

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032615\
 Data File : BE089867.D
 Acq On : 26 Mar 2015 21:35
 Operator : TP/JJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Quant Time: Mar 27 02:19:56 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 01:45:40 2015
 Response via : Initial Calibration

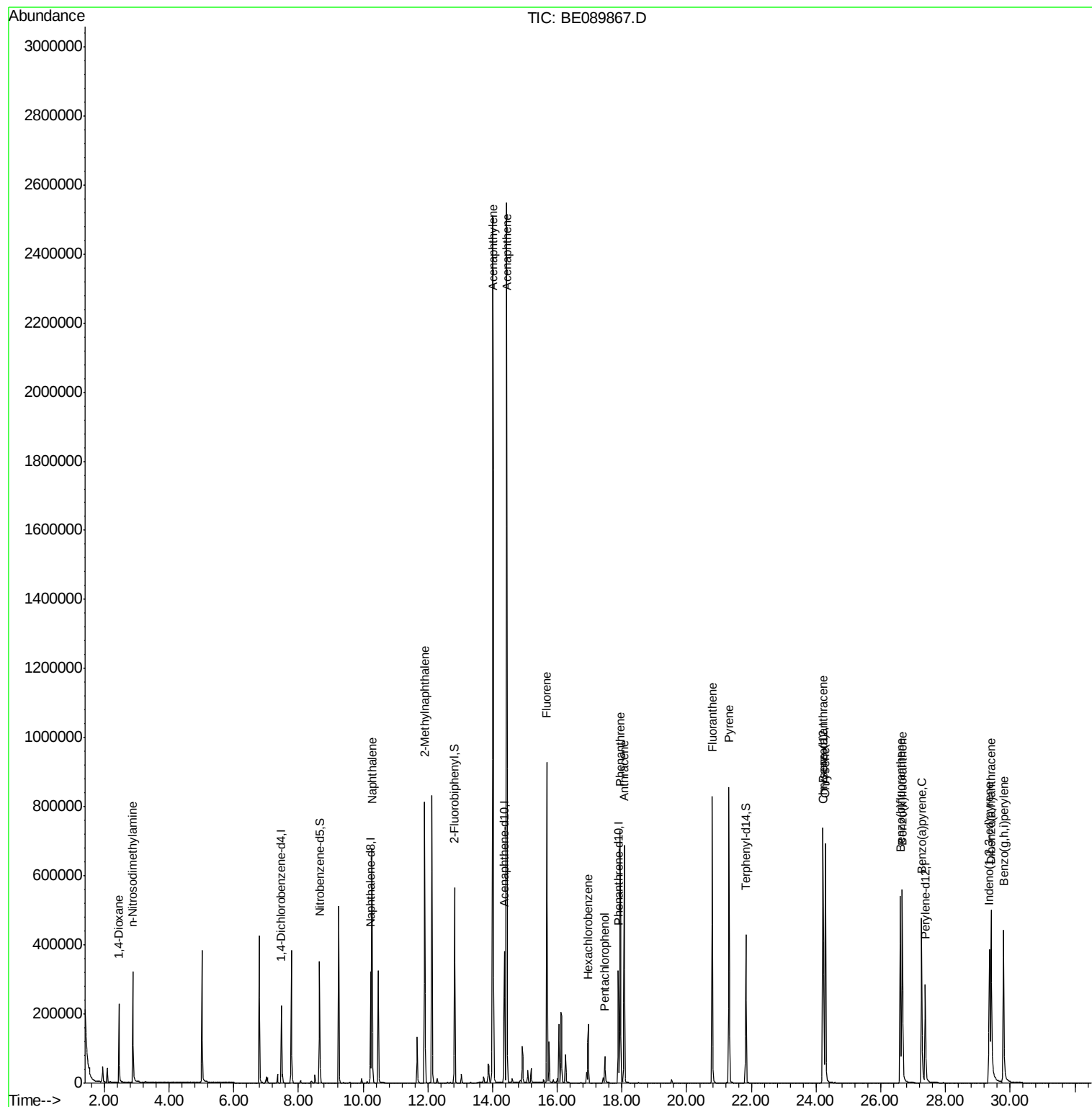
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	87757	5.00	ng	0.00
4) Naphthalene-d8	10.23	136	364349	5.00	ng	0.00
8) Acenaphthene-d10	14.36	164	217193	5.00	ng	0.00
13) Phenanthrene-d10	17.89	188	401720	5.00	ng	0.00
19) Chrysene-d12	24.23	240	416361	5.00	ng	0.00
25) Perylene-d12	27.38	264	367964	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.66	82	251138	11.89	ng	0.00
9) 2-Fluorobiphenyl	12.83	172	489045	9.51	ng	0.00
21) Terphenyl-d14	21.83	244	570628	9.25	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.45	88	108381	8.97	ng	90
3) n-Nitrosodimethylamine	2.88	42	157041	9.62	ng	# 77
