

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112014\
 Data File : BF075740.D
 Acq On : 21 Nov 2014 7:31
 Operator : TP / JJ
 Sample : F4777-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-06-11-14-14

Quant Time: Nov 21 08:02:07 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111914.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 18:09:59 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	63913	20.00	ng	-0.01
21) Naphthalene-d8	9.05	136	281598	20.00	ng	-0.01
38) Acenaphthene-d10	11.24	164	148129	20.00	ng	-0.01
63) Phenanthrene-d10	13.08	188	230072	20.00	ng	-0.01
75) Chrysene-d12	16.38	240	246218	20.00	ng	-0.01
86) Perylene-d12	18.17	264	243471	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.77	112	208748	50.74	ng	-0.01
7) Phenol-d6	7.03	99	155321	31.05	ng	-0.01
23) Nitrobenzene-d5	8.16	82	319842	69.72	ng	-0.01
41) 2,4,6-Tribromophenol	12.22	330	136345	112.90	ng	-0.01
44) 2-Fluorobiphenyl	10.40	172	642300	67.88	ng	-0.01
78) Terphenyl-d14	15.08	244	531626	54.01	ng	-0.01

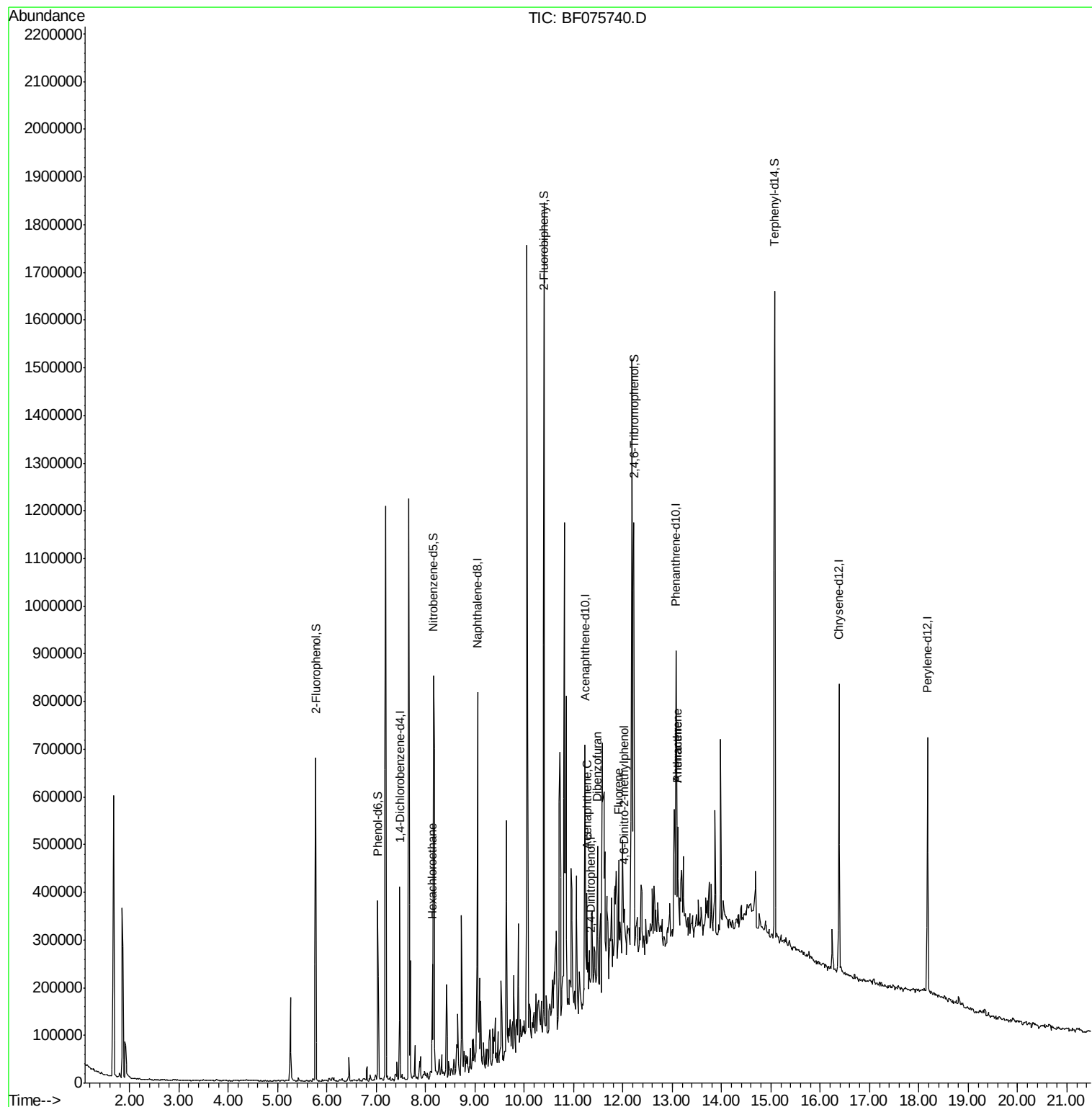
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	8.14	117	14811	8.57	ng	# 1
51) Acenaphthene	11.27	154	43586	5.15	ng	99
53) 2,4-Dinitrophenol	11.35	184	282	7.53	ng	# 1
54) Dibenzofuran	11.49	168	41589	3.36	ng	# 87
57) Fluorene	11.91	166	46446	4.65	ng	# 92
64) 4,6-Dinitro-2-methylphenol	12.03	198	767	4.01	ng	# 1
70) Phenanthrene	13.11	178	65450	4.67	ng	97
71) Anthracene	13.11	178	47948	3.30	ng	97
76) Benzidine	14.73	184	1908	Below Cal		# 1

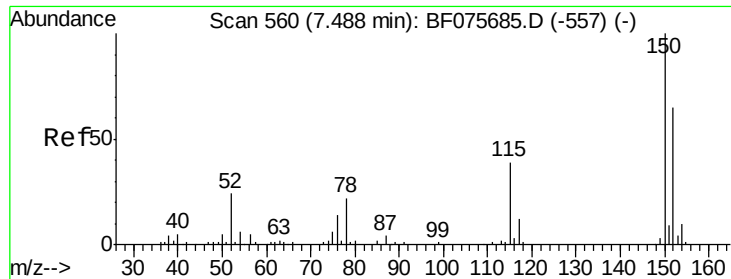
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF075740.D

Acq: 21 Nov 2014 7:31

Instrument :

BNA_F

ClientSampleId :

