

Data Path : Z:\HPCHEM1\BNA F\Data\BF051016\
 Data File : BF086890.D
 Acq On : 11 May 2016 9:30
 Operator : UM/SJ
 Sample : H2961-03 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 11 12:53:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

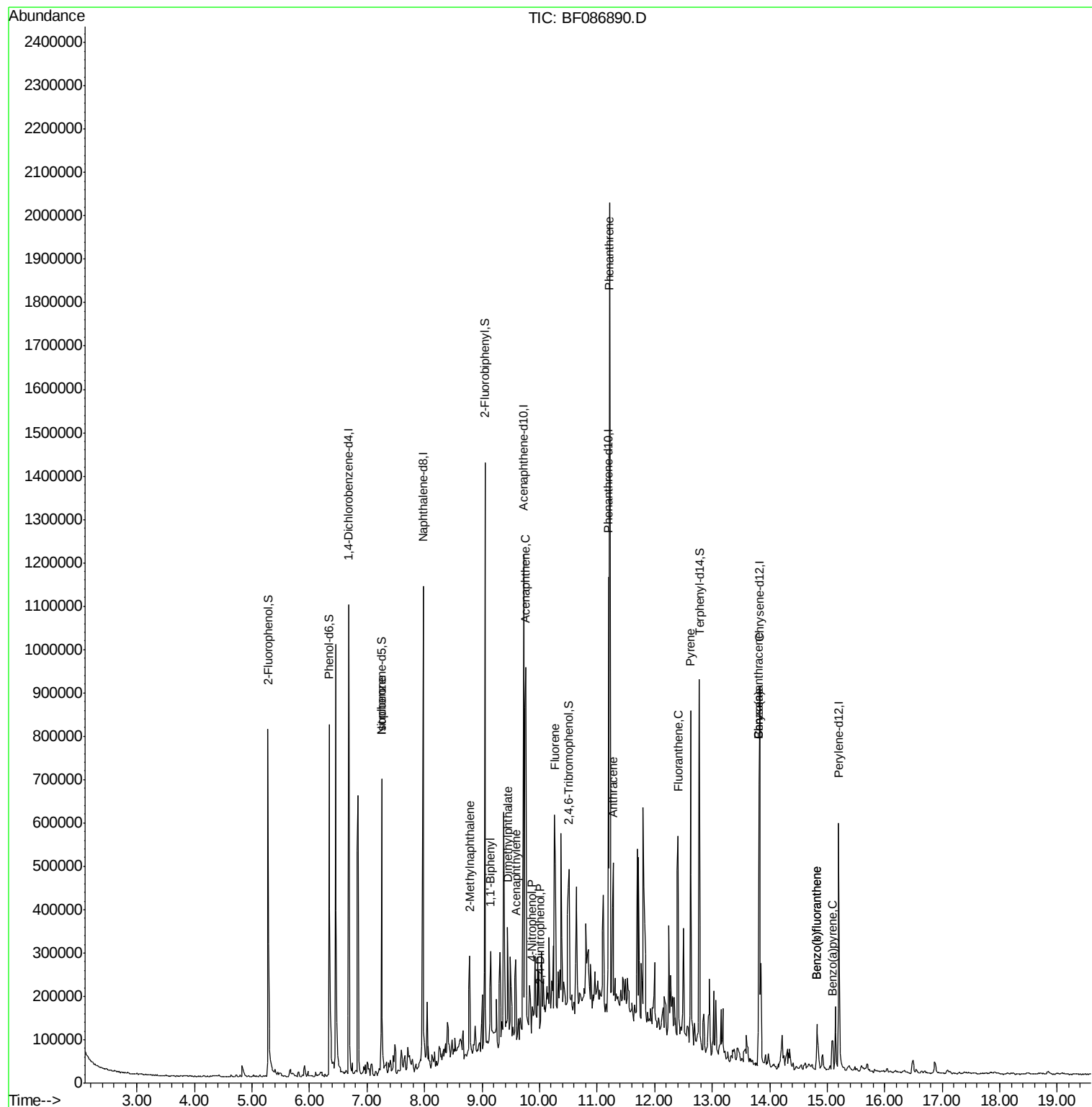
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	143939	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	538888	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	220254	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	346991	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	285875	20.00	ng	-0.01
86) Perylene-d12	15.20	264	248043	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	256388	30.17	ng	-0.01
7) Phenol-d6	6.34	99	346385	30.49	ng	-0.02
23) Nitrobenzene-d5	7.25	82	216939	20.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	49936	21.42	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	374447	28.57	ng	-0.01
78) Terphenyl-d14	12.77	244	240590	17.86	ng	-0.02
Target Compounds						Qvalue
25) Isophorone	7.25	82	186351	9.36	ng	# 69
37) 2-Methylnaphthalene	8.78	142	74853	4.74	ng	94
45) 1,1'-Biphenyl	9.15	154	70631	4.03	ng	99
48) Acenaphthylene	9.58	152	45544	2.26	ng	# 93
49) Dimethylphthalate	9.45	163	34660	2.06	ng	99
51) Acenaphthene	9.76	154	259638	20.67	ng	97
53) 2,4-Dinitrophenol	10.01	184	427	7.91	ng	# 27
55) 4-Nitrophenol	9.87	139	490	4.75	ng	# 40
57) Fluorene	10.26	166	196696	14.31	ng	97
60) 4-Chlorophenyl-phenylether	10.09	204	1807	Below Cal		# 1
70) Phenanthrene	11.22	178	680193	36.73	ng	100
71) Anthracene	11.28	178	197321	10.42	ng	98
74) Fluoranthene	12.41	202	242113	12.71	ng	91
77) Pyrene	12.63	202	358690	16.39	ng	99
80) Benzo(a)anthracene	13.81	228	132481	8.26	ng	# 77
82) Chrysene	13.81	228	132481	8.12	ng	# 78
87) Benzo(b)fluoranthene	14.82	252	78530	4.87	ng	98
88) Benzo(k)fluoranthene	14.82	252	78530	5.95	ng	98
89) Benzo(a)pyrene	15.09	252	39716	2.86	ng	98

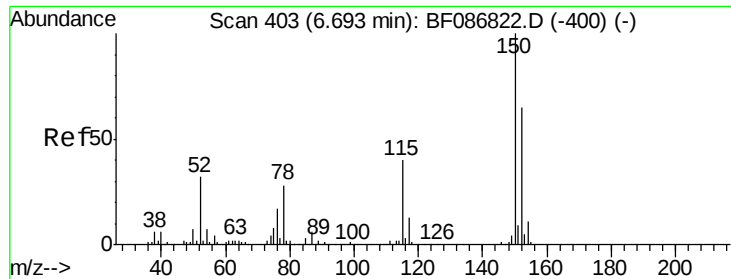
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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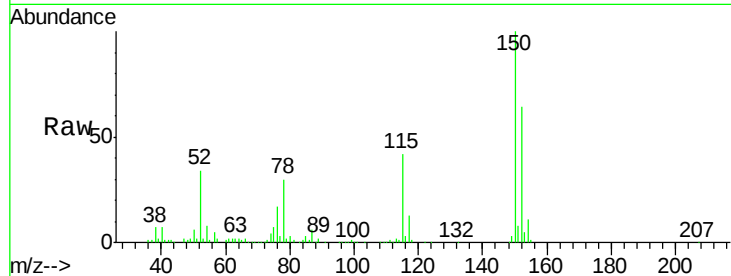


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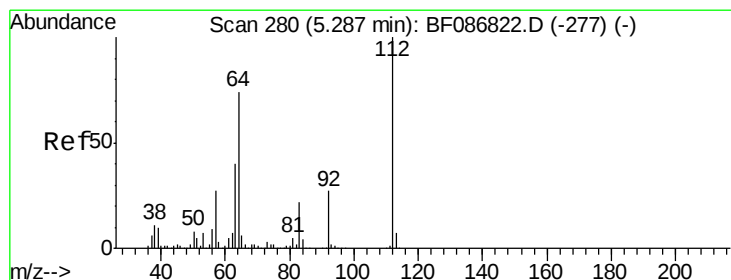
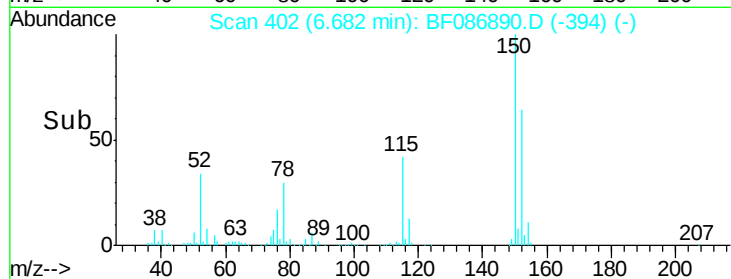
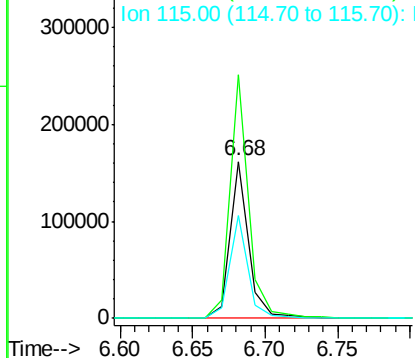
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.8	188.6
115	65.5	51.5	77.3



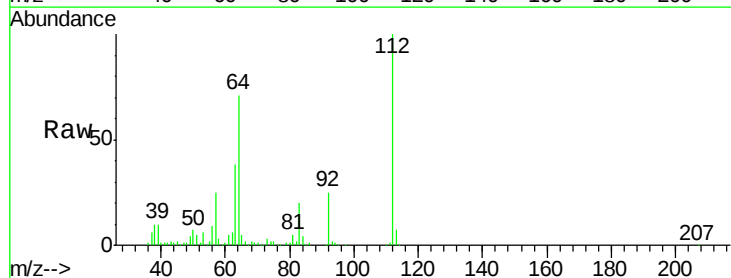
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



