

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 04:37:20 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

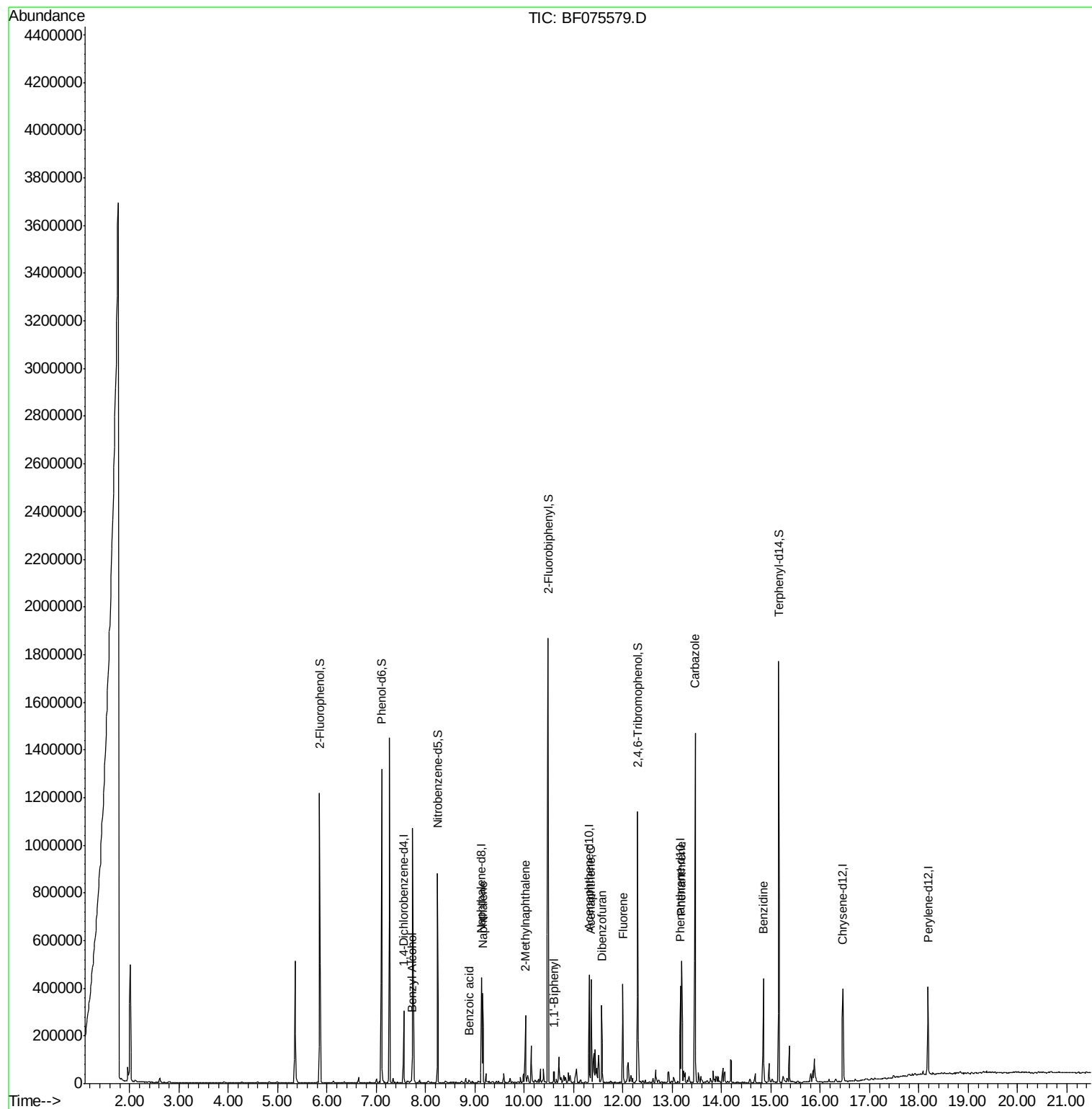
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	46623	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	197732	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	102422	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	174277	20.00	ng	0.00
75) Chrysene-d12	16.46	240	180748	20.00	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
32) Benzoic acid	8.88	122	3574	2.14	ng	# 18
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) Benzydine	14.85	184	176646	30.73	ng	99

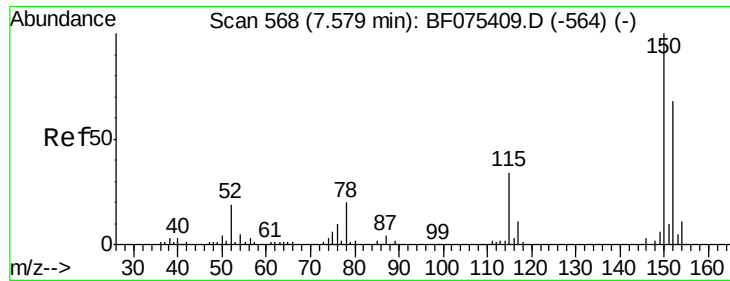
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#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

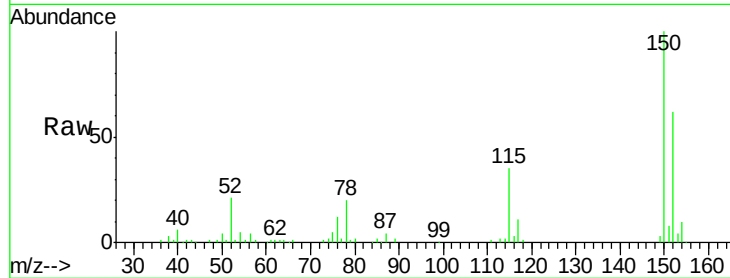
Tgt Ion:152 Resp: 46623

Ion Ratio Lower Upper

152 100

150 160.6 127.2 190.8

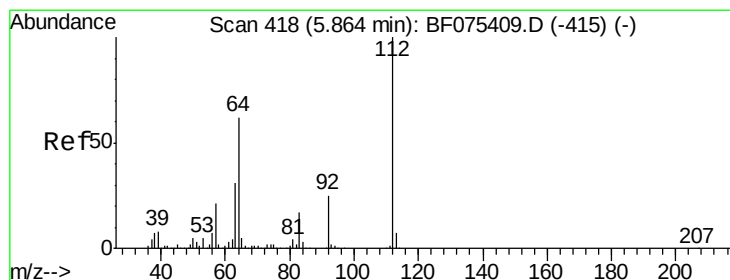
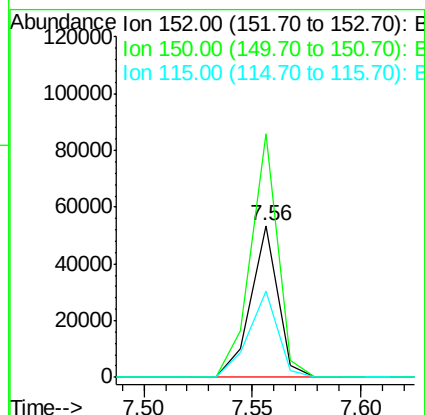
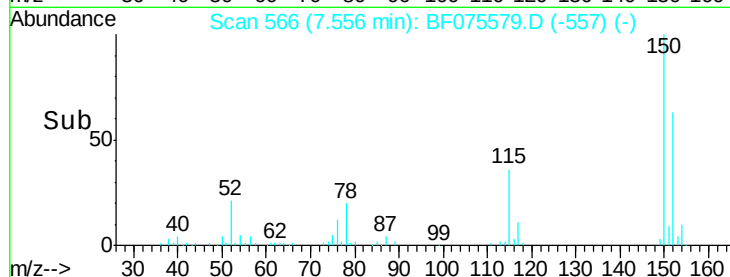
115 56.8 57.1 85.7#



