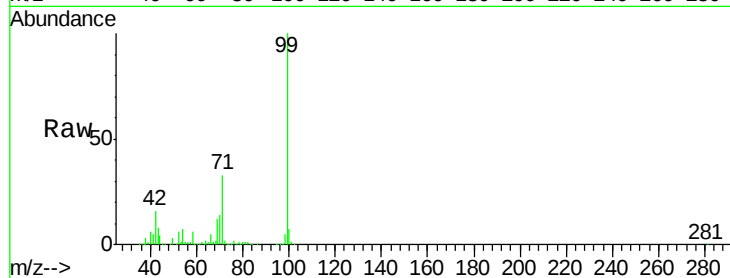
Tgt Ion: 99 Resp: 1193980

Ion Ratio Lower Upper

99 100

42 15.7 13.6 20.4

71 32.8 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 15.01 ng

RT: 7.50 min Scan# 456

Delta R.T. 0.09 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

Tgt Ion: 70 Resp: 111519

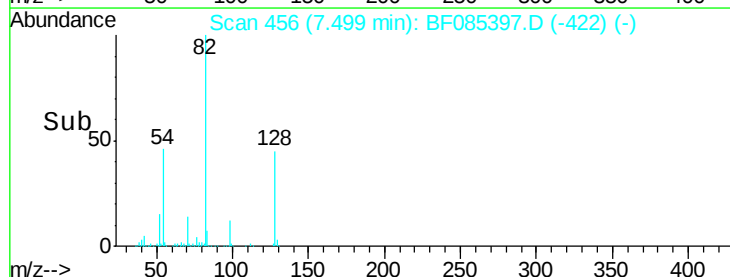
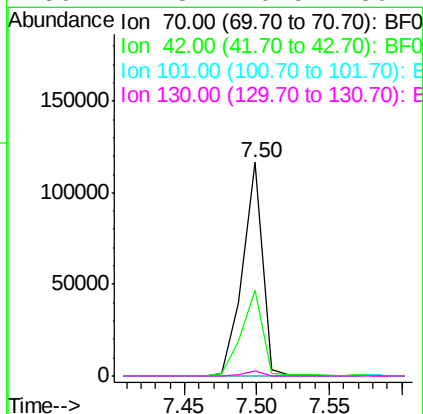
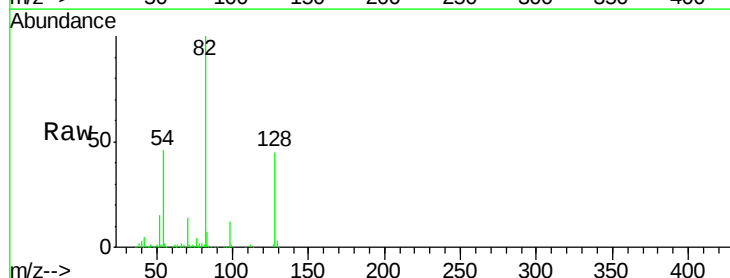
Ion Ratio Lower Upper

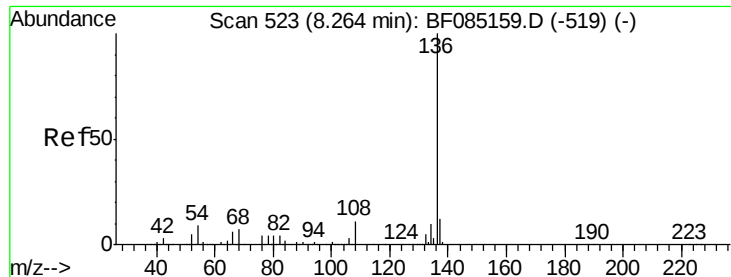
70 100

42 40.0 37.7 56.5

101 0.0 8.2 12.4#

130 2.3 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-15(0.5-2.0)

Tgt Ion:136 Resp: 590819

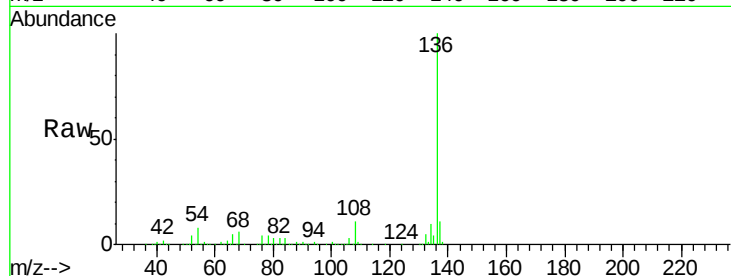
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 7.6 7.4 11.2

68 6.3 6.0 9.0

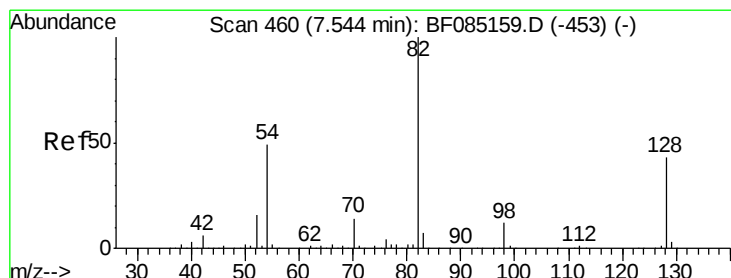
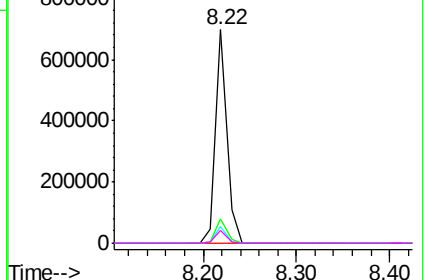
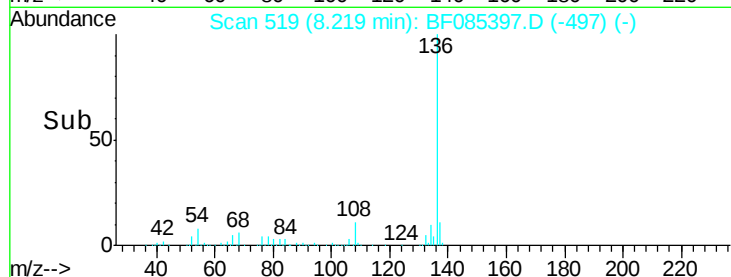


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.47 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.05 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

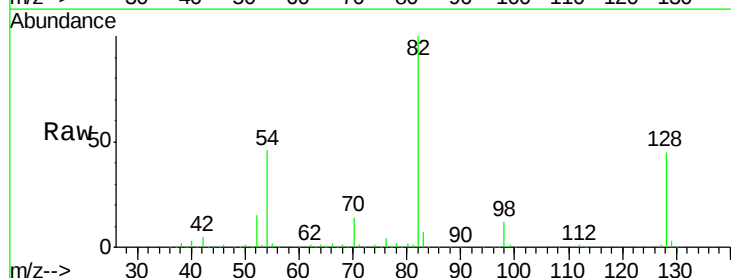
Tgt Ion: 82 Resp: 822256

Ion Ratio Lower Upper

82 100

128 44.7 34.5 51.7

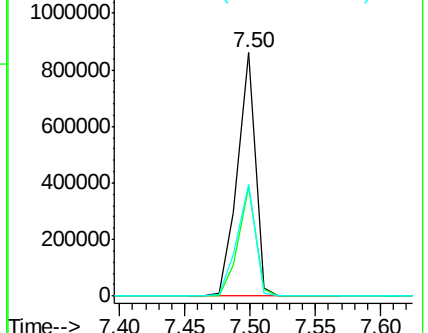
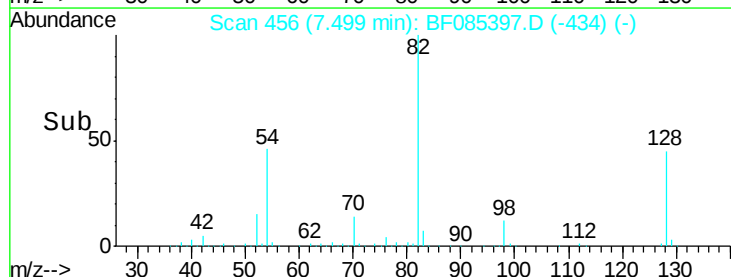
54 46.1 39.3 58.9

