

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
 Data File : BF077569.D
 Acq On : 4 Mar 2015 3:22
 Operator : TP/IZ
 Sample : G1402-04DL2 100X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW41DL2

Quant Time: Mar 04 04:58:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 04:46:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.24	152	84321	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	351953	20.00	ng	0.00
38) Acenaphthene-d10	10.99	164	165375	20.00	ng	0.00
63) Phenanthrene-d10	12.83	188	344885	20.00	ng	0.00
75) Chrysene-d12	16.11	240	363539	20.00	ng	0.00
86) Perylene-d12	17.79	264	338946	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1051	0.21	ng	0.00
7) Phenol-d6	6.80	99	657	0.10	ng	0.00
23) Nitrobenzene-d5	7.92	82	1712	0.30	ng	0.00
41) 2,4,6-Tribromophenol	11.97	330	669	0.42	ng	0.00
44) 2-Fluorobiphenyl	10.16	172	3965	0.37	ng	0.00
78) Terphenyl-d14	14.82	244	5568	0.36	ng	0.00

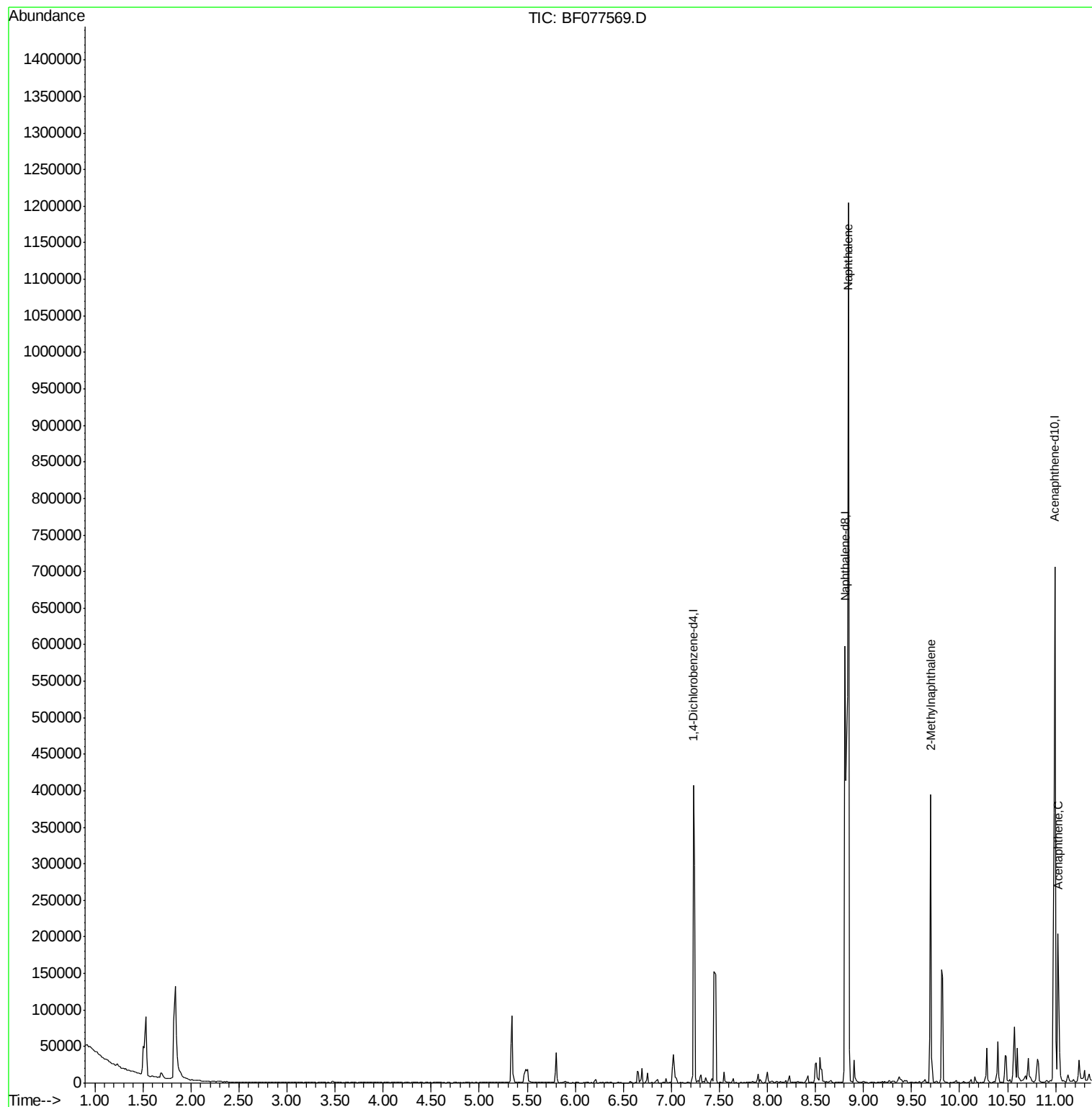
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.84	128	614381	34.91	ng	99
37) 2-Methylnaphthalene	9.70	142	105167	8.41	ng	97
51) Acenaphthene	11.03	154	44691	4.81	ng	98
57) Fluorene	11.66	166	38443	3.35	ng	99
70) Phenanthrene	12.86	178	156706	7.84	ng	98
71) Anthracene	12.92	178	45497	2.29	ng	96
74) Fluoranthene	14.33	202	61706	2.83	ng	96
77) Pyrene	14.61	202	97262	4.37	ng	99

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077569.D
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Operator : TP/IZ
Sample : G1402-04DL2 100X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW41DL2

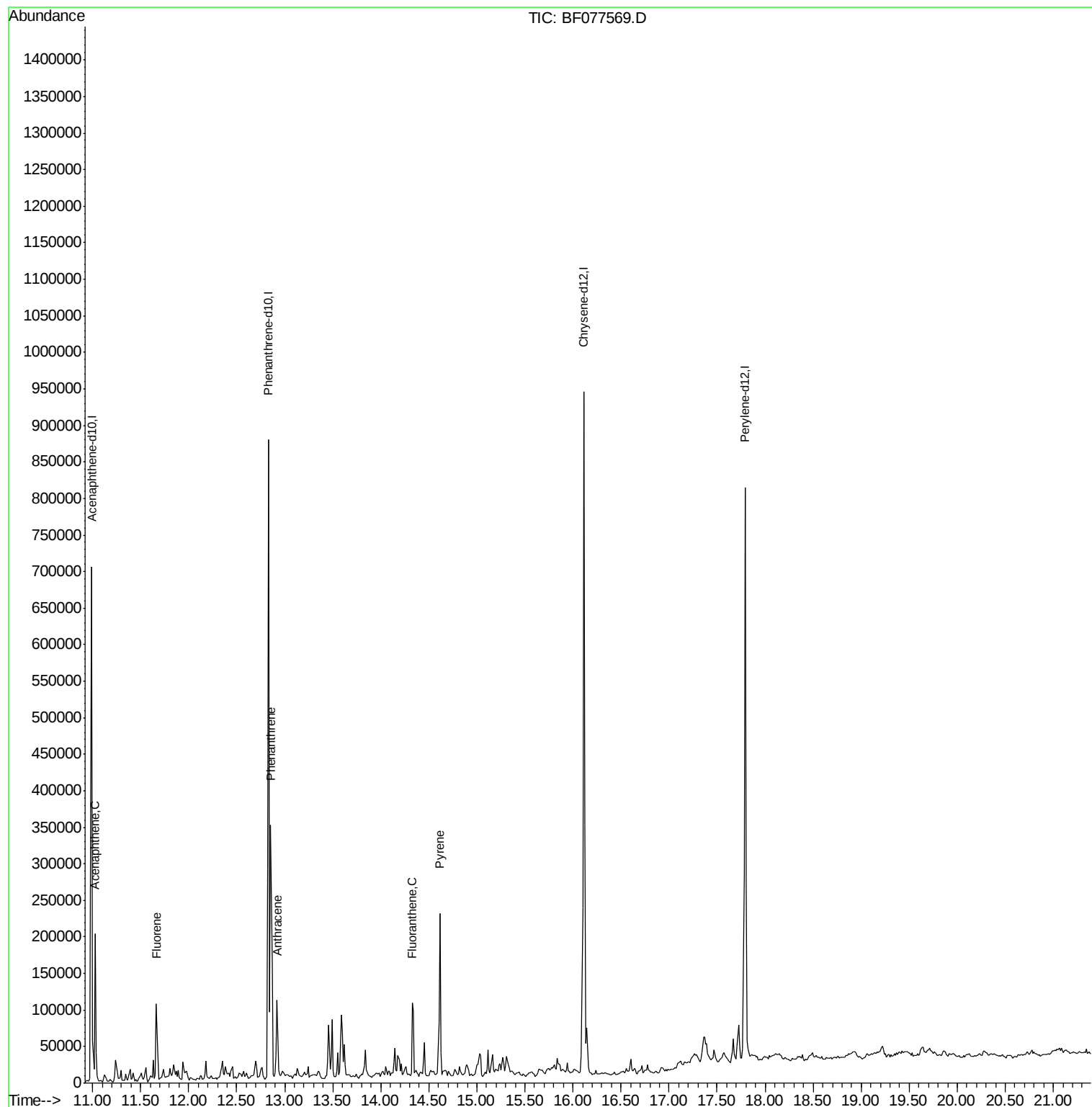
Quant Time: Mar 04 04:58:39 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 04:46:40 2015
Response via : Initial Calibration

