

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112014\
 Data File : BF075736.D
 Acq On : 21 Nov 2014 5:36
 Operator : TP / JJ
 Sample : F4777-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-04-11-14-14

Quant Time: Nov 21 06:54:33 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

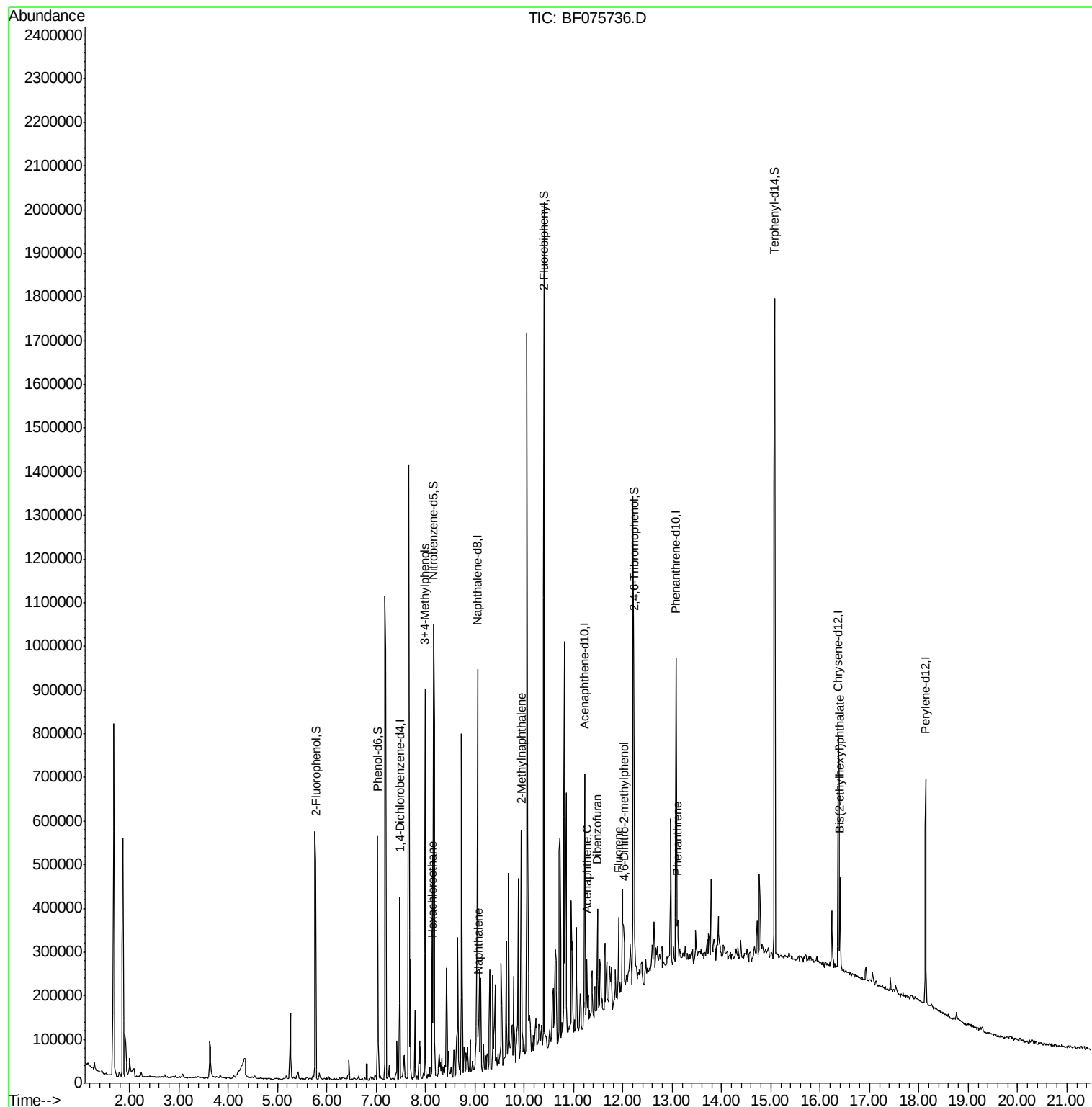
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	71660	20.00	ng	-0.01
21) Naphthalene-d8	9.05	136	305655	20.00	ng	-0.01
38) Acenaphthene-d10	11.22	164	160024	20.00	ng	-0.02
63) Phenanthrene-d10	13.08	188	259352	20.00	ng	-0.01
75) Chrysene-d12	16.37	240	270403	20.00	ng	-0.02
86) Perylene-d12	18.14	264	263387	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	234011	50.73	ng	-0.01
7) Phenol-d6	7.03	99	177011	31.56	ng	-0.01
23) Nitrobenzene-d5	8.16	82	358399	71.97	ng	-0.01
41) 2,4,6-Tribromophenol	12.22	330	157628	120.82	ng	-0.01
44) 2-Fluorobiphenyl	10.40	172	741006	72.49	ng	-0.01
78) Terphenyl-d14	15.08	244	655448	60.63	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	8.13	117	37345	19.26	ng	# 49
20) 3+4-Methylphenols	7.99	107	239063	42.34	ng	# 59
31) Naphthalene	9.08	128	35382	2.27	ng	# 80
37) 2-Methylnaphthalene	9.94	142	212246	20.43	ng	# 95
51) Acenaphthene	11.27	154	31458	3.44	ng	# 94
54) Dibenzofuran	11.49	168	26840	2.01	ng	# 82
57) Fluorene	11.91	166	42484	3.94	ng	# 98
64) 4,6-Dinitro-2-methylphenol	12.01	198	478	3.77	ng	# 1
70) Phenanthrene	13.11	178	39209	2.48	ng	# 92
76) Benzidine	14.77	184	1038	Below Cal		# 1
83) Bis(2-ethylhexyl)phthalate	16.40	149	66554	6.26	ng	# 99

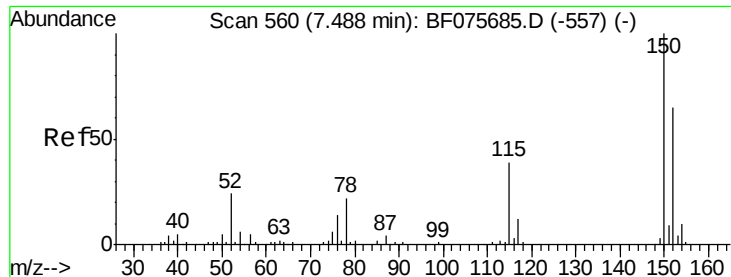
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF075736.D

Acq: 21 Nov 2014 5:36

Instrument :

BNA_F

ClientSampleId :

MW-04-11-14-14

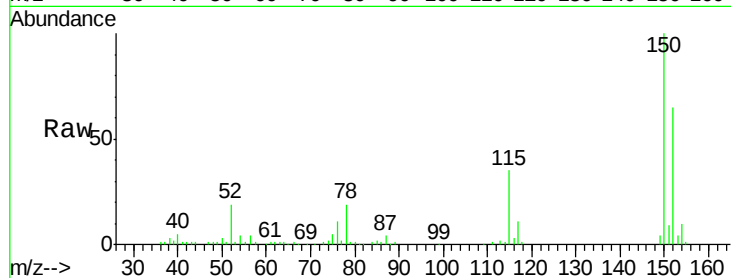
Tgt Ion:152 Resp: 71660

Ion Ratio Lower Upper

152 100

150 154.1 127.2 190.8

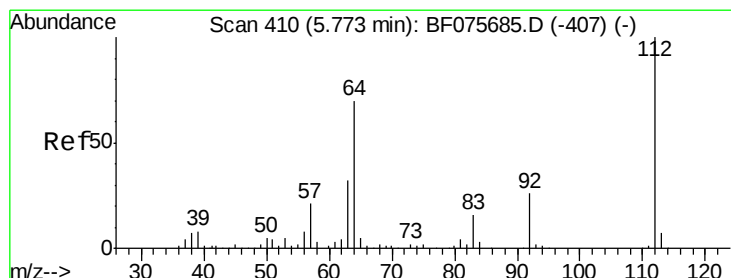
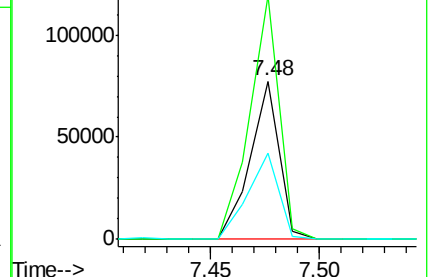
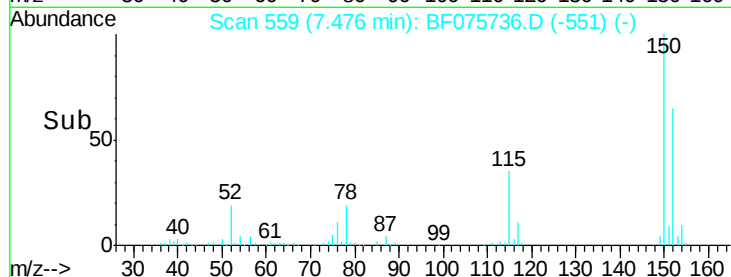
115 54.5 57.1 85.7#



