

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089827.D
 Acq On : 25 Mar 2015 1:33
 Operator : TP/JJ
 Sample : G1575-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-8S

Quant Time: Mar 25 03:21:22 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 24 18:03:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	413871	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	1641060	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	732098	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	1173444	5.00	ng	0.00
19) Chrysene-d12	24.26	240	925159	5.00	ng	0.00
25) Perylene-d12	27.41	264	804880	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.68	82	850130	7.14	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	1324901	7.73	ng	0.00
21) Terphenyl-d14	21.86	244	1146105	8.40	ng	0.00

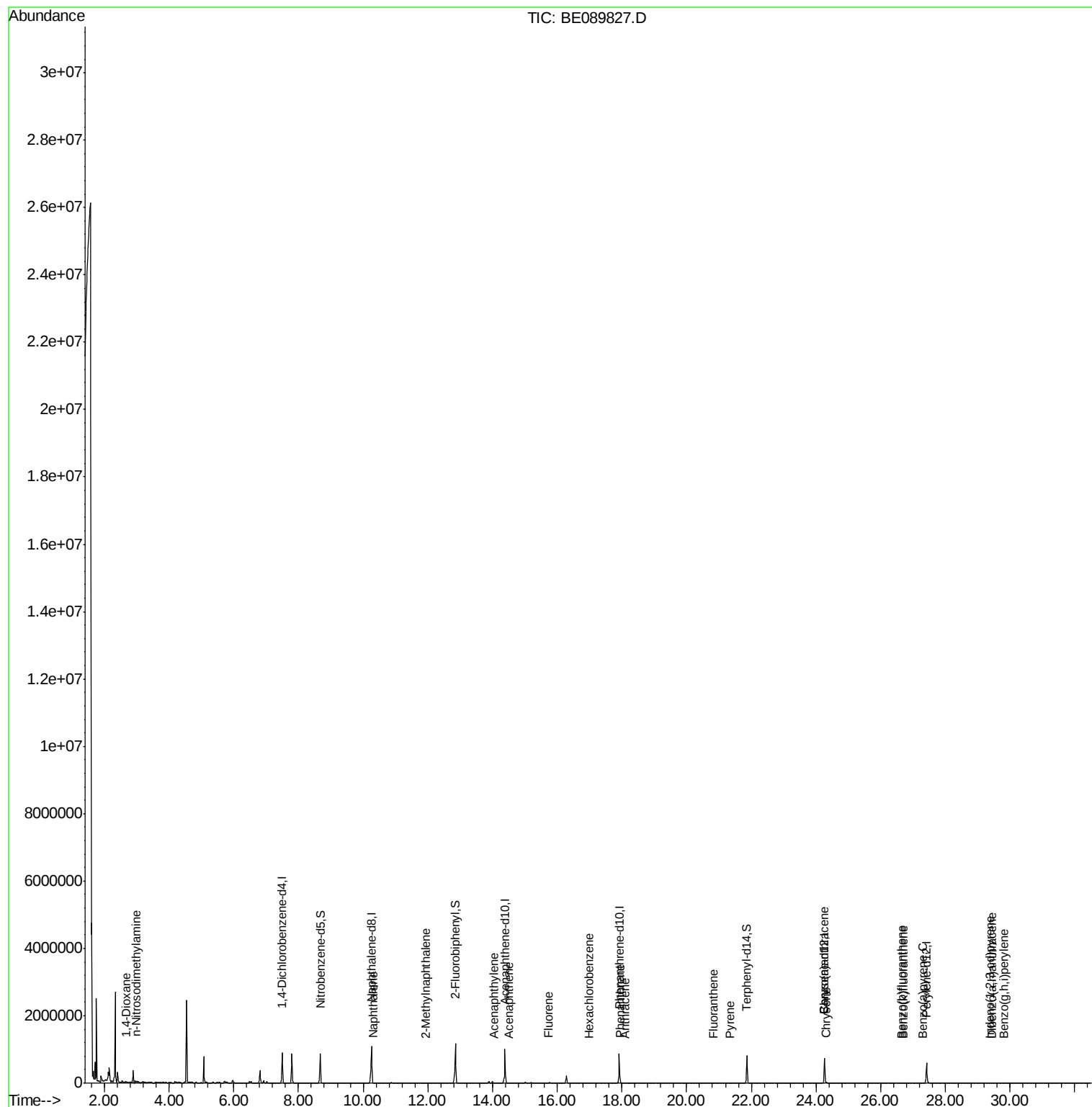
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.67	88	17369	0.32	ng	# 70
3) n-Nitrosodimethylamine	3.00	42	20172	0.26	ng	# 14
6) Naphthalene	10.31	128	4212	0.01	ng	# 44
7) 2-Methylnaphthalene	11.94	142	1064	0.01	ng	# 76
10) Acenaphthylene	14.03	152	1485	0.00	ng	# 71
11) Acenaphthene	14.49	154	1337	0.01	ng	# 1
12) Fluorene	15.71	166	1223	0.01	ng	# 1
14) Hexachlorobenzene	16.98	284	79	0.00	ng	# 5
15) Pentachlorophenol	17.50	266	1529	Below Cal		96
16) Phenanthrene	17.97	178	3455	0.01	ng	# 78
17) Anthracene	18.10	178	1715	0.01	ng	# 71
18) Fluoranthene	20.82	202	3088	0.01	ng	# 94
20) Pyrene	21.34	202	2491	0.01	ng	# 85
22) Benzo(a)anthracene	24.26	228	3410	0.02	ng	# 74
23) Chrysene	24.32	228	1330	0.01	ng	# 62
24) Indeno(1,2,3-cd)pyrene	29.38	276	340	0.42	ng	# 1
26) Benzo(b)fluoranthene	26.64	252	917	0.32	ng	# 1
27) Benzo(k)fluoranthene	26.69	252	428	0.00	ng	# 1
28) Benzo(a)pyrene	27.29	252	687	0.30	ng	# 1
29) Dibenzo(a,h)anthracene	29.44	278	139	0.42	ng	# 1
30) Benzo(g,h,i)perylene	29.83	276	392	0.25	ng	# 19

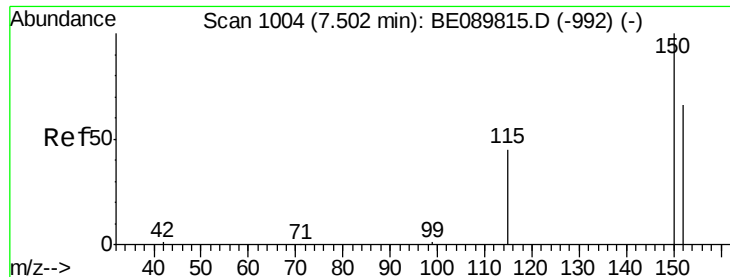
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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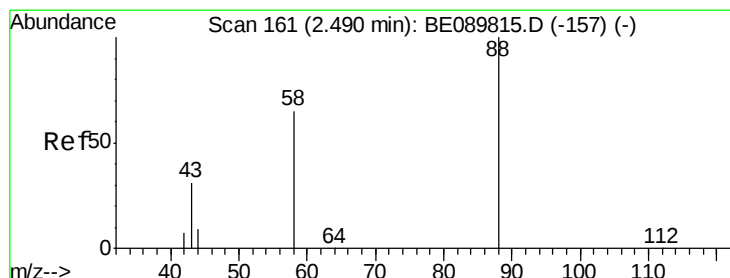
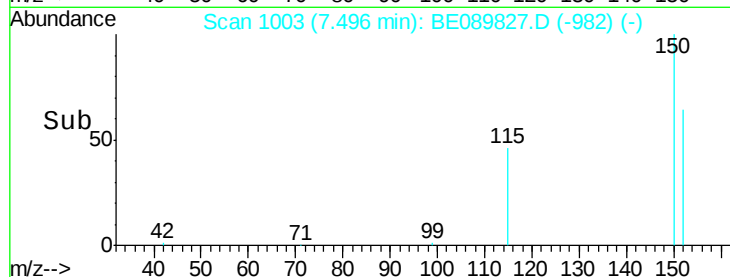
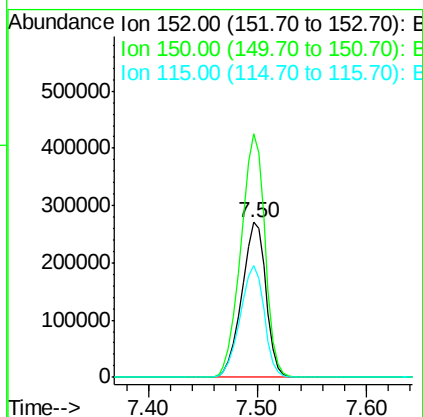
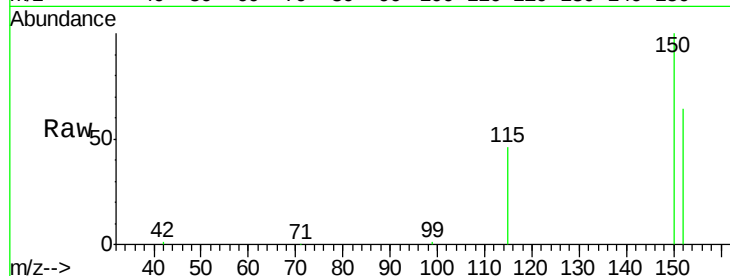




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BE089827.D
 Acq: 25 Mar 2015 1:33

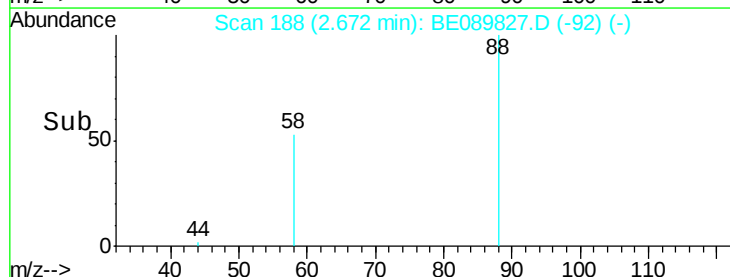
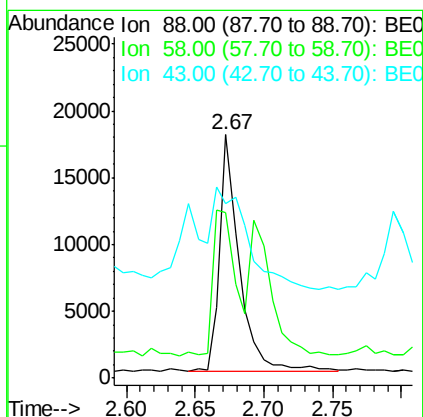
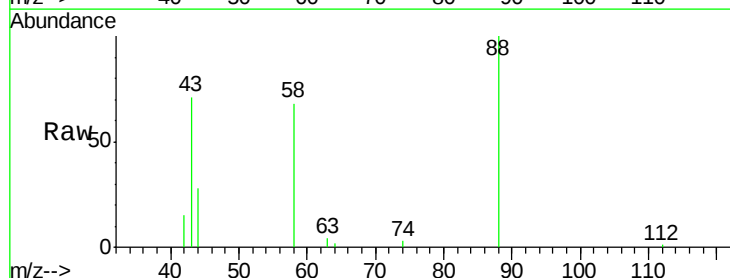
Instrument :
 BNA_E
 ClientSampled :
 MW-8S

