

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
 Data File : BF087136.D
 Acq On : 18 May 2016 7:36
 Operator : UM/SJ
 Sample : H2994-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1335-00(0-3)RE

Quant Time: May 18 08:02:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	144829	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	544118	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	222882	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	334166	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	267051	20.00	ng	-0.01
86) Perylene-d12	15.11	264	330919	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	990223	114.92	ng	-0.01
7) Phenol-d6	6.26	99	1179363	102.05	ng	-0.02
23) Nitrobenzene-d5	7.16	82	762467	69.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	243052	98.68	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	1166651	86.69	ng	-0.02
78) Terphenyl-d14	12.70	244	877153	74.30	ng	-0.01

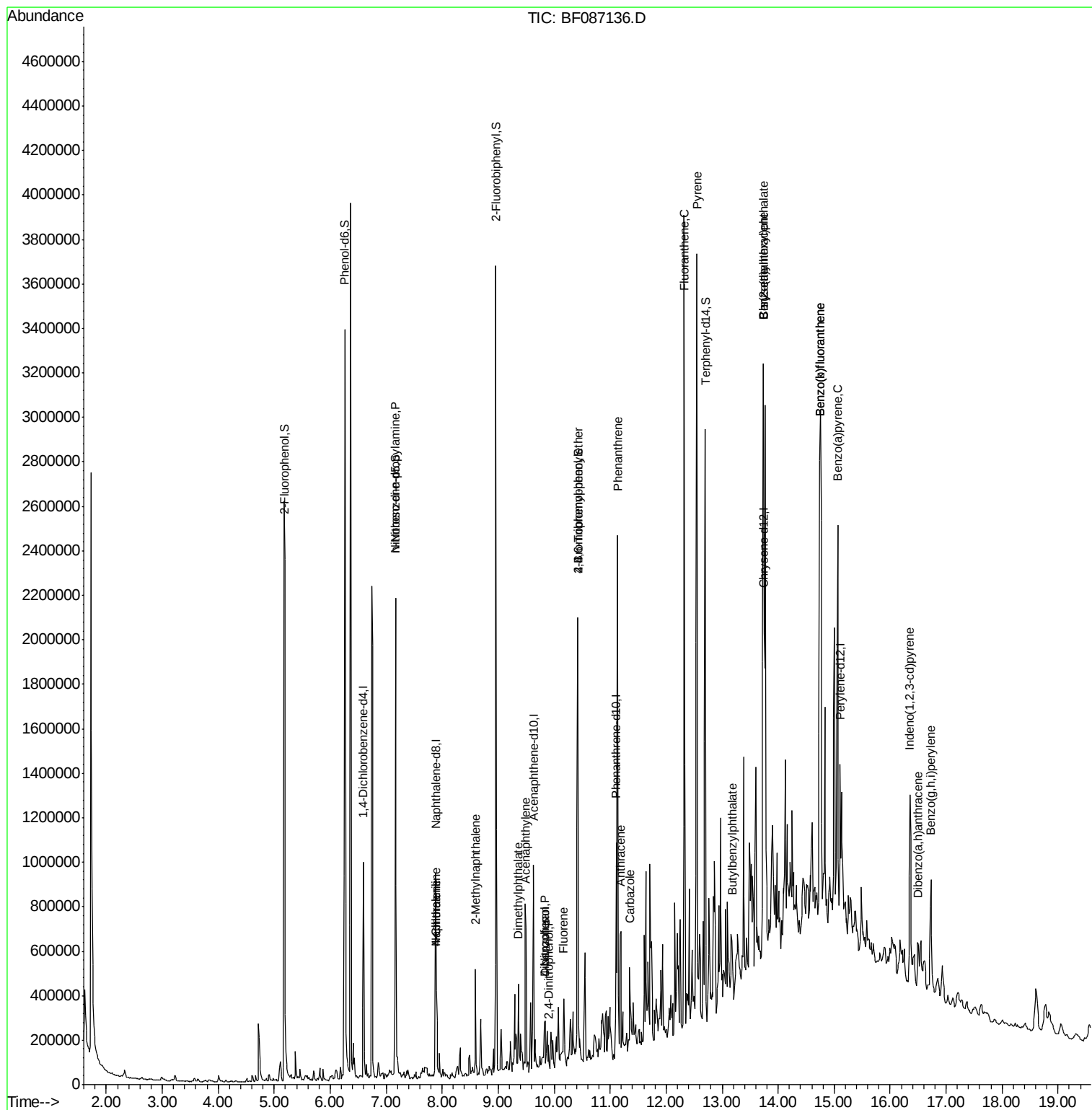
Target Compounds				Qvalue		
9) Benzaldehyde	6.10	77	1452	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	106880	12.17	ng	73
31) Naphthalene	7.90	128	189398	7.12	ng	98
33) 4-Chloroaniline	7.90	127	24531	2.22	ng	35
37) 2-Methylnaphthalene	8.59	142	120157	7.07	ng	98
48) Acenaphthylene	9.50	152	429352	19.82	ng	99
49) Dimethylphthalate	9.36	163	91256	5.37	ng	99
53) 2,4-Dinitrophenol	9.91	184	717	5.06	ng	35
54) Dibenzofuran	9.84	168	65272	3.73	ng	91
55) 4-Nitrophenol	9.84	139	26715	19.10	ng	21
57) Fluorene	10.17	166	66626	4.74	ng	95
66) 4-Bromophenyl-phenylether	10.42	248	15267	4.44	ng	1
70) Phenanthrene	11.13	178	790673	43.63	ng	100
71) Anthracene	11.19	178	359899	19.63	ng	98
72) Carbazole	11.35	167	133493	7.97	ng	99
74) Fluoranthene	12.32	202	1614672	88.92	ng	98
77) Pyrene	12.55	202	1426450	73.94	ng	99
79) Butylbenzylphthalate	13.18	149	62099	7.62	ng	92
80) Benzo(a)anthracene	13.74	228	1070518	69.33	ng	90
82) Chrysene	13.74	228	1070518	71.66	ng	92
83) Bis(2-ethylhexyl)phthalate	13.74	149	21591	2.18	ng	94
85) Indeno(1,2,3-cd)pyrene	16.35	276	500266	38.15	ng	90
87) Benzo(b)fluoranthene	14.74	252	1938008	88.28	ng	97
88) Benzo(k)fluoranthene	14.74	252	1938008	118.58	ng	97
89) Benzo(a)pyrene	15.06	252	919756	50.12	ng	95
90) Dibenzo(a,h)anthracene	16.49	278	130856	8.47	ng	95
91) Benzo(g,h,i)perylene	16.73	276	381597	24.45	ng	93

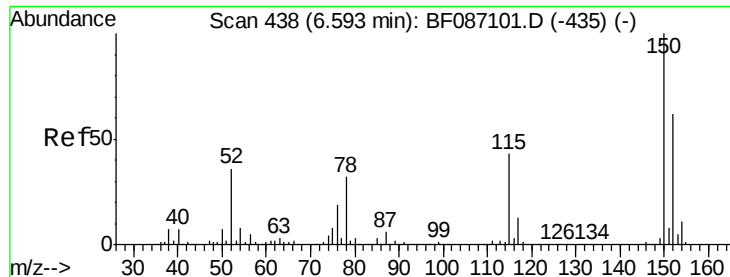
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087136.D

Acq: 18 May 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PM-STA-1335-00(0-3)RE