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: 50.73 ng

RT: 5.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

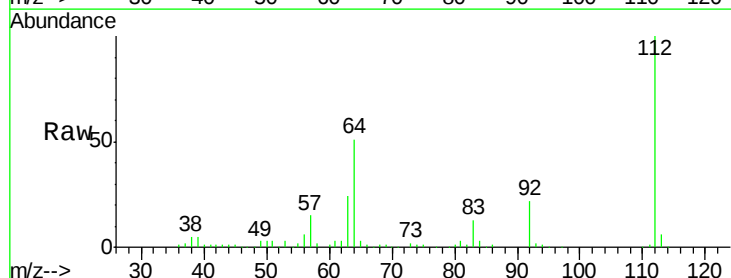
Tgt Ion:112 Resp: 234011

Ion Ratio Lower Upper

112 100

64 51.4 45.8 68.6

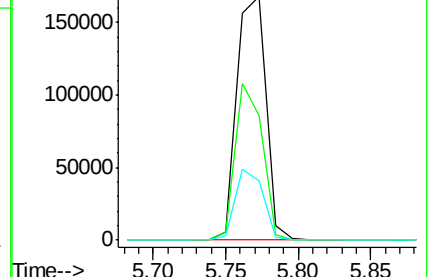
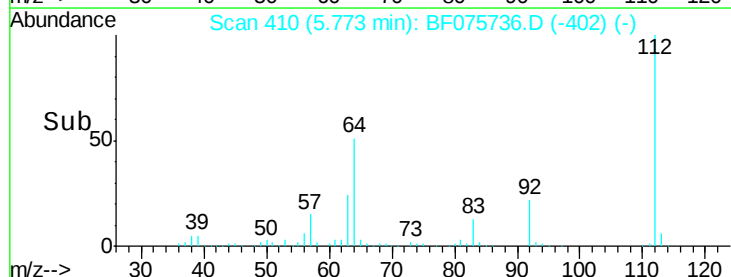
63 24.3 22.7 34.1

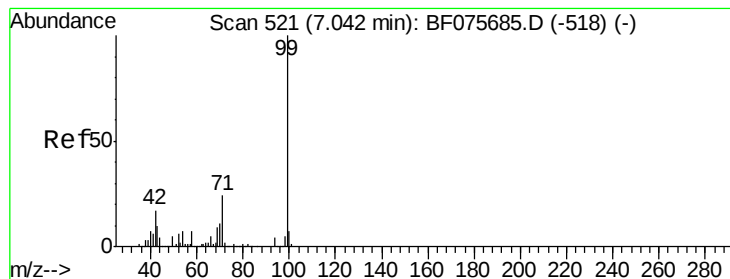


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.56 ng

RT: 7.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

Instrument :

BNA_F

ClientSampleId :

MW-04-11-14-14

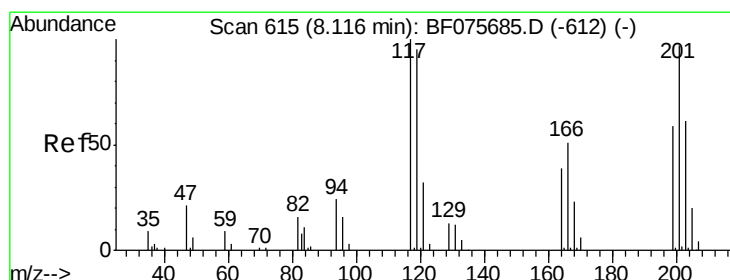
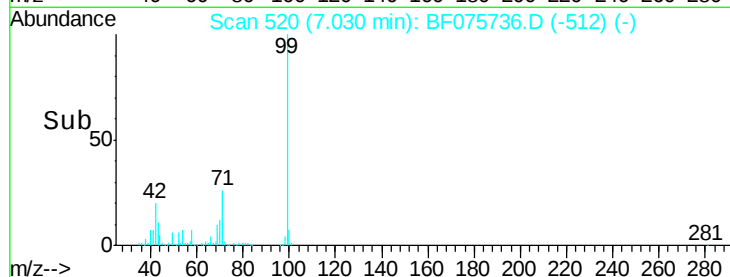
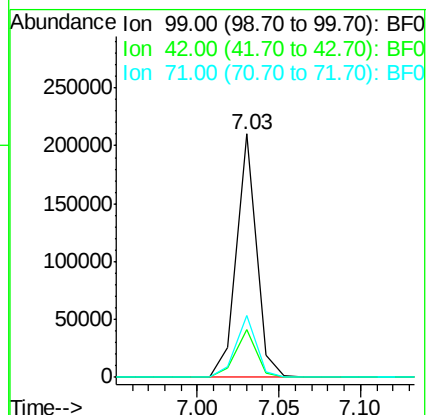
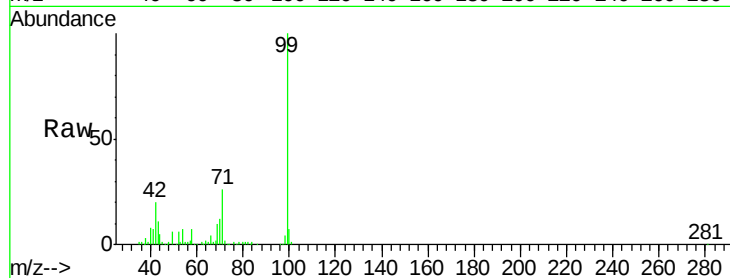
Tgt Ion: 99 Resp: 177011

Ion Ratio Lower Upper

99 100

42 19.7 19.8 29.6#

71 25.6 25.5 38.3



#18

Hexachloroethane

Concen: 19.26 ng

RT: 8.13 min Scan# 616

Delta R.T. 0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

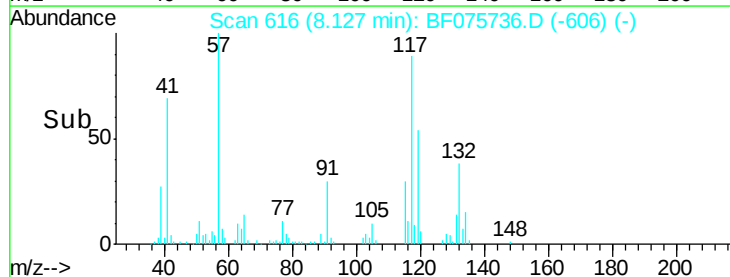
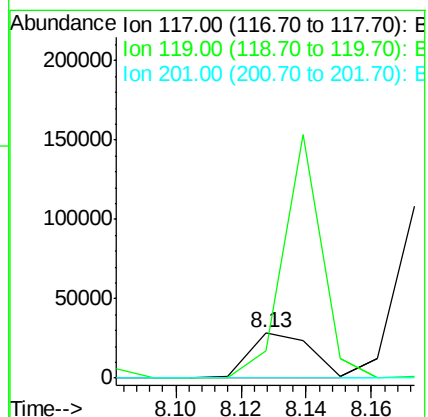
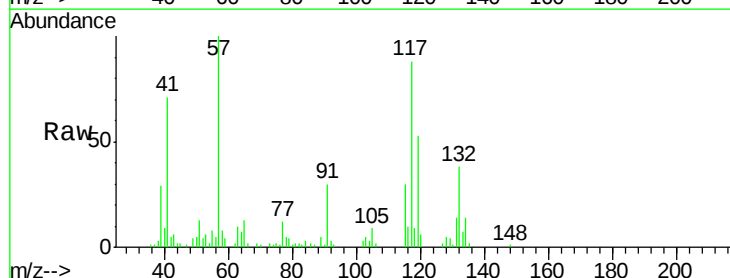
Tgt Ion: 117 Resp: 37345