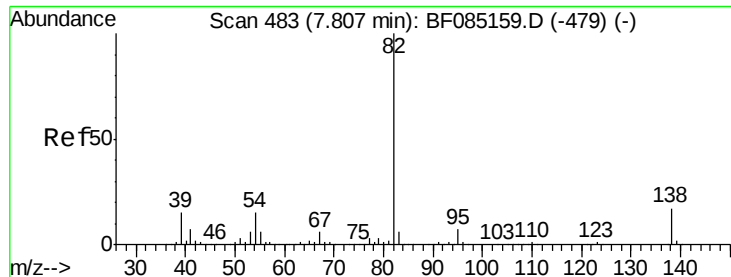


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.85 ng

RT: 7.50 min Scan# 456

Delta R.T. -0.31 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-15(0.5-2.0)

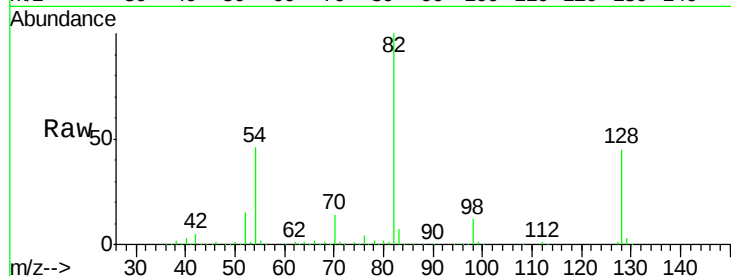
Tgt Ion: 82 Resp: 610792

Ion Ratio Lower Upper

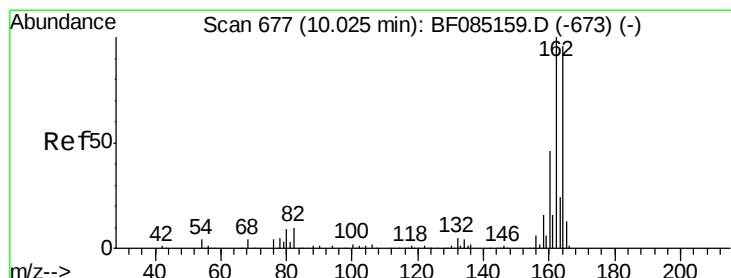
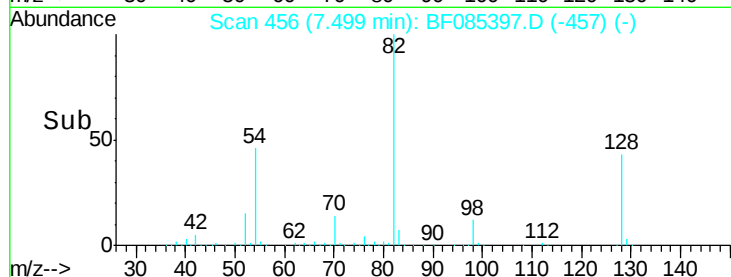
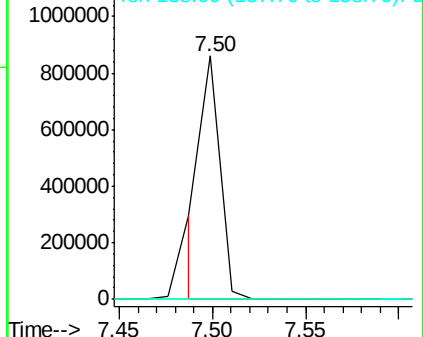
82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.05 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

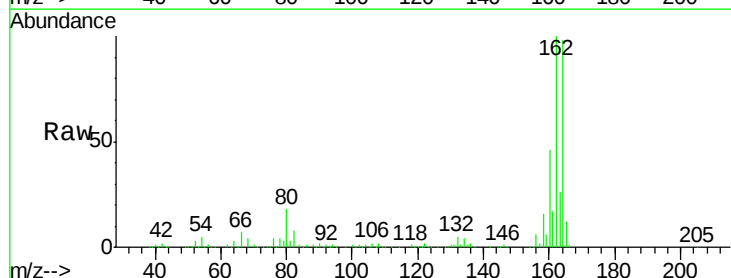
Tgt Ion: 164 Resp: 260046

Ion Ratio Lower Upper

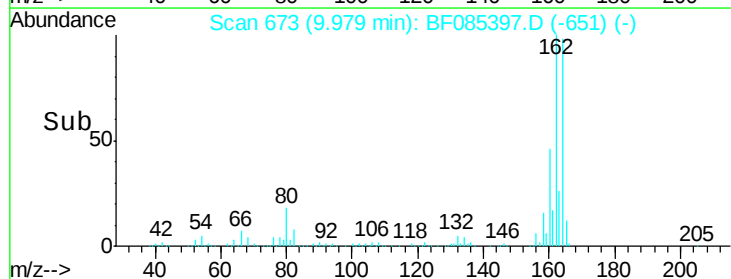
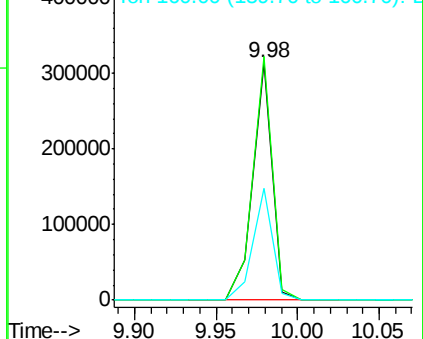
164 100