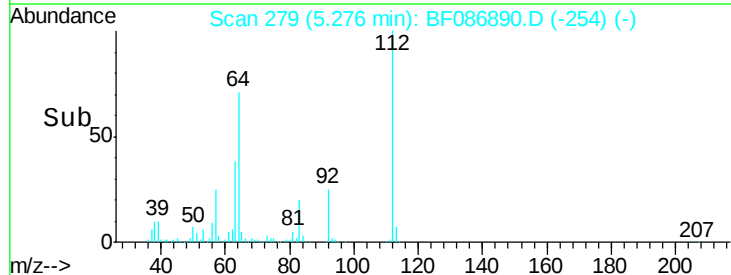
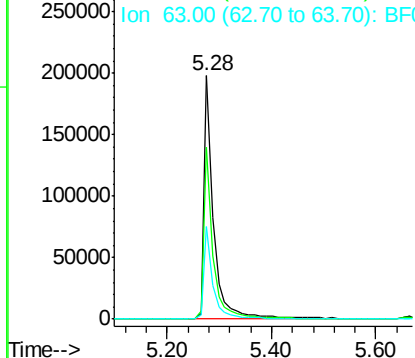
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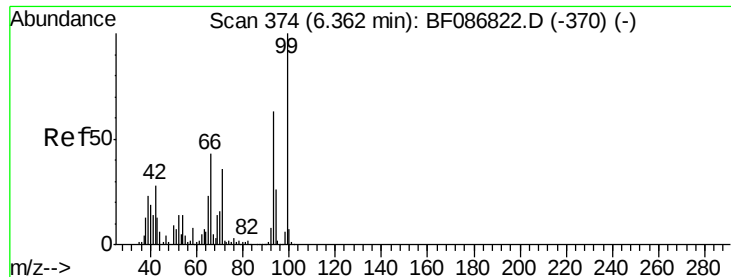
2-Fluorophenol
Concen: 30.17 ng
RT: 5.28 min Scan# 279
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	52.1	78.1
63	37.9	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: 30.49 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

ClientSampleId :

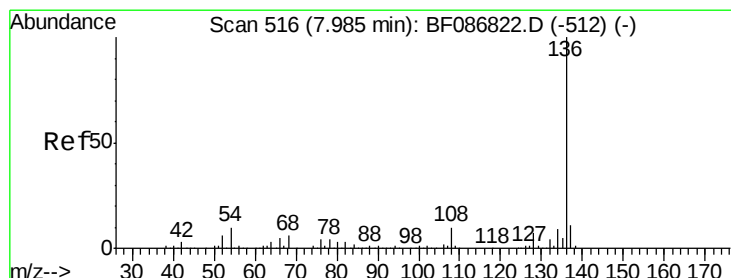
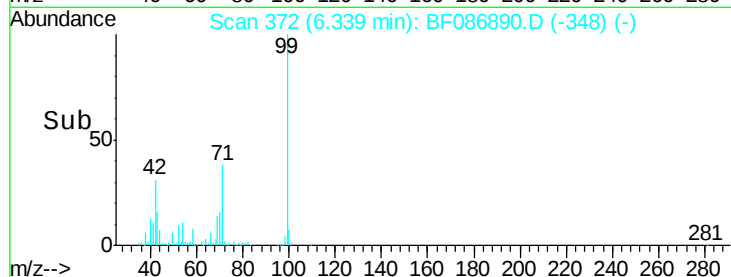
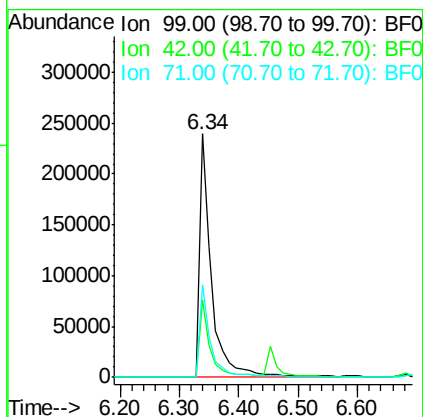
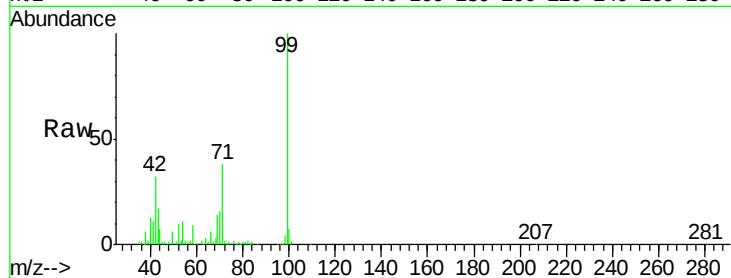
Tot Ion: 99 Resp: 346385

Ion Ratio Lower Upper

99 100

42 31.5 13.6 20.4#

71 38.0 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Tgt Ion: 136 Resp: 538888

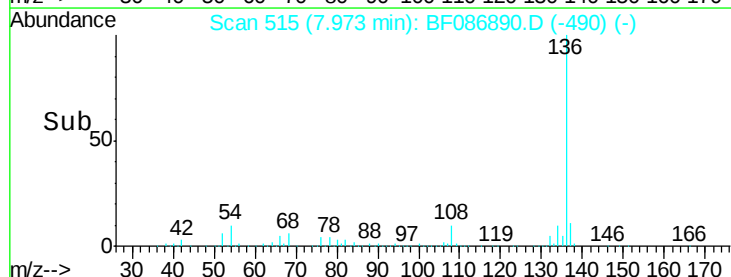
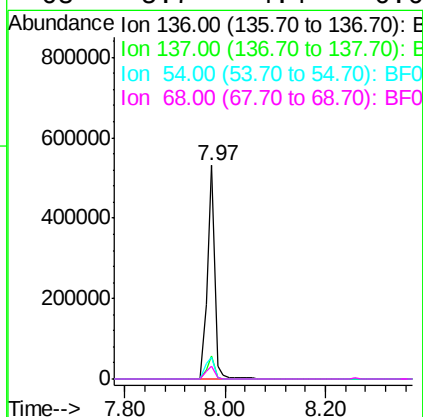
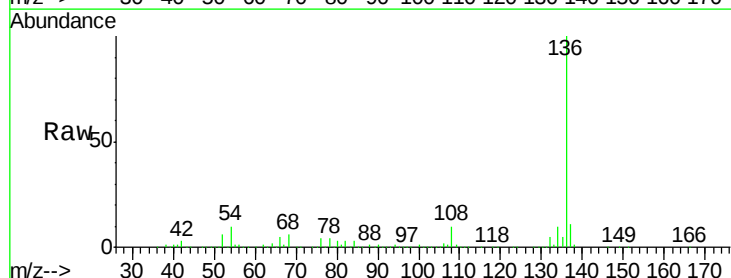
Ion Ratio Lower Upper

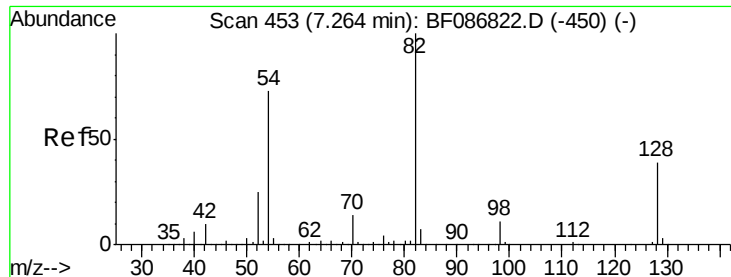
136 100

137 10.7 8.8 13.2

54 10.1 5.0 7.4#

68 5.7 4.4 6.6

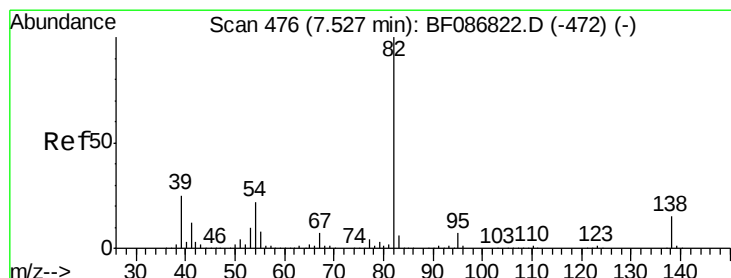
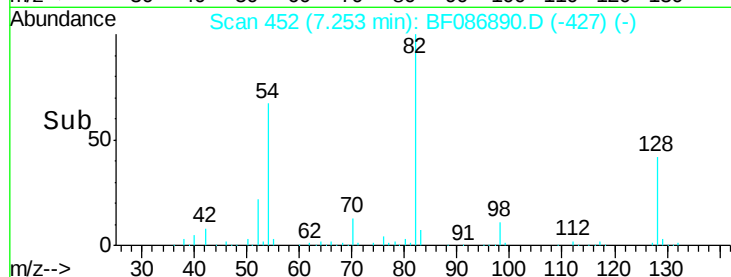
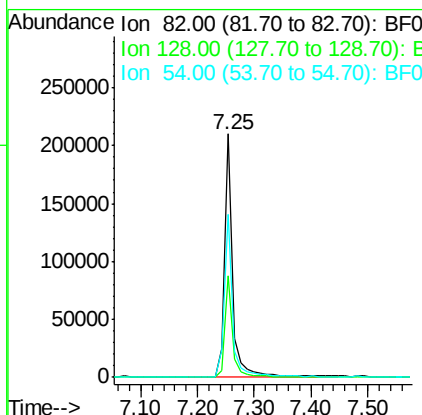
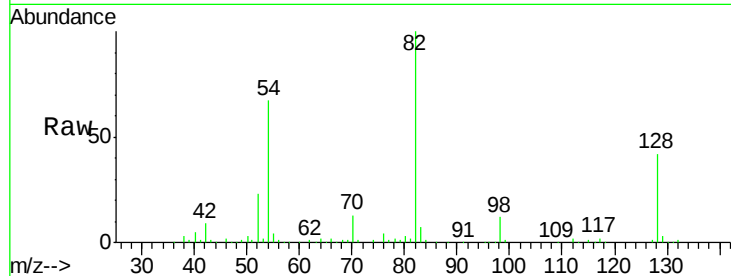




#23
Nitrobenzene-d5
Concen: 20.21 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

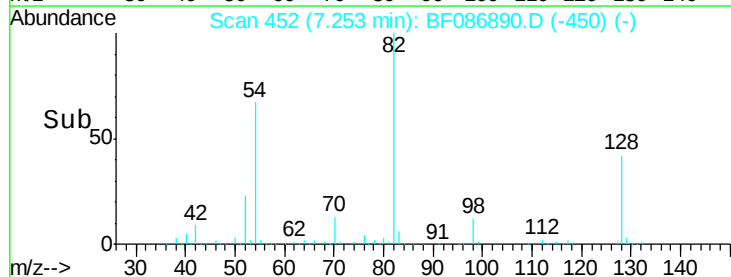
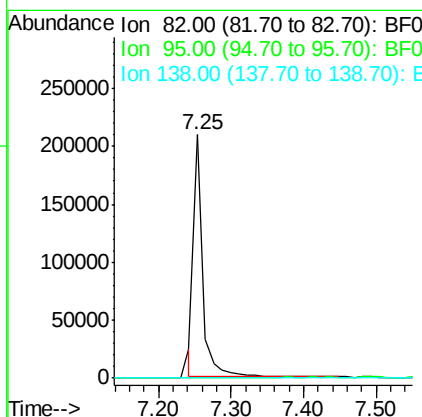
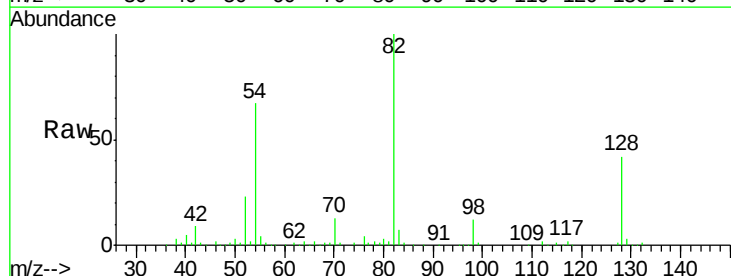
Instrument :
BNA_F
ClientSampleId :