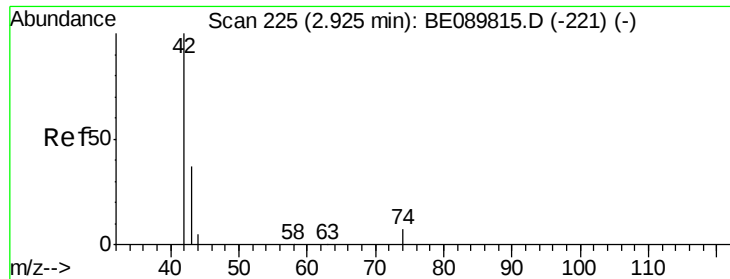
Tgt Ion:152 Resp: 413871
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.5 188.3
 115 71.8 58.0 87.0



#2
 1,4-Dioxane
 Concen: 0.32 ng
 RT: 2.67 min Scan# 188
 Delta R.T. 0.15 min
 Lab File: BE089827.D
 Acq: 25 Mar 2015 1:33

Tgt Ion: 88 Resp: 17369
 Ion Ratio Lower Upper
 88 100
 58 69.7 48.6 72.8
 43 0.0 28.6 43.0#





#3

n-Nitrosodimethylamine

Concen: 0.26 ng

RT: 3.00 min Scan# 236

Delta R.T. 0.01 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

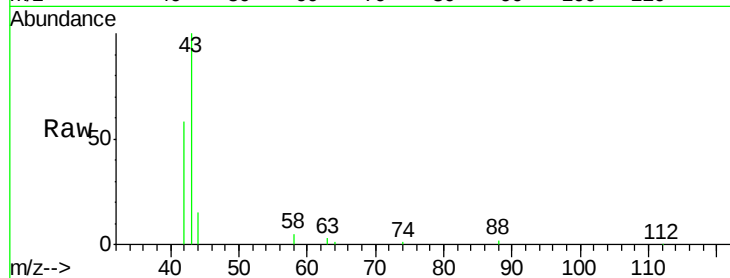
Tgt Ion: 42 Resp: 20172

Ion Ratio Lower Upper

42 100

74 1.3 68.7 103.1#

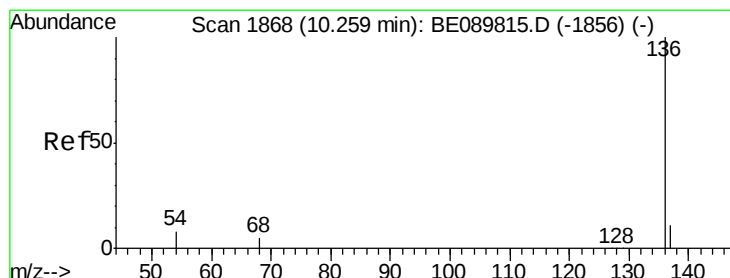
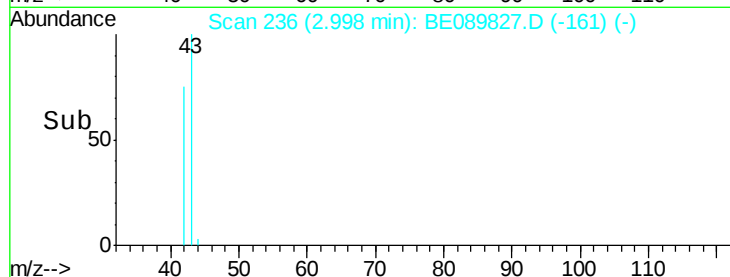
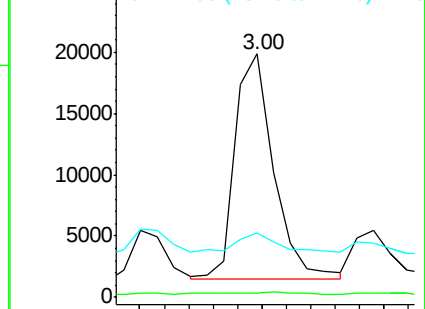
44 0.0 6.2 9.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

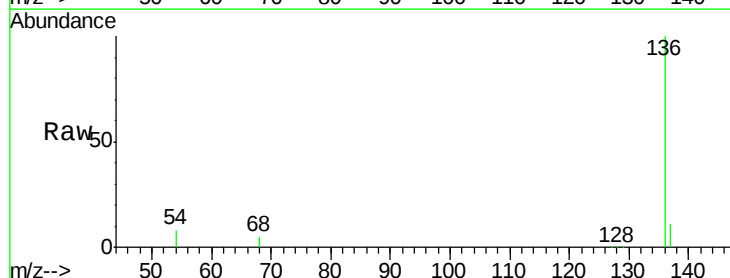
Tgt Ion: 136 Resp: 1641060

Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

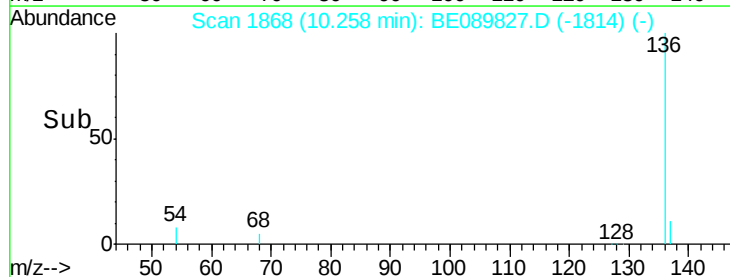
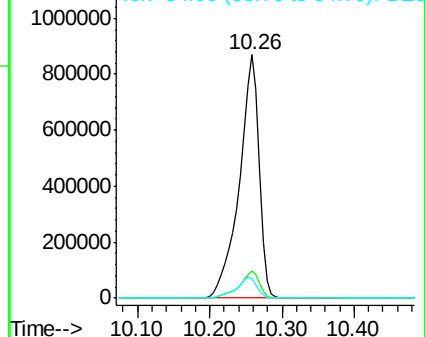
54 8.2 7.0 10.4

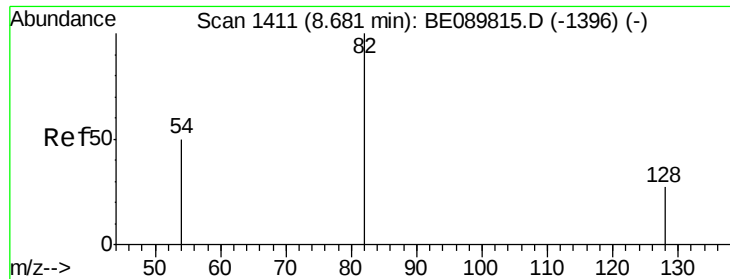


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 7.14 ng

RT: 8.68 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

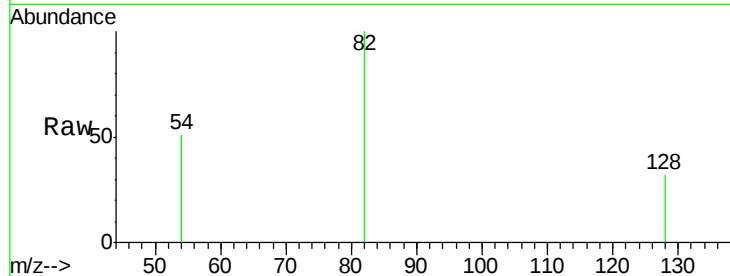
Tgt Ion: 82 Resp: 850130

Ion Ratio Lower Upper

82 100

128 31.7 24.6 37.0

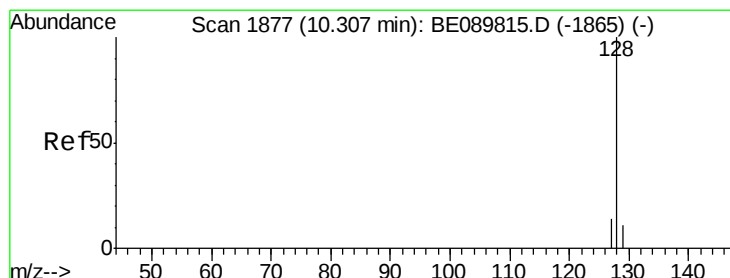
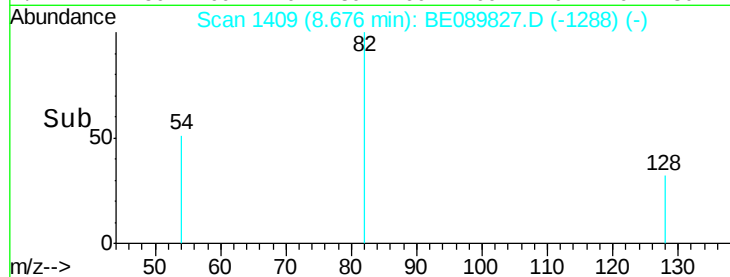
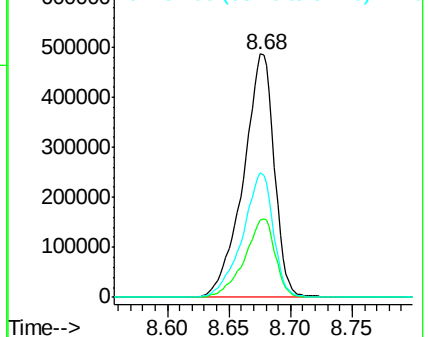
54 51.1 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BE089827.D (-1288) (-)

Ion 128.00 (127.70 to 128.70): BE089827.D (-1288) (-)

Ion 54.00 (53.70 to 54.70): BE089827.D (-1288) (-)



#6

Naphthalene

Concen: 0.01 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

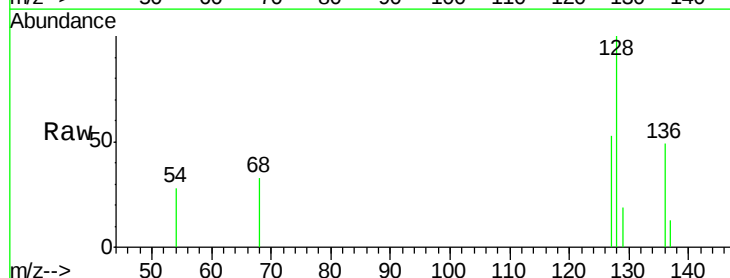
Tgt Ion: 128 Resp: 4212

Ion Ratio Lower Upper

128 100

129 18.9 10.0 15.0#

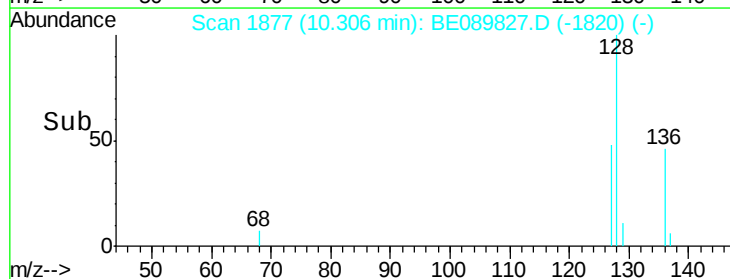
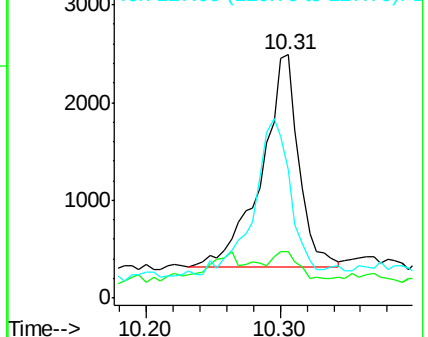
127 52.9 12.5 18.7#

