

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089696.D
 Acq On : 26 Feb 2015 18:12
 Operator : TP/JJ
 Sample : G1353-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Quant Time: Feb 27 02:29:55 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 25 14:06:35 2015
 Response via : Initial Calibration

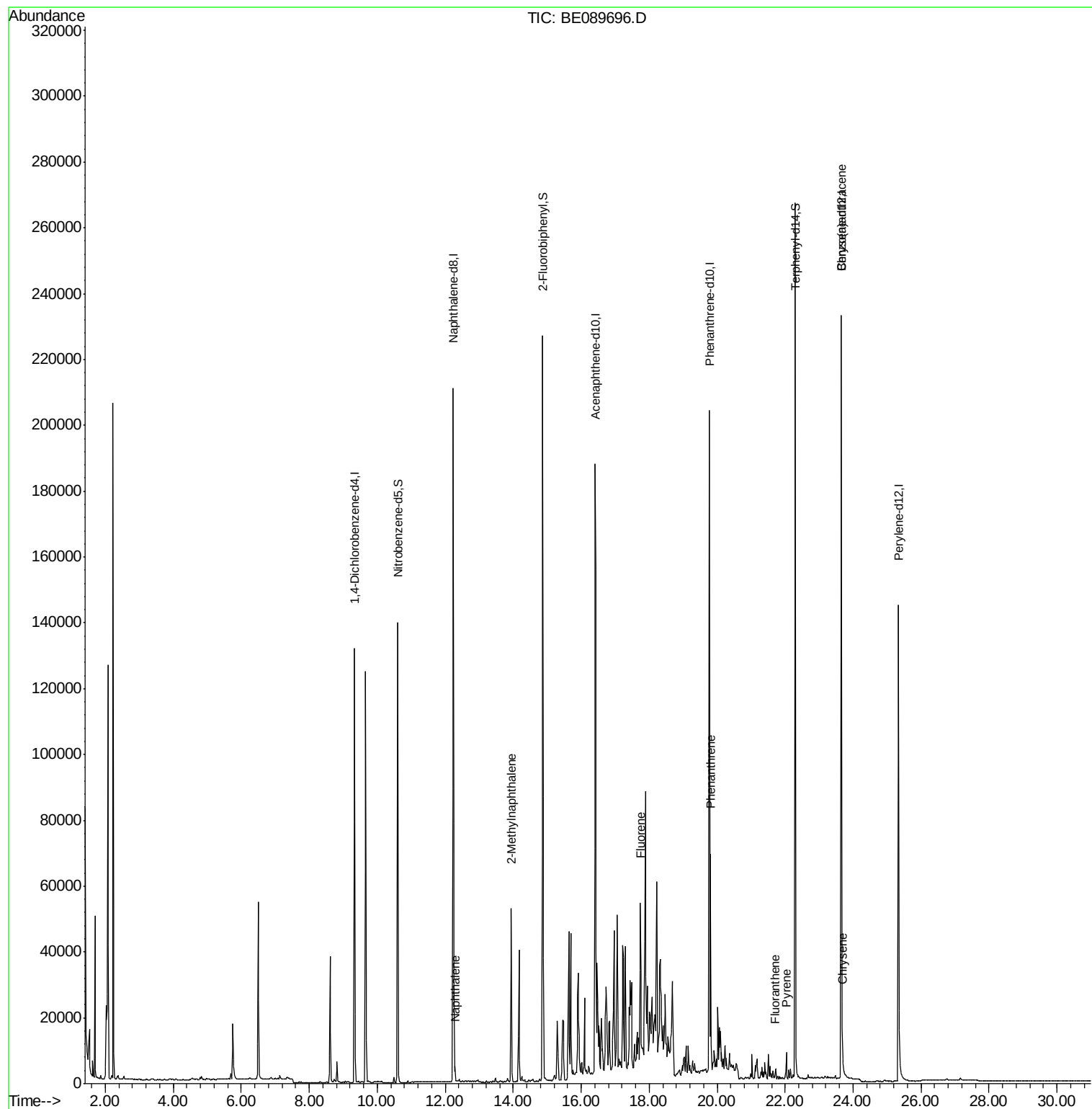
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	57673	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	248730	5.00	ng	0.00
8) Acenaphthene-d10	16.41	164	118404	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	218038	5.00	ng	0.00
19) Chrysene-d12	23.65	240	182198	5.00	ng	0.00
25) Perylene-d12	25.33	264	142611	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	99837	6.81	ng	0.00
9) 2-Fluorobiphenyl	14.87	172	207615	7.88	ng	0.00
21) Terphenyl-d14	22.30	244	228218	10.68	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	12.28	128	5242	0.11	ng	# 86
7) 2-Methylnaphthalene	13.94	142	34292	1.25	ng	# 98
12) Fluorene	17.74	166	16277	0.55	ng	# 67
16) Phenanthrene	19.81	178	57619	1.24	ng	# 98
18) Fluoranthene	21.72	202	2400	0.06	ng	# 80
20) Pyrene	22.04	202	5950	0.14	ng	# 82
22) Benzo(a)anthracene	23.65	228	4781	0.04	ng	# 73
23) Chrysene	23.68	228	4702	0.03	ng	# 74

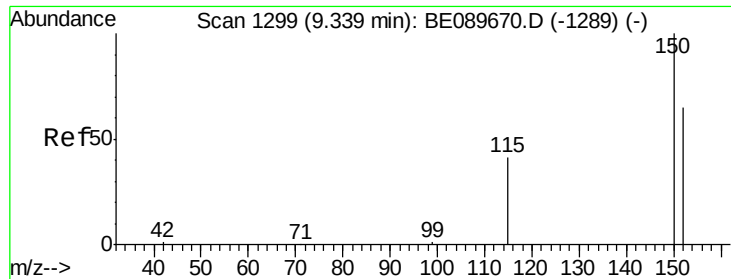
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1298