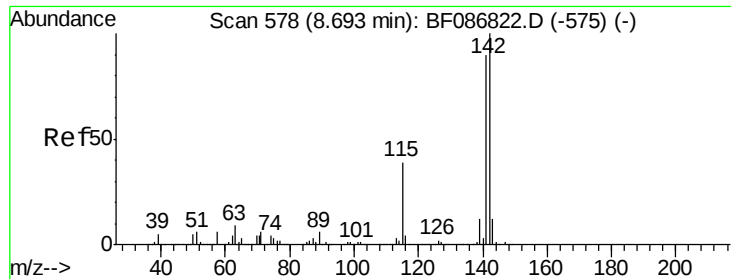
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	40.6	61.0
54	66.9	38.1	57.1#



#25
Isophorone
Concen: 9.36 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.27 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.4	5.1	7.7#
138	0.0	12.4	18.6#

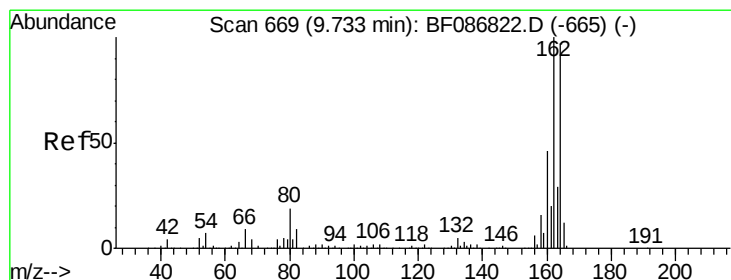
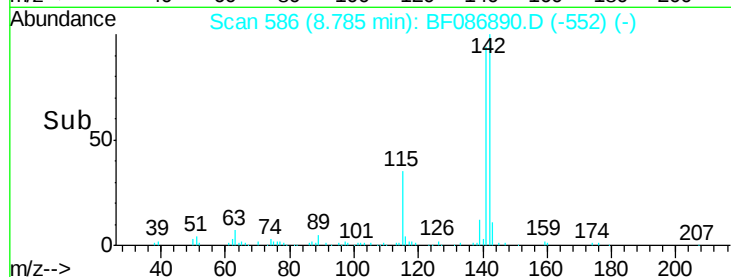
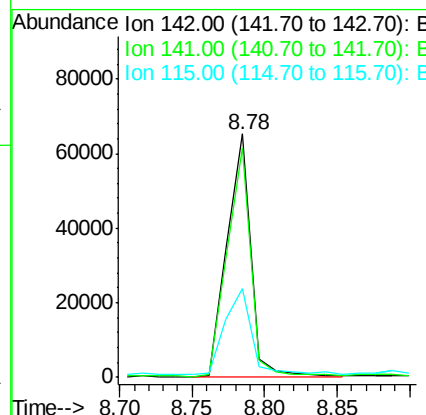
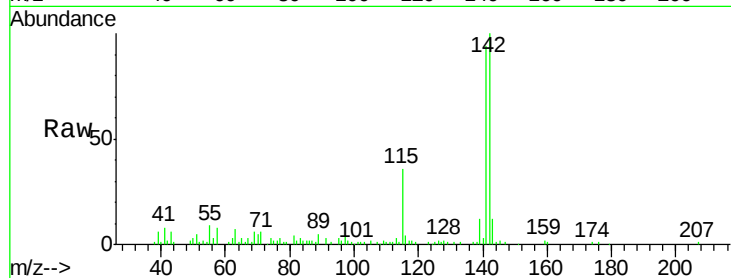




#37
2-Methylnaphthalene
Concen: 4.74 ng
RT: 8.78 min Scan# 586
Delta R.T. 0.09 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

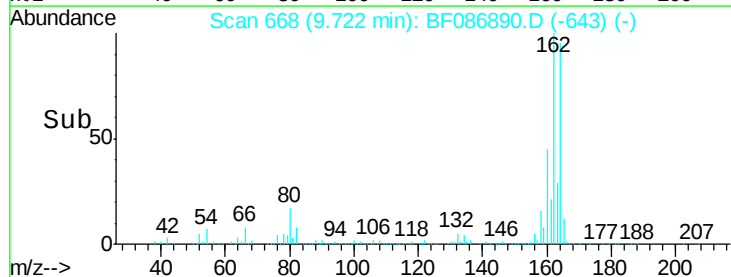
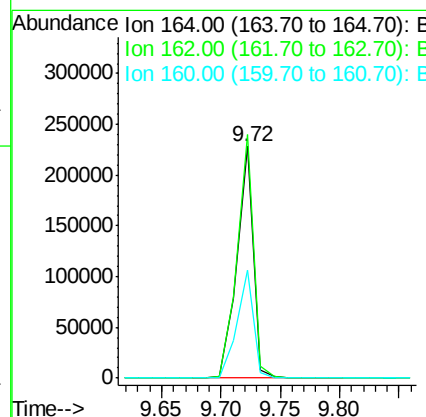
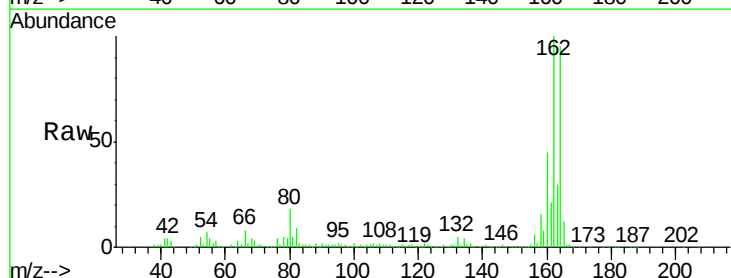
Instrument :
BNA_F
ClientSampleId :

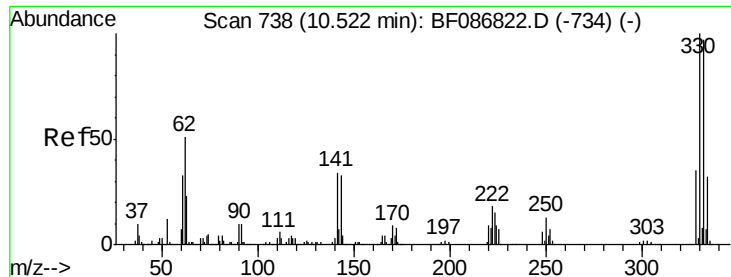
Tot Ion:142 Resp: 74853
Ion Ratio Lower Upper
142 100
141 94.5 71.0 106.6
115 36.4 26.6 39.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion:164 Resp: 220254
Ion Ratio Lower Upper
164 100
162 104.9 82.8 124.2
160 46.8 36.9 55.3

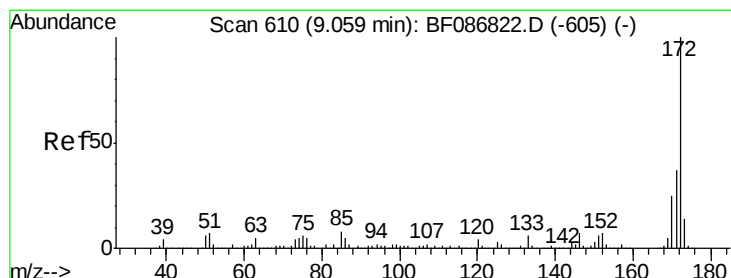
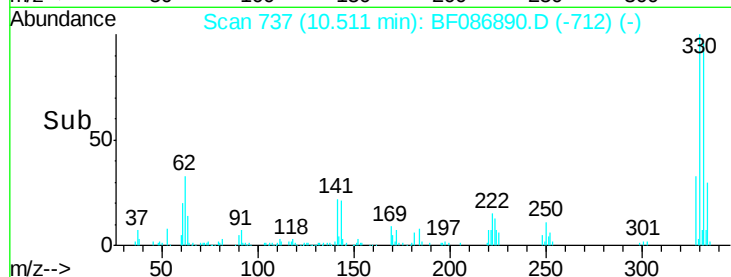
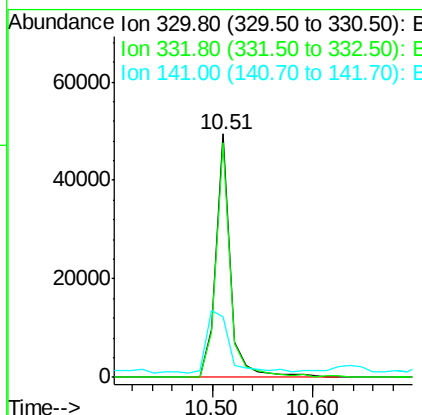
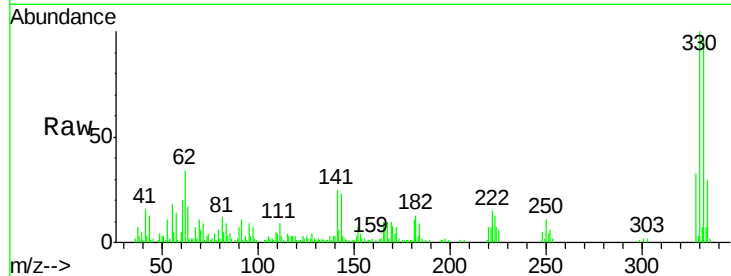




#41
 2,4,6-Tribromophenol
 Concen: 21.42 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