MW-06-11-14-14

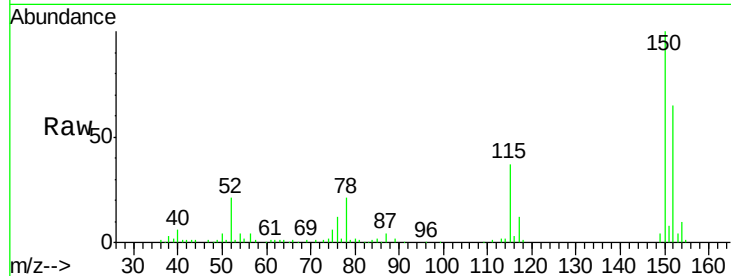
Tgt Ion:152 Resp: 63913

Ion Ratio Lower Upper

152 100

150 154.8 127.2 190.8

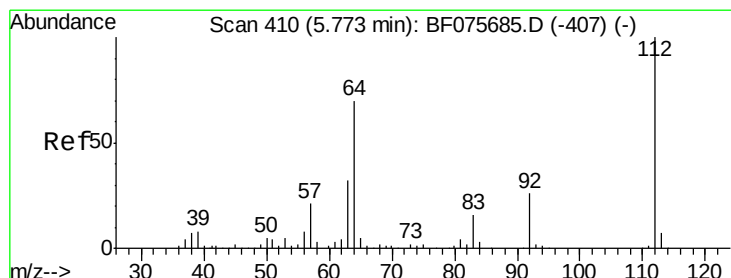
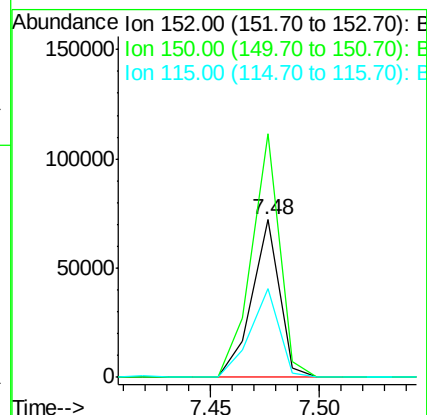
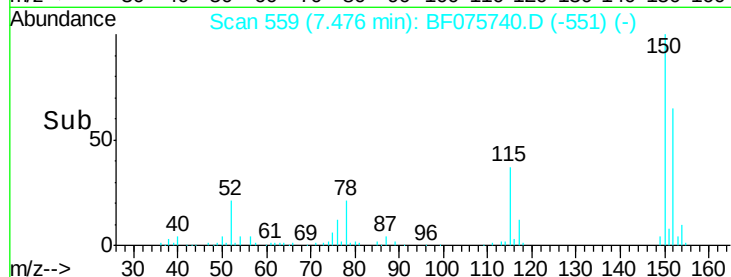
115 56.7 57.1 85.7#



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: 50.74 ng

RT: 5.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF075740.D

Acq: 21 Nov 2014 7:31

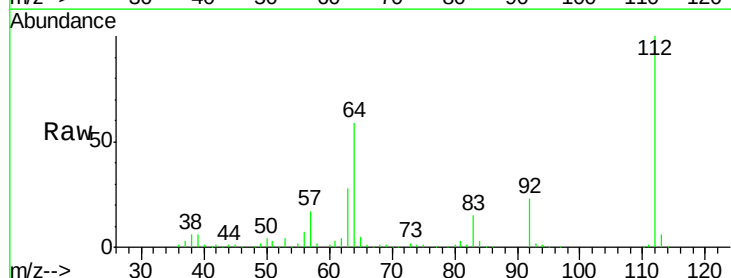
Tgt Ion:112 Resp: 208748

Ion Ratio Lower Upper

112 100

64 58.6 45.8 68.6

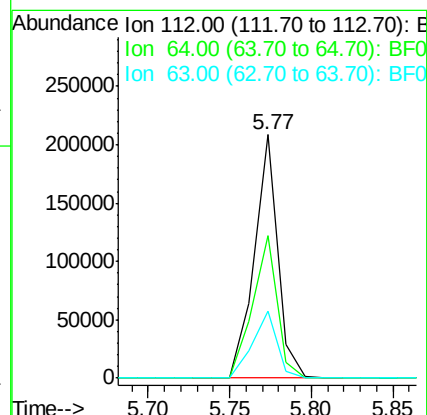
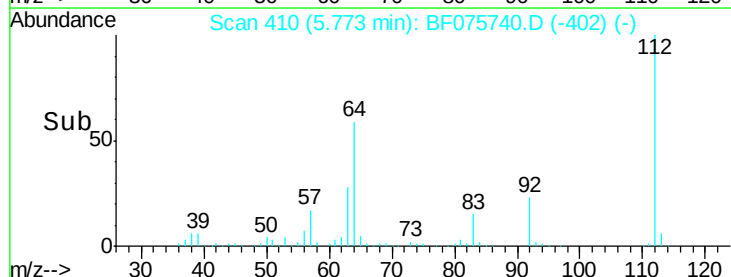
63 27.6 22.7 34.1

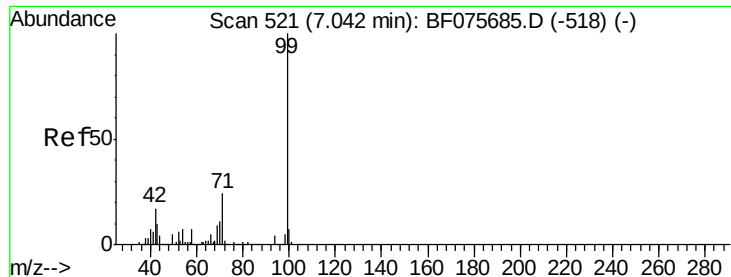


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.05 ng

RT: 7.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF075740.D

Acq: 21 Nov 2014 7:31

Instrument :

BNA_F

ClientSampleId :

MW-06-11-14-14

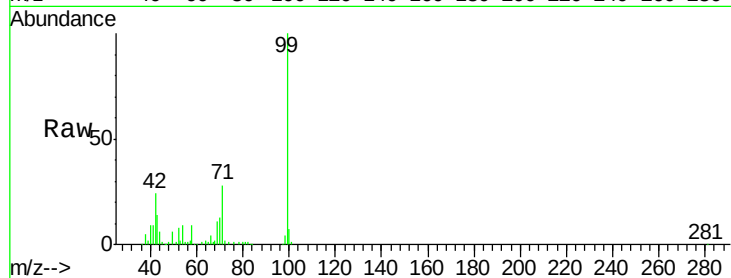
Tgt Ion: 99 Resp: 155321

Ion Ratio Lower Upper

99 100

42 23.7 19.8 29.6

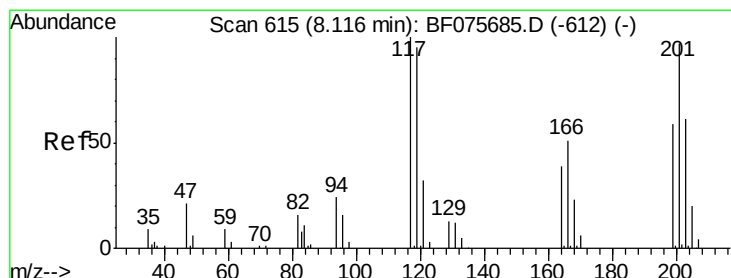
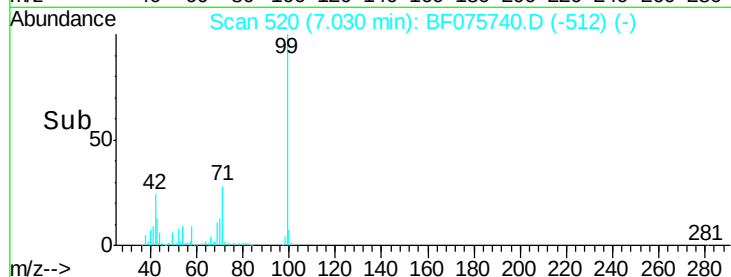
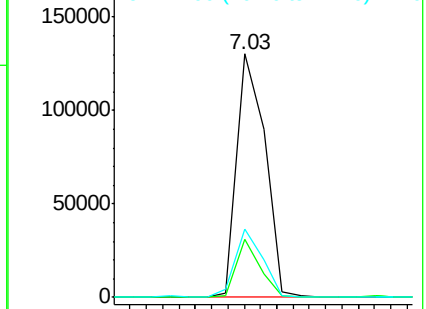
71 28.2 25.5 38.3