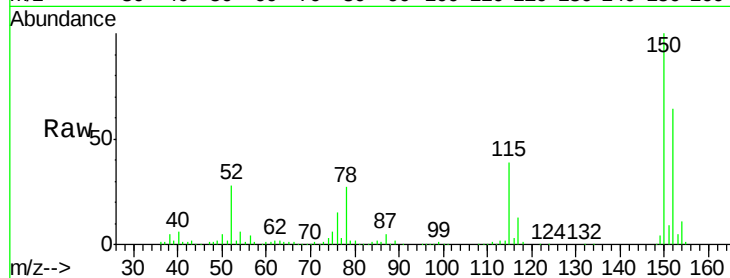
Tgt Ion:152 Resp: 144829

Ion Ratio Lower Upper

152 100

150 156.9 125.8 188.6

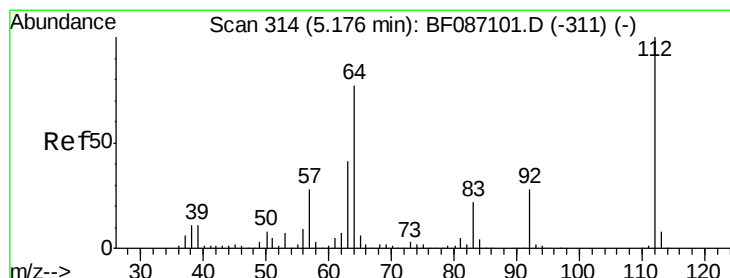
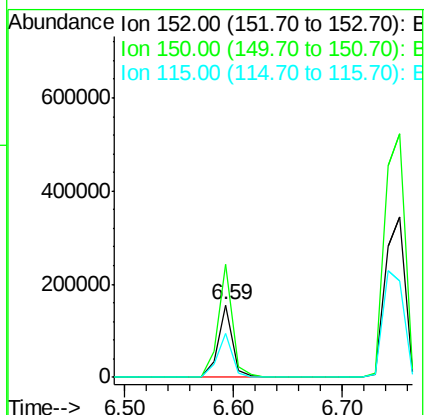
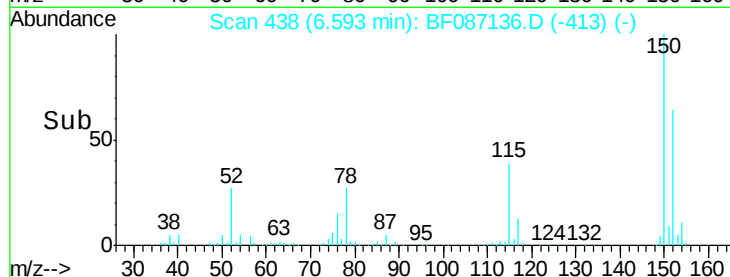
115 61.4 51.5 77.3



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: 114.92 ng

RT: 5.19 min Scan# 315

Delta R.T. -0.01 min

Lab File: BF087136.D

Acq: 18 May 2016 7:36

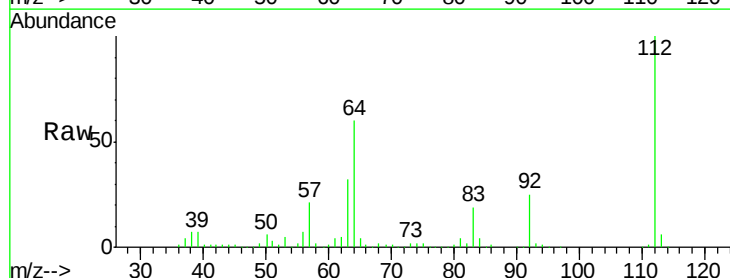
Tgt Ion:112 Resp: 990223

Ion Ratio Lower Upper

112 100

64 59.6 52.1 78.1

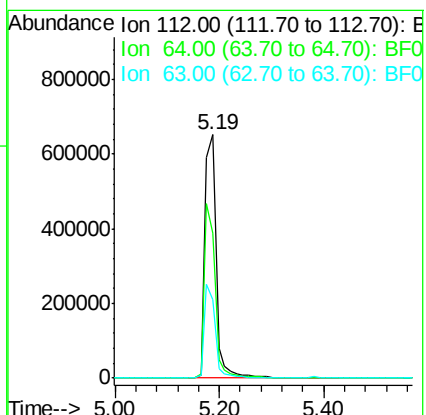
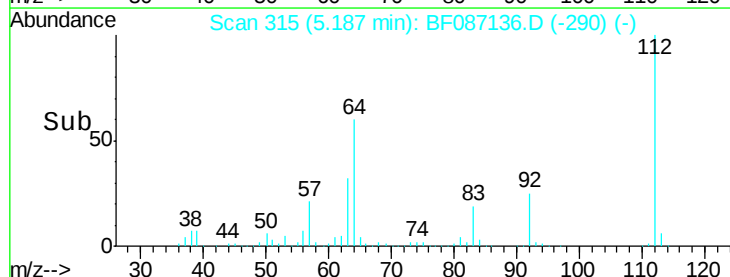
63 32.3 25.7 38.5

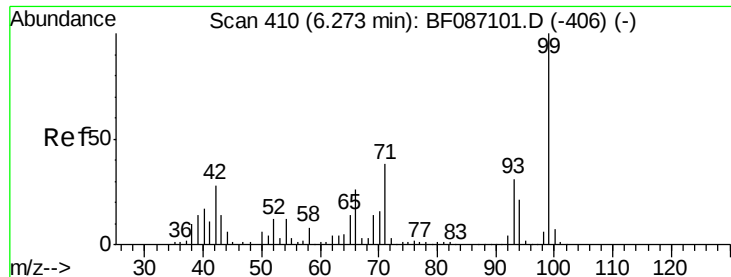


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.05 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087136.D

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Instrument :

BNA_F

ClientSampleId :

PM-STA-1335-00(0-3)RE

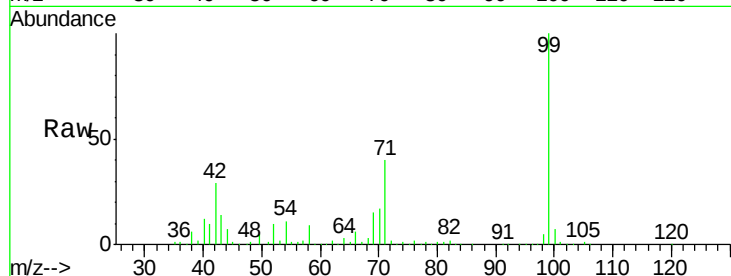
Tgt Ion: 99 Resp: 1179363

Ion Ratio Lower Upper

99 100

42 29.2 13.6 20.4#

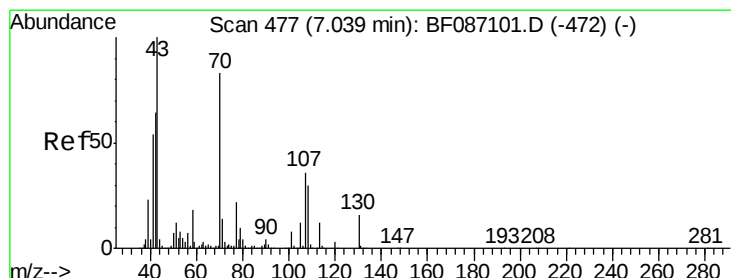
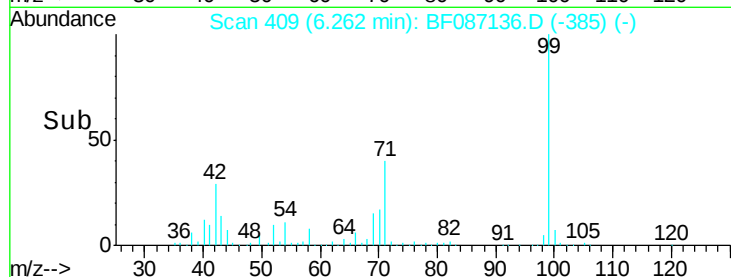
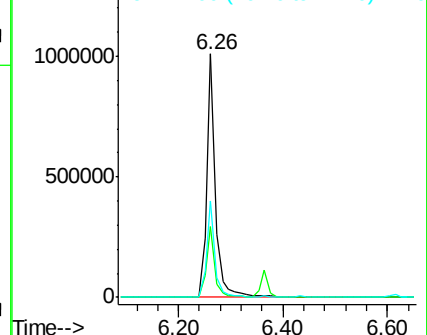
71 39.7 24.6 36.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.17 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.11 min

