

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075579.D
 Acq On : 16 Nov 2014 12:39
 Operator : TP / JJ
 Sample : F4743-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-038-111214

Quant Time: Nov 17 05:11:03 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 17 04:16:34 2014
 Response via : Initial Calibration

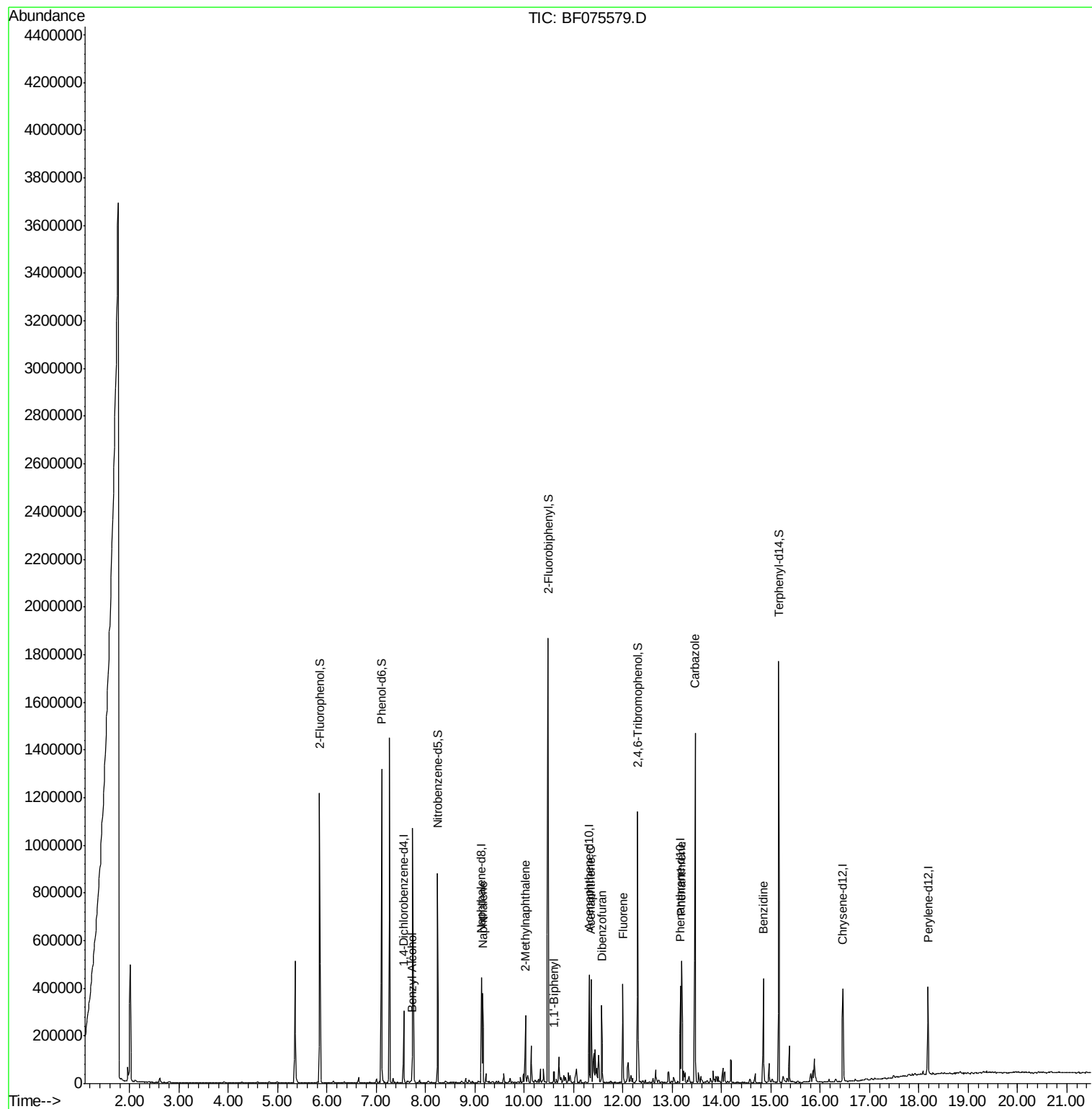
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	46623	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	197732	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	102422	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	174277	20.00	ng	0.00
75) Chrysene-d12	16.46	240	180748	20.00	ng	-0.02
86) Perylene-d12	18.19	264	183203	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	380354	144.12	ng	0.00
7) Phenol-d6	7.11	99	454868	143.33	ng	0.00
23) Nitrobenzene-d5	8.24	82	287909	106.75	ng	-0.01
41) 2,4,6-Tribromophenol	12.30	330	135709	158.20	ng	-0.01
44) 2-Fluorobiphenyl	10.48	172	624271	110.14	ng	0.00
78) Terphenyl-d14	15.16	244	665705	99.15	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	7.73	79	13291	5.33	ng	84
31) Naphthalene	9.16	128	210678	23.90	ng	99
37) 2-Methylnaphthalene	10.02	142	87928	14.62	ng	# 95
45) 1,1'-Biphenyl	10.61	154	22246	3.22	ng	96
51) Acenaphthene	11.35	154	132793	24.70	ng	97
54) Dibenzofuran	11.57	168	153265	19.95	ng	97
57) Fluorene	12.00	166	151888	24.44	ng	99
70) Phenanthrene	13.19	178	233715	25.48	ng	98
72) Carbazole	13.47	167	640995	69.10	ng	100
76) Benzidine	14.85	184	176646	30.73	ng	99

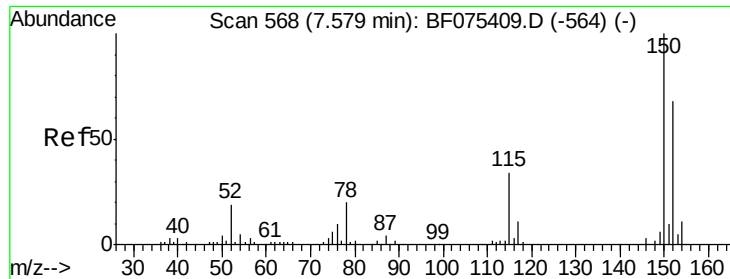
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.00 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

Instrument :

BNA_F

ClientSampleId :

DCW-WC-038-111214

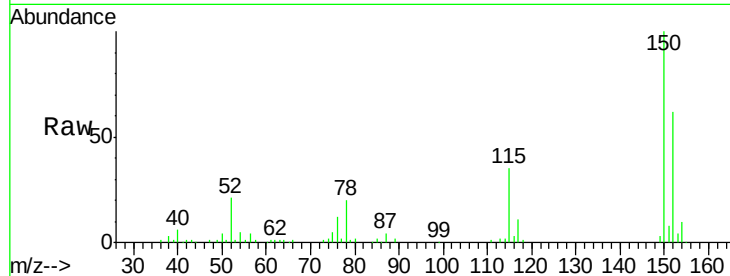
Tgt Ion:152 Resp: 46623

Ion Ratio Lower Upper

152 100

150 160.6 127.2 190.8

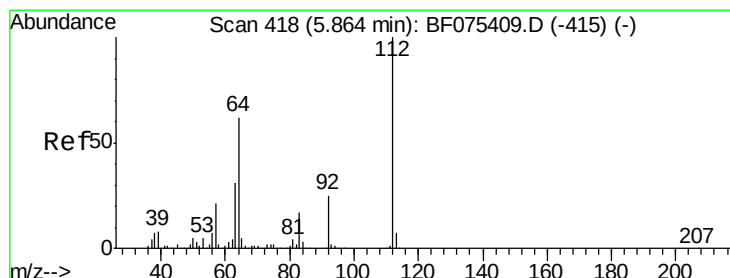
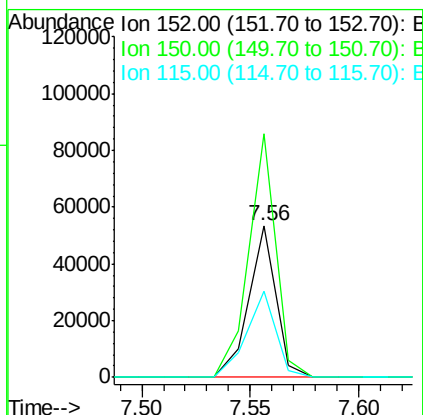
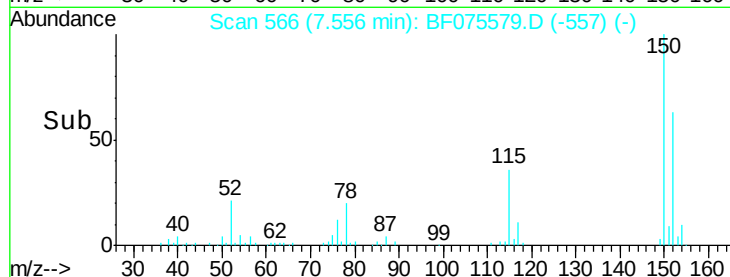
115 56.8 57.1 85.7#