6) Naphthalene	10.28	128	737707	10.09	ng	96
7) 2-Methylnaphthalene	11.91	142	488251	11.85	ng	99
10) Acenaphthylene	14.01	152	3157269	10.03	ng	99
11) Acenaphthene	14.44	154	448477	9.33	ng	86
12) Fluorene	15.68	166	575874	9.77	ng	93
14) Hexachlorobenzene	16.95	284	116783	8.72	ng	98
15) Pentachlorophenol	17.48	266	56816	11.62	ng	99
16) Phenanthrene	17.95	178	805735	9.02	ng	100
17) Anthracene	18.07	178	794897	9.95	ng	99
18) Fluoranthene	20.79	202	870815	10.63	ng	99
20) Pyrene	21.31	202	904270	8.58	ng	98
22) Benzo(a)anthracene	24.21	228	797968	10.04	ng	97
23) Chrysene	24.29	228	792055	9.25	ng	98
24) Indeno(1,2,3-cd)pyrene	29.35	276	768824m	14.89	ng	
26) Benzo(b)fluoranthene	26.61	252	728883	12.30	ng	98
27) Benzo(k)fluoranthene	26.67	252	836658	10.52	ng	# 94
28) Benzo(a)pyrene	27.26	252	683069	12.27	ng	# 89
29) Dibenzo(a,h)anthracene	29.41	278	618030	15.41	ng	# 78
30) Benzo(g,h,i)perylene	29.80	276	657705	11.52	ng	# 88

