

Data Path : Z:\HPCHEM1\BNA F\Data\BF032116\
 Data File : BF085660.D
 Acq On : 22 Mar 2016 11:16
 Operator : UM/SJ
 Sample : H1799-18DL 500X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 12:59:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	120416	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	491644	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	201706	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	337661	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	233114	20.00	ng	-0.02
86) Perylene-d12	15.42	264	231795	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	495	0.07	ng	0.01
7) Phenol-d6	6.47	99	2565	0.28	ng	-0.02
23) Nitrobenzene-d5	7.41	82	1357	0.16	ng	-0.02
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.20	172	3850	-1.00	ng	-0.02
78) Terphenyl-d14	12.94	244	2516	0.26	ng	-0.02

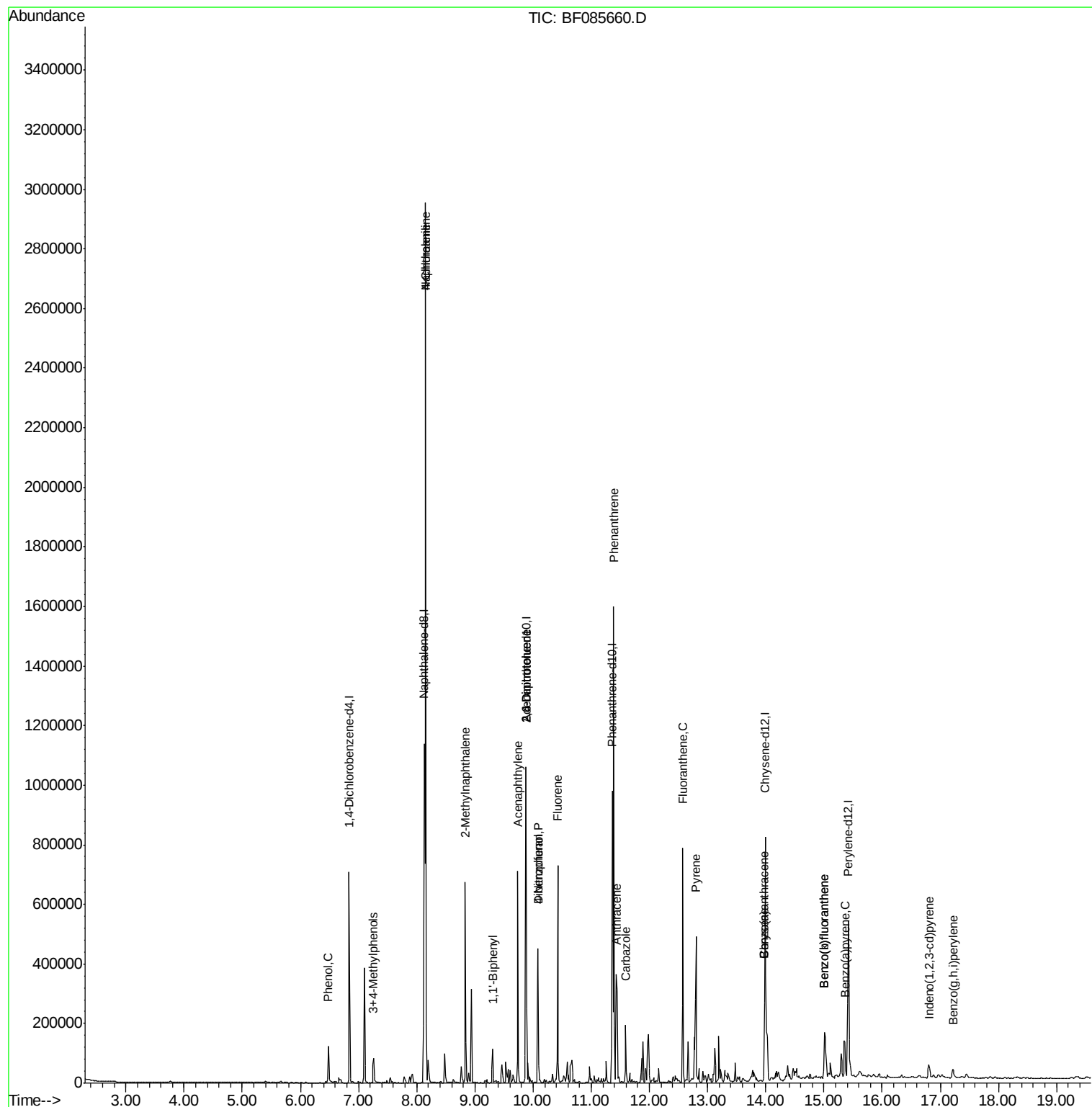
Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	246	Below Cal	#	1
10) Phenol	6.48	94	51170	4.89	ng	91
20) 3+4-Methylphenols	7.26	107	33342	4.19	ng	53
31) Naphthalene	8.15	128	1294844	52.18	ng	100
33) 4-Chloroaniline	8.15	127	178457	17.54	ng	35
37) 2-Methylnaphthalene	8.84	142	181079	11.97	ng	98
45) 1,1'-Biphenyl	9.30	154	43607	2.51	ng	93
48) Acenaphthylene	9.74	152	274704	13.35	ng	99
50) 2,6-Dinitrotoluene	9.88	165	28489	8.87	ng	19
54) Dibenzofuran	10.08	168	166756	10.61	ng	98
55) 4-Nitrophenol	10.08	139	67452	21.69	ng	11
56) 2,4-Dinitrotoluene	9.88	165	28829	6.85	ng	37
57) Fluorene	10.42	166	195504	14.92	ng	99
70) Phenanthrene	11.38	178	547623	30.76	ng	99
71) Anthracene	11.44	178	216999	11.62	ng	96
72) Carbazole	11.59	167	73920	4.59	ng	98
74) Fluoranthene	12.57	202	329558	17.68	ng	91
77) Pyrene	12.80	202	239053	14.28	ng	98
80) Benzo(a)anthracene	13.98	228	112518	8.31	ng	91
82) Chrysene	13.98	228	112518	8.64	ng	94
85) Indeno(1,2,3-cd)pyrene	16.80	276	32522	2.99	ng	95
87) Benzo(b)fluoranthene	15.01	252	124703	8.25	ng	99
88) Benzo(k)fluoranthene	15.01	252	124703	10.01	ng	96
89) Benzo(a)pyrene	15.36	252	72675	5.67	ng	95
91) Benzo(g,h,i)perylene	17.23	276	25954	2.51	ng	98

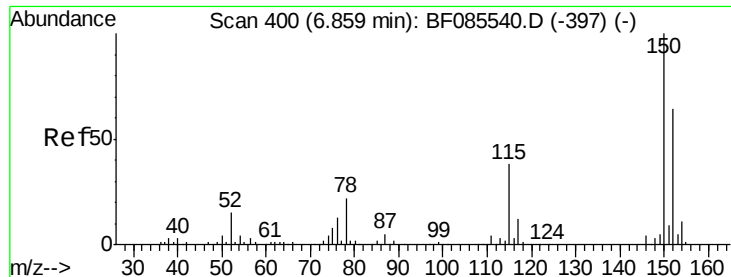
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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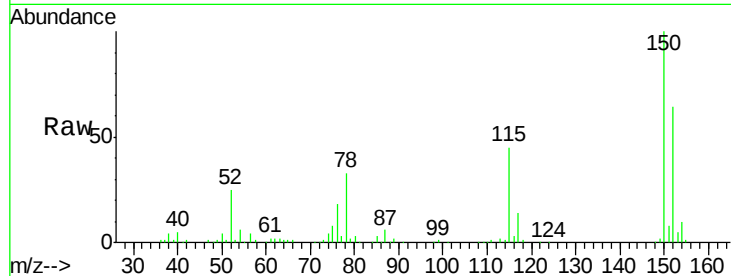


#1

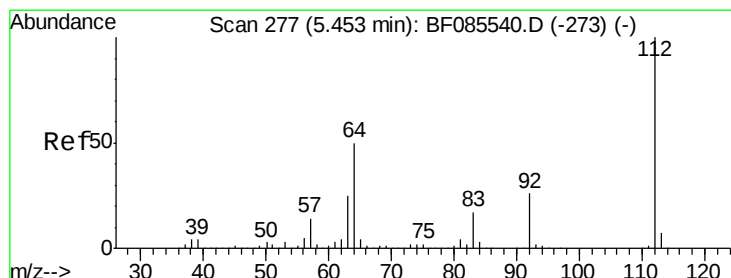
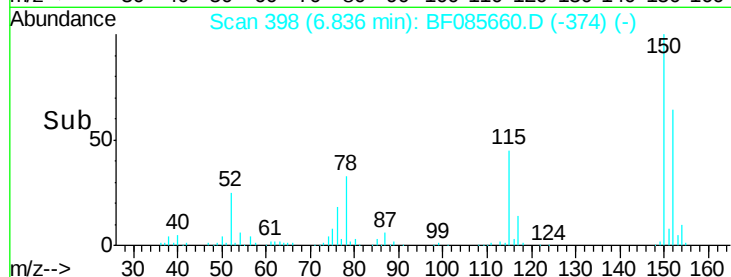
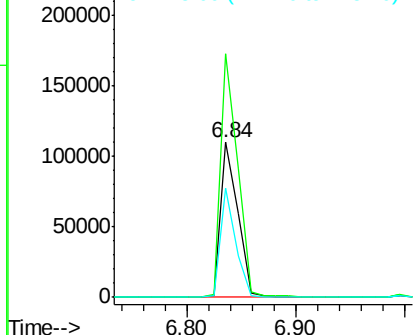
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120416
Ion Ratio Lower Upper
152 100
150 157.4 124.2 186.2
115 70.9 47.0 70.6#



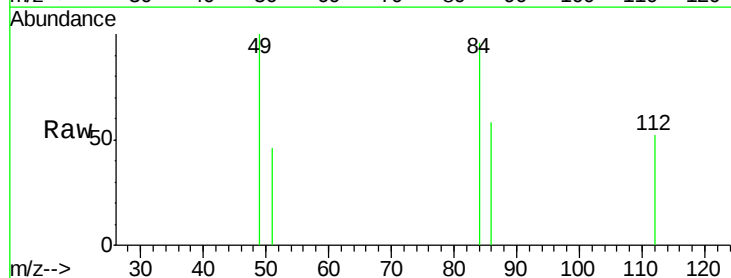
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



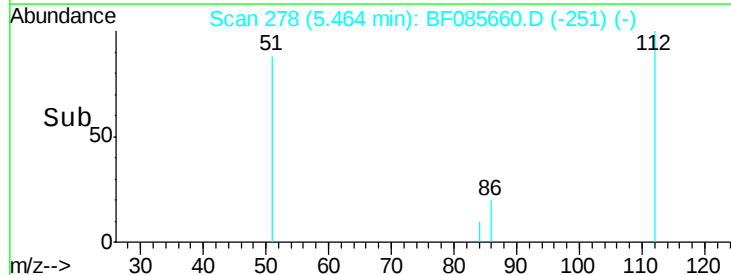
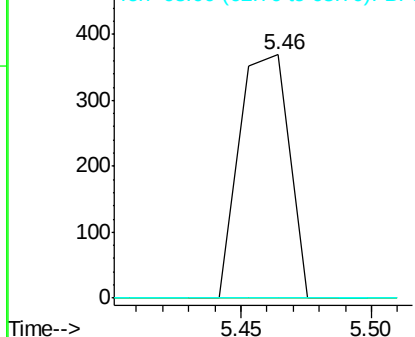
#5

2-Fluorophenol
Concen: 0.07 ng
RT: 5.46 min Scan# 278
Delta R.T. 0.01 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion:112 Resp: 495
Ion Ratio Lower Upper
112 100
64 0.0 39.9 59.9#
63 0.0 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: 0.28 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampleId :