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: 144.12 ng

RT: 5.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

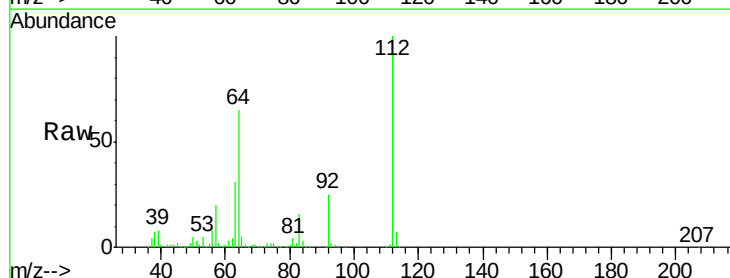
Tgt Ion:112 Resp: 380354

Ion Ratio Lower Upper

112 100

64 65.3 45.8 68.6

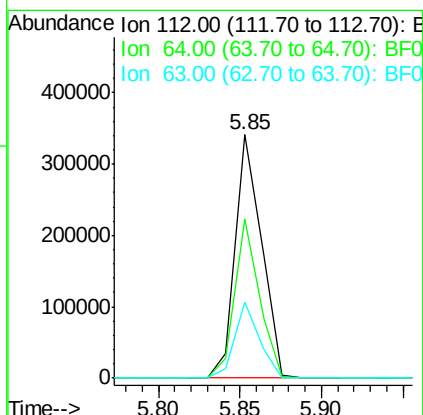
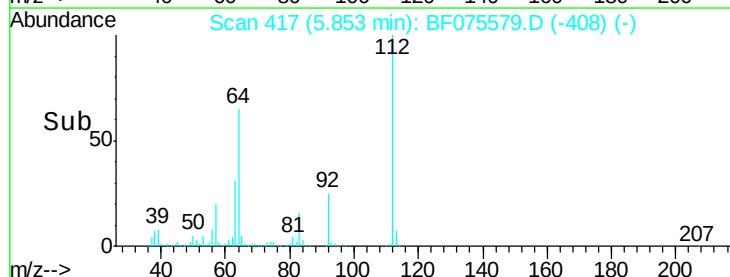
63 31.3 22.7 34.1

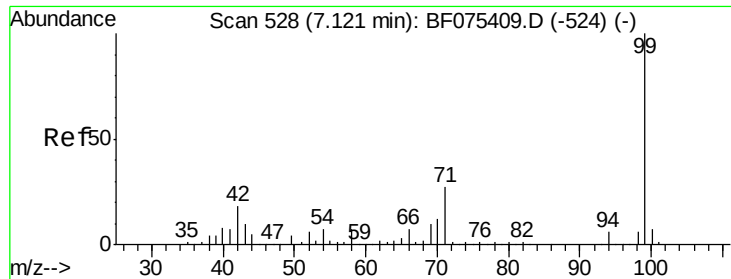


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.33 ng

RT: 7.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

Instrument :

BNA_F

ClientSampleId :

DCW-WC-038-111214

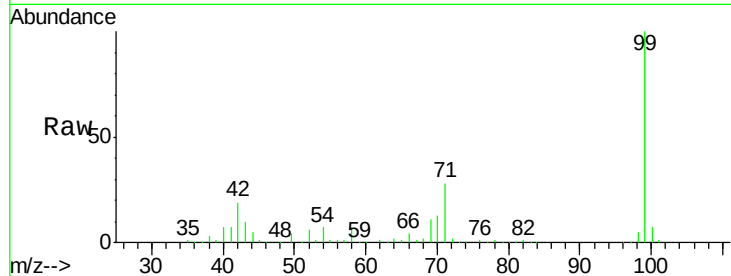
Tgt Ion: 99 Resp: 454868

Ion Ratio Lower Upper

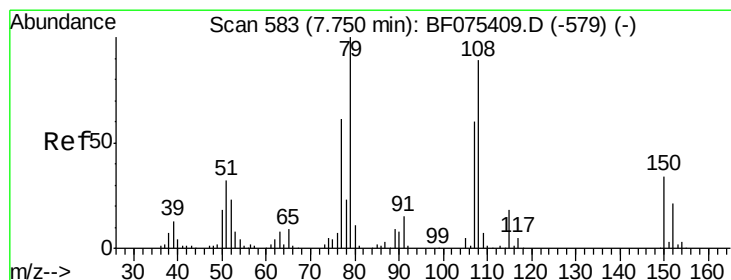
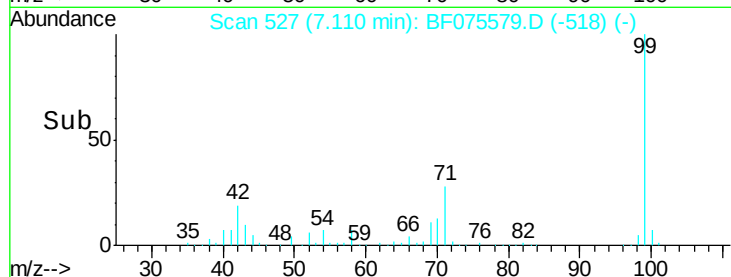
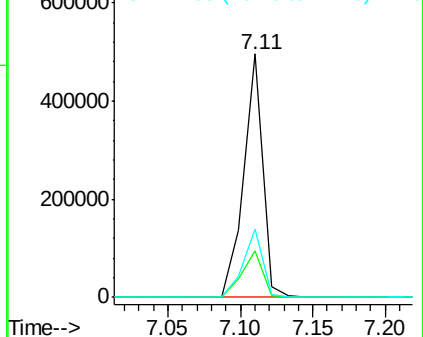
99 100

42 19.0 19.8 29.6#

71 27.9 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



#15

Benzyl Alcohol

Concen: 5.33 ng

RT: 7.73 min Scan# 581

Delta R.T. -0.01 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

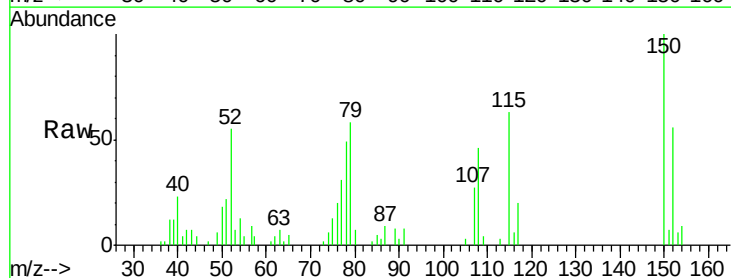
Tgt Ion: 79 Resp: 13291

Ion Ratio Lower Upper

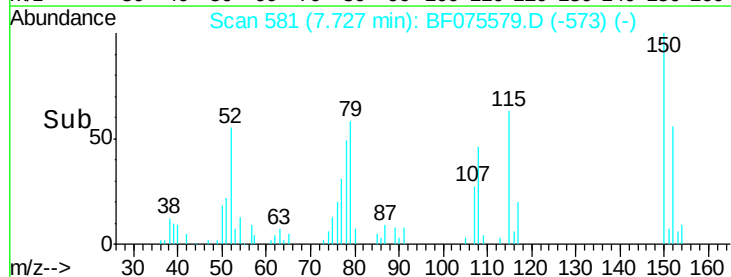
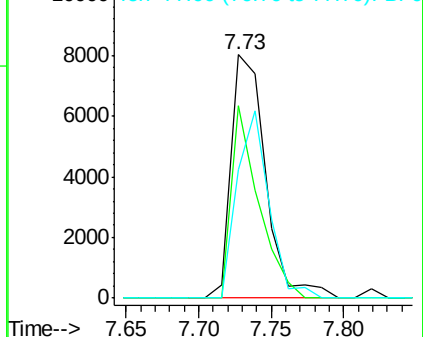
79 100