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

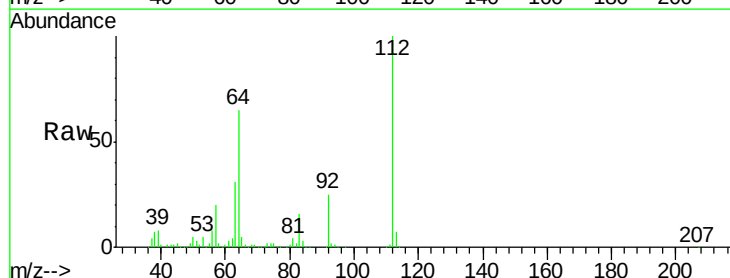
Tgt Ion:112 Resp: 380354

Ion Ratio Lower Upper

112 100

64 65.3 45.8 68.6

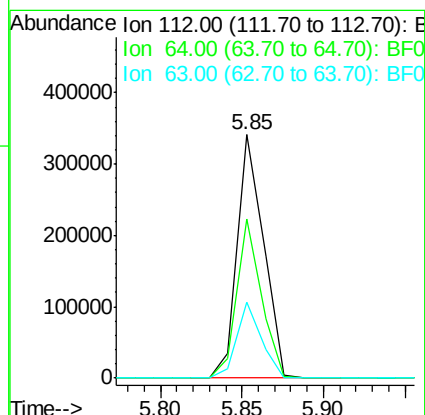
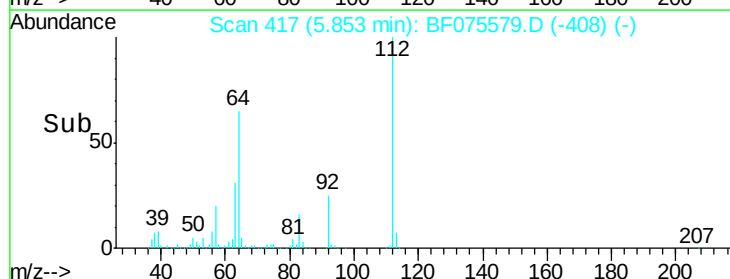
63 31.3 22.7 34.1

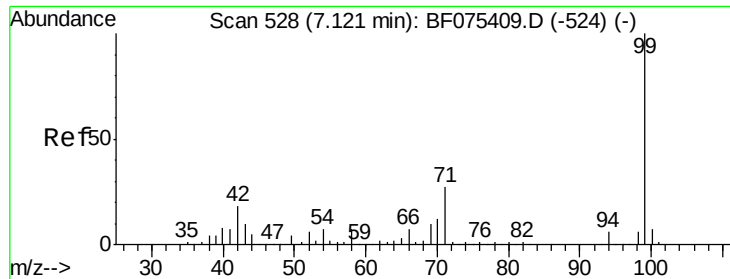


Abundance Ion 112.00 (111.70 to 112.70): E

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

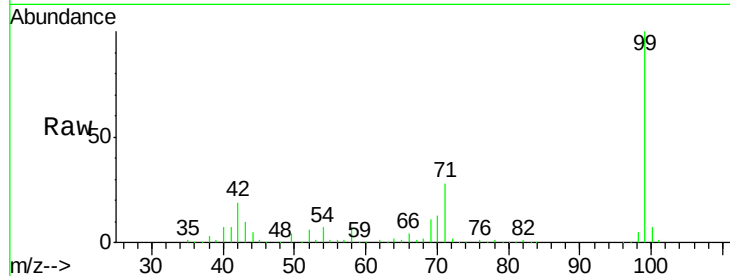
Tgt Ion: 99 Resp: 454868

Ion Ratio Lower Upper

99 100

42 19.0 19.8 29.6#

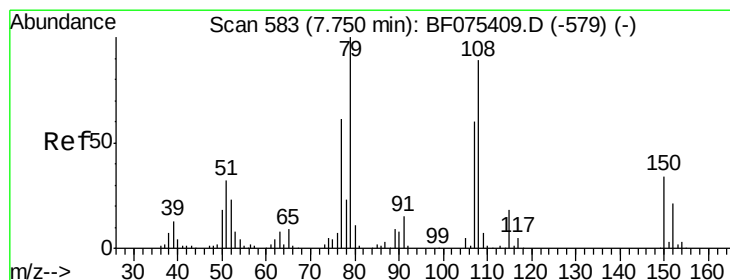
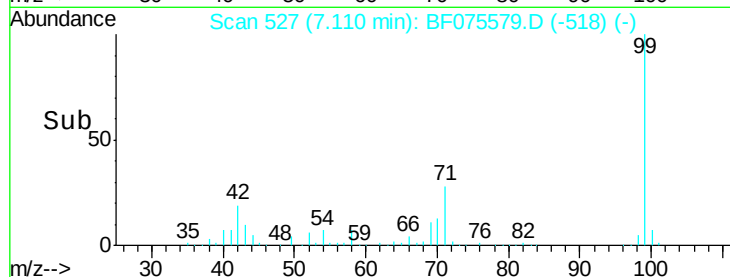
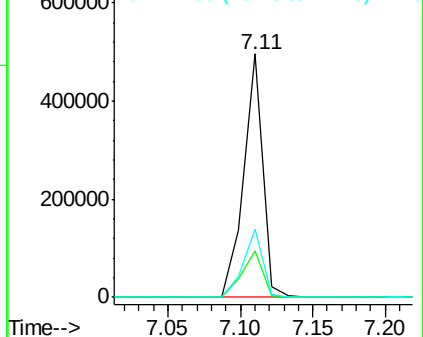
71 27.9 25.5 38.3



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

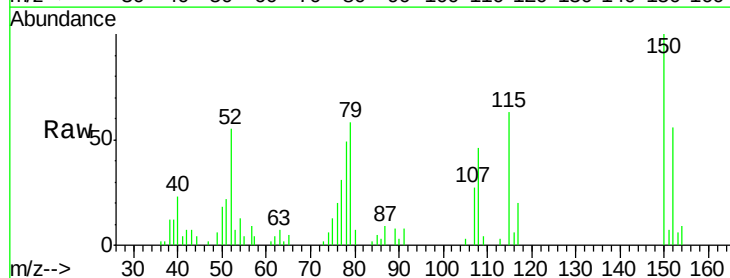
Tgt Ion: 79 Resp: 13291

Ion Ratio Lower Upper

79 100

108 78.9 75.5 113.3

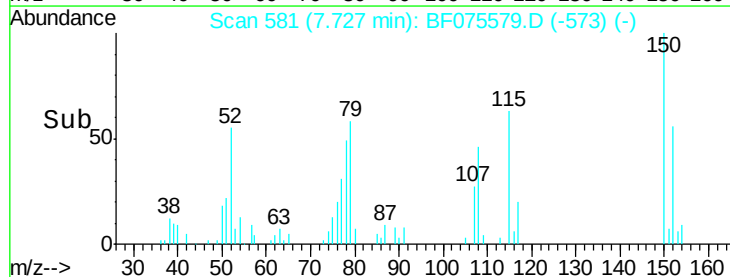
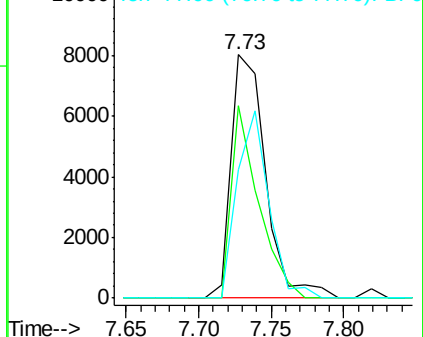
77 52.9 52.1 78.1