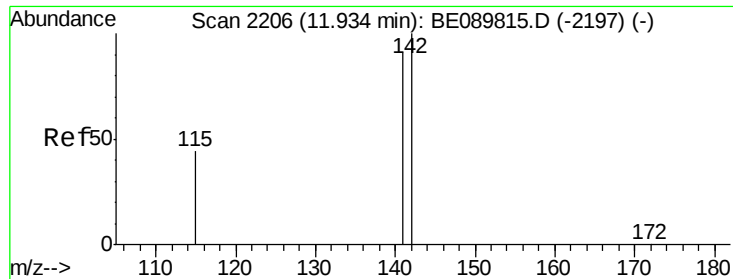


Abundance Ion 128.00 (127.70 to 128.70): BE089827.D (-1820) (-)

Ion 129.00 (128.70 to 129.70): BE089827.D (-1820) (-)

Ion 127.00 (126.70 to 127.70): BE089827.D (-1820) (-)





#7

2-Methylnaphthalene

Concen: 0.01 ng

RT: 11.94 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

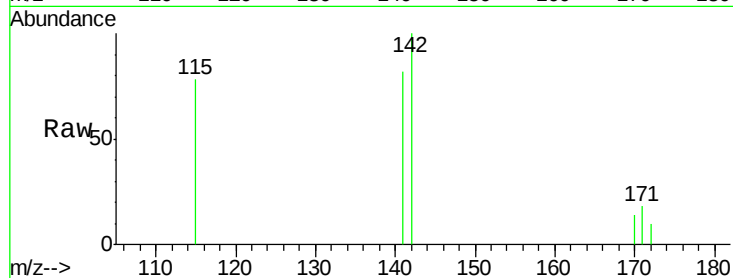
Tgt Ion:142 Resp: 1064

Ion Ratio Lower Upper

142 100

141 82.3 72.8 109.2

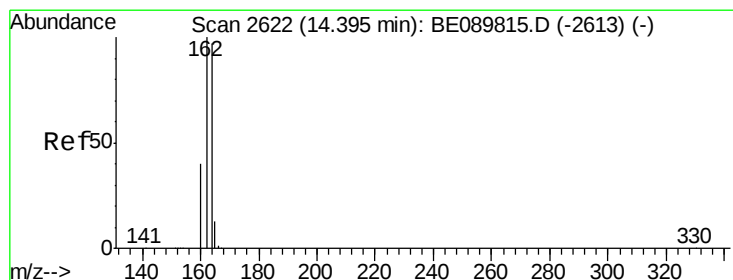
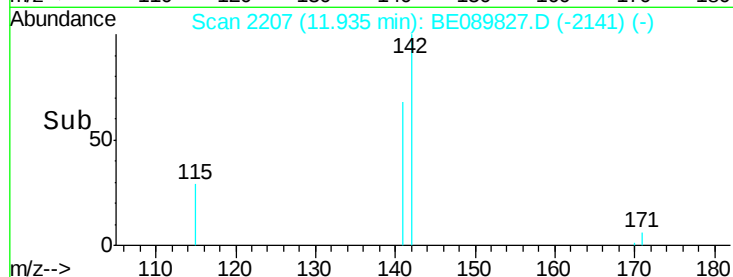
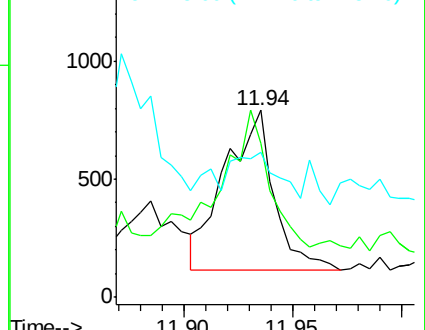
115 77.6 32.9 49.3#



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: 14.39 min Scan# 2622

Delta R.T. -0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

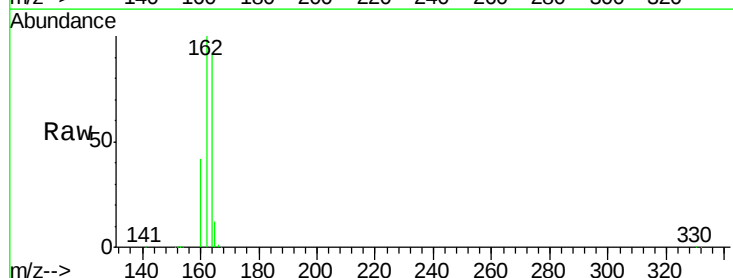
Tgt Ion:164 Resp: 732098

Ion Ratio Lower Upper

164 100

162 109.2 87.6 131.4

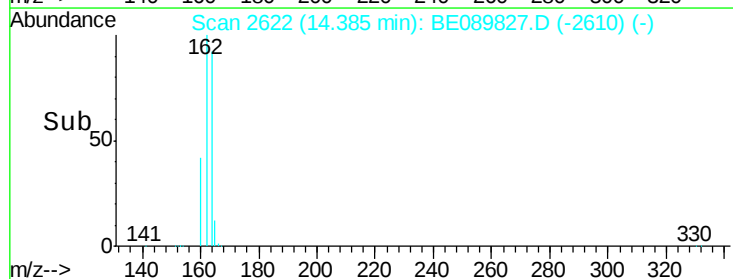
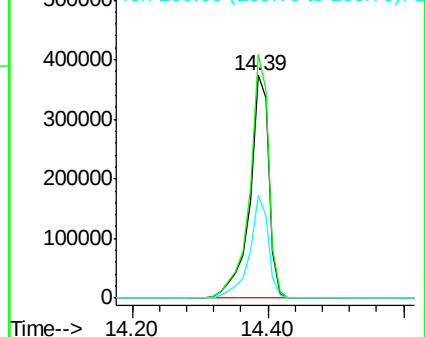
160 45.9 36.7 55.1

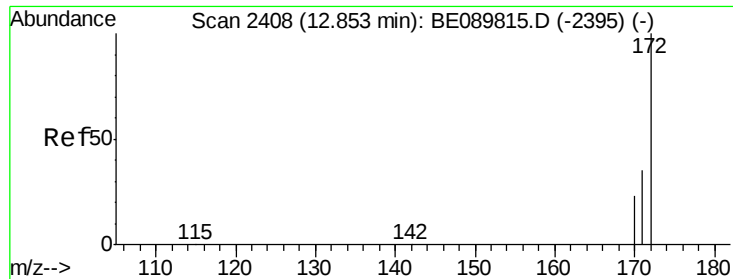


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

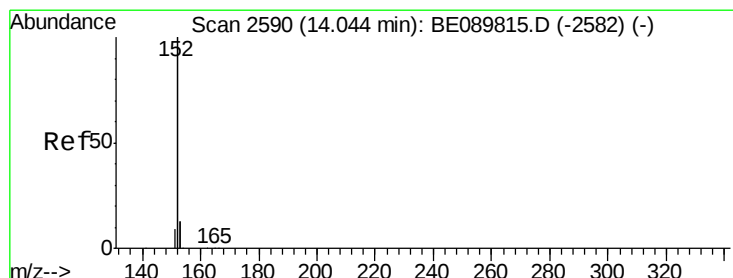
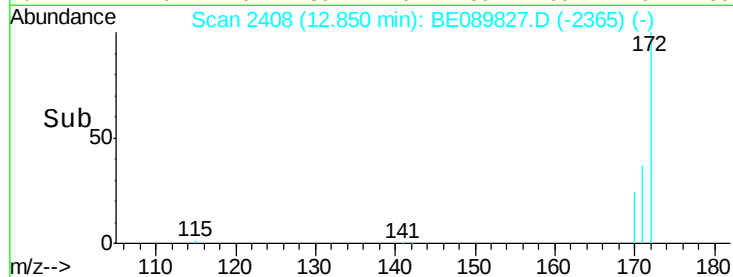
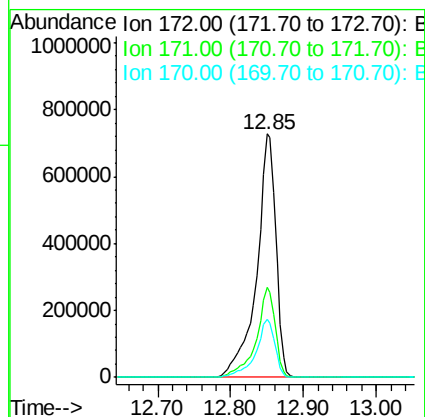
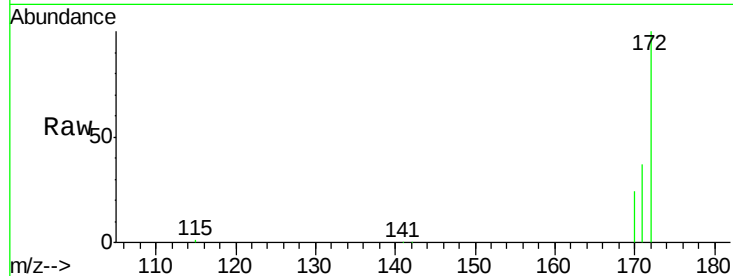




#9
2-Fluorobiphenyl
Concen: 7.73 ng
RT: 12.85 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BE089827.D
Acq: 25 Mar 2015 1:33

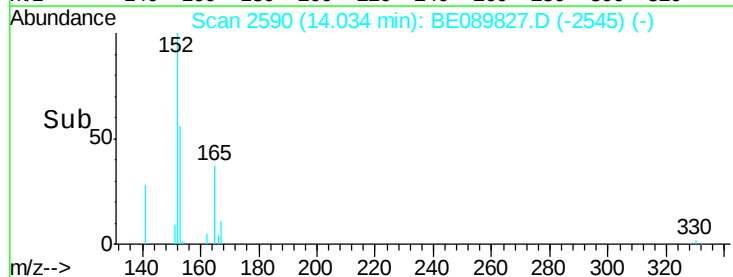
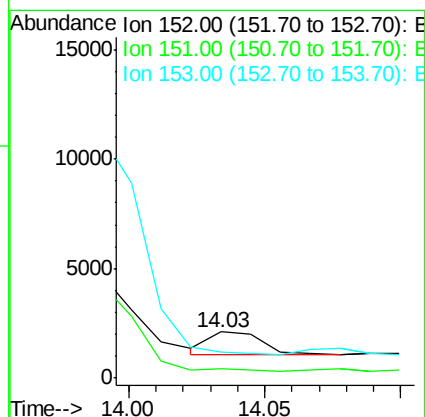
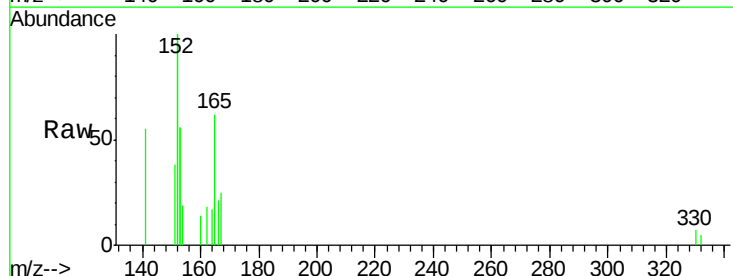
Instrument :
BNA_E
ClientSampleId :
MW-8S