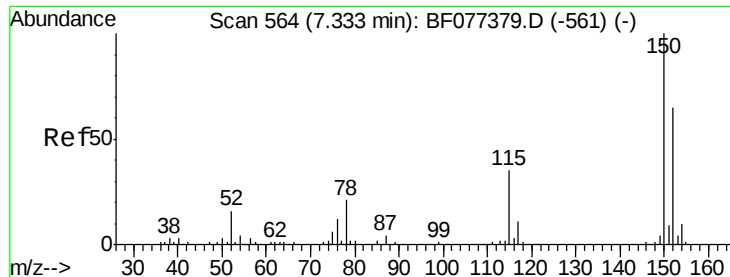


Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030315\
Data File : BF077569.D
Acq On : 4 Mar 2015 3:22
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Quant Time: Mar 04 04:58:39 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 04:46:40 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.24 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

Instrument :

BNA_F

ClientSampleId :

MW41DL2

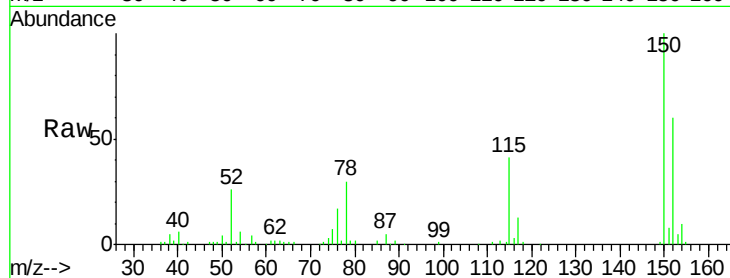
Tgt Ion:152 Resp: 84321

Ion Ratio Lower Upper

152 100

150 166.9 124.0 186.0

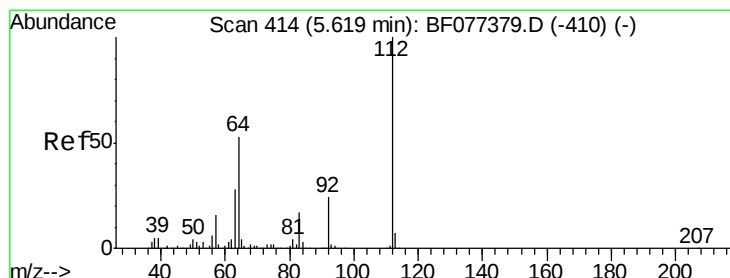
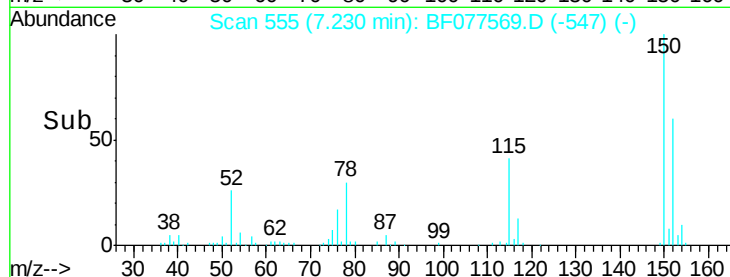
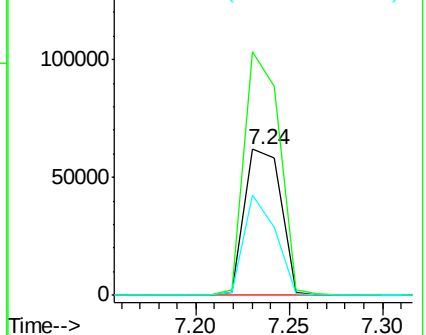
115 68.6 49.4 74.2



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: 0.21 ng

RT: 5.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

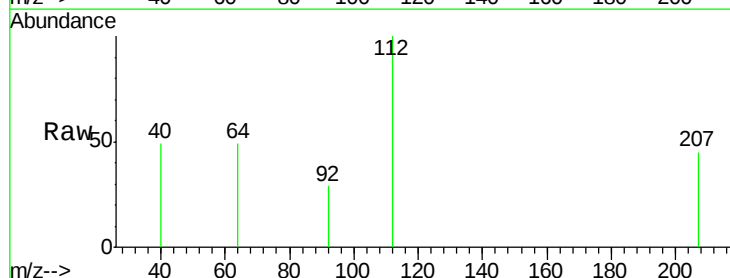
Tgt Ion:112 Resp: 1051

Ion Ratio Lower Upper

112 100

64 48.9 48.5 72.7

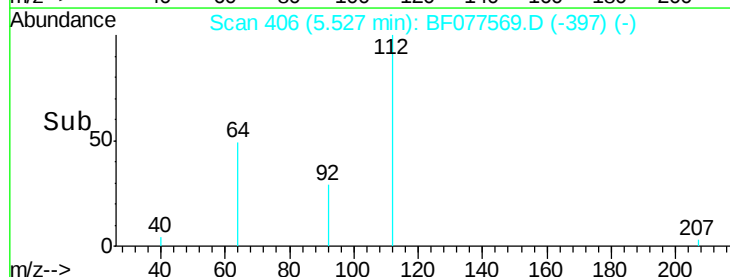
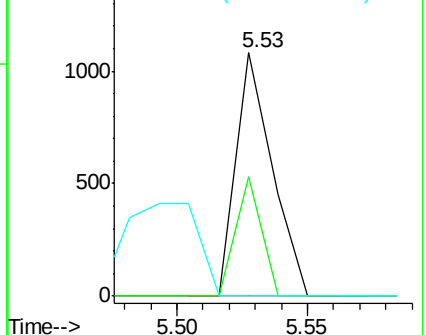
63 0.0 25.0 37.4#

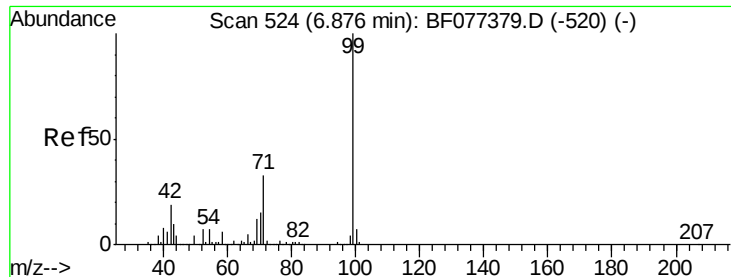


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.10 ng

RT: 6.80 min Scan# 517

Delta R.T. -0.00 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

Instrument :

BNA_F

ClientSampleId :