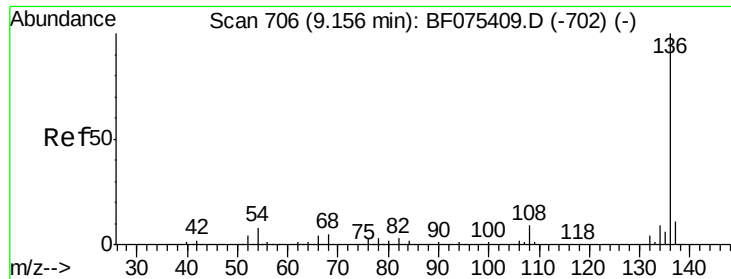
108 78.9 75.5 113.3

77 52.9 52.1 78.1



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

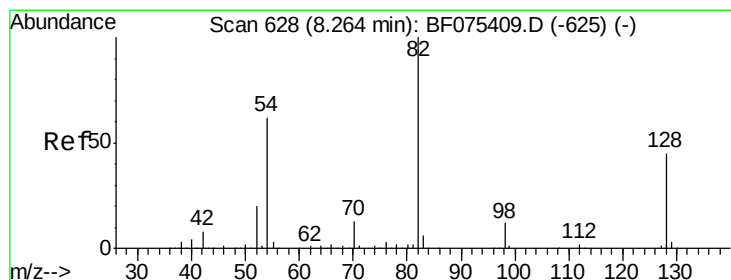
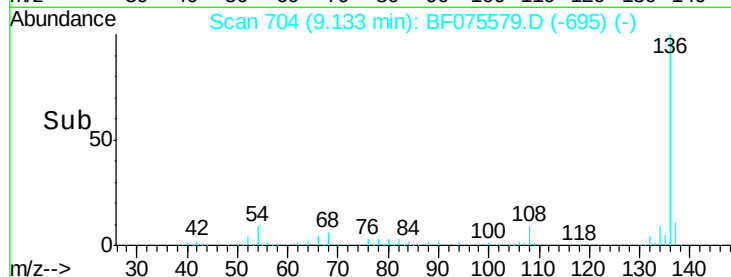
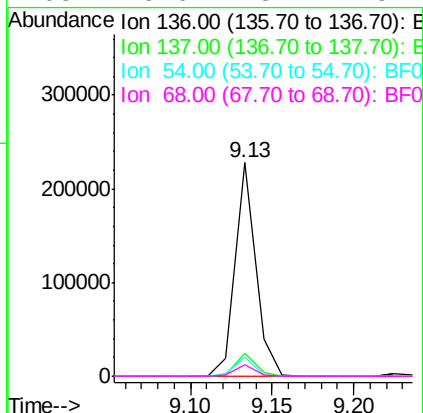
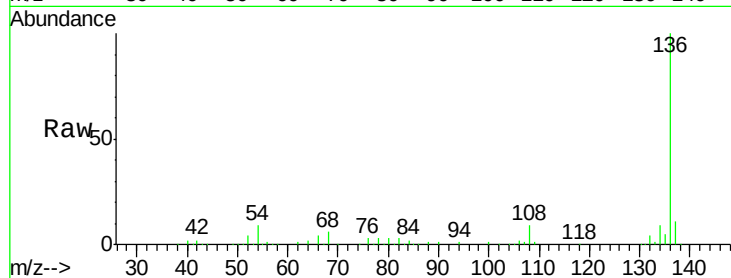




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.13 min Scan# 704
Delta R.T. -0.00 min
Lab File: BF075579.D
Acq: 16 Nov 2014 12:39

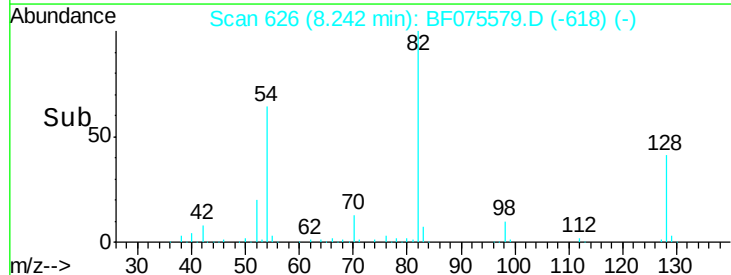
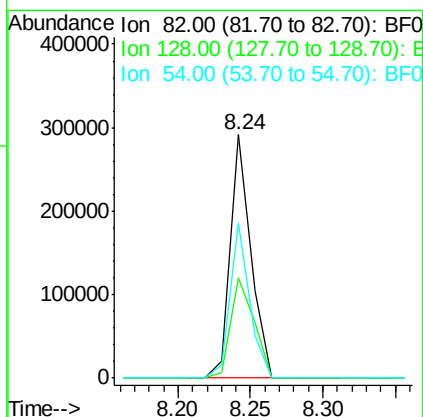
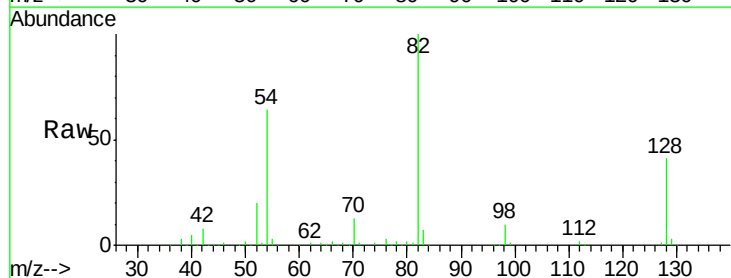
Instrument :
BNA_F
ClientSampleId :
DCW-WC-038-111214

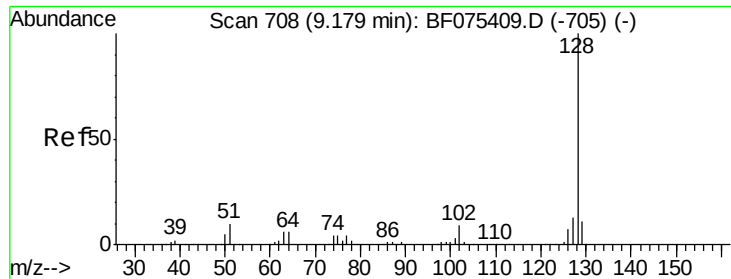
Tgt Ion:	136	Resp:	197732
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	8.9	6.2	9.4
68	5.6	3.4	5.2#



#23
Nitrobenzene-d5
Concen: 106.75 ng
RT: 8.24 min Scan# 626
Delta R.T. -0.01 min
Lab File: BF075579.D
Acq: 16 Nov 2014 12:39

Tgt Ion:	82	Resp:	287909
Ion	Ratio	Lower	Upper
82	100		
128	41.0	37.8	56.6
54	63.9	49.8	74.8





#31

Naphthalene

Concen: 23.90 ng

RT: 9.16 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

Instrument :

BNA_F

ClientSampleId :