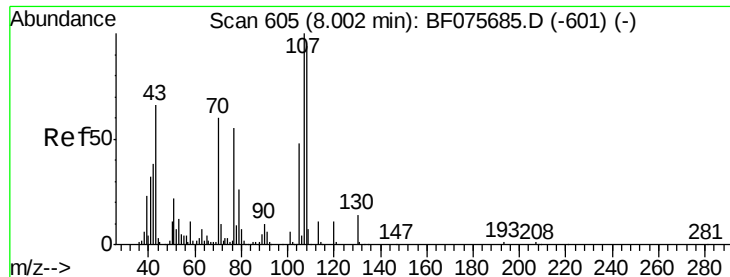
Ion Ratio Lower Upper

117 100

119 61.0 72.9 109.3#

201 0.0 48.2 72.4#





#20

3+4-Methylphenols

Concen: 42.34 ng

RT: 7.99 min Scan# 604

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

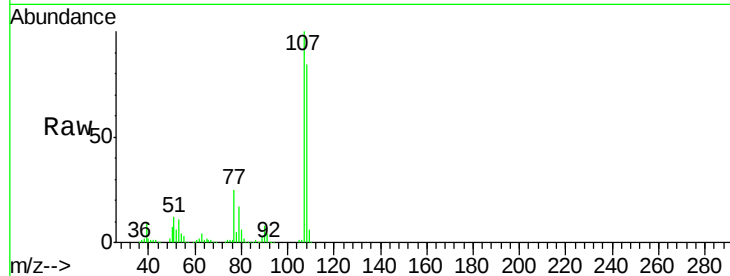
Instrument :

BNA_F

ClientSampleId :

MW-04-11-14-14

Tgt Ion:	107	Resp:	239063
Ion	Ratio	Lower	Upper
107	100		
108	83.6	69.6	109.6
77	25.2	84.4	124.4#
79	16.9	5.5	45.5

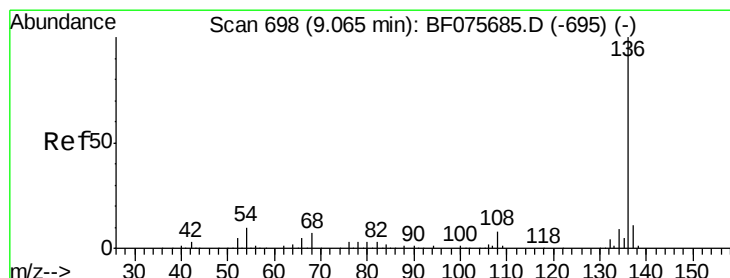
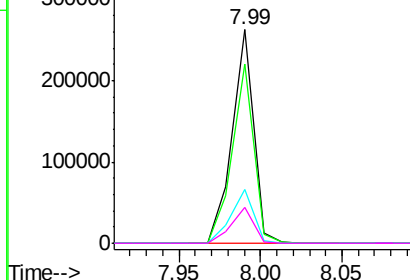
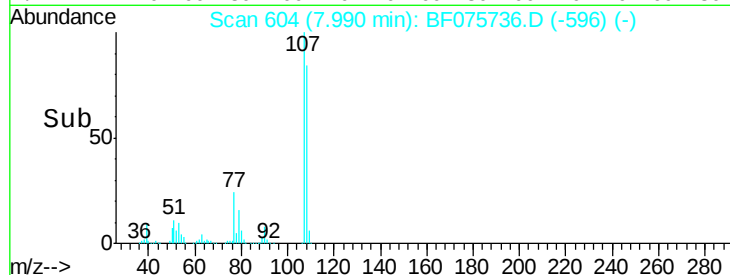


Abundance Ion 107.00 (106.70 to 107.70): E

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

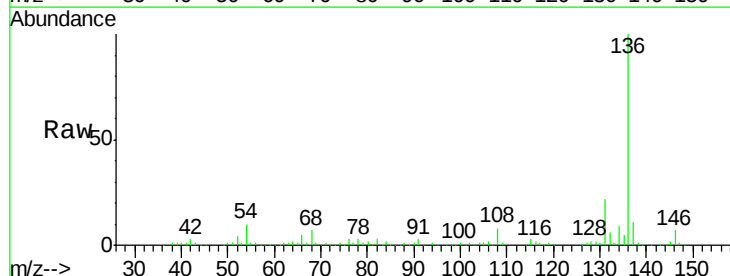
RT: 9.05 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

Tgt Ion:	136	Resp:	305655
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	9.6	6.2	9.4#
68	7.0	3.4	5.2#

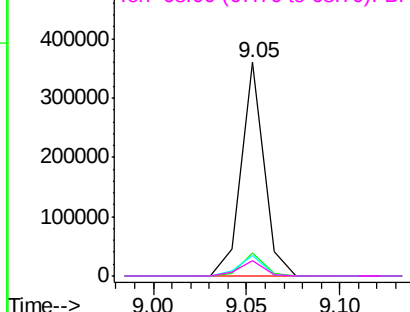
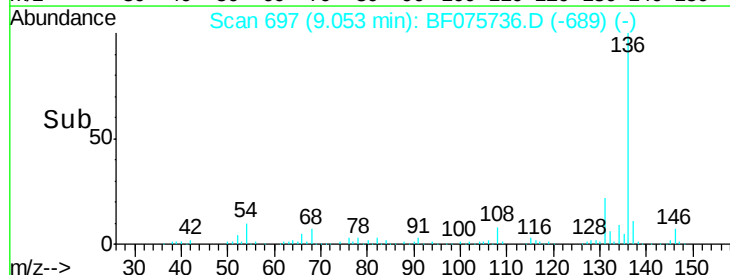


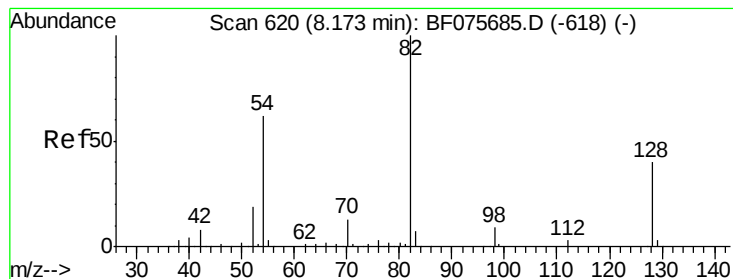
Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.97 ng

RT: 8.16 min Scan# 619

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

Instrument :

BNA_F

ClientSampleId :

MW-04-11-14-14

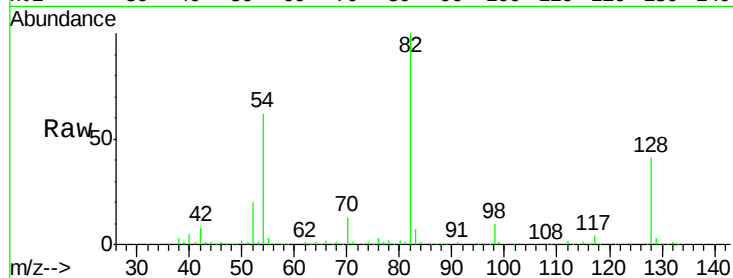
Tgt Ion: 82 Resp: 358399

Ion Ratio Lower Upper

82 100

128 41.1 37.8 56.6

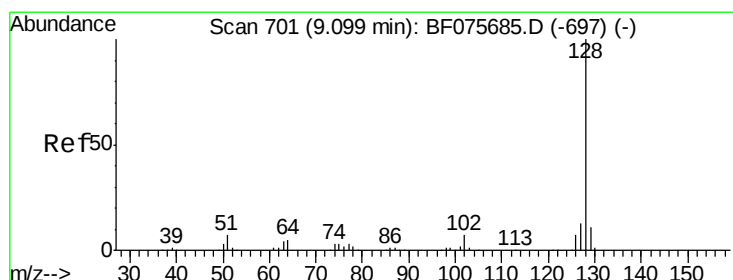
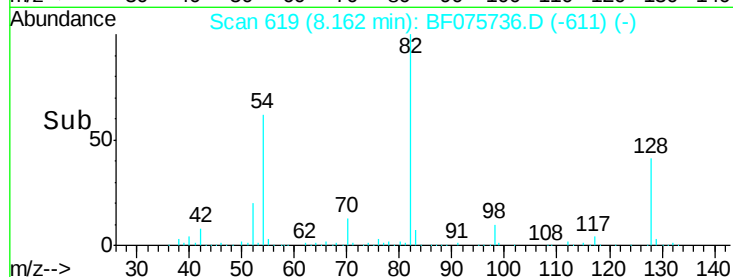
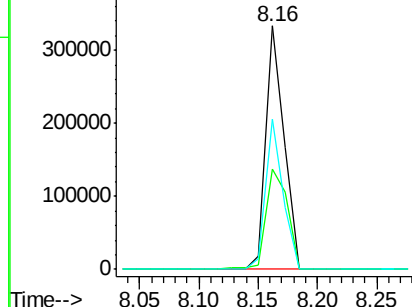
54 61.8 49.8 74.8



Abundance Ion 82.00 (81.70 to 82.70): BF075685.D (-618) (-)

Ion 128.00 (127.70 to 128.70): BF075685.D (-618) (-)

Ion 54.00 (53.70 to 54.70): BF075685.D (-618) (-)