MW41DL2

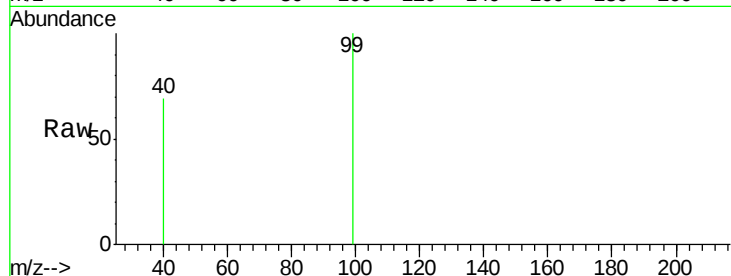
Tgt Ion: 99 Resp: 657

Ion Ratio Lower Upper

99 100

42 0.0 16.2 24.4#

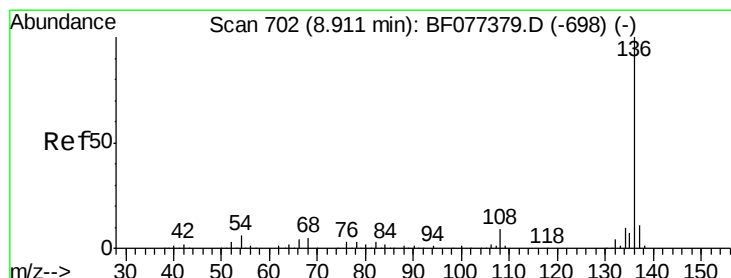
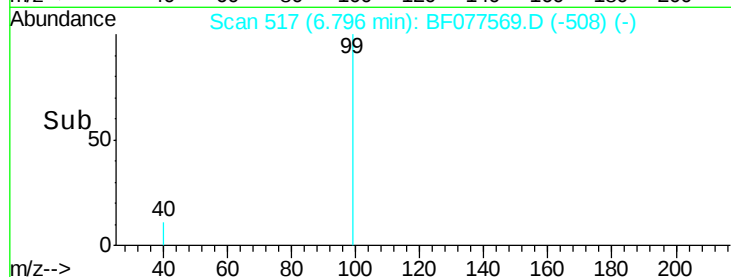
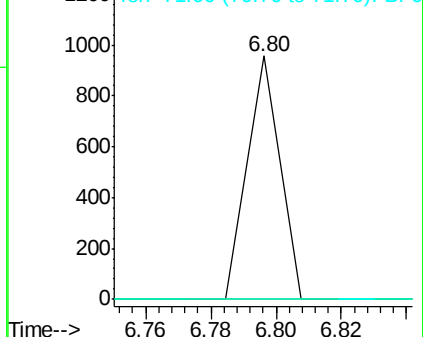
71 0.0 26.7 40.1#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.81 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

Tgt Ion: 136 Resp: 351953

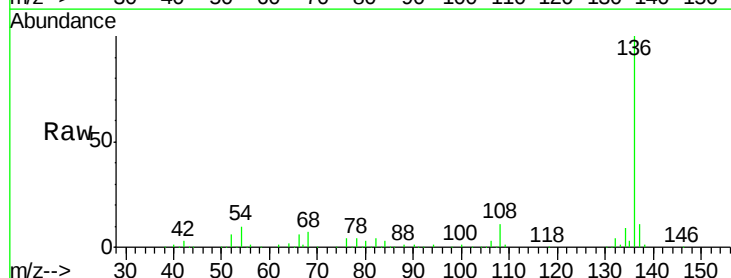
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 9.6 6.2 9.4#

68 7.4 5.0 7.6

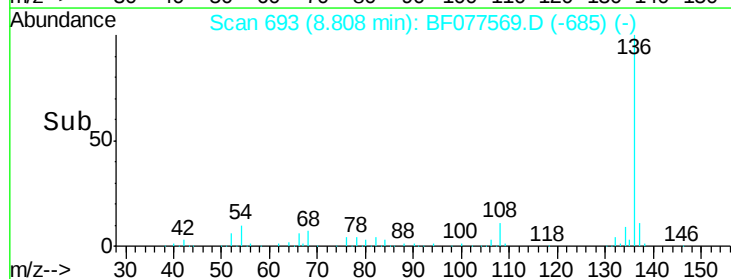
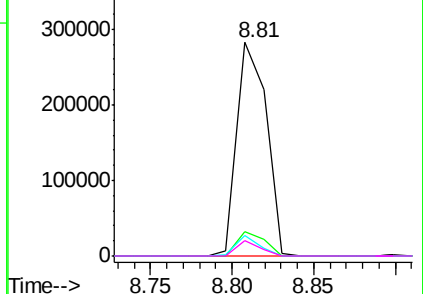


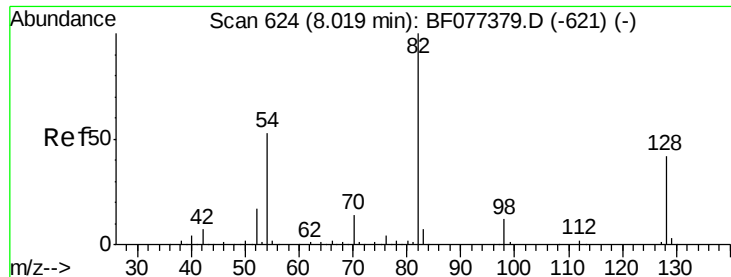
Abundance Ion 136.00 (135.70 to 136.70): E

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

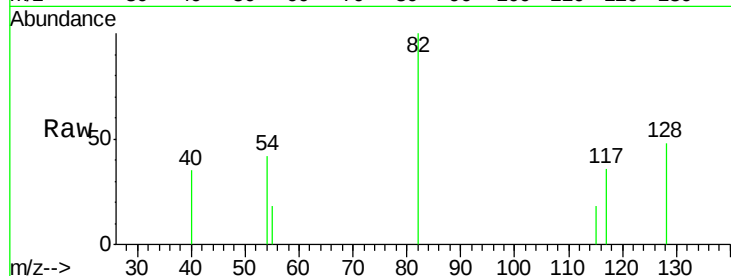




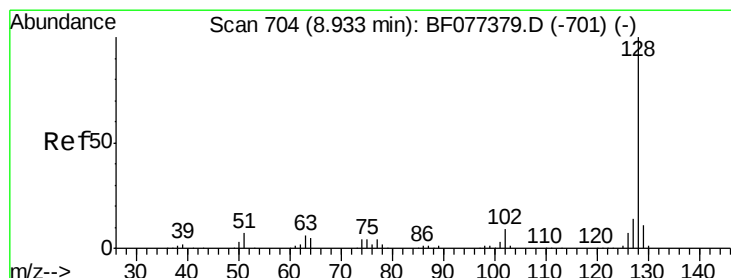
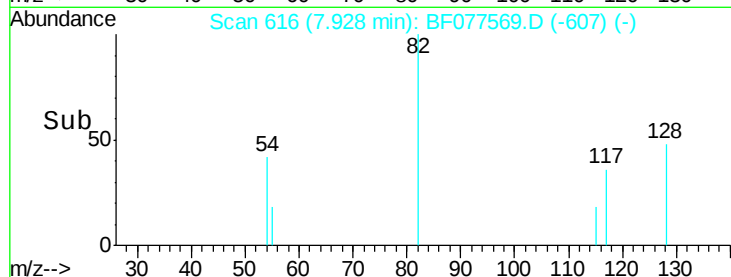
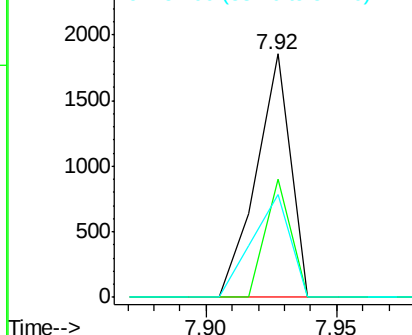
#23
Nitrobenzene-d5
Concen: 0.30 ng
RT: 7.92 min Scan# 616
Delta R.T. -0.00 min
Lab File: BF077569.D
Acq: 4 Mar 2015 3:22