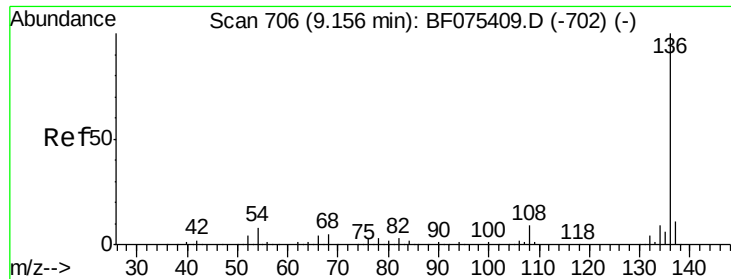


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

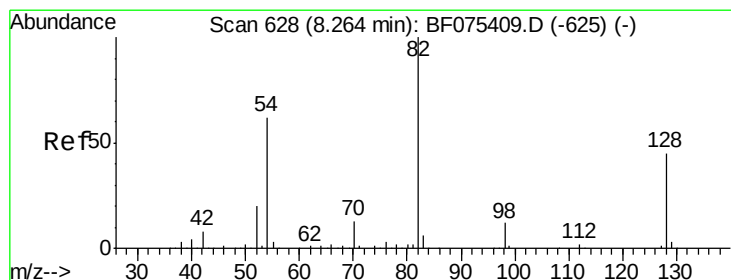
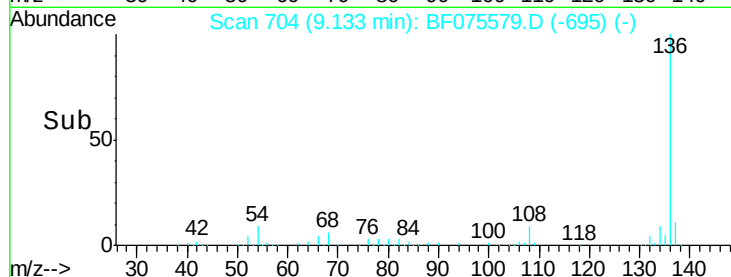
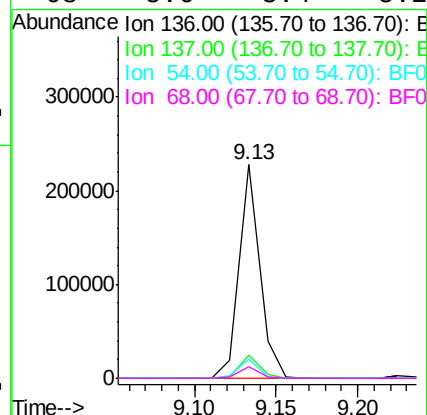
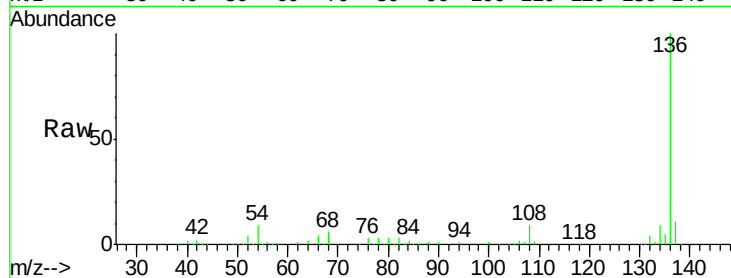




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.13 min Scan# 704
Delta R.T. -0.00 min
Lab File: BF075579.D
Acq: 16 Nov 2014 12:39

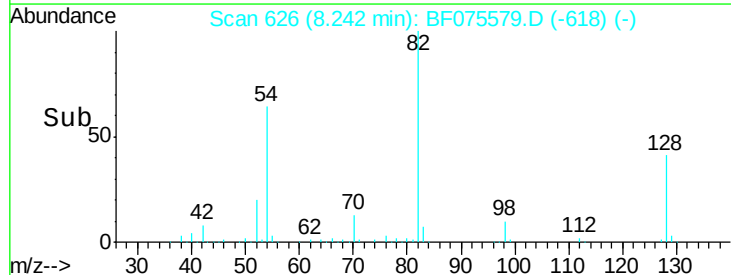
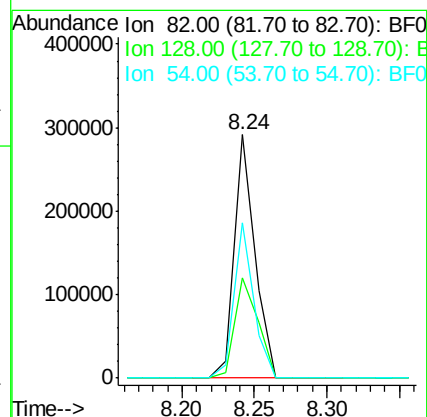
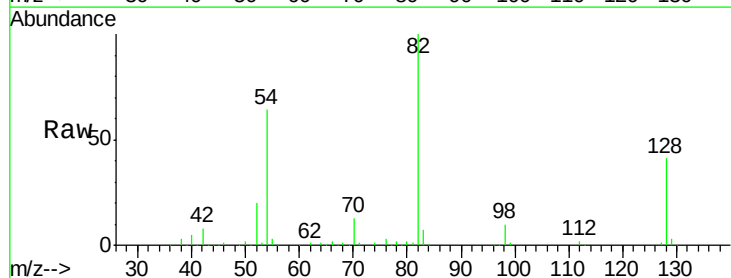
Instrument :
BNA_F
ClientSampleId :
DCW-WC-038-111214

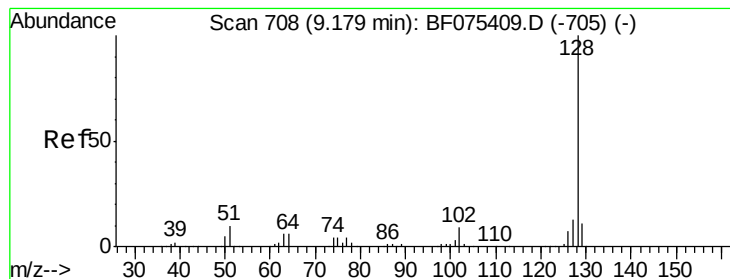
Tgt Ion:	136	Resp:	197732
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	8.9	6.2	9.4
68	5.6	3.4	5.2#



#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

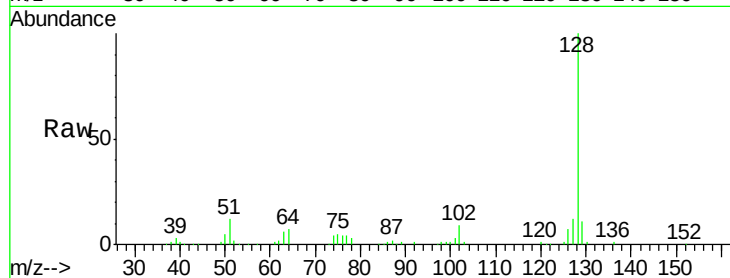
Tgt Ion:128 Resp: 210678

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

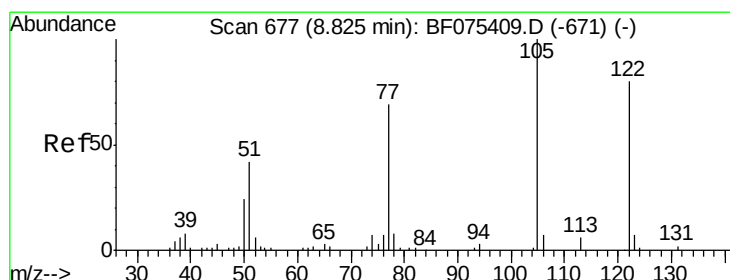
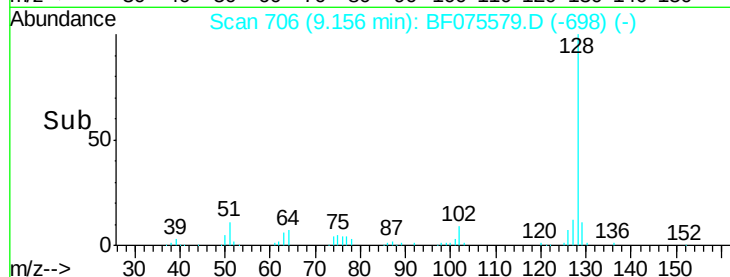
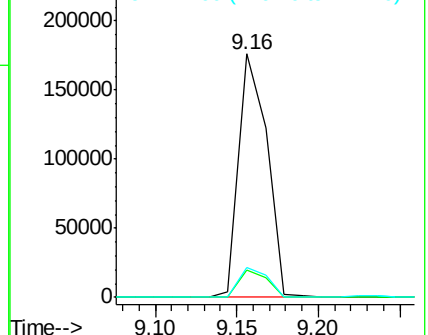
127 12.0 10.2 15.4