#31

Naphthalene

Concen: 2.27 ng

RT: 9.08 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

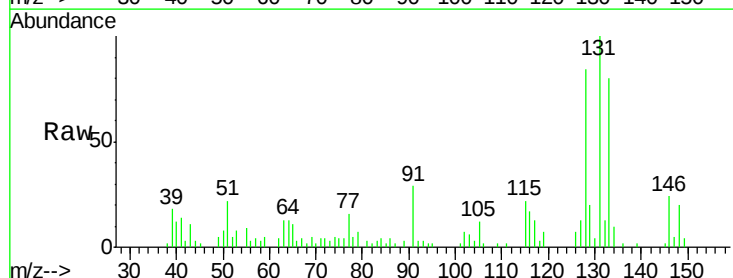
Tgt Ion: 128 Resp: 35382

Ion Ratio Lower Upper

128 100

129 24.0 9.0 13.4#

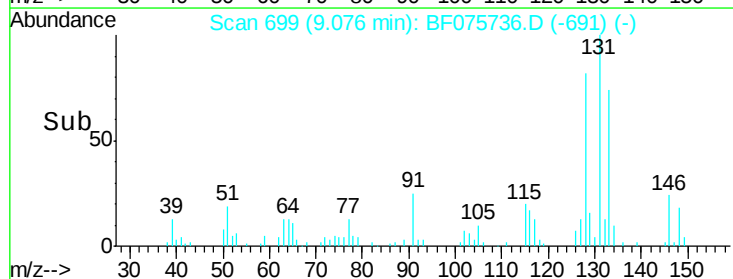
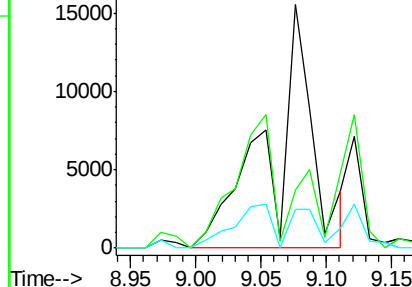
127 16.0 10.2 15.4#

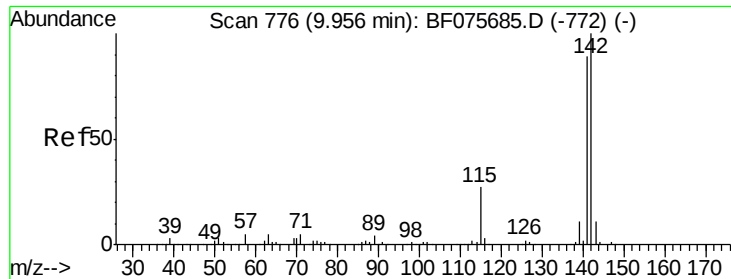


Abundance Ion 128.00 (127.70 to 128.70): BF075685.D (-697) (-)

Ion 129.00 (128.70 to 129.70): BF075685.D (-697) (-)

Ion 127.00 (126.70 to 127.70): BF075685.D (-697) (-)

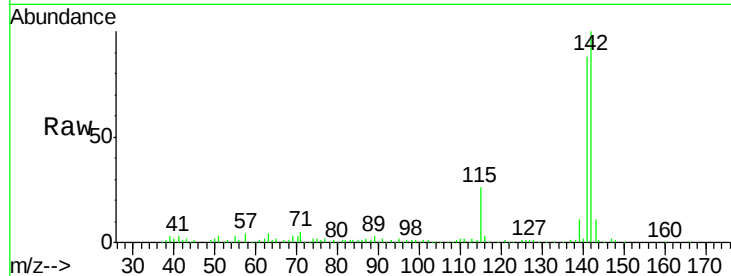




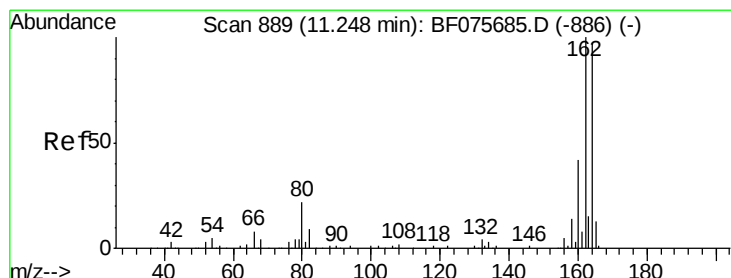
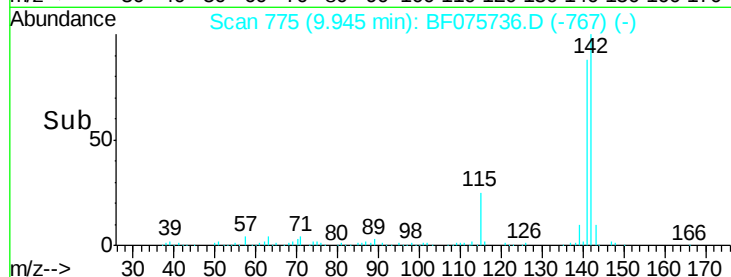
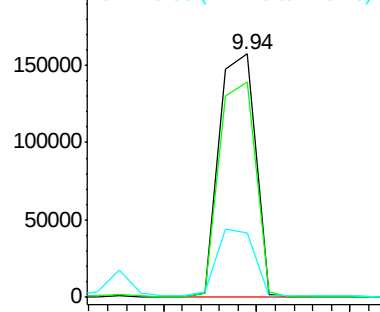
#37
2-Methylnaphthalene
Concen: 20.43 ng
RT: 9.94 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF075736.D
Acq: 21 Nov 2014 5:36

Instrument :
BNA_F
ClientSampleId :
MW-04-11-14-14

Tgt Ion:142 Resp: 212246
Ion Ratio Lower Upper
142 100
141 88.4 69.9 104.9
115 26.4 27.6 41.4#

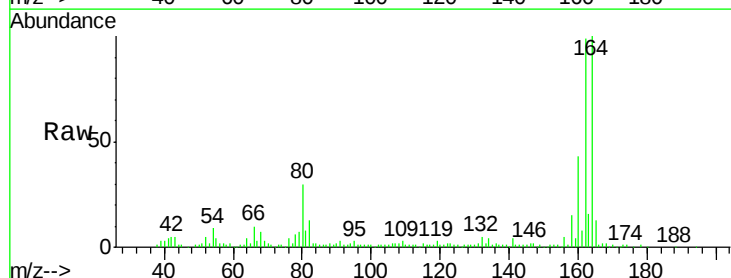


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

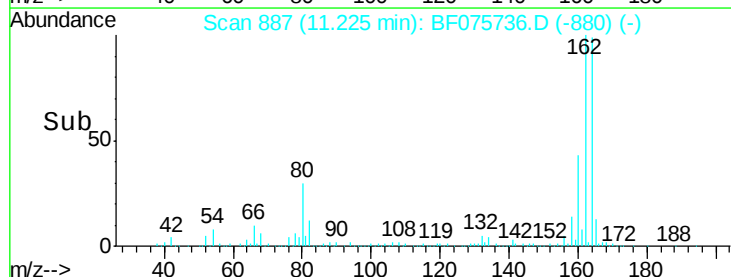
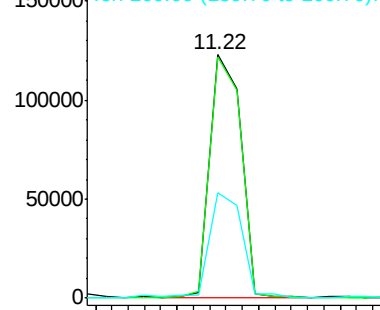


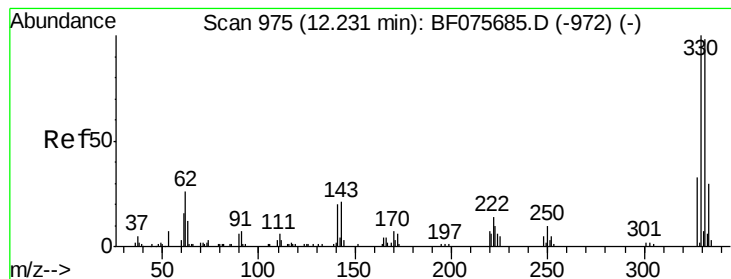
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF075736.D
Acq: 21 Nov 2014 5:36

Tgt Ion:164 Resp: 160024
Ion Ratio Lower Upper
164 100
162 99.2 79.1 118.7
160 43.3 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