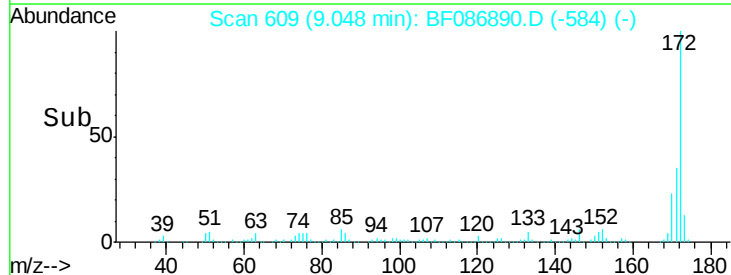
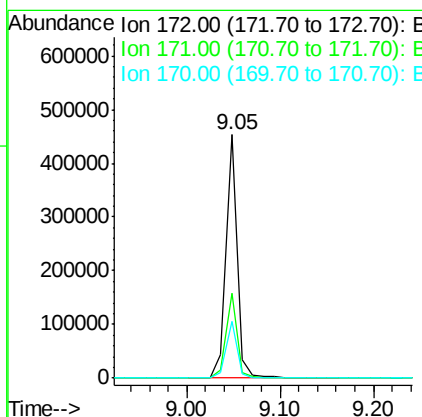
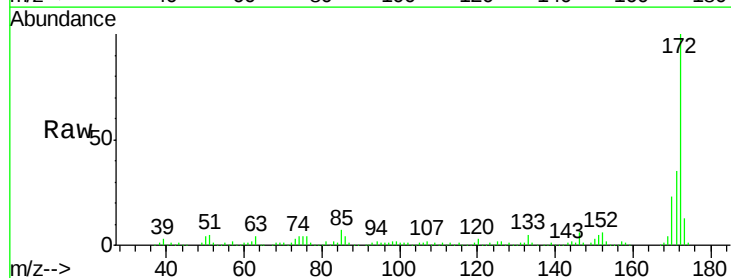
Instrument :
 BNA_F
 ClientSampleId :

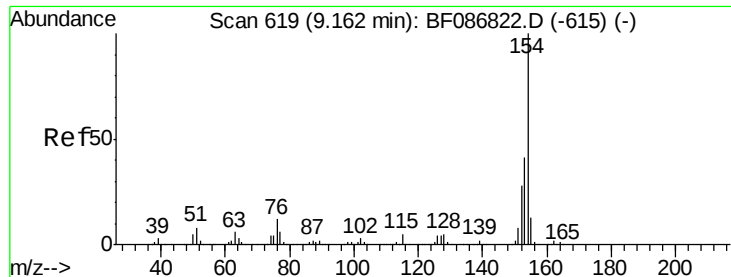
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	79.0	118.4
141	39.2	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 28.57 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.6
170	23.3	19.8	29.8

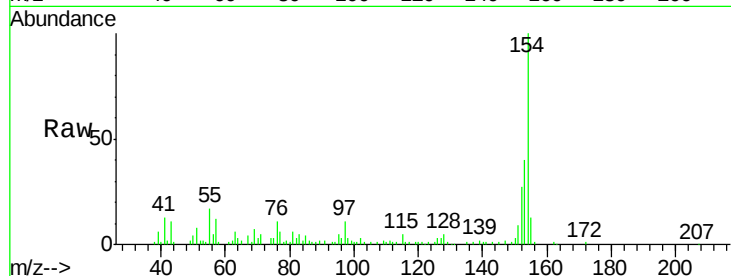




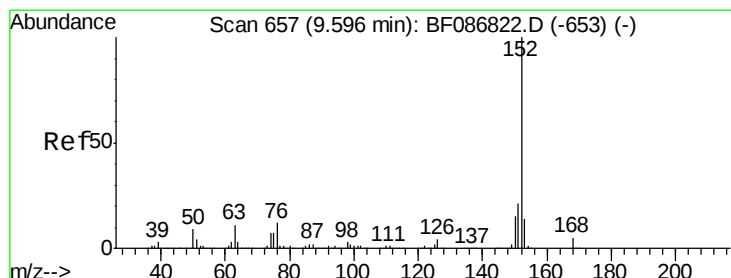
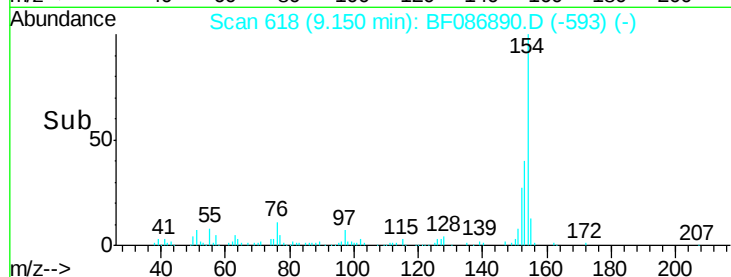
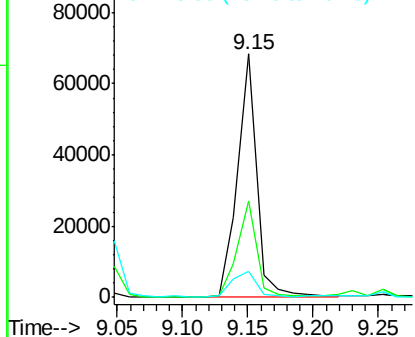
#45
 1,1'-Biphenyl
 Concen: 4.03 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	10.6	0.0	30.2

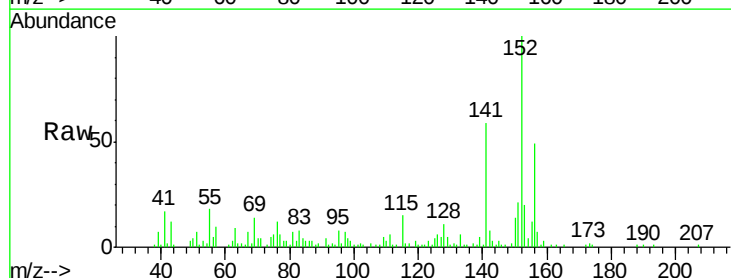


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

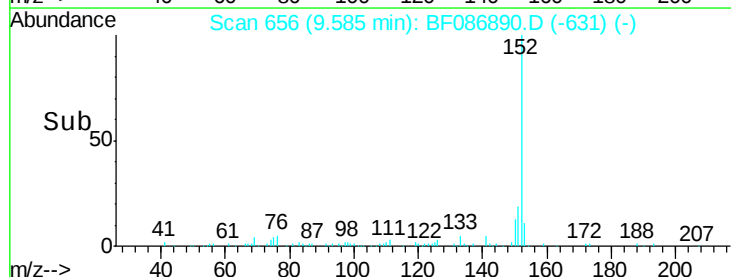
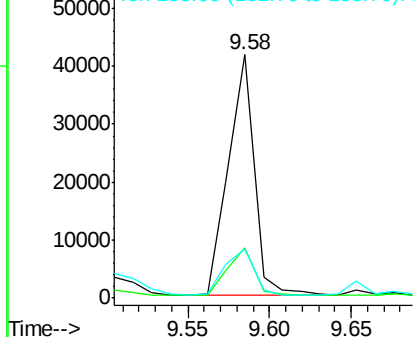


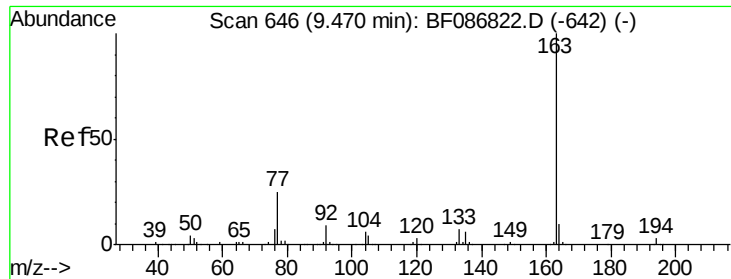
#48
 Acenaphthylene
 Concen: 2.26 ng
 RT: 9.58 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	20.3	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

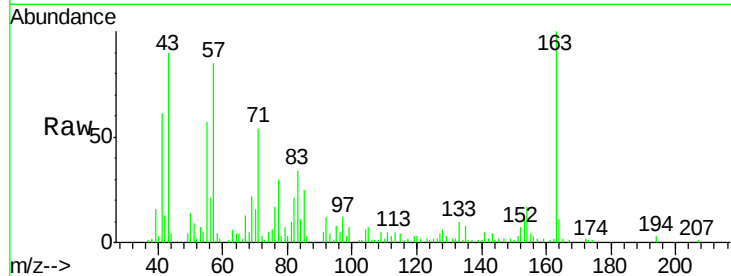




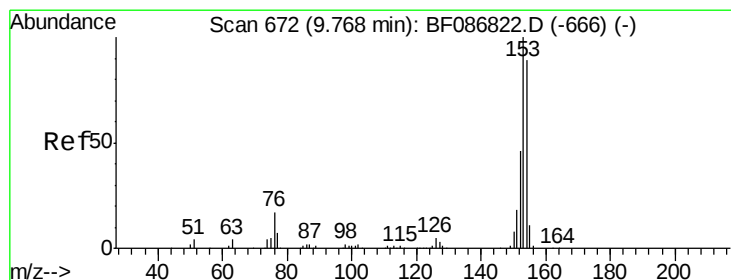
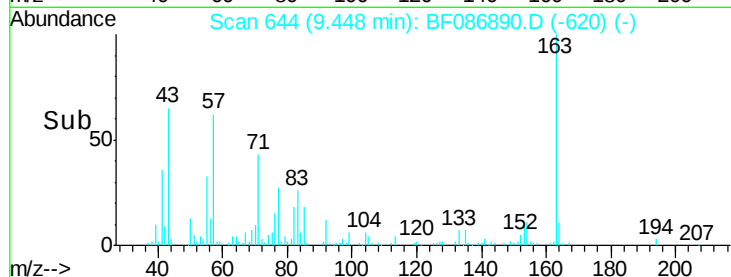
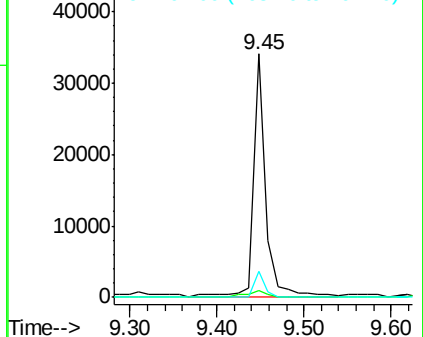
#49
Dimethylphthalate
Concen: 2.06 ng
RT: 9.45 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 34660
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.7 8.2 12.4

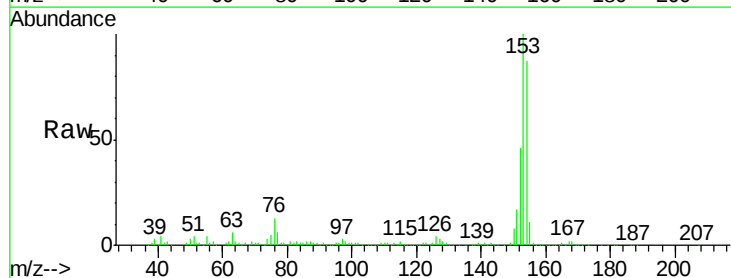


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

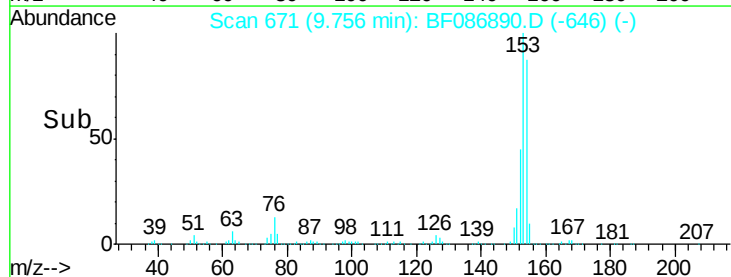
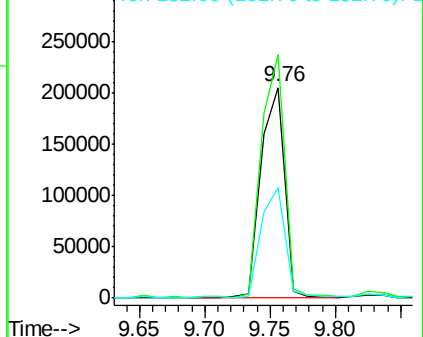