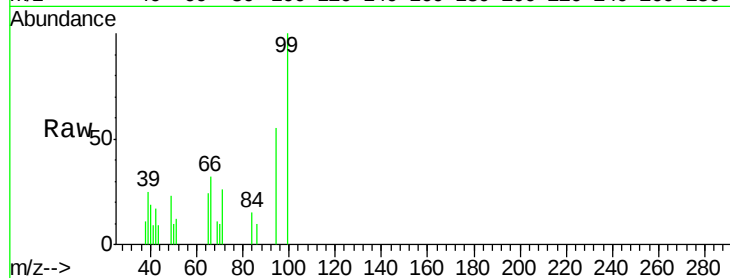
Tot Ion: 99 Resp: 2565

Ion Ratio Lower Upper

99 100

42 16.7 11.1 16.7#

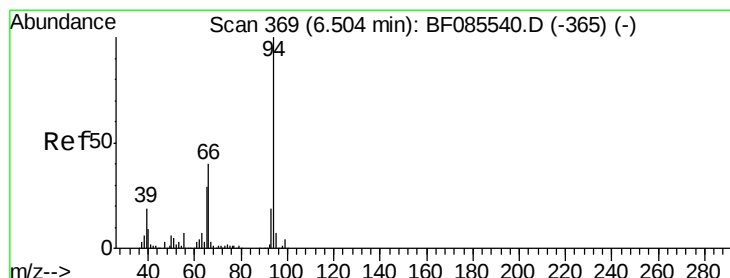
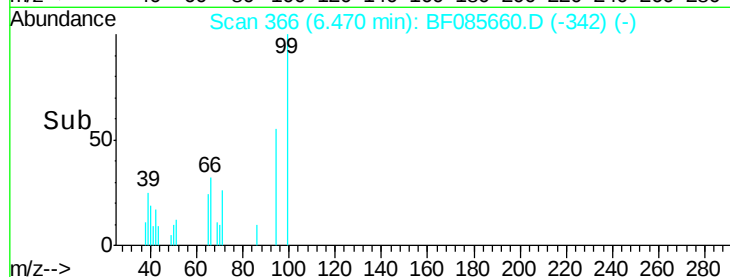
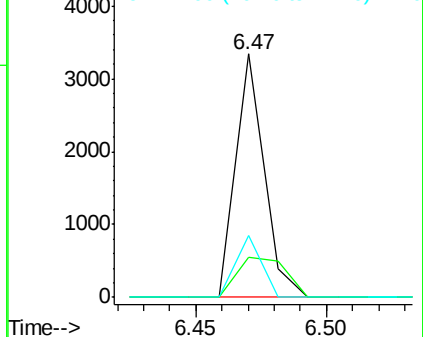
71 25.7 24.9 37.3



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



#10

Phenol

Concen: 4.89 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

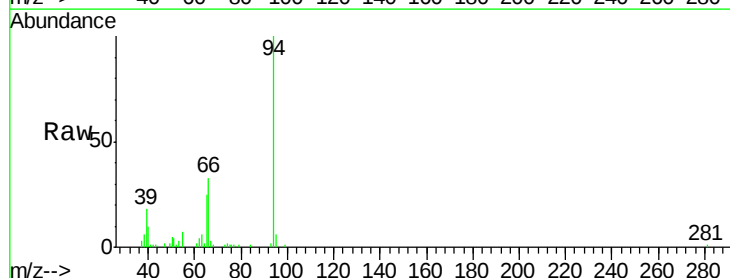
Tgt Ion: 94 Resp: 51170

Ion Ratio Lower Upper

94 100

65 25.1 8.6 48.6

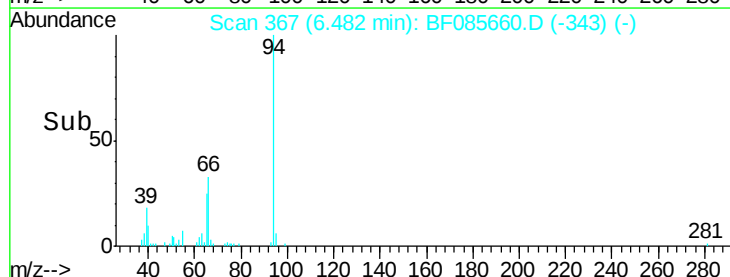
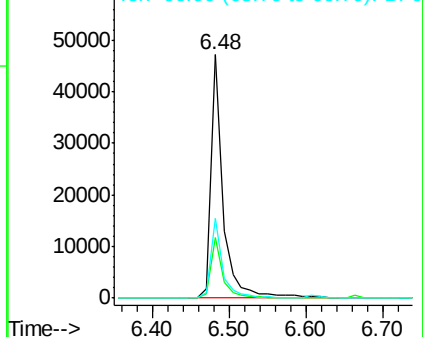
66 32.9 20.0 60.0

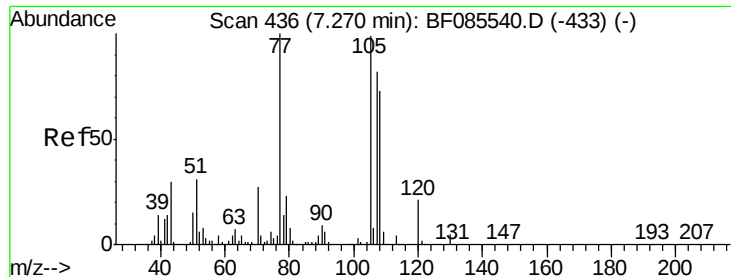


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#20

3+4-Methylphenols

Concen: 4.19 ng

RT: 7.26 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 33342

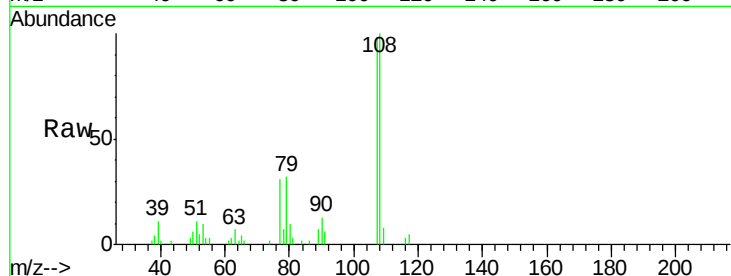
Ion Ratio Lower Upper

107 100

108 101.9 69.3 109.3

77 31.2 101.7 141.7#

79 32.7 8.3 48.3

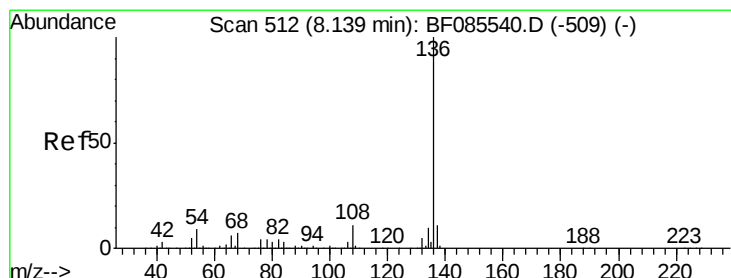
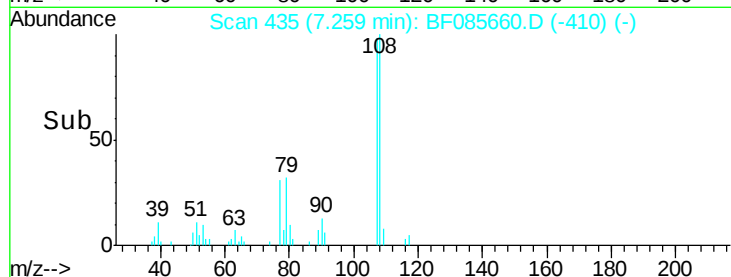
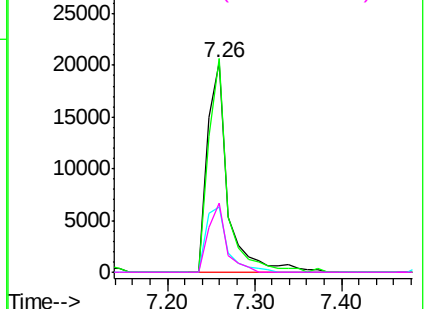


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Tgt Ion:136 Resp: 491644

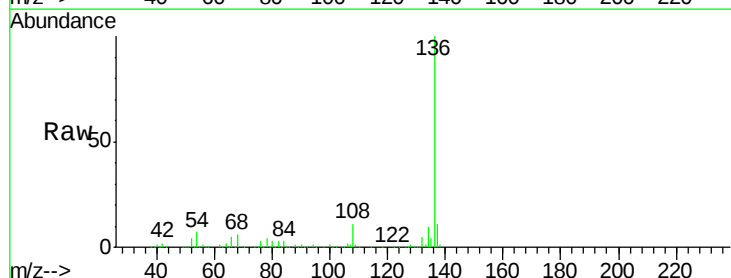
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.8 7.4 11.0#

68 5.8 5.8 8.8#

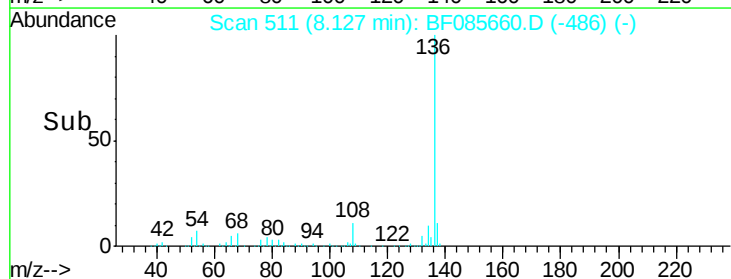
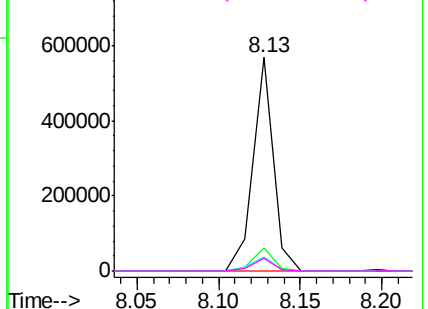


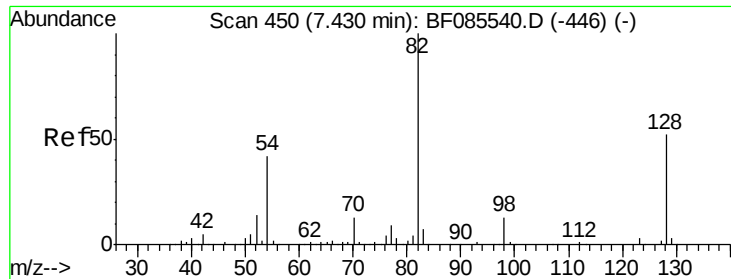
Abundance Ion 136.00 (135.70 to 136.70): E

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

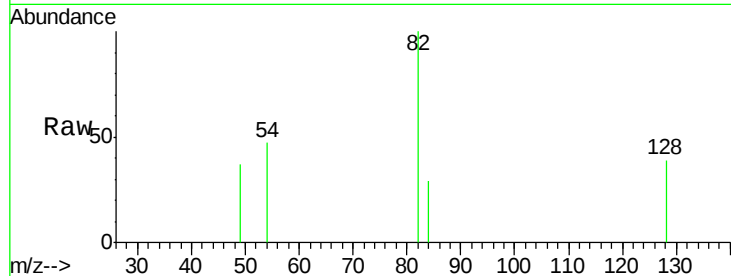




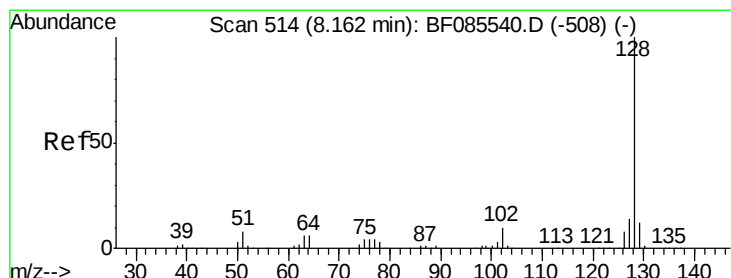
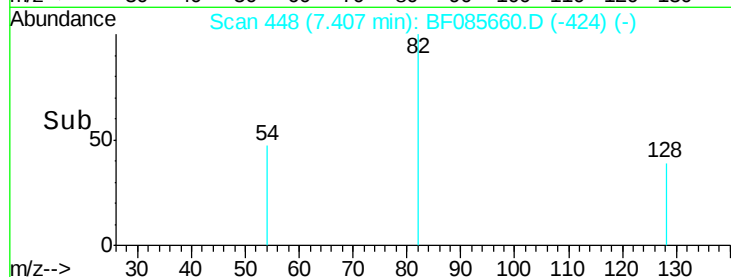
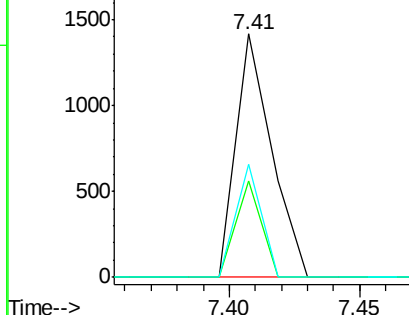
#23
Nitrobenzene-d5
Concen: 0.16 ng
RT: 7.41 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1357
Ion Ratio Lower Upper
82 100
128 39.4 41.8 62.8#
54 46.6 33.4 50.0