Instrument :
BNA_F
ClientSampleId :
MW41DL2

Tgt Ion: 82 Resp: 1712
Ion Ratio Lower Upper
82 100
128 48.3 43.8 65.8
54 42.4 36.7 55.1

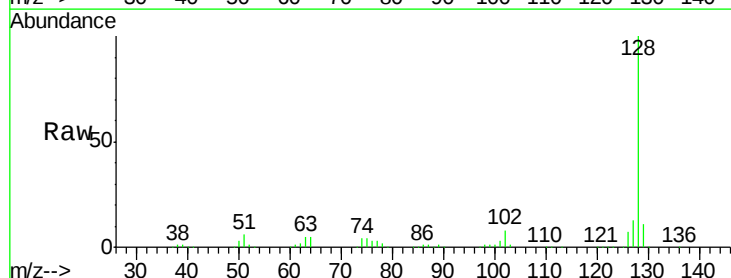


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

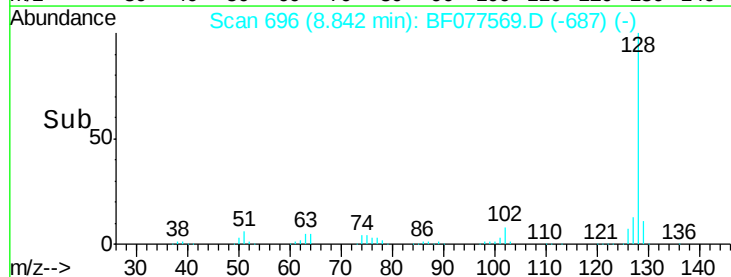
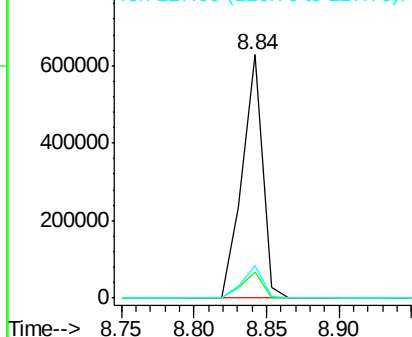


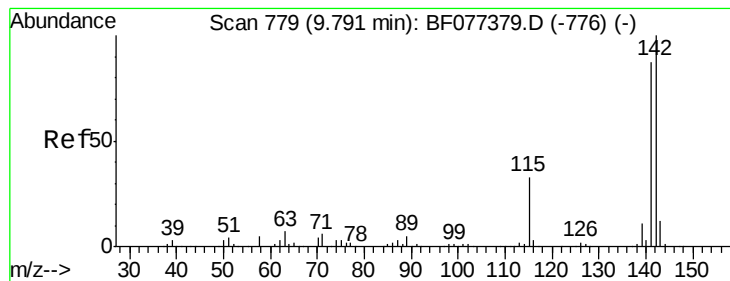
#31
Naphthalene
Concen: 34.91 ng
RT: 8.84 min Scan# 696
Delta R.T. -0.00 min
Lab File: BF077569.D
Acq: 4 Mar 2015 3:22

Tgt Ion: 128 Resp: 614381
Ion Ratio Lower Upper
128 100
129 10.9 9.4 14.0
127 13.2 10.6 15.8



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

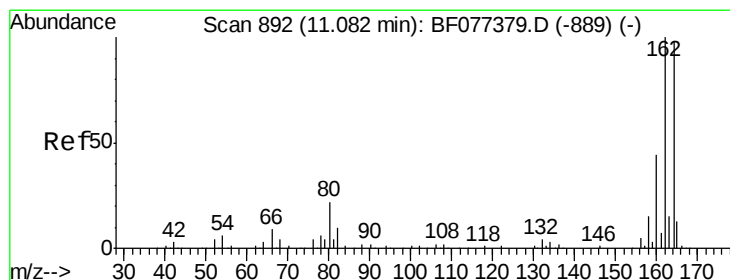
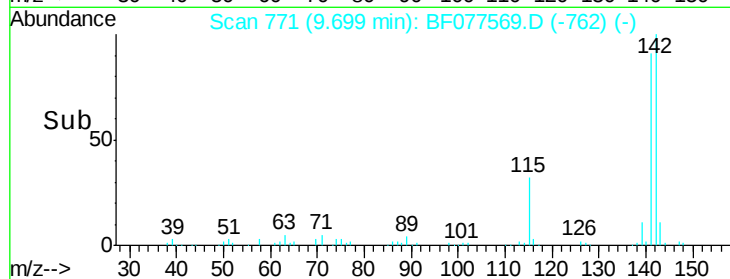
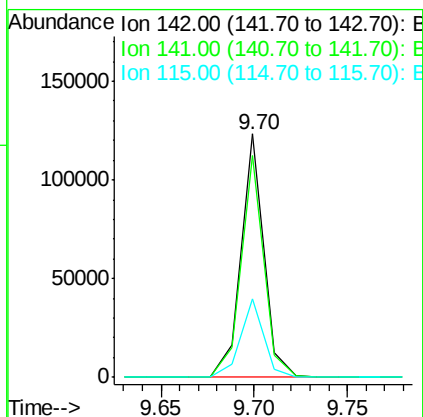
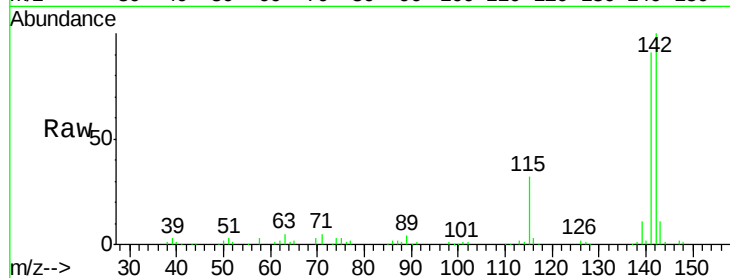




#37
 2-Methylnaphthalene
 Concen: 8.41 ng
 RT: 9.70 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: BF077569.D
 Acq: 4 Mar 2015 3:22

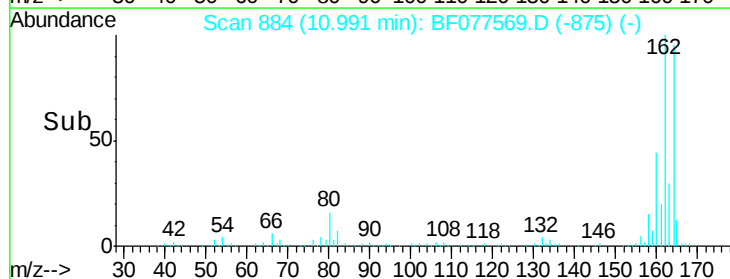
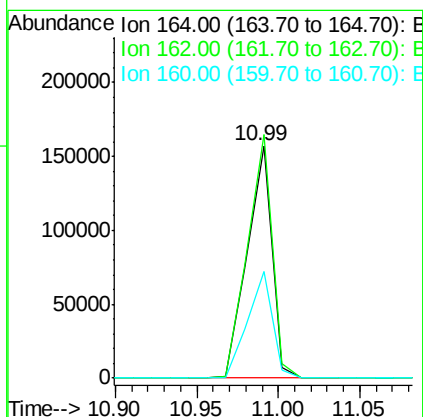
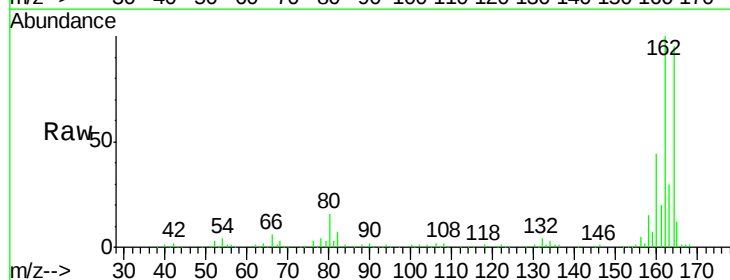
Instrument :
 BNA_F
 ClientSampleId :
 MW41DL2