Delta R.T. -0.00 min

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MW-2

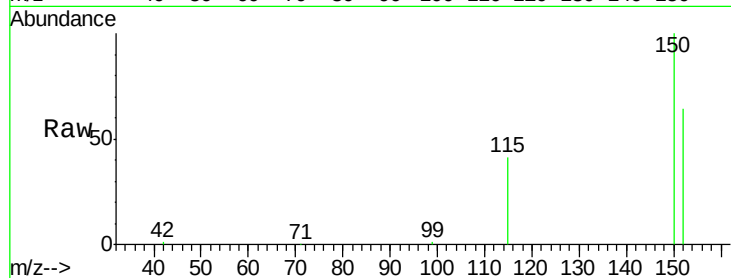
Tgt Ion:152 Resp: 57673

Ion Ratio Lower Upper

152 100

150 156.8 123.4 185.0

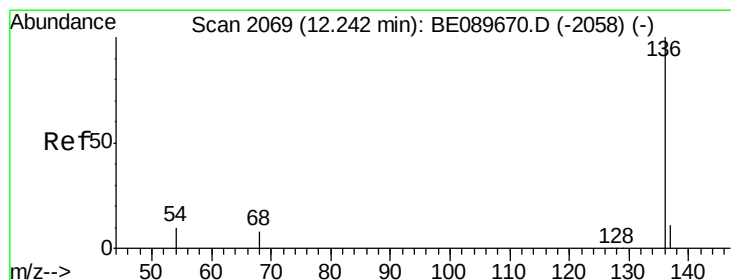
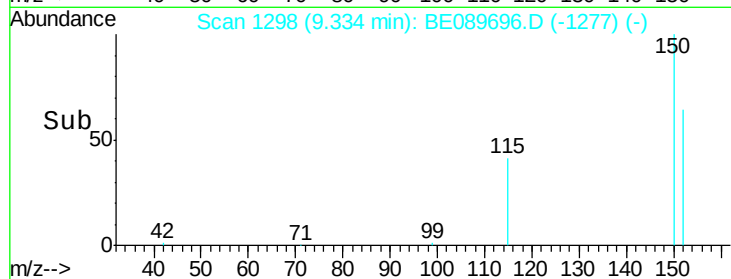
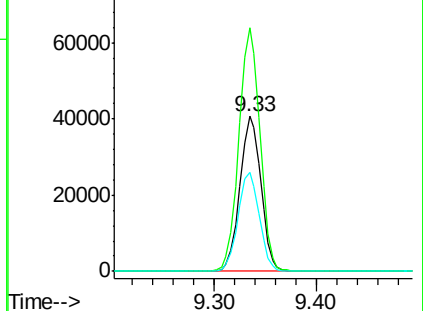
115 63.9 50.8 76.2



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



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 2069

Delta R.T. -0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

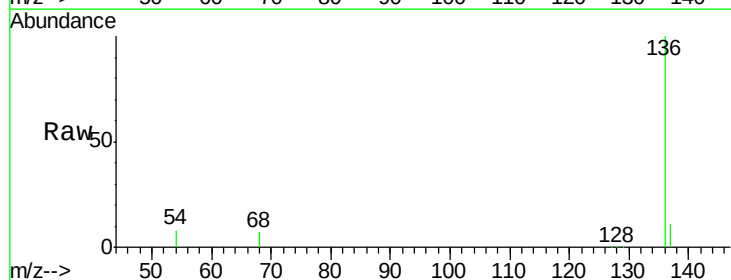
Tgt Ion:136 Resp: 248730

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

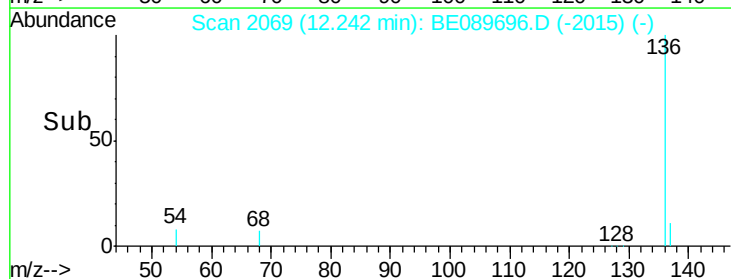
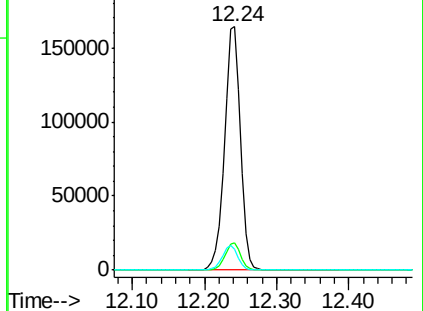
54 8.5 7.8 11.8

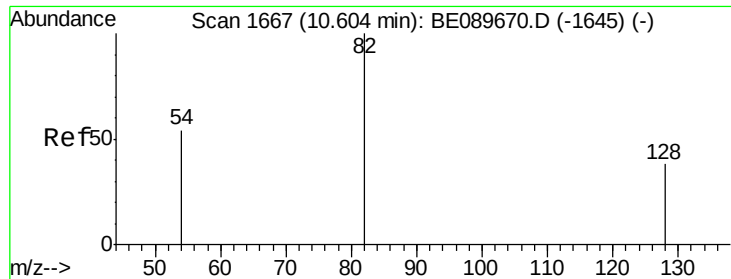


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 6.81 ng

RT: 10.60 min Scan# 1666

Delta R.T. -0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

Instrument :

BNA_E

ClientSampleId :

MW-2

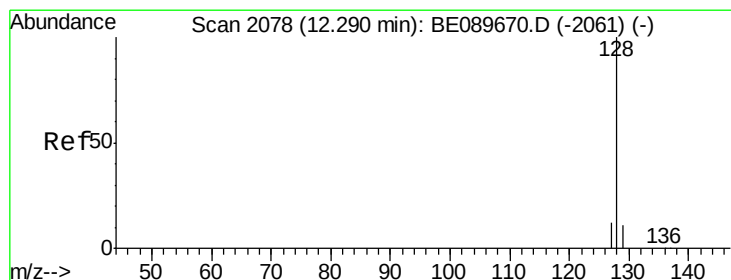
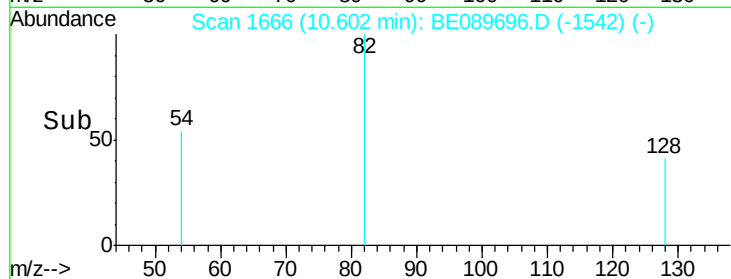
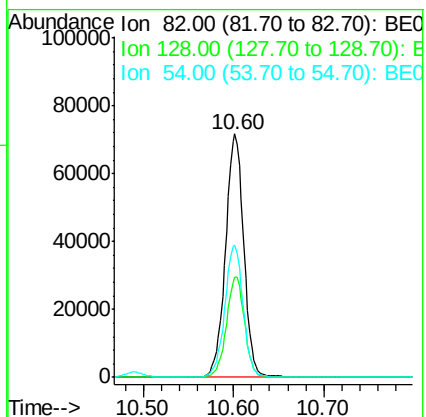
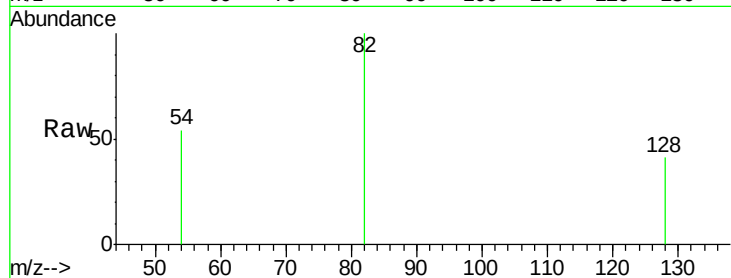
Tgt Ion: 82 Resp: 99837