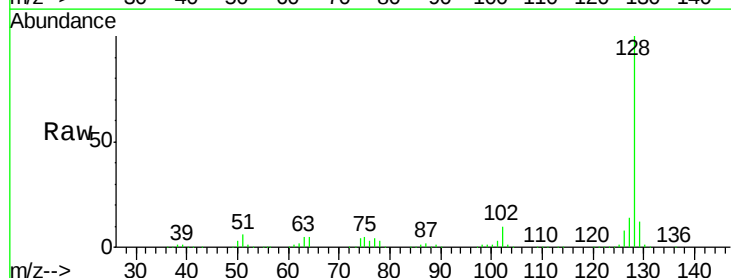


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

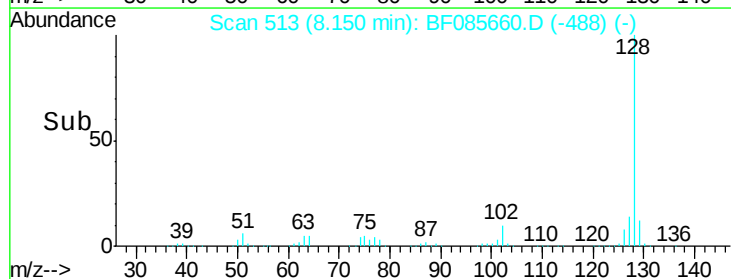
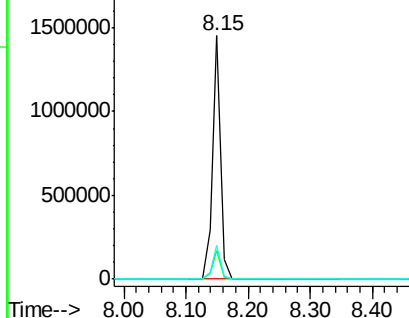


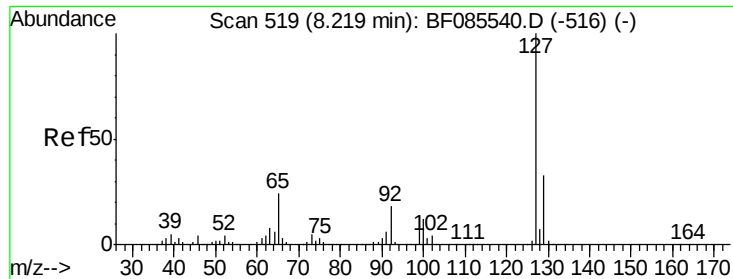
#31
Naphthalene
Concen: 52.18 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.01 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion:128 Resp: 1294844
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.0
127 14.0 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

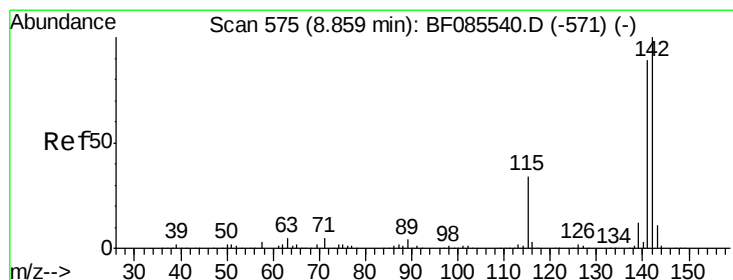
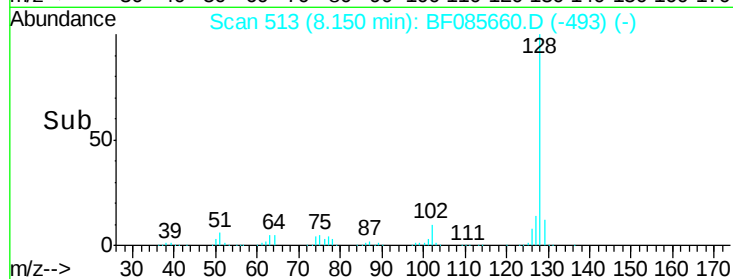
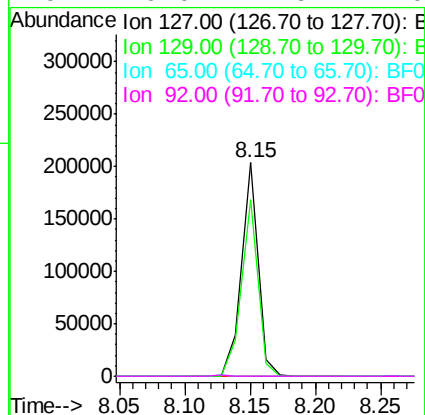
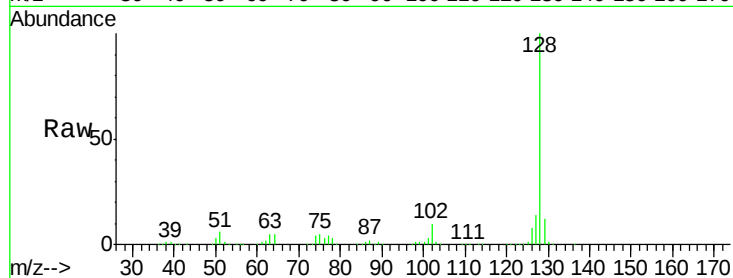




#33
4-Chloroaniline
Concen: 17.54 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.07 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

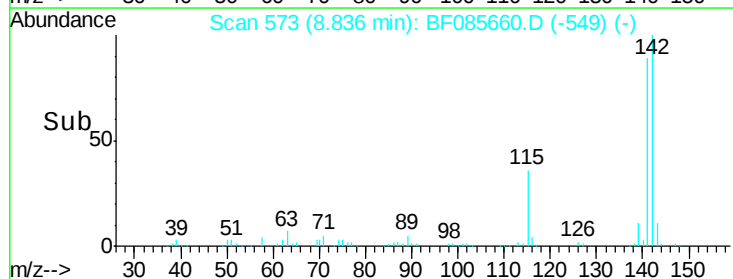
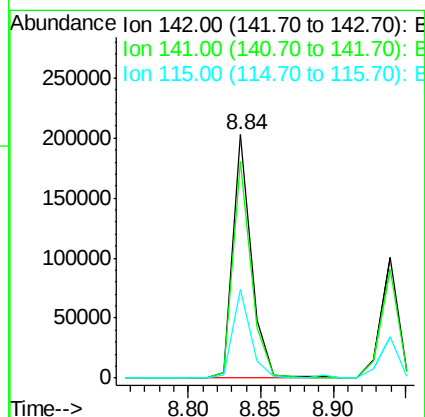
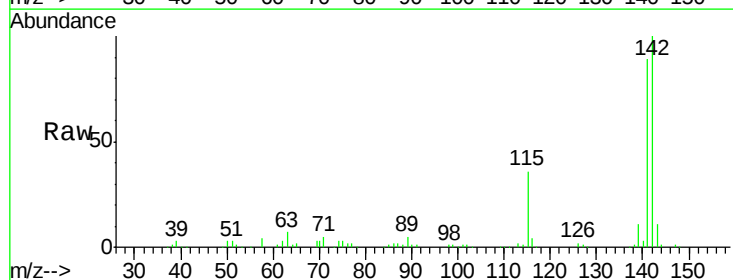
Instrument :
BNA_F
ClientSampleId :

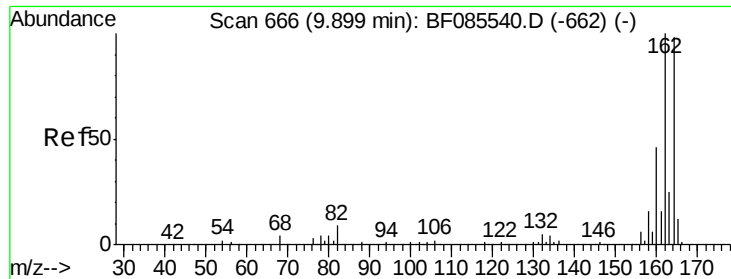
Tot Ion:	127	Resp:	178457
Ion Ratio	Lower	Upper	
127	100		
129	83.0	26.1	39.1#
65	0.0	19.5	29.3#
92	0.0	14.6	22.0#



#37
2-Methylnaphthalene
Concen: 11.97 ng
RT: 8.84 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion:	142	Resp:	181079
Ion Ratio	Lower	Upper	
142	100		
141	89.0	71.6	107.4
115	36.4	26.8	40.2

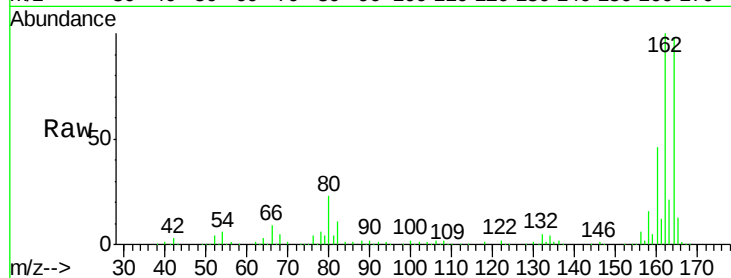




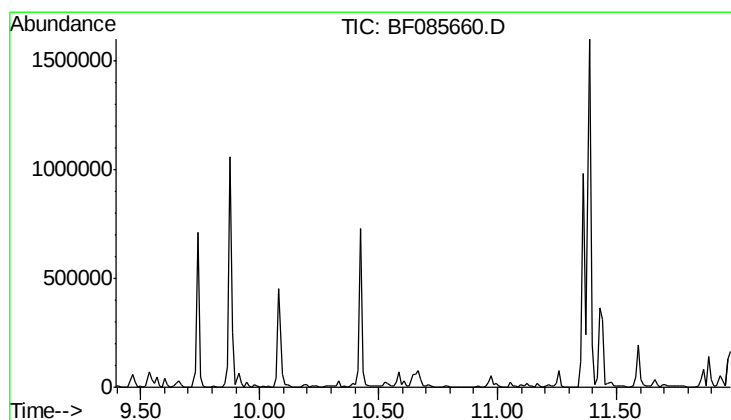
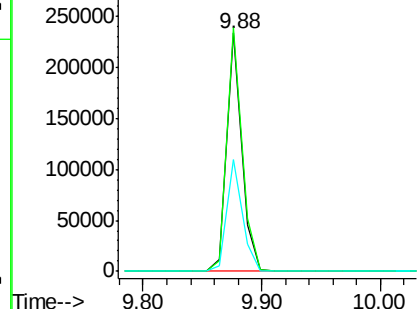
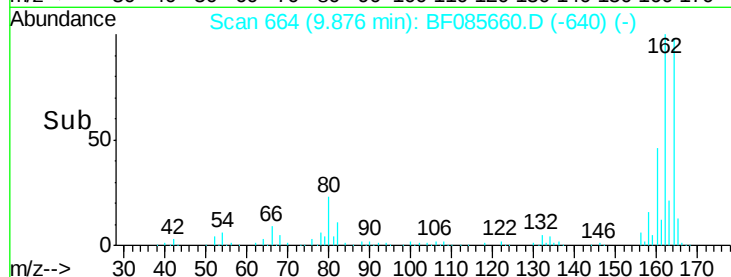
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 201706
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.1 123.1
 160 46.7 37.4 56.2



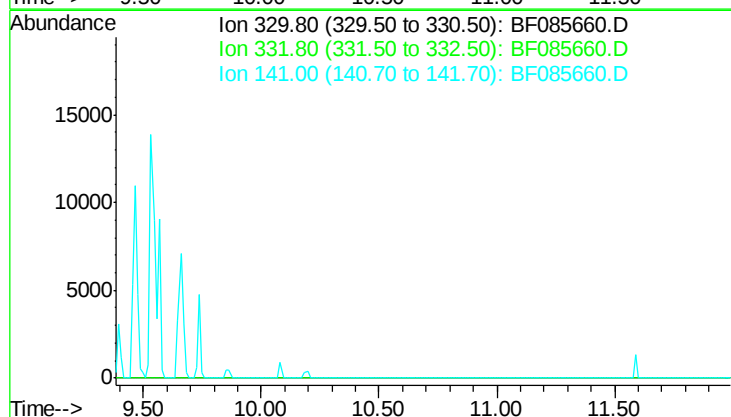
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