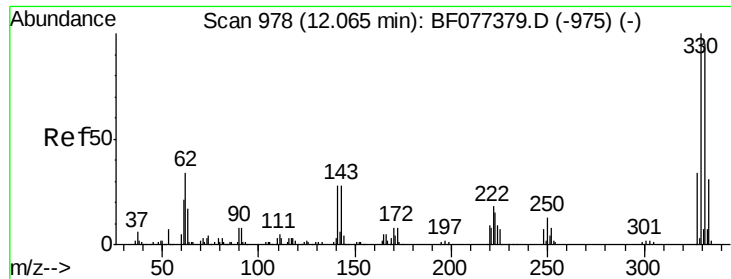
Tgt Ion:142 Resp: 105167
 Ion Ratio Lower Upper
 142 100
 141 91.3 70.7 106.1
 115 32.1 24.2 36.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: BF077569.D
 Acq: 4 Mar 2015 3:22

Tgt Ion:164 Resp: 165375
 Ion Ratio Lower Upper
 164 100
 162 104.7 83.2 124.8
 160 45.9 34.6 52.0

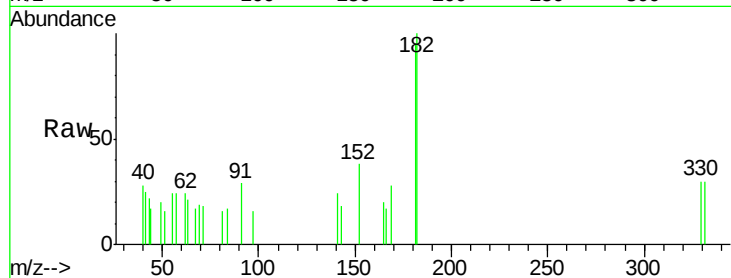




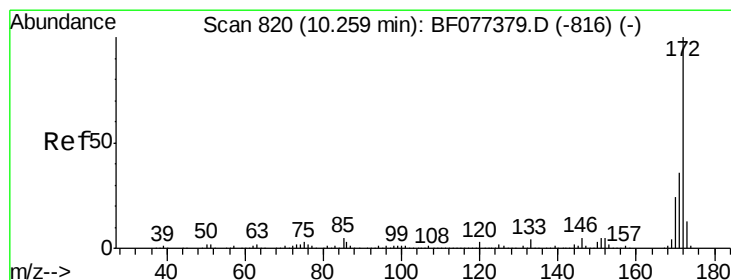
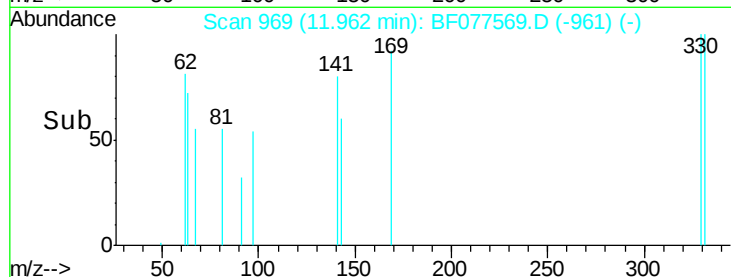
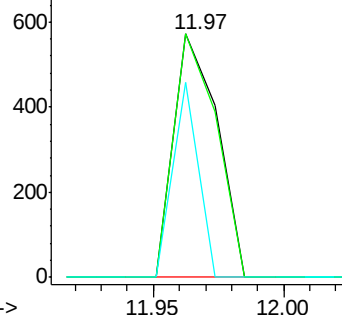
#41
 2,4,6-Tribromophenol
 Concen: 0.42 ng
 RT: 11.97 min Scan# 969
 Delta R.T. -0.00 min
 Lab File: BF077569.D
 Acq: 4 Mar 2015 3:22

Instrument :
 BNA_F
 ClientSampleId :
 MW41DL2

Tgt Ion:330 Resp: 669
 Ion Ratio Lower Upper
 330 100
 332 98.7 77.4 116.2
 141 47.1 28.8 43.2#

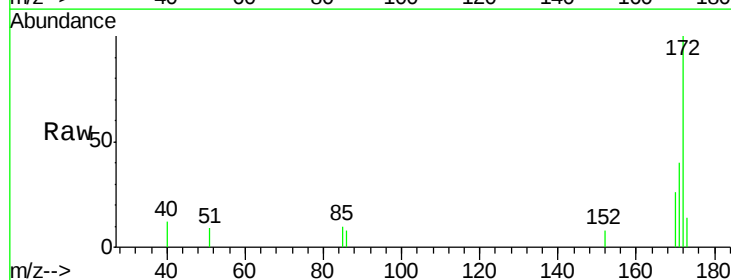


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

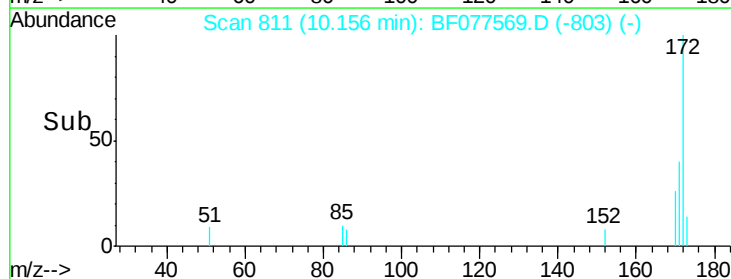
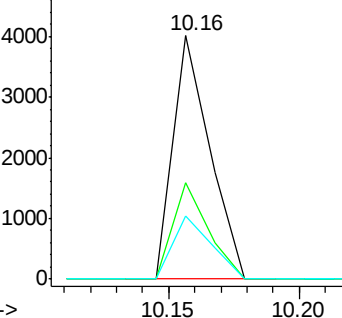


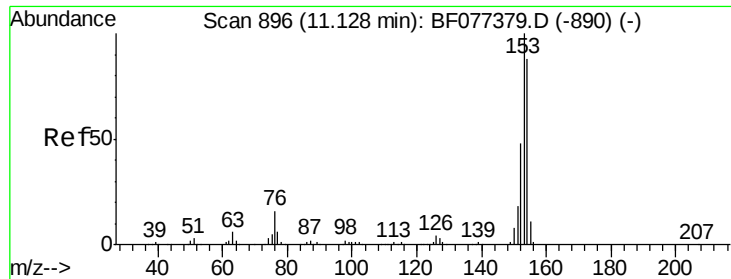
#44
 2-Fluorobiphenyl
 Concen: 0.37 ng
 RT: 10.16 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF077569.D
 Acq: 4 Mar 2015 3:22

Tgt Ion:172 Resp: 3965
 Ion Ratio Lower Upper
 172 100
 171 39.5 28.9 43.3
 170 25.7 19.4 29.2



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: 4.81 ng

RT: 11.03 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

Instrument :

BNA_F

ClientSampleId :