Ion Ratio Lower Upper

82 100

128 41.1 30.6 46.0

54 54.4 43.6 65.4



#6

Naphthalene

Concen: 0.11 ng

RT: 12.28 min Scan# 2077

Delta R.T. -0.01 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

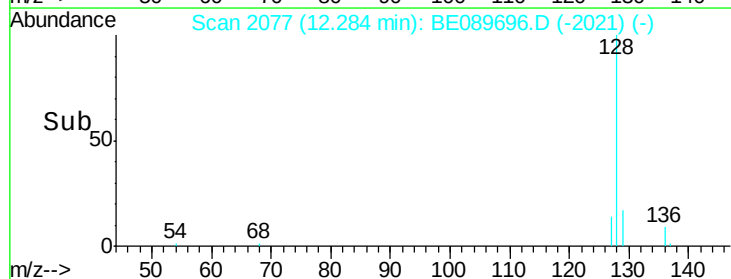
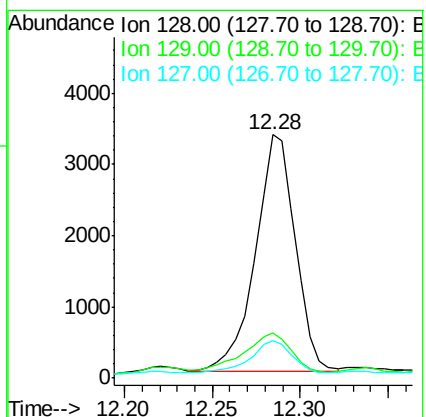
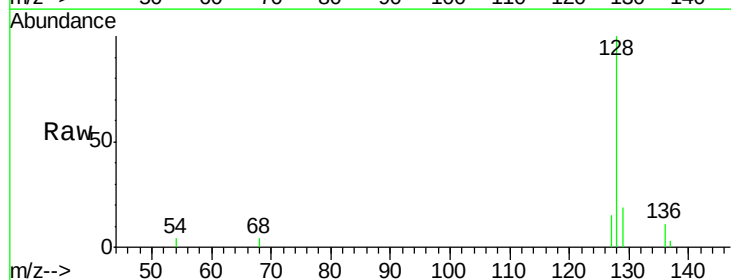
Tgt Ion: 128 Resp: 5242

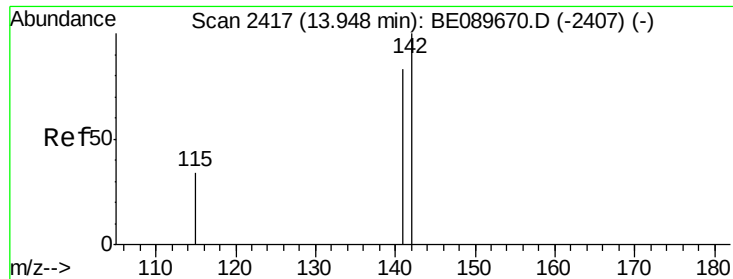
Ion Ratio Lower Upper

128 100

129 18.7 8.9 13.3#

127 15.3 9.7 14.5#





#7

2-Methylnaphthalene

Concen: 1.25 ng

RT: 13.94 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

Instrument :

BNA_E

ClientSampleId :

MW-2

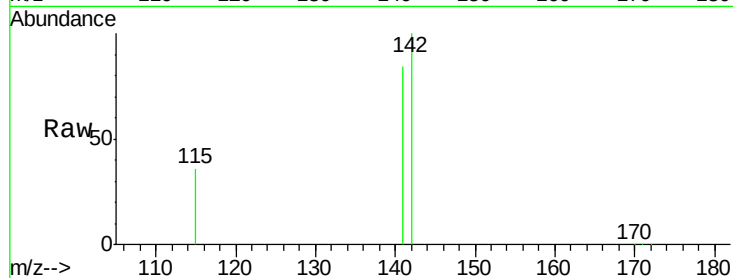
Tgt Ion:142 Resp: 34292

Ion Ratio Lower Upper

142 100

141 83.7 66.0 99.0

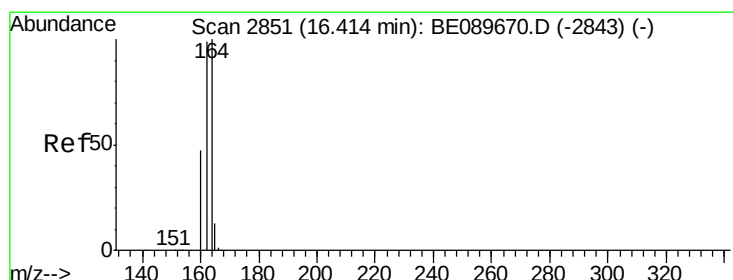
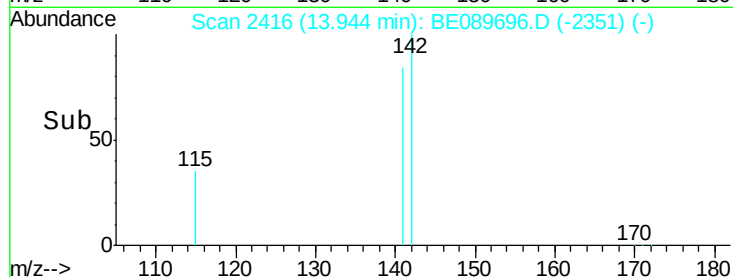
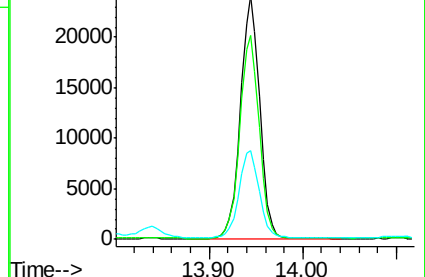
115 36.3 27.4 41.0