DCW-WC-038-111214

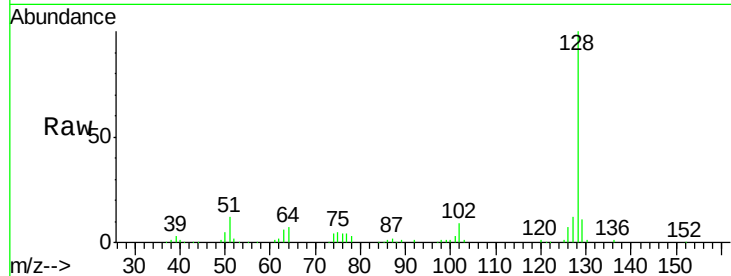
Tgt Ion:128 Resp: 210678

Ion Ratio Lower Upper

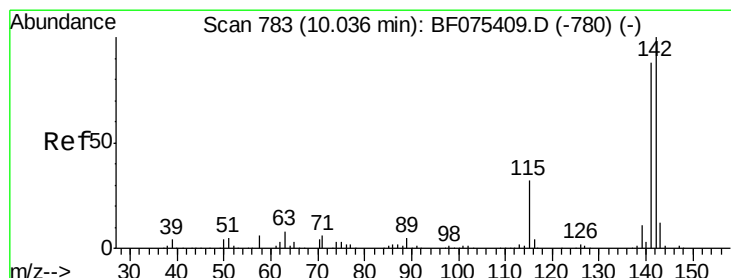
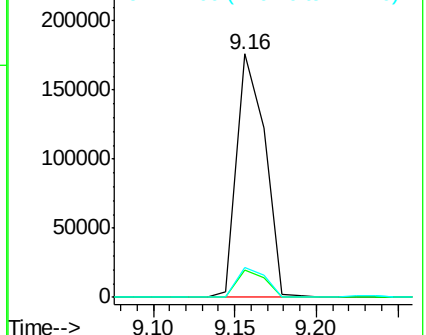
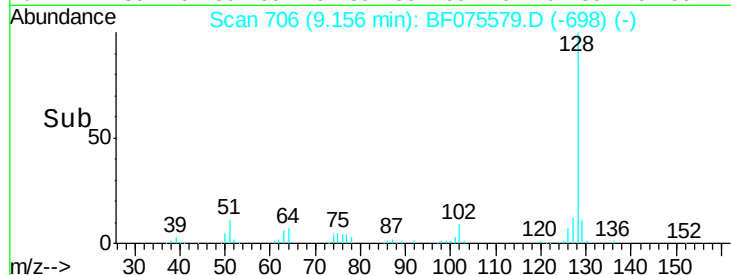
128 100

129 11.1 9.0 13.4

127 12.0 10.2 15.4



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



#37

2-Methylnaphthalene

Concen: 14.62 ng

RT: 10.02 min Scan# 782

Delta R.T. -0.00 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

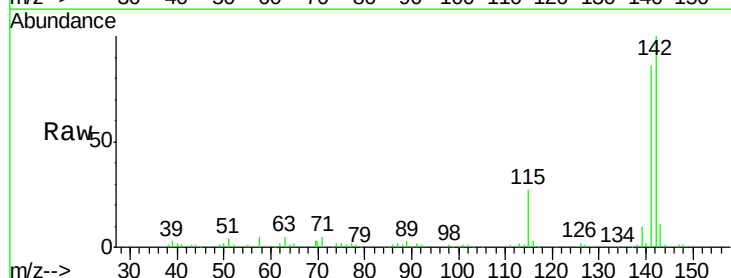
Tgt Ion:142 Resp: 87928

Ion Ratio Lower Upper

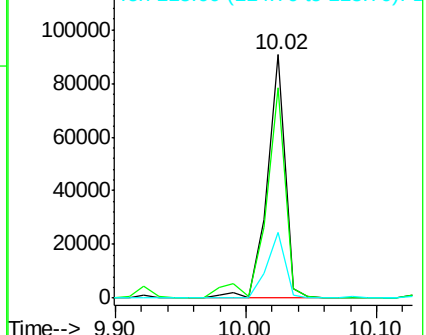
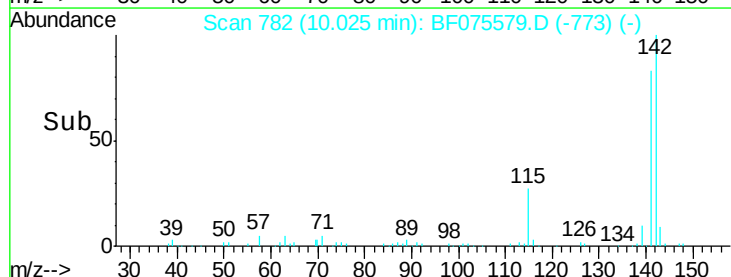
142 100

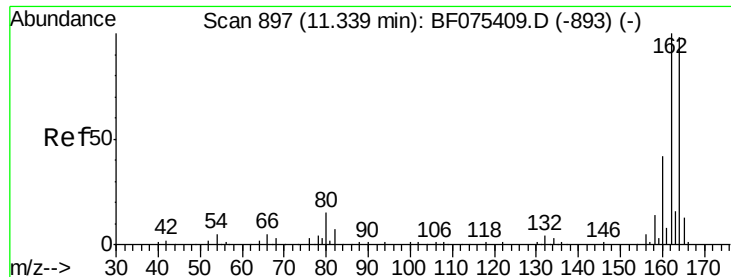
141 86.2 69.9 104.9

115 27.0 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: 11.32 min Scan# 895

Delta R.T. -0.00 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

Instrument :

BNA_F

ClientSampleId :

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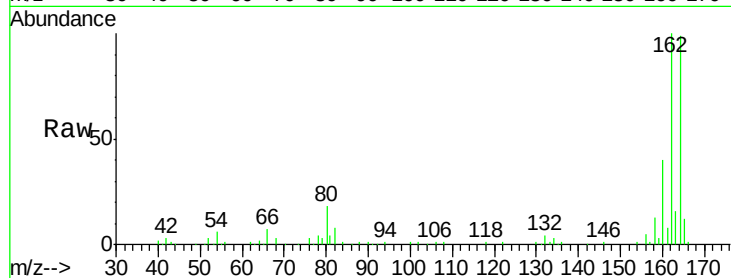
Tgt Ion:164 Resp: 102422

Ion Ratio Lower Upper

164 100

162 101.2 79.1 118.7

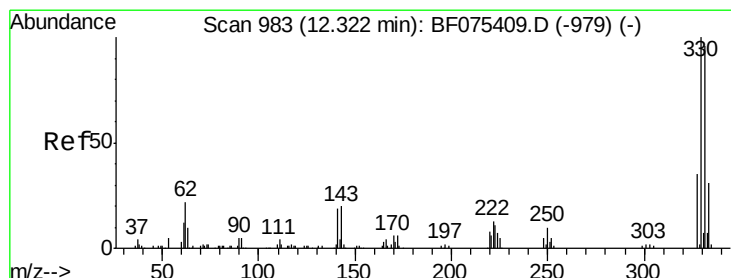
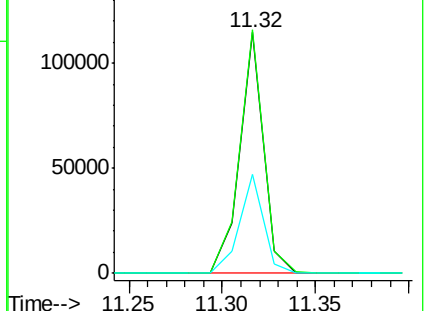
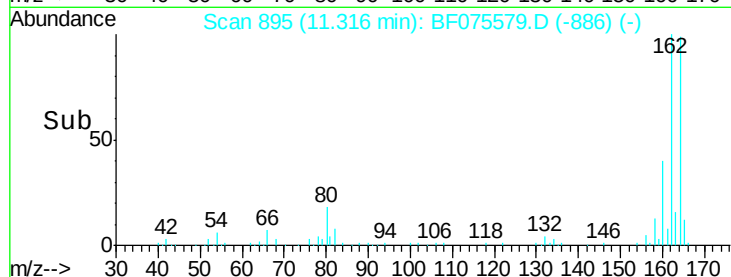
160 41.0 34.6 51.8



