

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089843.D
 Acq On : 25 Mar 2015 18:48
 Operator : TP/JJ
 Sample : G1575-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RW-11V

Quant Time: Mar 26 03:27:32 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

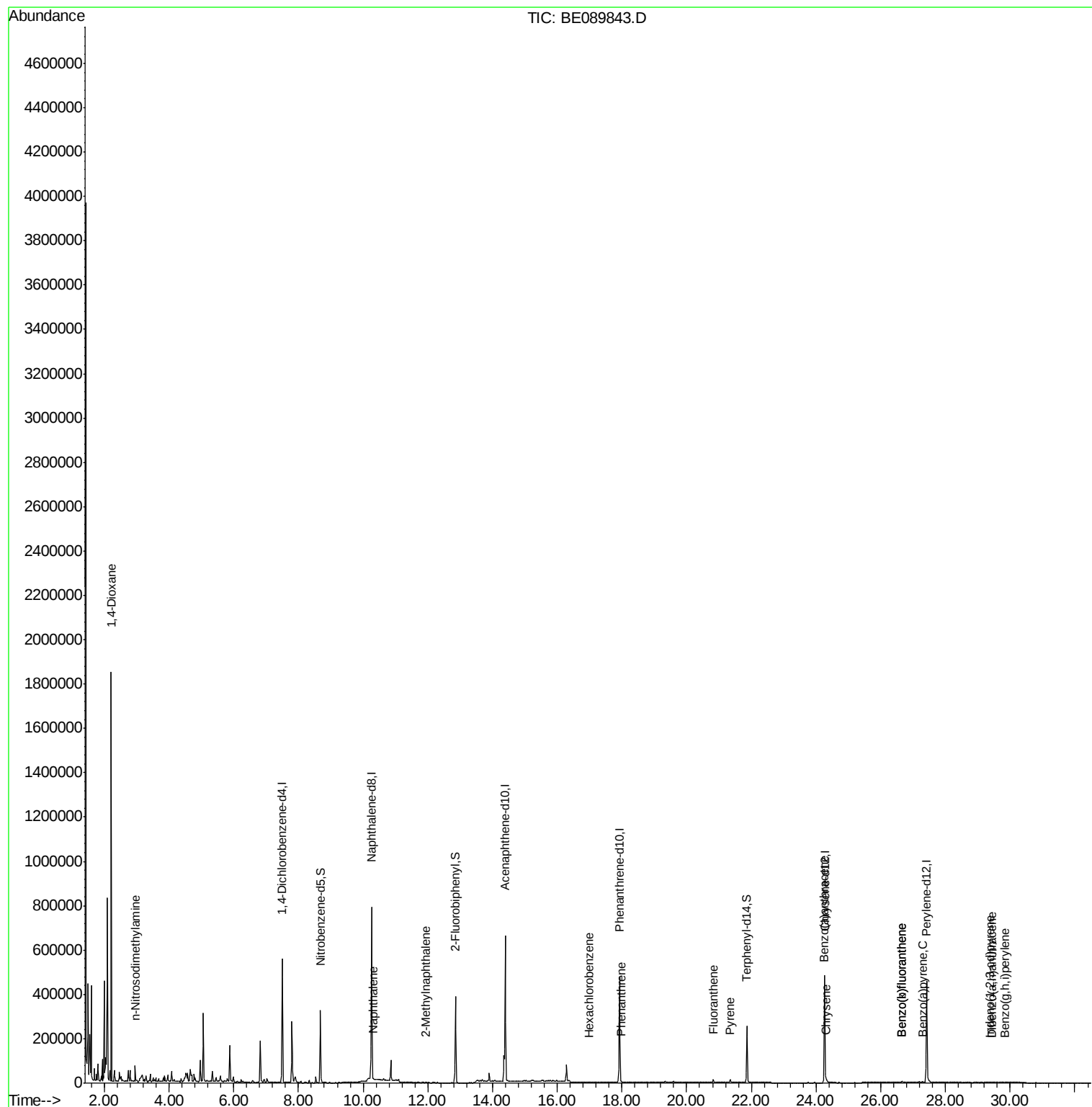
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	240187	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	949140	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	402337	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	668421	5.00	ng	0.00
19) Chrysene-d12	24.26	240	635817	5.00	ng	0.00
25) Perylene-d12	27.42	264	586955	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	260238	3.90	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	364140	3.87	ng	0.00
21) Terphenyl-d14	21.87	244	346670	3.70	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.22	88	48112	1.55	ng	# 1
3) n-Nitrosodimethylamine	2.96	42	5018	0.11	ng	# 11
6) Naphthalene	10.31	128	4106	0.02	ng	# 1
7) 2-Methylnaphthalene	11.93	142	2850	0.03	ng	# 83
14) Hexachlorobenzene	16.99	284	956	0.04	ng	# 74
15) Pentachlorophenol	17.50	266	819	Below Cal		# 82
16) Phenanthrene	17.97	178	8010	0.05	ng	# 95
18) Fluoranthene	20.83	202	16470	0.12	ng	# 94
20) Pyrene	21.35	202	13452	0.08	ng	# 94
22) Benzo(a)anthracene	24.25	228	6013	0.05	ng	# 87
23) Chrysene	24.32	228	9411	0.07	ng	# 85
24) Indeno(1,2,3-cd)pyrene	29.39	276	2820	0.44	ng	# 61
26) Benzo(b)fluoranthene	26.65	252	9532	0.38	ng	# 58
27) Benzo(k)fluoranthene	26.65	252	9532	0.08	ng	# 62
28) Benzo(a)pyrene	27.30	252	4483	0.33	ng	# 22
29) Dibenzo(a,h)anthracene	29.44	278	653	0.27	ng	# 1
30) Benzo(g,h,i)perylene	29.84	276	4928	0.29	ng	# 72

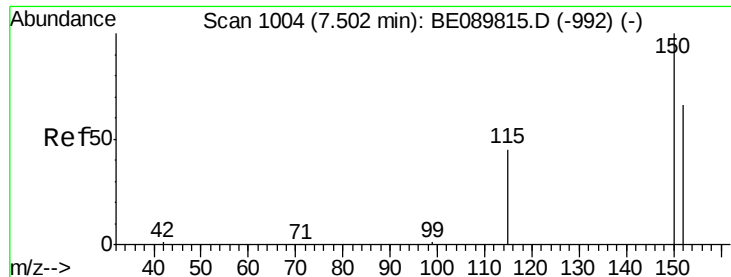
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

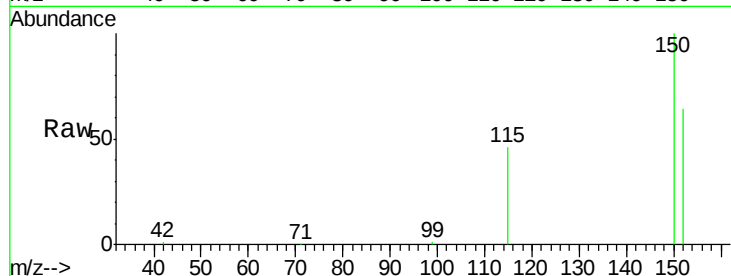
Tgt Ion:152 Resp: 240187

Ion Ratio Lower Upper

152 100

150 156.8 125.5 188.3

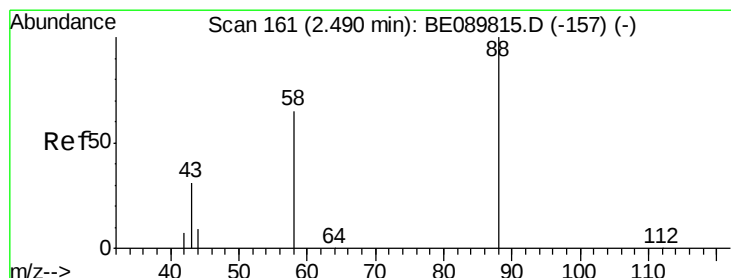
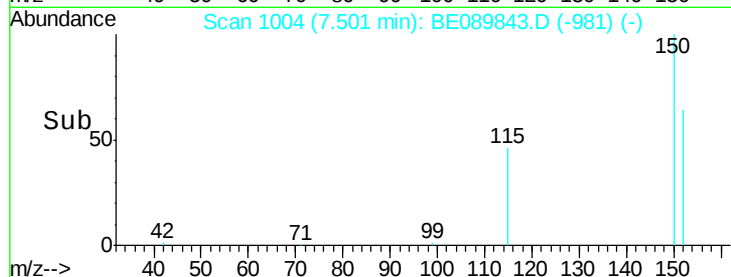
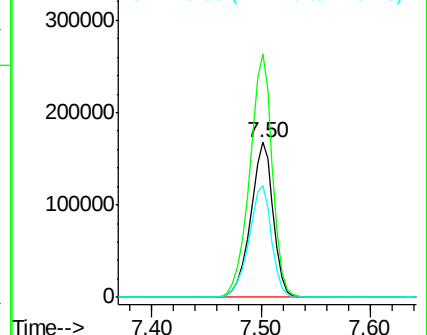
115 71.7 58.0 87.0