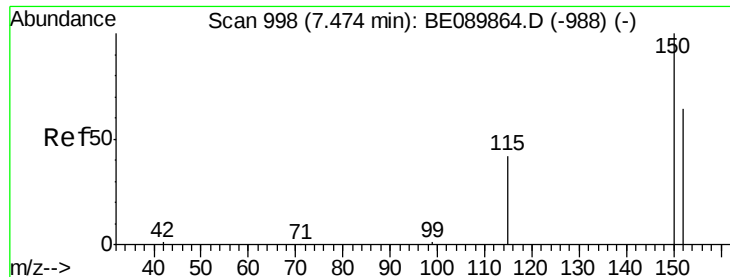
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.47 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

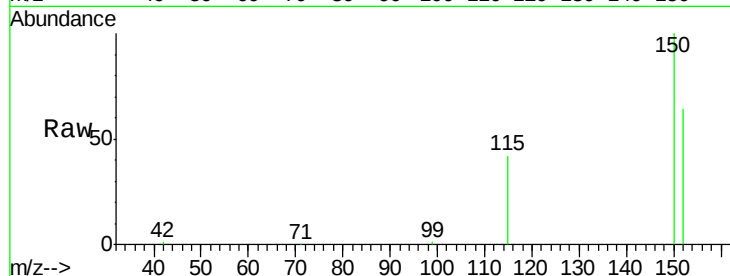
Tgt Ion:152 Resp: 87757

Ion Ratio Lower Upper

152 100

150 155.1 125.5 188.3

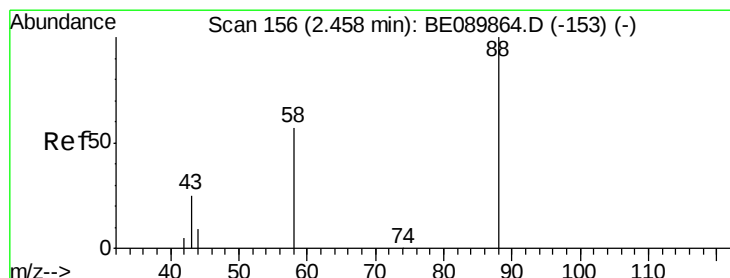
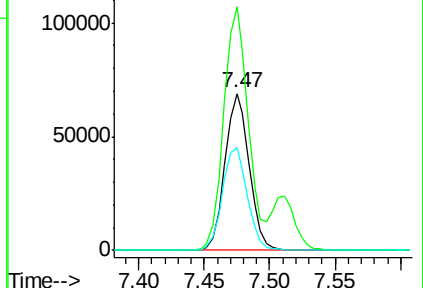
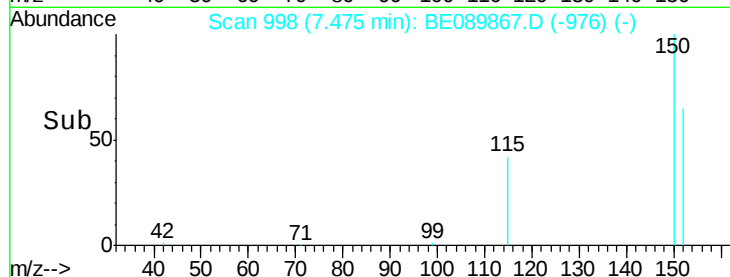
115 65.4 58.0 87.0



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: 8.97 ng

RT: 2.45 min Scan# 155

Delta R.T. -0.01 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

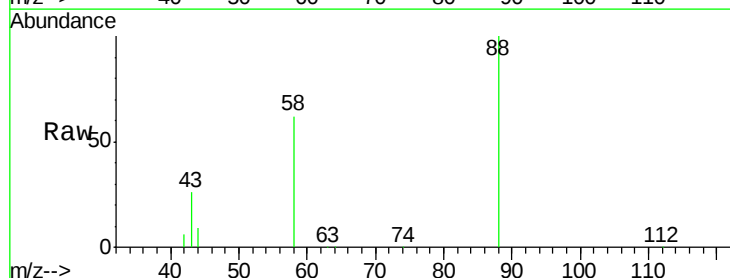
Tgt Ion: 88 Resp: 108381

Ion Ratio Lower Upper

88 100

58 69.7 48.6 72.8

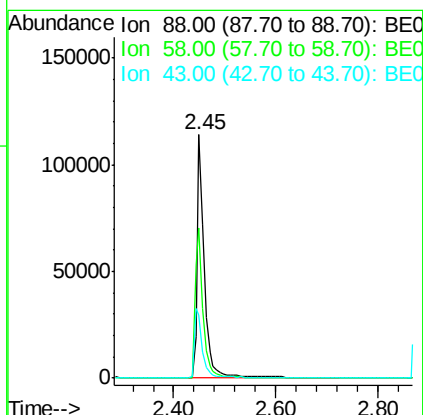
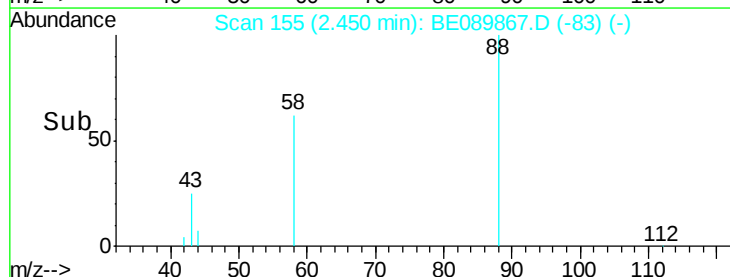
43 32.4 28.6 43.0