Lab File: BF087136.D

Acq: 18 May 2016 7:36

Tgt Ion: 70 Resp: 106880

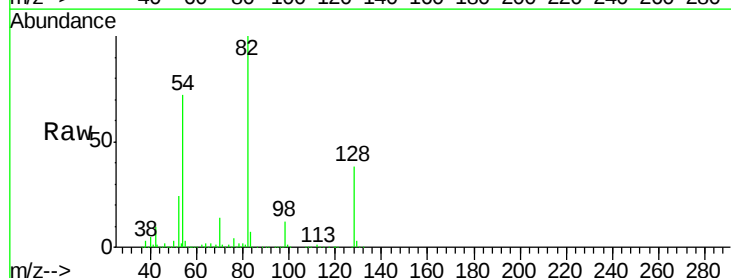
Ion Ratio Lower Upper

70 100

42 67.7 43.1 64.7#

101 0.0 8.1 12.1#

130 2.0 18.6 28.0#

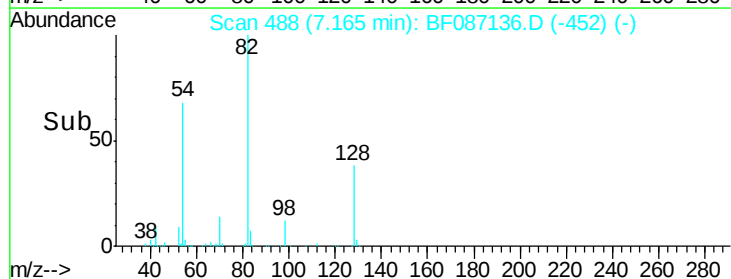
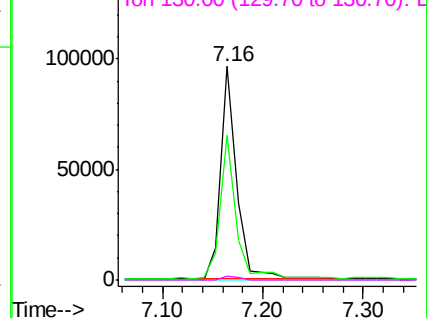


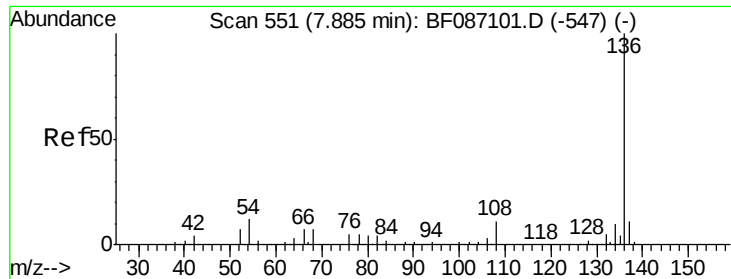
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

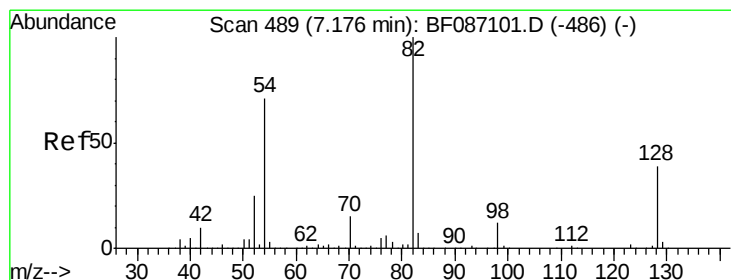
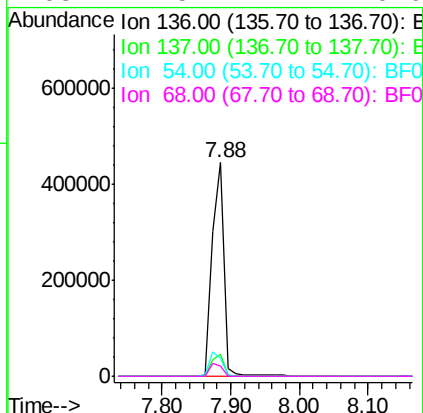
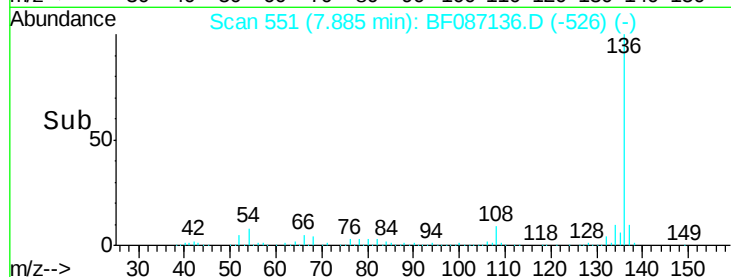
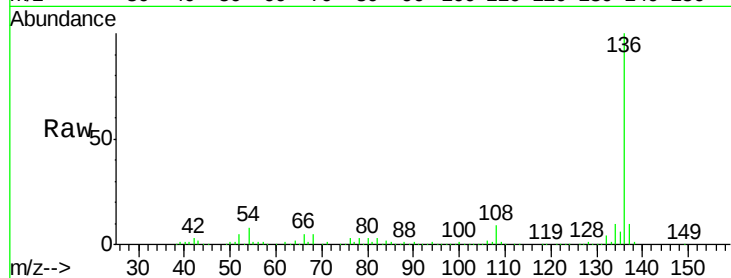




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF087136.D
Acq: 18 May 2016 7:36

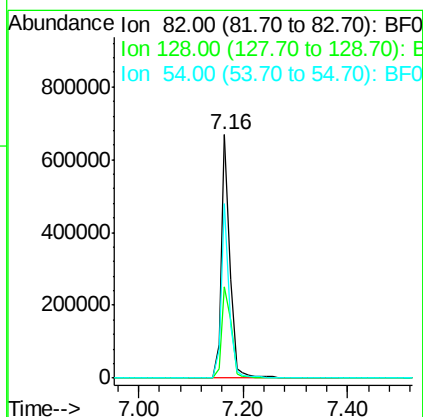
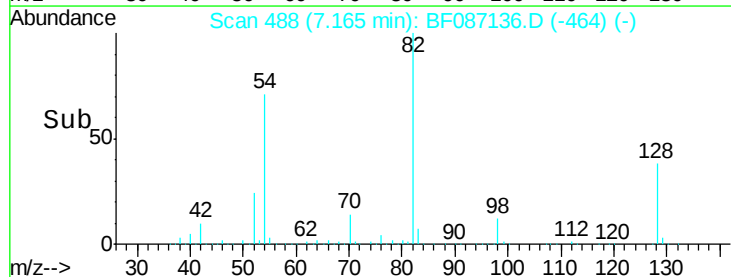
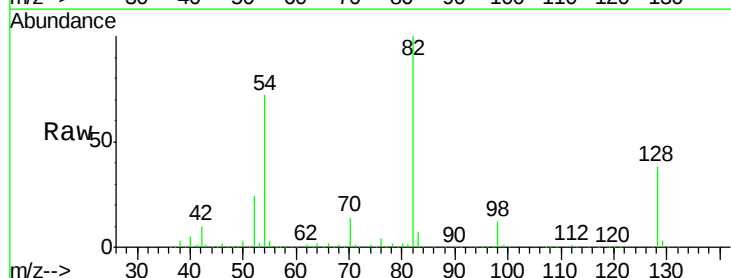
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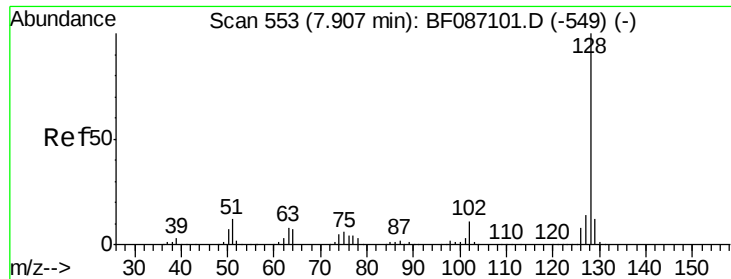
Tgt Ion:	136	Resp:	544118
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	8.2	5.0	7.4#
68	4.5	4.4	6.6



#23
Nitrobenzene-d5
Concen: 69.84 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.02 min
Lab File: BF087136.D
Acq: 18 May 2016 7:36

Tgt Ion:	82	Resp:	762467
Ion	Ratio	Lower	Upper
82	100		
128	37.7	40.6	61.0#
54	71.5	38.1	57.1#