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



#32

Benzoic acid

Concen: 2.14 ng

RT: 8.88 min Scan# 682

Delta R.T. 0.05 min

Lab File: BF075579.D

Acq: 16 Nov 2014 12:39

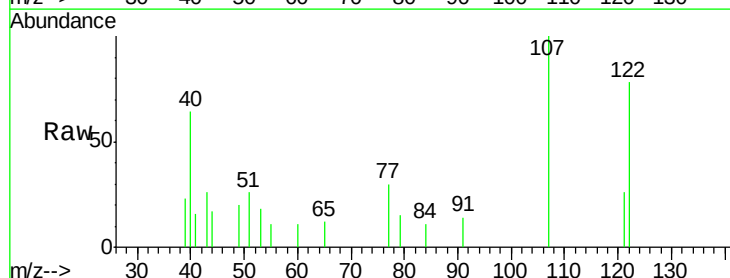
Tgt Ion:122 Resp: 3574

Ion Ratio Lower Upper

122 100

105 0.0 95.1 135.1#

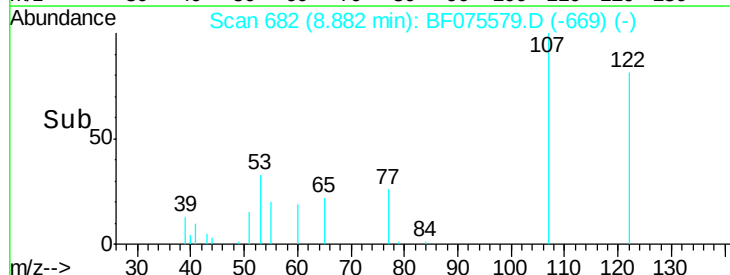
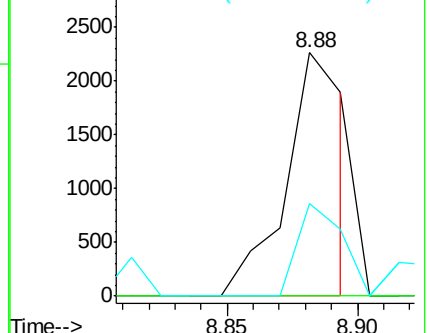
77 38.3 62.6 102.6#

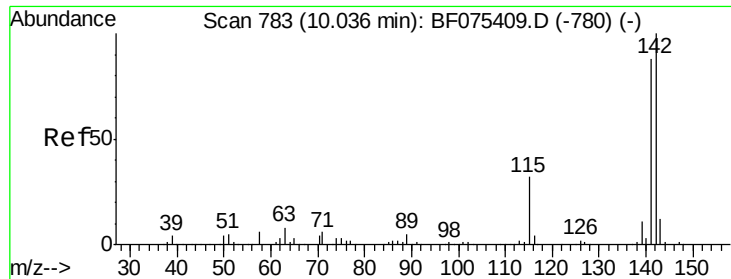


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

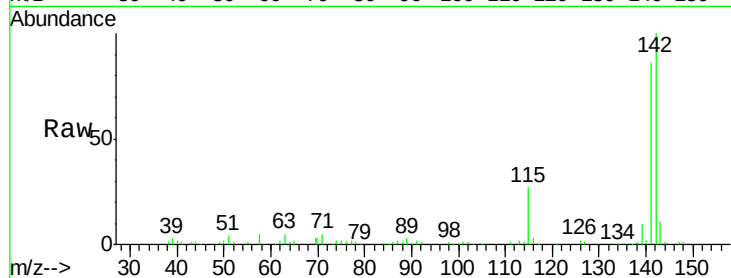




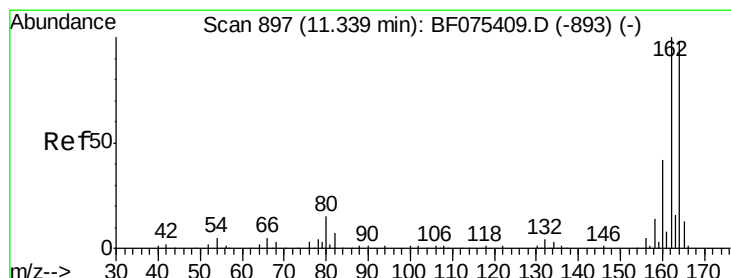
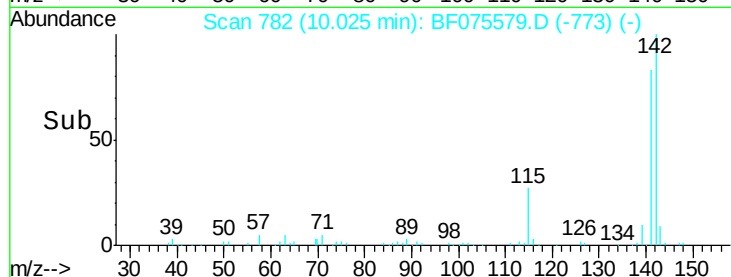
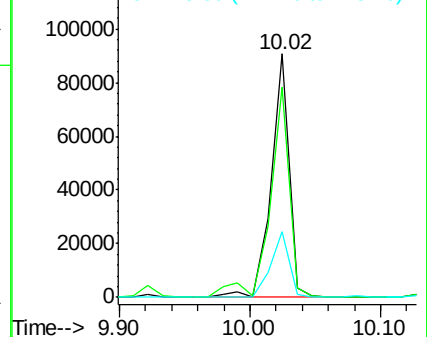
#37
 2-Methylnaphthalene
 Concen: 14.62 ng
 RT: 10.02 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

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

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#

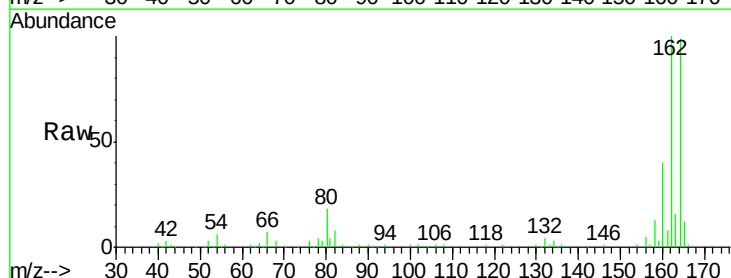


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

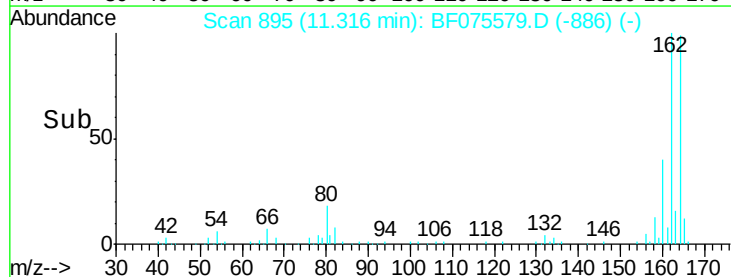
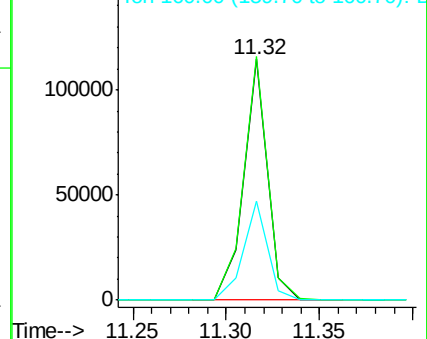


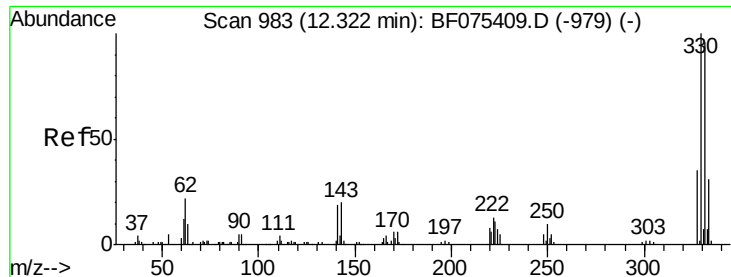
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