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



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.41 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

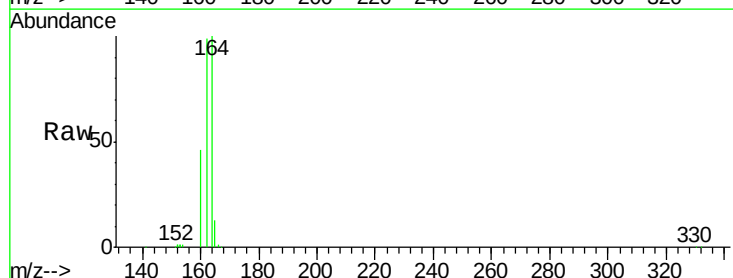
Tgt Ion:164 Resp: 118404

Ion Ratio Lower Upper

164 100

162 98.6 79.4 119.2

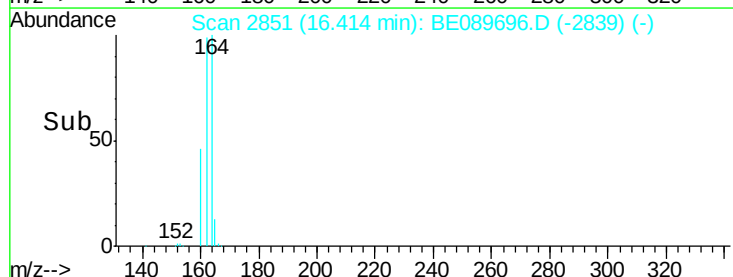
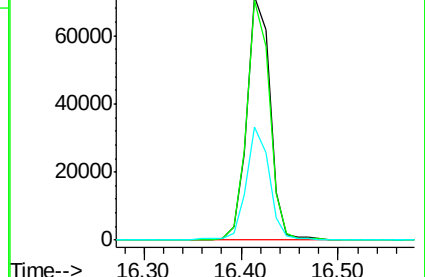
160 46.4 37.6 56.4

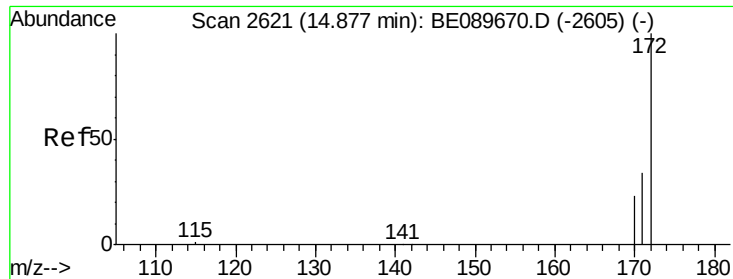


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 7.88 ng

RT: 14.87 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

Instrument :

BNA_E

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MW-2

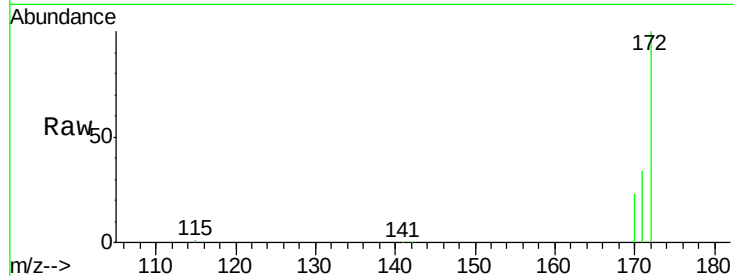
Tgt Ion:172 Resp: 207615

Ion Ratio Lower Upper

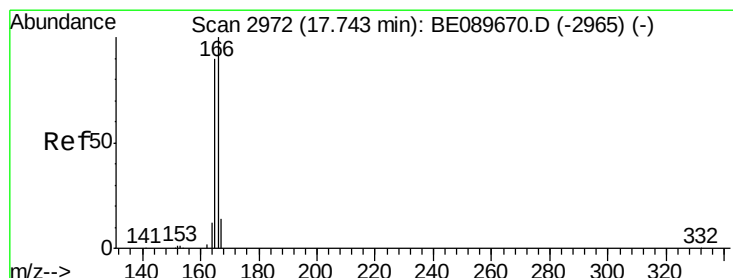
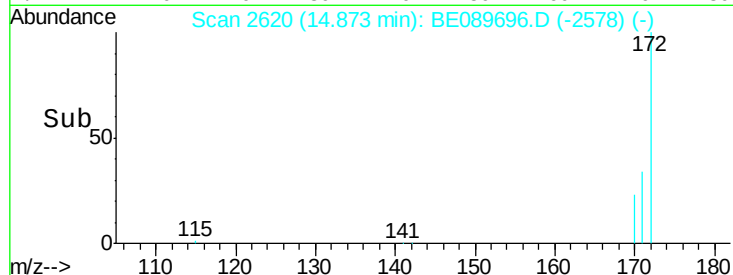
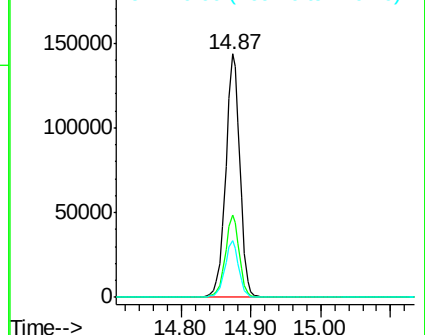
172 100