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: 158.20 ng

RT: 12.30 min Scan# 981

Delta R.T. -0.01 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

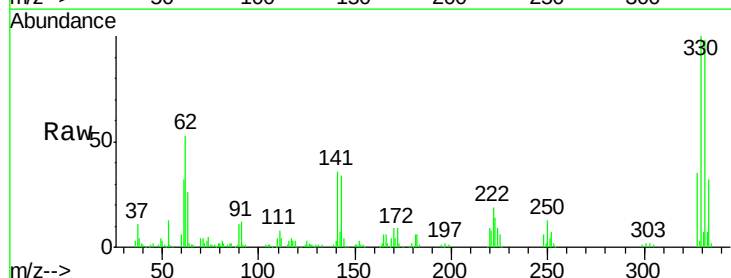
Tgt Ion:330 Resp: 135709

Ion Ratio Lower Upper

330 100

332 96.6 74.5 111.7

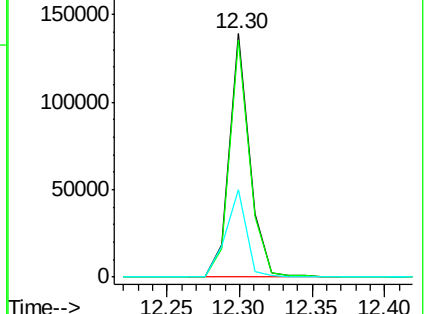
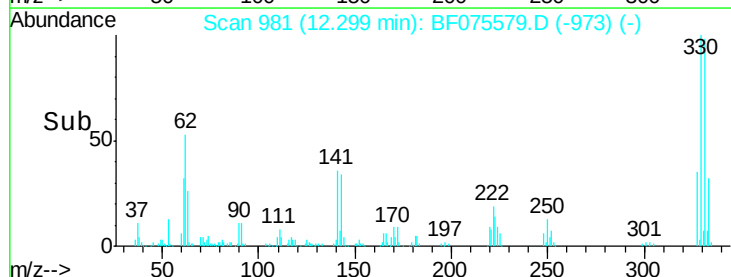
141 36.9 30.7 46.1

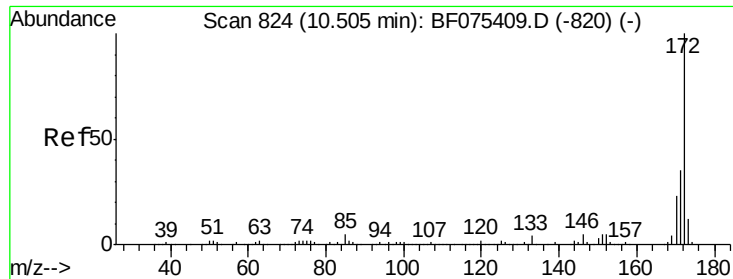


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

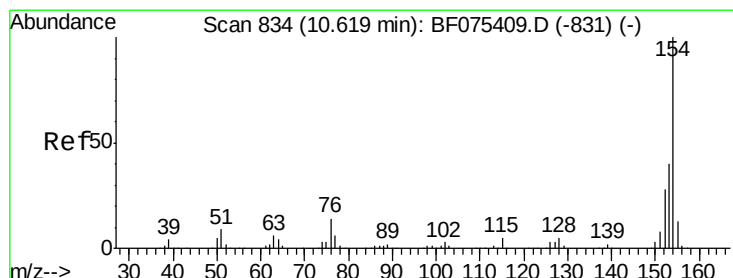
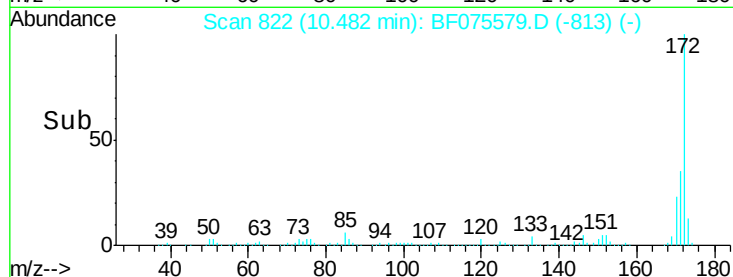
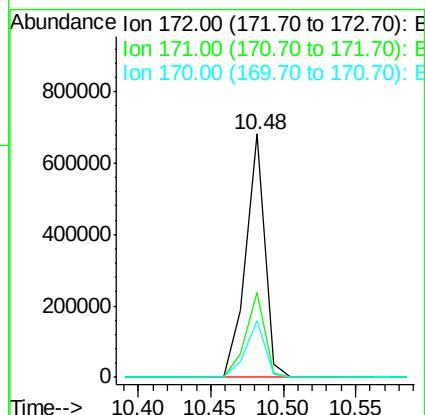
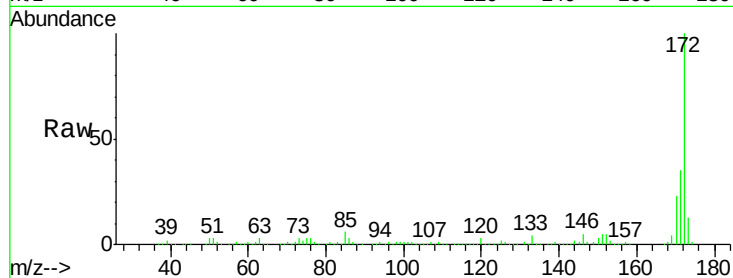




#44
 2-Fluorobiphenyl
 Concen: 110.14 ng
 RT: 10.48 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

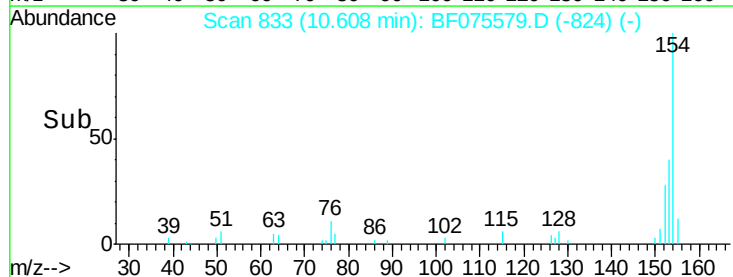
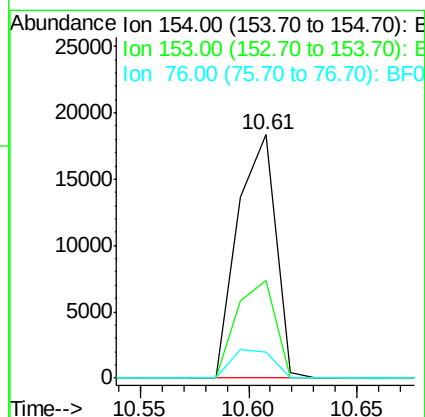
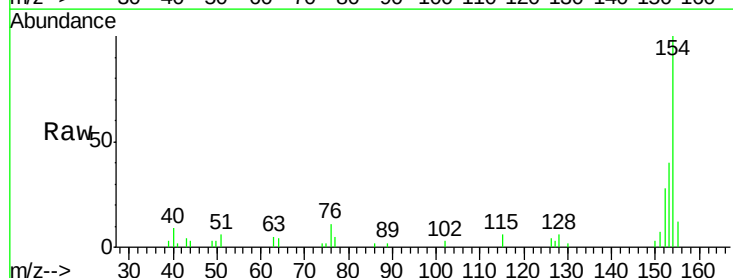
Instrument :
 BNA_F
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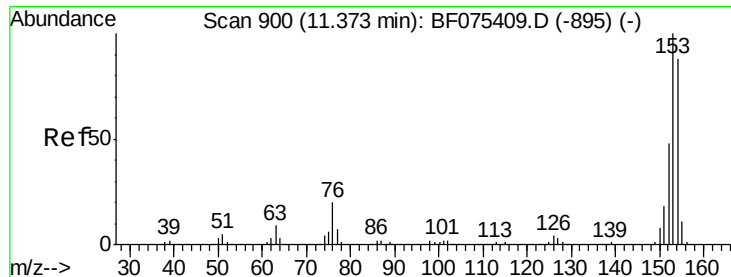
Tgt Ion:172 Resp: 624271
 Ion Ratio Lower Upper
 172 100
 171 35.0 27.3 40.9
 170 23.2 18.4 27.6



#45
 1,1'-Biphenyl
 Concen: 3.22 ng
 RT: 10.61 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

Tgt Ion:154 Resp: 22246
 Ion Ratio Lower Upper
 154 100
 153 40.1 19.3 59.3
 76 10.9 0.0 35.0





#51

Acenaphthene

Concen: 24.70 ng

RT: 11.35 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

Instrument :

BNA_F

ClientSampleId :