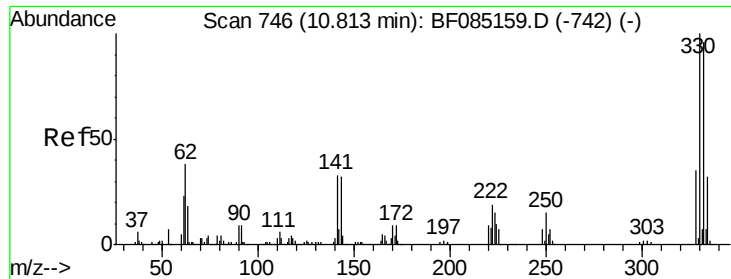
162 102.5 83.3 124.9

160 46.8 37.9 56.9



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

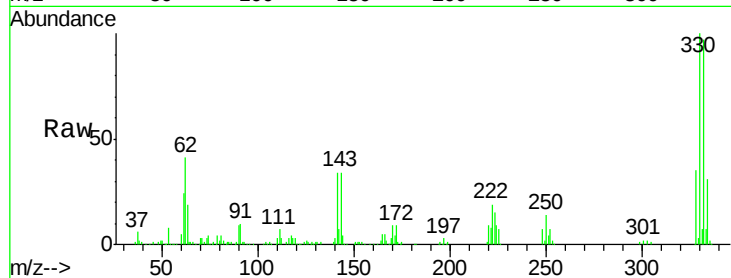




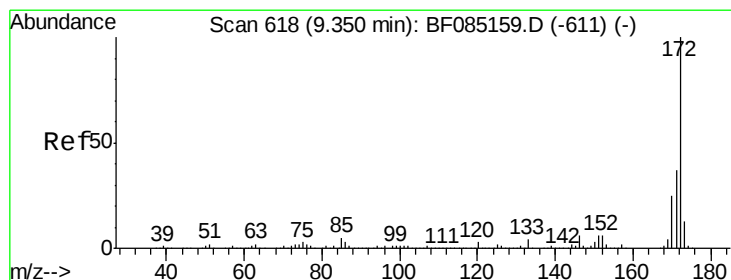
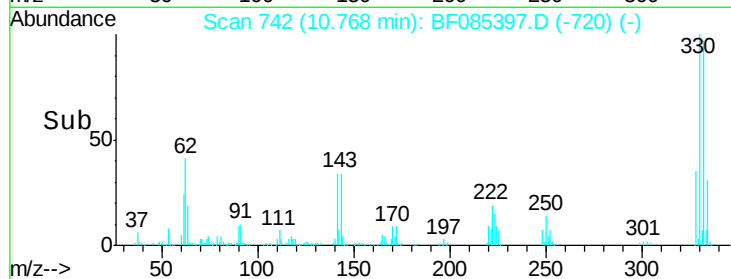
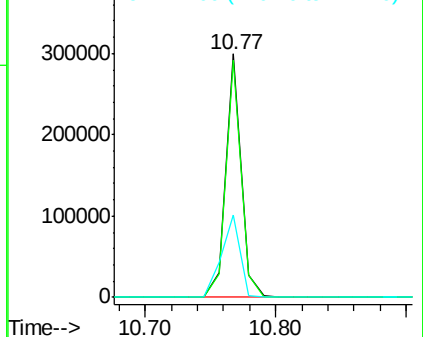
#41
 2,4,6-Tribromophenol
 Concen: 111.45 ng
 RT: 10.77 min Scan# 742
 Delta R.T. -0.05 min
 Lab File: BF085397.D
 Acq: 12 Mar 2016 4:20

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-15(0.5-2.0)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	41.5	35.0	52.6

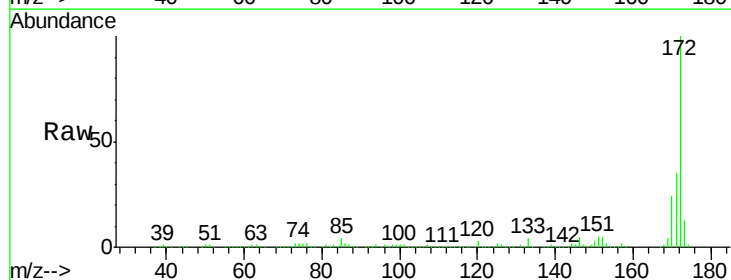


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

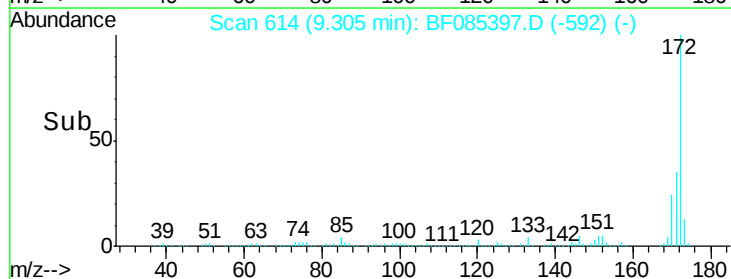
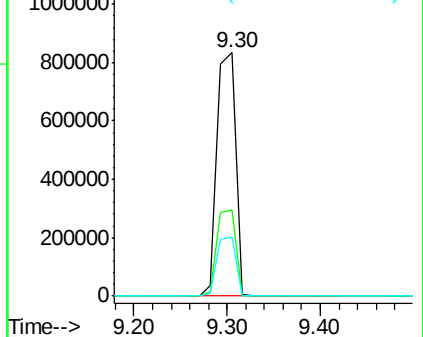


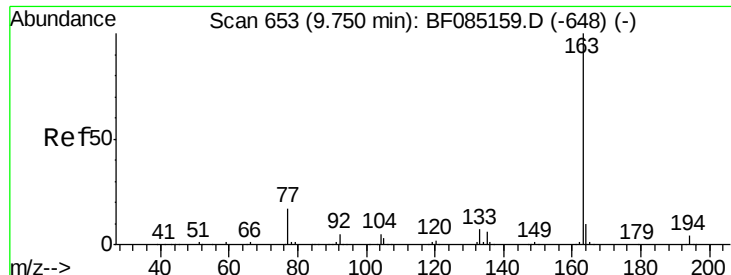
#44
 2-Fluorobiphenyl
 Concen: 67.33 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085397.D
 Acq: 12 Mar 2016 4:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.3	43.9
170	24.1	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

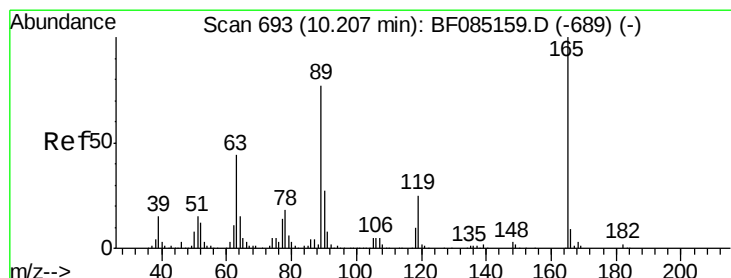
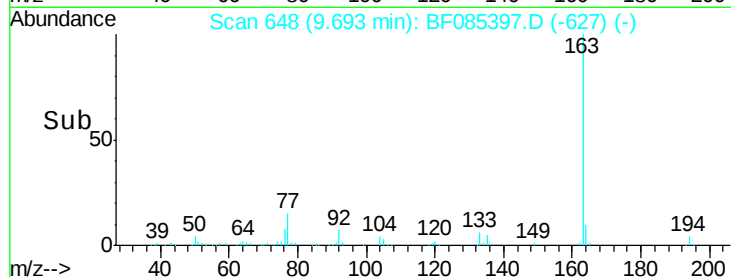
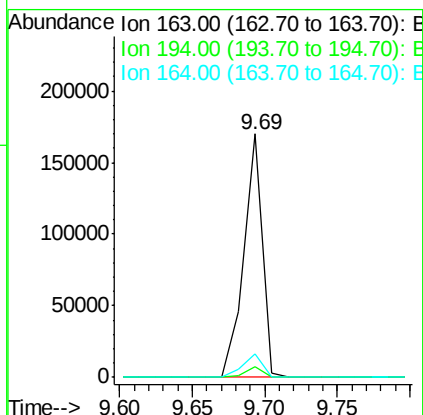
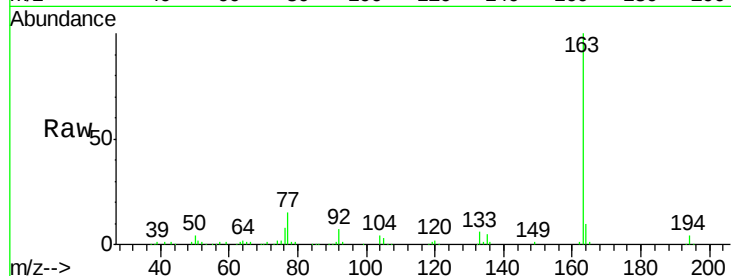




#49
Dimethylphthalate
Concen: 7.58 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