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



#18

Hexachloroethane

Concen: 8.57 ng

RT: 8.14 min Scan# 617

Delta R.T. 0.02 min

Lab File: BF075740.D

Acq: 21 Nov 2014 7:31

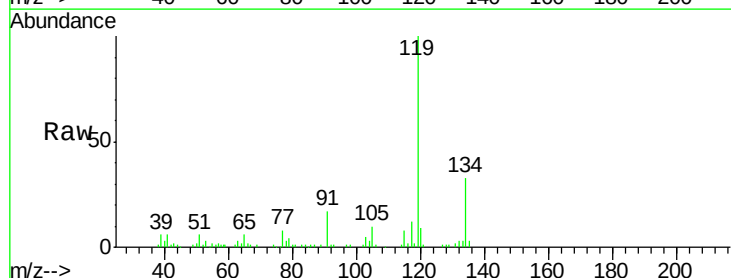
Tgt Ion: 117 Resp: 14811

Ion Ratio Lower Upper

117 100

119 801.7 72.9 109.3#

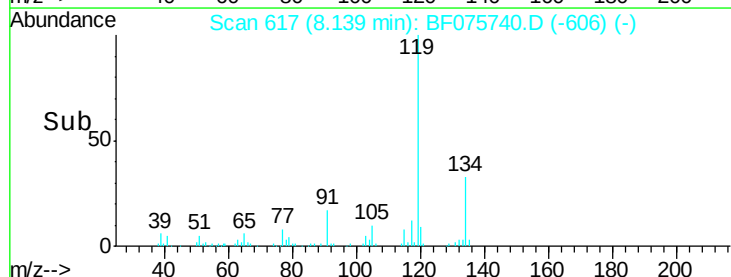
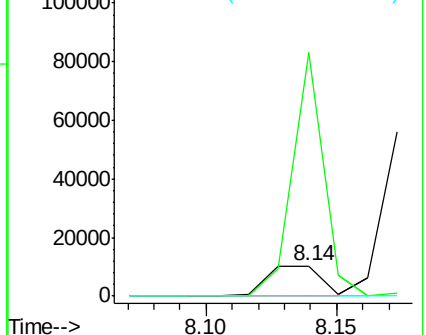
201 0.0 48.2 72.4#

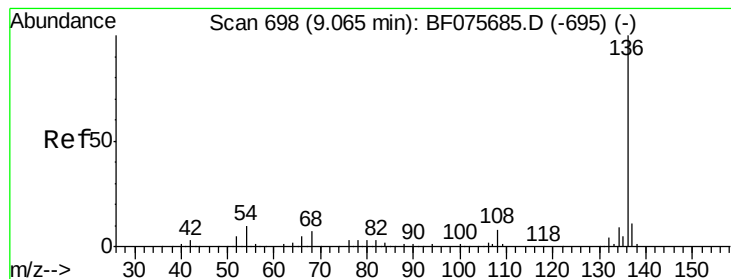


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

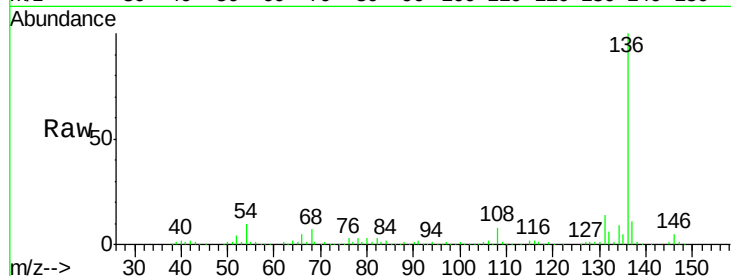




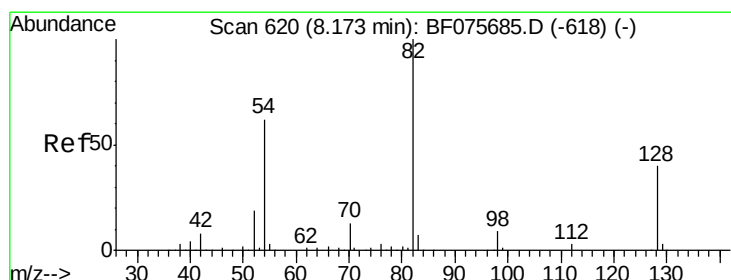
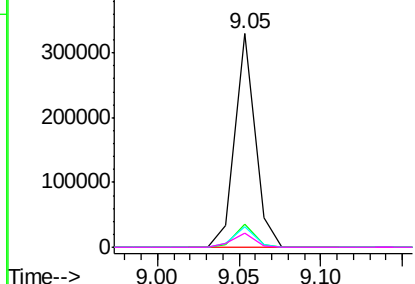
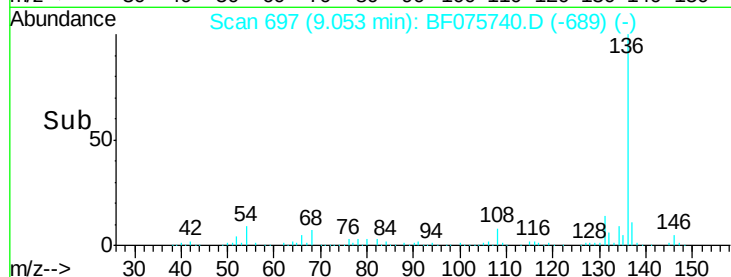
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.05 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF075740.D
Acq: 21 Nov 2014 7:31

Instrument :
BNA_F
ClientSampleId :
MW-06-11-14-14

Tgt Ion:	136	Resp:	281598
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	9.5	6.2	9.4#
68	6.7	3.4	5.2#

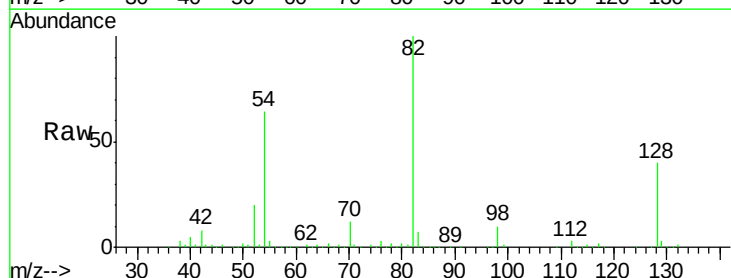


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

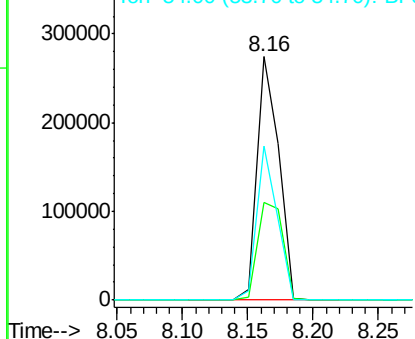
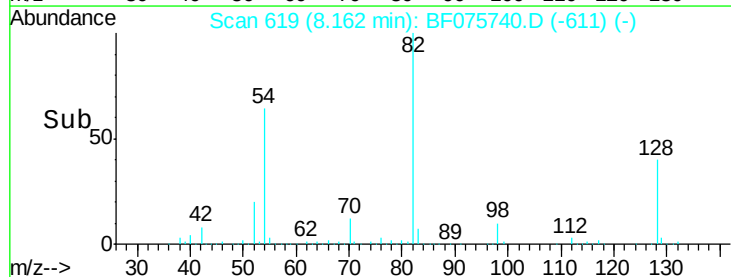


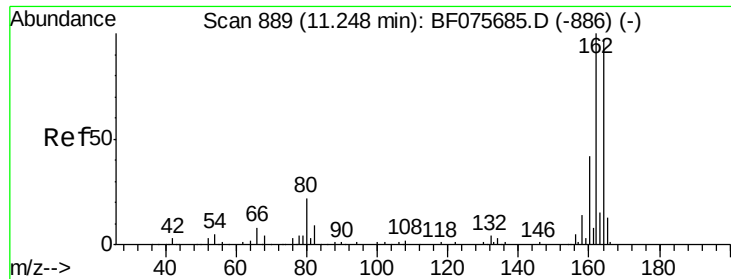
#23
Nitrobenzene-d5
Concen: 69.72 ng
RT: 8.16 min Scan# 619
Delta R.T. -0.01 min
Lab File: BF075740.D
Acq: 21 Nov 2014 7:31