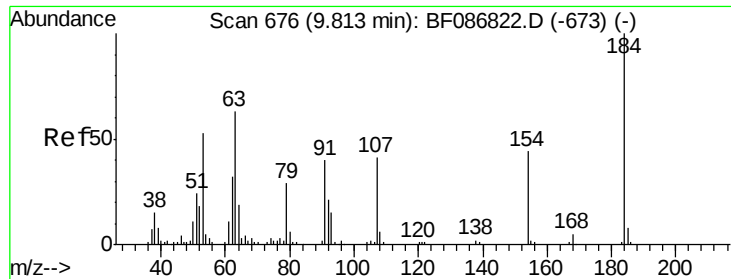
#51
Acenaphthene
Concen: 20.67 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion:154 Resp: 259638
Ion Ratio Lower Upper
154 100
153 115.5 89.8 134.6
152 52.6 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

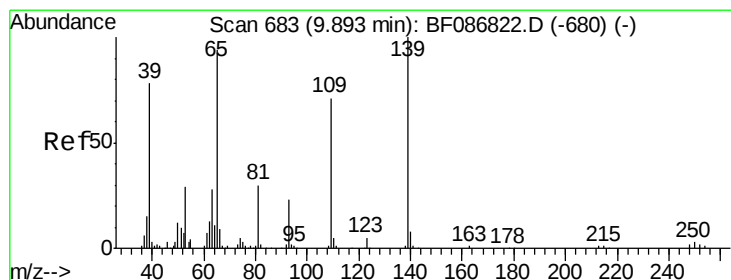
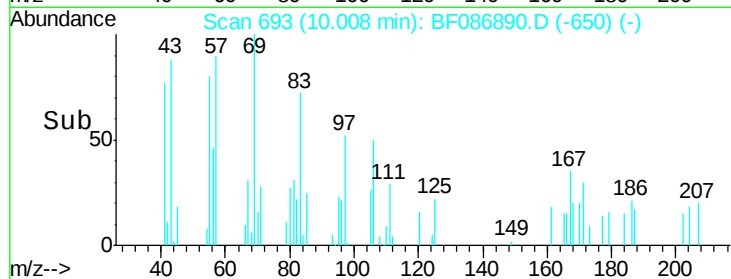
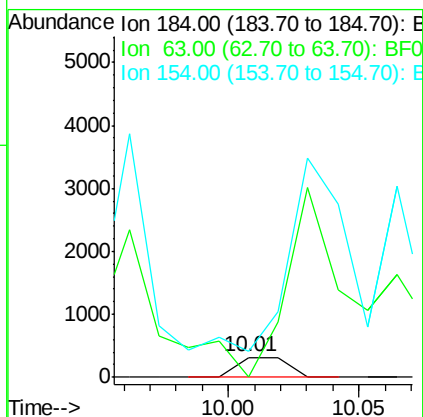
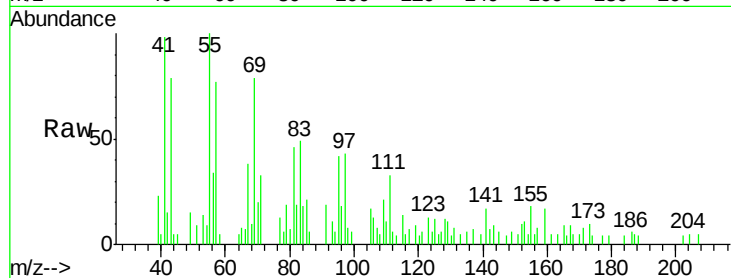




#53
 2,4-Dinitrophenol
 Concen: 7.91 ng
 RT: 10.01 min Scan# 693
 Delta R.T. 0.19 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

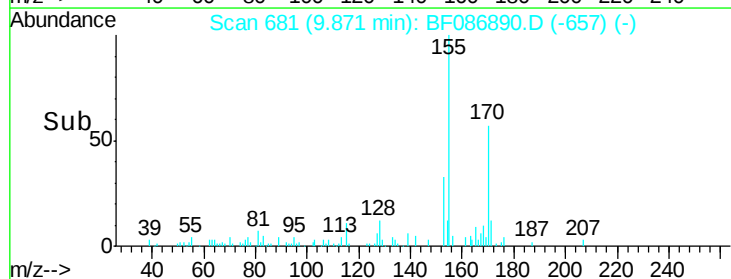
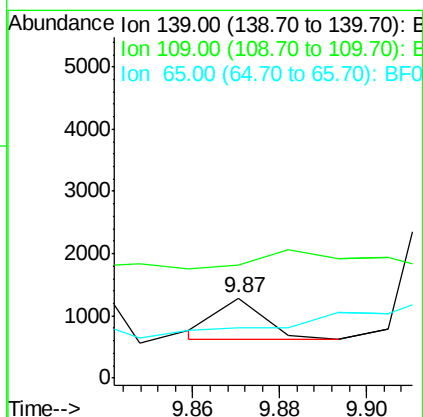
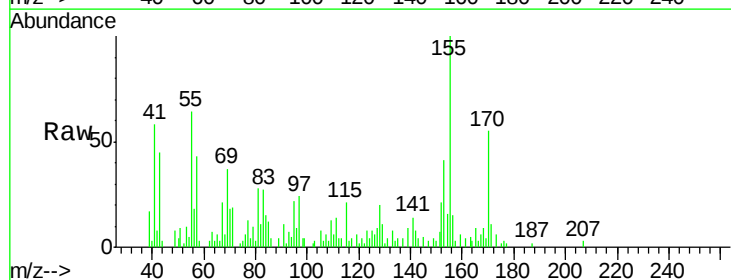
Instrument :
 BNA_F
 ClientSampleId :

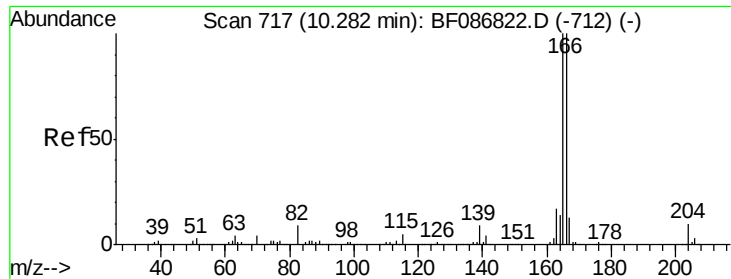
Tot Ion:184 Resp: 427
 Ion Ratio Lower Upper
 184 100
 63 0.0 55.8 83.8#
 154 132.2 62.4 93.6#



#55
 4-Nitrophenol
 Concen: 4.75 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.02 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

Tgt Ion:139 Resp: 490
 Ion Ratio Lower Upper
 139 100
 109 141.0 36.9 76.9#
 65 62.2 64.0 104.0#

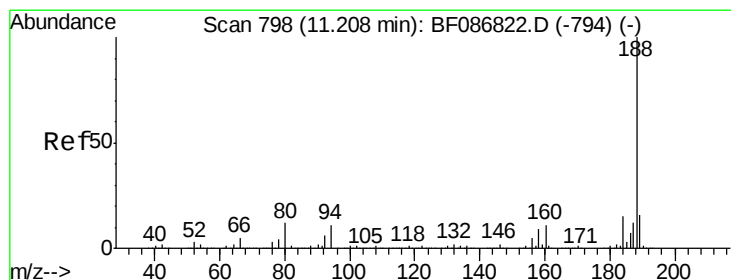
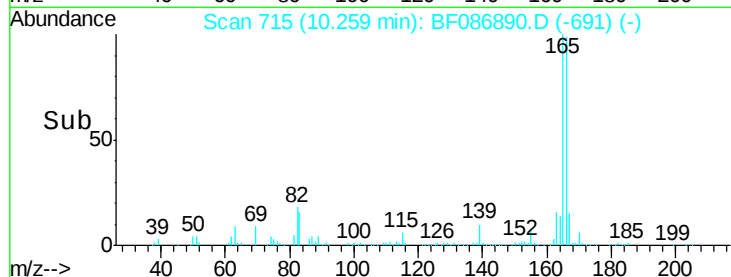
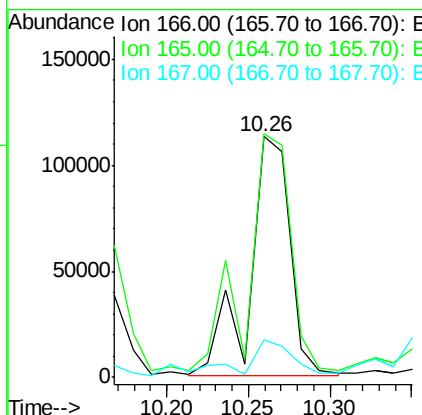
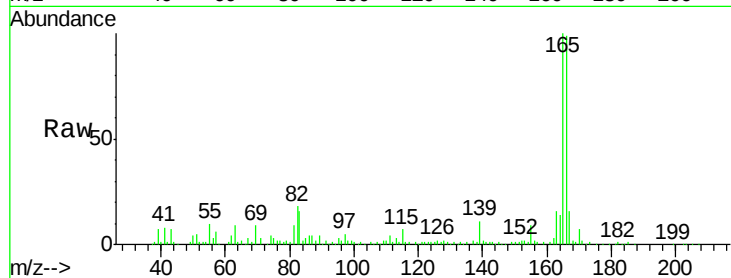




#57
Fluorene
 Concen: 14.31 ng
 RT: 10.26 min Scan# 715
 Delta R.T. -0.02 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