MW41DL2

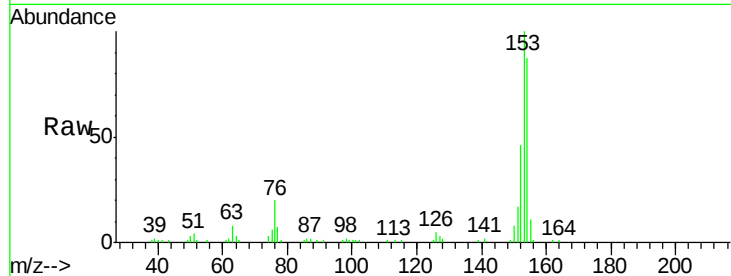
Tgt Ion:154 Resp: 44691

Ion Ratio Lower Upper

154 100

153 115.2 90.5 135.7

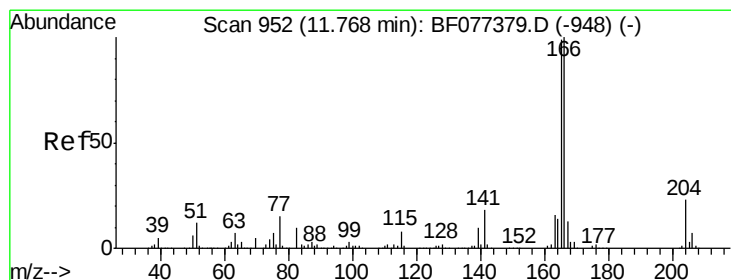
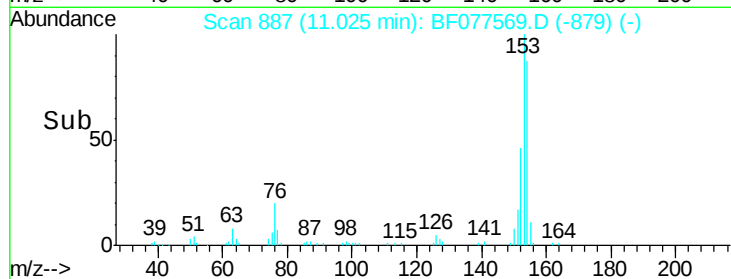
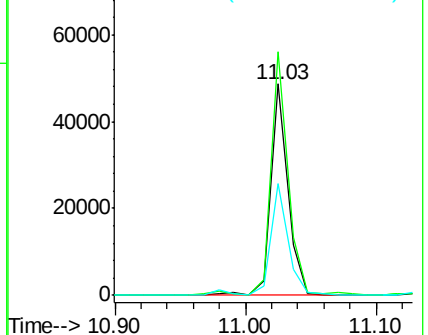
152 52.9 43.5 65.3



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



#57

Fluorene

Concen: 3.35 ng

RT: 11.66 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

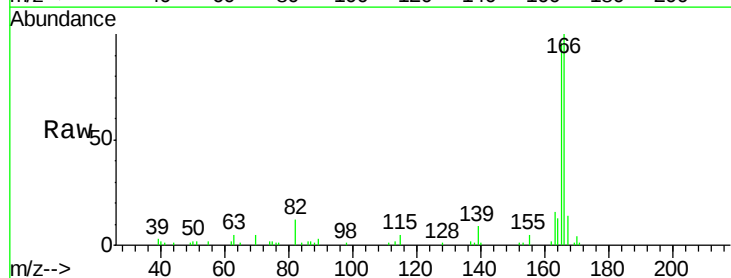
Tgt Ion:166 Resp: 38443

Ion Ratio Lower Upper

166 100

165 95.7 77.6 116.4

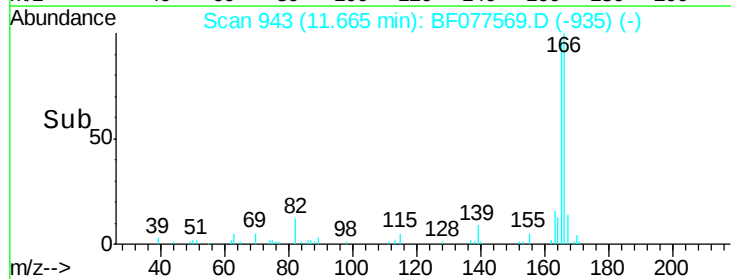
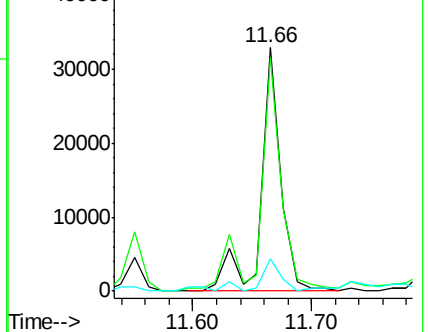
167 13.5 10.6 16.0

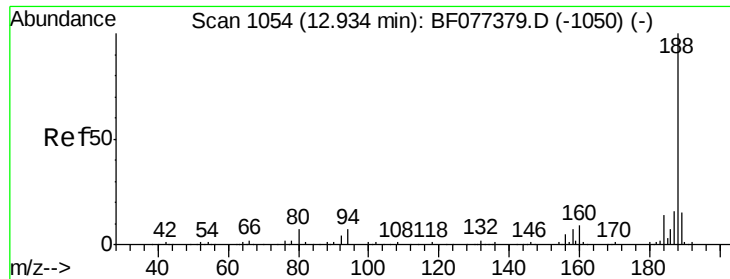


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

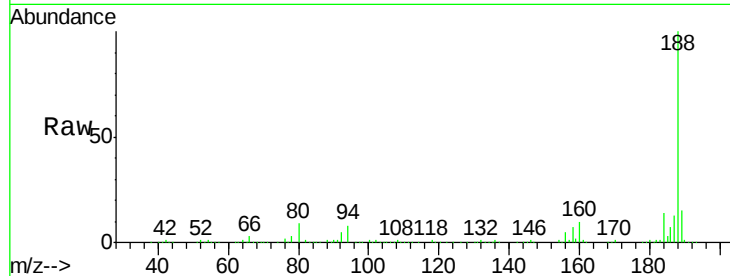




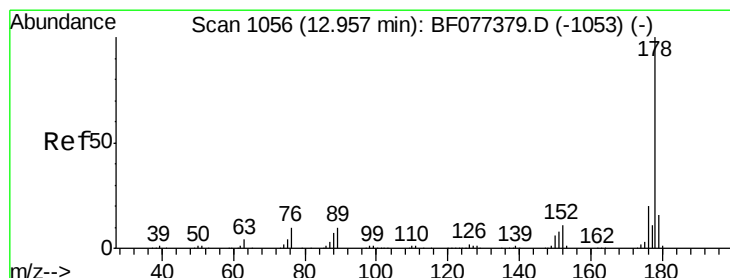
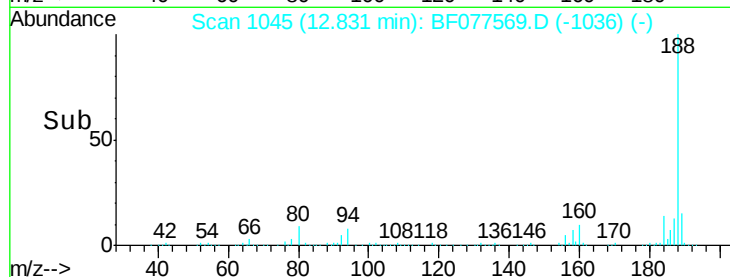
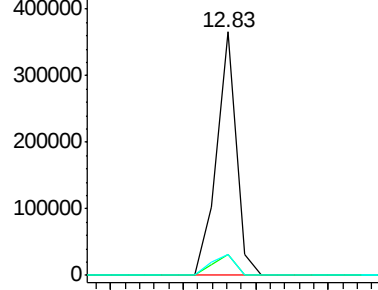
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF077569.D
Acq: 4 Mar 2015 3:22

Instrument :
BNA_F
ClientSampleId :
MW41DL2

Tgt Ion:188 Resp: 344885
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 8.8 8.0 12.0

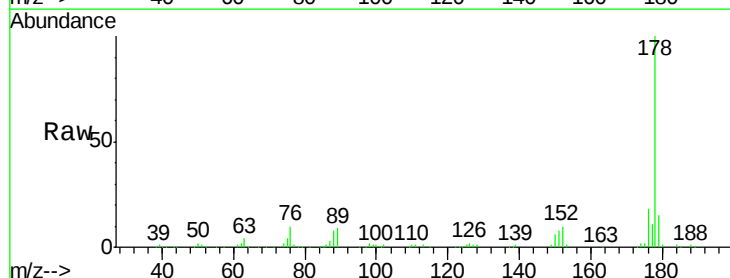


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

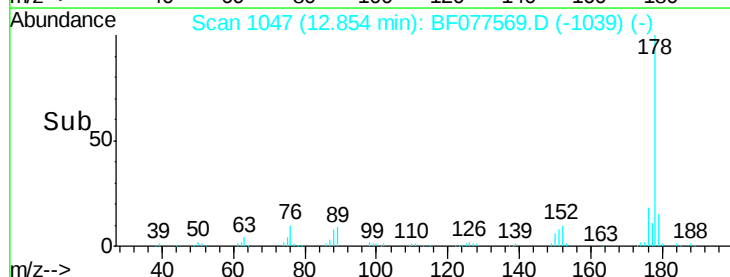
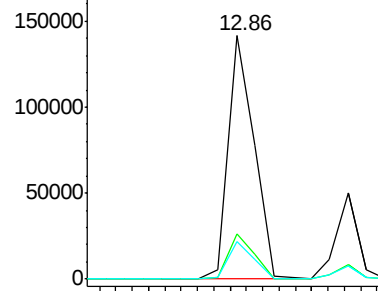