Tgt Ion:	82	Resp:	319842
Ion	Ratio	Lower	Upper
82	100		
128	40.0	37.8	56.6
54	63.5	49.8	74.8



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

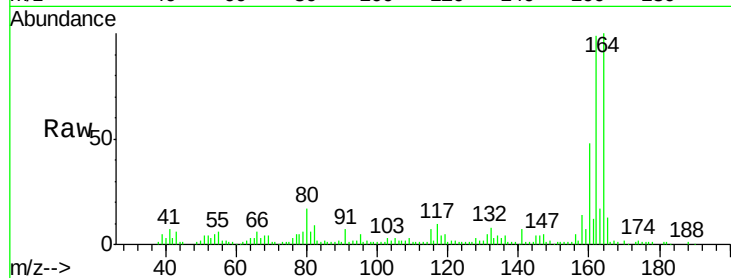




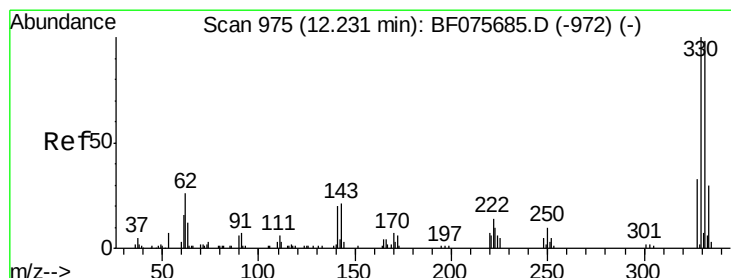
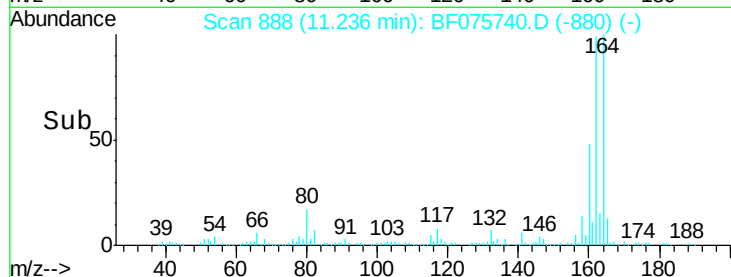
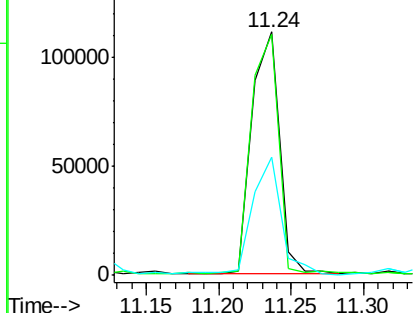
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF075740.D
Acq: 21 Nov 2014 7:31

Instrument :
BNA_F
ClientSampleId :
MW-06-11-14-14

Tgt Ion:164 Resp: 148129
Ion Ratio Lower Upper
164 100
162 98.9 79.1 118.7
160 48.3 34.6 51.8

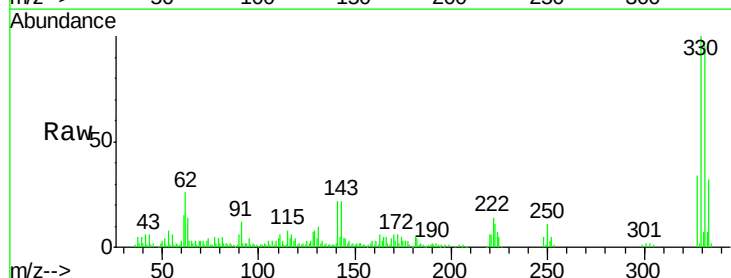


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

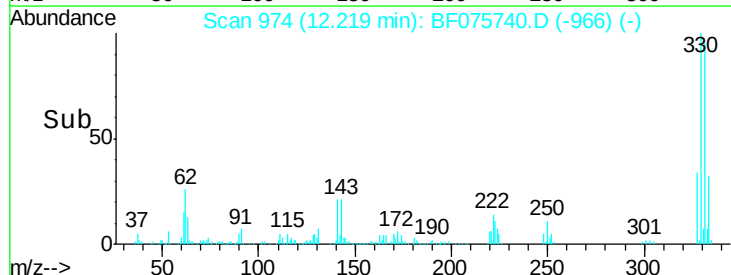
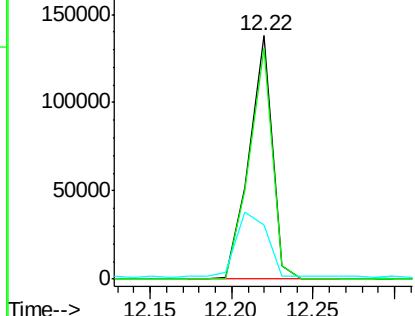


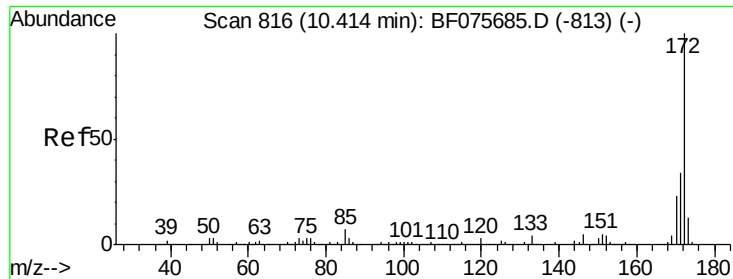
#41
2,4,6-Tribromophenol
Concen: 112.90 ng
RT: 12.22 min Scan# 974
Delta R.T. -0.01 min
Lab File: BF075740.D
Acq: 21 Nov 2014 7:31

Tgt Ion:330 Resp: 136345
Ion Ratio Lower Upper
330 100
332 95.1 74.5 111.7
141 35.9 30.7 46.1



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

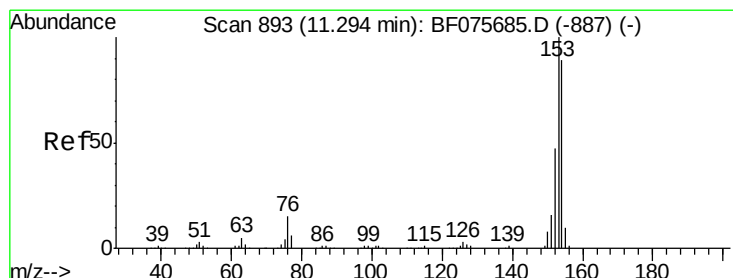
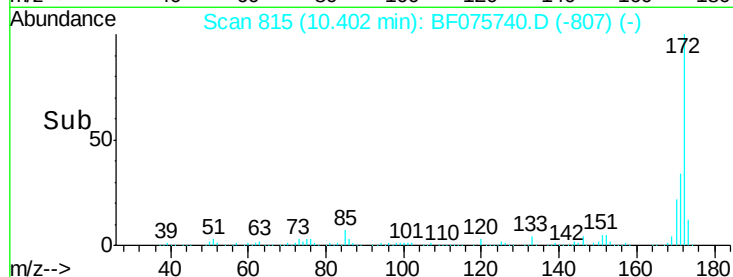
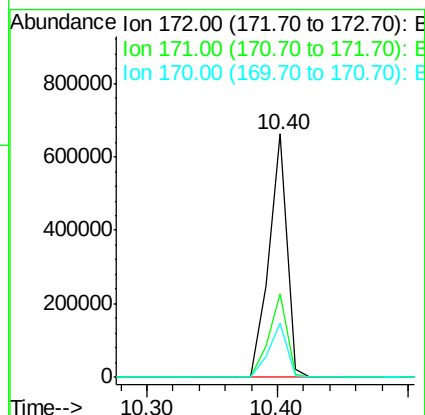
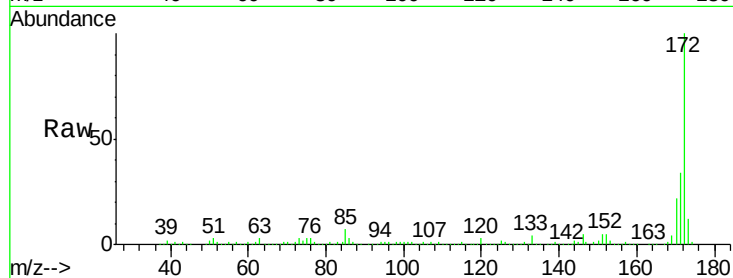