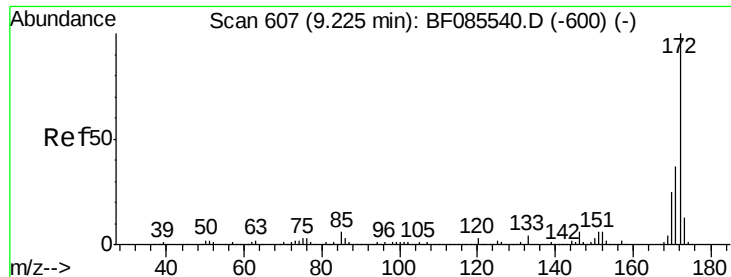


#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.69 min

Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 97.7
 141 39.4

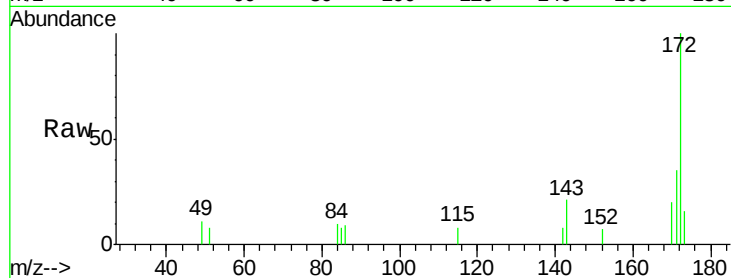




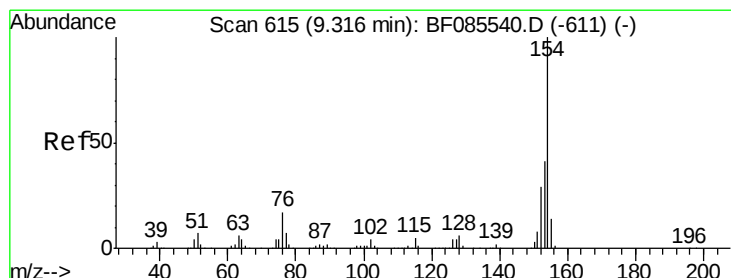
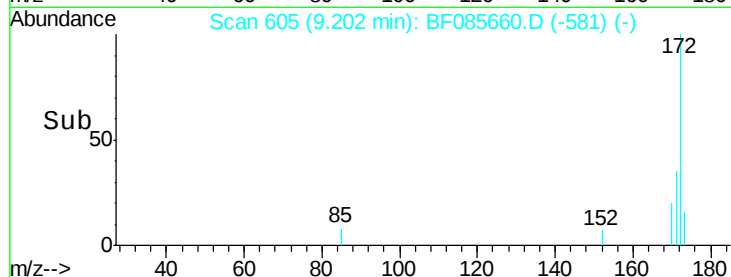
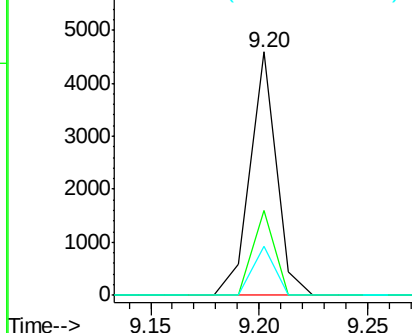
#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 3850
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.4 44.2
 170 19.9 19.8 29.6

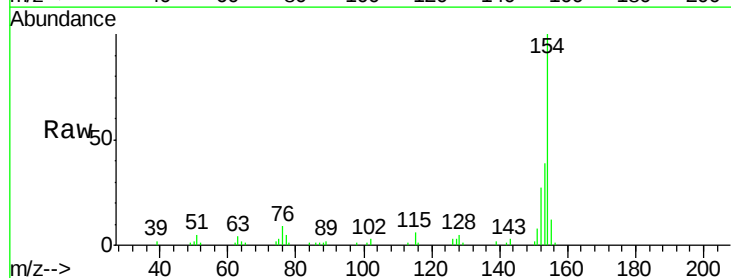


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

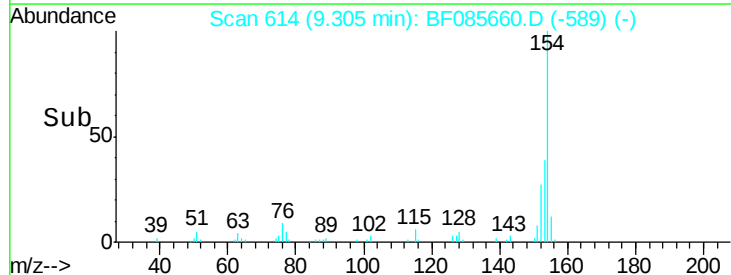
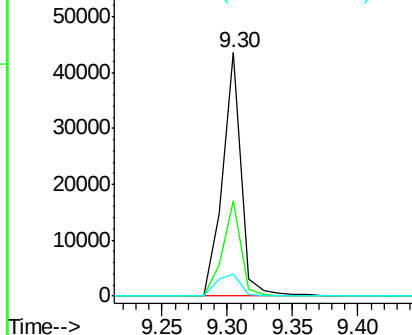


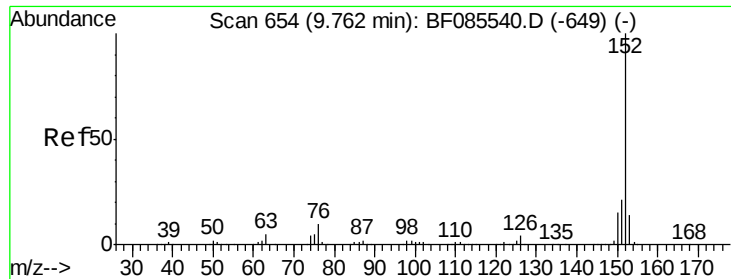
#45
 1,1'-Biphenyl
 Concen: 2.51 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Tgt Ion:154 Resp: 43607
 Ion Ratio Lower Upper
 154 100
 153 39.1 20.8 60.8
 76 9.1 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 13.35 ng

RT: 9.74 min Scan# 652

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampleId :

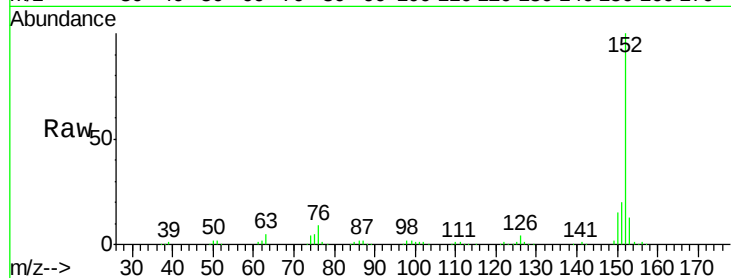
Tot Ion:152 Resp: 274704

Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

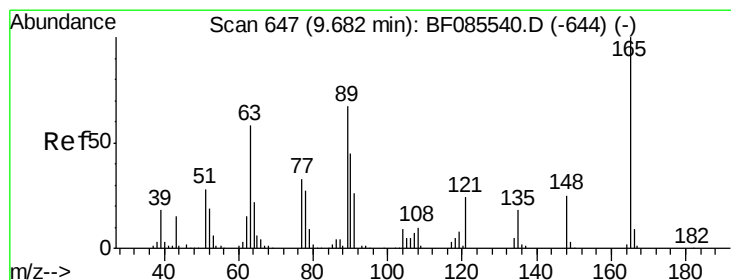
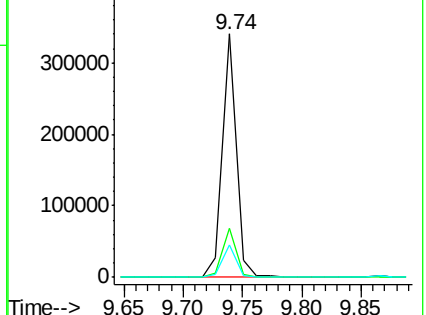
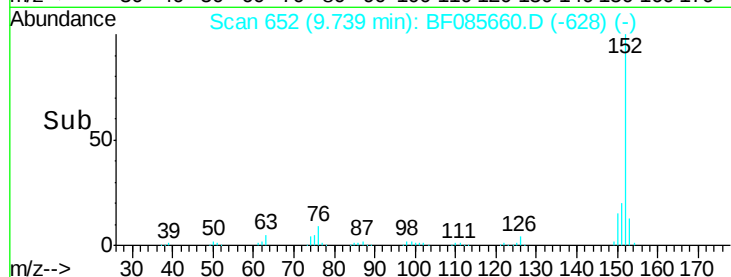
153 13.2 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 8.87 ng

RT: 9.88 min Scan# 664

Delta R.T. 0.19 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

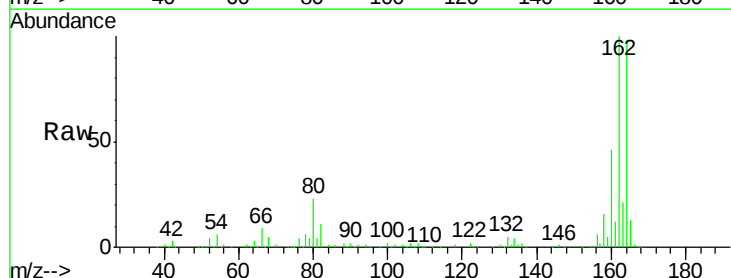
Tgt Ion:165 Resp: 28489

Ion Ratio Lower Upper

165 100

63 1.6 51.8 77.8#

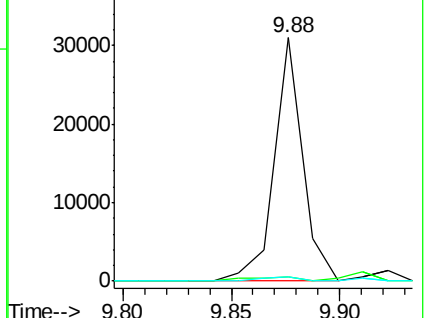
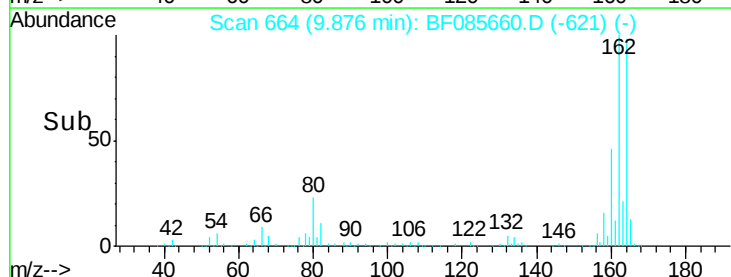
89 1.7 53.7 80.5#

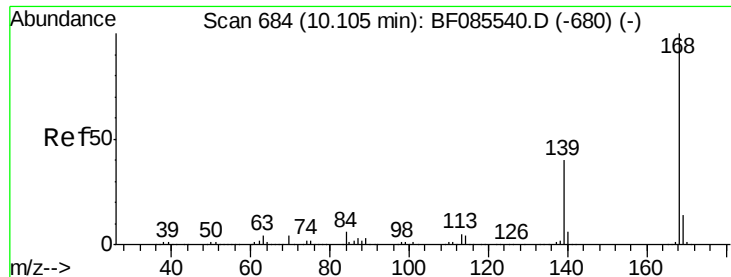


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

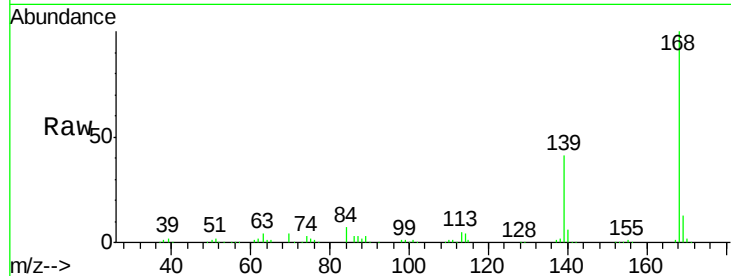




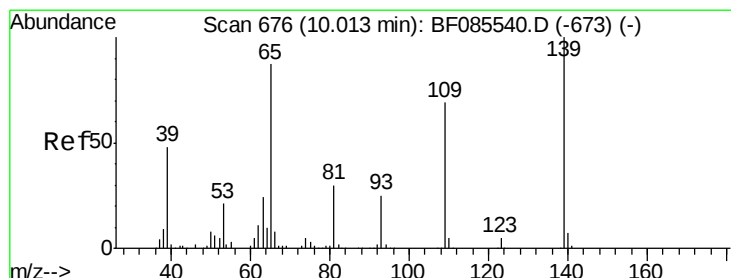
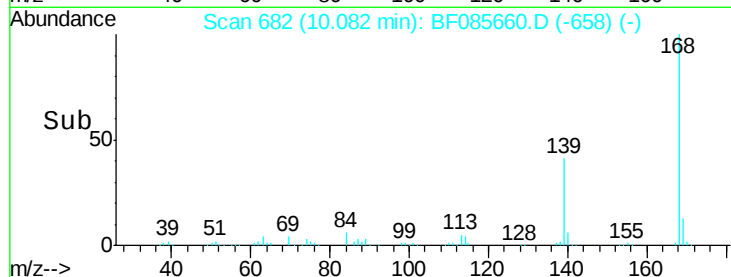
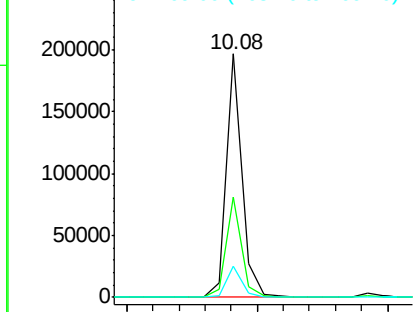
#54
Dibenzofuran
Concen: 10.61 ng
RT: 10.08 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 166756
Ion Ratio Lower Upper
168 100
139 41.0 31.9 47.9
169 13.0 11.0 16.6