171 33.8 27.3 40.9

170 23.4 18.5 27.7



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



#12

Fluorene

Concen: 0.55 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

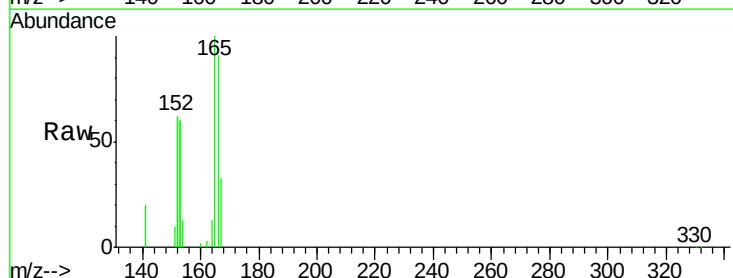
Tgt Ion:166 Resp: 16277

Ion Ratio Lower Upper

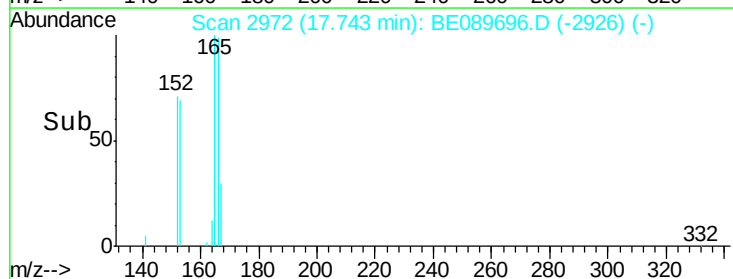
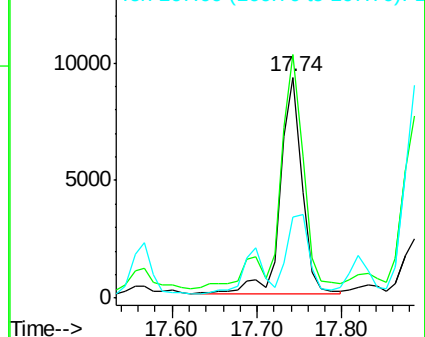
166 100

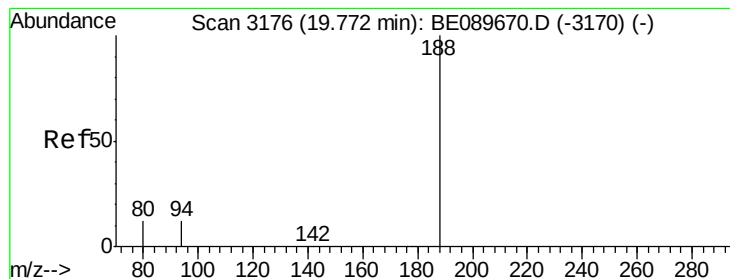
165 121.0 73.6 110.4#

167 33.7 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





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

Instrument :

BNA_E

ClientSampleId :

MW-2

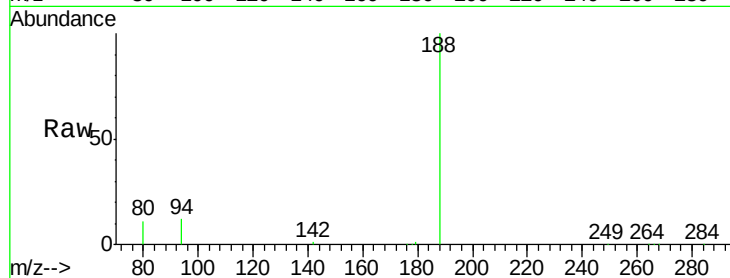
Tgt Ion:188 Resp: 218038

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

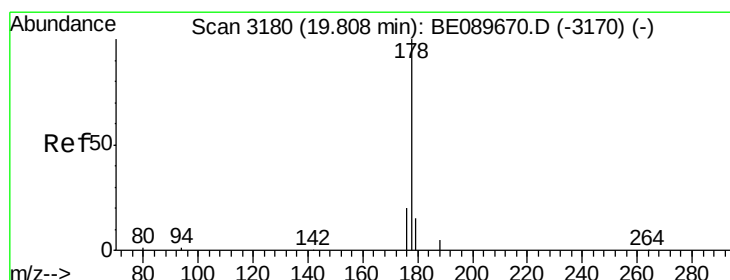
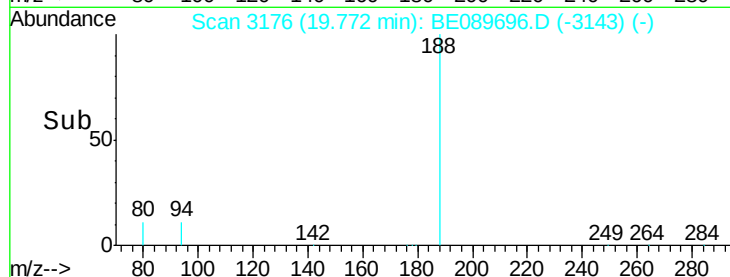
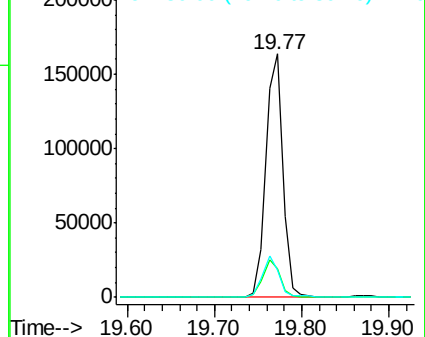
80 11.4 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#16

Phenanthrene

Concen: 1.24 ng

RT: 19.81 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

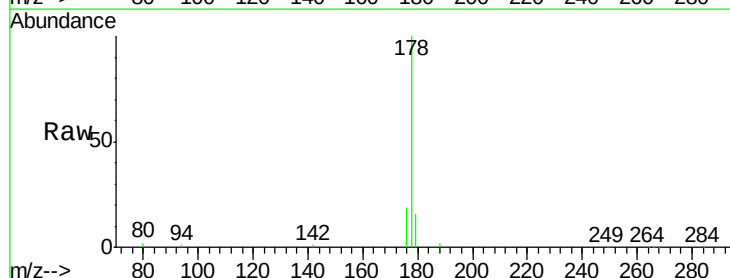
Tgt Ion:178 Resp: 57619

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

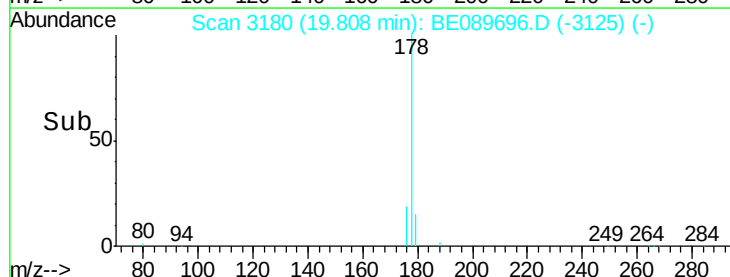
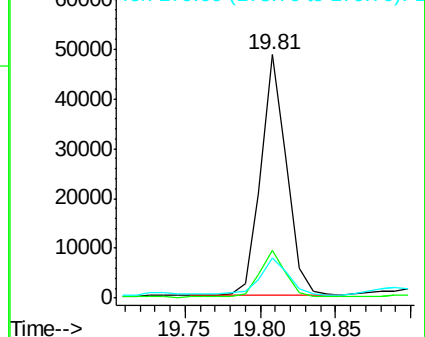
179 16.8 12.5 18.7