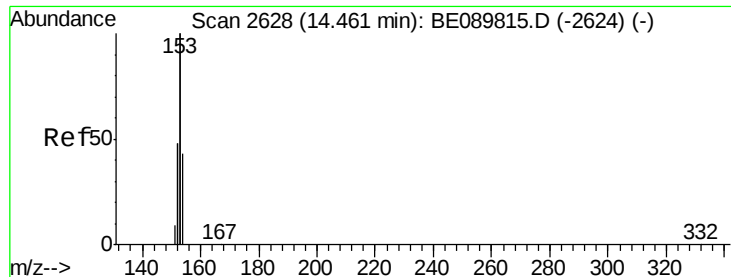
Tgt Ion:172 Resp: 1324901
Ion Ratio Lower Upper
172 100
171 36.7 30.8 46.2
170 24.1 21.0 31.4



#10
Acenaphthylene
Concen: 0.00 ng
RT: 14.03 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BE089827.D
Acq: 25 Mar 2015 1:33

Tgt Ion:152 Resp: 1485
Ion Ratio Lower Upper
152 100
151 0.0 3.9 5.9#
153 0.0 11.0 16.4#





#11

Acenaphthene

Concen: 0.01 ng

RT: 14.49 min Scan# 2632

Delta R.T. 0.03 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

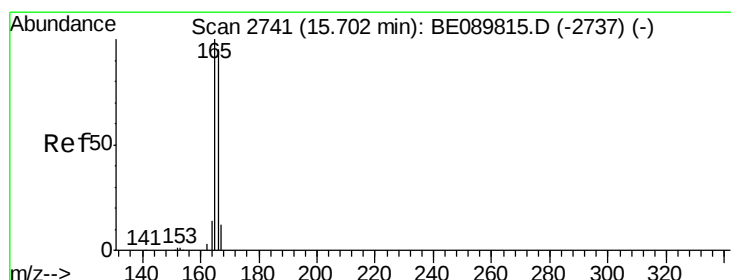
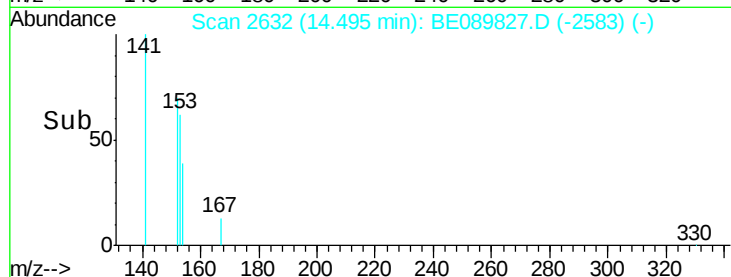
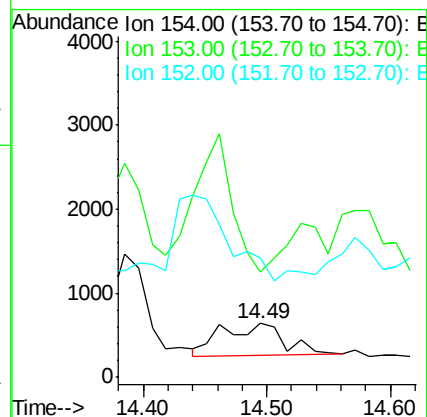
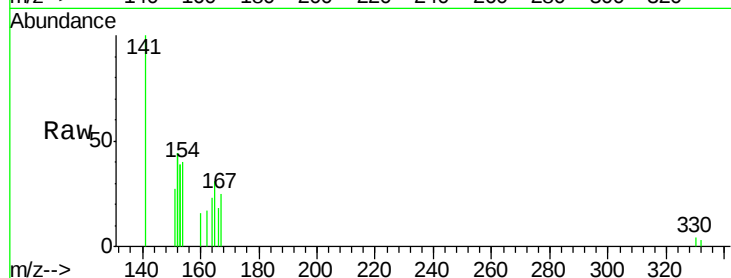
Tgt Ion:154 Resp: 1337

Ion Ratio Lower Upper

154 100

153 0.0 401.5 602.3#

152 0.0 198.6 298.0#



#12

Fluorene

Concen: 0.01 ng

RT: 15.71 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

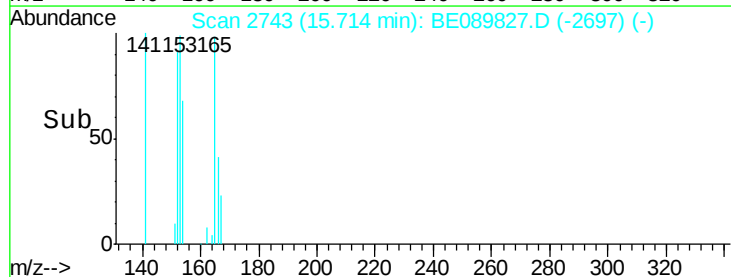
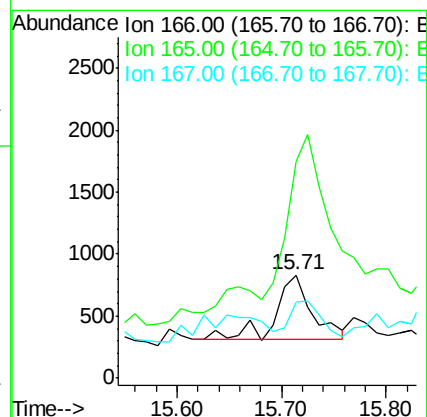
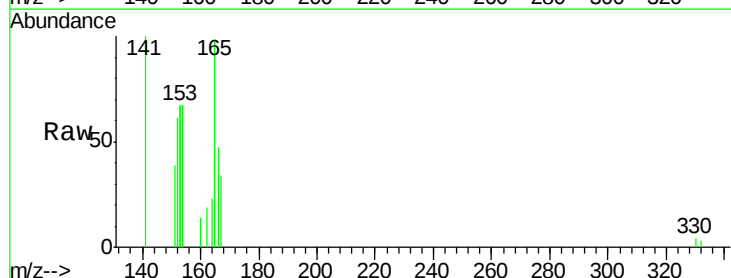
Tgt Ion:166 Resp: 1223

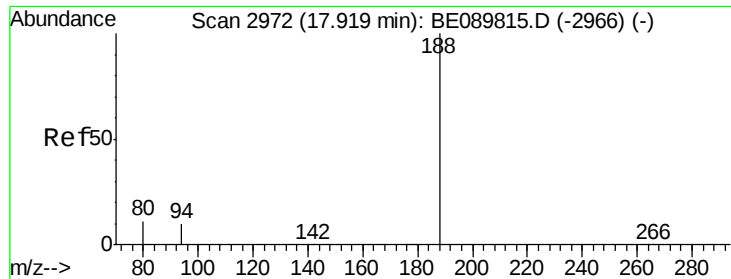
Ion Ratio Lower Upper

166 100

165 398.9 85.1 127.7#

167 51.1 12.2 18.4#

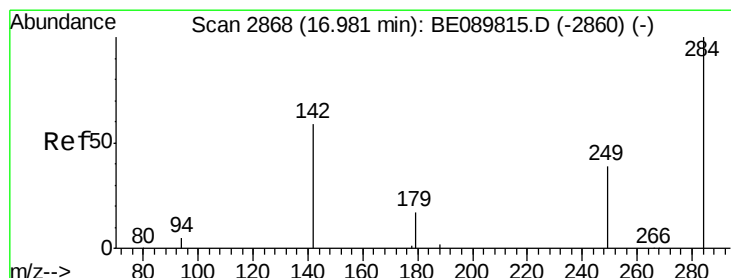
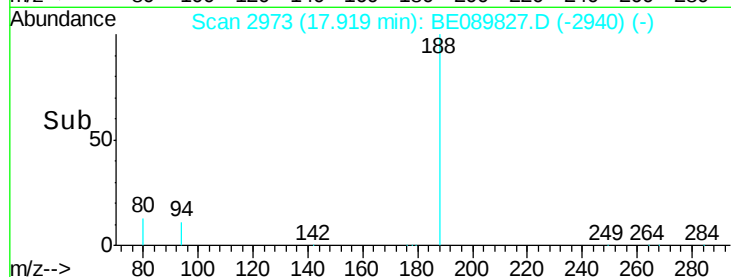
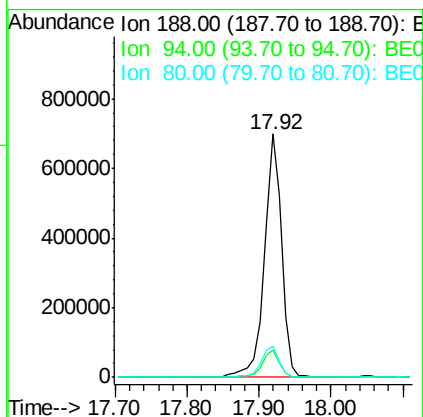
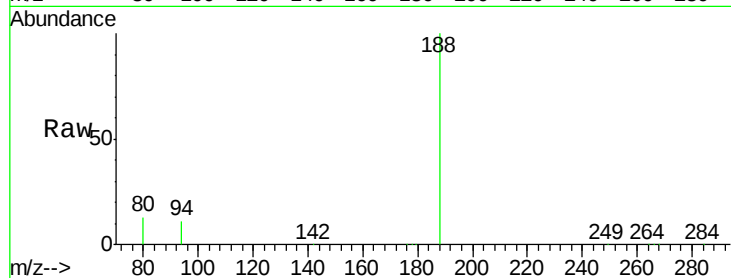




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2973
Delta R.T. 0.00 min
Lab File: BE089827.D
Acq: 25 Mar 2015 1:33