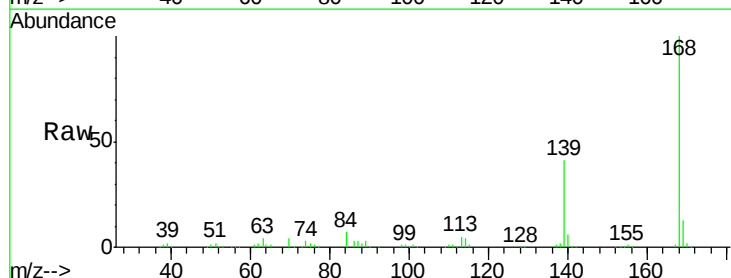


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

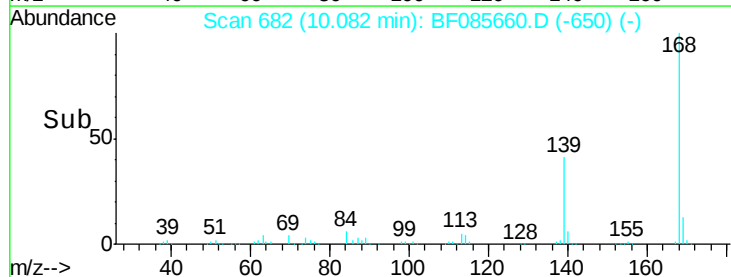
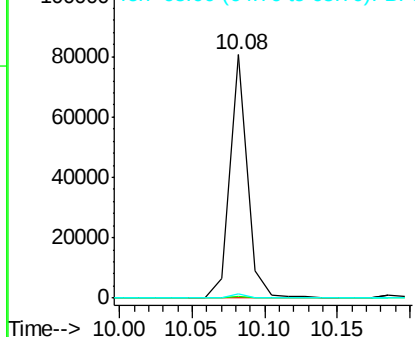


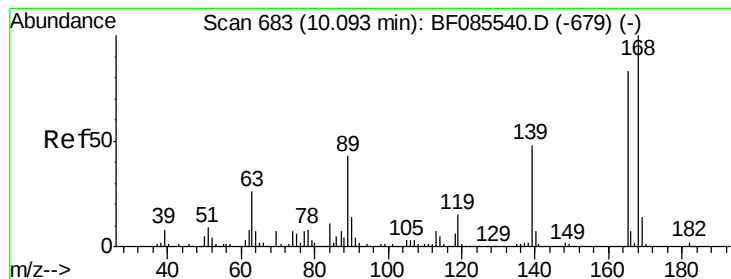
#55
4-Nitrophenol
Concen: 21.69 ng
RT: 10.08 min Scan# 682
Delta R.T. 0.07 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion:139 Resp: 67452
Ion Ratio Lower Upper
139 100
109 0.9 49.2 89.2#
65 1.5 66.9 106.9#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.85 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.22 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 28829

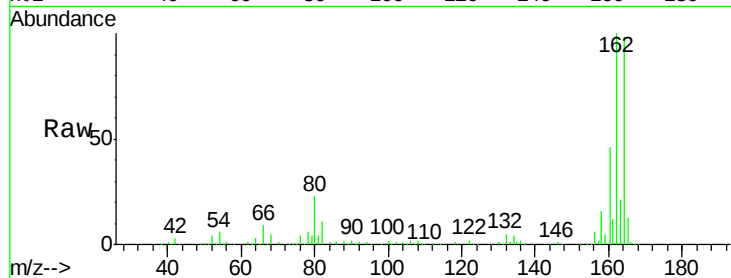
Ion Ratio Lower Upper

165 100

63 1.6 24.9 37.3#

89 1.7 41.0 61.6#

182 0.0 2.1 3.1#

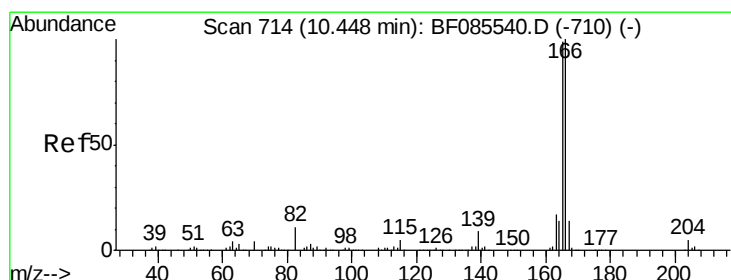
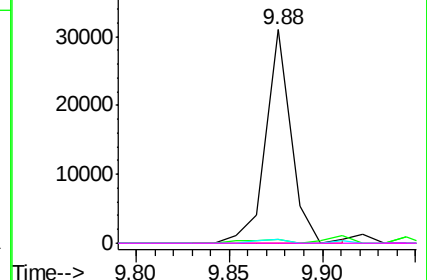
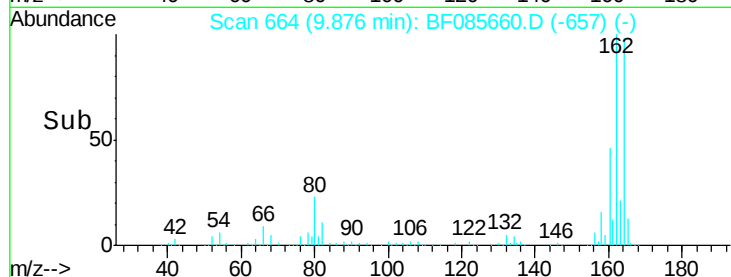


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 14.92 ng

RT: 10.42 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

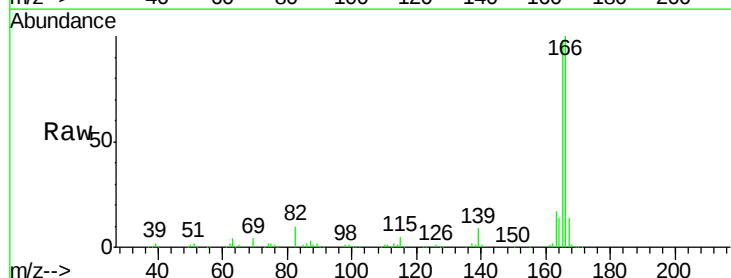
Tgt Ion:166 Resp: 195504

Ion Ratio Lower Upper

166 100

165 98.3 79.4 119.0

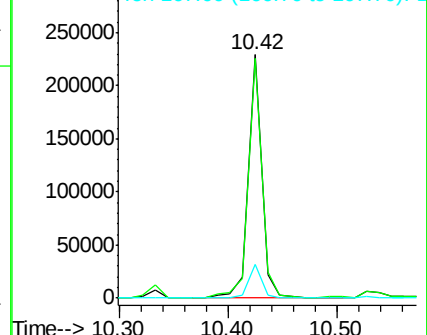
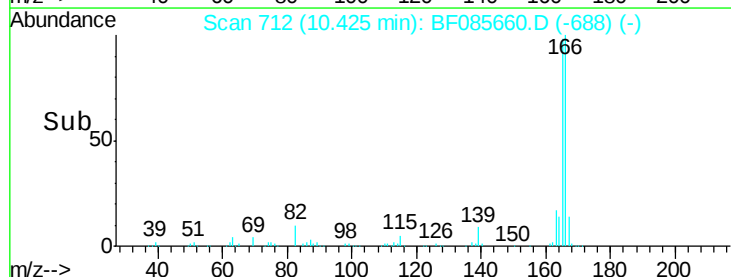
167 13.6 11.0 16.4

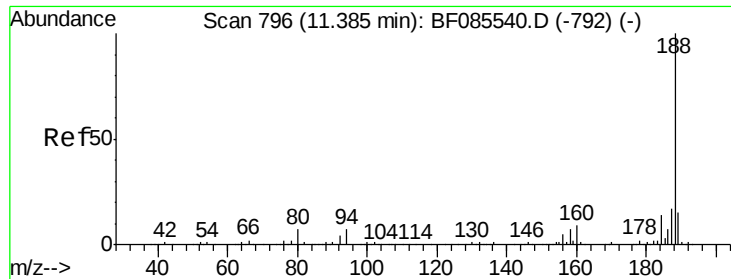


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

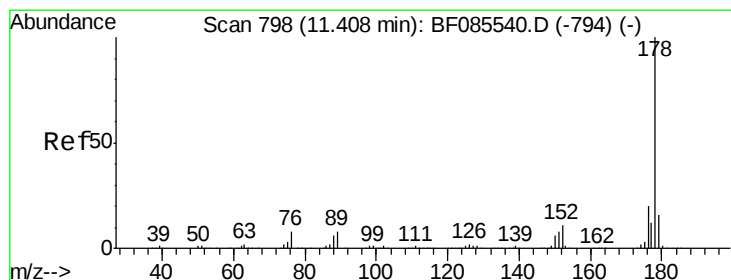
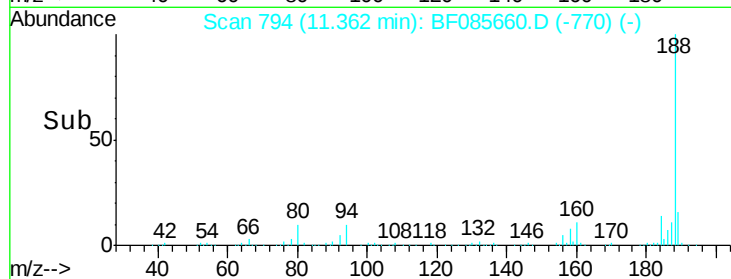
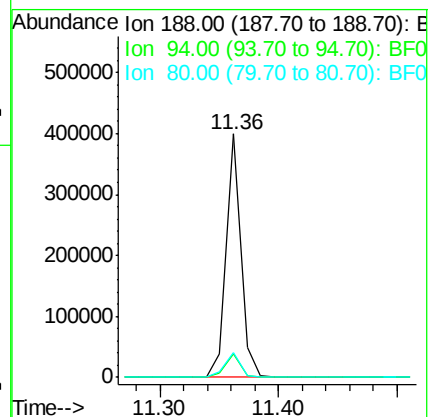
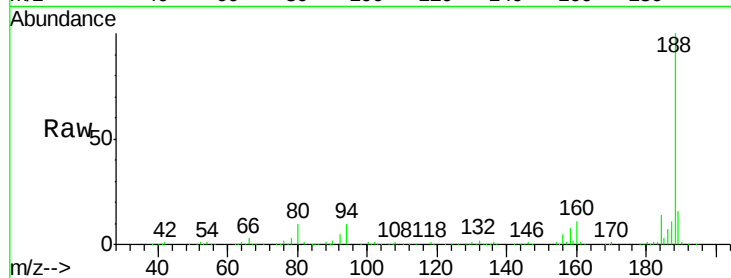