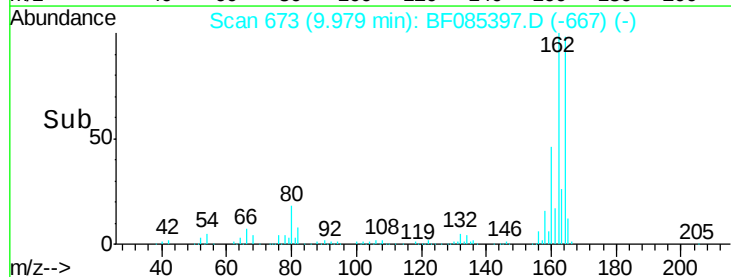
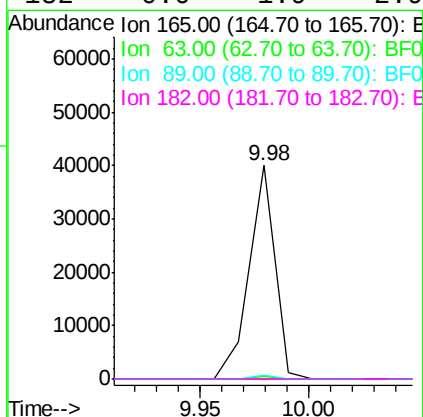
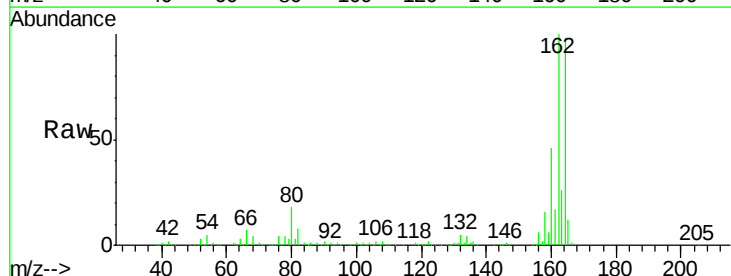
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

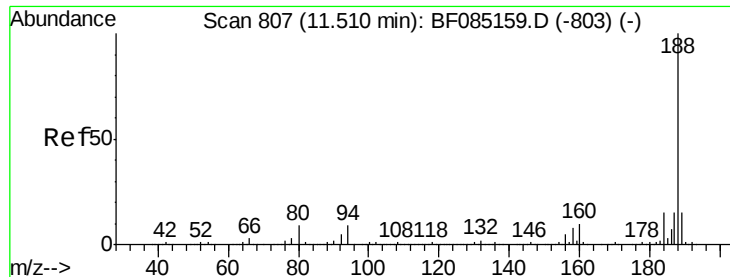
Tgt Ion:163 Resp: 151245
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 9.8 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.06 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.23 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:165 Resp: 33091
Ion Ratio Lower Upper
165 100
63 1.5 35.4 53.0#
89 1.6 61.9 92.9#
182 0.0 1.9 2.9#

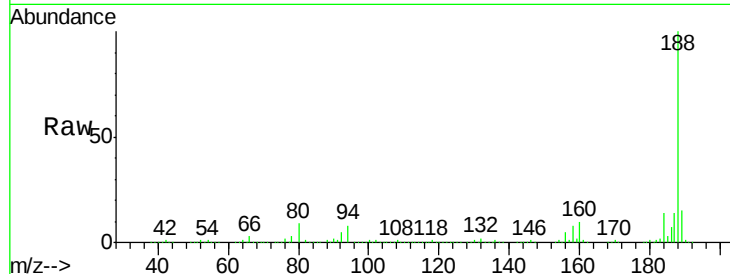




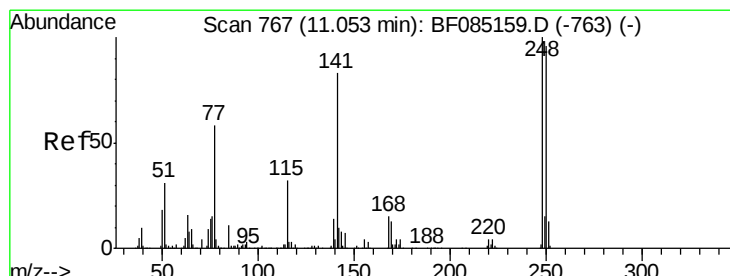
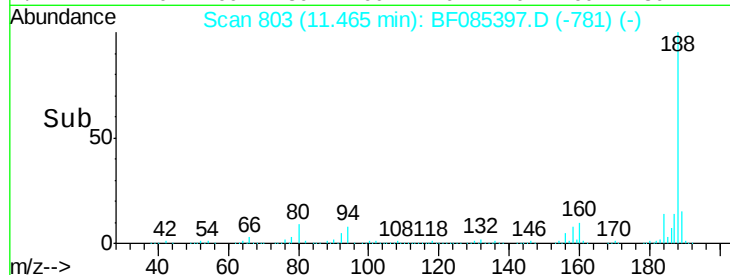
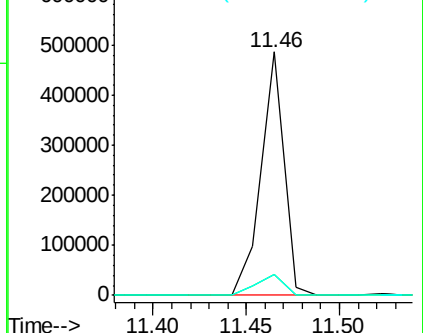
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

Tgt Ion:188 Resp: 412790
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 8.7 7.4 11.0

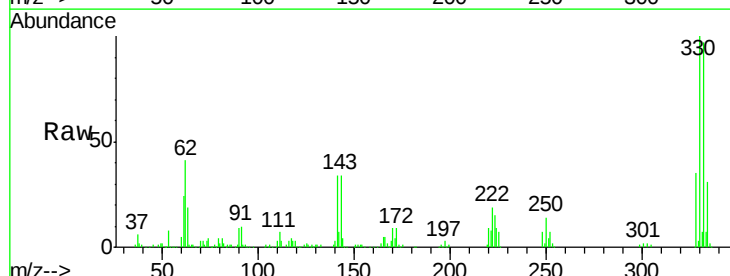


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

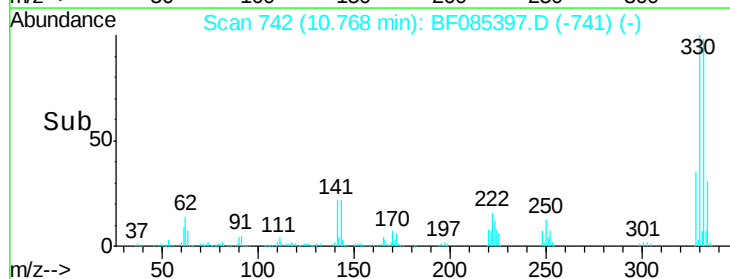
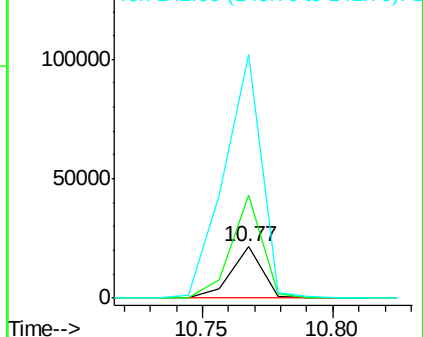


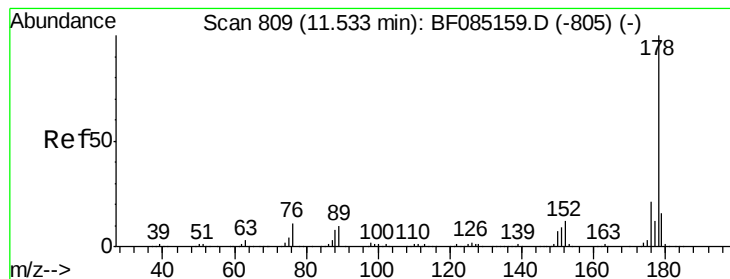
#66
4-Bromophenyl-phenylether
Concen: 4.52 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.29 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:248 Resp: 18099
Ion Ratio Lower Upper
248 100
250 201.5 77.1 115.7#
141 475.0 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: 2.57 ng

RT: 11.49 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-15(0.5-2.0)