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



#2

1,4-Dioxane

Concen: 1.55 ng

RT: 2.22 min Scan# 121

Delta R.T. -0.30 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

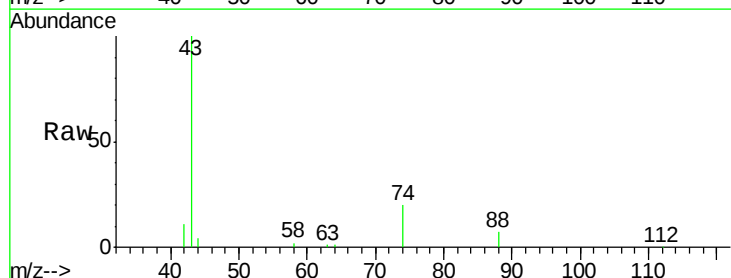
Tgt Ion: 88 Resp: 48112

Ion Ratio Lower Upper

88 100

58 30.5 48.6 72.8#

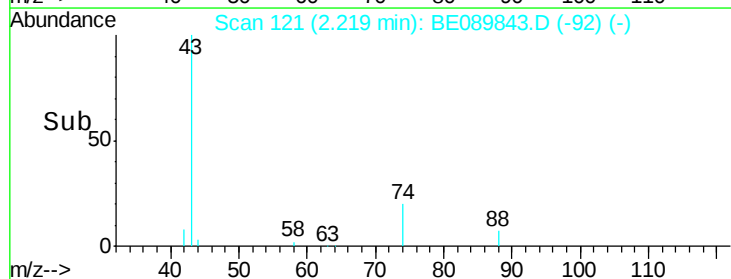
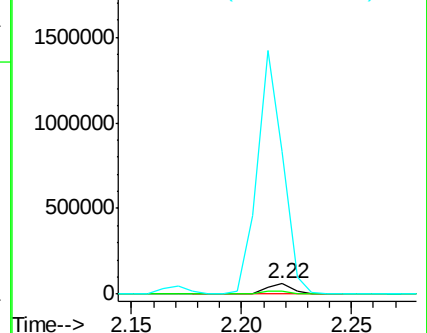
43 2393.5 28.6 43.0#

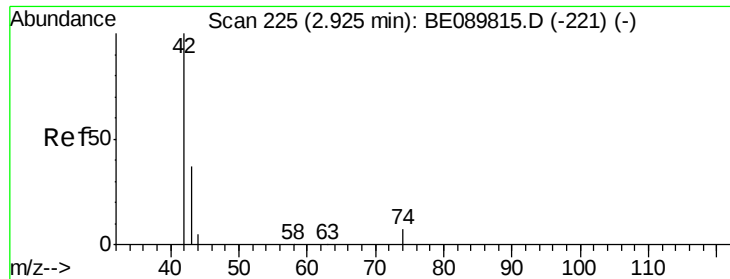


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.11 ng

RT: 2.96 min Scan# 230

Delta R.T. -0.03 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

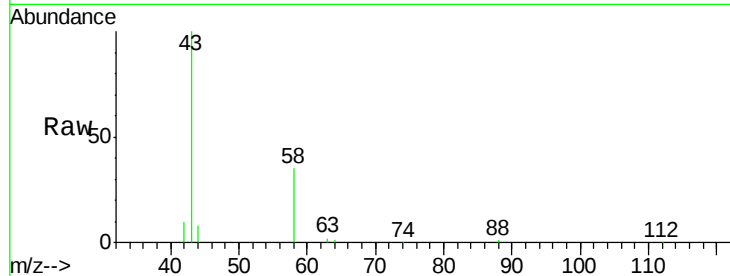
Tgt Ion: 42 Resp: 5018

Ion Ratio Lower Upper

42 100

74 0.0 68.7 103.1#

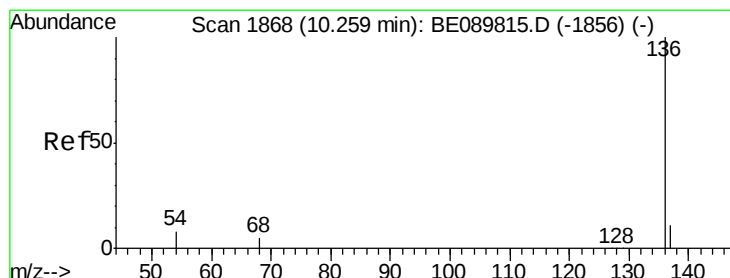
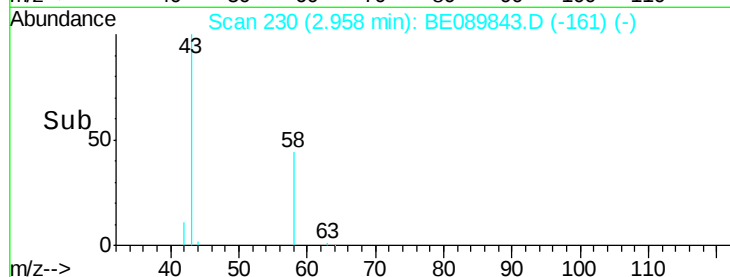
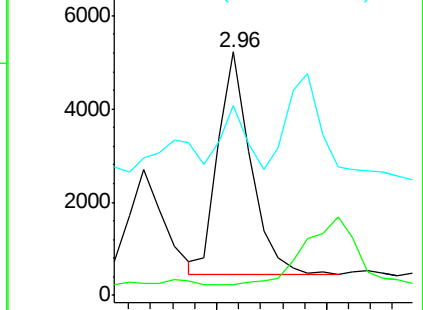
44 21.2 6.2 9.4#



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# 1869

Delta R.T. 0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

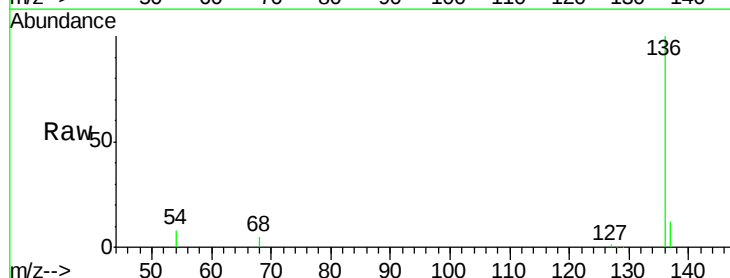
Tgt Ion: 136 Resp: 949140

Ion Ratio Lower Upper

136 100

137 12.5 8.8 13.2

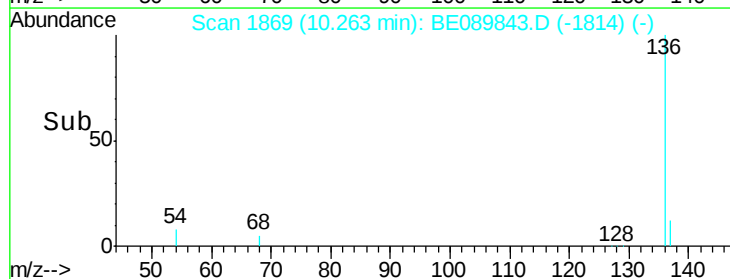
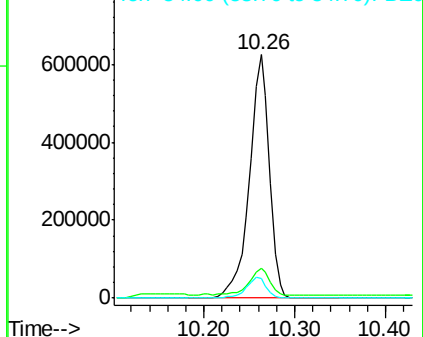
54 8.0 7.0 10.4

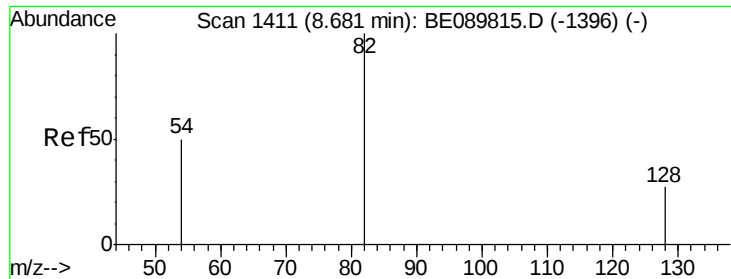


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 3.90 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

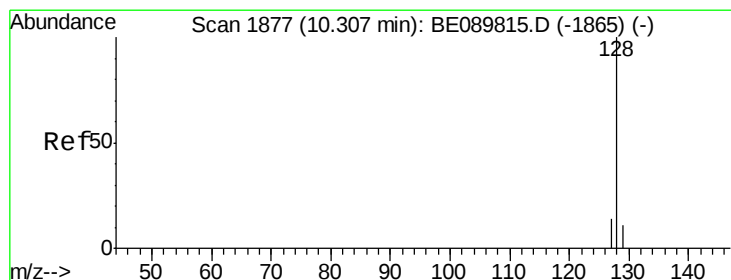
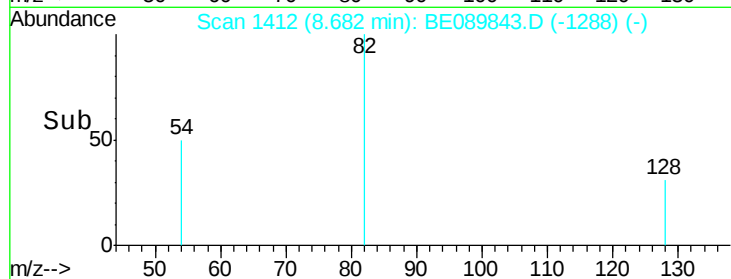
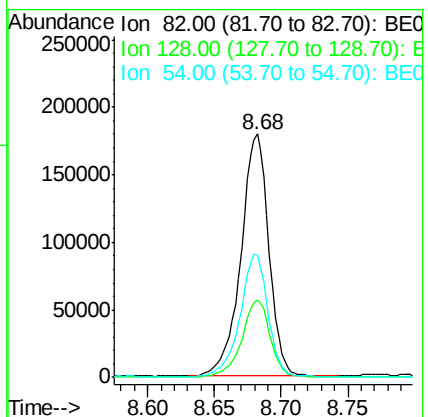
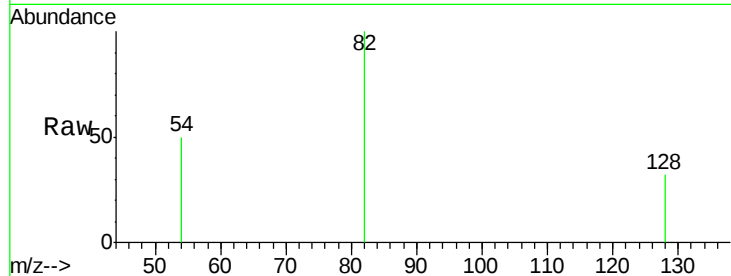
Tgt Ion: 82 Resp: 260238