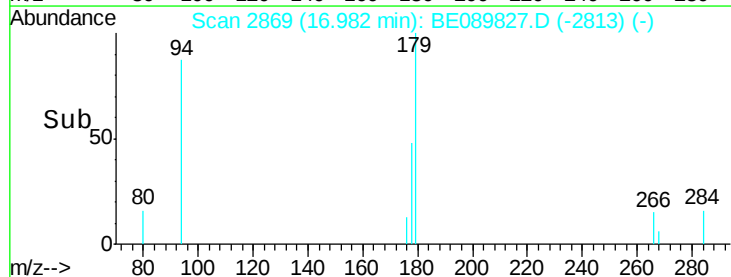
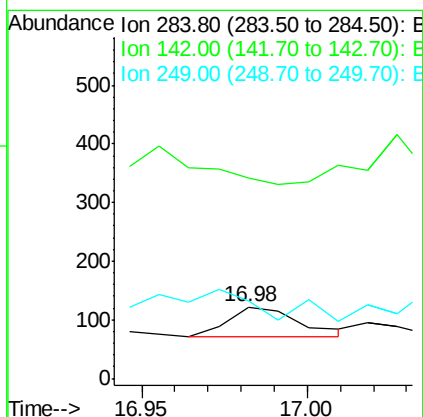
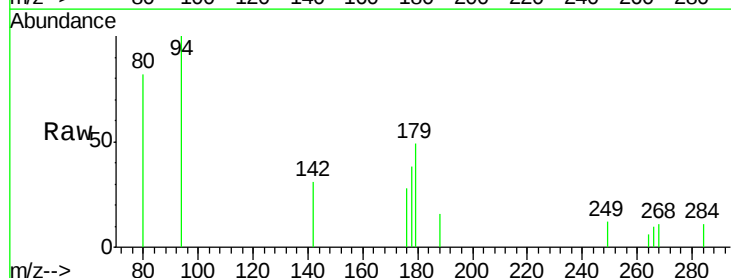
Instrument :
BNA_E
ClientSampleId :
MW-8S

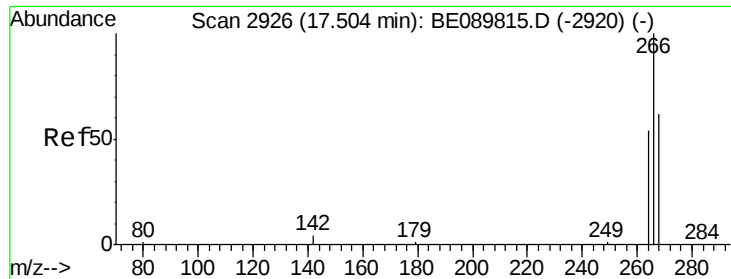
Tgt Ion:188 Resp: 1173444
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 12.9 10.0 15.0



#14
Hexachlorobenzene
Concen: 0.00 ng
RT: 16.98 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE089827.D
Acq: 25 Mar 2015 1:33

Tgt Ion:284 Resp: 79
Ion Ratio Lower Upper
284 100
142 0.0 53.3 79.9#
249 108.9 31.1 46.7#

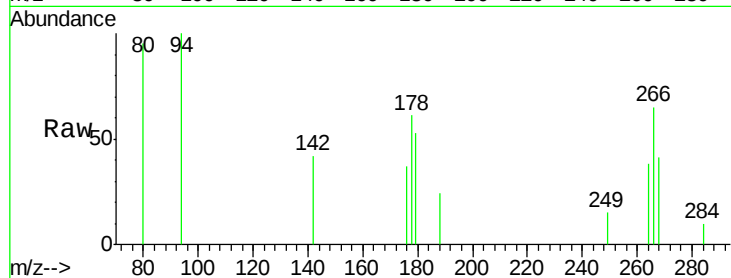




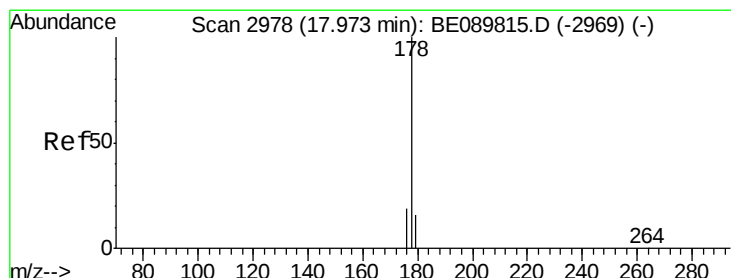
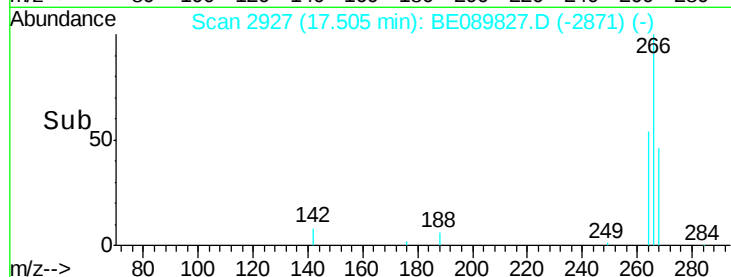
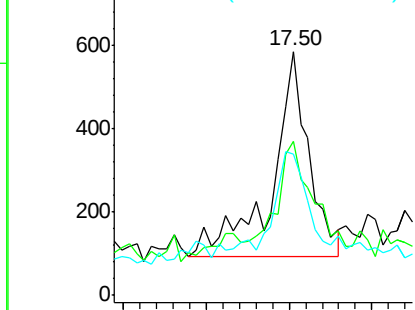
#15
 Pentachlorophenol
 Concen: Below Cal
 RT: 17.50 min Scan# 2927
 Delta R.T. 0.00 min
 Lab File: BE089827.D
 Acq: 25 Mar 2015 1:33

Instrument :
 BNA_E
 ClientSampleId :
 MW-8S

Tgt Ion: 266 Resp: 1529
 Ion Ratio Lower Upper
 266 100
 268 63.0 51.6 77.4
 264 57.7 50.2 75.2

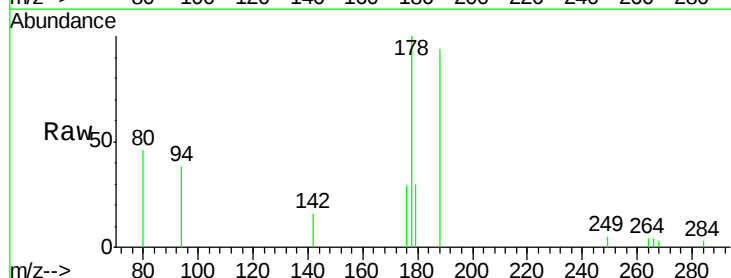


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

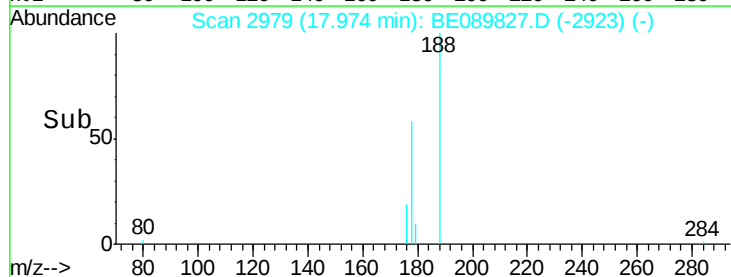
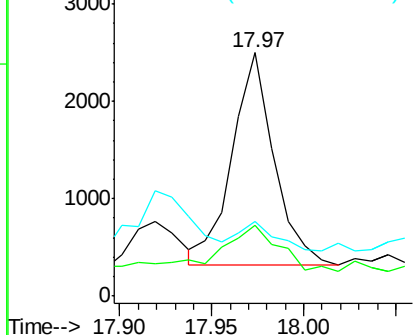


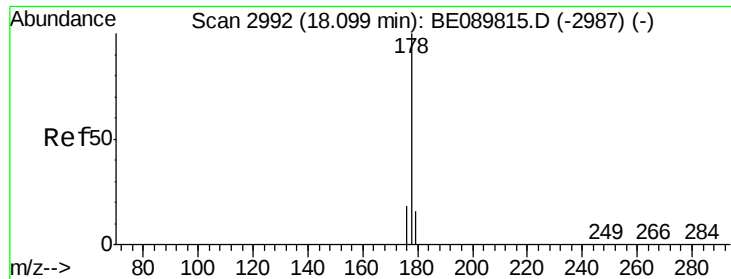
#16
 Phenanthrene
 Concen: 0.01 ng
 RT: 17.97 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: BE089827.D
 Acq: 25 Mar 2015 1:33

Tgt Ion: 178 Resp: 3455
 Ion Ratio Lower Upper
 178 100
 176 33.9 15.4 23.0#
 179 11.6 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





#17

Anthracene

Concen: 0.01 ng

RT: 18.10 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

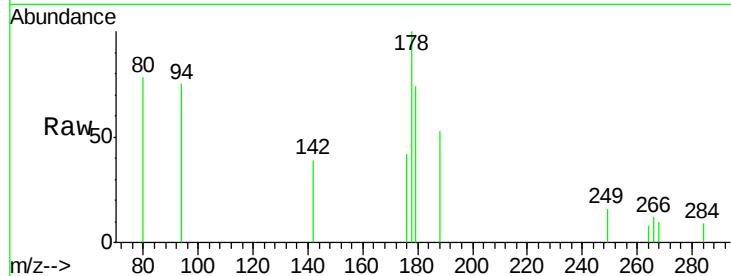
Tgt Ion:178 Resp: 1715

Ion Ratio Lower Upper

178 100

176 22.5 14.6 21.8#

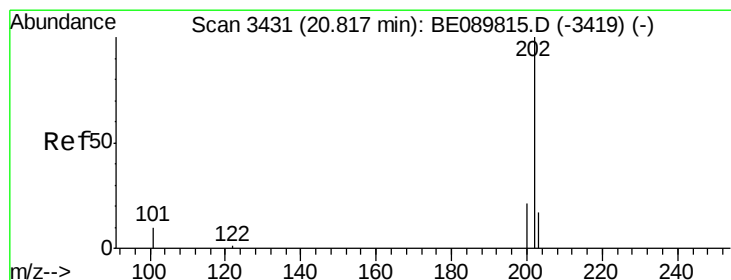
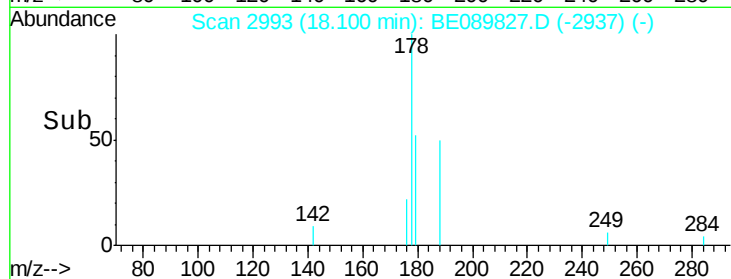
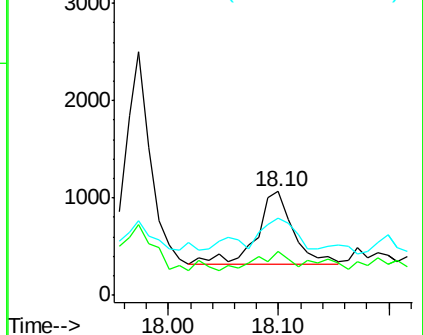
179 37.1 12.1 18.1#