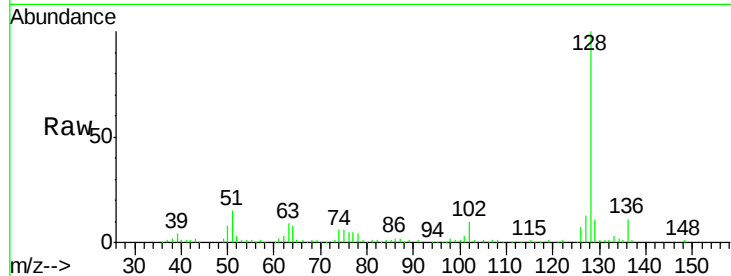




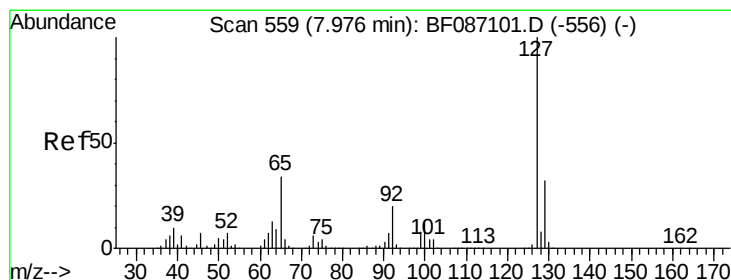
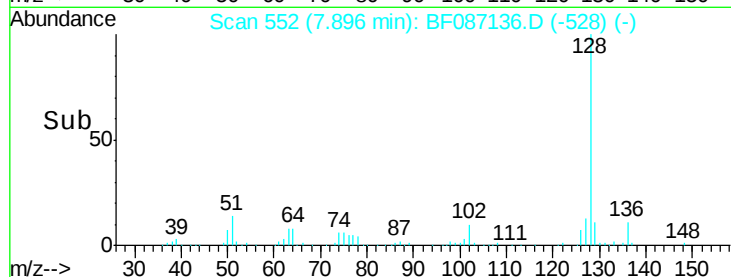
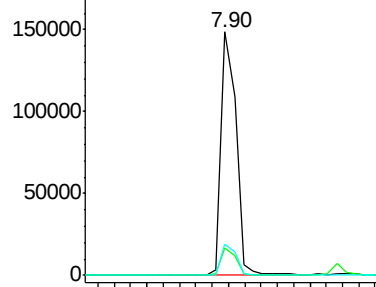
#31
Naphthalene
Concen: 7.12 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF087136.D
Acq: 18 May 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	12.8	10.8	16.2

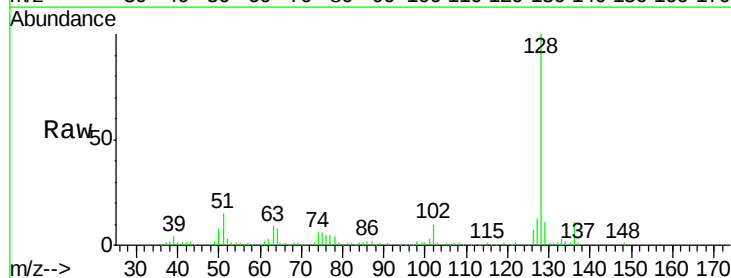


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

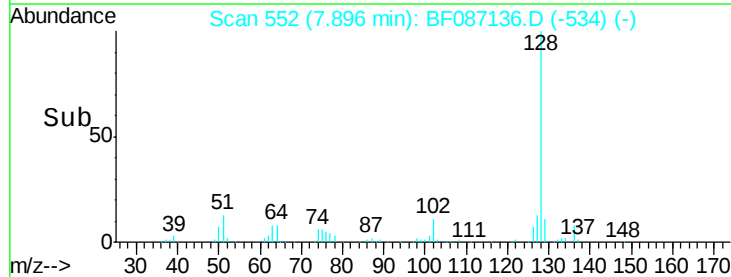
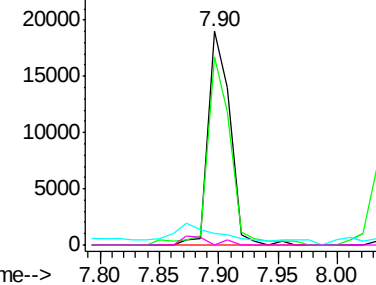


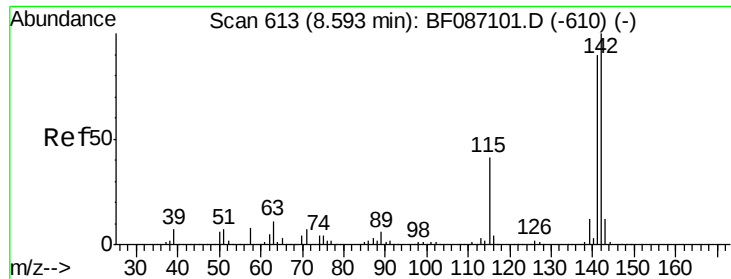
#33
4-Chloroaniline
Concen: 2.22 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087136.D
Acq: 18 May 2016 7:36

Tgt Ion	Ratio	Lower	Upper
127	100		
129	87.9	26.2	39.4#
65	5.5	23.0	34.4#
92	0.0	15.1	22.7#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

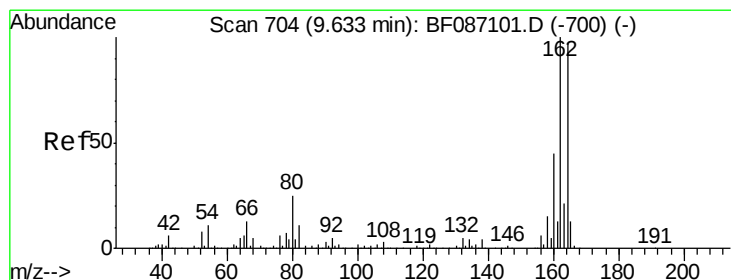
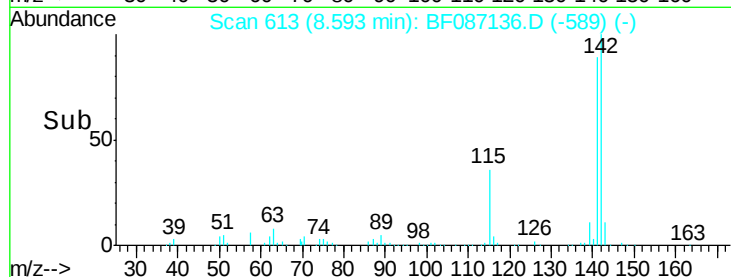
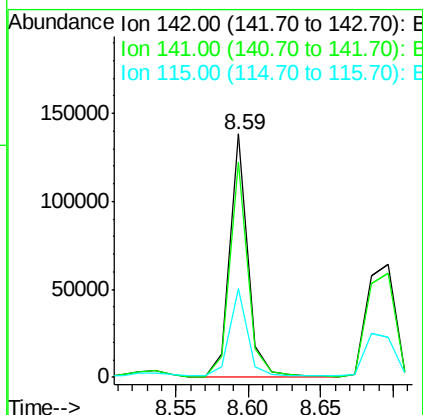
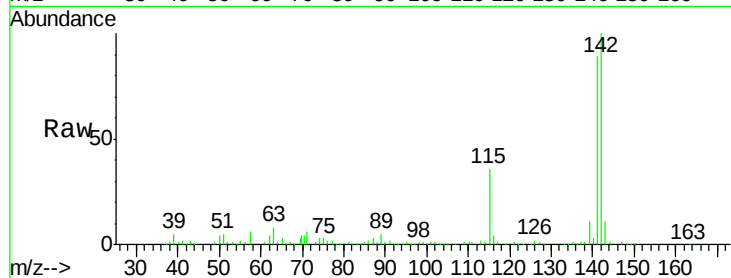




#37
2-Methylnaphthalene
Concen: 7.07 ng
RT: 8.59 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF087136.D
Acq: 18 May 2016 7:36