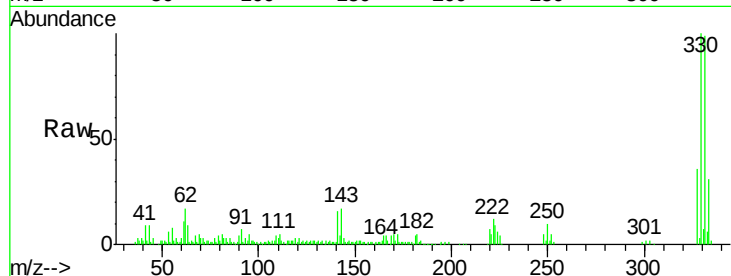




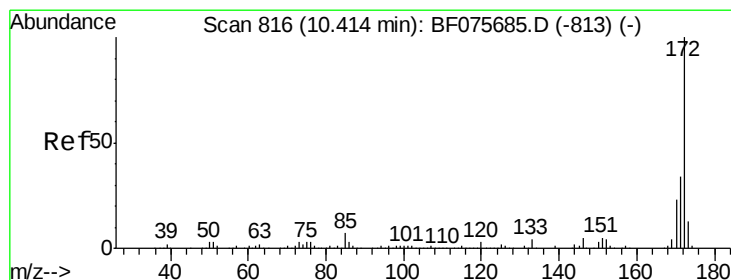
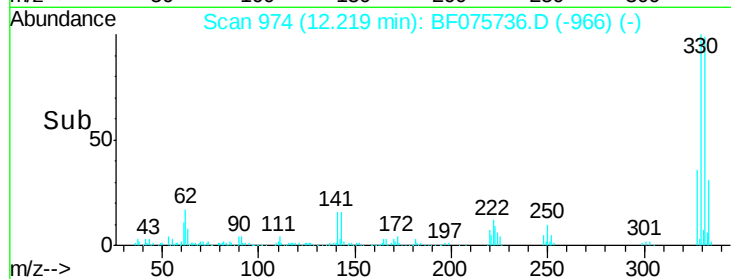
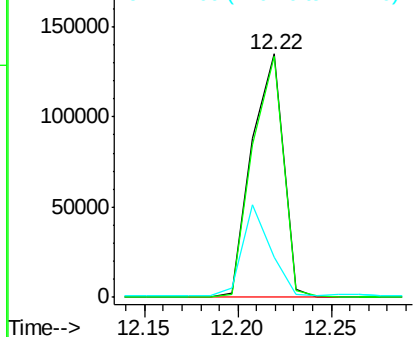
#41
 2,4,6-Tribromophenol
 Concen: 120.82 ng
 RT: 12.22 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: BF075736.D
 Acq: 21 Nov 2014 5:36

Instrument :
 BNA_F
 ClientSampleId :
 MW-04-11-14-14

Tgt Ion: 330 Resp: 157628
 Ion Ratio Lower Upper
 330 100
 332 97.9 74.5 111.7
 141 34.8 30.7 46.1

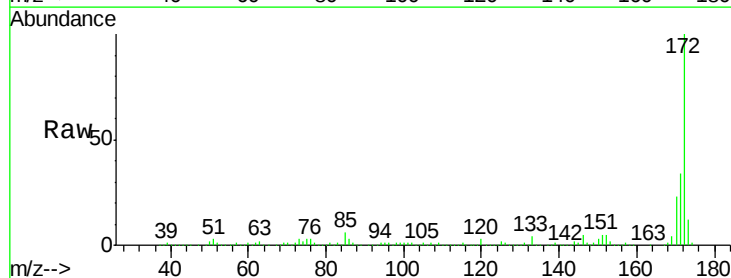


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

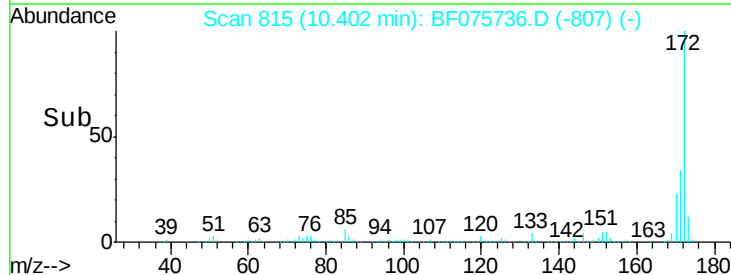
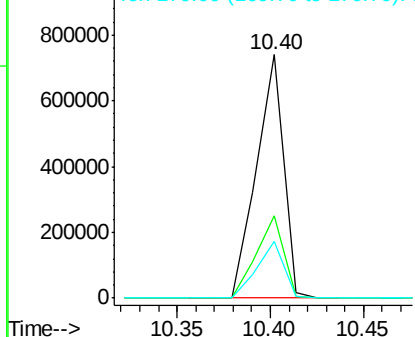


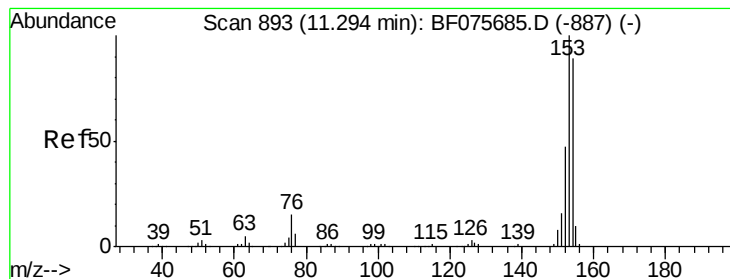
#44
 2-Fluorobiphenyl
 Concen: 72.49 ng
 RT: 10.40 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF075736.D
 Acq: 21 Nov 2014 5:36

Tgt Ion: 172 Resp: 741006
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.3 40.9
 170 23.3 18.4 27.6



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





#51

Acenaphthene

Concen: 3.44 ng

RT: 11.27 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

Instrument :

BNA_F

ClientSampleId :

MW-04-11-14-14

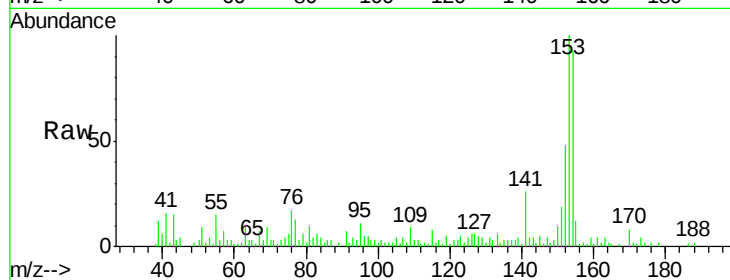
Tgt Ion:154 Resp: 31458

Ion Ratio Lower Upper

154 100

153 107.0 91.2 136.8

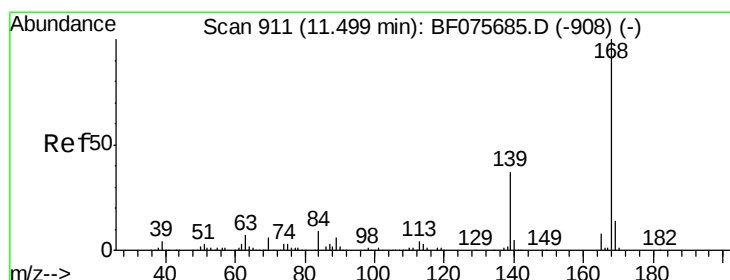
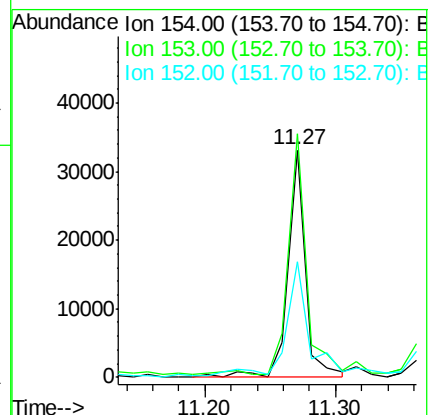
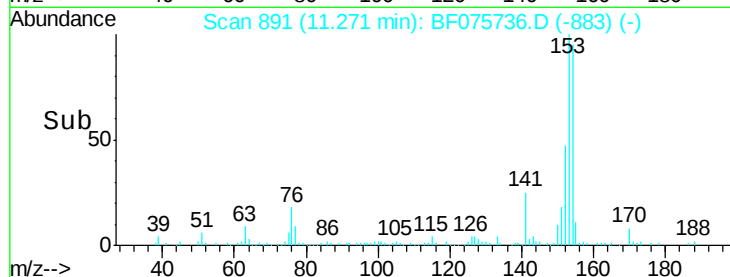
152 51.0 43.4 65.0