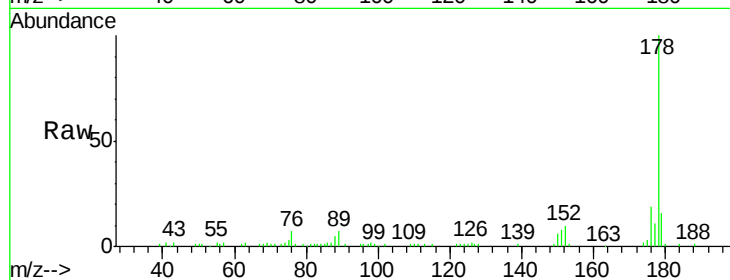
Tgt Ion:178 Resp: 55644

Ion Ratio Lower Upper

178 100

176 19.2 16.8 25.2

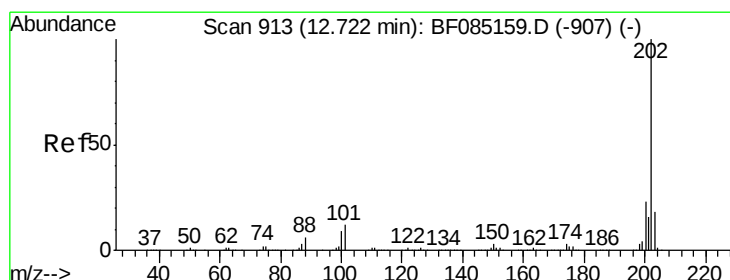
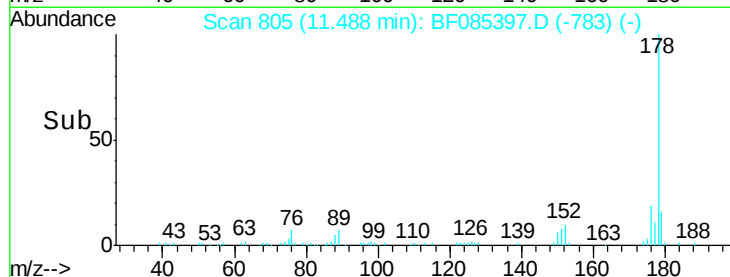
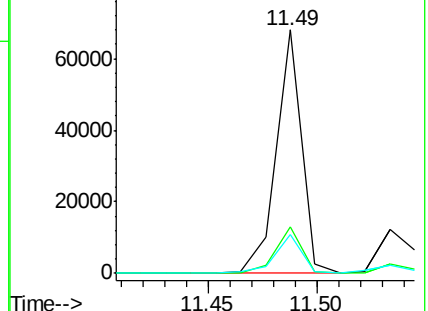
179 15.7 13.1 19.7



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



#74

Fluoranthene

Concen: 4.47 ng

RT: 12.68 min Scan# 909

Delta R.T. -0.05 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

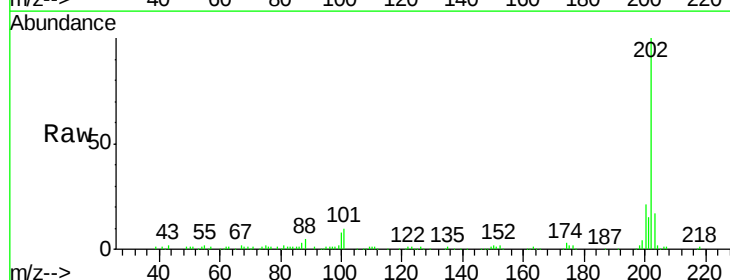
Tgt Ion:202 Resp: 97093

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.8

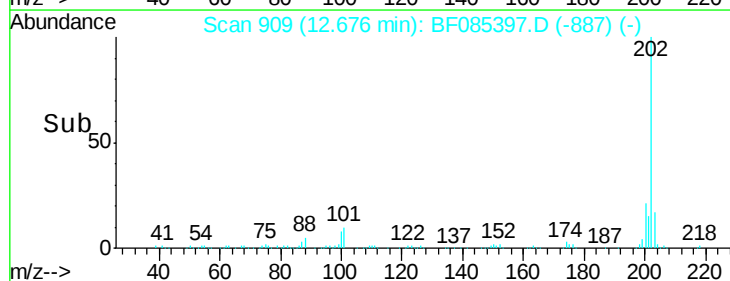
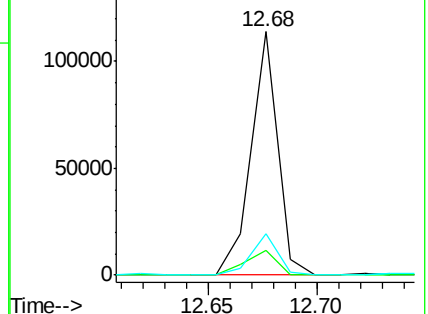
203 17.1 0.0 38.4

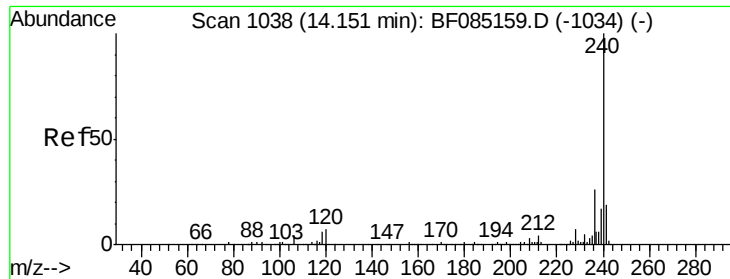


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

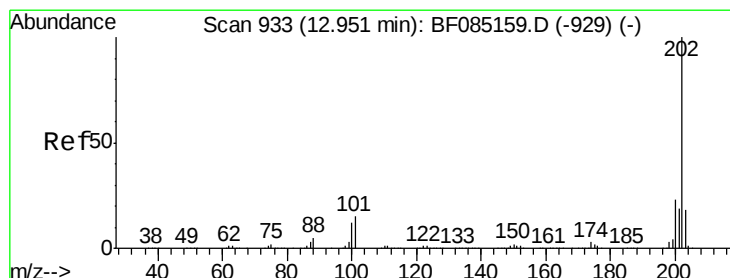
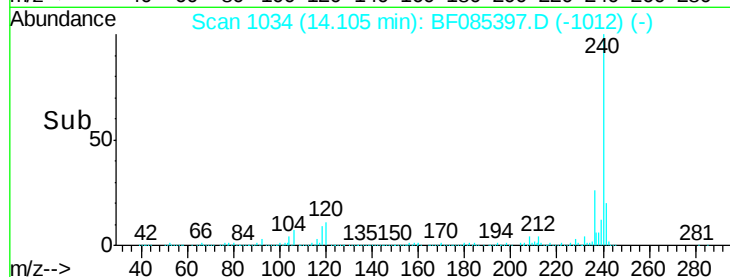
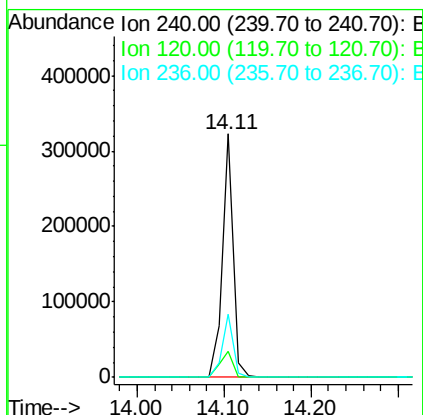
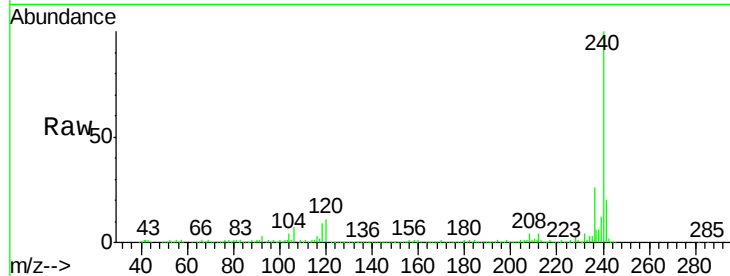