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

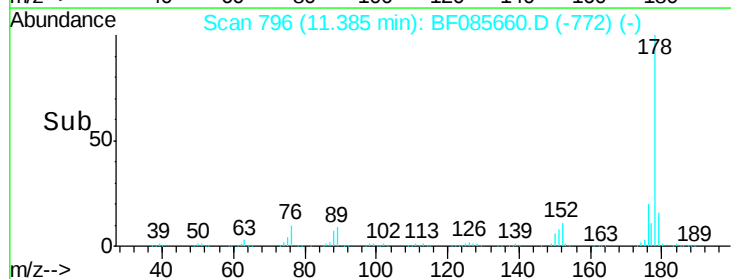
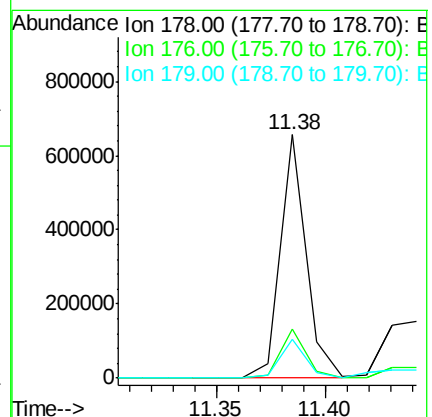
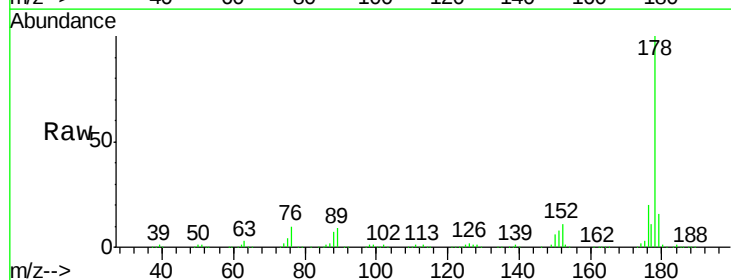
Instrument :
BNA_F
ClientSampled :

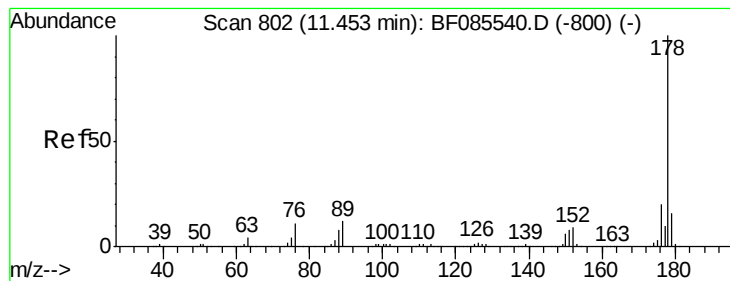
Tot Ion:188 Resp: 337661
Ion Ratio Lower Upper
188 100
94 9.8 5.4 8.0#
80 10.0 5.5 8.3#



#70
Phenanthrene
Concen: 30.76 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion:178 Resp: 547623
Ion Ratio Lower Upper
178 100
176 19.9 16.3 24.5
179 15.9 12.6 18.8





#71

Anthracene

Concen: 11.62 ng

RT: 11.44 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampleId :

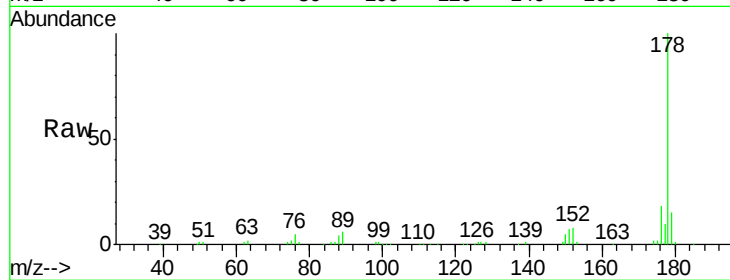
Tot Ion:178 Resp: 216999

Ion Ratio Lower Upper

178 100

176 18.0 15.9 23.9

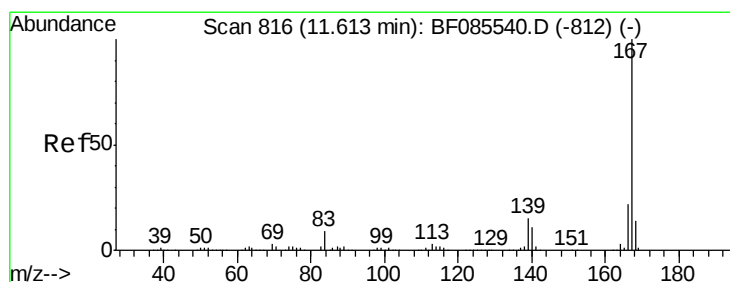
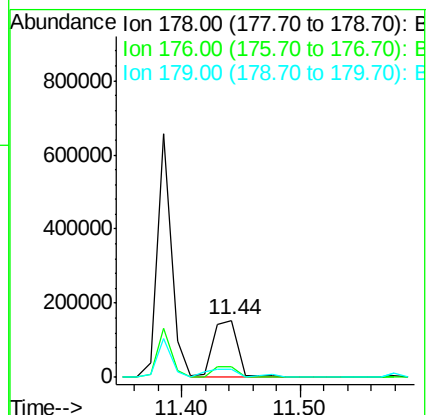
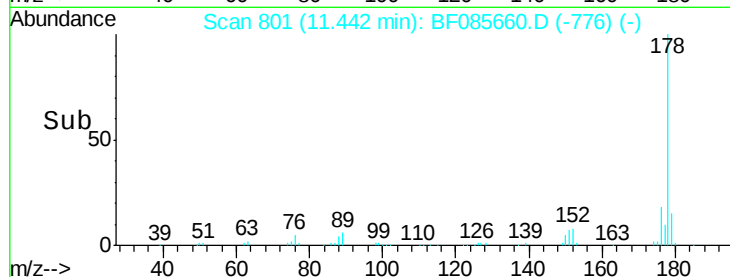
179 14.9 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 4.59 ng

RT: 11.59 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

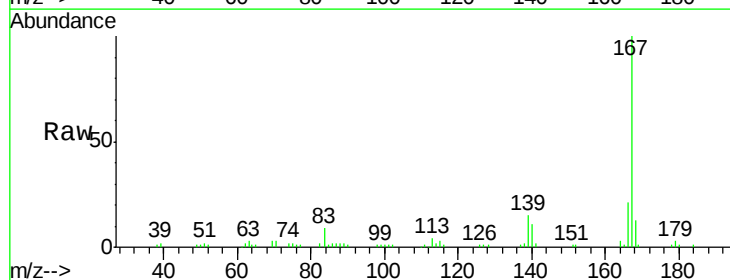
Tgt Ion:167 Resp: 73920

Ion Ratio Lower Upper

167 100

166 20.9 17.8 26.8

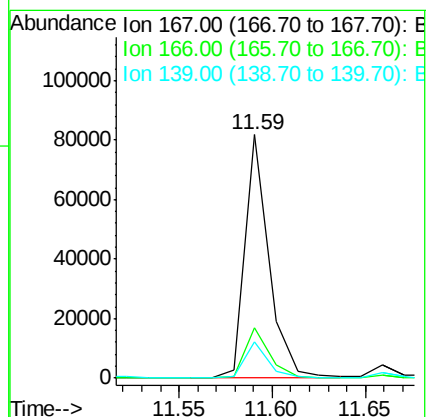
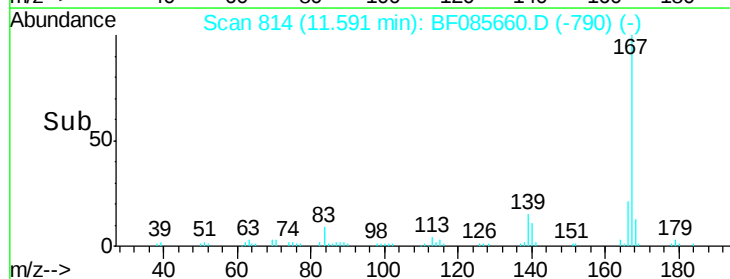
139 14.7 11.6 17.4

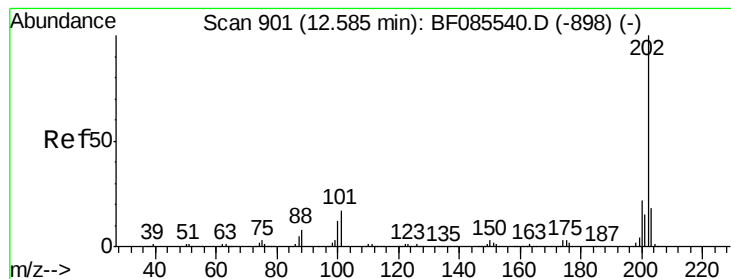


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 17.68 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampled :

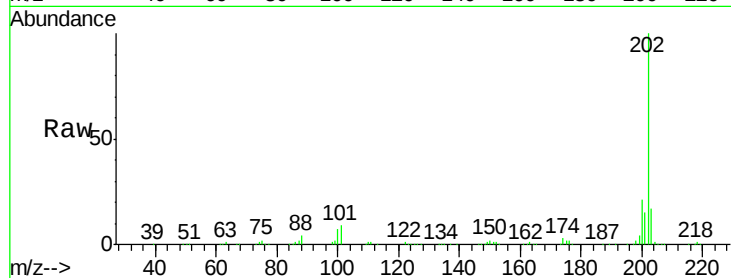
Tot Ion:202 Resp: 329558

Ion Ratio Lower Upper

202 100

101 9.3 0.0 36.6

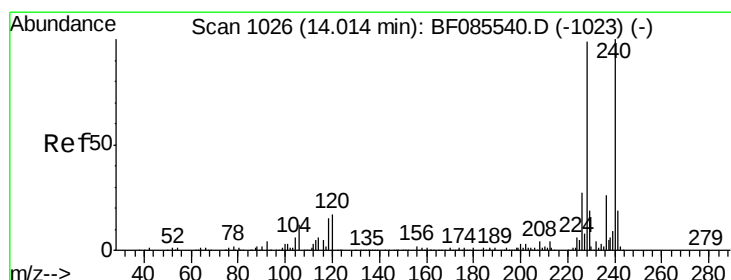
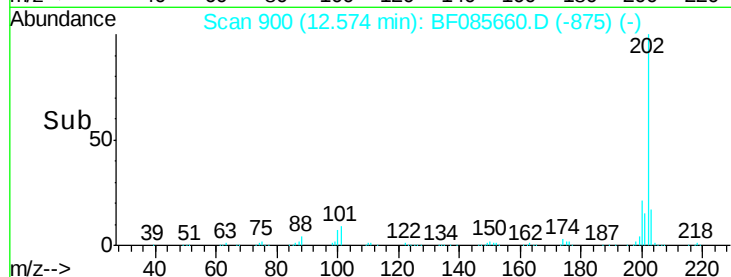
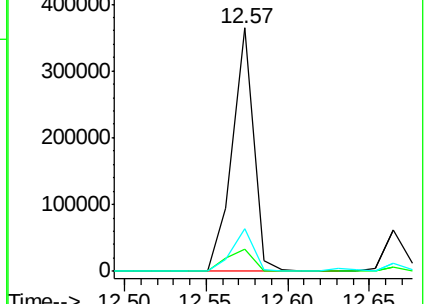
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

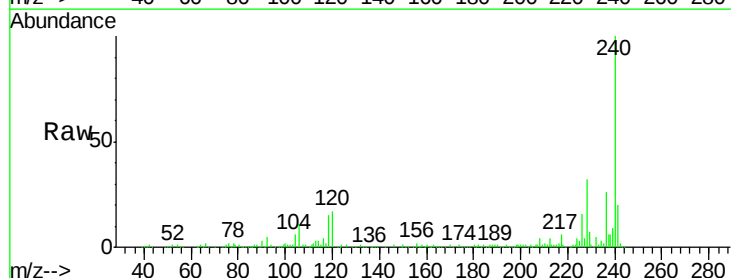
Tgt Ion:240 Resp: 233114

Ion Ratio Lower Upper

240 100

120 17.0 13.8 20.8

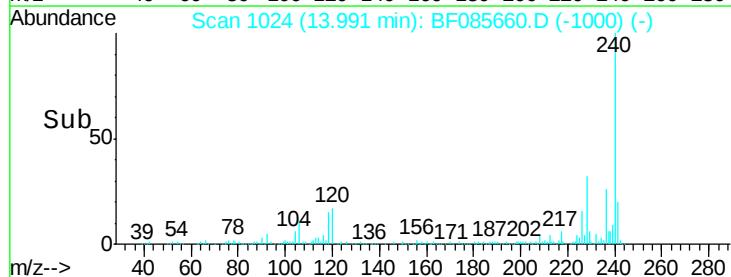
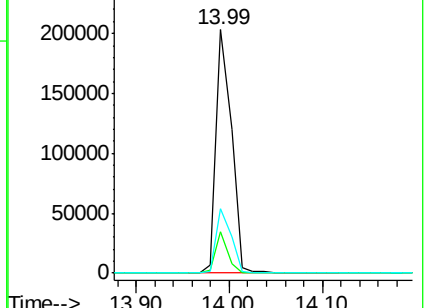
236 26.5 20.6 30.8