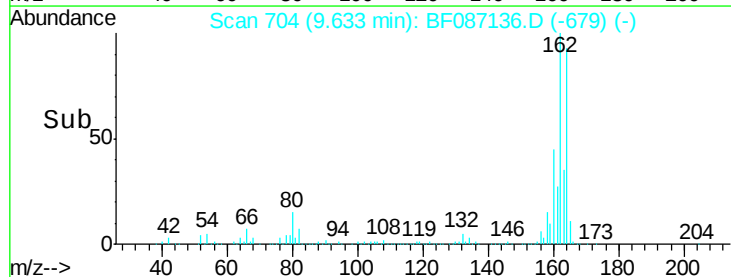
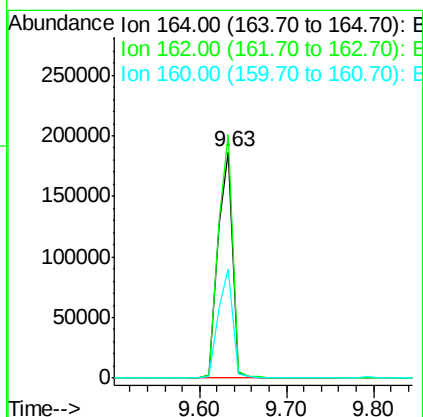
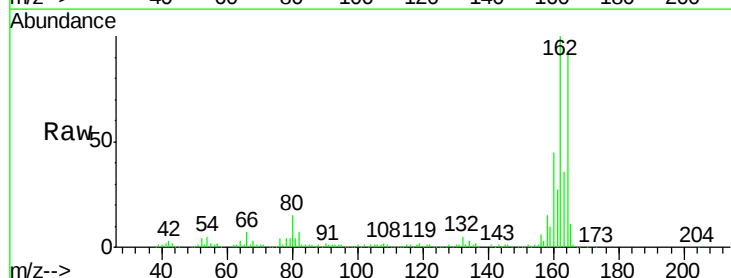
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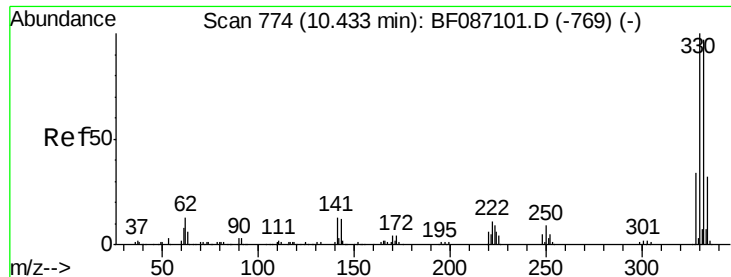
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6
115	36.3	26.6	39.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF087136.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.6	82.8	124.2
160	48.5	36.9	55.3

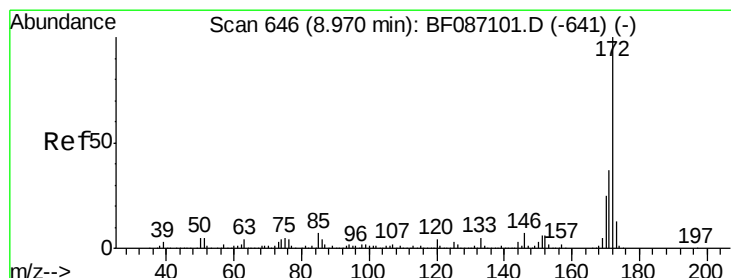
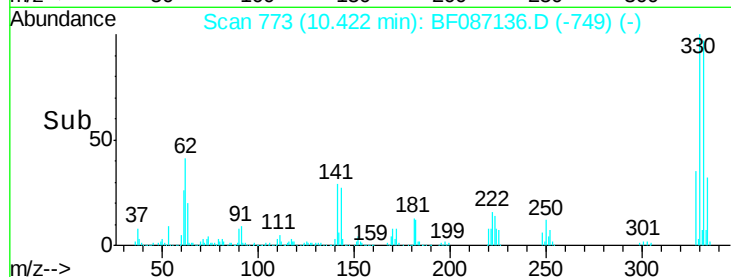
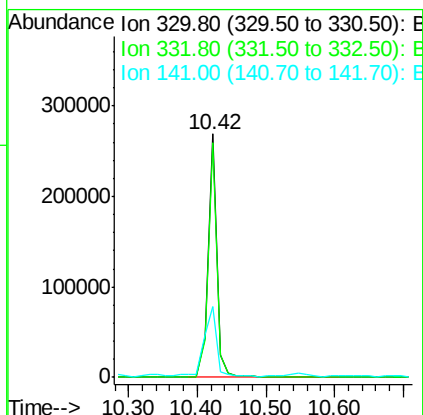
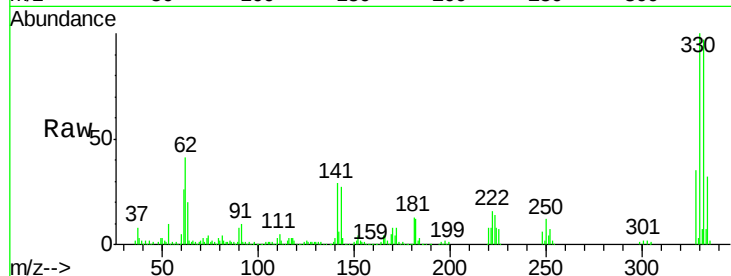




#41
 2,4,6-Tribromophenol
 Concen: 98.68 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087136.D
 Acq: 18 May 2016 7:36

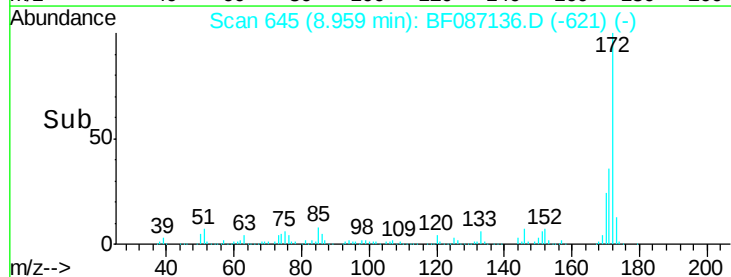
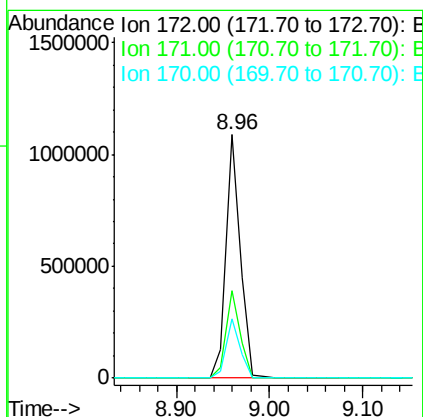
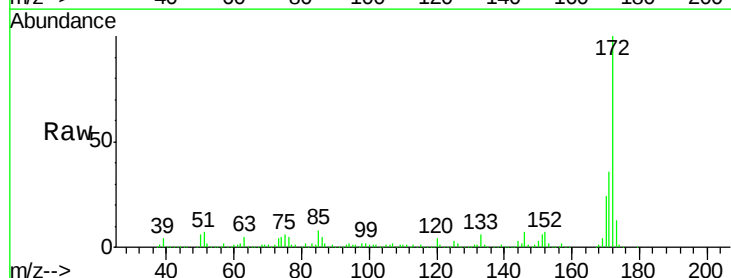
Instrument :
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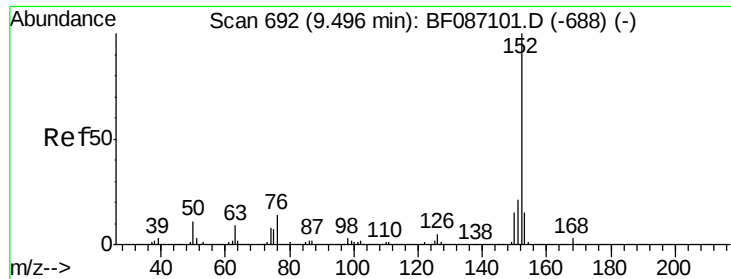
Tgt Ion:330 Resp: 243052
 Ion Ratio Lower Upper
 330 100
 332 96.4 79.0 118.4
 141 40.4 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 86.69 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087136.D
 Acq: 18 May 2016 7:36

Tgt Ion:172 Resp: 1166651
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.2 19.8 29.8





#48

Acenaphthylene

Concen: 19.82 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF087136.D

Acq: 18 May 2016 7:36

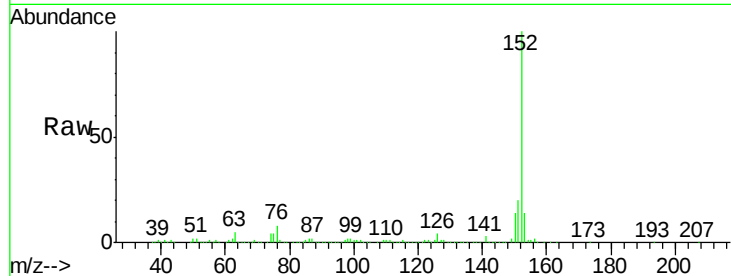
Instrument :