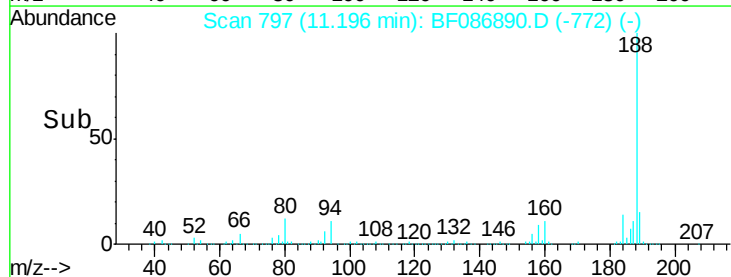
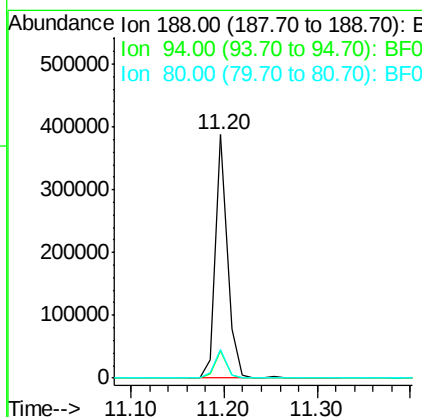
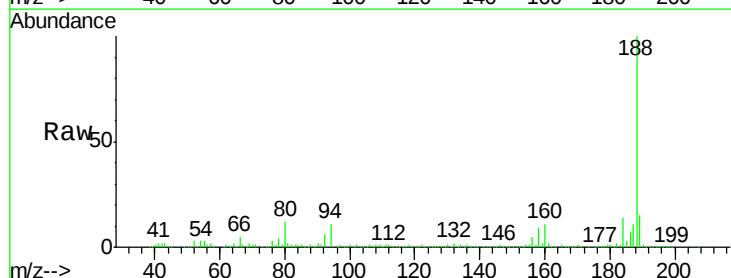
Instrument :
 BNA_F
 ClientSampleId :

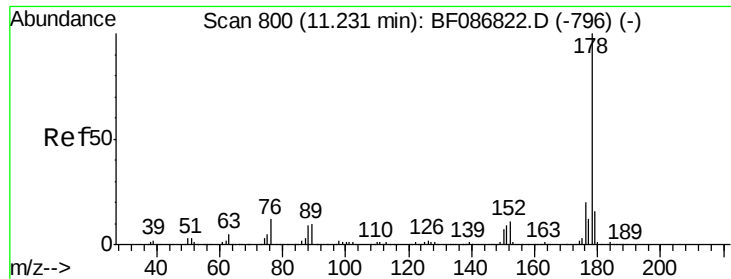
Tot Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.0	118.6
167	15.8	10.6	15.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF086890.D
 Acq: 11 May 2016 9:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	6.8	10.2#
80	11.8	7.1	10.7#

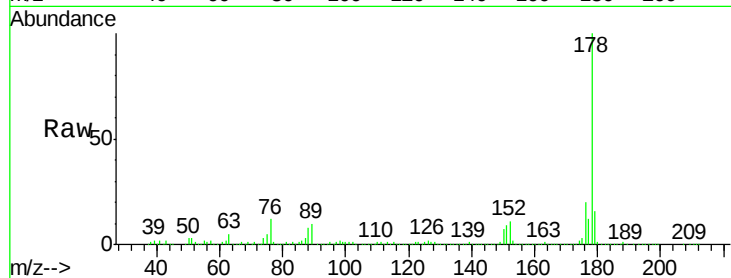




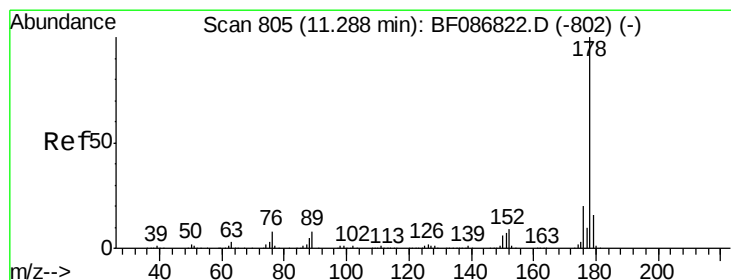
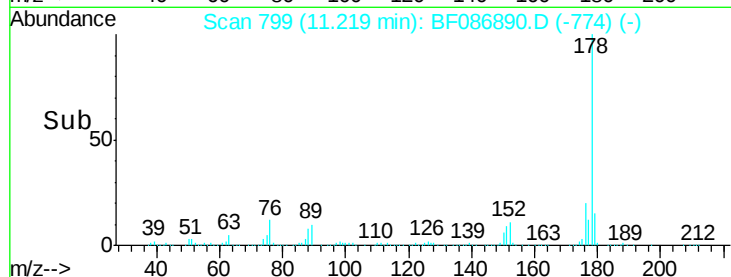
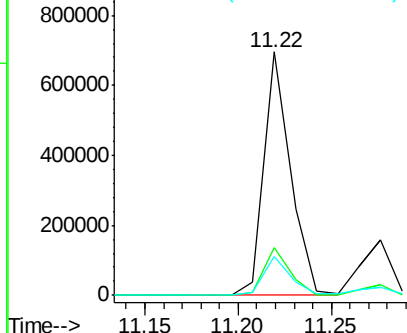
#70
Phenanthrene
Concen: 36.73 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 680193
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.7 12.6 18.8

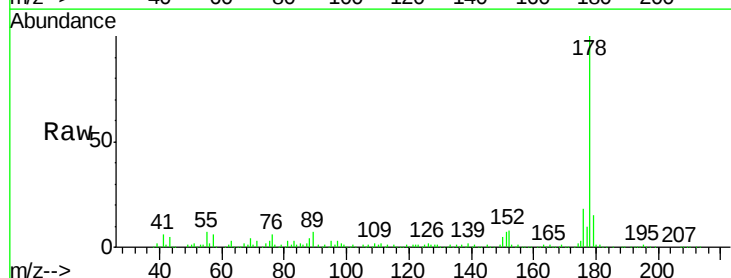


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

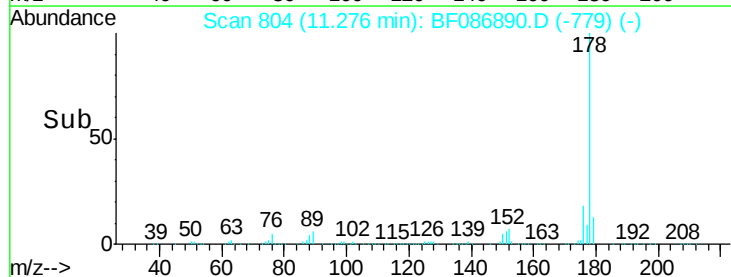
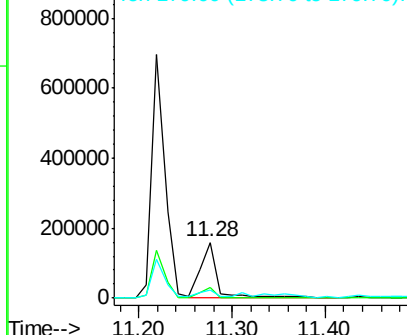


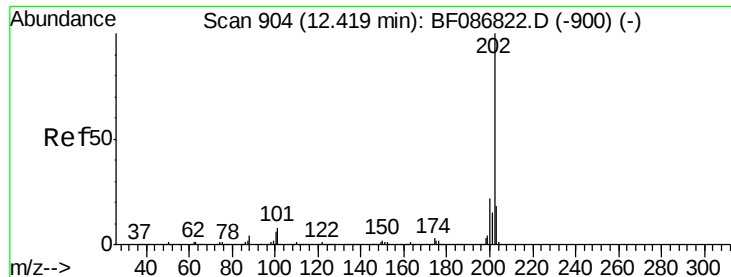
#71
Anthracene
Concen: 10.42 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion:178 Resp: 197321
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.1 12.7 19.1



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: 12.71 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :

BNA_F

ClientSampled :

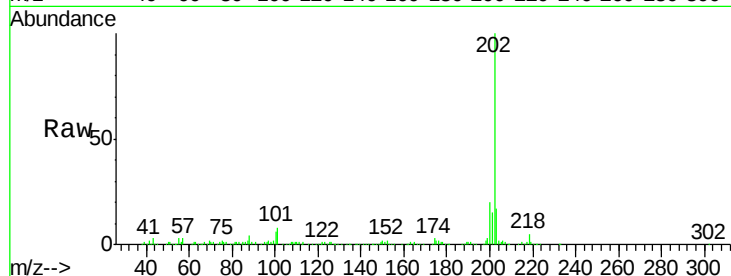
Tot Ion:202 Resp: 242113

Ion Ratio Lower Upper

202 100

101 8.1 0.0 35.4

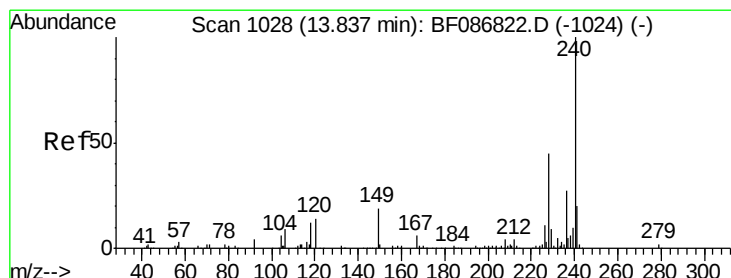
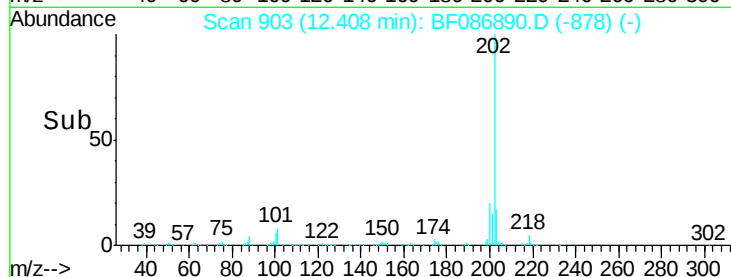
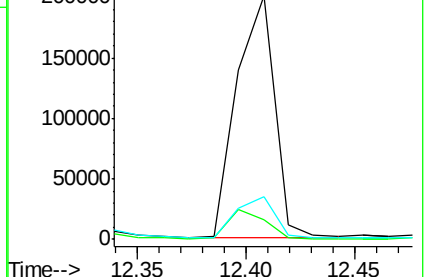
203 17.3 0.0 38.1



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: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