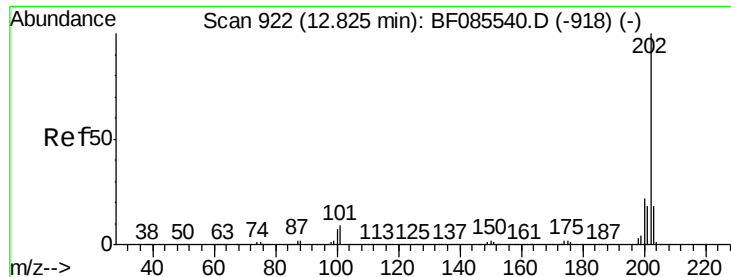


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.28 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampleId :

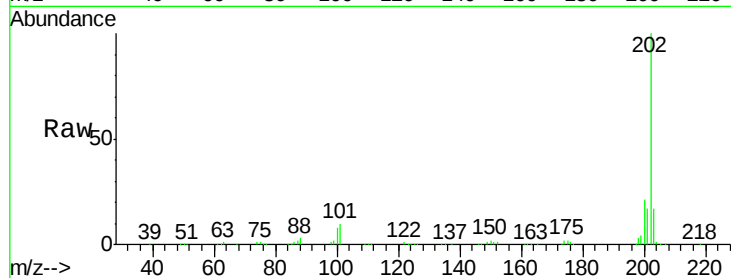
Tot Ion:202 Resp: 239053

Ion Ratio Lower Upper

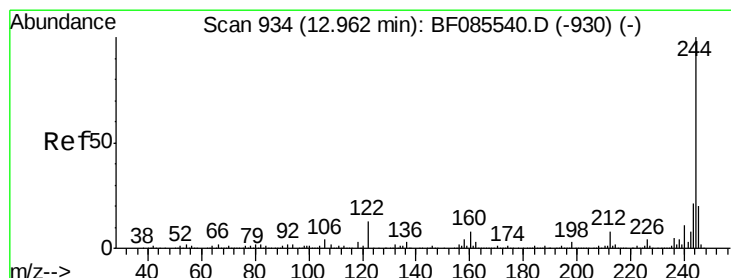
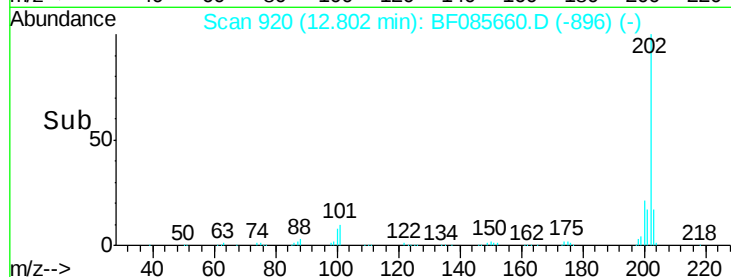
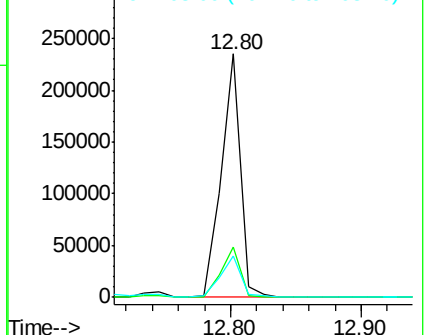
202 100

200 20.9 17.6 26.4

203 17.0 14.0 21.0



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: 0.26 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

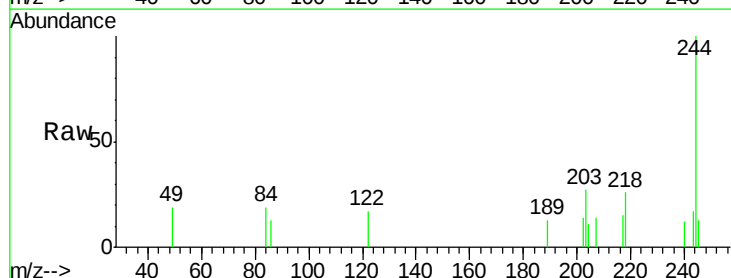
Tgt Ion:244 Resp: 2516

Ion Ratio Lower Upper

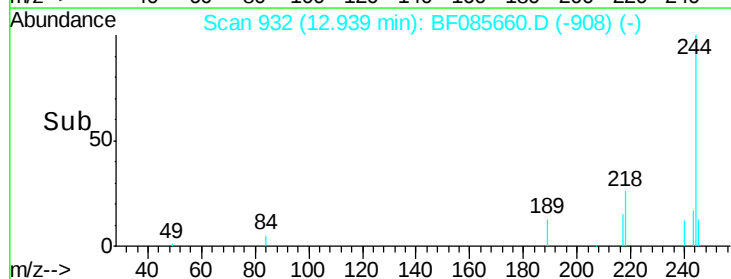
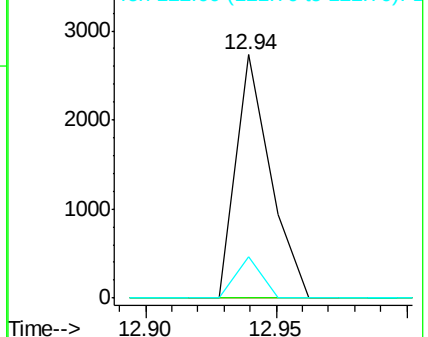
244 100

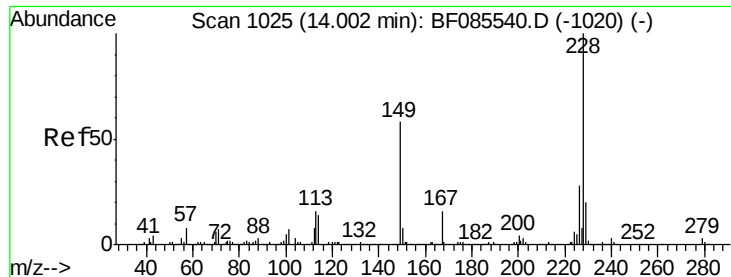
212 0.0 6.1 9.1#

122 17.1 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: 8.31 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampleId :

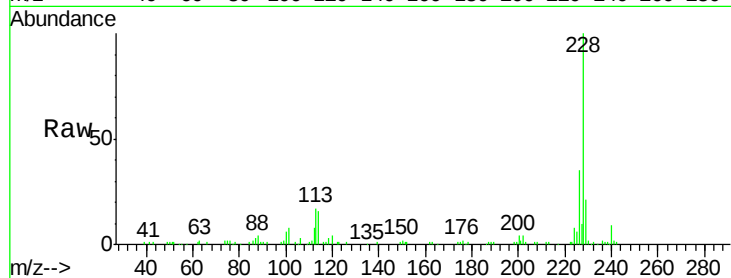
Tot Ion:228 Resp: 112518

Ion Ratio Lower Upper

228 100

226 35.4 22.1 33.1#

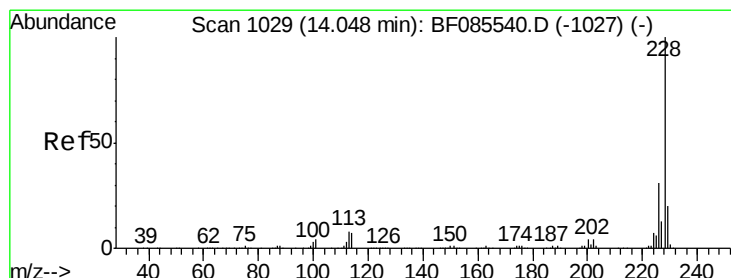
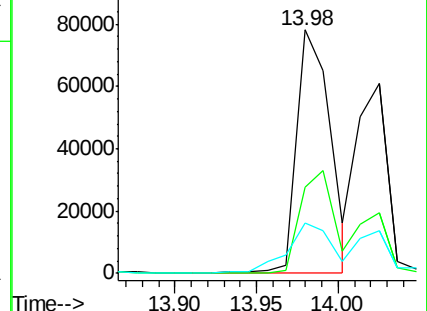
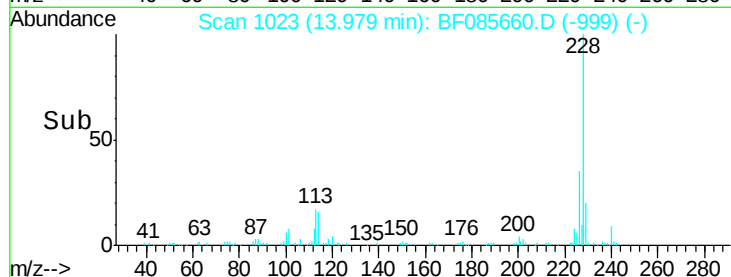
229 20.8 16.2 24.4



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: 8.64 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.07 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

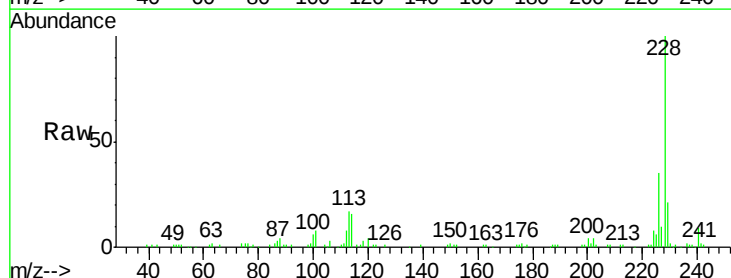
Tgt Ion:228 Resp: 112518

Ion Ratio Lower Upper

228 100

226 35.4 25.0 37.6

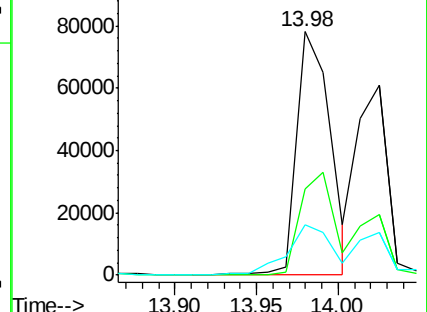
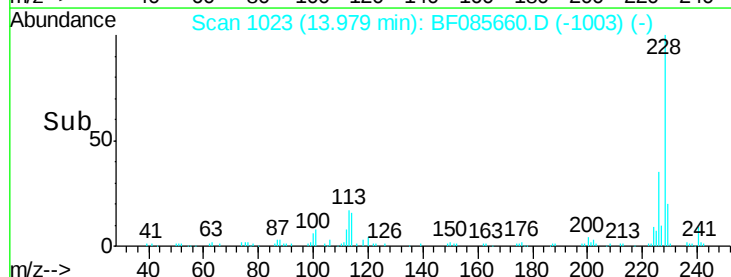
229 20.8 15.7 23.5

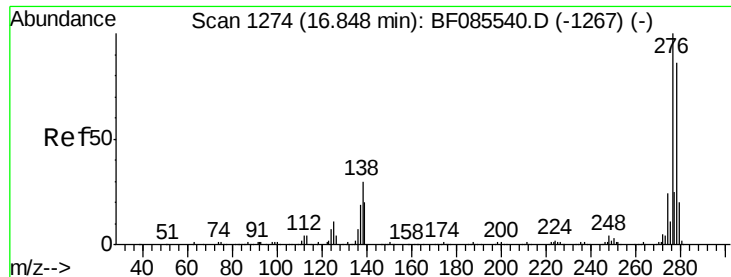


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

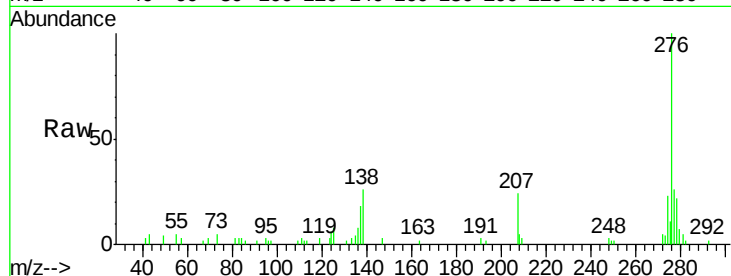




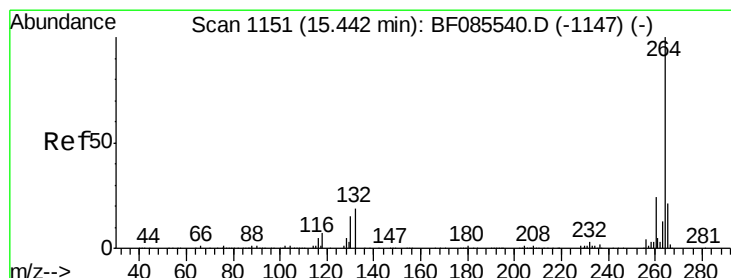
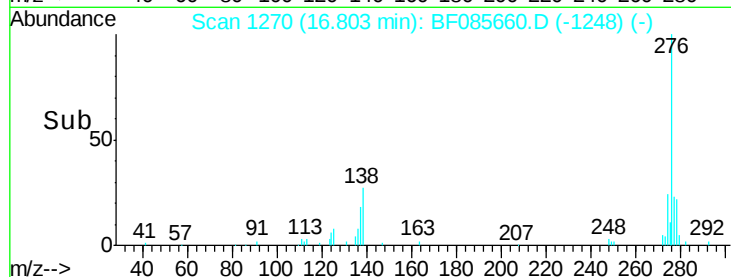
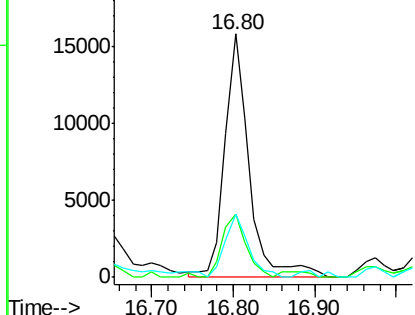
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.99 ng
 RT: 16.80 min Scan# 1270
 Delta R.T. -0.05 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	24.2	36.4
277	25.2	20.0	30.0