DCW-WC-038-111214

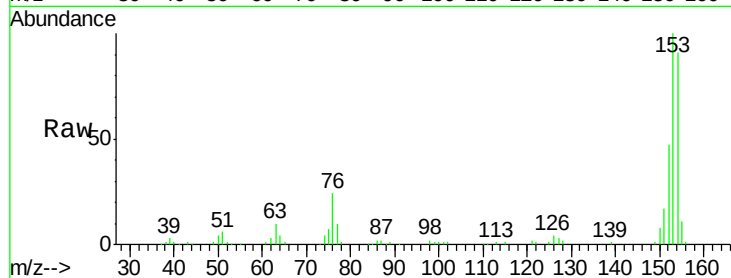
Tgt Ion:154 Resp: 132793

Ion Ratio Lower Upper

154 100

153 110.4 91.2 136.8

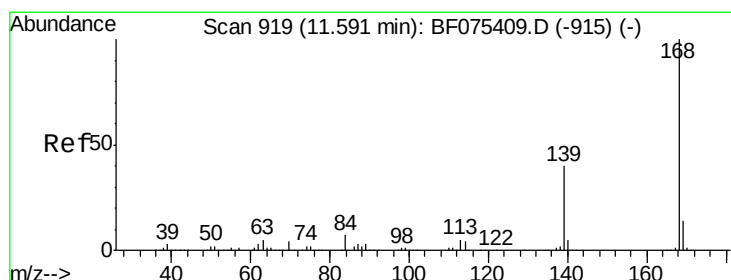
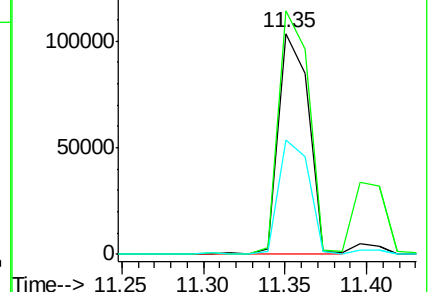
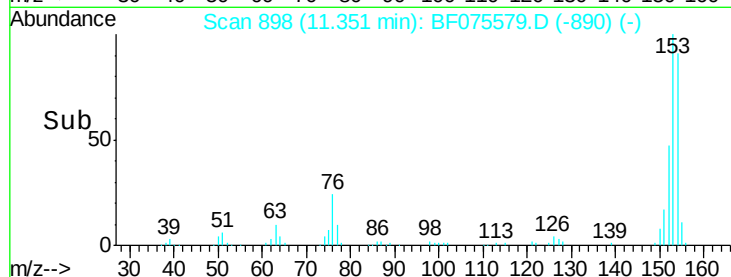
152 51.8 43.4 65.0



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: 19.95 ng

RT: 11.57 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

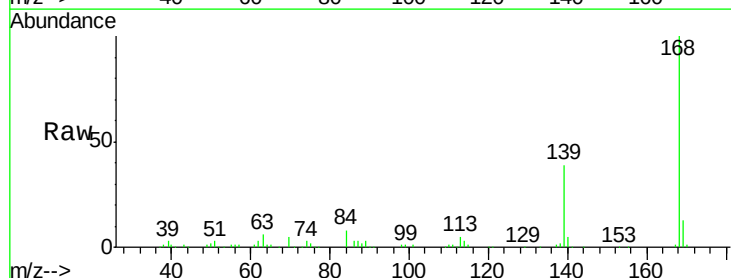
Tgt Ion:168 Resp: 153265

Ion Ratio Lower Upper

168 100

139 39.3 33.0 49.4

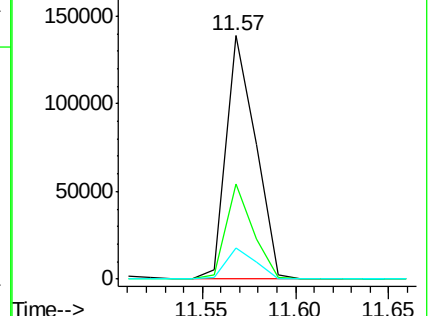
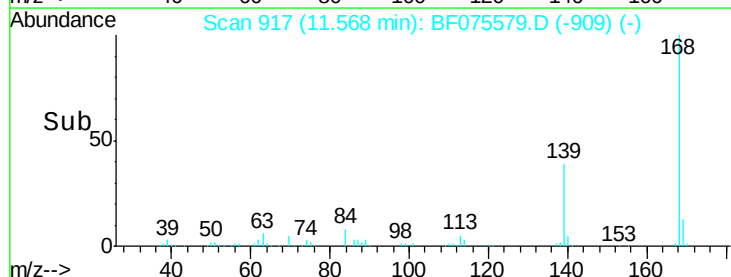
169 13.0 10.8 16.2

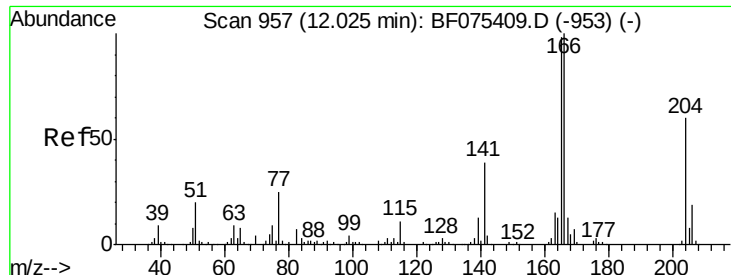


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

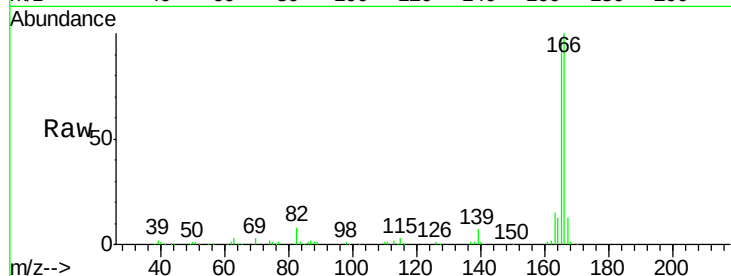




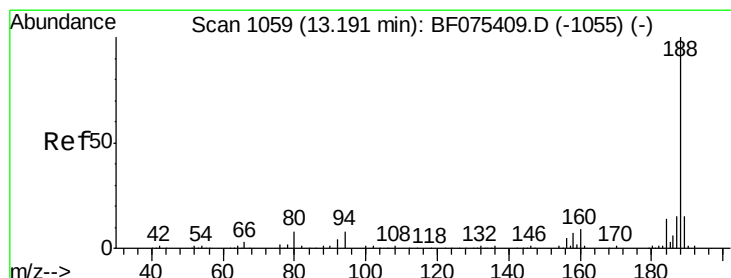
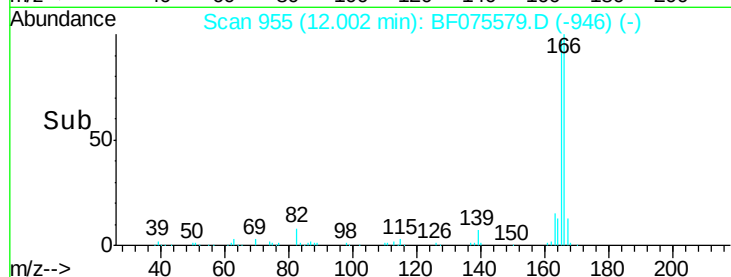
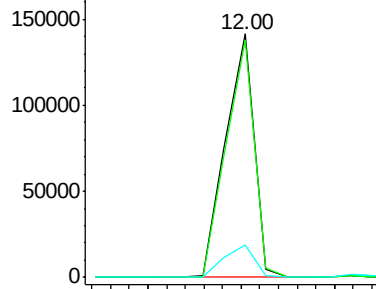
#57
Fluorene
 Concen: 24.44 ng
 RT: 12.00 min Scan# 955
 Delta R.T. -0.00 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-038-111214

Tgt Ion:166 Resp: 151888
 Ion Ratio Lower Upper
 166 100
 165 97.3 78.8 118.2
 167 13.2 10.6 15.8