#44
2-Fluorobiphenyl
Concen: 67.88 ng
RT: 10.40 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF075740.D
Acq: 21 Nov 2014 7:31

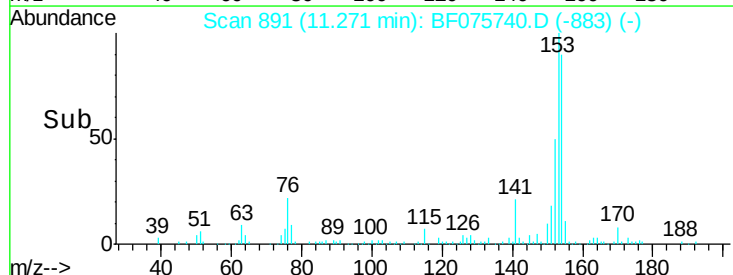
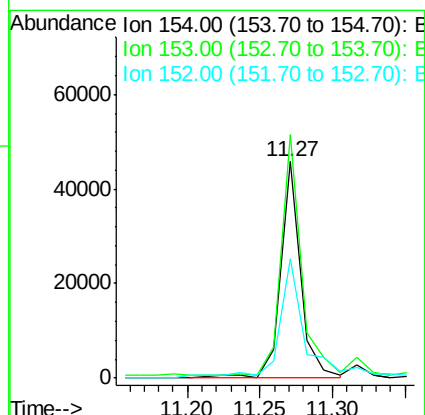
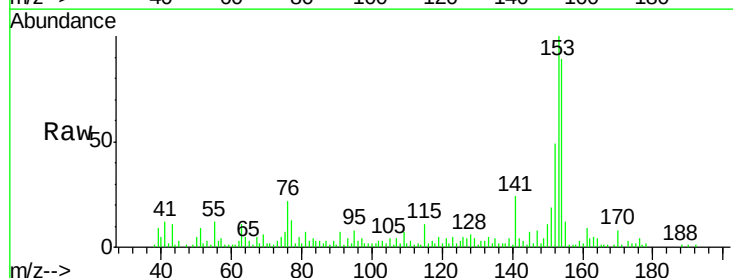
Instrument :
BNA_F
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MW-06-11-14-14

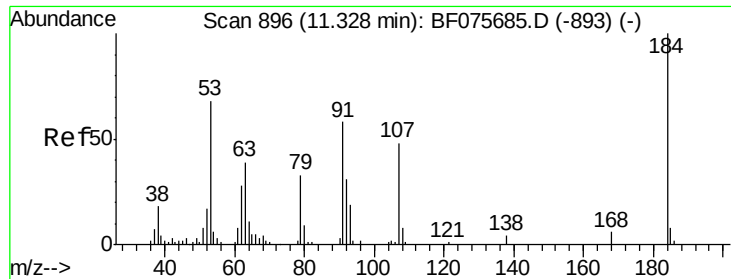
Tgt Ion:172 Resp: 642300
Ion Ratio Lower Upper
172 100
171 34.3 27.3 40.9
170 22.1 18.4 27.6



#51
Acenaphthene
Concen: 5.15 ng
RT: 11.27 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF075740.D
Acq: 21 Nov 2014 7:31

Tgt Ion:154 Resp: 43586
Ion Ratio Lower Upper
154 100
153 112.4 91.2 136.8
152 54.9 43.4 65.0

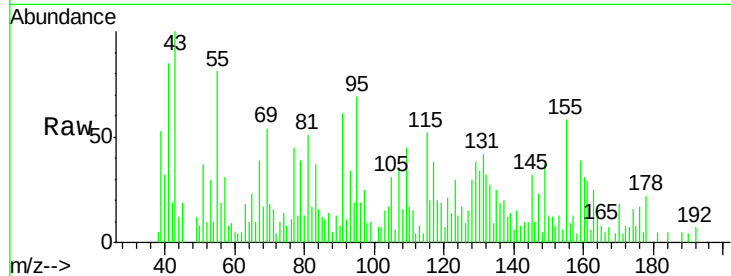




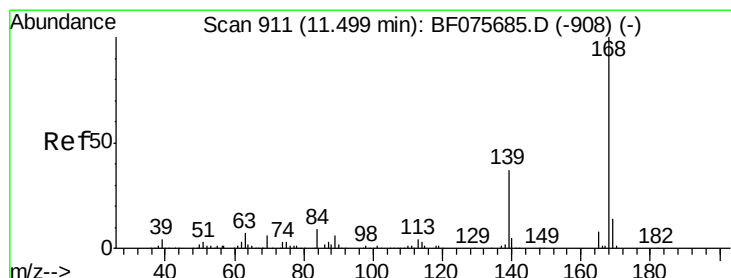
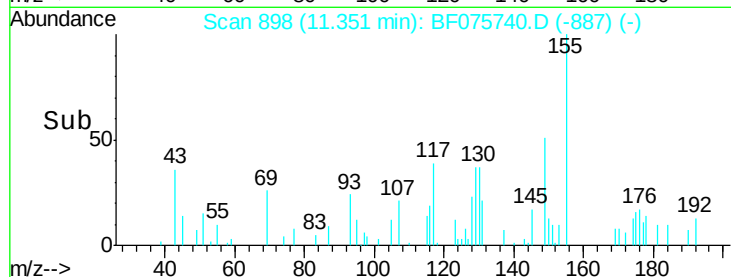
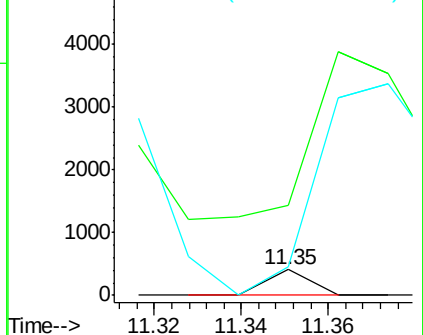
#53
2,4-Dinitrophenol
Concen: 7.53 ng
RT: 11.35 min Scan# 898
Delta R.T. 0.02 min
Lab File: BF075740.D
Acq: 21 Nov 2014 7:31

Instrument :
BNA_F
ClientSampleId :
MW-06-11-14-14

Tgt Ion:184 Resp: 282
Ion Ratio Lower Upper
184 100
63 348.3 96.3 144.5#
154 111.2 56.2 84.4#