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

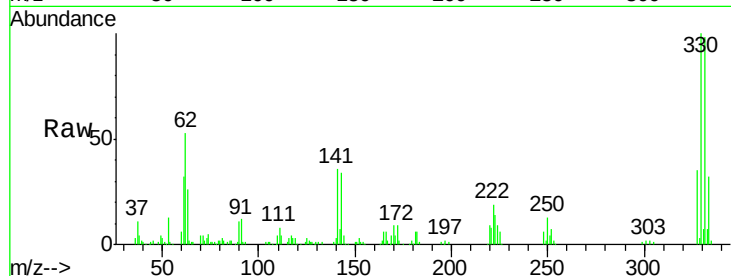




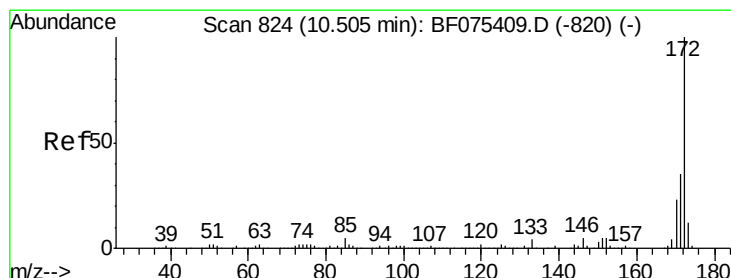
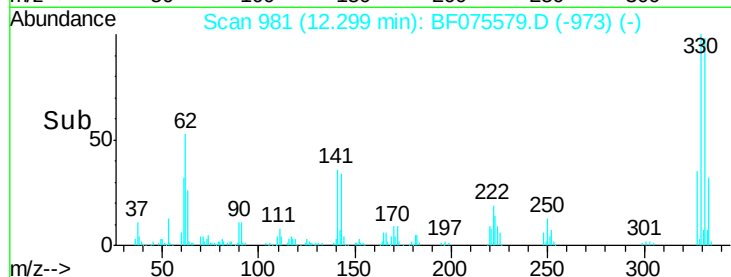
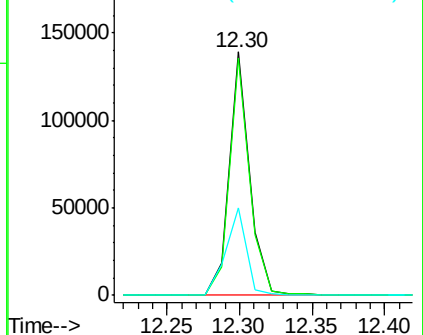
#41
 2,4,6-Tribromophenol
 Concen: 158.20 ng
 RT: 12.30 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

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

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

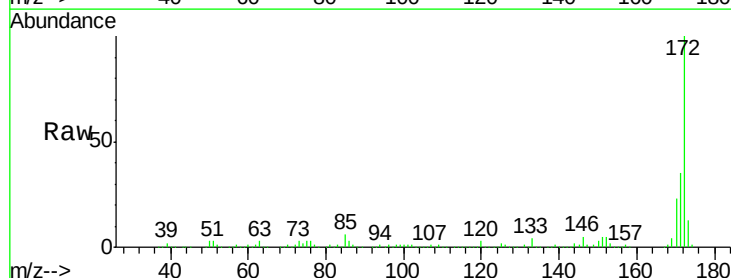


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

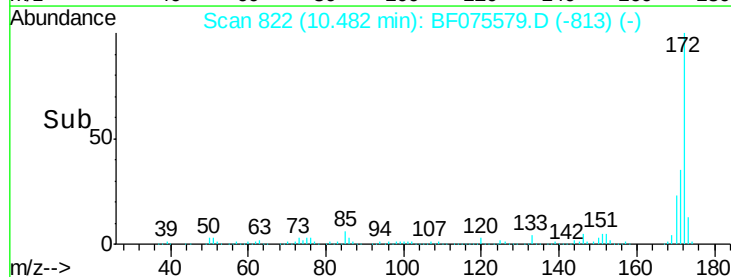
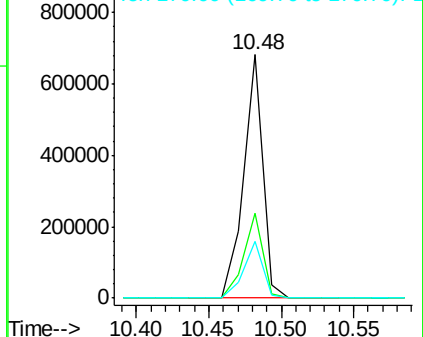


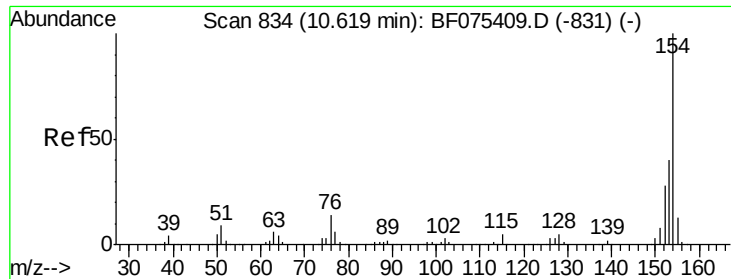
#44
 2-Fluorobiphenyl
 Concen: 110.14 ng
 RT: 10.48 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

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



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

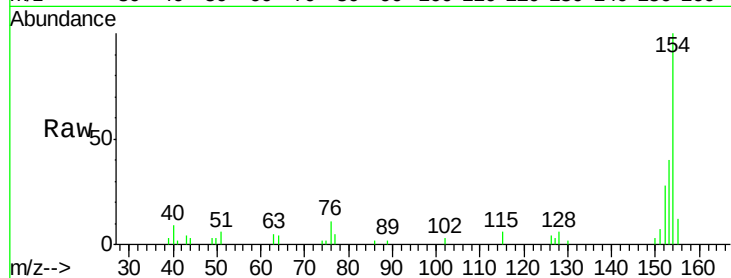




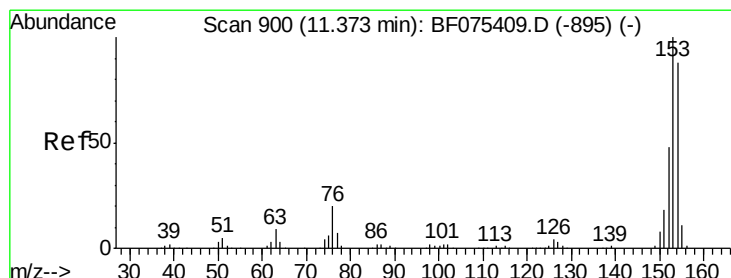
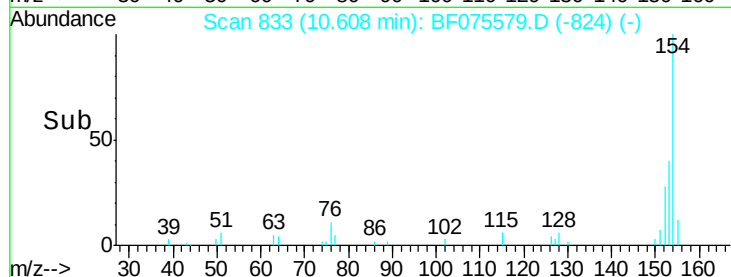
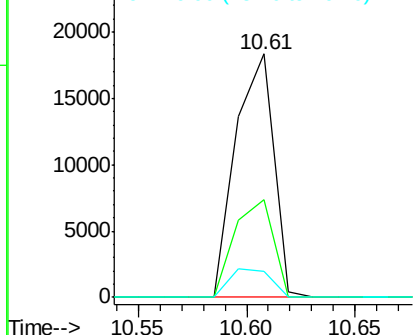
#45
 1,1'-Biphenyl
 Concen: 3.22 ng
 RT: 10.61 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