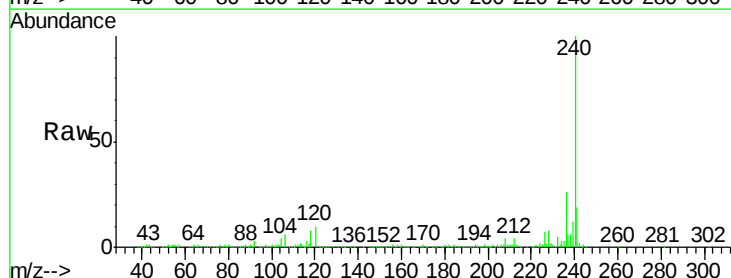
Tgt Ion:240 Resp: 285875

Ion Ratio Lower Upper

240 100

120 9.9 11.2 16.8#

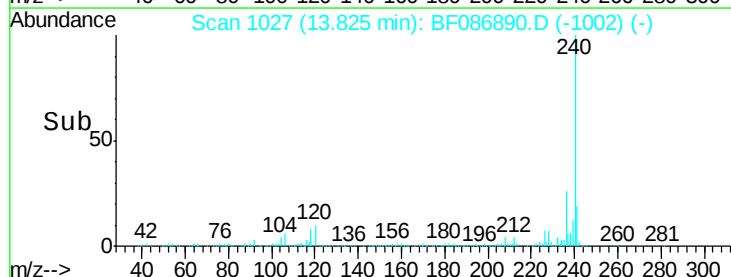
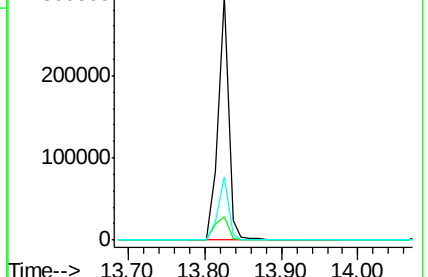
236 26.1 21.2 31.8

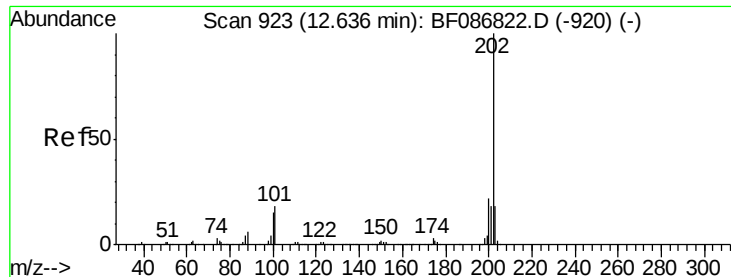


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.39 ng

RT: 12.63 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

Instrument :
BNA_F
ClientSampleId :

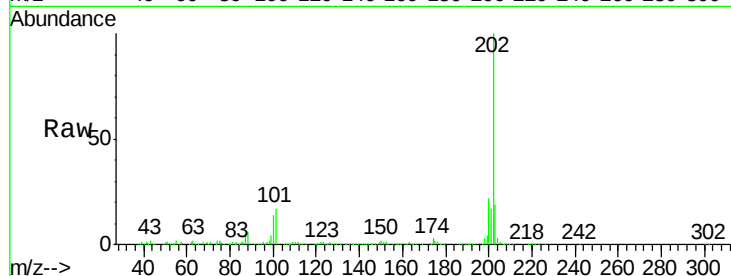
Tot Ion:202 Resp: 358690

Ion Ratio Lower Upper

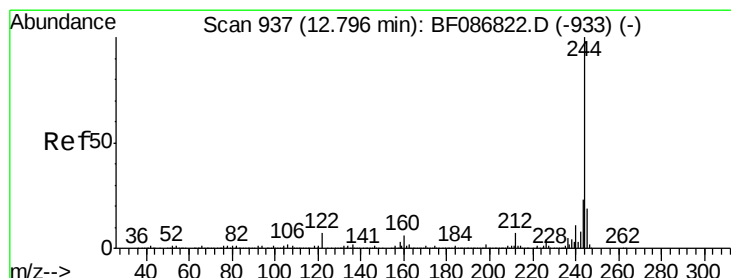
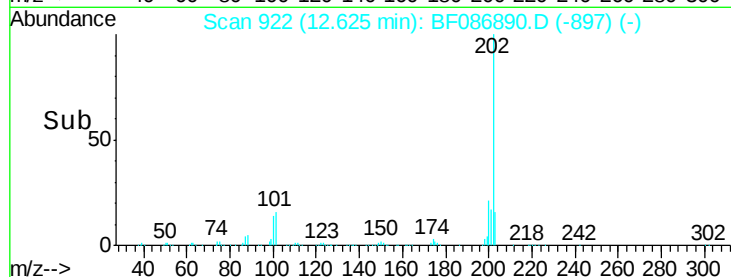
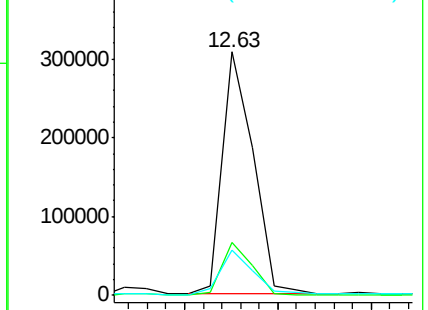
202 100

200 21.6 17.7 26.5

203 18.6 14.2 21.4



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: 17.86 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF086890.D

Acq: 11 May 2016 9:30

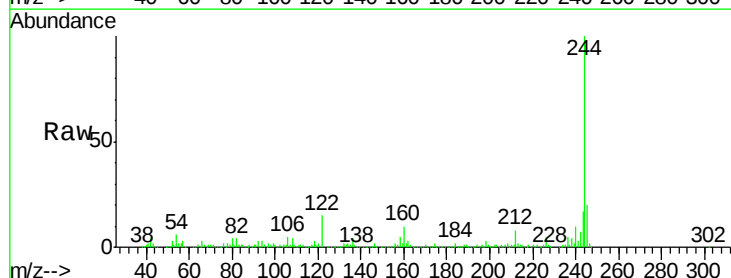
Tgt Ion:244 Resp: 240590

Ion Ratio Lower Upper

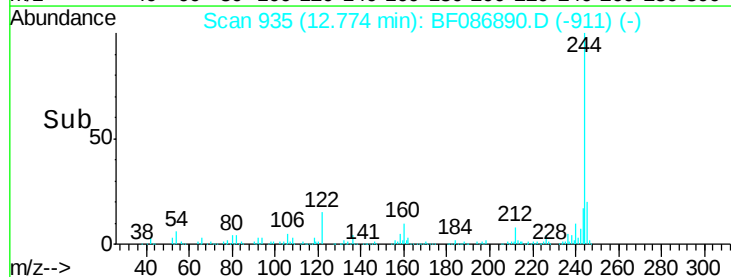
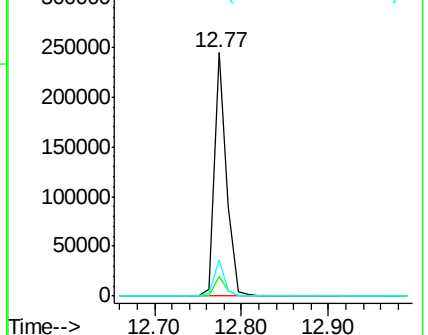
244 100

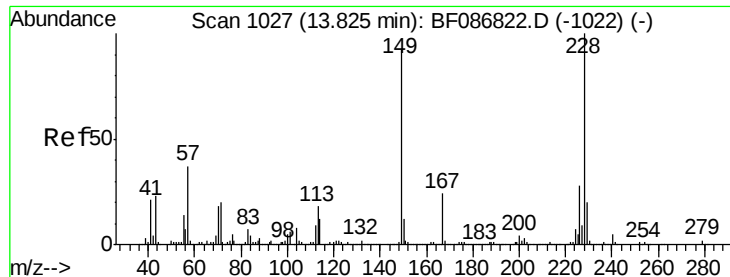
212 8.1 6.2 9.2

122 15.1 12.0 18.0



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

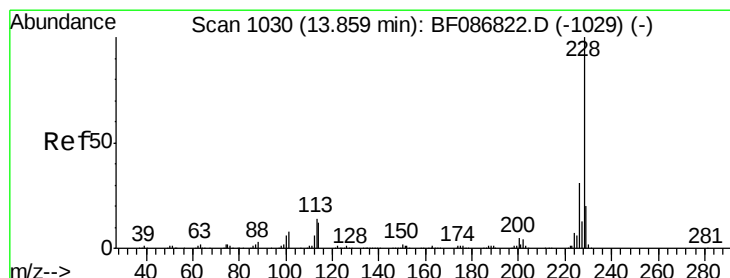
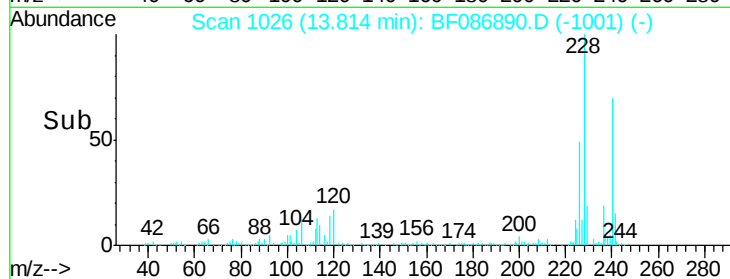
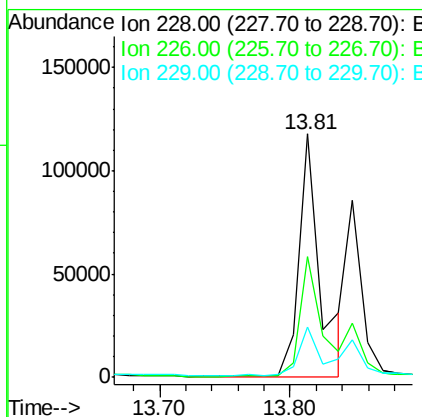
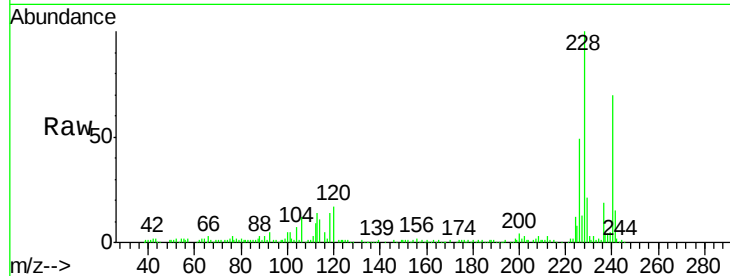




#80
Benzo(a)anthracene
Concen: 8.26 ng
RT: 13.81 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