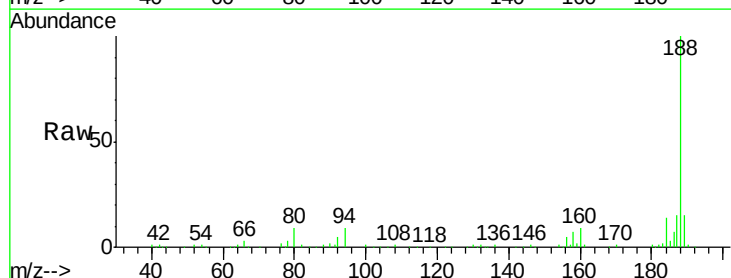


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

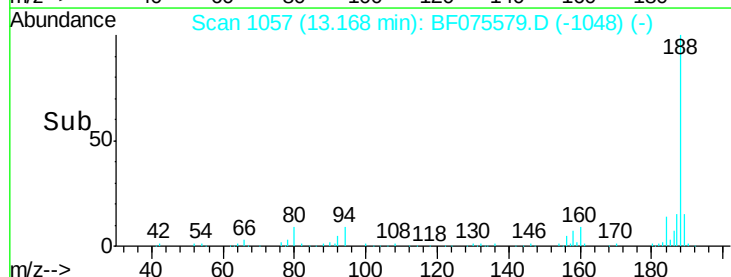
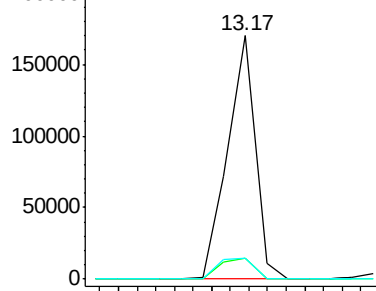


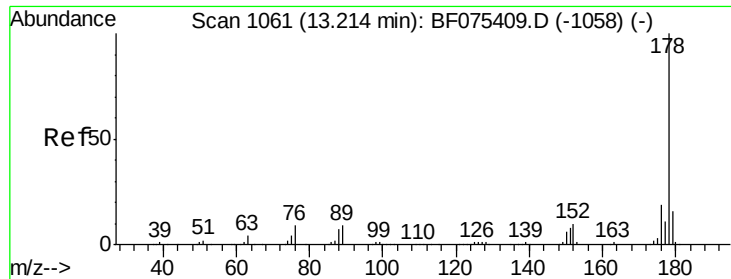
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.17 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

Tgt Ion:188 Resp: 174277
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.8 11.6
 80 8.7 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





#70

Phenanthrene

Concen: 25.48 ng

RT: 13.19 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

Instrument :

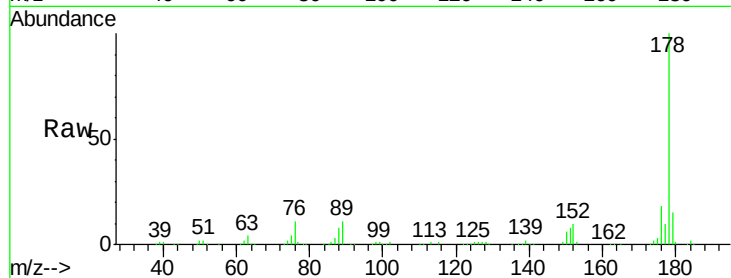
BNA_F

ClientSampleId :

DCW-WC-038-111214

Tgt Ion:178 Resp: 233715

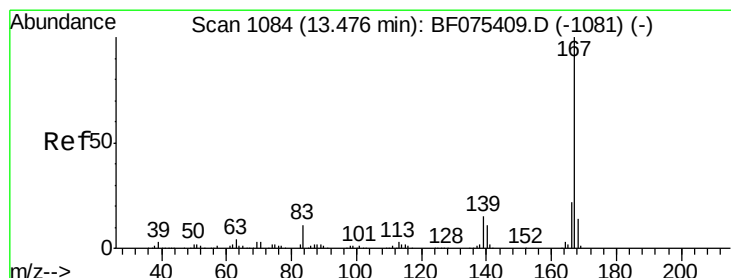
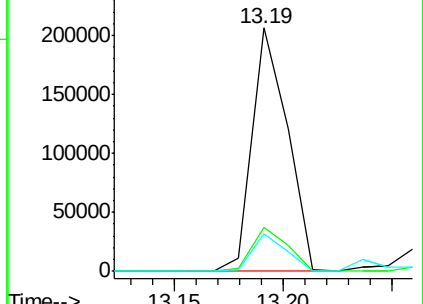
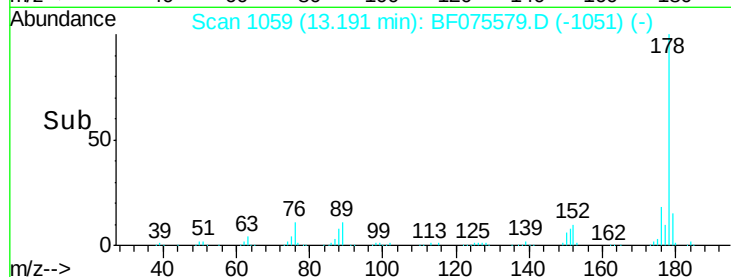
Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.3	22.9
179	15.2	12.2	18.4



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



#72

Carbazole

Concen: 69.10 ng

RT: 13.47 min Scan# 1083

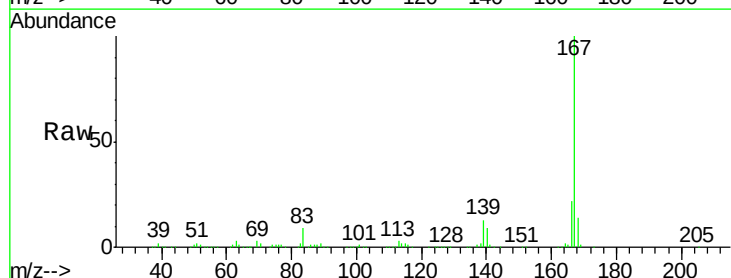
Delta R.T. -0.00 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

Tgt Ion:167 Resp: 640995

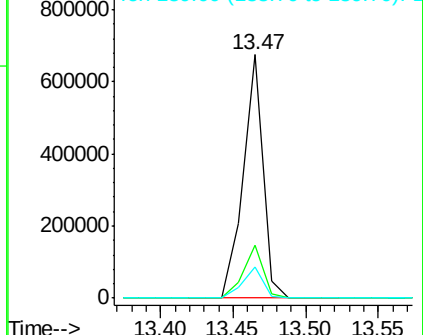
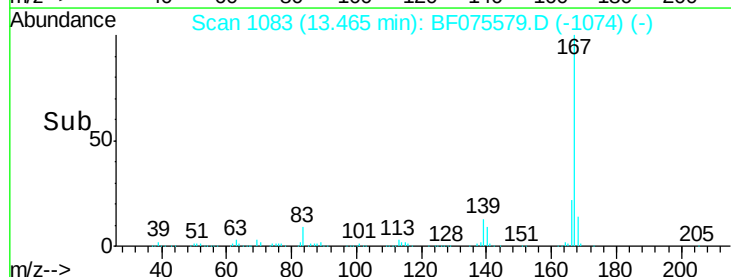
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	12.8	10.1	15.1

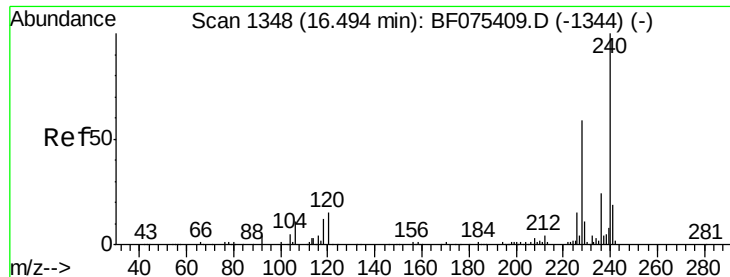


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.46 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

Instrument :

BNA_F

ClientSampleId :