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: 0.01 ng

RT: 20.82 min Scan# 3433

Delta R.T. 0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

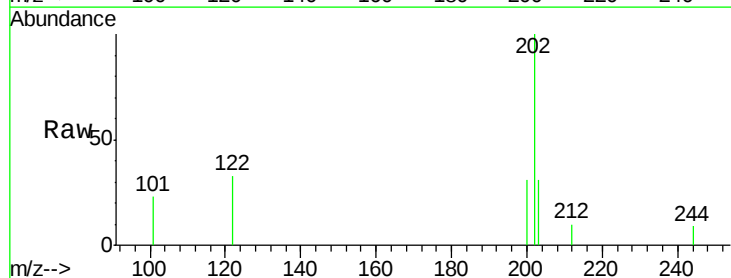
Tgt Ion:202 Resp: 3088

Ion Ratio Lower Upper

202 100

101 13.4 8.2 12.2#

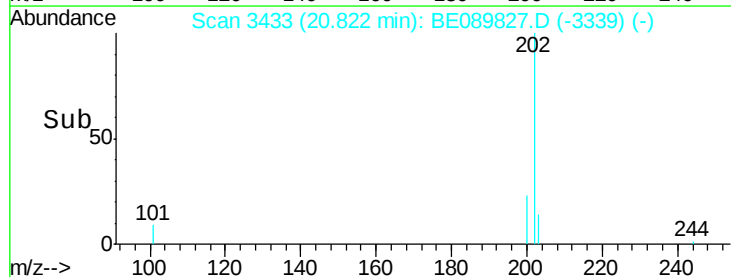
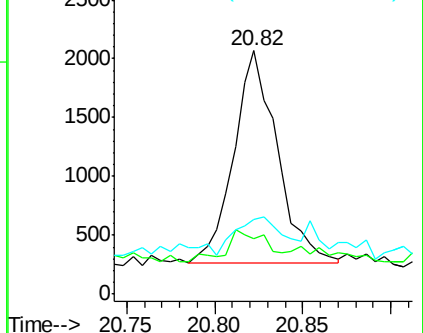
203 19.5 14.2 21.4

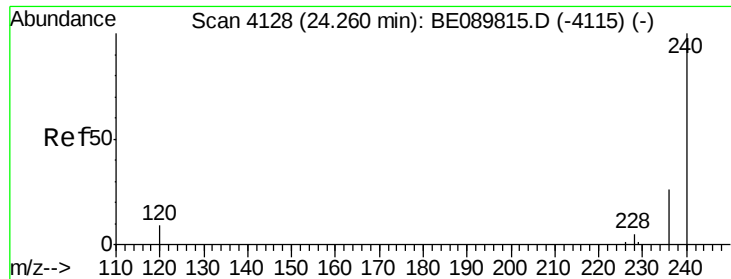


Abundance Ion 202.00 (201.70 to 202.70): E

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: 24.26 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

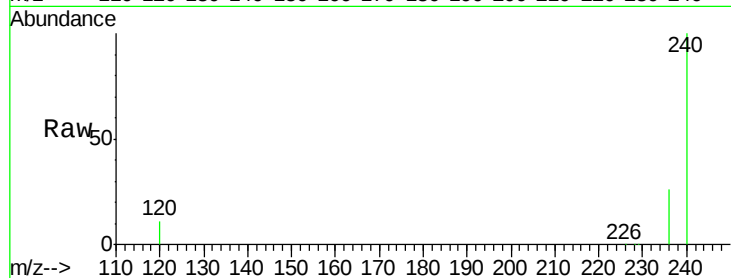
Tgt Ion:240 Resp: 925159

Ion Ratio Lower Upper

240 100

120 10.7 7.5 11.3

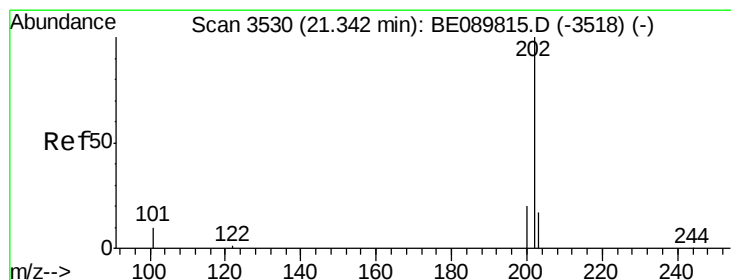
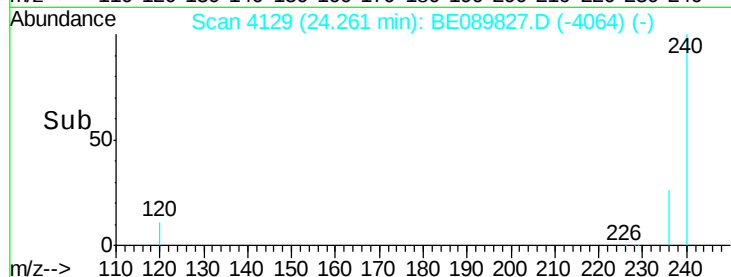
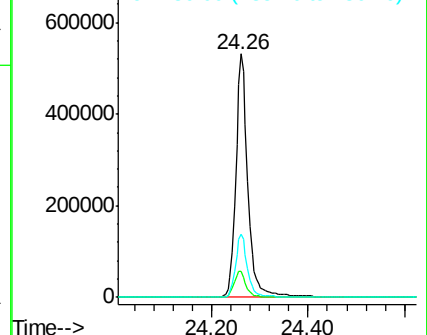
236 26.2 20.5 30.7



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: 0.01 ng

RT: 21.34 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

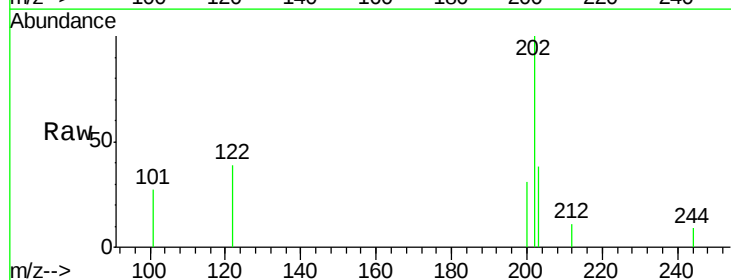
Tgt Ion:202 Resp: 2491

Ion Ratio Lower Upper

202 100

200 17.6 15.9 23.9

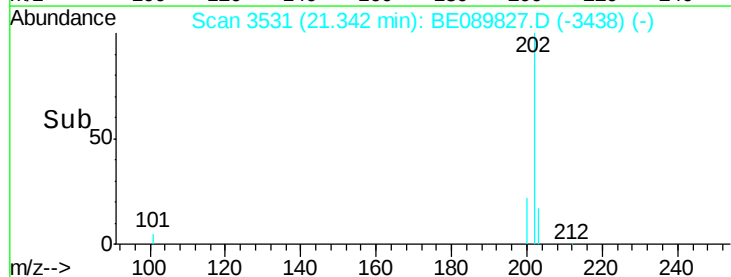
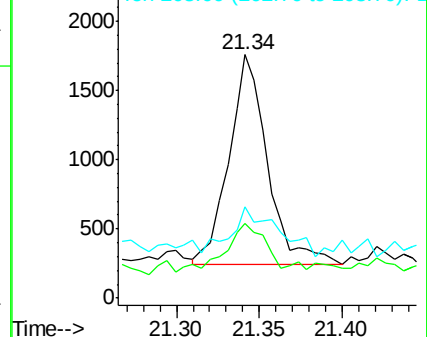
203 28.3 13.6 20.4#

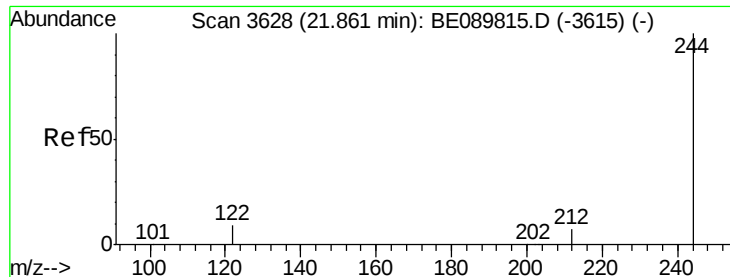


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 8.40 ng

RT: 21.86 min Scan# 3629

Delta R.T. 0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

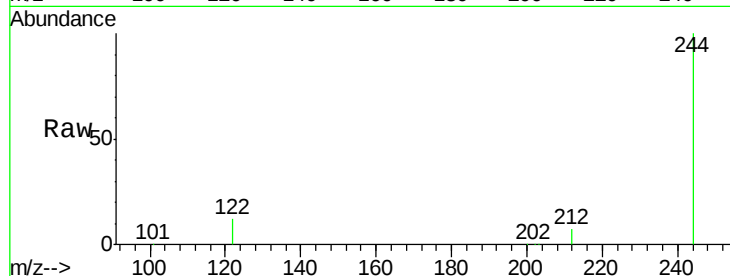
Tgt Ion:244 Resp: 1146105

Ion Ratio Lower Upper

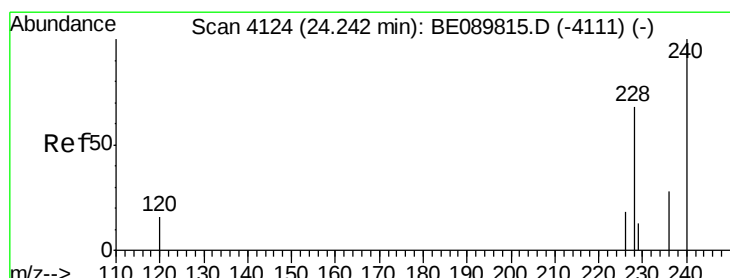
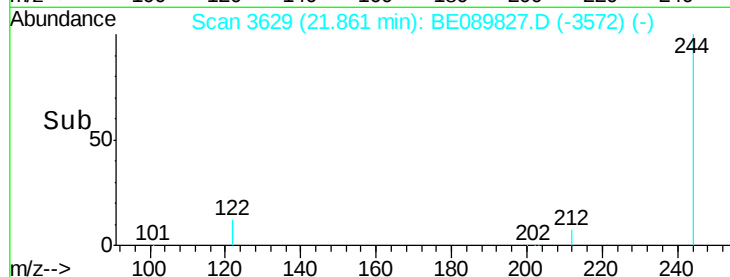
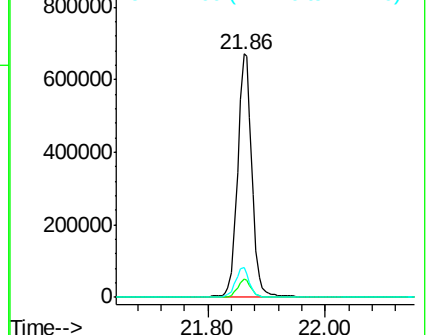
244 100