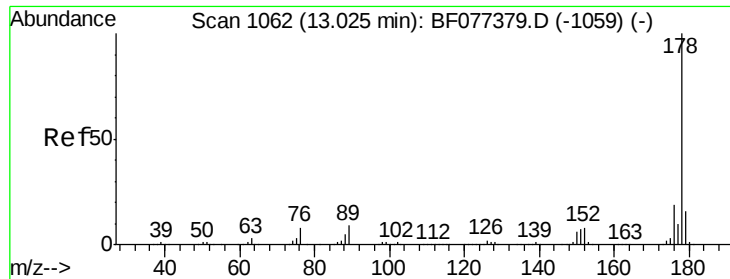
#70
Phenanthrene
Concen: 7.84 ng
RT: 12.86 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF077569.D
Acq: 4 Mar 2015 3:22

Tgt Ion:178 Resp: 156706
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.5 12.2 18.2



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

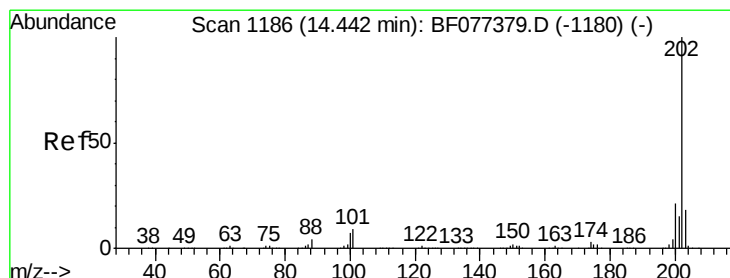
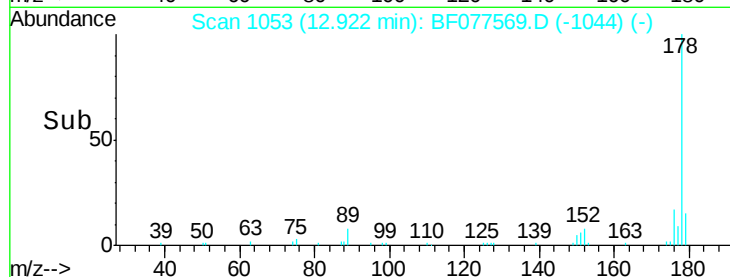
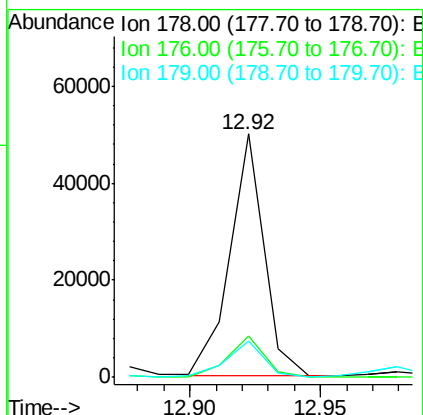
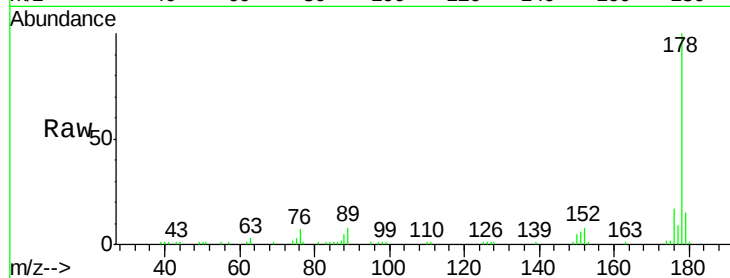




#71
 Anthracene
 Concen: 2.29 ng
 RT: 12.92 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF077569.D
 Acq: 4 Mar 2015 3:22

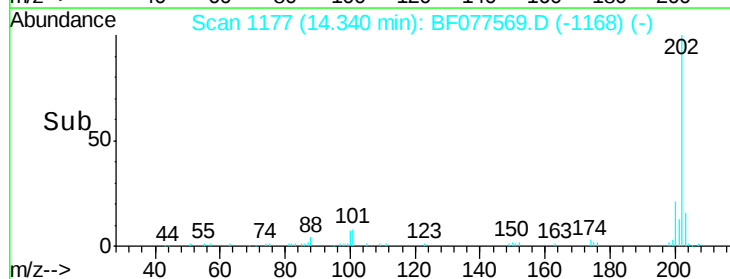
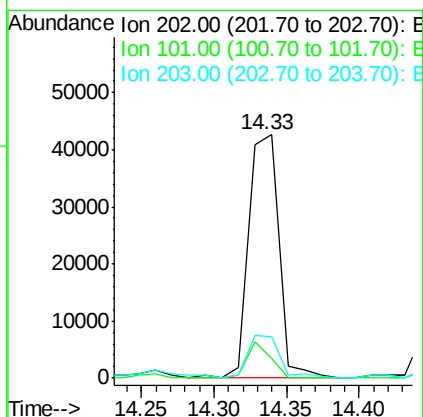
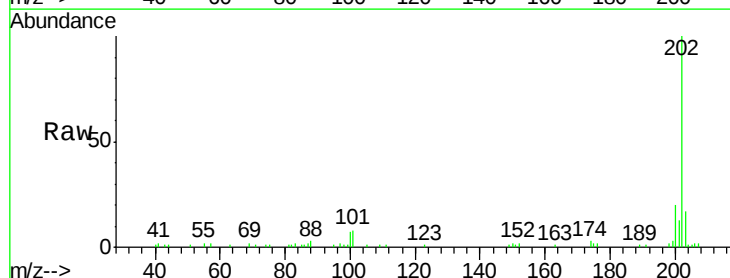
Instrument :
 BNA_F
 ClientSampleId :
 MW41DL2

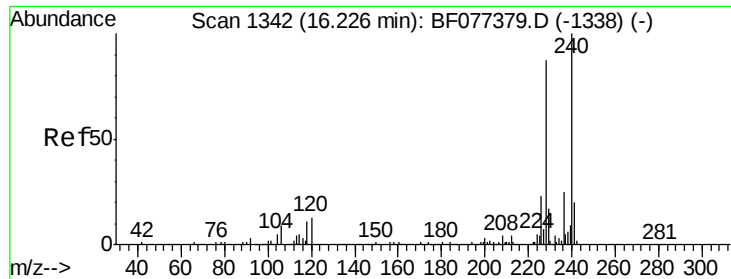
Tgt Ion:178 Resp: 45497
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.4 23.0
 179 14.9 12.9 19.3



#74
 Fluoranthene
 Concen: 2.83 ng
 RT: 14.33 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: BF077569.D
 Acq: 4 Mar 2015 3:22

Tgt Ion:202 Resp: 61706
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 30.8
 203 17.0 0.0 37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.11 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

Instrument :

BNA_F

ClientSampleId :