Ion Ratio Lower Upper

82 100

128 31.6 24.6 37.0

54 50.1 43.0 64.6



#6

Naphthalene

Concen: 0.02 ng

RT: 10.31 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

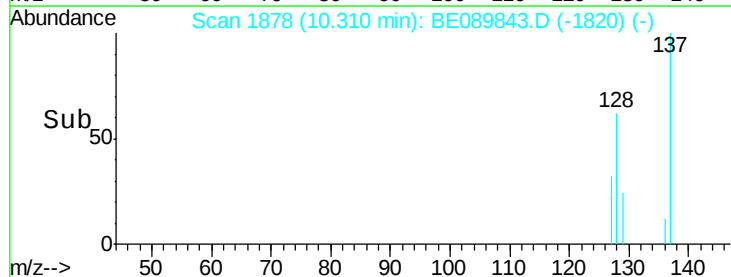
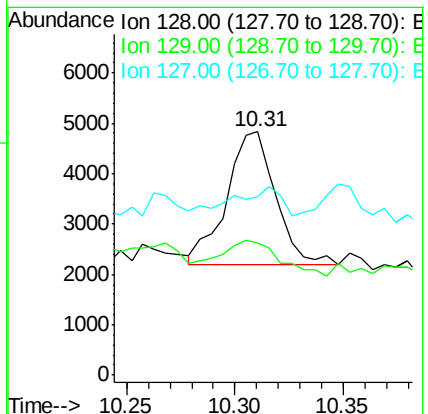
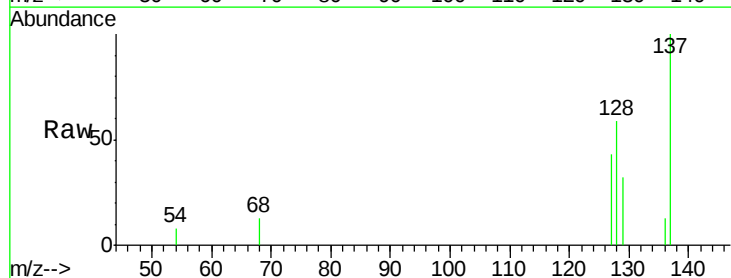
Tgt Ion: 128 Resp: 4106

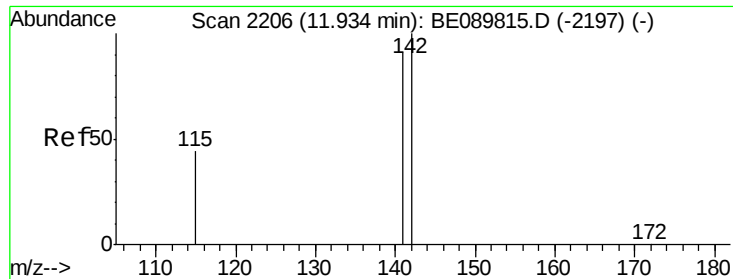
Ion Ratio Lower Upper

128 100

129 54.4 10.0 15.0#

127 73.4 12.5 18.7#





#7

2-Methylnaphthalene

Concen: 0.03 ng

RT: 11.93 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

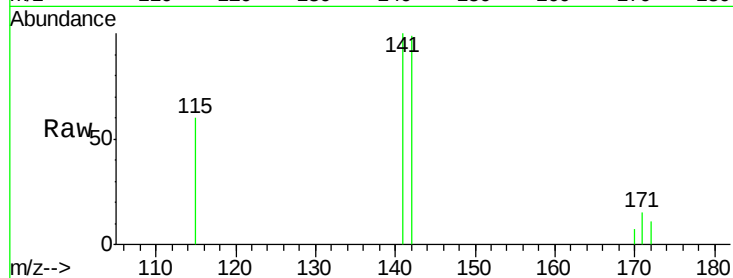
Tgt Ion:142 Resp: 2850

Ion Ratio Lower Upper

142 100

141 100.8 72.8 109.2

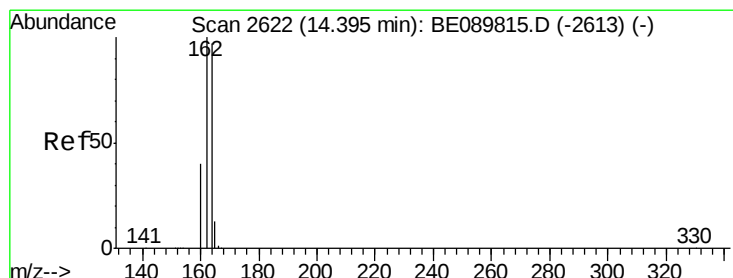
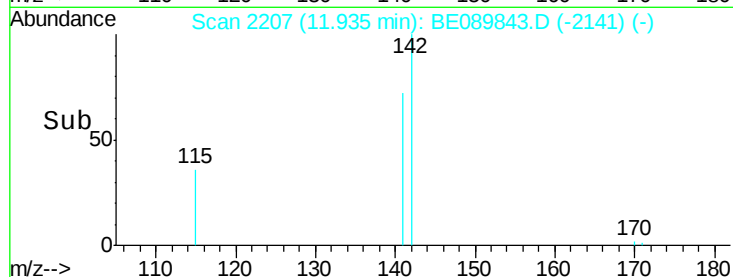
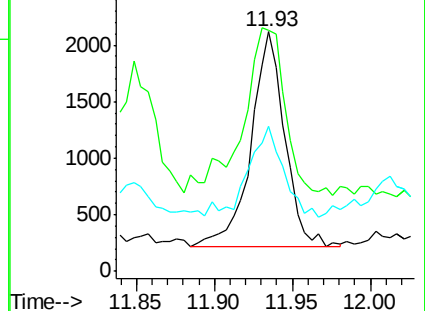
115 60.6 32.9 49.3#



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: 14.40 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

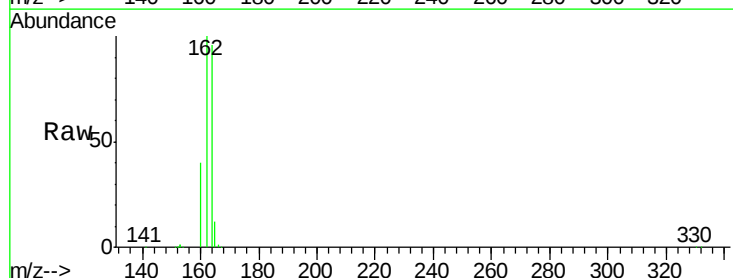
Tgt Ion:164 Resp: 402337

Ion Ratio Lower Upper

164 100

162 104.4 87.6 131.4

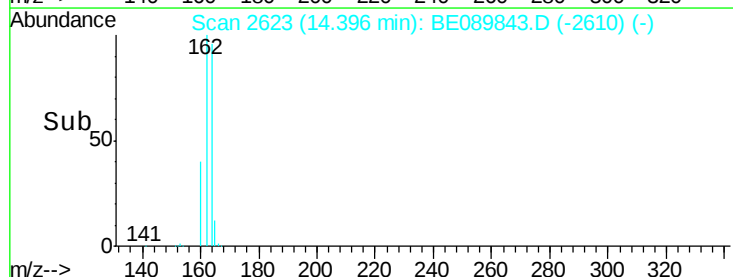
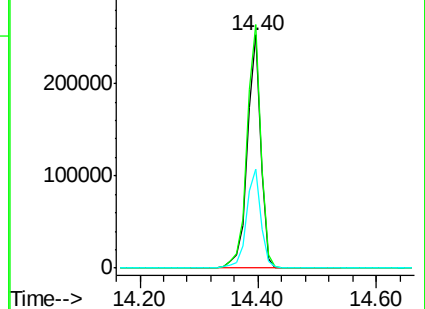
160 42.2 36.7 55.1