212 7.3 7.3 10.9

122 12.5 10.5 15.7



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



#22

Benzo(a)anthracene

Concen: 0.02 ng

RT: 24.26 min Scan# 4129

Delta R.T. 0.01 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

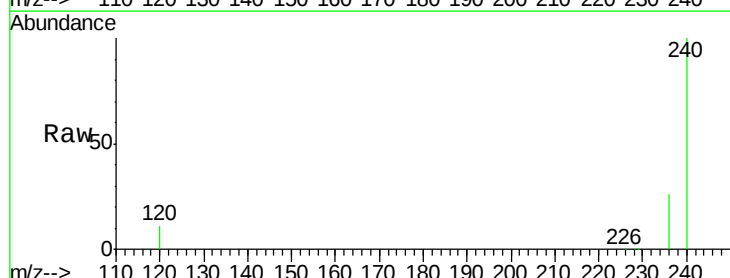
Tgt Ion:228 Resp: 3410

Ion Ratio Lower Upper

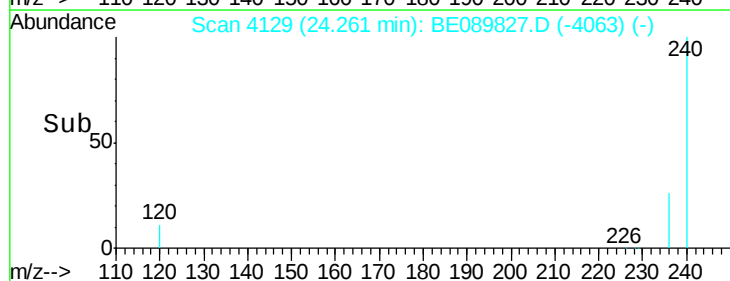
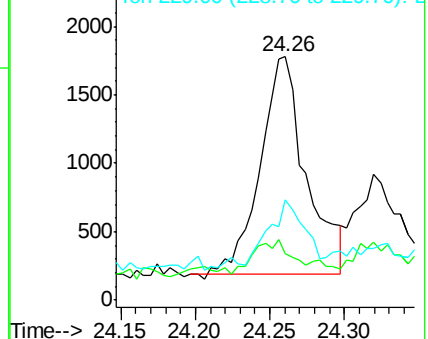
228 100

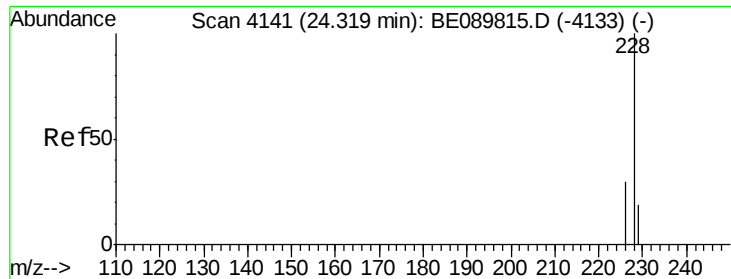
226 19.0 19.8 29.8#

229 41.1 16.3 24.5#



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: 0.01 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

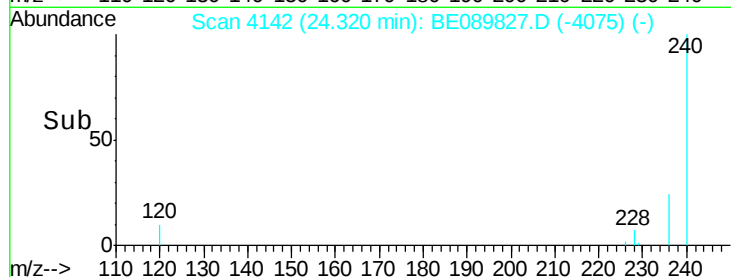
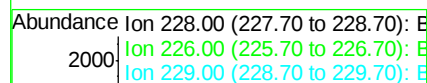
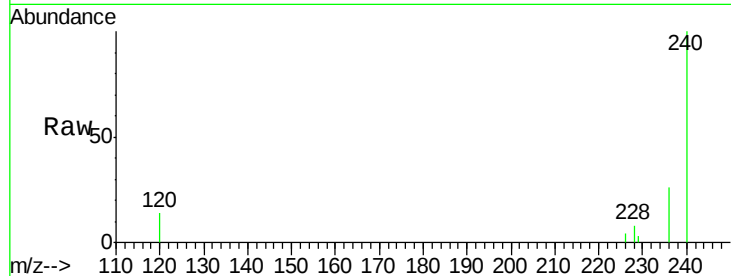
Tgt Ion:228 Resp: 1330

Ion Ratio Lower Upper

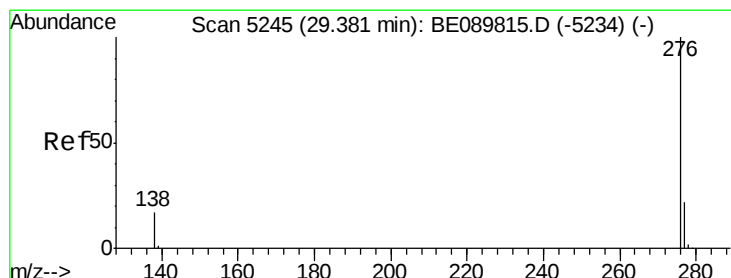
228 100

226 46.3 23.0 34.4#

229 40.7 15.8 23.6#



Time-->



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng

RT: 29.38 min Scan# 5245

Delta R.T. -0.01 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

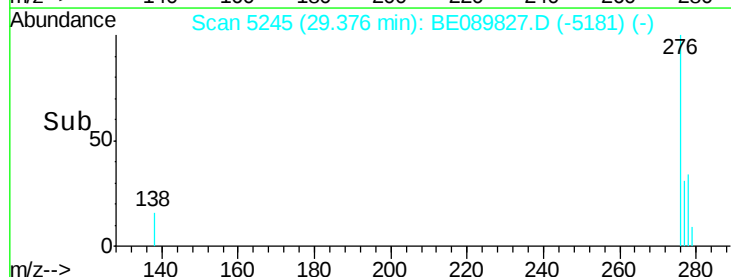
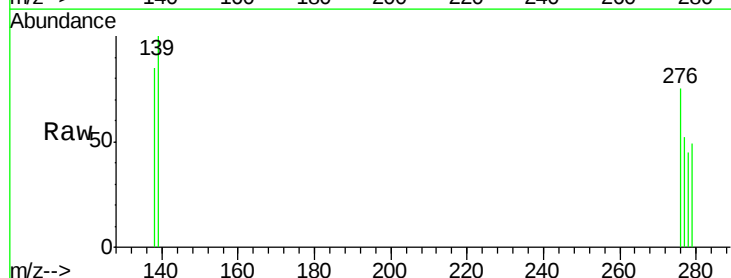
Tgt Ion:276 Resp: 340

Ion Ratio Lower Upper

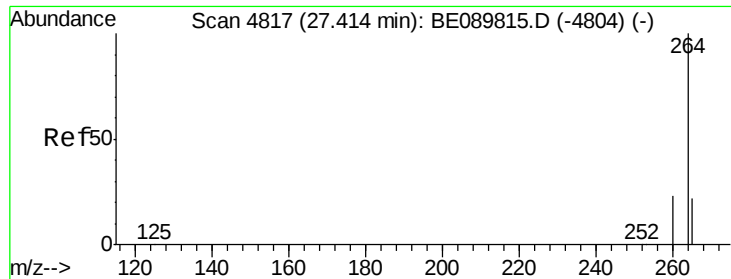
276 100

138 55.0 4.3 6.5#

277 43.8 9.0 13.4#



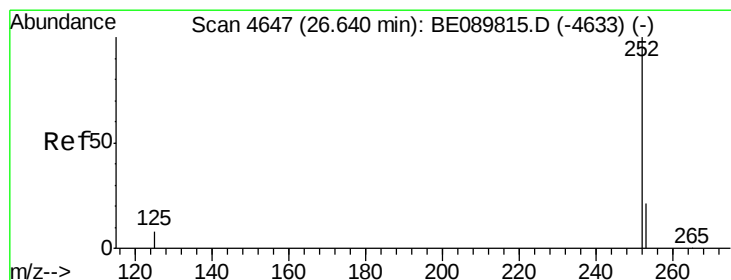
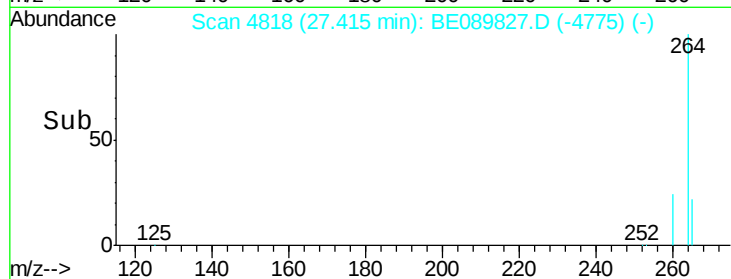
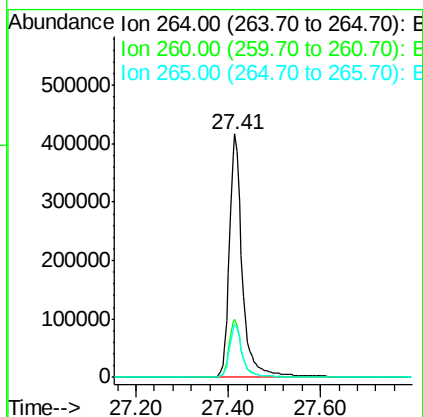
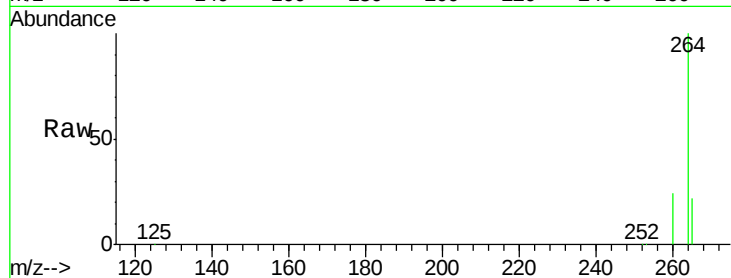
Time-->



#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4818
 Delta R.T. 0.00 min
 Lab File: BE089827.D
 Acq: 25 Mar 2015 1:33

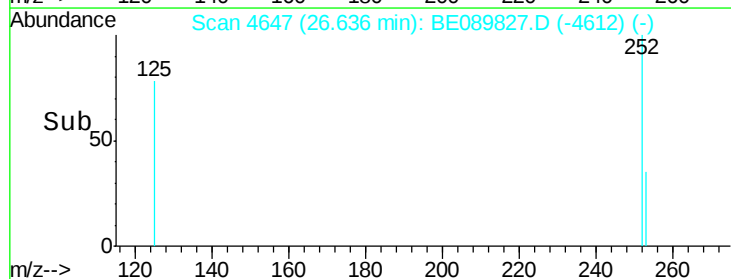
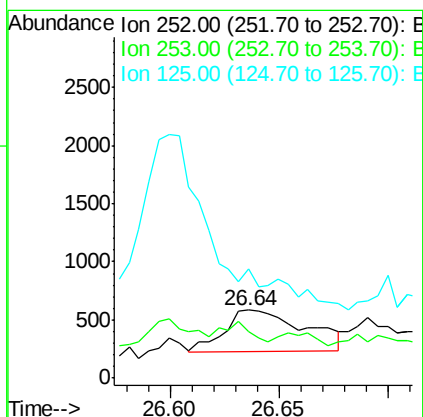
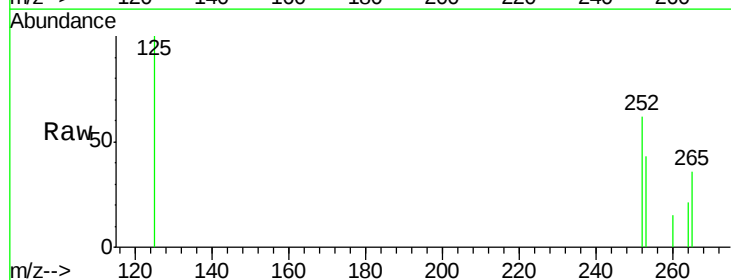
Instrument :
 BNA_E
 ClientSampleId :
 MW-8S