BNA_F

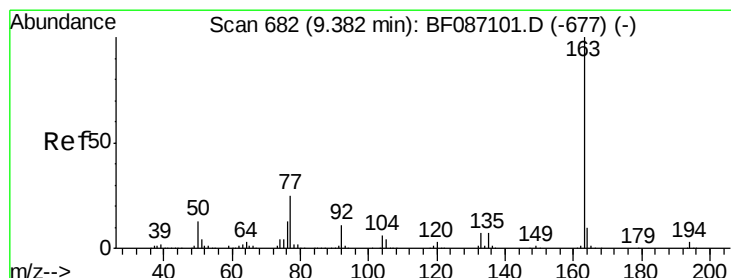
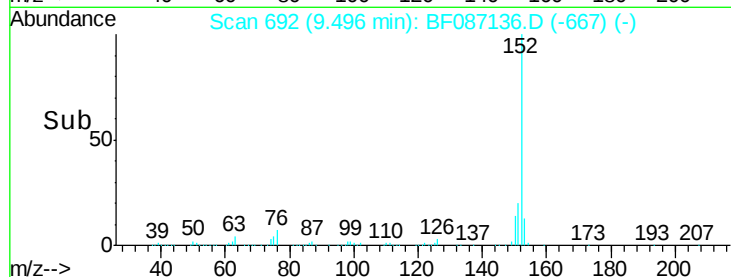
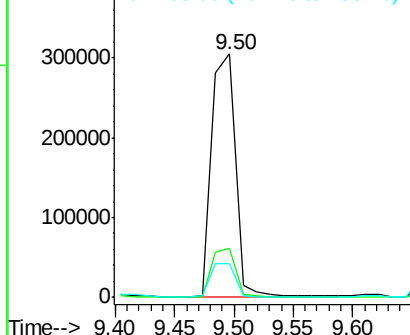
ClientSampleId :

PM-STA-1335-00(0-3)RE

Tgt Ion:	152	Resp:	429352
Ion Ratio		Lower	Upper
152	100		
151	20.4	16.8	25.2
153	13.9	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



#49

Dimethylphthalate

Concen: 5.37 ng

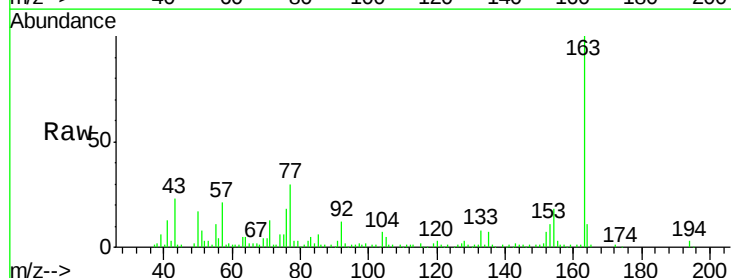
RT: 9.36 min Scan# 680

Delta R.T. -0.03 min

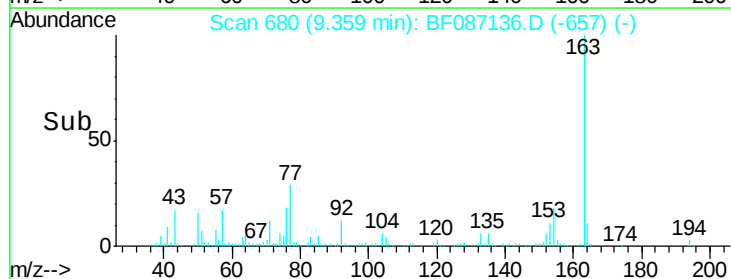
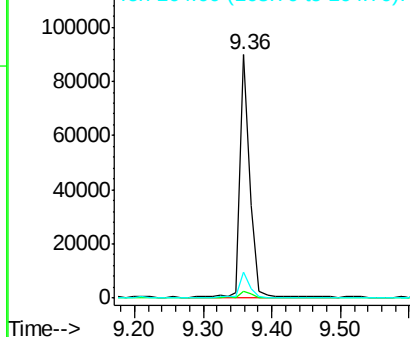
Lab File: BF087136.D

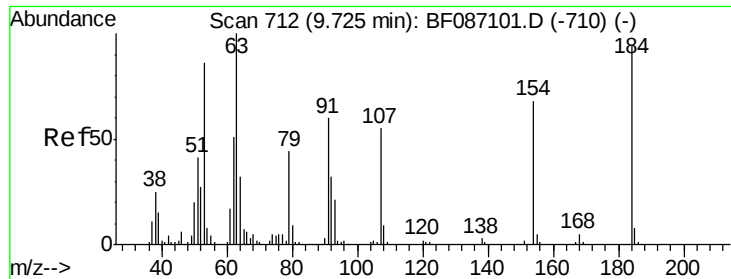
Acq: 18 May 2016 7:36

Tgt Ion:	163	Resp:	91256
Ion Ratio		Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.7	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

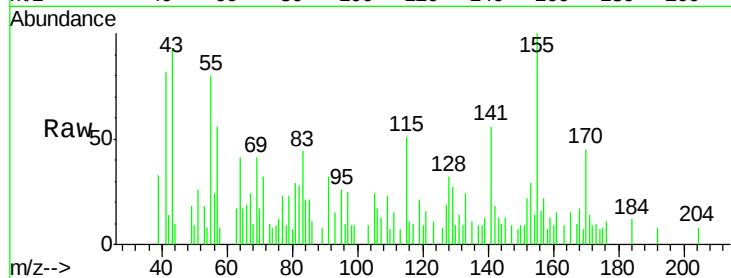




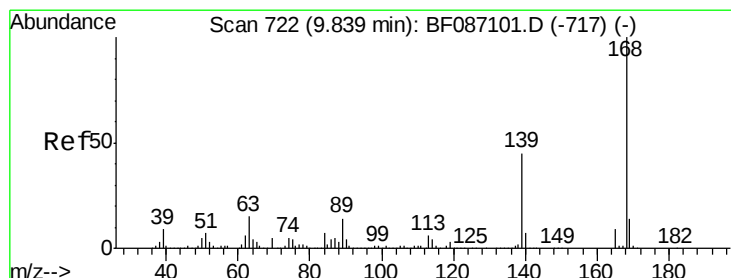
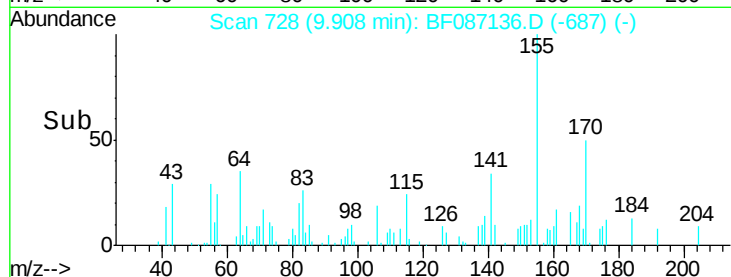
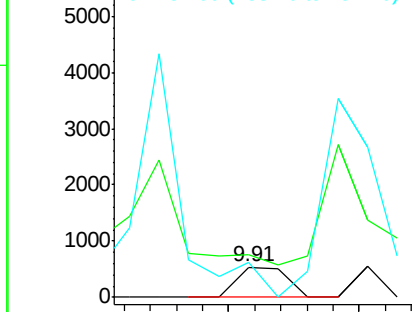
#53
 2,4-Dinitrophenol
 Concen: 5.06 ng
 RT: 9.91 min Scan# 728
 Delta R.T. 0.17 min
 Lab File: BF087136.D
 Acq: 18 May 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1335-00(0-3)RE

Tgt Ion:184 Resp: 717
 Ion Ratio Lower Upper
 184 100
 63 142.4 55.8 83.8#
 154 116.2 62.4 93.6#