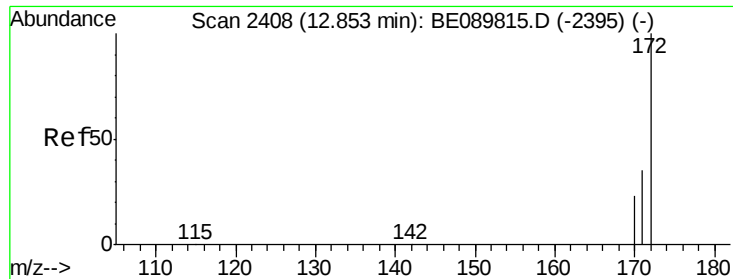


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

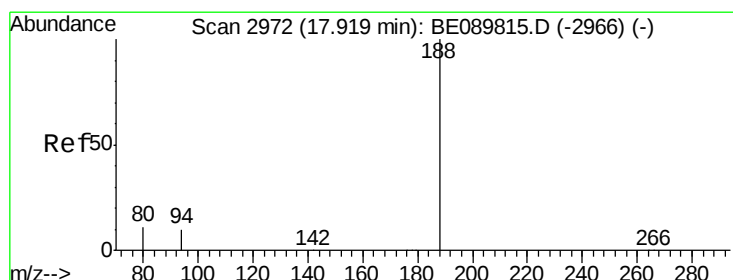
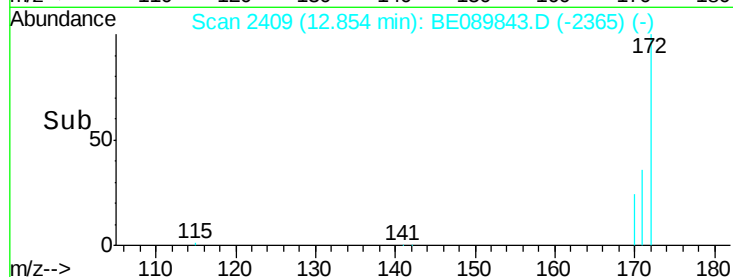
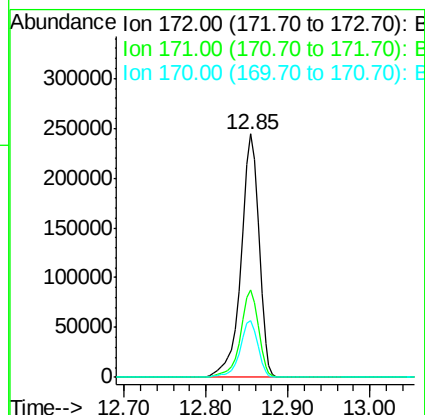
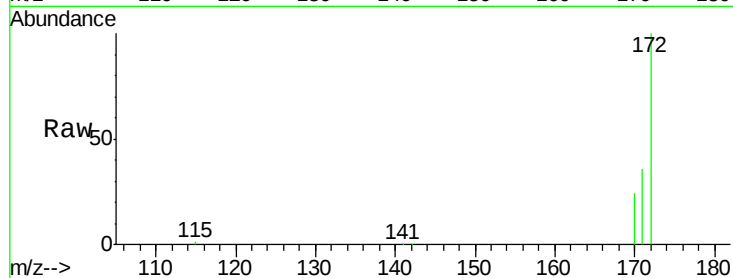




#9
2-Fluorobiphenyl
Concen: 3.87 ng
RT: 12.85 min Scan# 2409
Delta R.T. 0.00 min
Lab File: BE089843.D
Acq: 25 Mar 2015 18:48

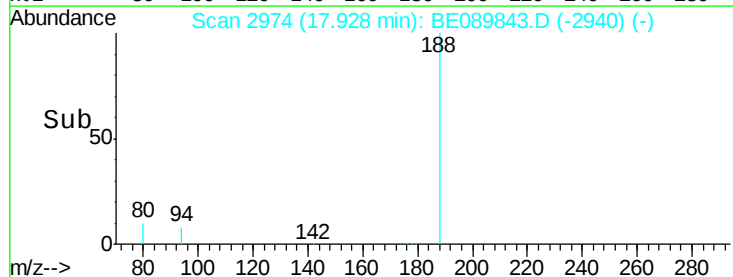
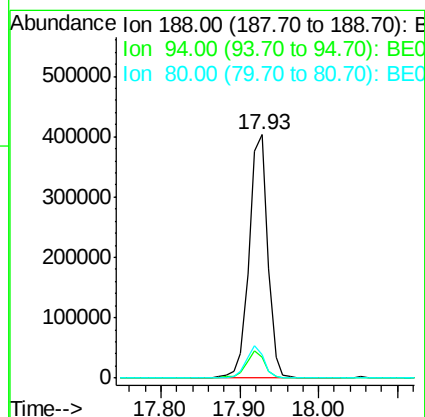
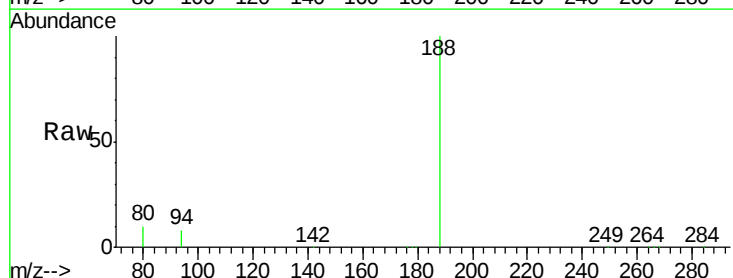
Instrument :
BNA_E
ClientSampleId :
RW-11V

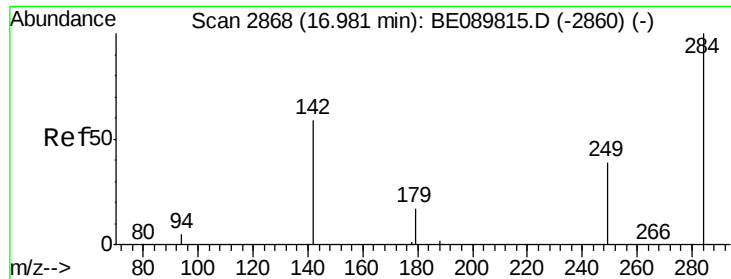
Tgt Ion:172 Resp: 364140
Ion Ratio Lower Upper
172 100
171 36.1 30.8 46.2
170 23.6 21.0 31.4



#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2974
Delta R.T. 0.01 min
Lab File: BE089843.D
Acq: 25 Mar 2015 18:48

Tgt Ion:188 Resp: 668421
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 9.7 10.0 15.0#

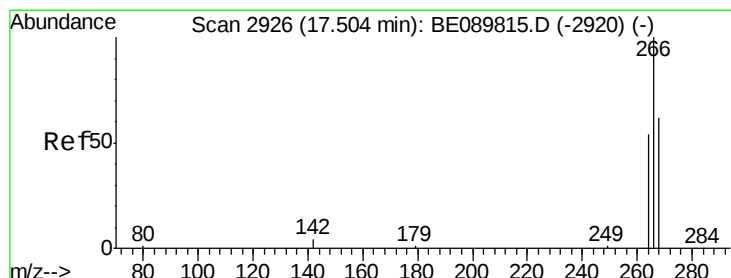
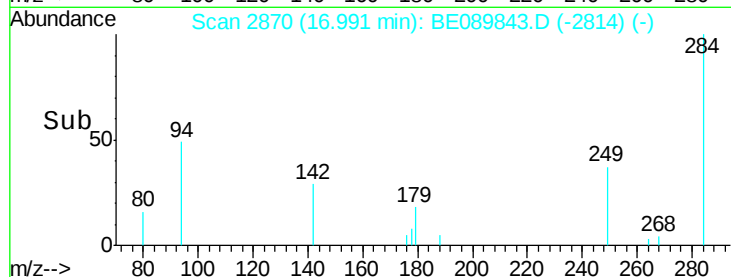
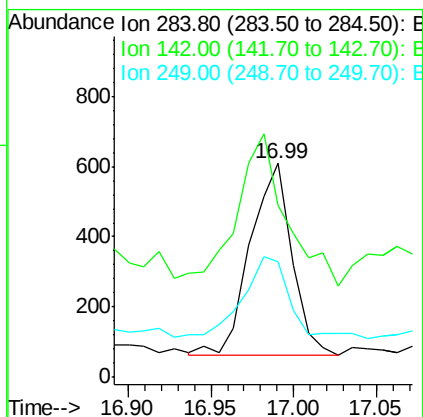
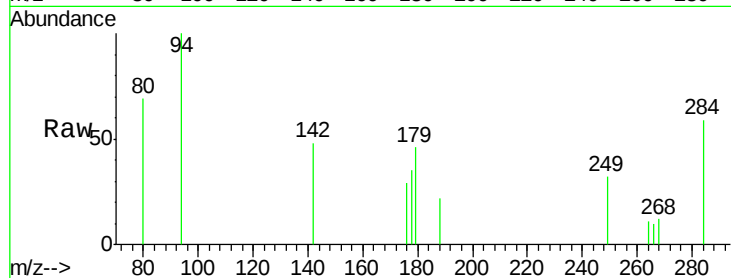




#14
Hexachlorobenzene
Concen: 0.04 ng
RT: 16.99 min Scan# 2870
Delta R.T. 0.01 min
Lab File: BE089843.D
Acq: 25 Mar 2015 18:48

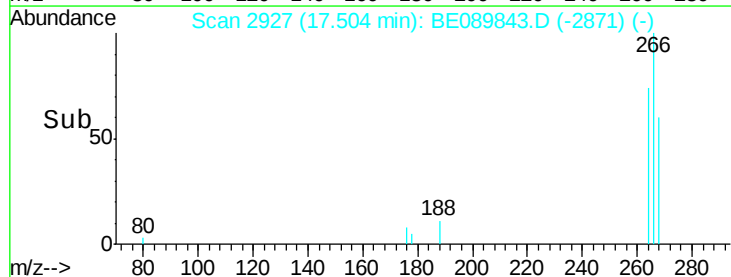
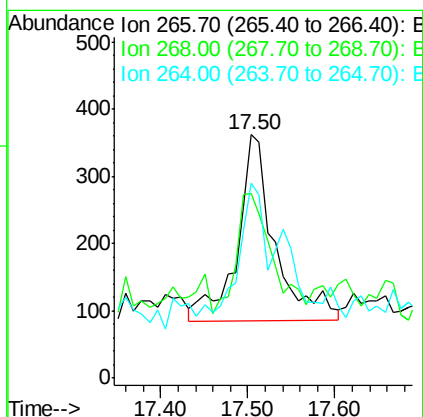
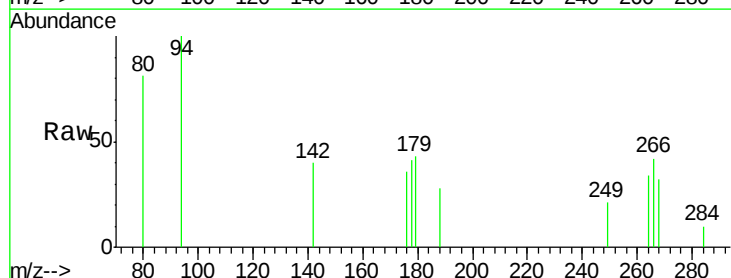
Instrument :
BNA_E
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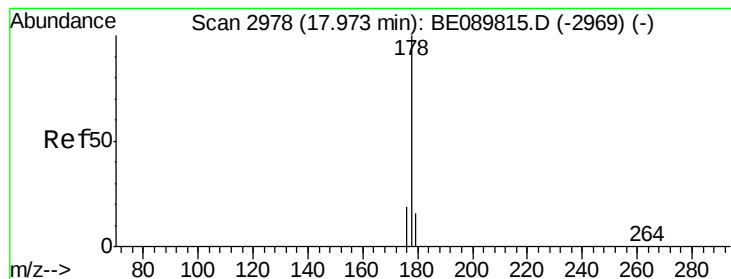
Tgt Ion: 284 Resp: 956
Ion Ratio Lower Upper
284 100
142 92.8 53.3 79.9#
249 47.9 31.1 46.7#