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

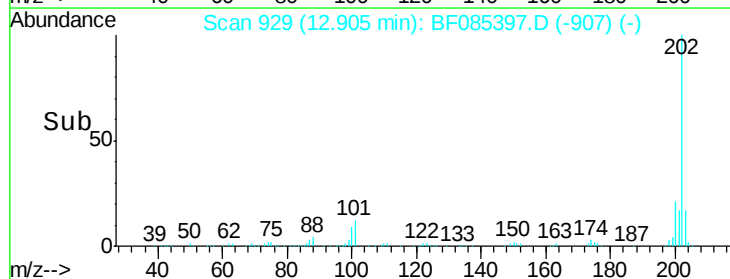
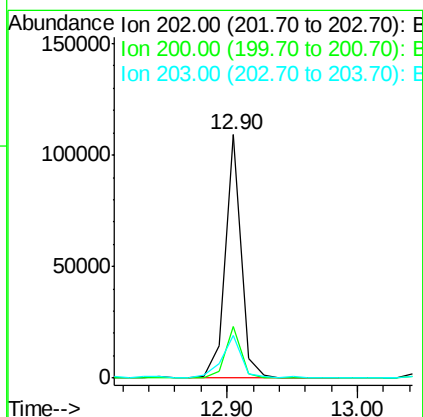
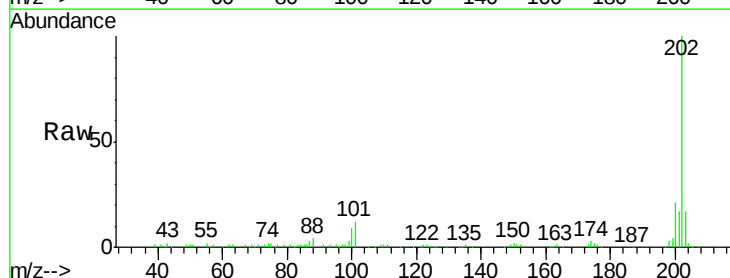
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

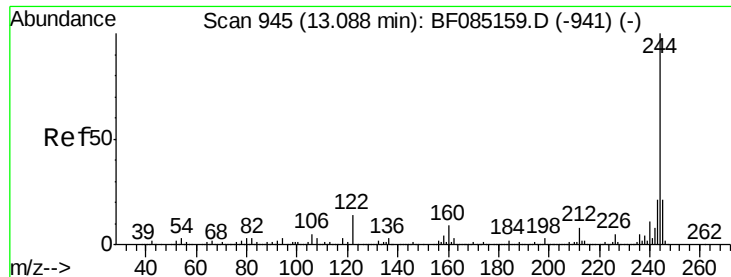
Tgt Ion:240 Resp: 285955
Ion Ratio Lower Upper
240 100
120 10.8 5.3 7.9#
236 26.1 20.7 31.1



#77
Pyrene
Concen: 4.32 ng
RT: 12.90 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion:202 Resp: 92920
Ion Ratio Lower Upper
202 100
200 21.3 18.2 27.4
203 17.4 14.7 22.1

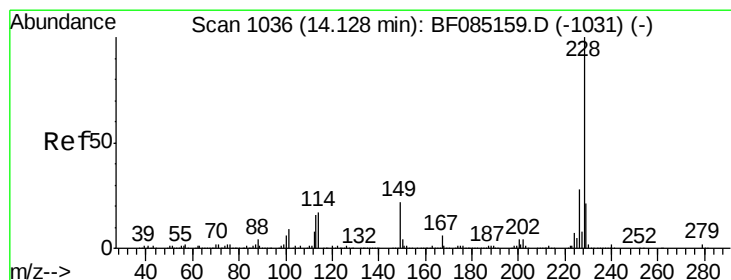
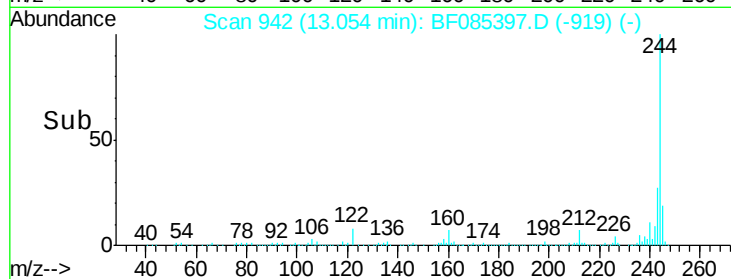
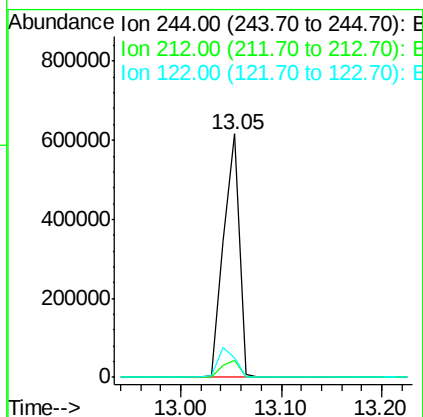
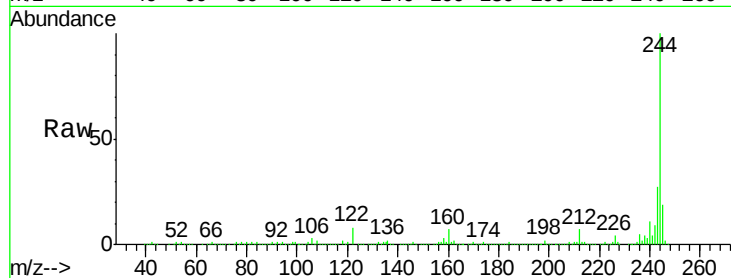




#78
 Terphenyl-d14
 Concen: 54.26 ng
 RT: 13.05 min Scan# 942
 Delta R.T. -0.03 min
 Lab File: BF085397.D
 Acq: 12 Mar 2016 4:20

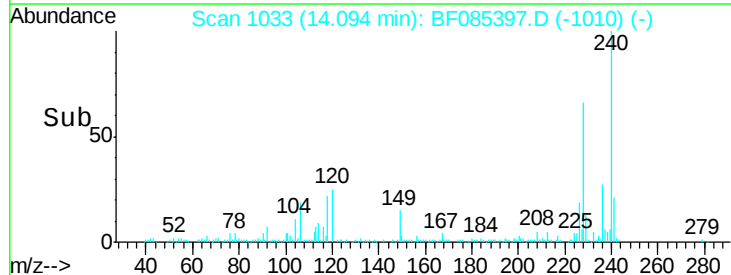
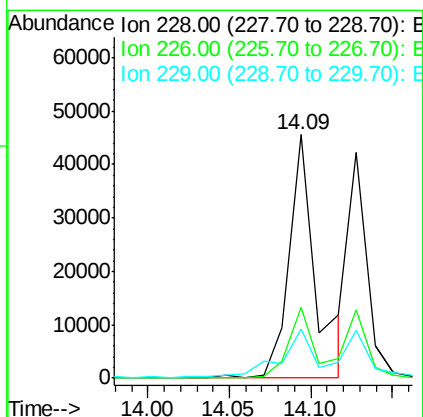
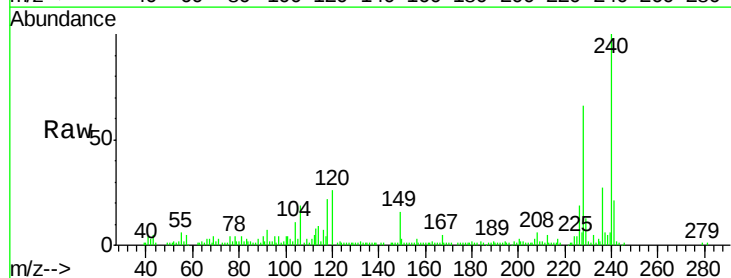
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-15(0.5-2.0)