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



#54

Dibenzofuran

Concen: 2.01 ng

RT: 11.49 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

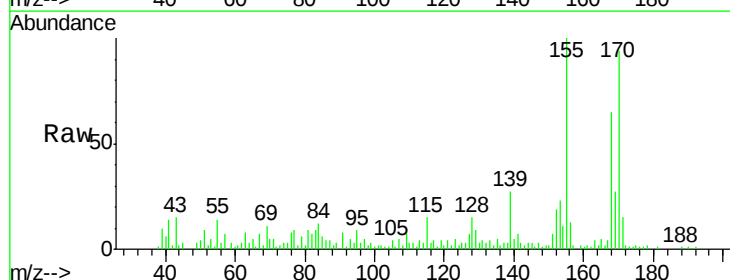
Tgt Ion:168 Resp: 26840

Ion Ratio Lower Upper

168 100

139 41.8 33.0 49.4

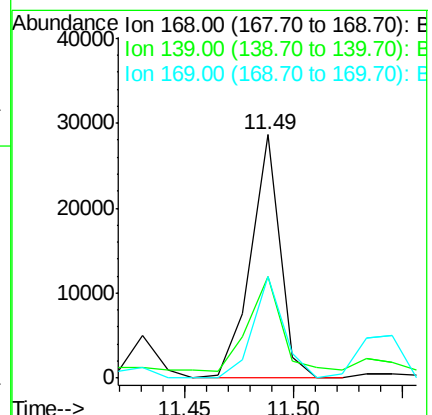
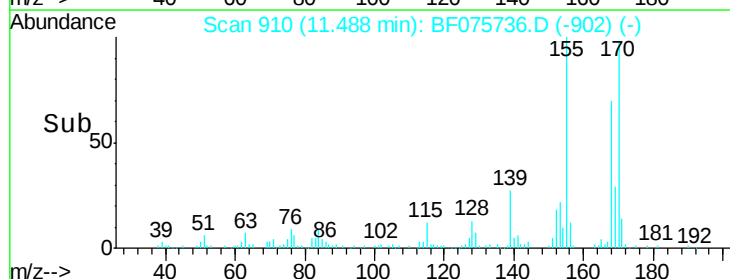
169 41.8 10.8 16.2#

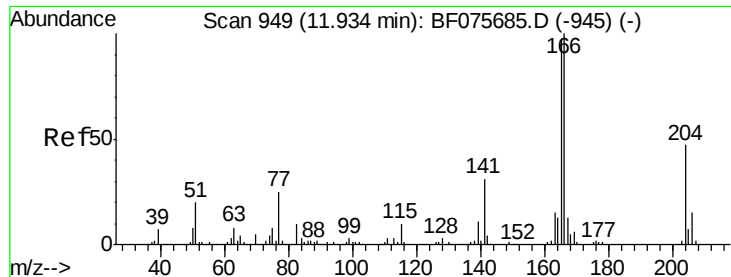


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

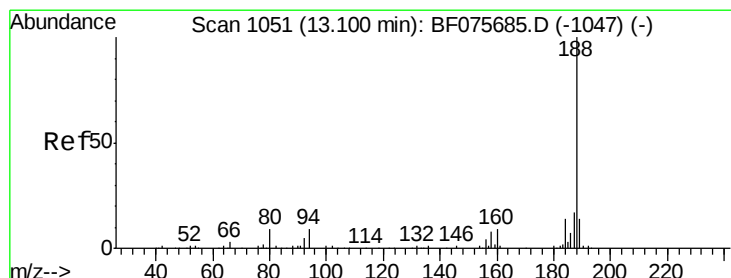
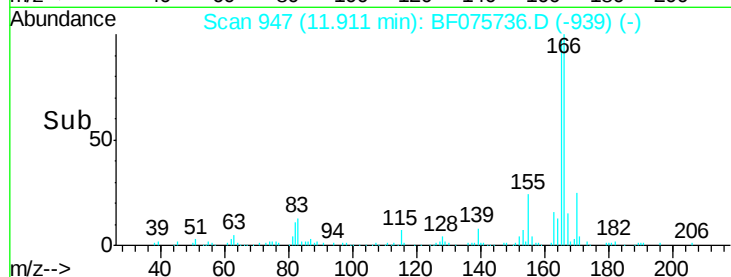
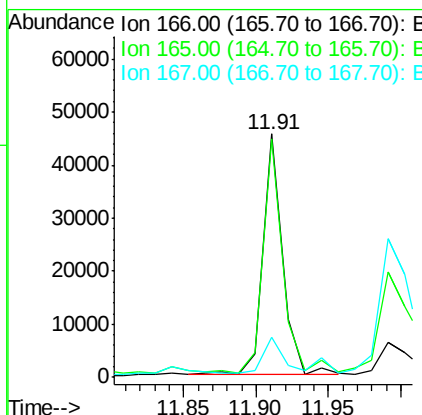
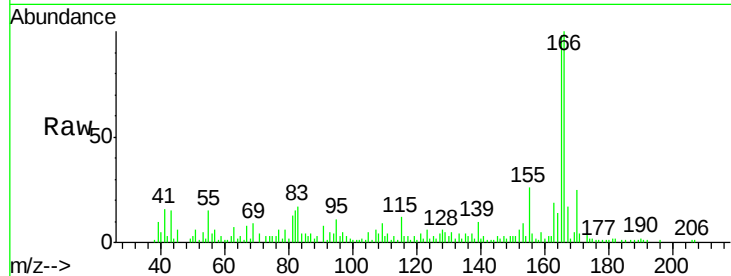




#57
Fluorene
 Concen: 3.94 ng
 RT: 11.91 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF075736.D
 Acq: 21 Nov 2014 5:36

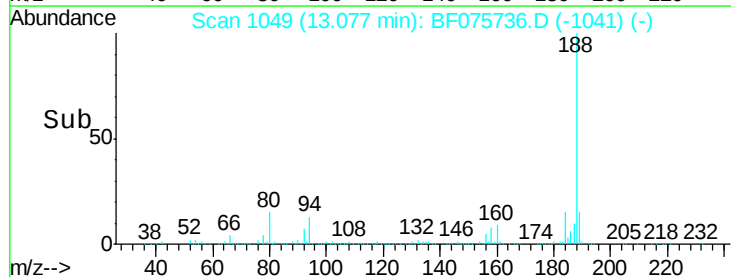
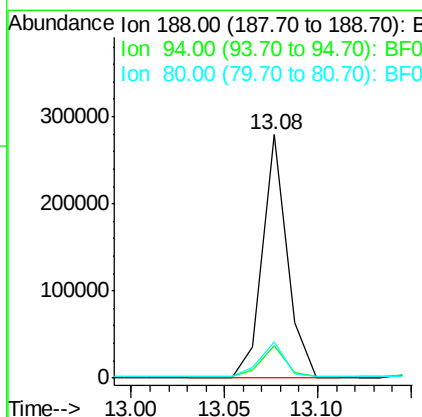
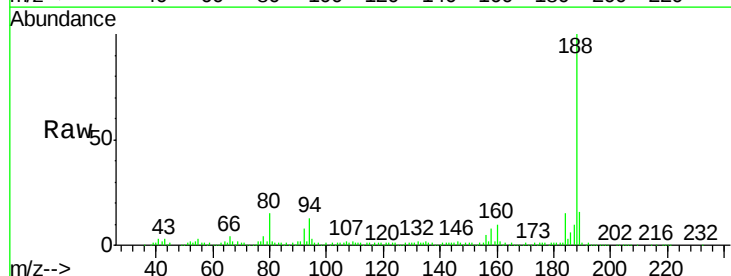
Instrument :
 BNA_F
 ClientSampleId :
 MW-04-11-14-14

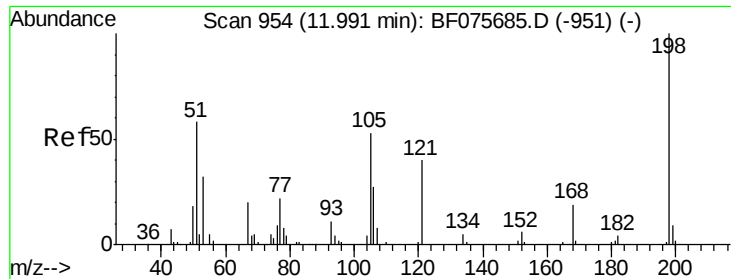
Tgt Ion:166 Resp: 42484
 Ion Ratio Lower Upper
 166 100
 165 97.8 78.8 118.2
 167 16.7 10.6 15.8#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.08 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF075736.D
 Acq: 21 Nov 2014 5:36

Tgt Ion:188 Resp: 259352
 Ion Ratio Lower Upper
 188 100
 94 13.4 7.8 11.6#
 80 15.0 8.0 12.0#