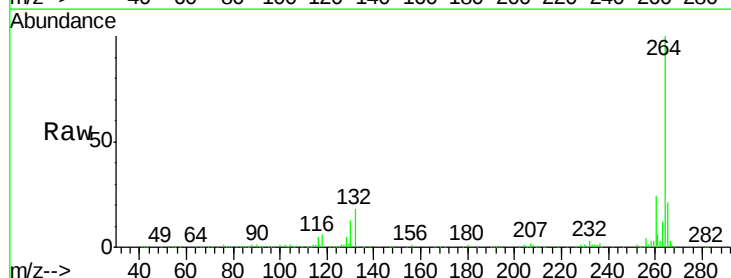


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

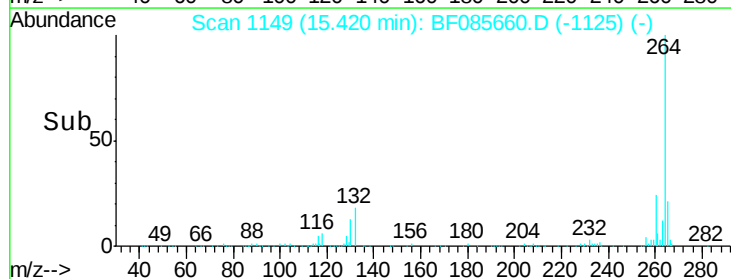
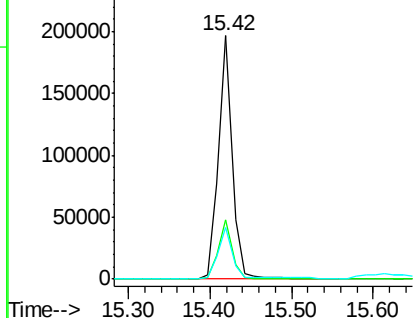


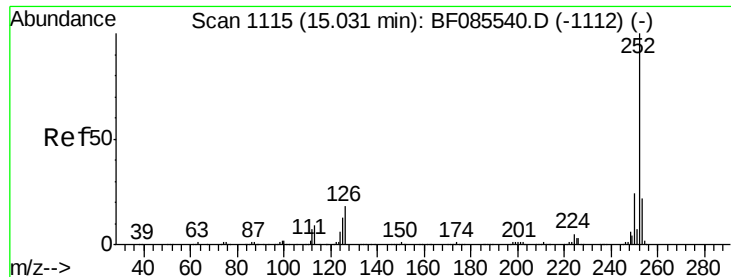
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1149
 Delta R.T. -0.02 min
 Lab File: BF085660.D
 Acq: 22 Mar 2016 11:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.1	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





#87

Benzo(b)fluoranthene

Concen: 8.25 ng

RT: 15.01 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

Instrument :

BNA_F

ClientSampleId :

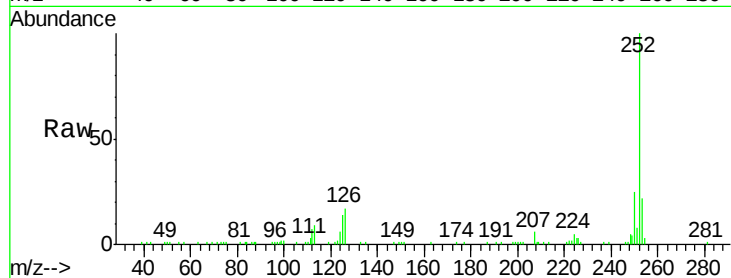
Tot Ion:252 Resp: 124703

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

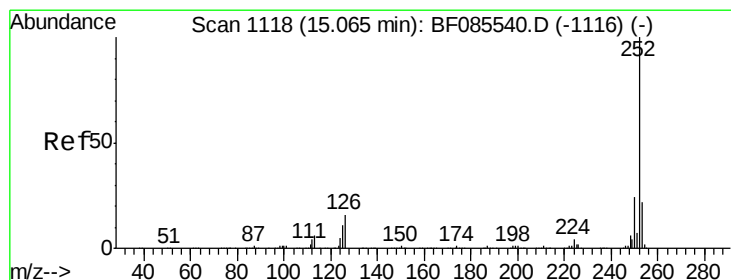
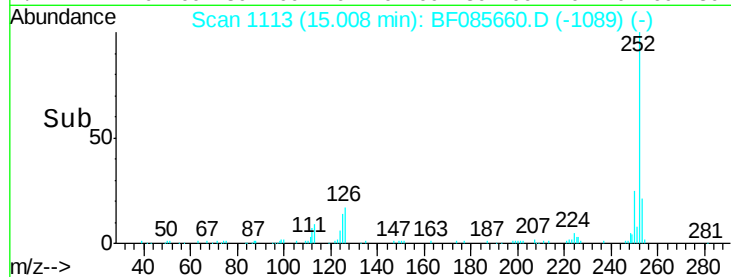
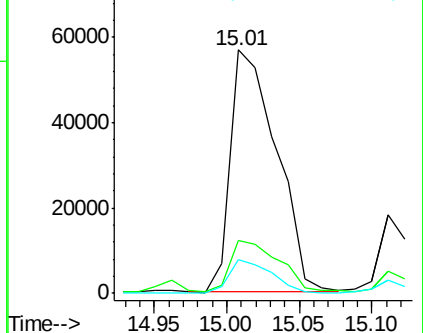
125 13.6 10.3 15.5



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



#88

Benzo(k)fluoranthene

Concen: 10.01 ng

RT: 15.01 min Scan# 1113

Delta R.T. -0.06 min

Lab File: BF085660.D

Acq: 22 Mar 2016 11:16

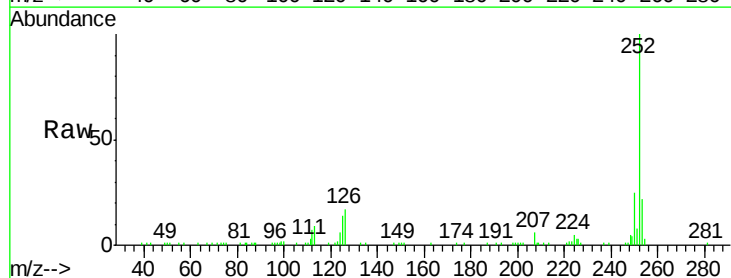
Tgt Ion:252 Resp: 124703

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

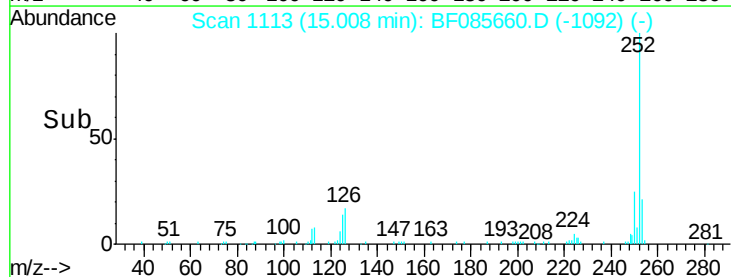
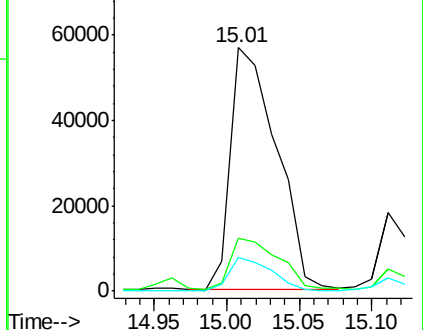
125 13.6 7.7 11.5#

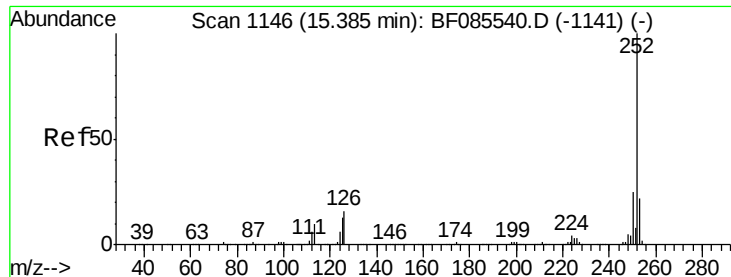


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

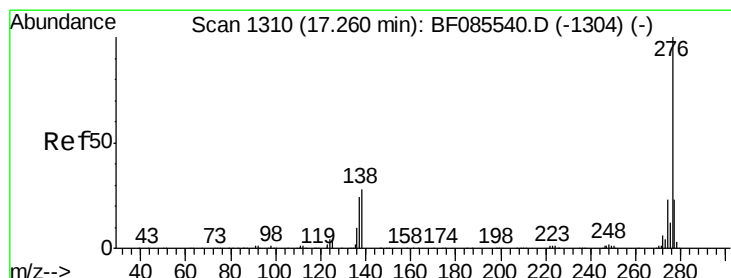
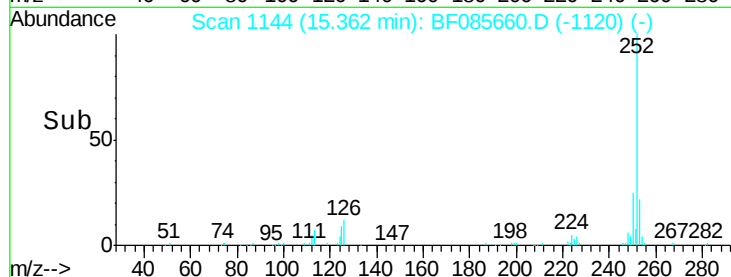
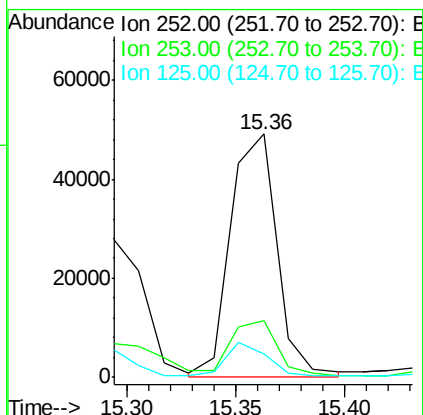
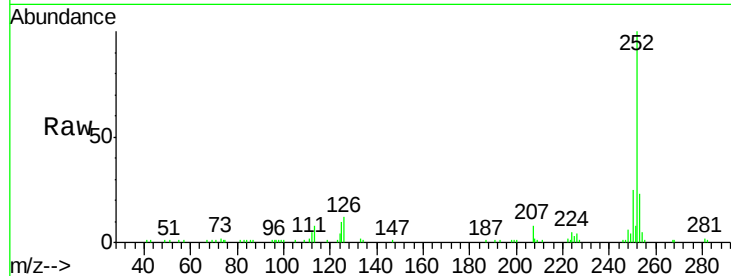




#89
Benzo(a)pyrene
Concen: 5.67 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 72675
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 9.8 10.3 15.5#



#91
Benzo(g,h,i)perylene
Concen: 2.51 ng
RT: 17.23 min Scan# 1307
Delta R.T. -0.03 min
Lab File: BF085660.D
Acq: 22 Mar 2016 11:16

Tgt Ion:276 Resp: 25954
Ion Ratio Lower Upper
276 100
277 23.4 18.8 28.2
138 26.3 22.6 34.0