MW41DL2

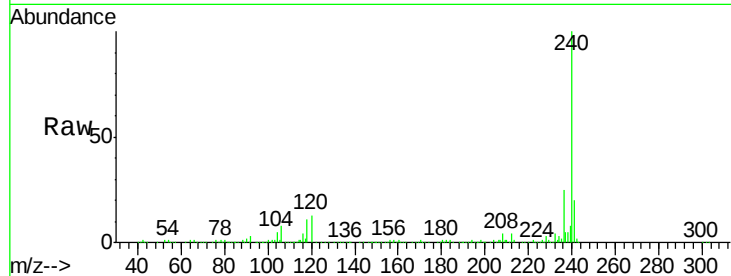
Tgt Ion:240 Resp: 363539

Ion Ratio Lower Upper

240 100

120 12.6 8.8 13.2

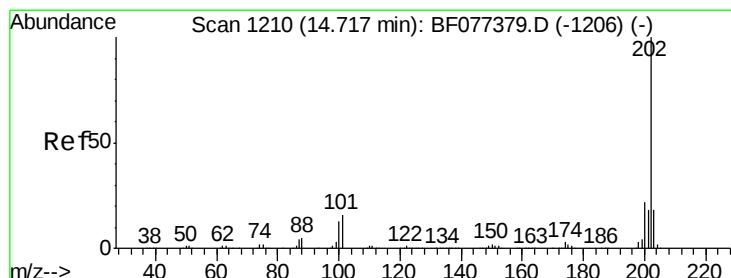
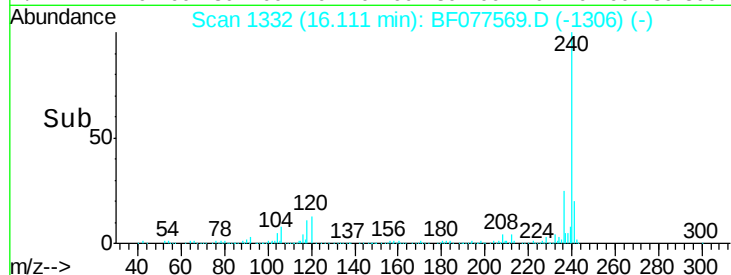
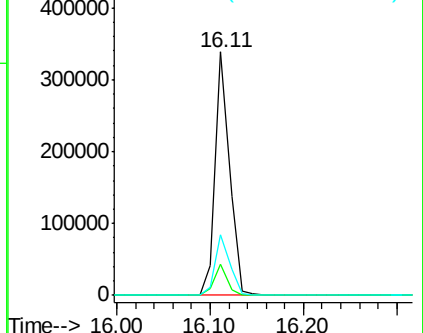
236 25.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.37 ng

RT: 14.61 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

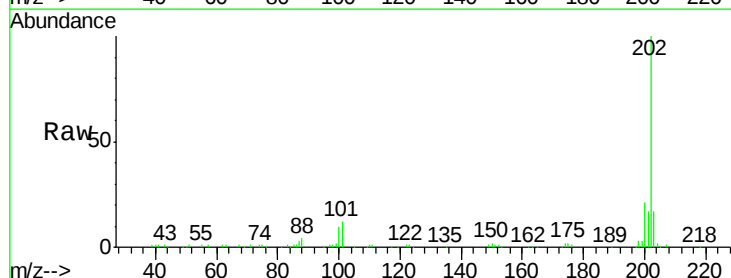
Tgt Ion:202 Resp: 97262

Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

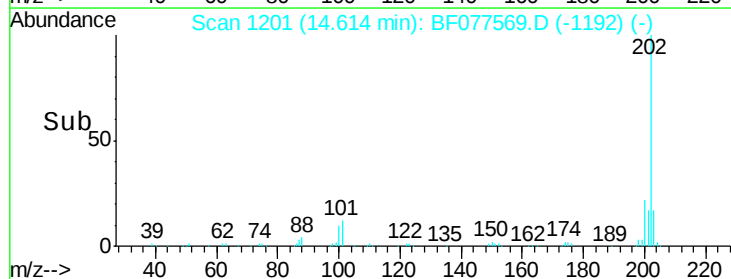
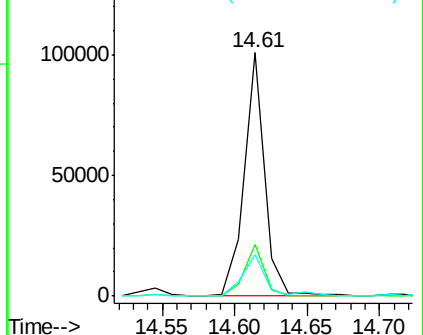
203 17.1 14.2 21.2

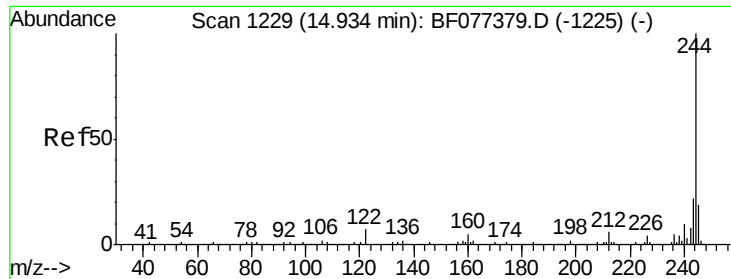


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.36 ng

RT: 14.82 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

Instrument :

BNA_F

ClientSampleId :

MW41DL2

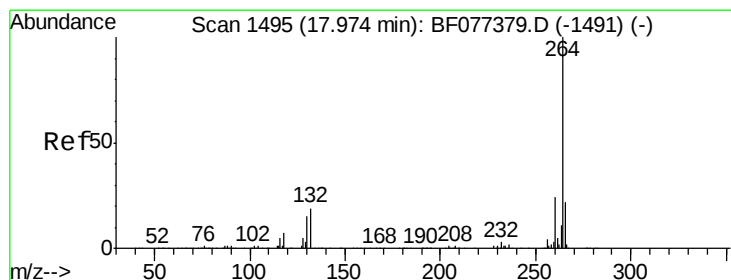
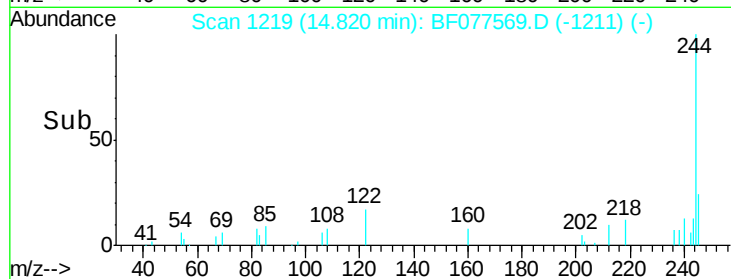
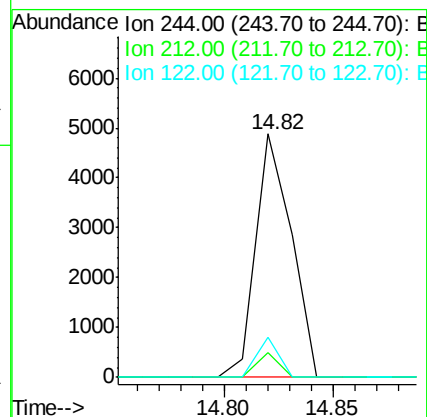
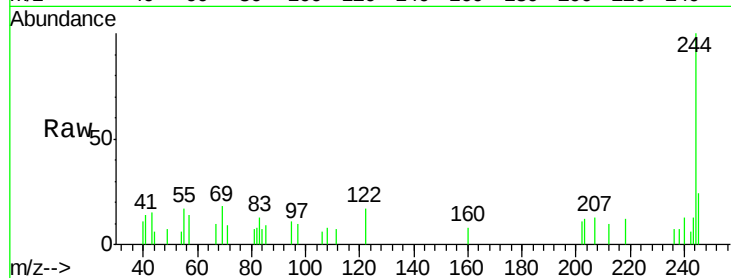
Tgt Ion:244 Resp: 5568

Ion Ratio Lower Upper

244 100

212 10.3 5.2 7.8#

122 16.6 7.8 11.8#



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.79 min Scan# 1479

Delta R.T. -0.03 min

Lab File: BF077569.D

Acq: 4 Mar 2015 3:22

Tgt Ion:264 Resp: 338946

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 21.9 16.8 25.2