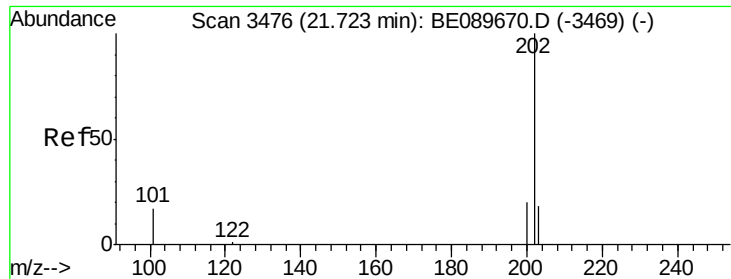


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

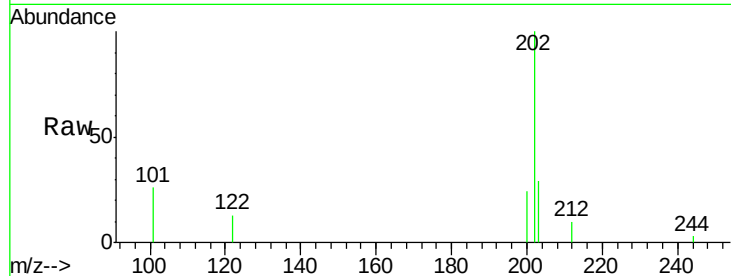




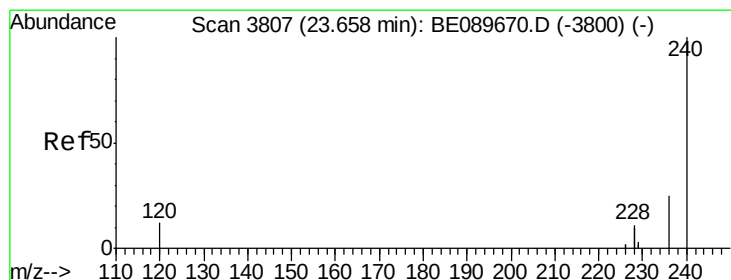
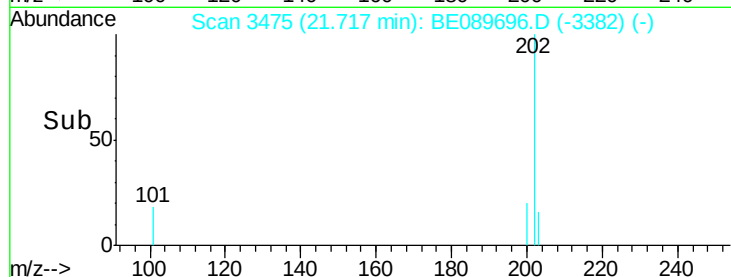
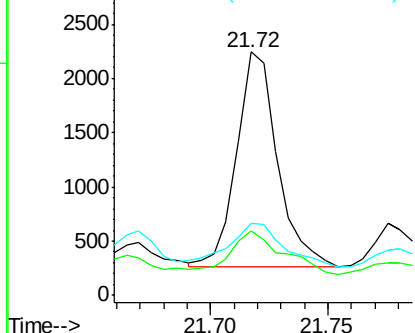
#18
Fluoranthene
Concen: 0.06 ng
RT: 21.72 min Scan# 3475
Delta R.T. -0.01 min
Lab File: BE089696.D
Acq: 26 Feb 2015 18:12

Instrument :
BNA_E
ClientSampleId :
MW-2

Tgt Ion: 202 Resp: 2400
Ion Ratio Lower Upper
202 100
101 25.3 14.9 22.3#
203 28.6 13.8 20.6#

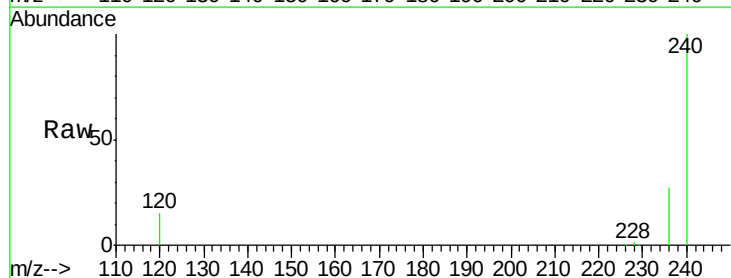


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

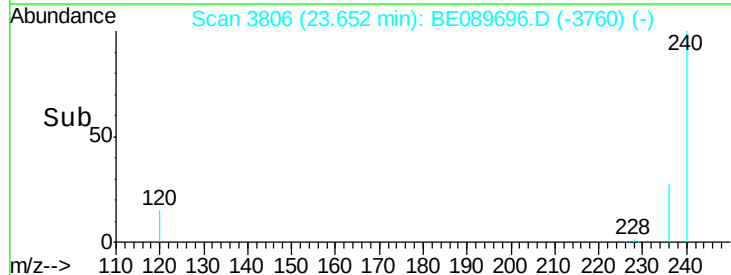
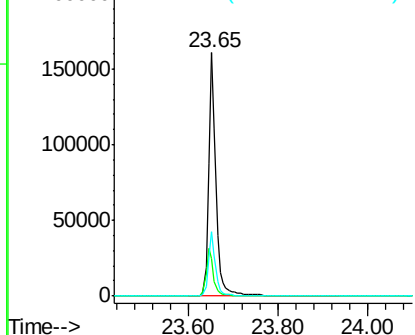


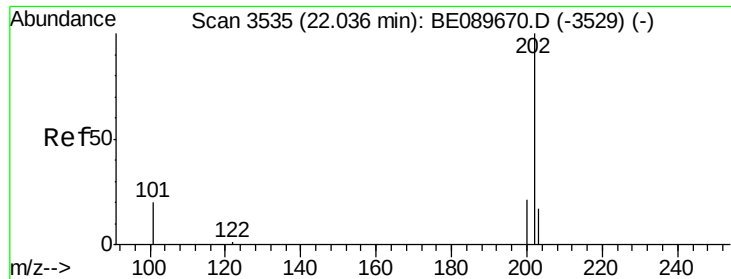
#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.65 min Scan# 3806
Delta R.T. -0.01 min
Lab File: BE089696.D
Acq: 26 Feb 2015 18:12