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

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

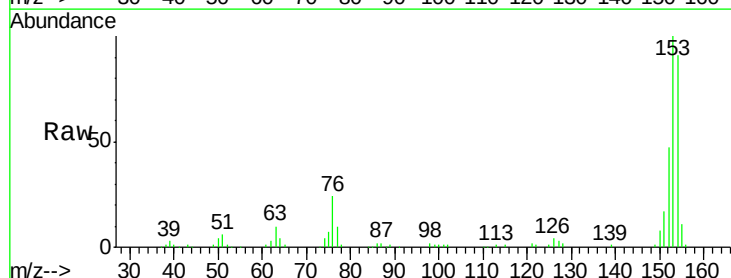


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

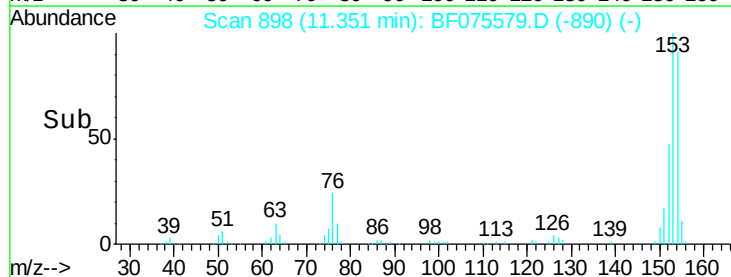
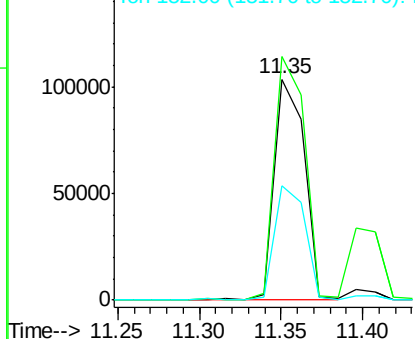


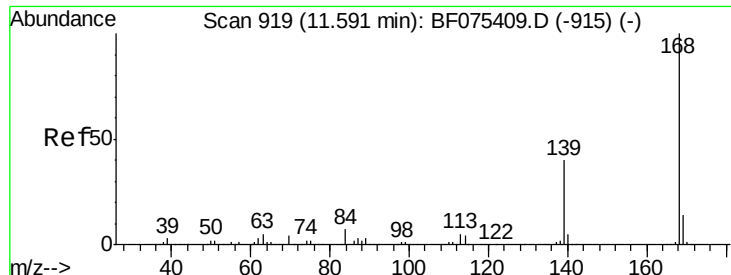
#51
 Acenaphthene
 Concen: 24.70 ng
 RT: 11.35 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF075579.D
 Acq: 16 Nov 2014 12:39

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

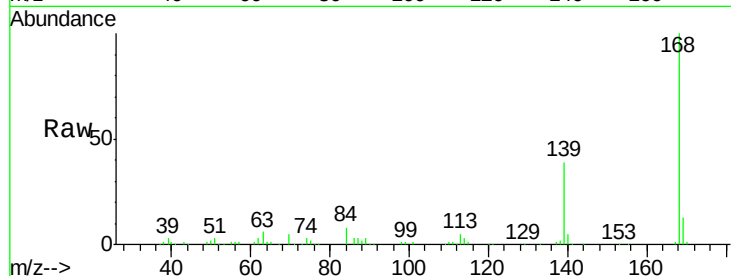




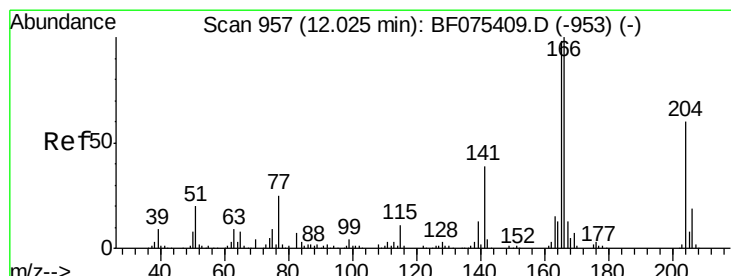
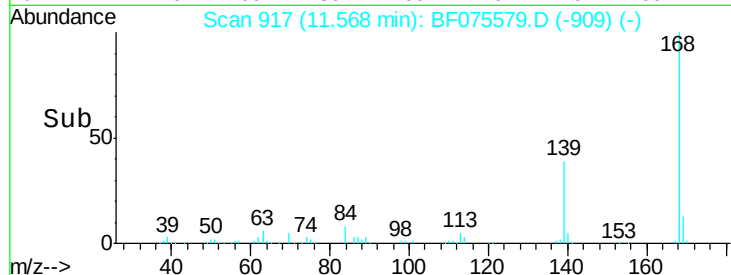
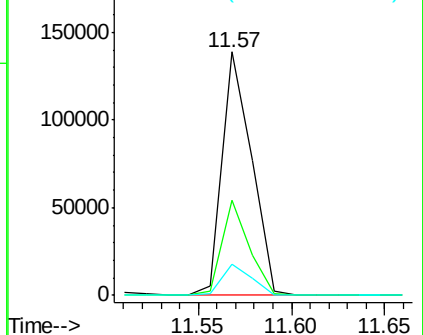
#54
Dibenzenofuran
Concen: 19.95 ng
RT: 11.57 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF075579.D
Acq: 16 Nov 2014 12:39

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

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

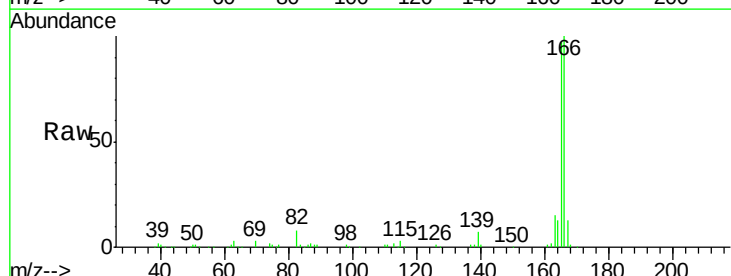


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

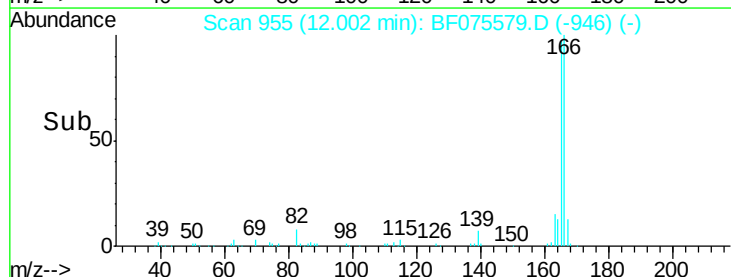
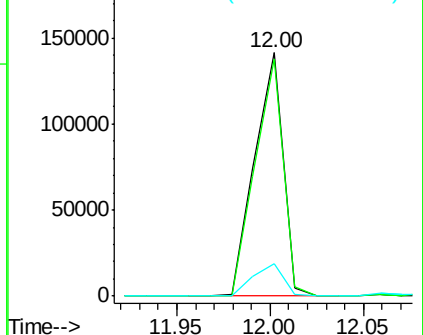


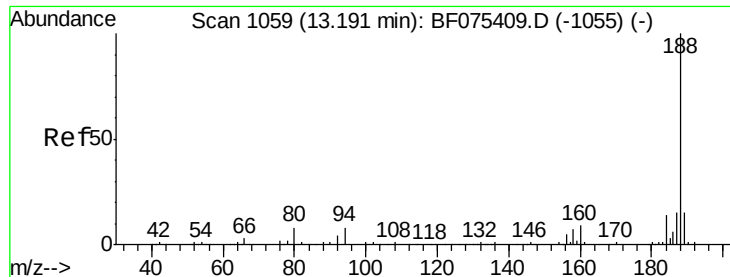
#57
Fluorene
Concen: 24.44 ng
RT: 12.00 min Scan# 955
Delta R.T. -0.00 min
Lab File: BF075579.D
Acq: 16 Nov 2014 12:39