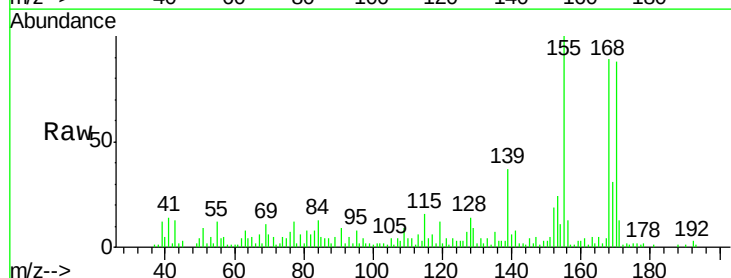


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

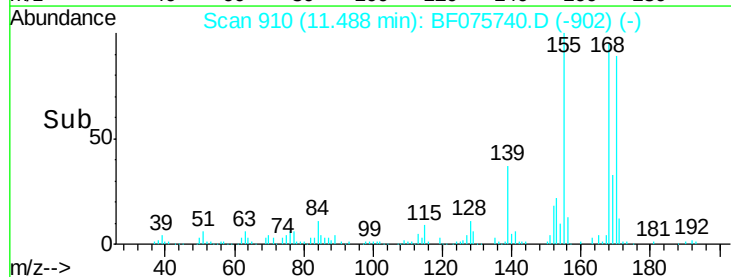
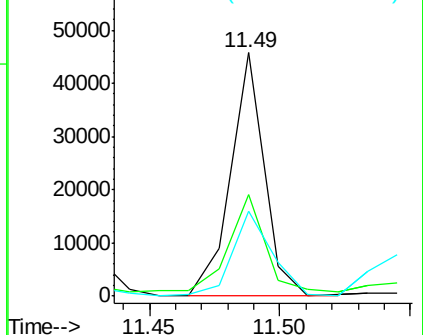


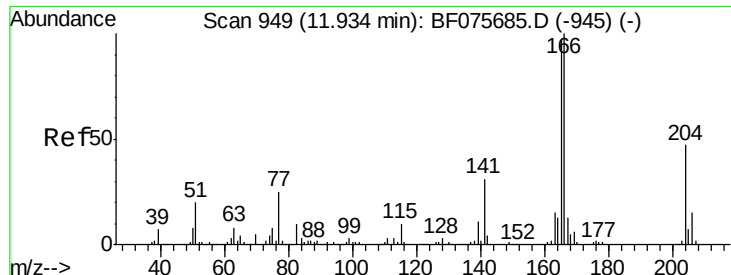
#54
Dibenzofuran
Concen: 3.36 ng
RT: 11.49 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF075740.D
Acq: 21 Nov 2014 7:31

Tgt Ion:168 Resp: 41589
Ion Ratio Lower Upper
168 100
139 41.6 33.0 49.4
169 34.6 10.8 16.2#



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

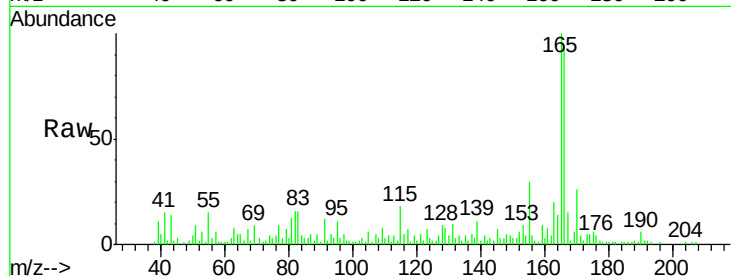




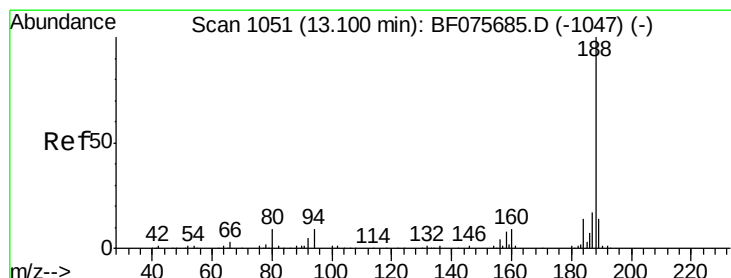
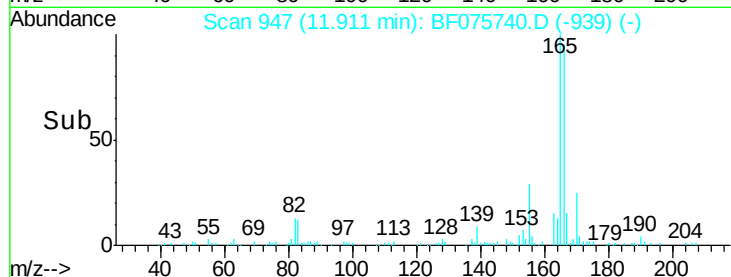
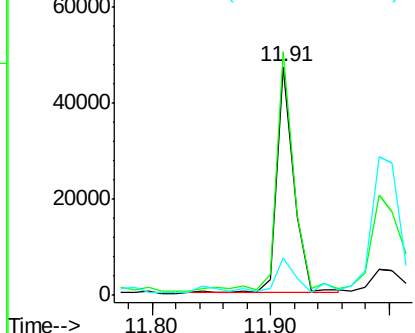
#57
 Fluorene
 Concen: 4.65 ng
 RT: 11.91 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF075740.D
 Acq: 21 Nov 2014 7:31

Instrument :
 BNA_F
 ClientSampleId :
 MW-06-11-14-14

Tgt Ion:166 Resp: 46446
 Ion Ratio Lower Upper
 166 100
 165 106.4 78.8 118.2
 167 16.4 10.6 15.8#

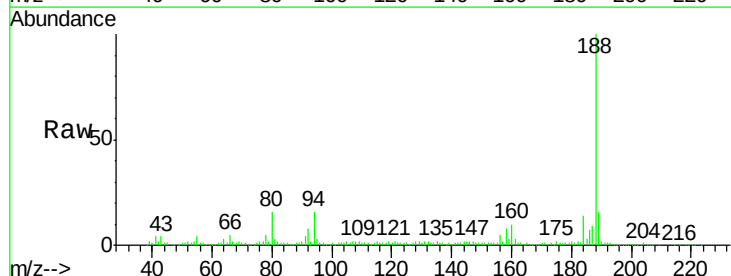


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

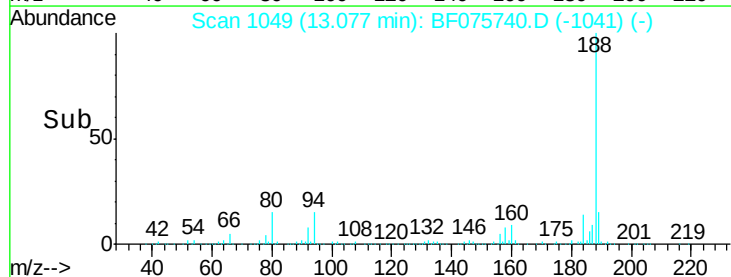
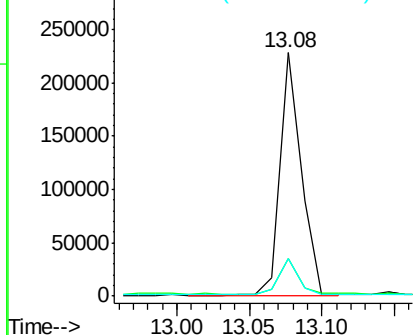


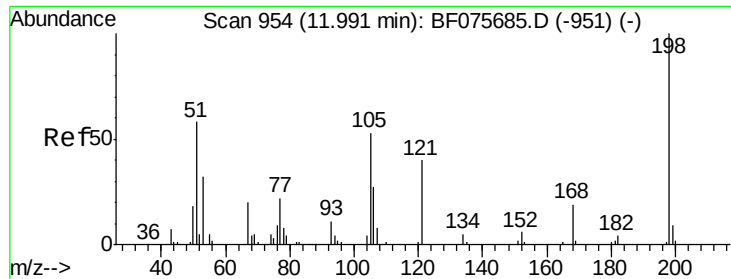
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.08 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF075740.D
 Acq: 21 Nov 2014 7:31

Tgt Ion:188 Resp: 230072
 Ion Ratio Lower Upper
 188 100
 94 15.7 7.8 11.6#
 80 15.6 8.0 12.0#