Tgt Ion: 240 Resp: 182198
Ion Ratio Lower Upper
240 100
120 15.5 9.4 14.0#
236 26.7 19.9 29.9



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

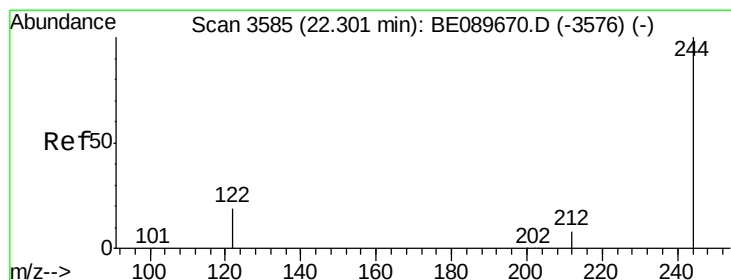
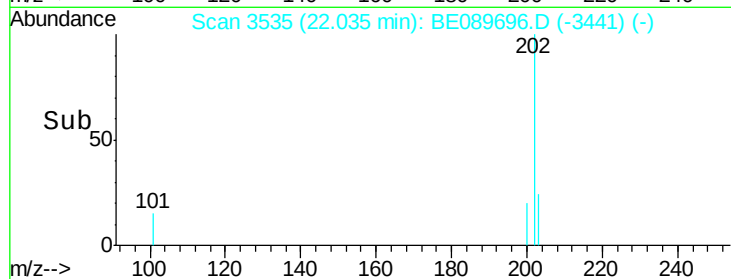
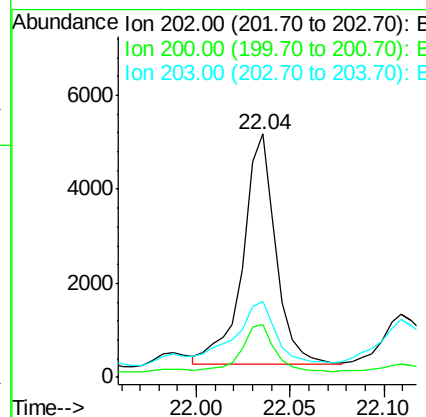
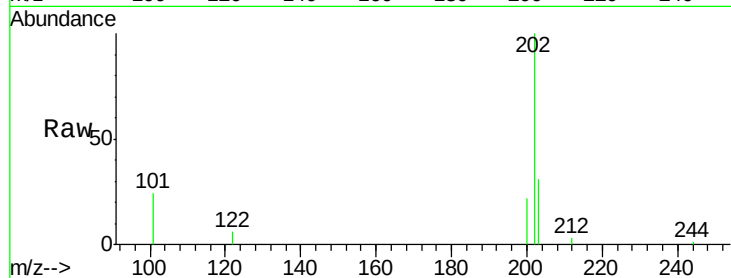




#20
 Pyrene
 Concen: 0.14 ng
 RT: 22.04 min Scan# 3535
 Delta R.T. -0.00 min
 Lab File: BE089696.D
 Acq: 26 Feb 2015 18:12

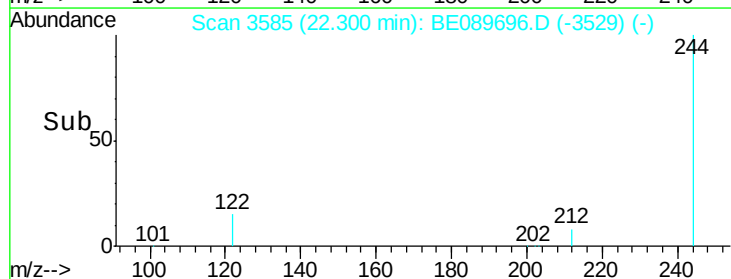
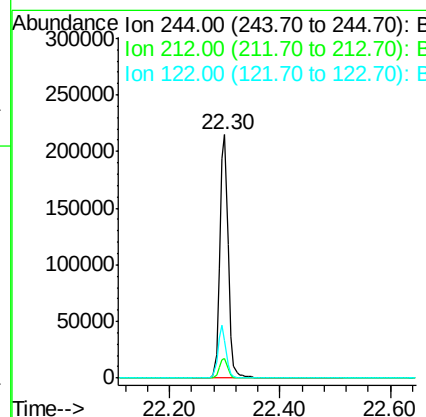
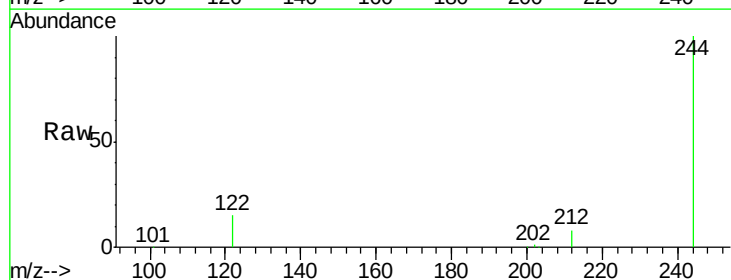
Instrument :
 BNA_E
 ClientSampleId :
 MW-2

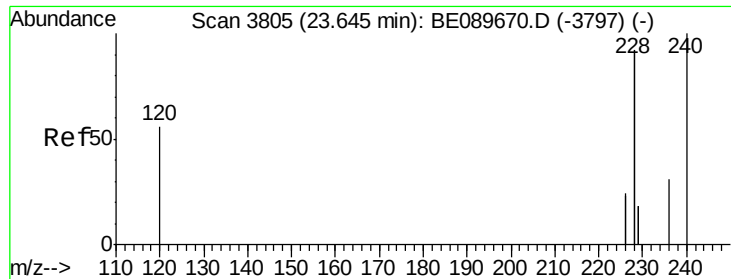
Tgt Ion: 202 Resp: 5950
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.4 24.6
 203 33.8 13.9 20.9#



#21
 Terphenyl-d14
 Concen: 10.68 ng
 RT: 22.30 min Scan# 3585
 Delta R.T. -0.00 min
 Lab File: BE089696.D
 Acq: 26 Feb 2015 18:12

Tgt Ion: 244 Resp: 228218
 Ion Ratio Lower Upper
 244 100
 212 8.0 7.0 10.6
 122 15.2 15.4 23.0#





#22

Benzo(a)anthracene

Concen: 0.04 ng

RT: 23.65 min Scan# 3805

Delta R.T. 0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

Instrument :

BNA_E

ClientSampleId :