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

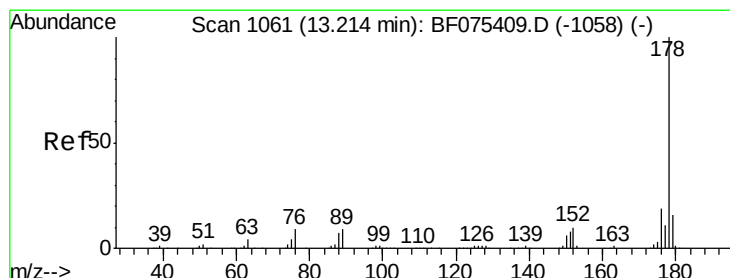
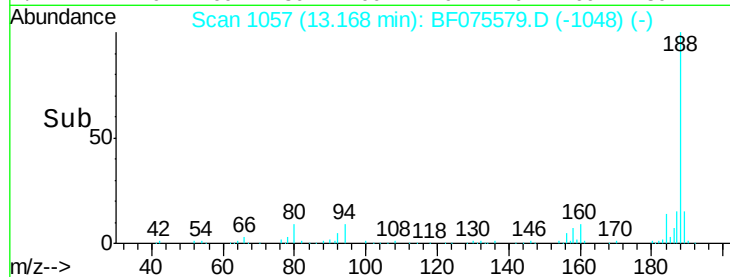
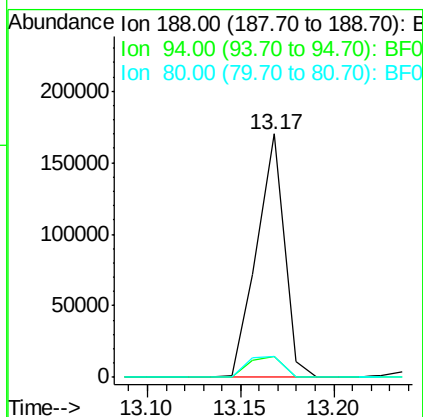
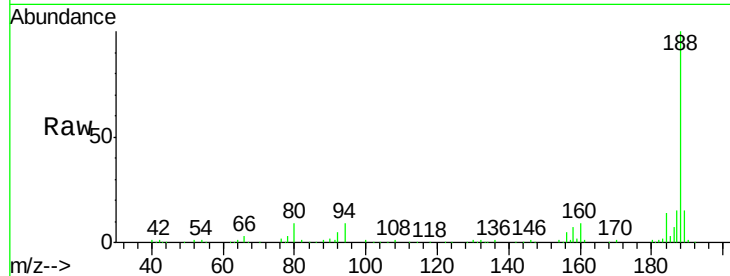




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.17 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF075579.D
Acq: 16 Nov 2014 12:39

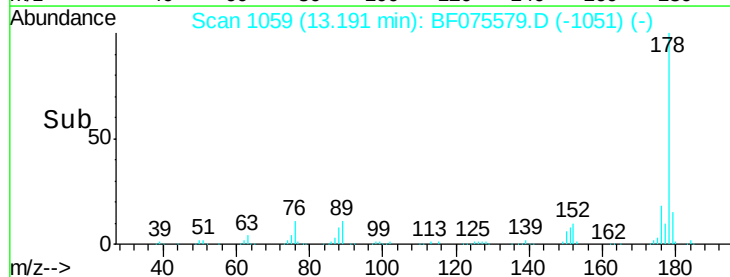
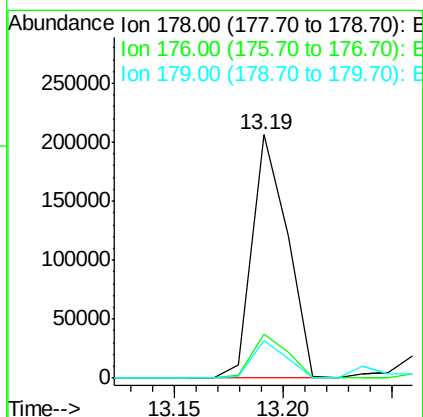
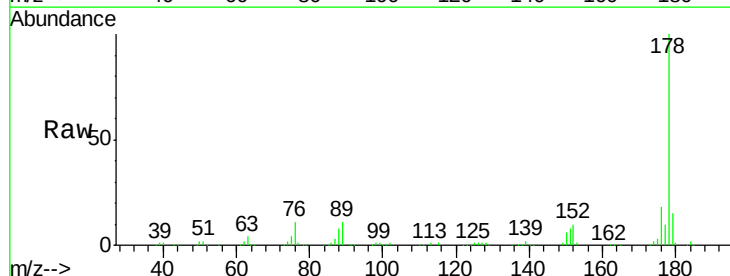
Instrument :
BNA_F
ClientSampleId :
DCW-WC-038-111214

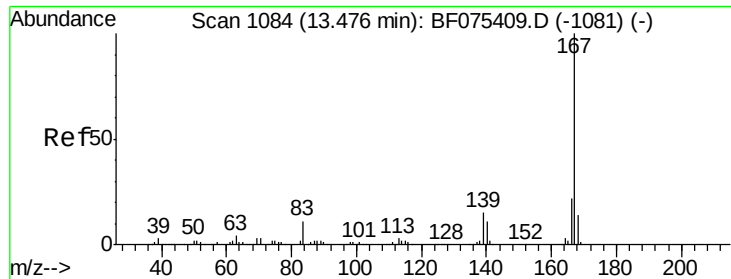
Tgt Ion:188 Resp: 174277
Ion Ratio Lower Upper
188 100
94 8.7 7.8 11.6
80 8.7 8.0 12.0



#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

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





#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

Instrument :

BNA_F

ClientSampleId :

DCW-WC-038-111214

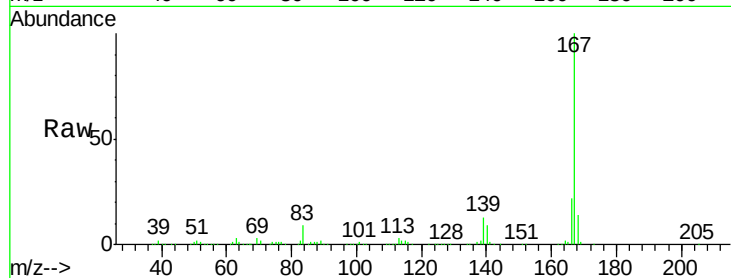
Tgt Ion:167 Resp: 640995

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.0

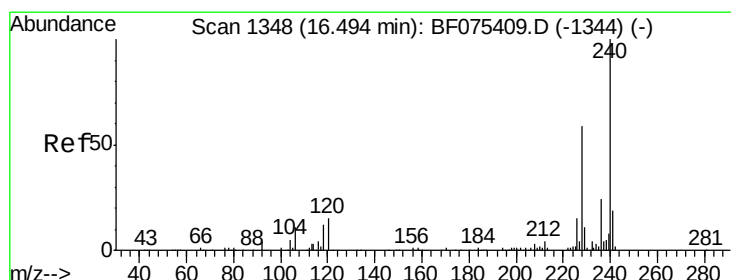
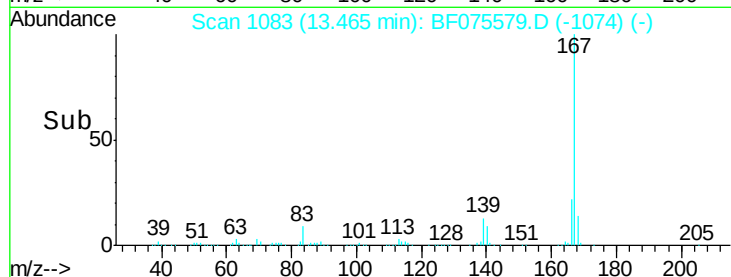
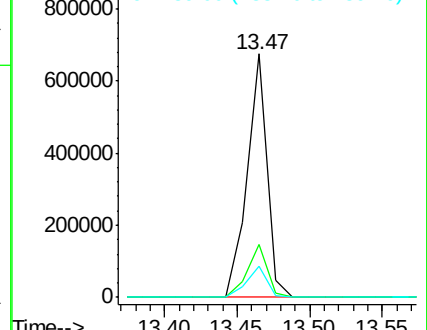
139 12.8 10.1 15.1