#15
Pentachlorophenol
Concen: Below Cal
RT: 17.50 min Scan# 2927
Delta R.T. 0.00 min
Lab File: BE089843.D
Acq: 25 Mar 2015 18:48

Tgt Ion: 266 Resp: 819
Ion Ratio Lower Upper
266 100
268 76.0 51.6 77.4
264 80.1 50.2 75.2#





#16

Phenanthrene

Concen: 0.05 ng

RT: 17.97 min Scan# 2979

Delta R.T. -0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

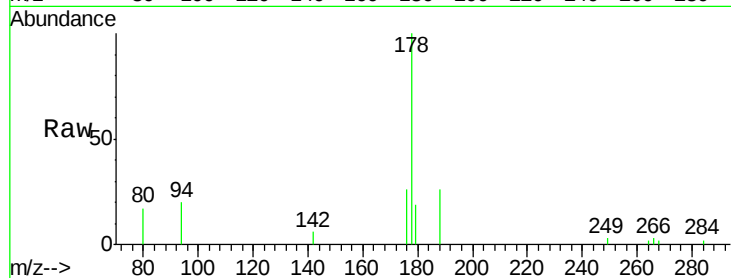
Tgt Ion:178 Resp: 8010

Ion Ratio Lower Upper

178 100

176 22.6 15.4 23.0

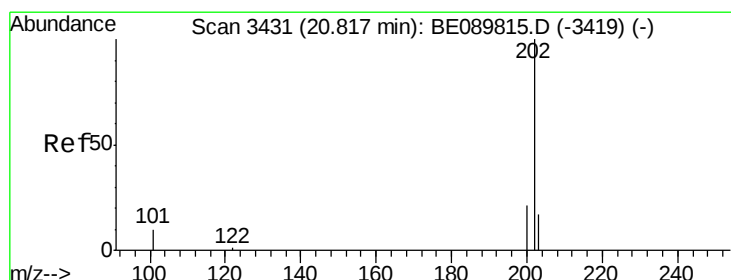
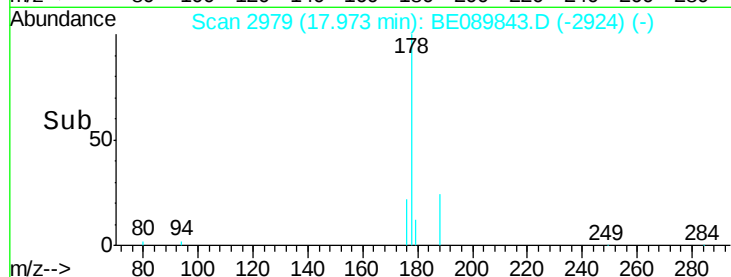
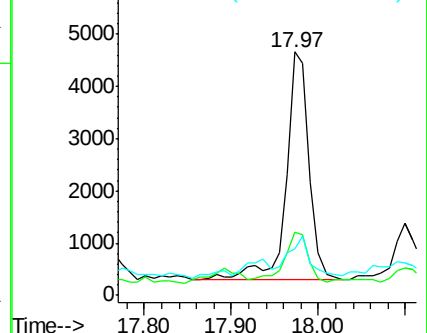
179 14.8 12.2 18.4



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



#18

Fluoranthene

Concen: 0.12 ng

RT: 20.83 min Scan# 3434

Delta R.T. 0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

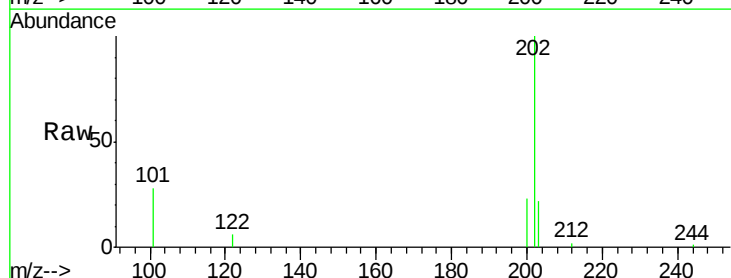
Tgt Ion:202 Resp: 16470

Ion Ratio Lower Upper

202 100

101 13.1 8.2 12.2#

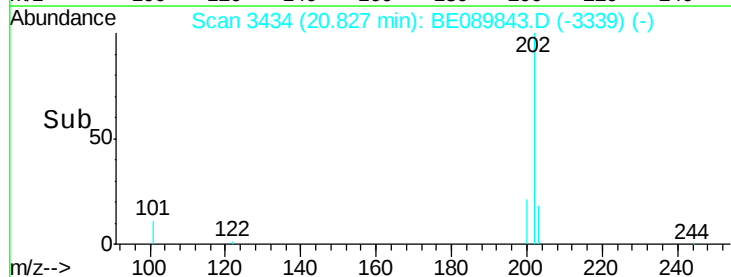
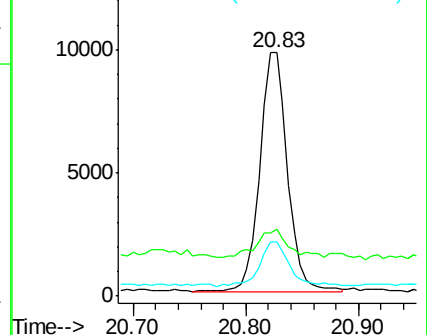
203 19.7 14.2 21.4

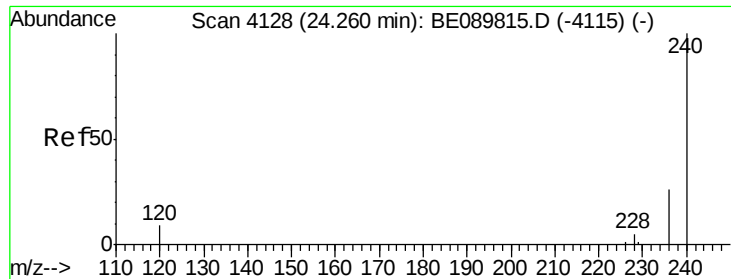


Abundance Ion 202.00 (201.70 to 202.70): E

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# 4130

Delta R.T. 0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

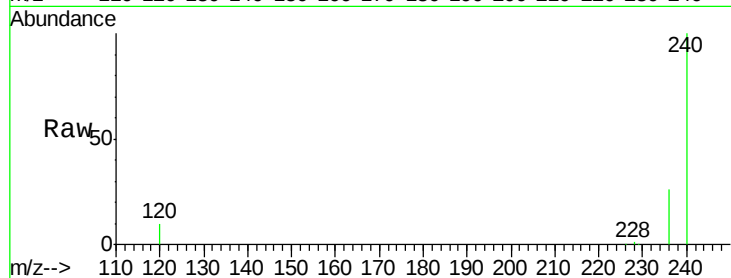
Tgt Ion:240 Resp: 635817

Ion Ratio Lower Upper

240 100

120 10.4 7.5 11.3

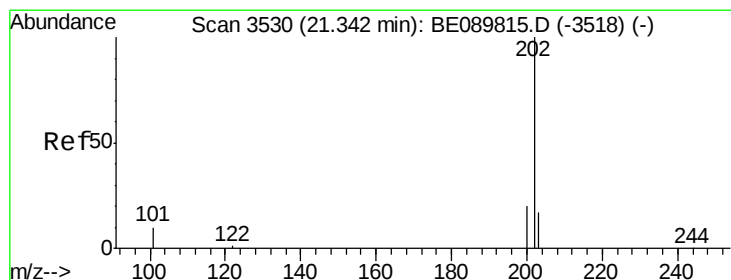
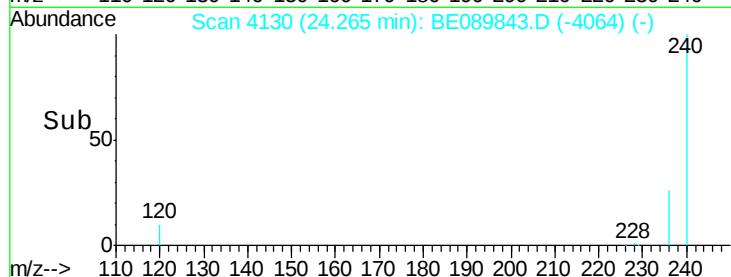
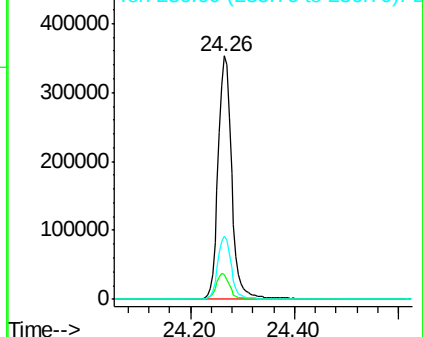
236 25.9 20.5 30.7