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

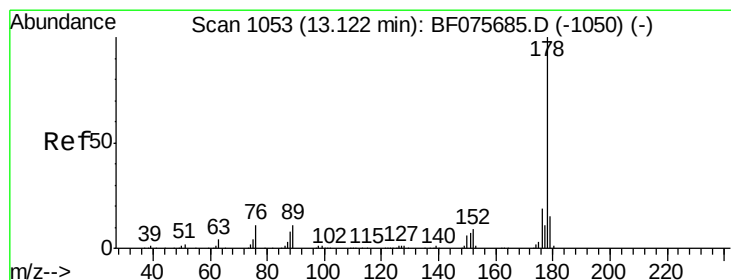
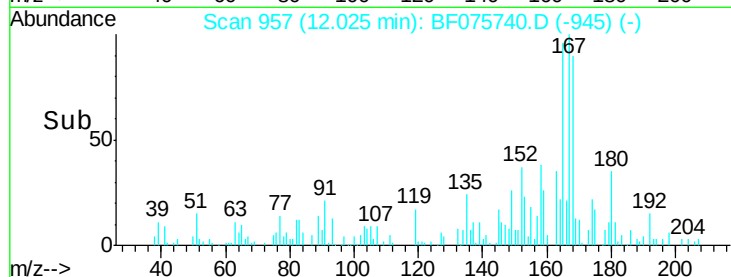
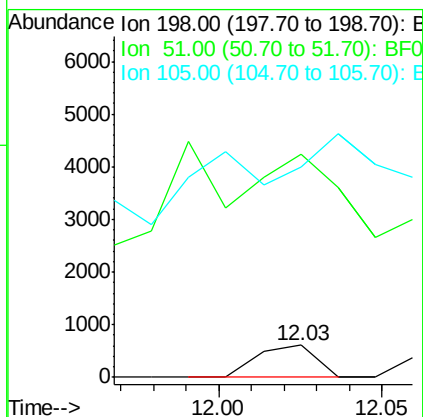
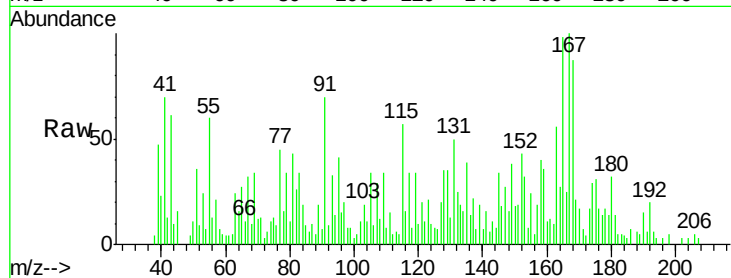




#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.01 ng
 RT: 12.03 min Scan# 957
 Delta R.T. 0.04 min
 Lab File: BF075740.D
 Acq: 21 Nov 2014 7:31

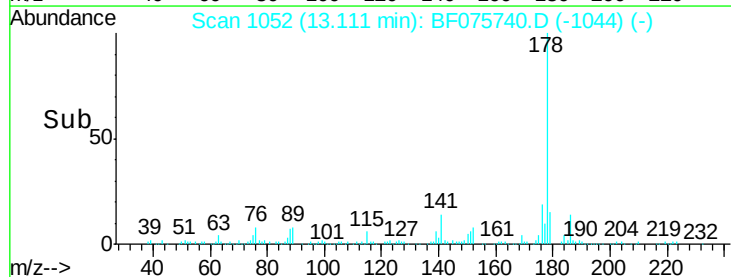
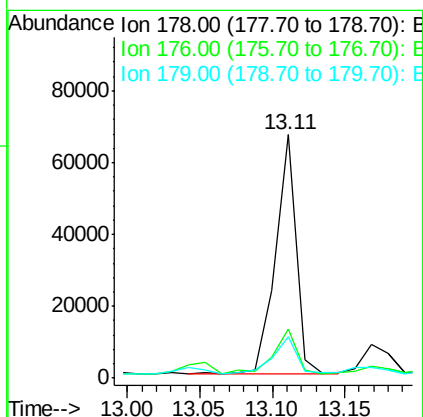
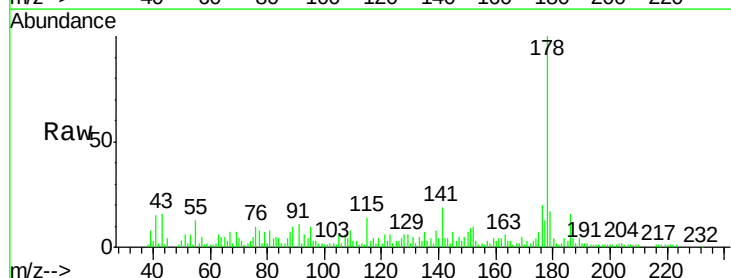
Instrument :
 BNA_F
 ClientSampleId :
 MW-06-11-14-14

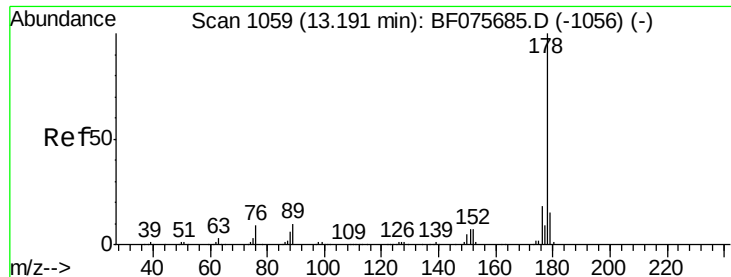
Tgt Ion:198 Resp: 767
 Ion Ratio Lower Upper
 198 100
 51 690.0 26.0 66.0#
 105 652.7 24.2 64.2#



#70
 Phenanthrene
 Concen: 4.67 ng
 RT: 13.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: BF075740.D
 Acq: 21 Nov 2014 7:31

Tgt Ion:178 Resp: 65450
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.3 22.9
 179 16.9 12.2 18.4

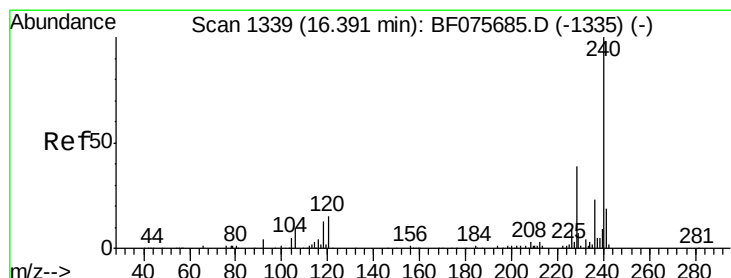
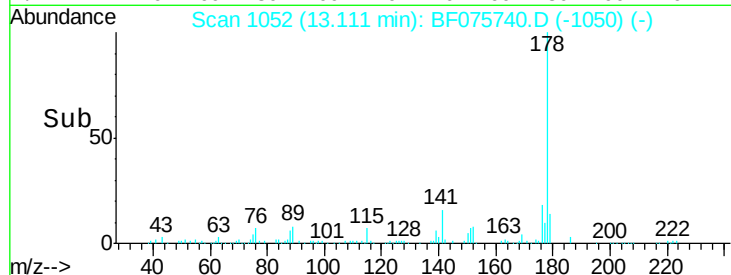
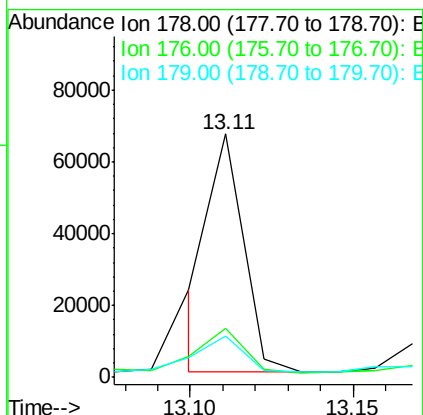
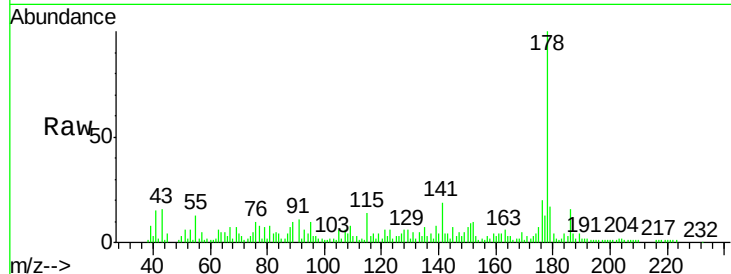