MW-2

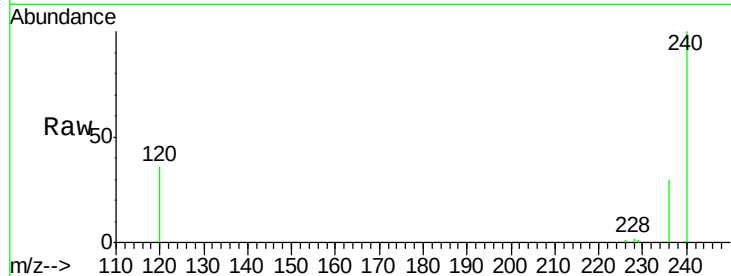
Tgt Ion:228 Resp: 4781

Ion Ratio Lower Upper

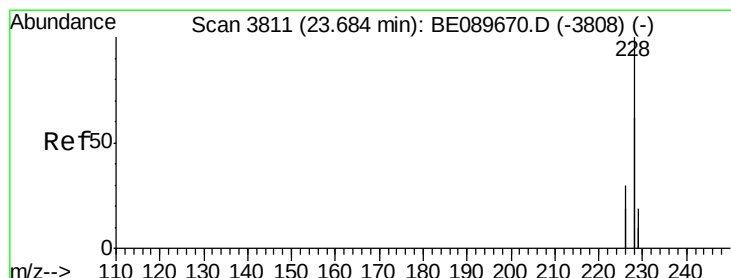
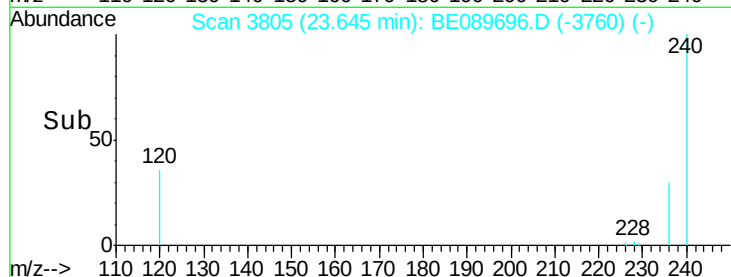
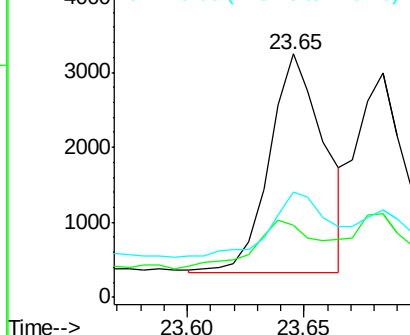
228 100

226 29.5 20.6 31.0

229 43.3 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#23

Chrysene

Concen: 0.03 ng

RT: 23.68 min Scan# 3811

Delta R.T. 0.00 min

Lab File: BE089696.D

Acq: 26 Feb 2015 18:12

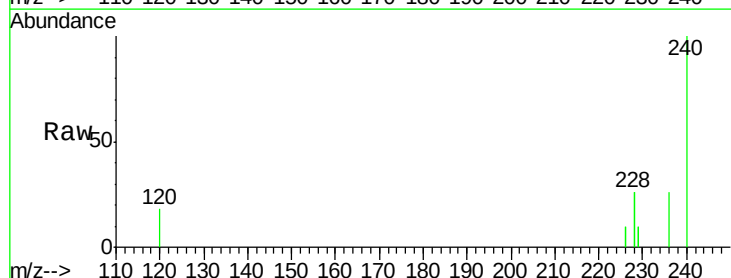
Tgt Ion:228 Resp: 4702

Ion Ratio Lower Upper

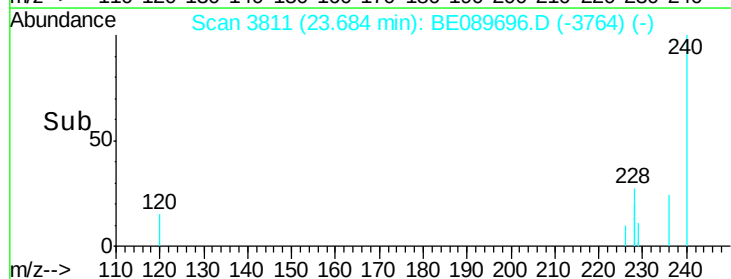
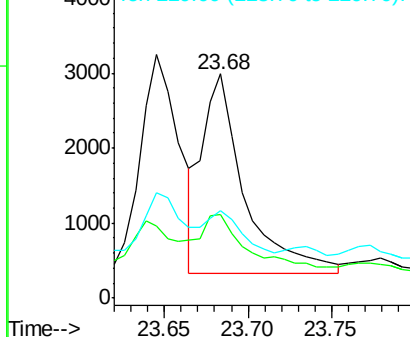
228 100

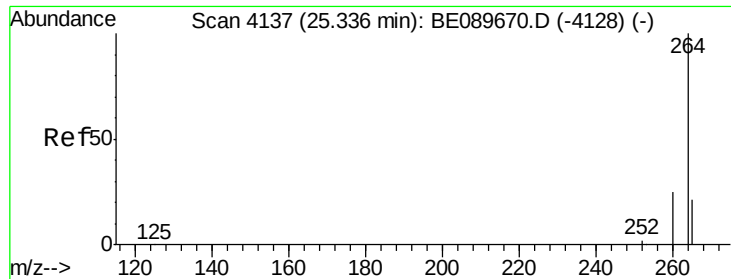
226 37.2 23.6 35.4#

229 39.3 15.3 22.9#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

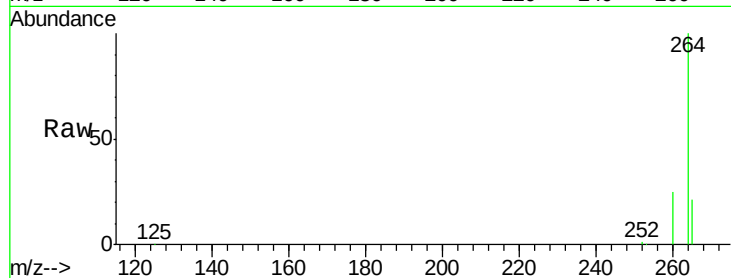




#25
Perylene-d12
Concen: 5.00 ng
RT: 25.33 min Scan# 4137
Delta R.T. -0.00 min
Lab File: BE089696.D
Acq: 26 Feb 2015 18:12

Instrument :
BNA_E
ClientSampleId :
MW-2

Tgt Ion: 264 Resp: 142611
Ion Ratio Lower Upper
264 100
260 25.3 20.2 30.4
265 20.9 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