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: 0.08 ng

RT: 21.35 min Scan# 3532

Delta R.T. -0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

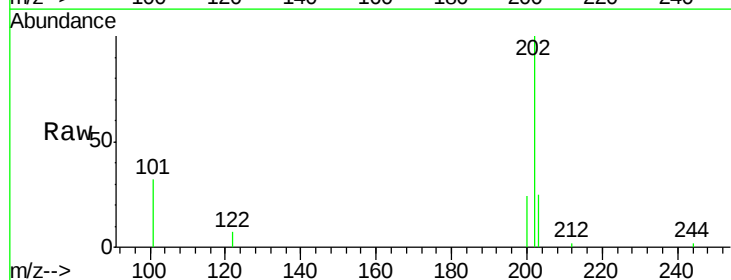
Tgt Ion:202 Resp: 13452

Ion Ratio Lower Upper

202 100

200 21.3 15.9 23.9

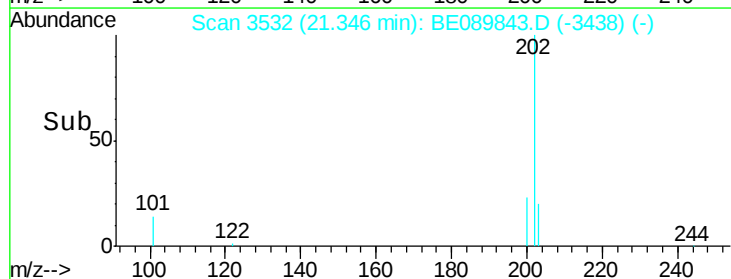
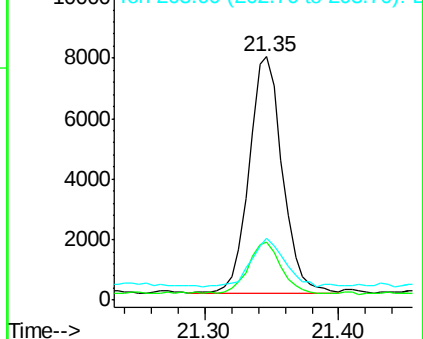
203 21.4 13.6 20.4#

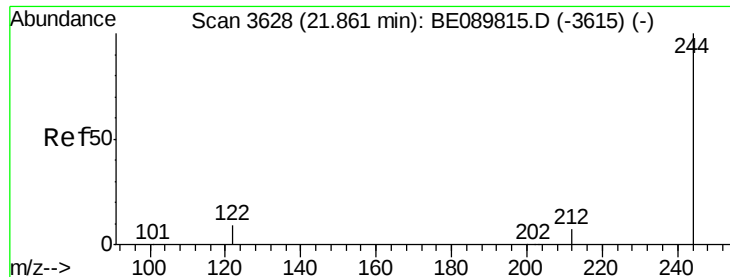


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 3.70 ng

RT: 21.87 min Scan# 3630

Delta R.T. 0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

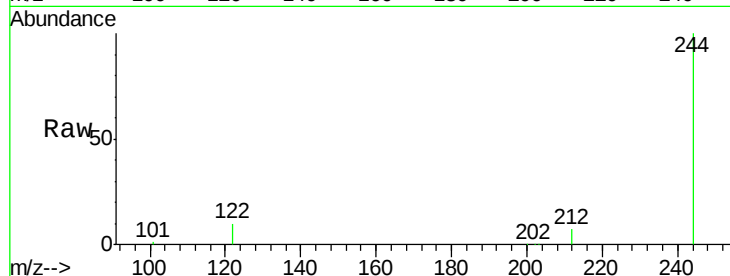
Tgt Ion:244 Resp: 346670

Ion Ratio Lower Upper

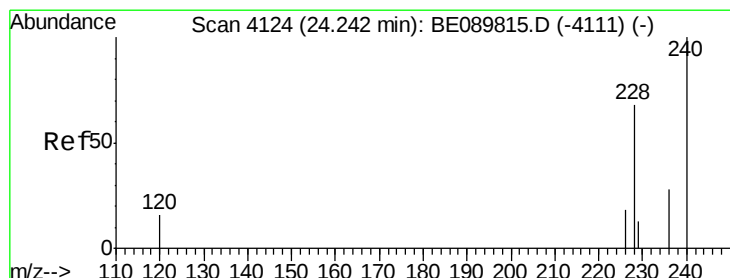
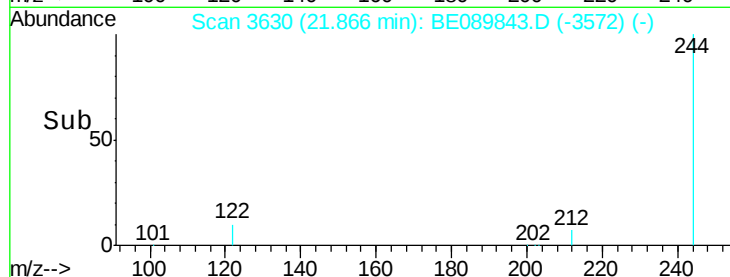
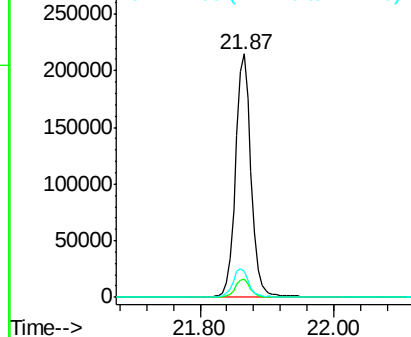
244 100

212 7.4 7.3 10.9

122 10.5 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: 0.05 ng

RT: 24.25 min Scan# 4126

Delta R.T. -0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

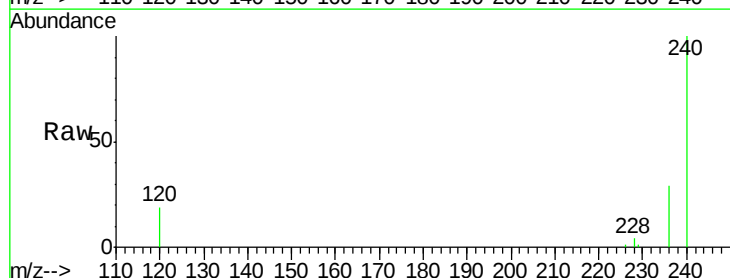
Tgt Ion:228 Resp: 6013

Ion Ratio Lower Upper

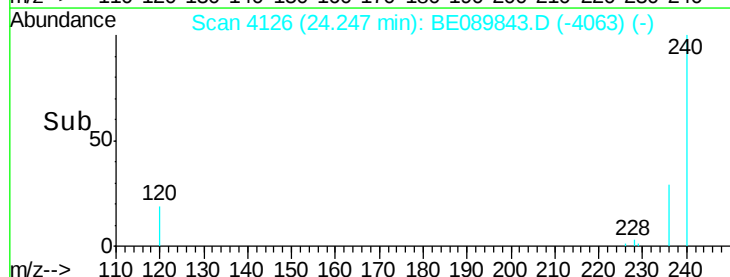
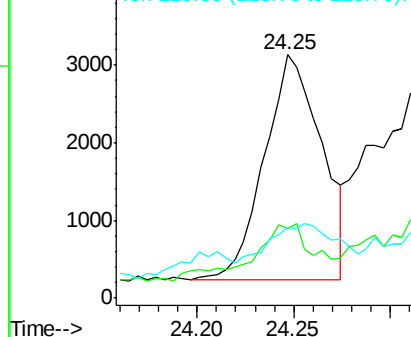
228 100