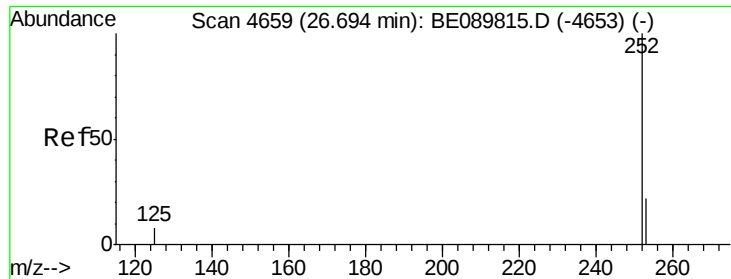
Tgt Ion: 264 Resp: 804880
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.2 27.2
 265 21.8 17.3 25.9



#26
Benzo(b)fluoranthene
 Concen: 0.32 ng
 RT: 26.64 min Scan# 4647
 Delta R.T. 0.00 min
 Lab File: BE089827.D
 Acq: 25 Mar 2015 1:33

Tgt Ion: 252 Resp: 917
 Ion Ratio Lower Upper
 252 100
 253 68.8 17.8 26.6#
 125 161.1 8.7 13.1#





#27

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 26.69 min Scan# 4659

Delta R.T. -0.01 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

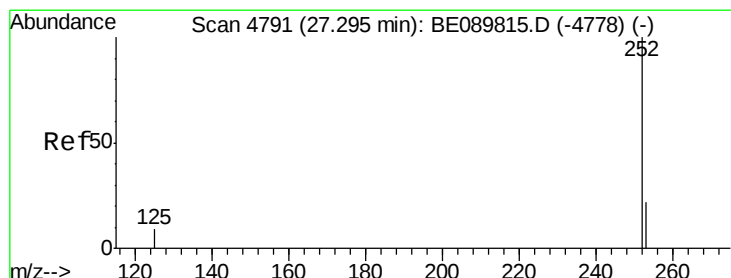
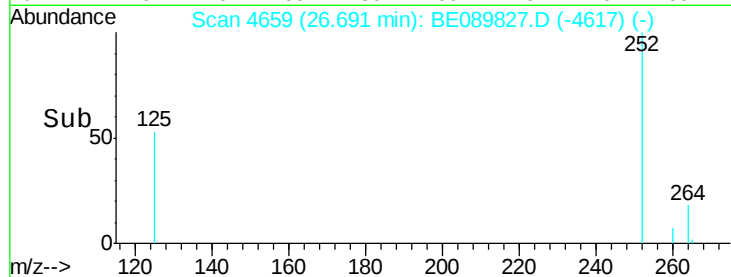
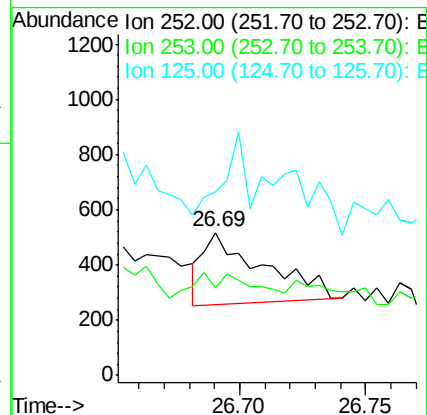
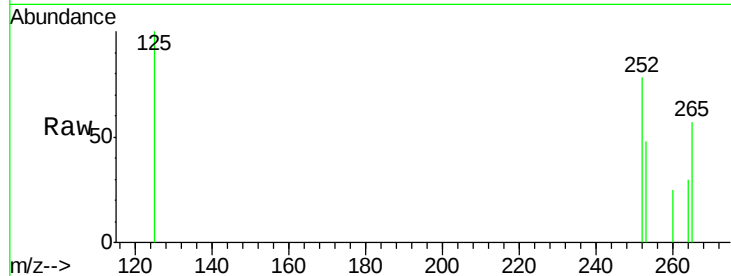
Tgt Ion:252 Resp: 428

Ion Ratio Lower Upper

252 100

253 61.3 18.6 28.0#

125 128.2 10.8 16.2#



#28

Benzo(a)pyrene

Concen: 0.30 ng

RT: 27.29 min Scan# 4791

Delta R.T. -0.01 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

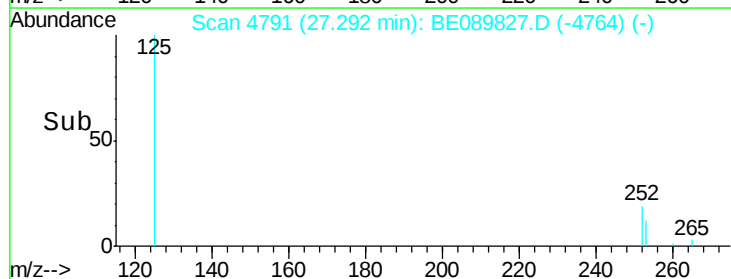
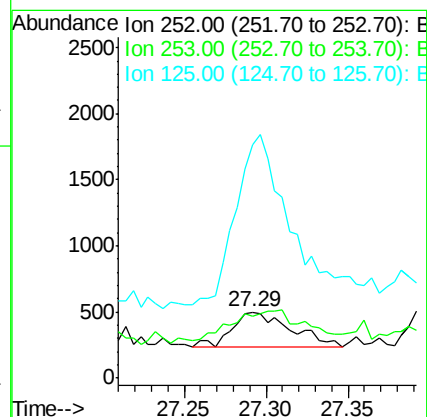
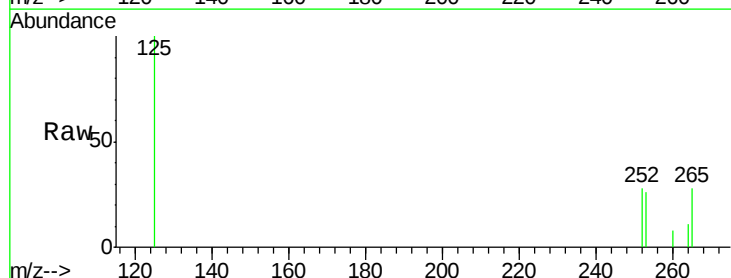
Tgt Ion:252 Resp: 687

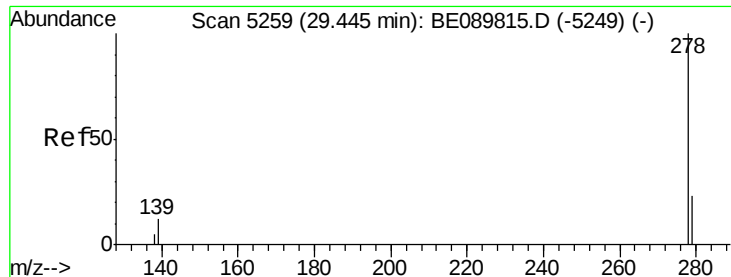
Ion Ratio Lower Upper

252 100

253 93.8 21.0 31.4#

125 354.2 13.3 19.9#





#29

Dibenzo(a,h)anthracene

Concen: 0.42 ng

RT: 29.44 min Scan# 5259

Delta R.T. -0.00 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Instrument :

BNA_E

ClientSampleId :

MW-8S

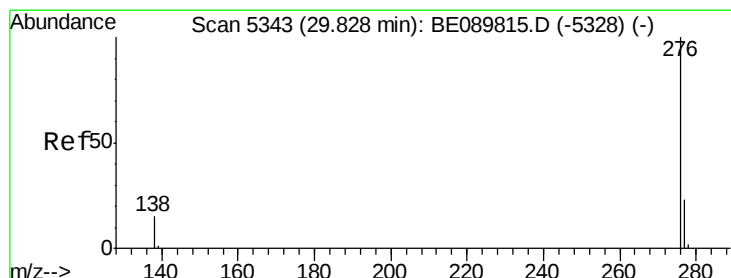
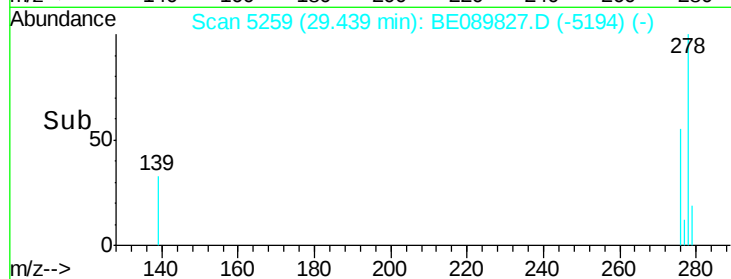
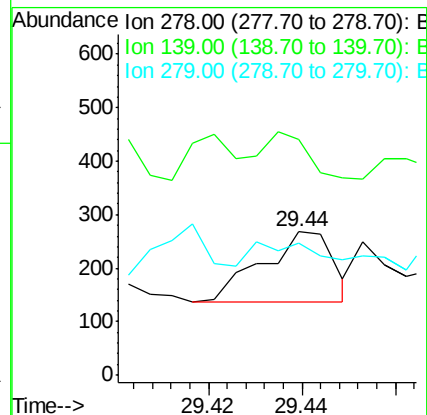
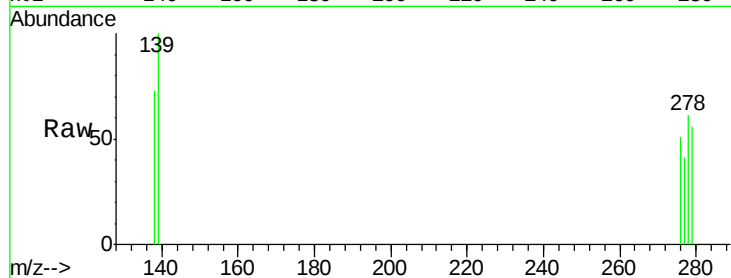
Tgt Ion: 278 Resp: 139

Ion Ratio Lower Upper

278 100

139 164.9 20.0 30.0#

279 92.2 28.9 43.3#



#30

Benzo(g,h,i)perylene

Concen: 0.25 ng

RT: 29.83 min Scan# 5344

Delta R.T. 0.01 min

Lab File: BE089827.D

Acq: 25 Mar 2015 1:33

Tgt Ion: 276 Resp: 392

Ion Ratio Lower Upper

276 100

277 49.5 19.2 28.8#

138 84.9 22.9 34.3#