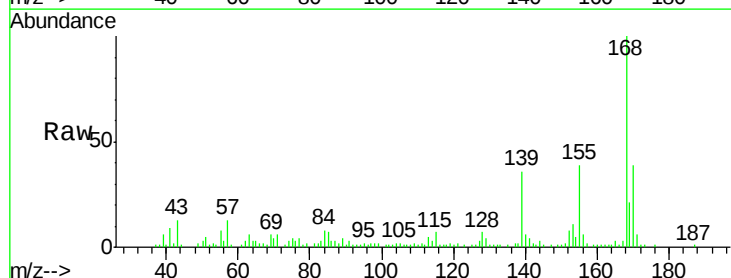


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

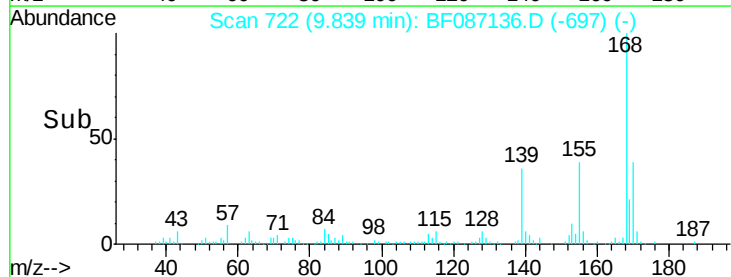
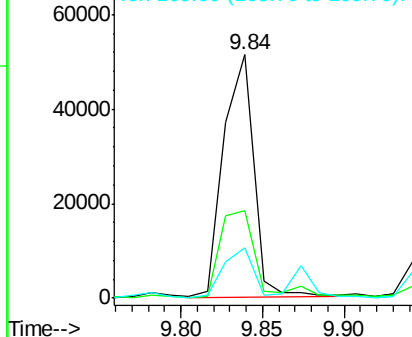


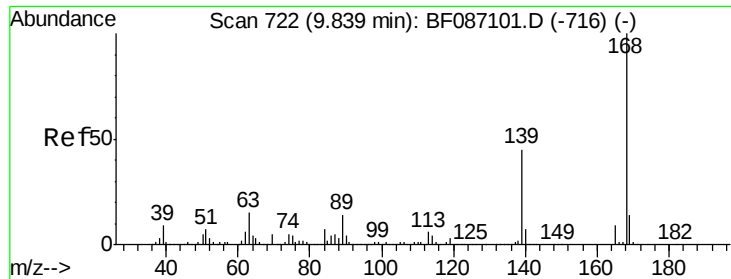
#54
 Dibenzofuran
 Concen: 3.73 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF087136.D
 Acq: 18 May 2016 7:36

Tgt Ion:168 Resp: 65272
 Ion Ratio Lower Upper
 168 100
 139 35.8 31.4 47.0
 169 20.7 10.7 16.1#



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: 19.10 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.02 min

Lab File: BF087136.D

Acq: 18 May 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PM-STA-1335-00(0-3)RE

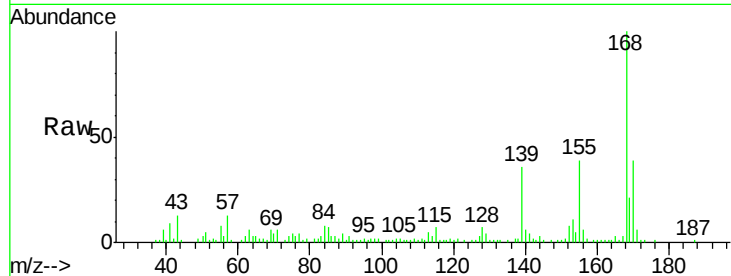
Tgt Ion:139 Resp: 26715

Ion Ratio Lower Upper

139 100

109 4.9 36.9 76.9#

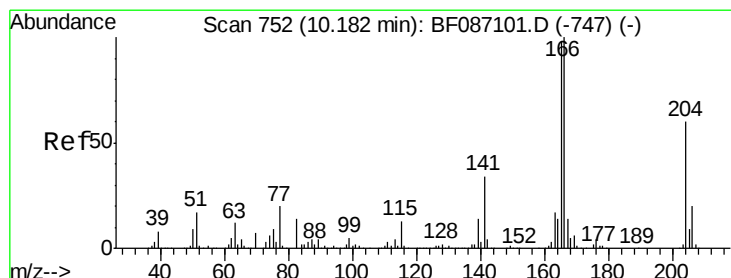
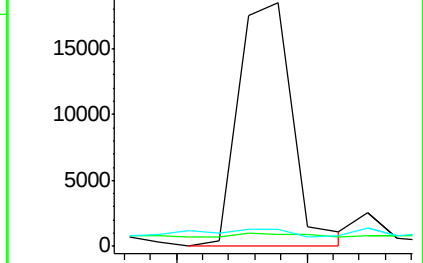
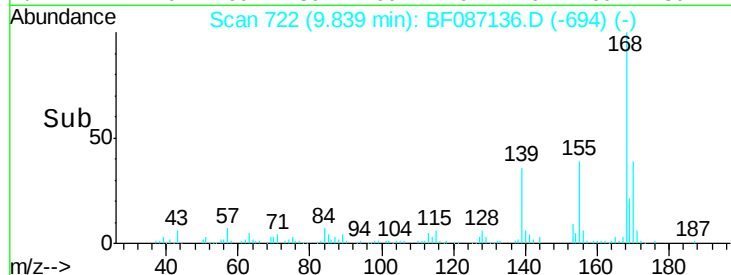
65 7.0 64.0 104.0#



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



#57

Fluorene

Concen: 4.74 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF087136.D

Acq: 18 May 2016 7:36

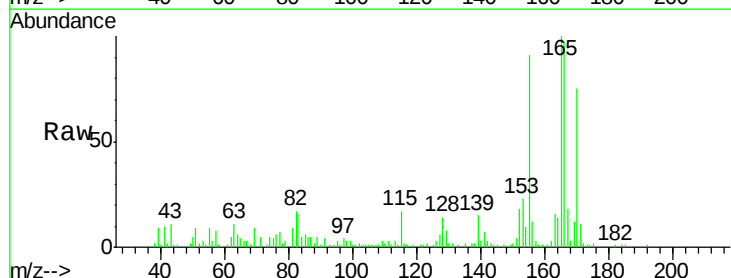
Tgt Ion:166 Resp: 66626

Ion Ratio Lower Upper

166 100

165 103.1 79.0 118.6

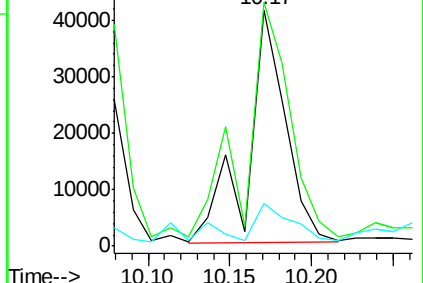
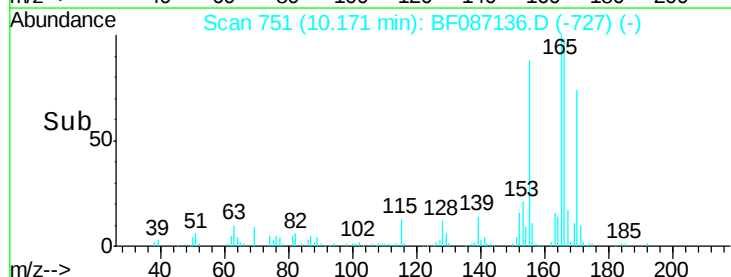
167 18.3 10.6 15.8#