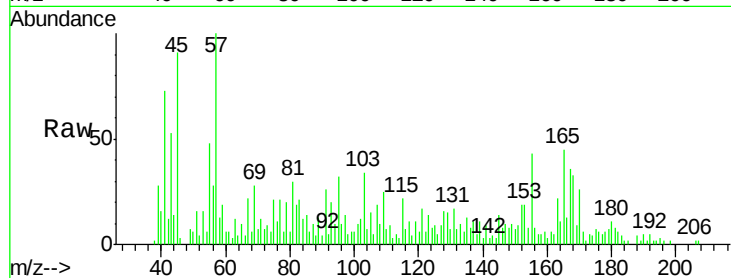




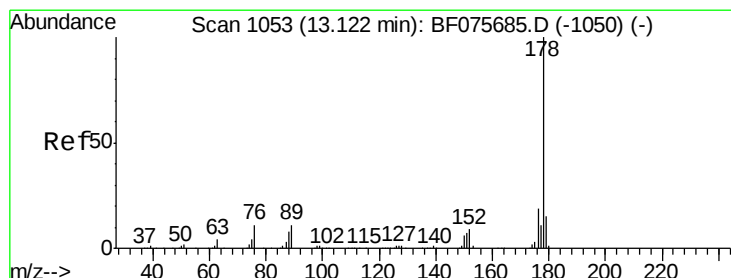
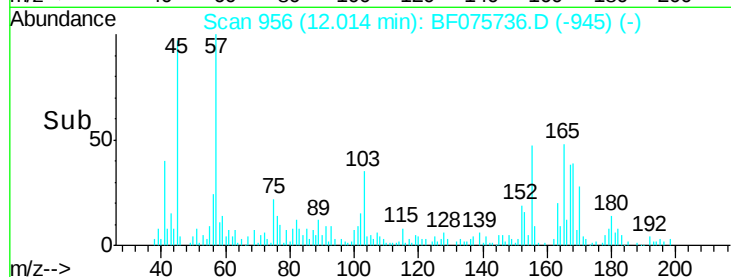
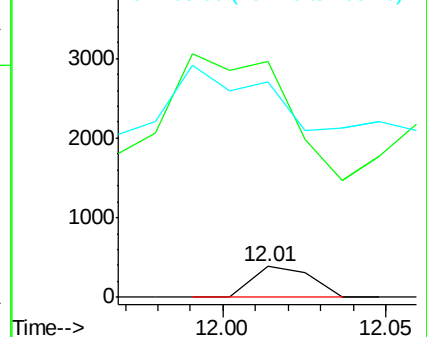
#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.77 ng
 RT: 12.01 min Scan# 956
 Delta R.T. 0.02 min
 Lab File: BF075736.D
 Acq: 21 Nov 2014 5:36

Instrument :
 BNA_F
 ClientSampleId :
 MW-04-11-14-14

Tgt Ion:198 Resp: 478
 Ion Ratio Lower Upper
 198 100
 51 770.1 26.0 66.0#
 105 706.5 24.2 64.2#

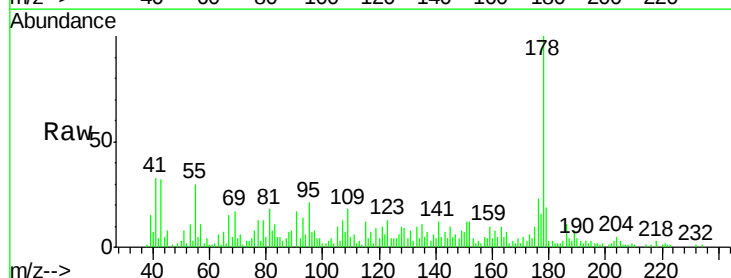


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

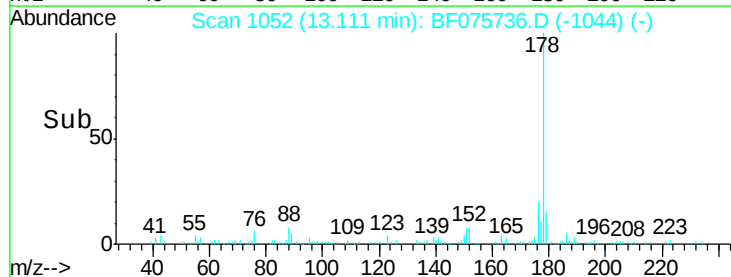
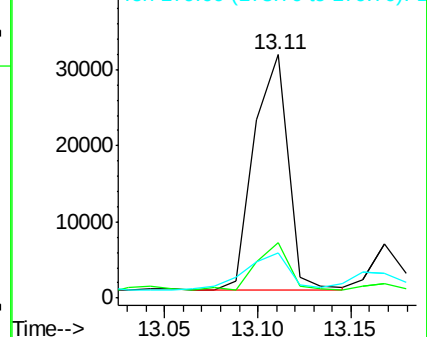


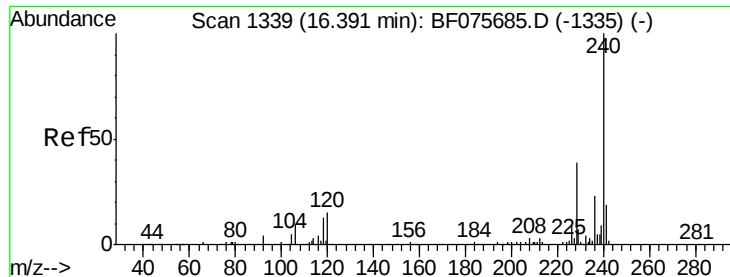
#70
 Phenanthrene
 Concen: 2.48 ng
 RT: 13.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: BF075736.D
 Acq: 21 Nov 2014 5:36

Tgt Ion:178 Resp: 39209
 Ion Ratio Lower Upper
 178 100
 176 22.7 15.3 22.9
 179 18.7 12.2 18.4#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.37 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

Instrument :

BNA_F

ClientSampleId :

MW-04-11-14-14

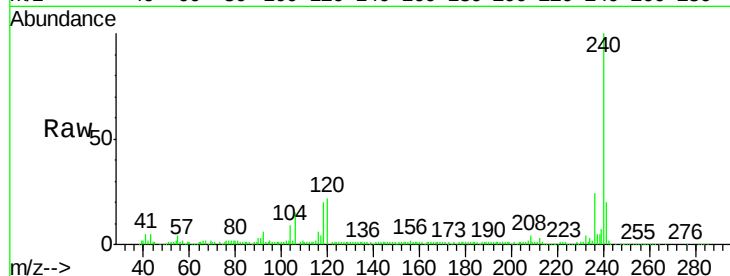
Tgt Ion:240 Resp: 270403

Ion Ratio Lower Upper

240 100

120 22.2 9.6 14.4#

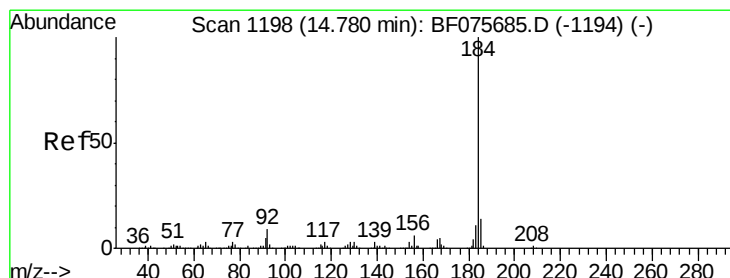
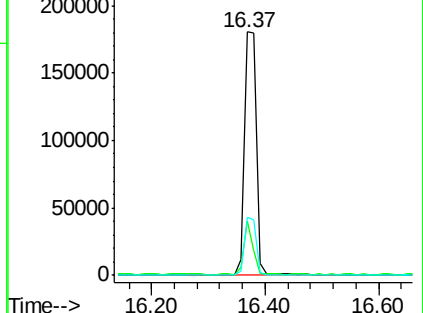
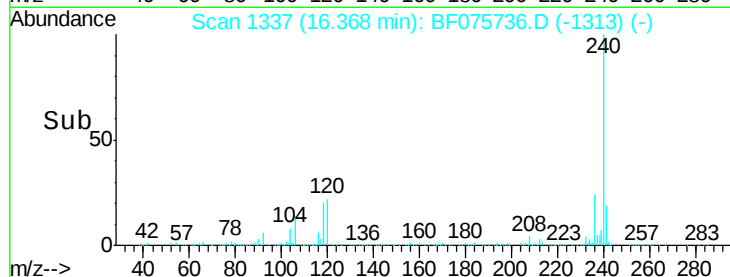
236 23.8 18.9 28.3