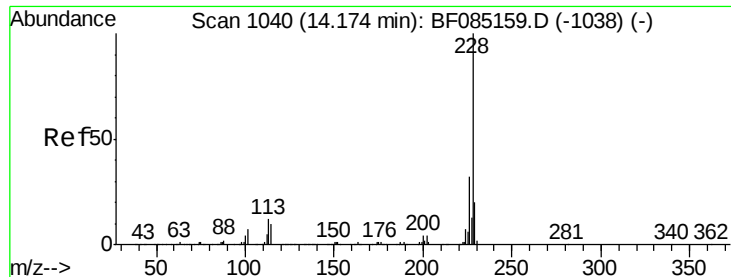
Tgt Ion: 244 Resp: 668426
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.4 9.6
 122 8.2 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 3.06 ng
 RT: 14.09 min Scan# 1033
 Delta R.T. -0.03 min
 Lab File: BF085397.D
 Acq: 12 Mar 2016 4:20

Tgt Ion: 228 Resp: 52407
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.8 34.2
 229 20.0 16.6 24.8





#82

Chrysene

Concen: 2.19 ng

RT: 14.13 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-15(0.5-2.0)

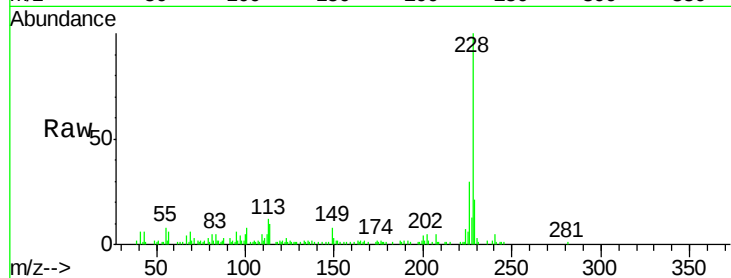
Tgt Ion: 228 Resp: 34705

Ion Ratio Lower Upper

228 100

226 30.4 25.2 37.8

229 21.1 16.0 24.0

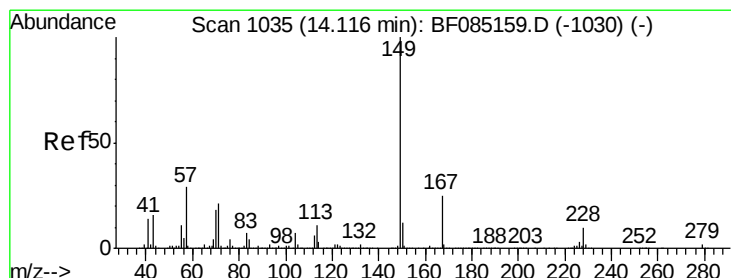
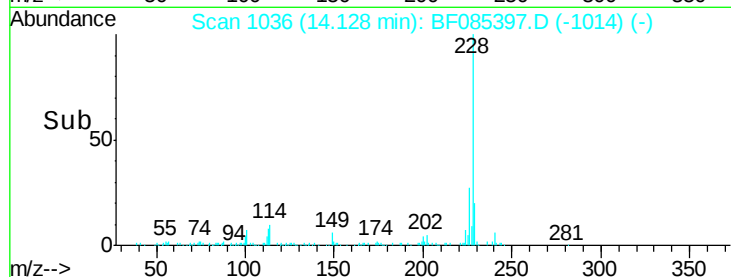
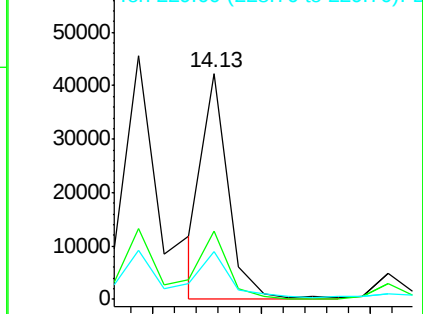


Abundance

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: 3.87 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF085397.D

Acq: 12 Mar 2016 4:20

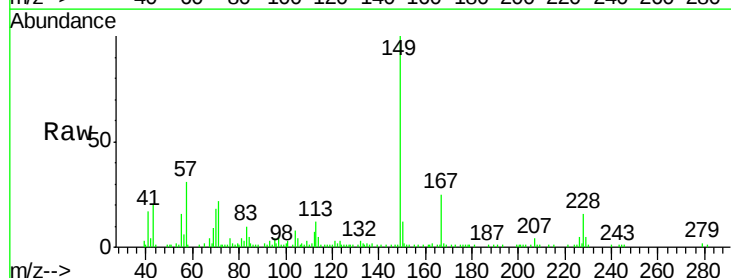
Tgt Ion: 149 Resp: 49761

Ion Ratio Lower Upper

149 100

167 24.9 20.3 30.5

279 2.3 1.9 2.9

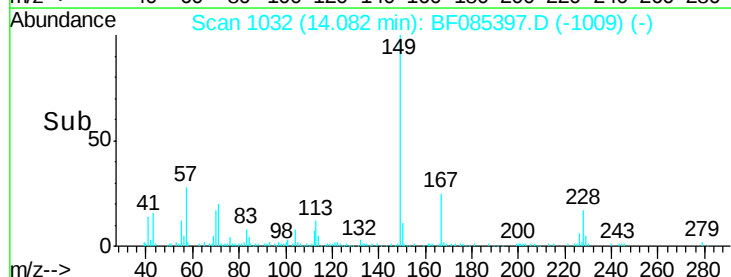
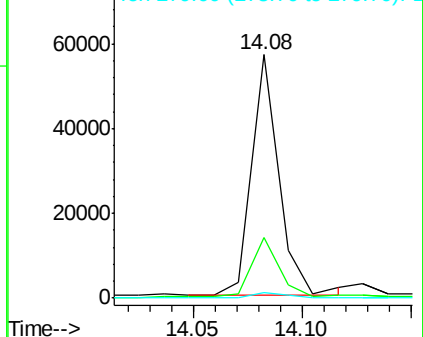