#71
 Anthracene
 Concen: 3.30 ng
 RT: 13.11 min Scan# 1052
 Delta R.T. -0.08 min
 Lab File: BF075740.D
 Acq: 21 Nov 2014 7:31

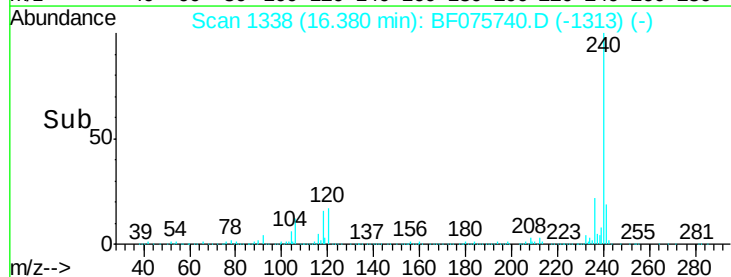
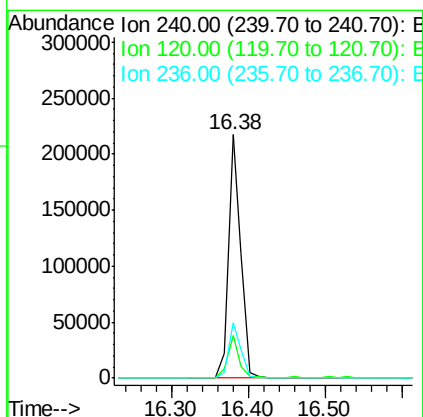
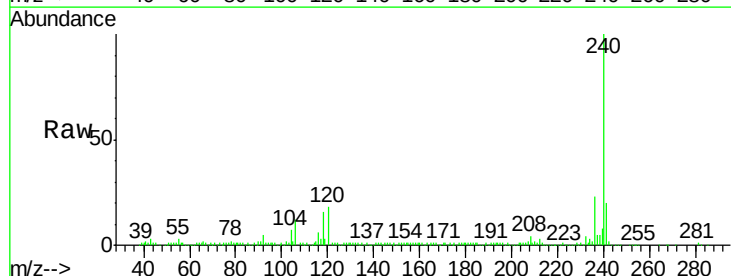
Instrument :
 BNA_F
 ClientSampleId :
 MW-06-11-14-14

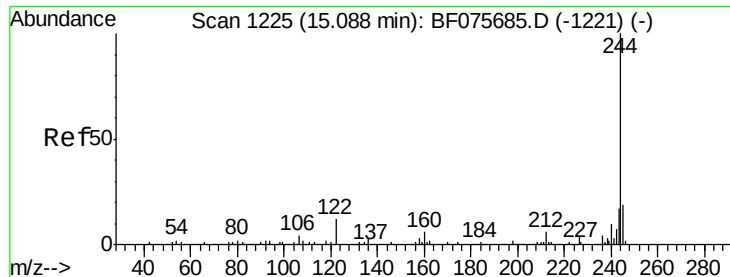
Tgt Ion:178 Resp: 47948
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.1 22.7
 179 16.9 12.2 18.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.38 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF075740.D
 Acq: 21 Nov 2014 7:31

Tgt Ion:240 Resp: 246218
 Ion Ratio Lower Upper
 240 100
 120 17.8 9.6 14.4#
 236 22.6 18.9 28.3





#78

Terphenyl-d14

Concen: 54.01 ng

RT: 15.08 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF075740.D

Acq: 21 Nov 2014 7:31

Instrument :

BNA_F

ClientSampleId :

MW-06-11-14-14

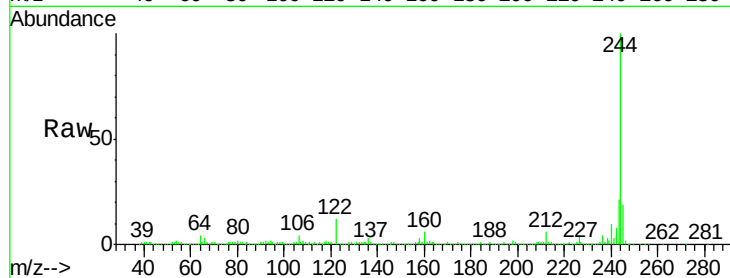
Tgt Ion:244 Resp: 531626

Ion Ratio Lower Upper

244 100

212 5.8 5.5 8.3

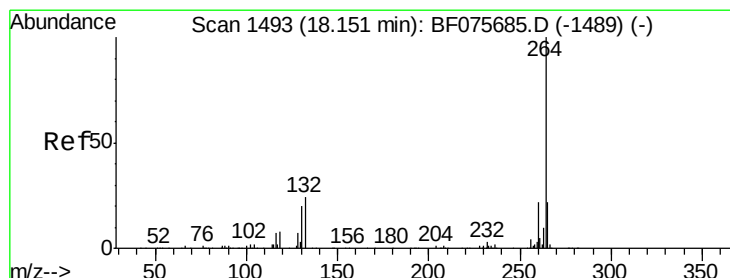
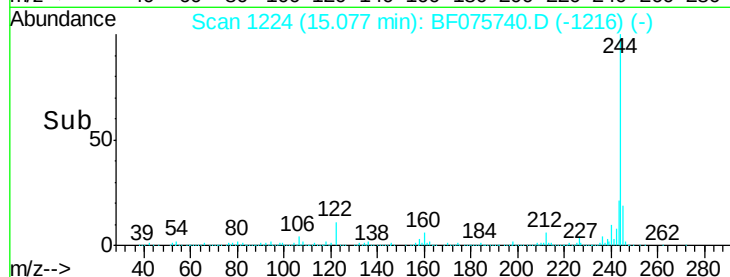
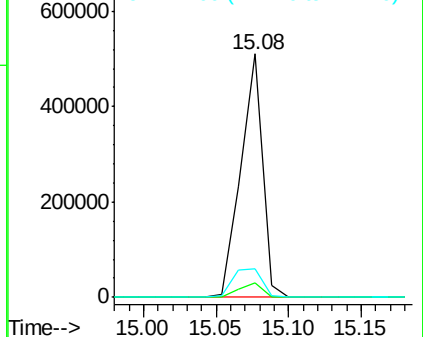
122 11.5 9.7 14.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.17 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BF075740.D

Acq: 21 Nov 2014 7:31

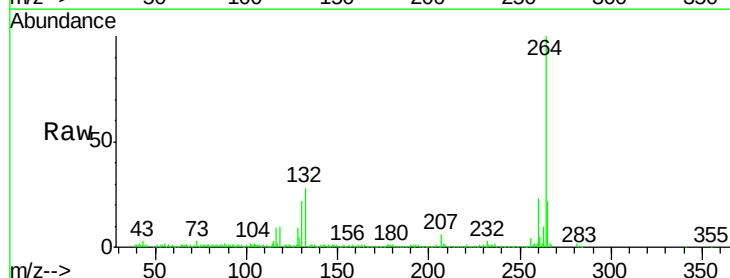
Tgt Ion:264 Resp: 243471

Ion Ratio Lower Upper

264 100

260 23.0 17.9 26.9

265 21.9 16.3 24.5



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