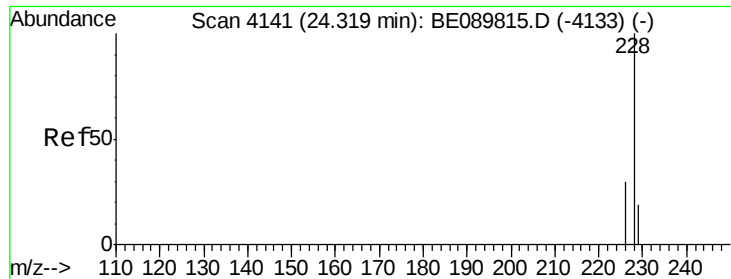
226 28.8 19.8 29.8

229 29.3 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: 0.07 ng

RT: 24.32 min Scan# 4143

Delta R.T. 0.01 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

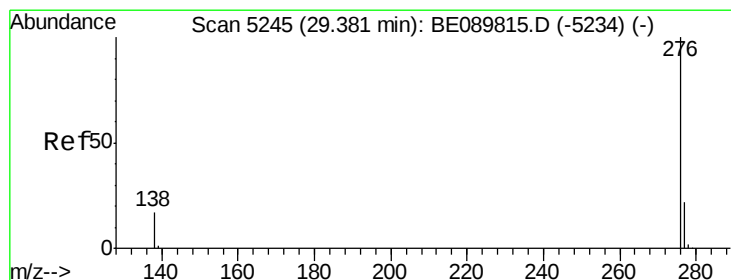
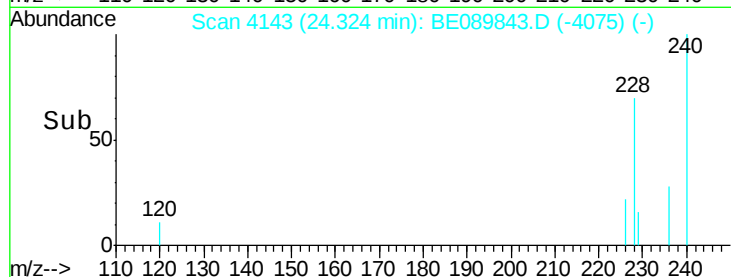
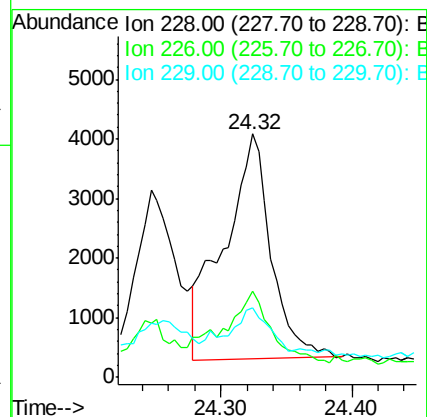
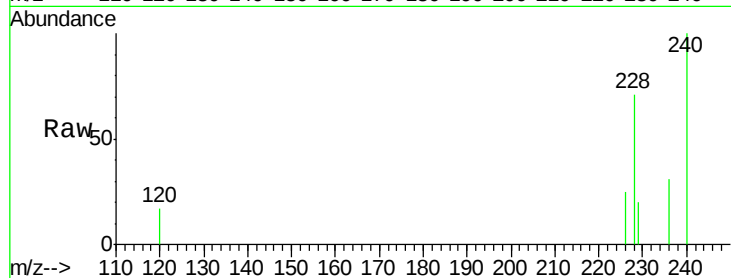
Tgt Ion:228 Resp: 9411

Ion Ratio Lower Upper

228 100

226 35.4 23.0 34.4#

229 28.3 15.8 23.6#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.44 ng

RT: 29.39 min Scan# 5248

Delta R.T. 0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

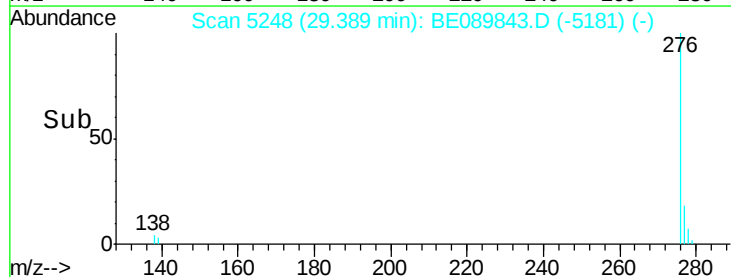
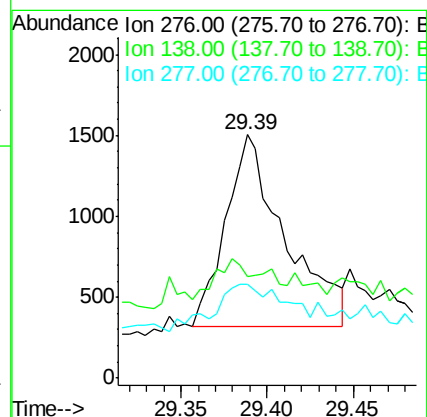
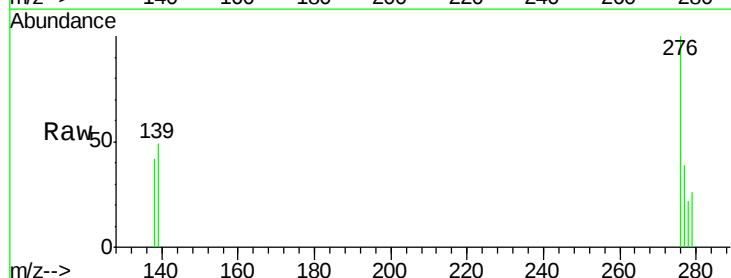
Tgt Ion:276 Resp: 2820

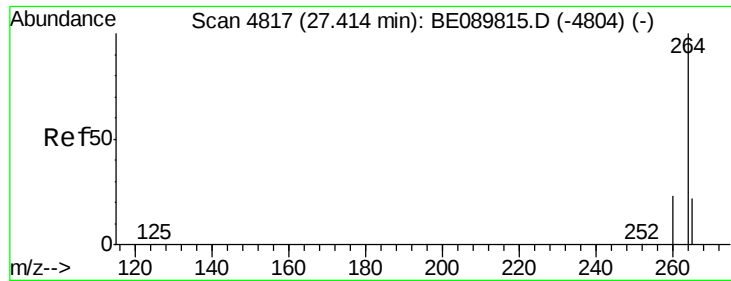
Ion Ratio Lower Upper

276 100

138 11.9 4.3 6.5#

277 29.9 9.0 13.4#

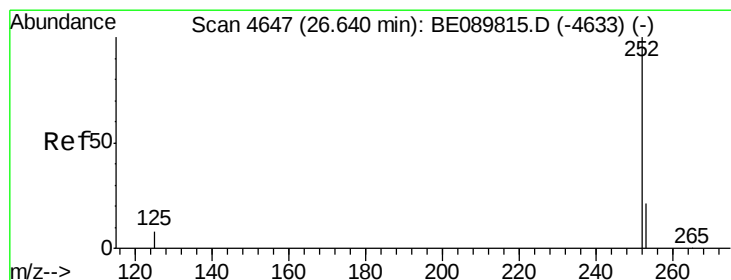
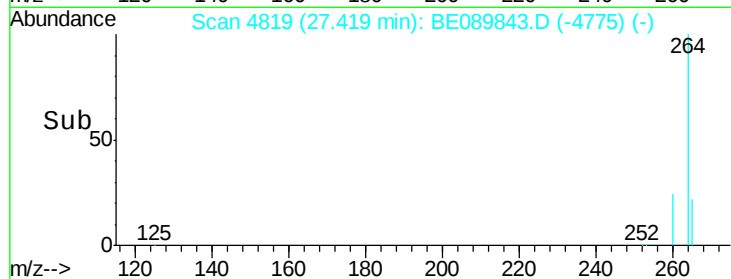
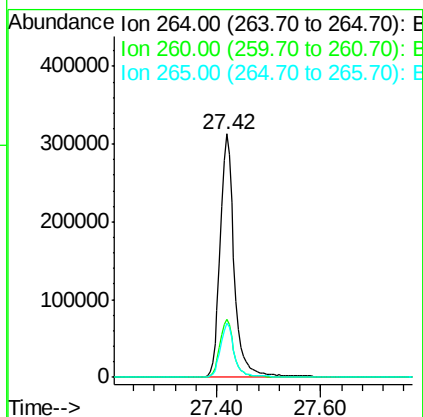
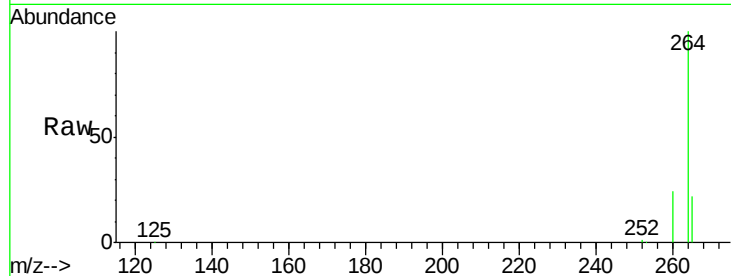




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4819
 Delta R.T. 0.00 min
 Lab File: BE089843.D
 Acq: 25 Mar 2015 18:48

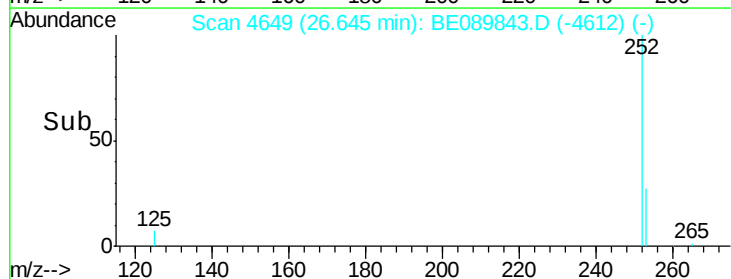
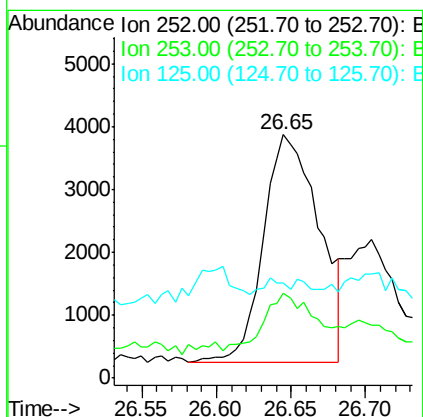
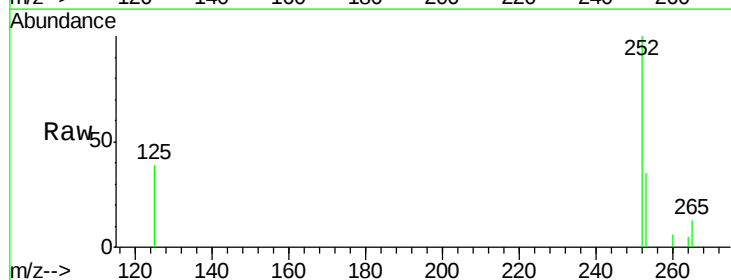
Instrument :
 BNA_E
 ClientSampleId :
 RW-11V