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



#76

Benzidine

Concen: Below Cal

RT: 14.77 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

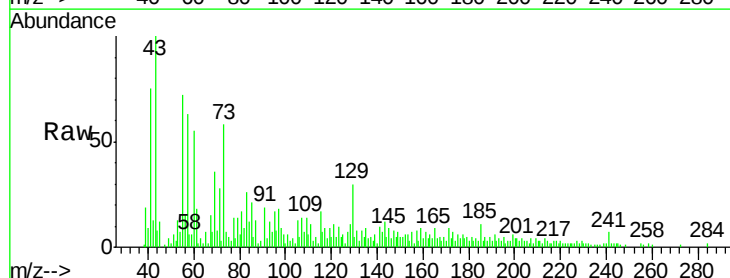
Tgt Ion:184 Resp: 1038

Ion Ratio Lower Upper

184 100

185 412.7 10.9 16.3#

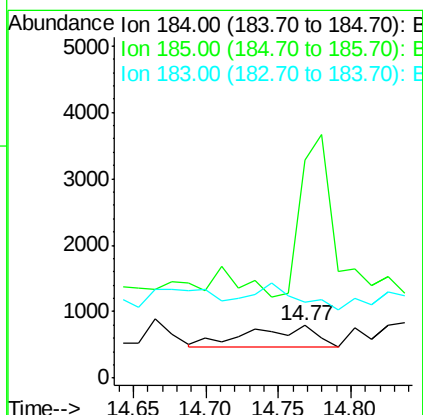
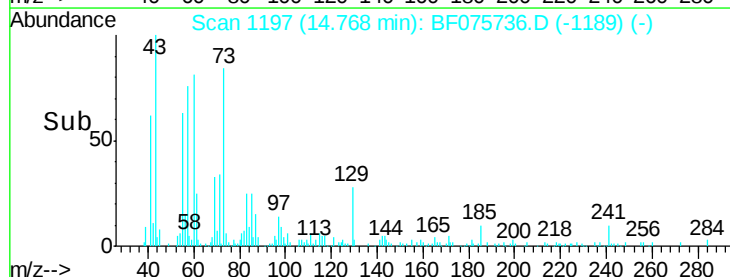
183 143.5 8.7 13.1#

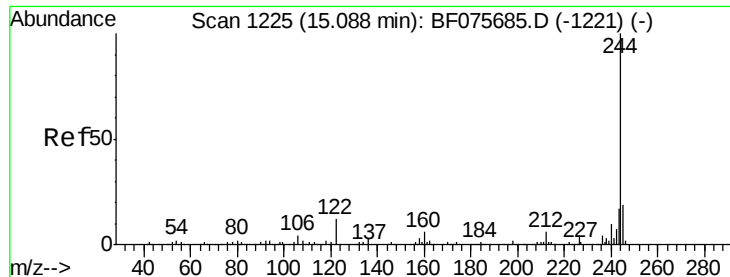


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 60.63 ng

RT: 15.08 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

Instrument :

BNA_F

ClientSampleId :

MW-04-11-14-14

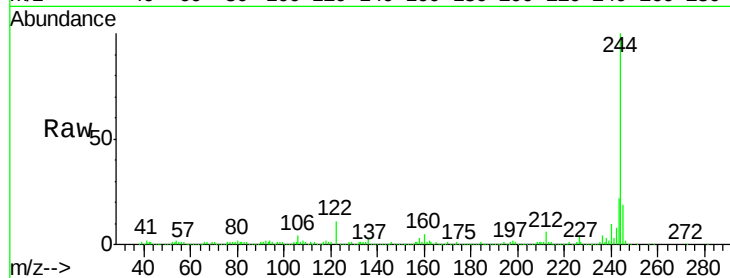
Tgt Ion:244 Resp: 655448

Ion Ratio Lower Upper

244 100

212 5.5 5.5 8.3#

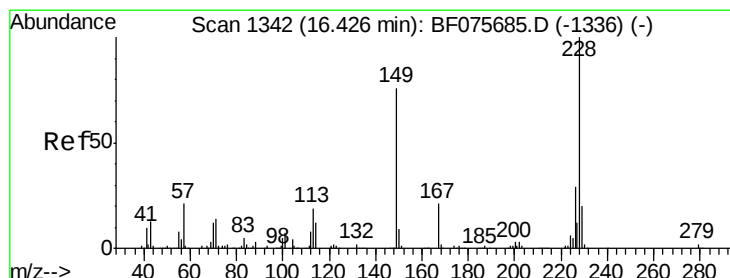
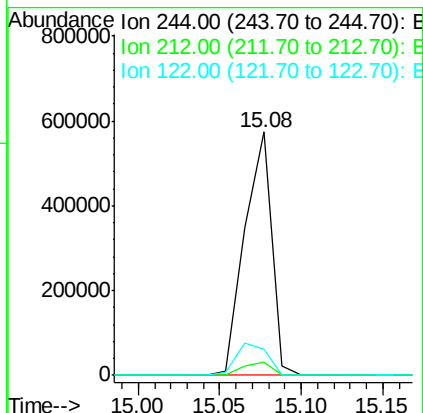
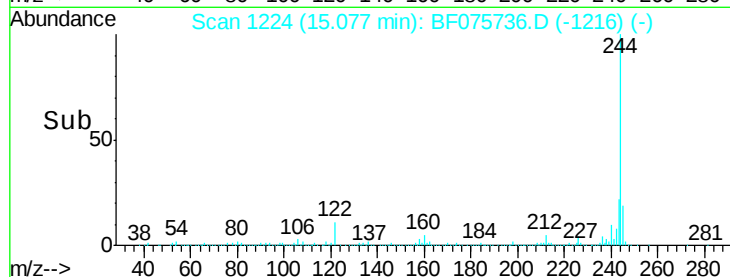
122 10.7 9.7 14.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.26 ng

RT: 16.40 min Scan# 1340

Delta R.T. -0.02 min

Lab File: BF075736.D

Acq: 21 Nov 2014 5:36

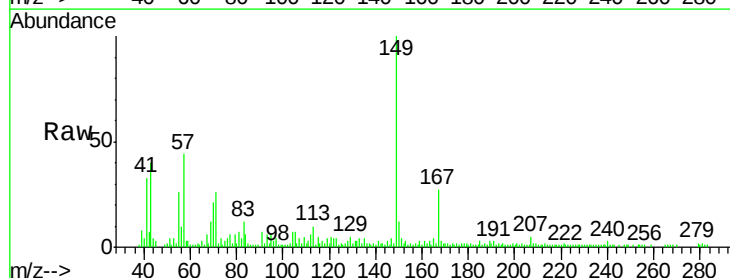
Tgt Ion:149 Resp: 66554

Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.2

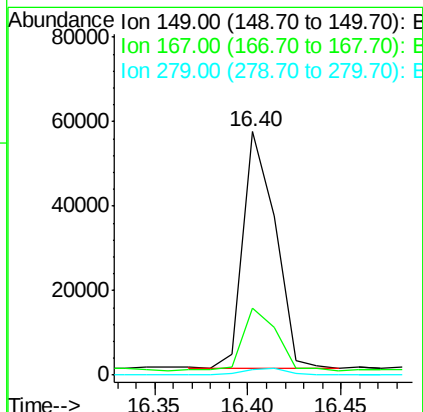
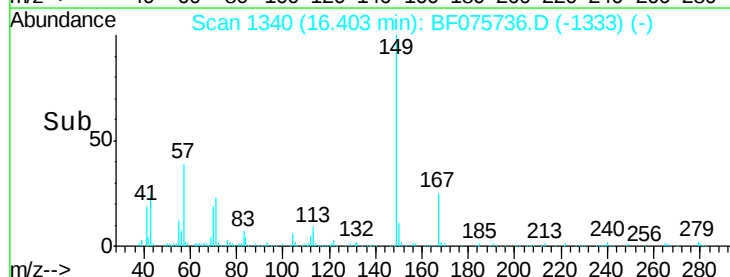
279 2.2 2.8 4.2#

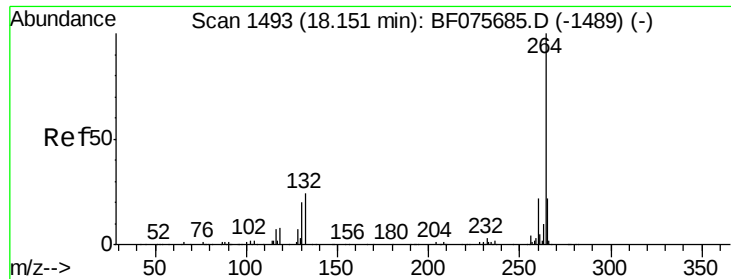


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 18.14 min Scan# 1492
Delta R.T. -0.02 min
Lab File: BF075736.D
Acq: 21 Nov 2014 5:36

Instrument :
BNA_F
ClientSampleId :
MW-04-11-14-14

Tgt Ion: 264 Resp: 263387
Ion Ratio Lower Upper
264 100
260 23.0 17.9 26.9
265 20.6 16.3 24.5