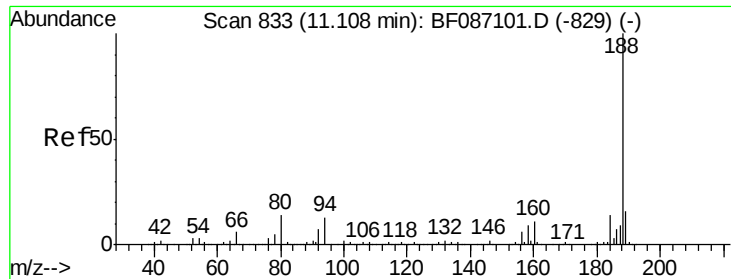


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

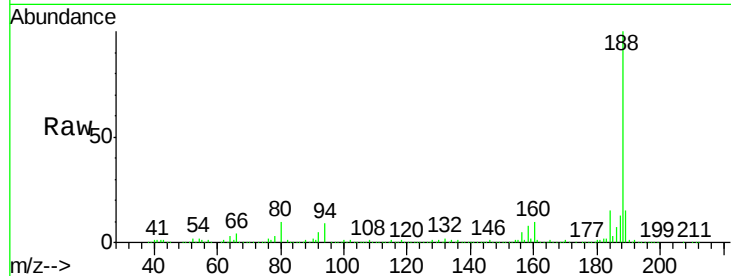




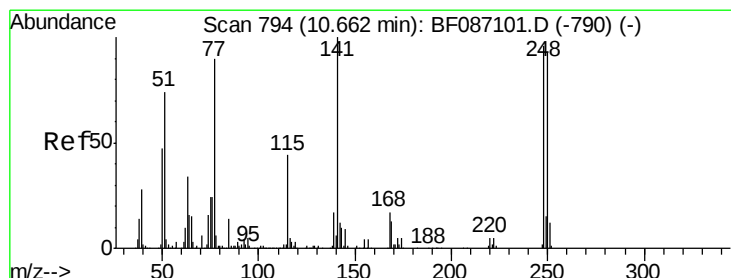
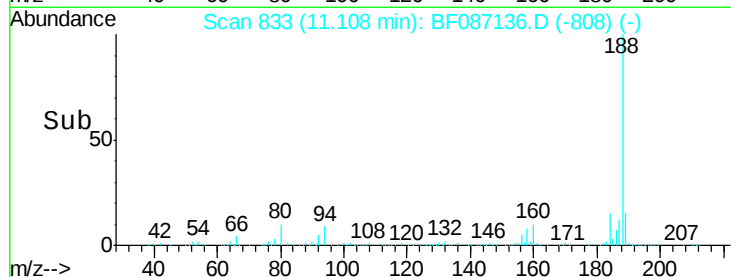
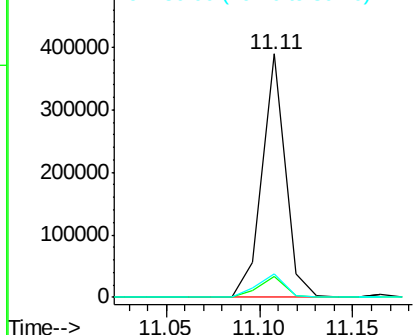
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087136.D
Acq: 18 May 2016 7:36

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)RE

Tgt Ion:188 Resp: 334166
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.6 7.1 10.7

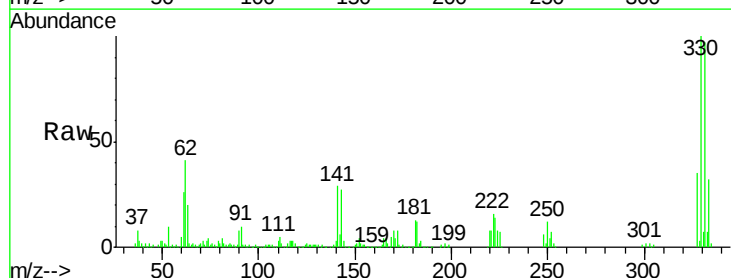


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

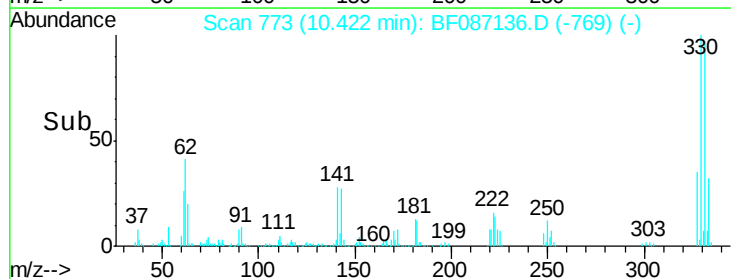
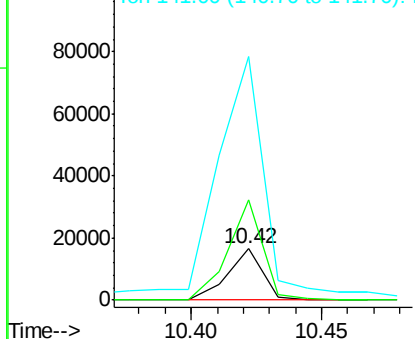


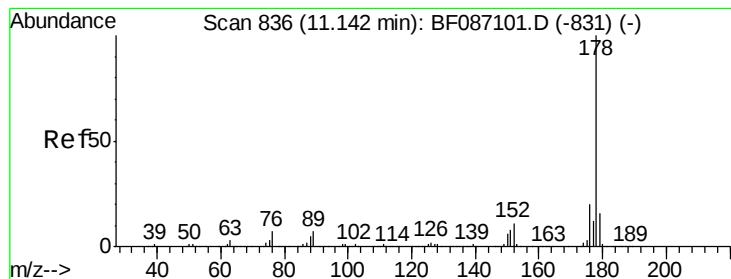
#66
4-Bromophenyl-phenylether
Concen: 4.44 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.25 min
Lab File: BF087136.D
Acq: 18 May 2016 7:36

Tgt Ion:248 Resp: 15267
Ion Ratio Lower Upper
248 100
250 196.0 78.6 117.8#
141 477.2 76.0 114.0#



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





#70

Phenanthrene

Concen: 43.63 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.02 min

Lab File: BF087136.D

Acq: 18 May 2016 7:36

Instrument :

BNA_F

ClientSampleId :

PM-STA-1335-00(0-3)RE

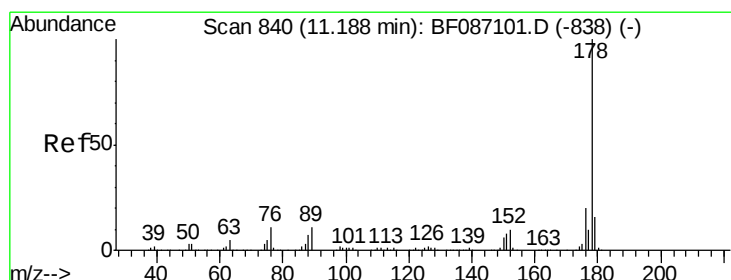
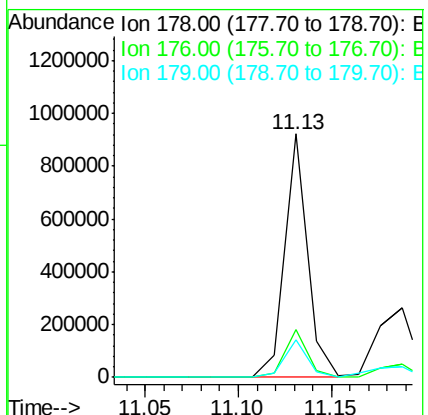
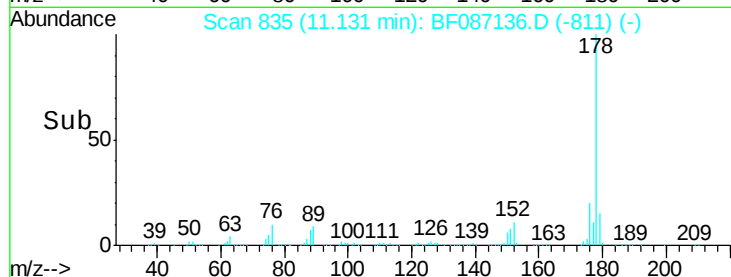
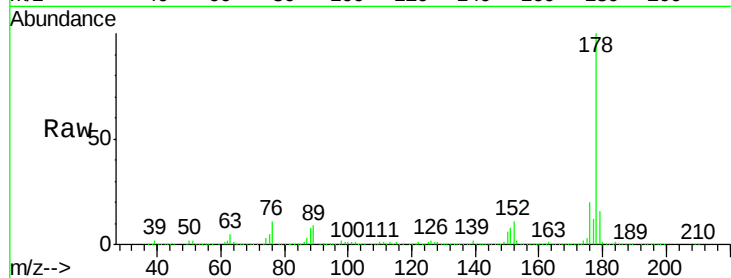
Tgt Ion:178 Resp: 790673

Ion Ratio Lower Upper

178 100

176 19.9 16.0 24.0

179 15.6 12.6 18.8



#71

Anthracene

Concen: 19.63 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF087136.D

Acq: 18 May 2016 7:36

Tgt Ion:178 Resp: 359899

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 15.0 12.7 19.1