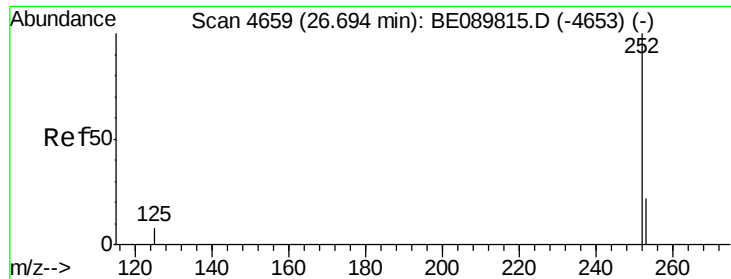
Tgt Ion: 264 Resp: 586955
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.2 27.2
 265 22.0 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 0.38 ng
 RT: 26.65 min Scan# 4649
 Delta R.T. 0.01 min
 Lab File: BE089843.D
 Acq: 25 Mar 2015 18:48

Tgt Ion: 252 Resp: 9532
 Ion Ratio Lower Upper
 252 100
 253 34.8 17.8 26.6#
 125 38.9 8.7 13.1#





#27

Benzo(k)fluoranthene

Concen: 0.08 ng

RT: 26.65 min Scan# 4649

Delta R.T. -0.05 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

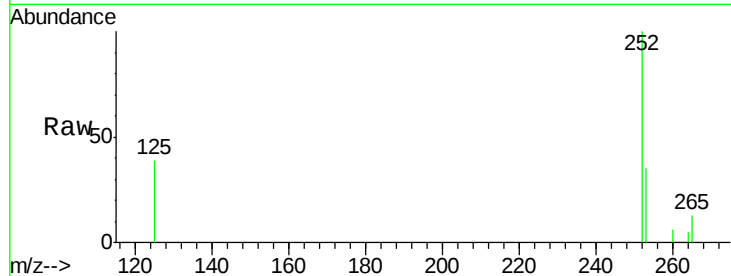
Tgt Ion:252 Resp: 9532

Ion Ratio Lower Upper

252 100

253 34.8 18.6 28.0#

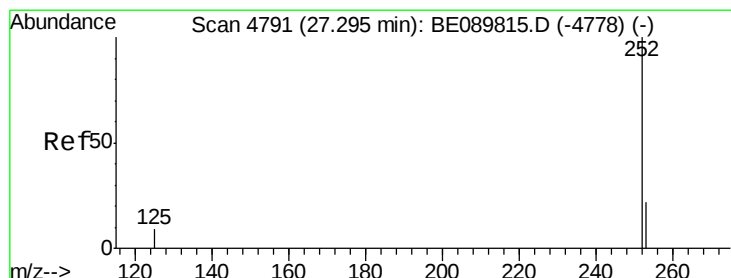
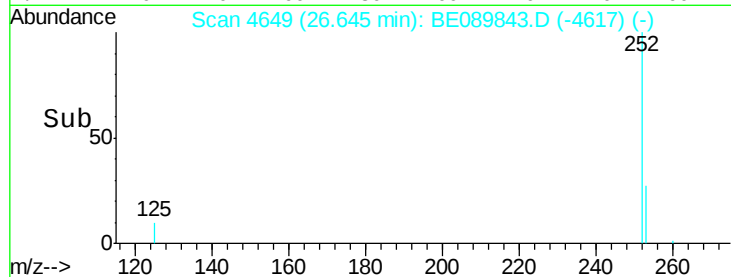
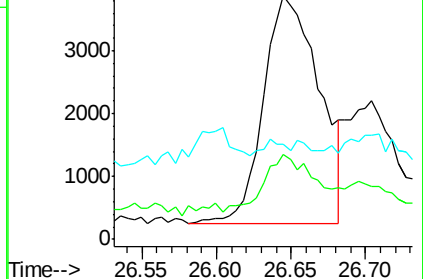
125 38.9 10.8 16.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#28

Benzo(a)pyrene

Concen: 0.33 ng

RT: 27.30 min Scan# 4792

Delta R.T. -0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

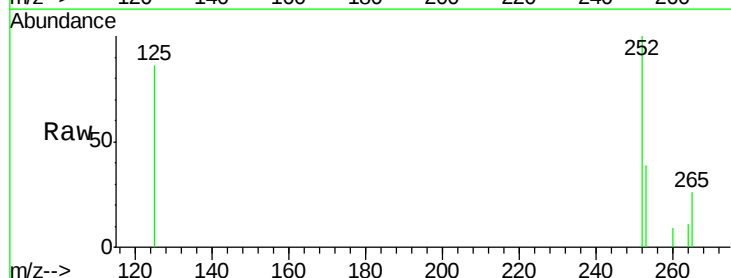
Tgt Ion:252 Resp: 4483

Ion Ratio Lower Upper

252 100

253 39.1 21.0 31.4#

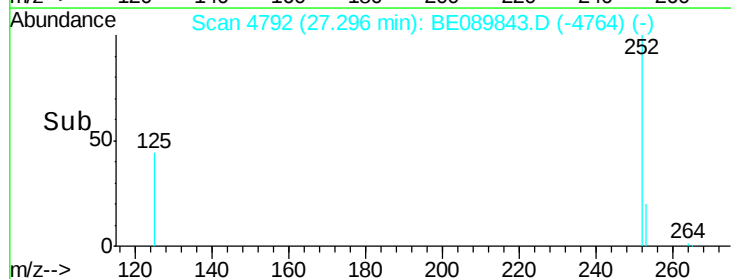
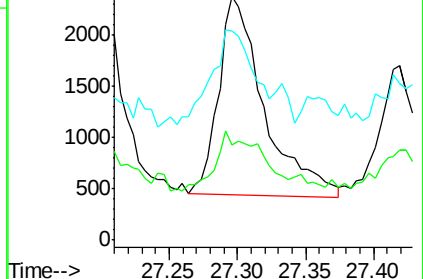
125 85.7 13.3 19.9#

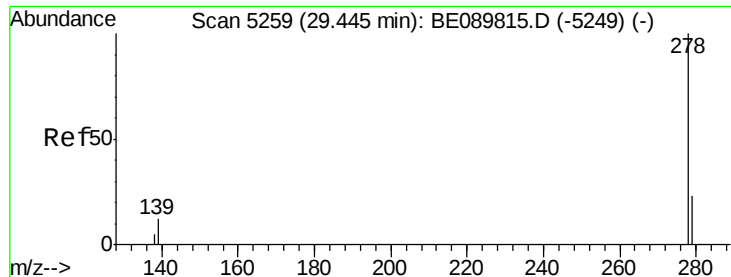


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.27 ng

RT: 29.44 min Scan# 5260

Delta R.T. 0.00 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Instrument :

BNA_E

ClientSampleId :

RW-11V

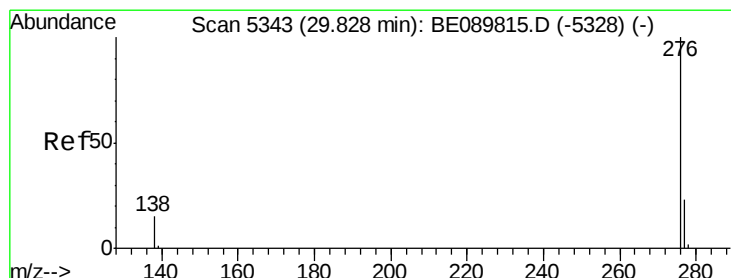
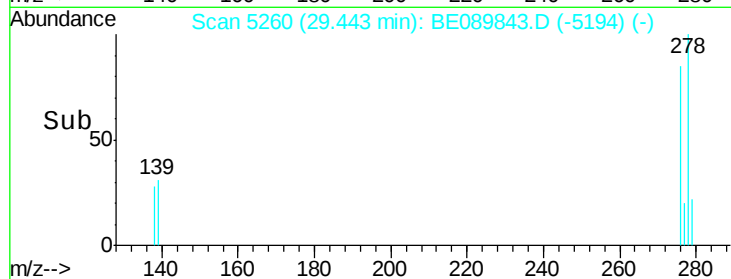
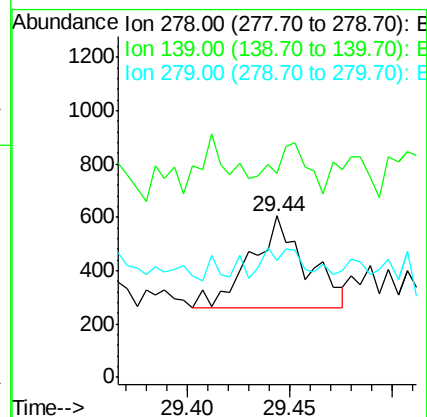
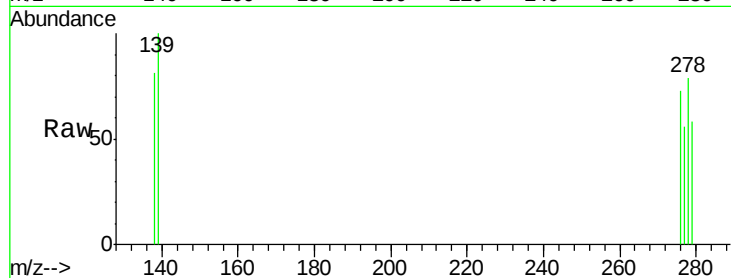
Tgt Ion: 278 Resp: 653

Ion Ratio Lower Upper

278 100

139 125.9 20.0 30.0#

279 72.4 28.9 43.3#



#30

Benzo(g,h,i)perylene

Concen: 0.29 ng

RT: 29.84 min Scan# 5346

Delta R.T. 0.01 min

Lab File: BE089843.D

Acq: 25 Mar 2015 18:48

Tgt Ion: 276 Resp: 4928

Ion Ratio Lower Upper

276 100

277 40.8 19.2 28.8#

138 40.5 22.9 34.3#