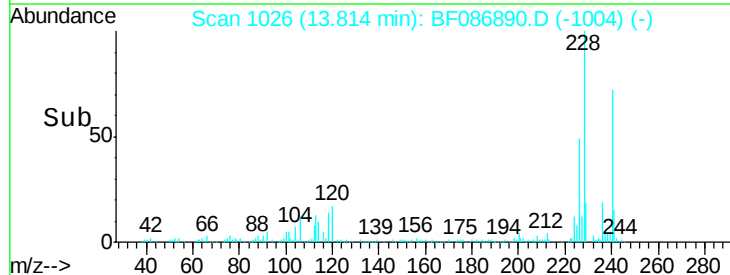
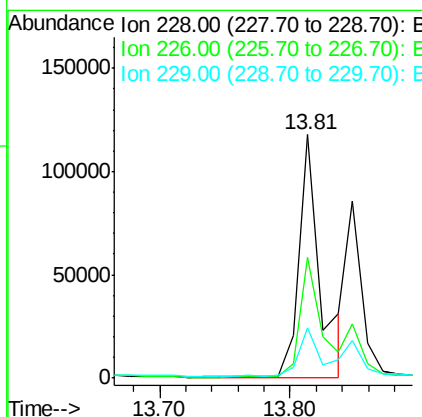
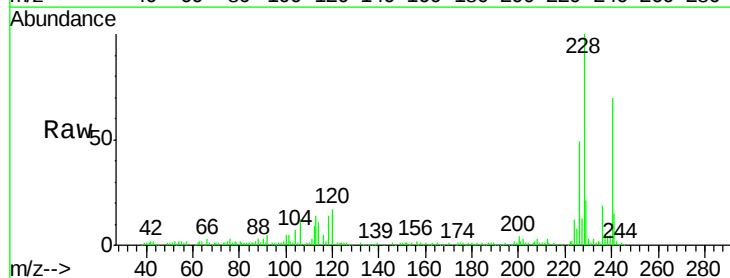
Instrument :
BNA_F
ClientSampleId :

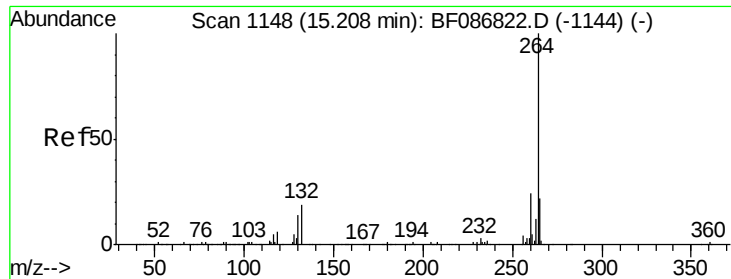
Tot Ion:228 Resp: 132481
Ion Ratio Lower Upper
228 100
226 49.4 22.5 33.7#
229 20.6 16.6 25.0



#82
Chrysene
Concen: 8.12 ng
RT: 13.81 min Scan# 1026
Delta R.T. -0.05 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion:228 Resp: 132481
Ion Ratio Lower Upper
228 100
226 49.4 24.4 36.6#
229 20.6 15.8 23.8

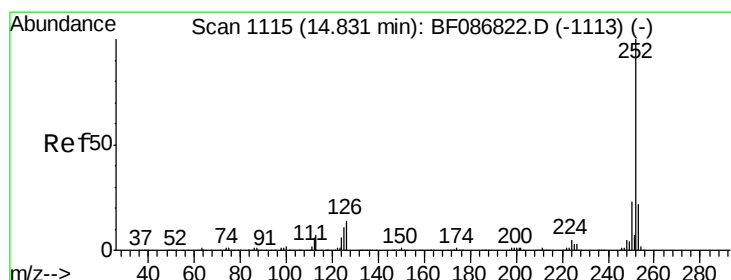
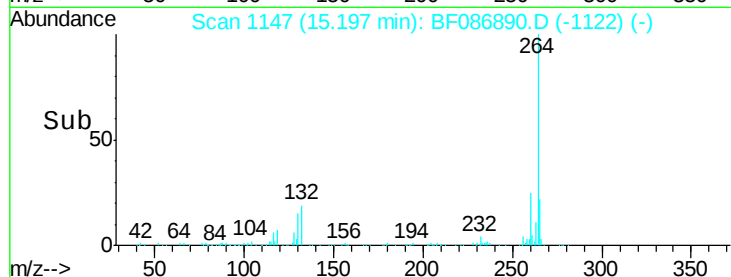
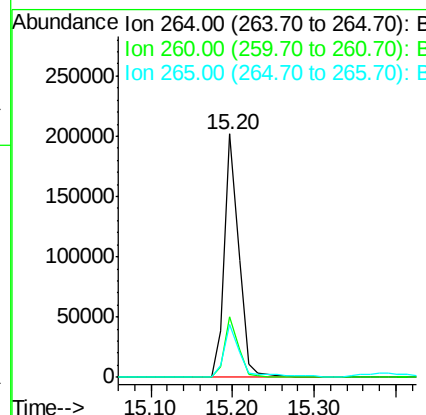
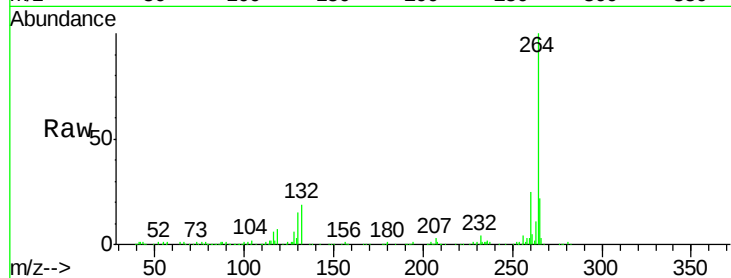




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

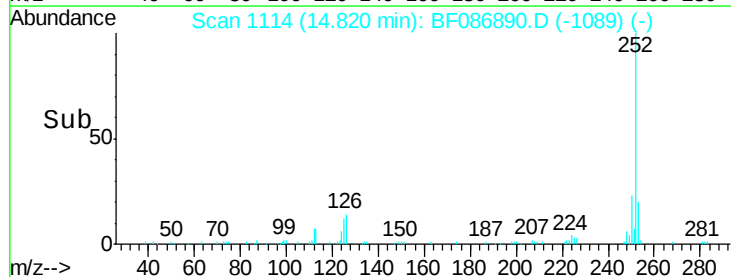
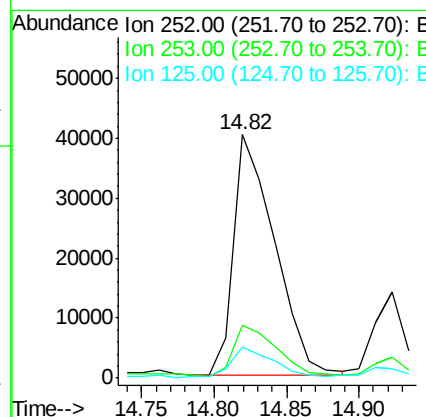
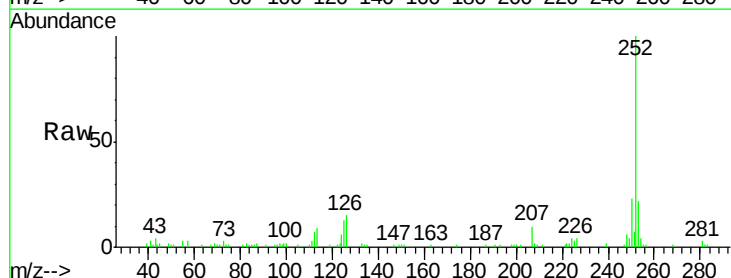
Instrument :
BNA_F
ClientSampleId :

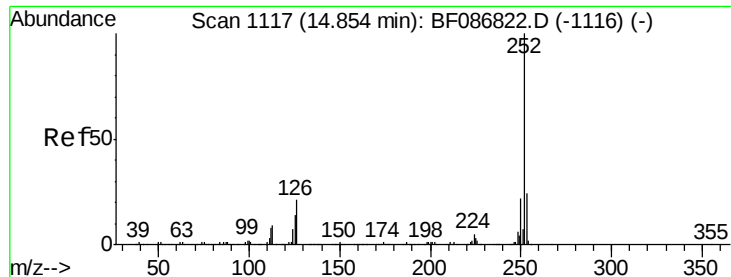
Tot Ion:264 Resp: 248043
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.9 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.87 ng
RT: 14.82 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion:252 Resp: 78530
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 12.7 11.4 17.0

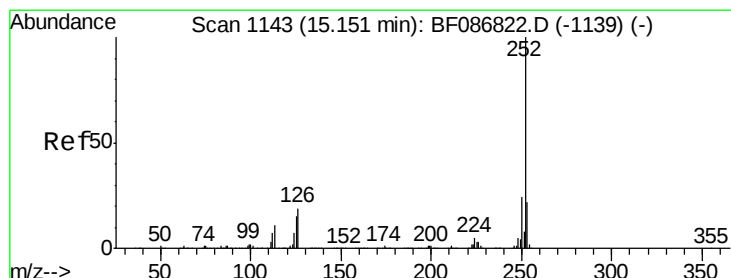
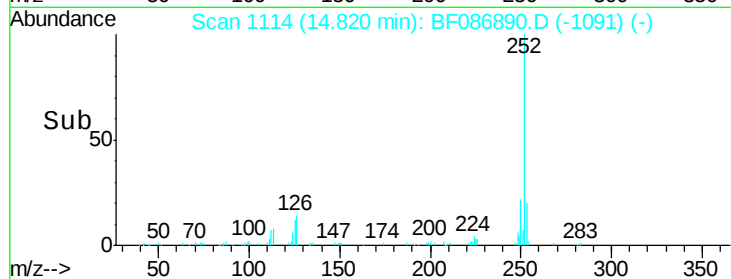
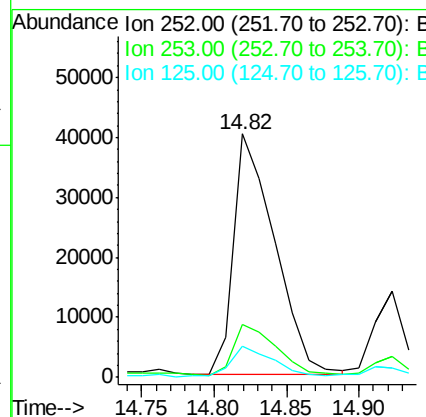
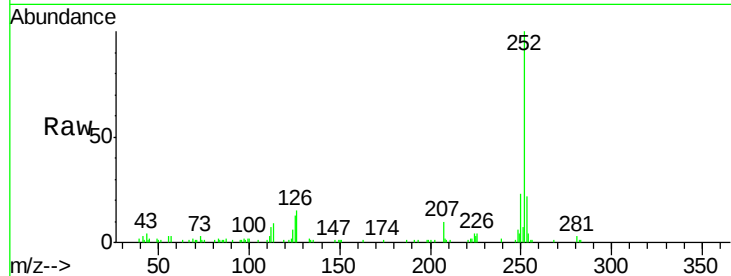




#88
Benzo(k)fluoranthene
Concen: 5.95 ng
RT: 14.82 min Scan# 1114
Delta R.T. -0.03 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 78530
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 12.7 9.1 13.7



#89
Benzo(a)pyrene
Concen: 2.86 ng
RT: 15.09 min Scan# 1138
Delta R.T. -0.06 min
Lab File: BF086890.D
Acq: 11 May 2016 9:30

Tgt Ion:252 Resp: 39716
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 11.8 9.0 13.6