DCW-WC-038-111214

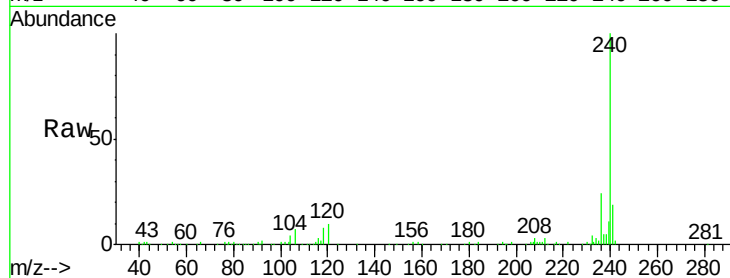
Tgt Ion:240 Resp: 180748

Ion Ratio Lower Upper

240 100

120 10.1 9.6 14.4

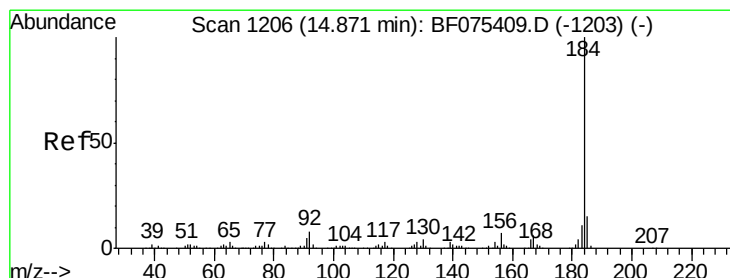
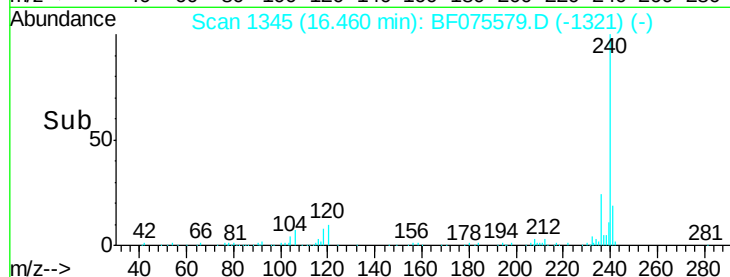
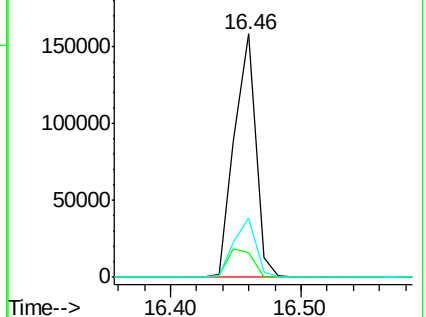
236 24.2 18.9 28.3



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: 30.73 ng

RT: 14.85 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

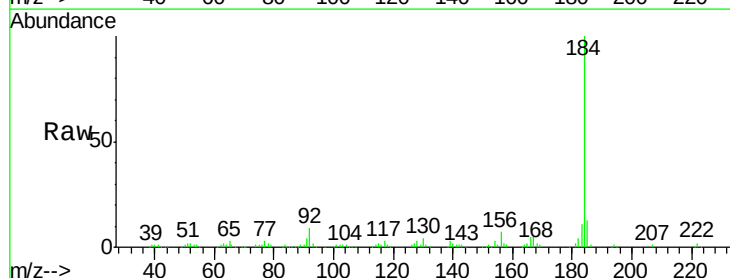
Tgt Ion:184 Resp: 176646

Ion Ratio Lower Upper

184 100

185 13.3 10.9 16.3

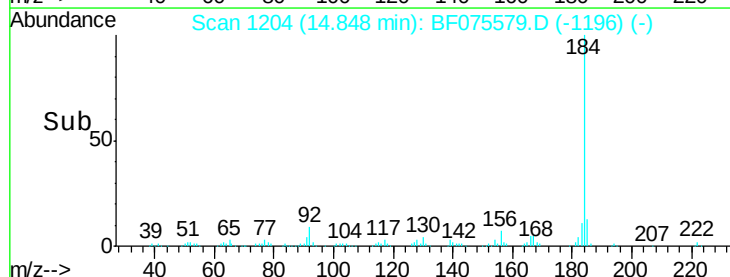
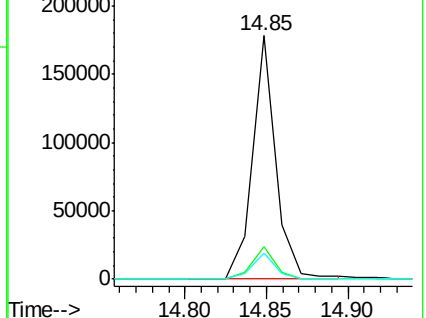
183 10.7 8.7 13.1

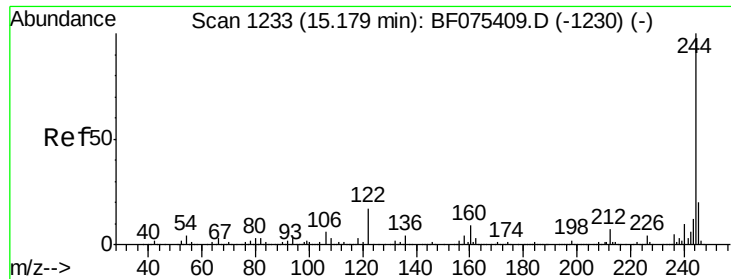


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

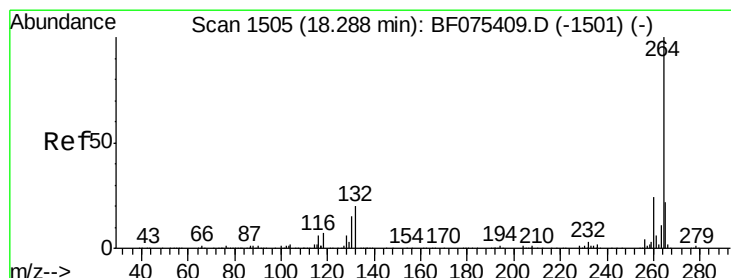
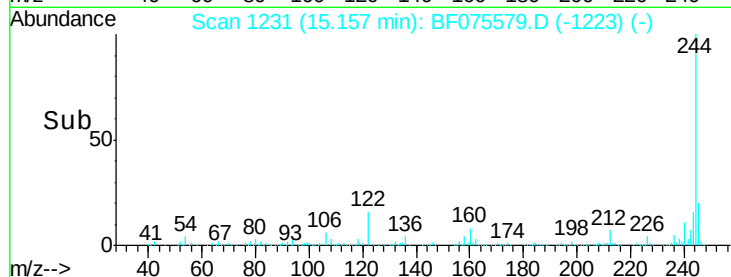
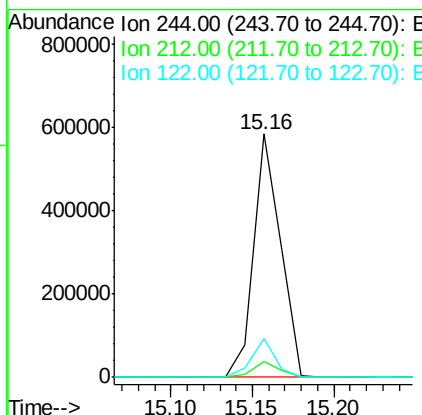
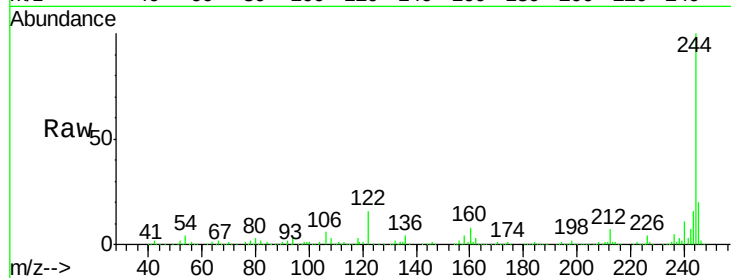




#78
 Terphenyl-d14
 Concen: 99.15 ng
 RT: 15.16 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-038-111214

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	15.8	9.7	14.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.19 min Scan# 1496
 Delta R.T. -0.10 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.9	26.9
265	20.4	16.3	24.5