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

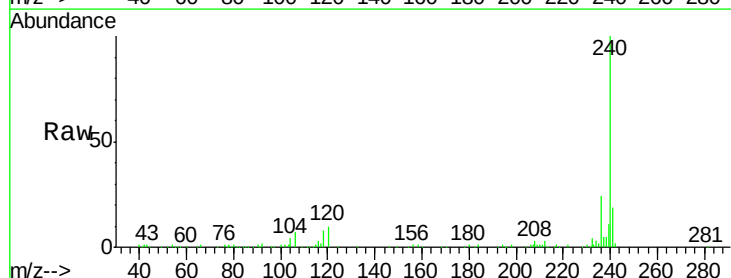
Tgt Ion:240 Resp: 180748

Ion Ratio Lower Upper

240 100

120 10.1 9.6 14.4

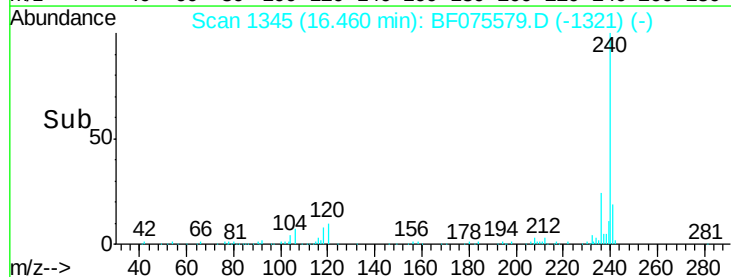
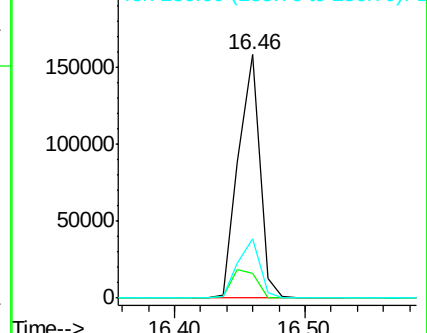
236 24.2 18.9 28.3

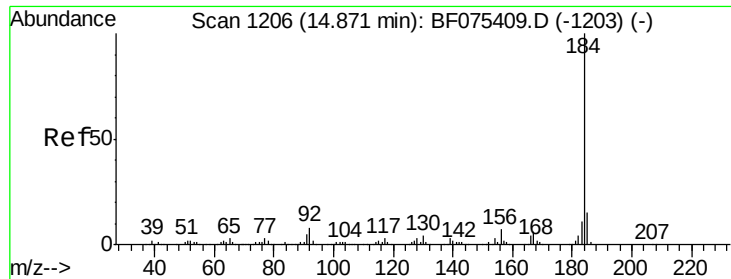


Abundance Ion 240.00 (239.70 to 240.70): E

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

Instrument :

BNA_F

ClientSampleId :

DCW-WC-038-111214

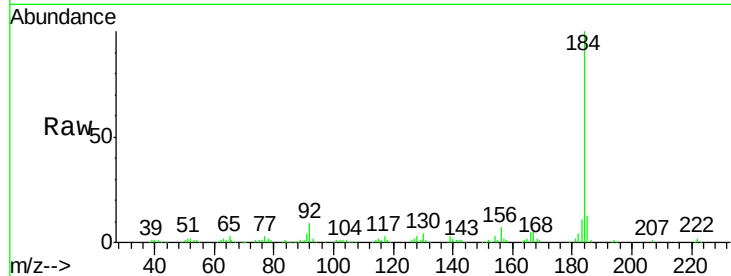
Tgt Ion:184 Resp: 176646

Ion Ratio Lower Upper

184 100

185 13.3 10.9 16.3

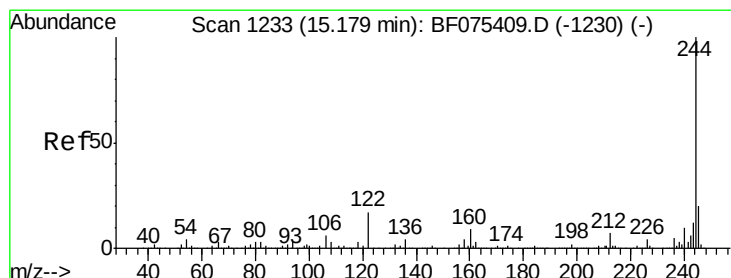
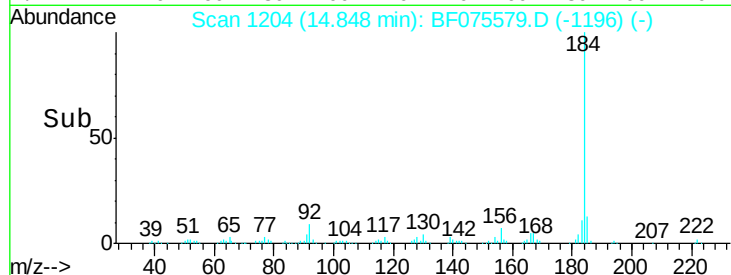
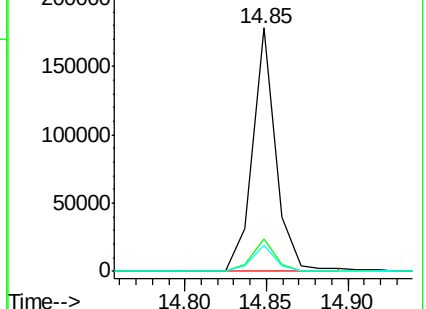
183 10.7 8.7 13.1



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

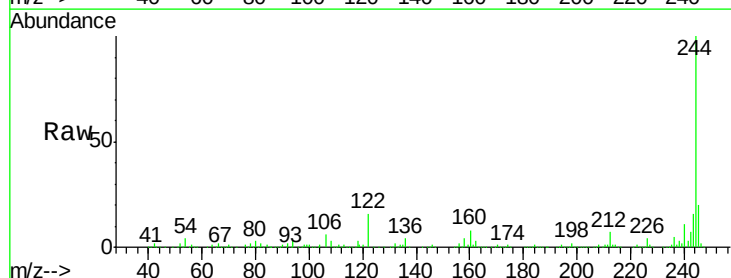
Tgt Ion:244 Resp: 665705

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

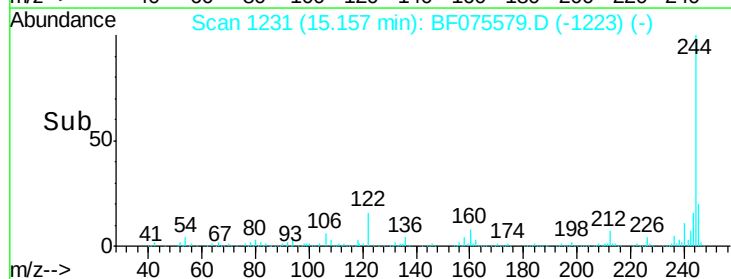
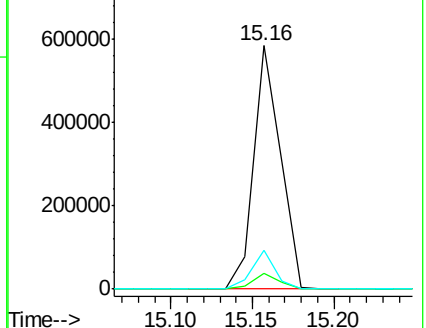
122 15.8 9.7 14.5#

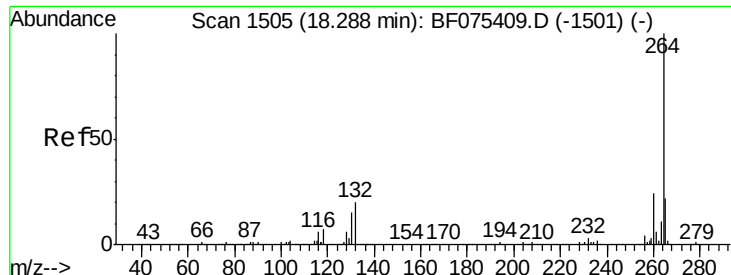


Abundance Ion 244.00 (243.70 to 244.70): E

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: 18.19 min Scan# 1496
Delta R.T. -0.10 min
Lab File: BF075579.D
Acq: 16 Nov 2014 12:39

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

Tgt Ion:	264	Resp:	183203
Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.9	26.9
265	20.4	16.3	24.5