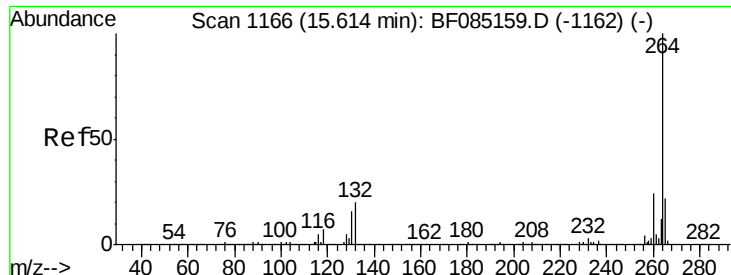
Abundance

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

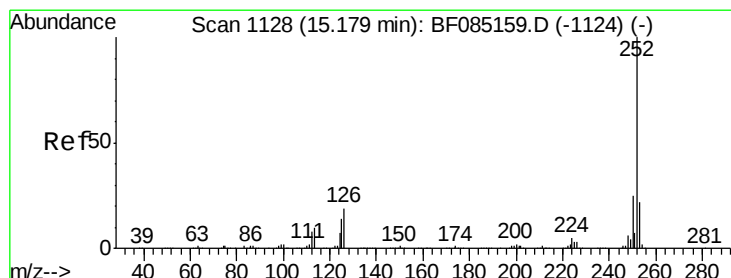
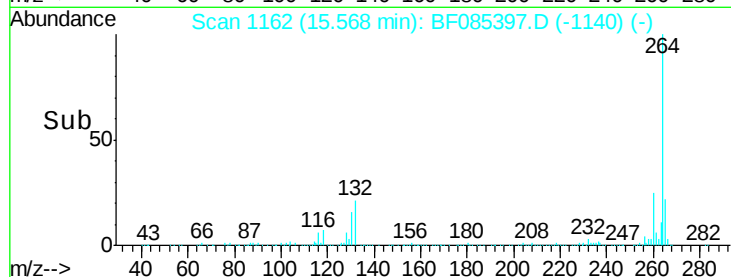
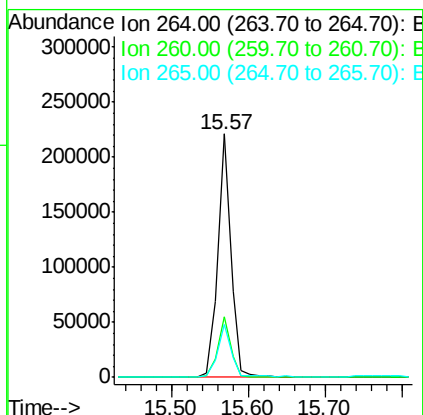
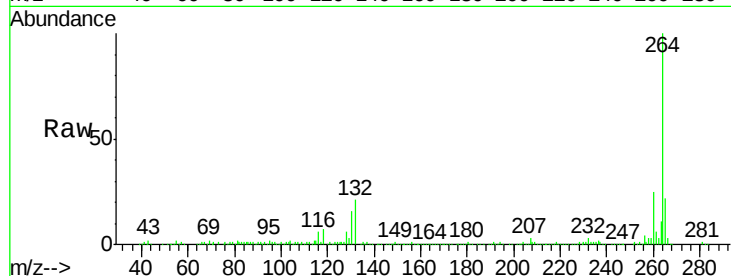




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

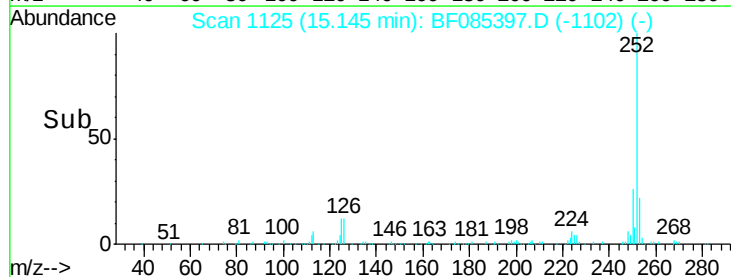
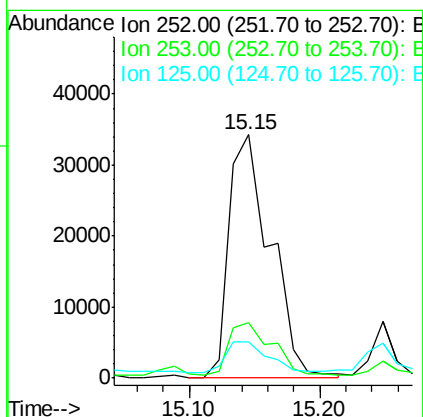
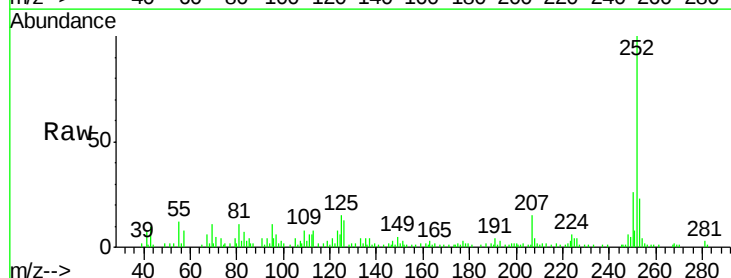
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

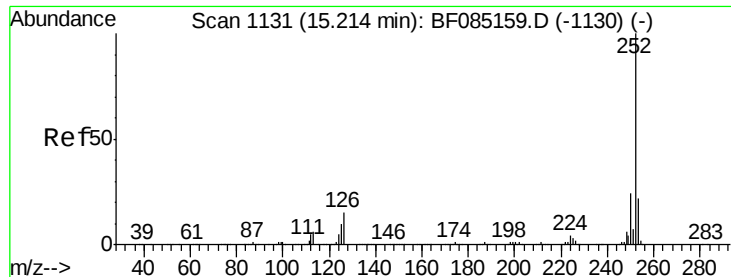
Tgt Ion: 264 Resp: 265802
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 21.9 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.29 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion: 252 Resp: 76011
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 14.7 11.3 16.9

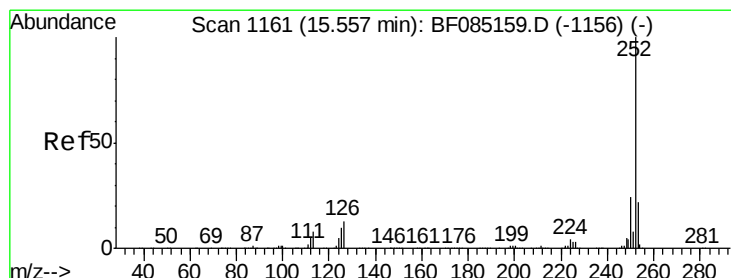
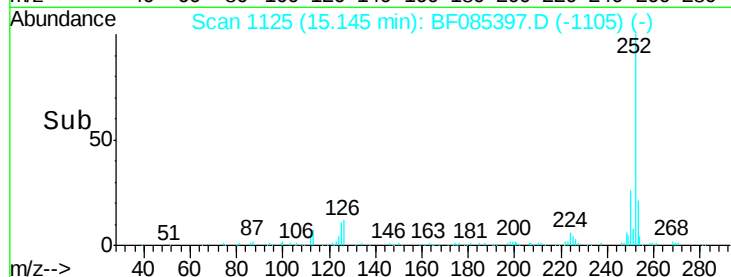
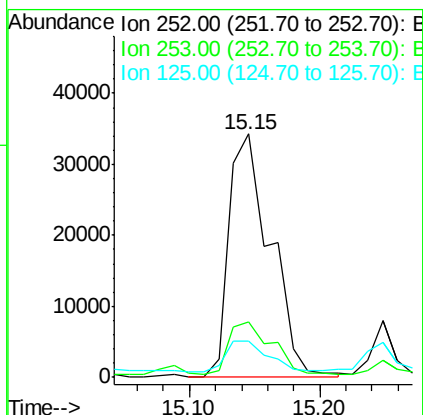
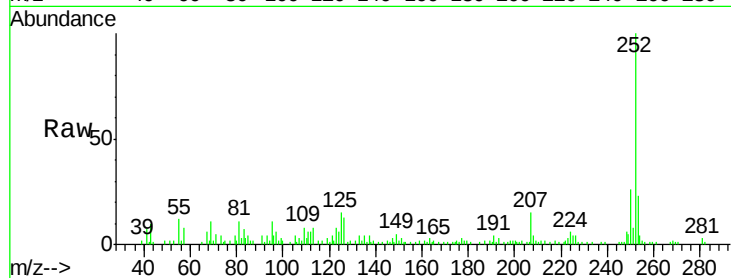




#88
Benzo(k)fluoranthene
Concen: 5.32 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.07 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-15(0.5-2.0)

Tgt Ion: 252 Resp: 76011
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 14.7 10.4 15.6



#89
Benzo(a)pyrene
Concen: 2.68 ng
RT: 15.50 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF085397.D
Acq: 12 Mar 2016 4:20

Tgt Ion: 252 Resp: 39374
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 16.9 8.2 12.4#