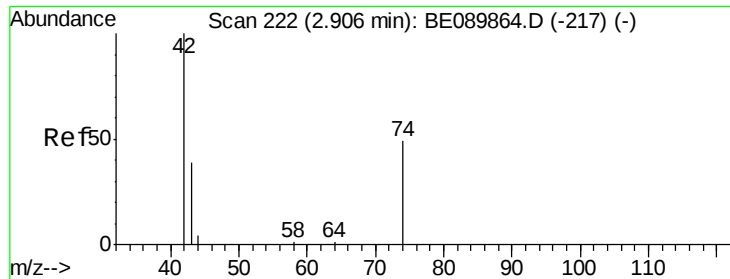


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 9.62 ng

RT: 2.88 min Scan# 218

Delta R.T. -0.03 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

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SSTDIC010

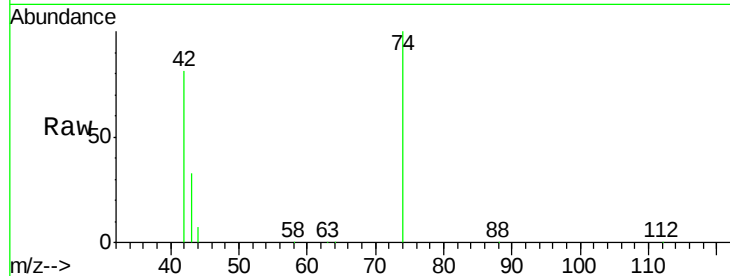
Tgt Ion: 42 Resp: 157041

Ion Ratio Lower Upper

42 100

74 108.1 68.7 103.1#

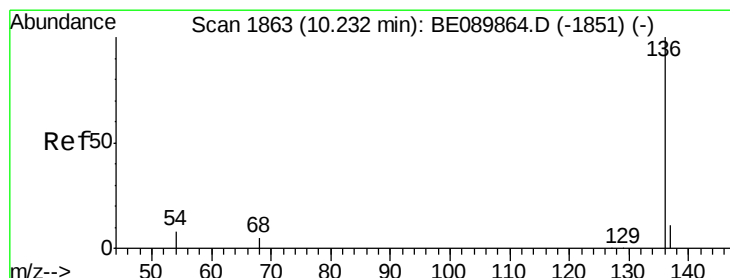
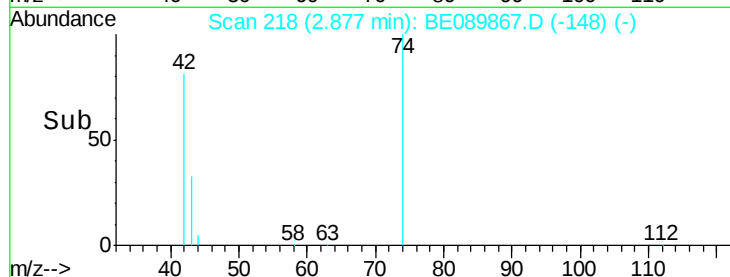
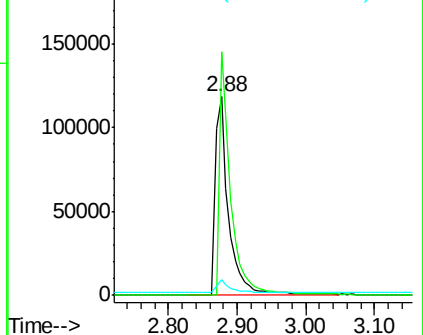
44 6.2 6.2 9.4#



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: 10.23 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

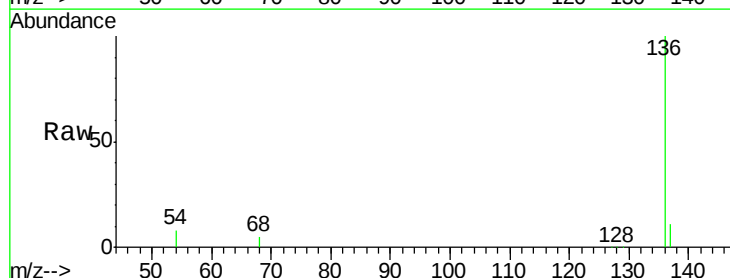
Tgt Ion: 136 Resp: 364349

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

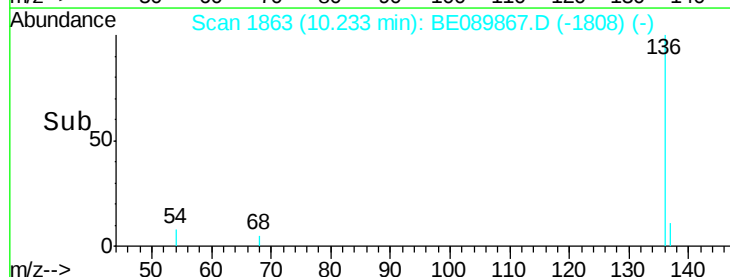
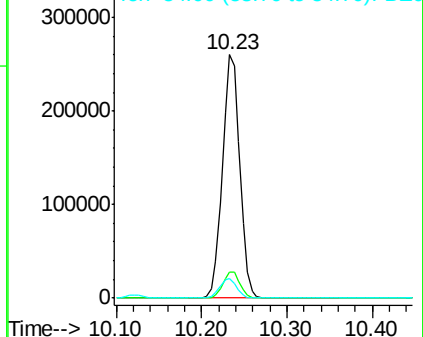
54 7.9 7.0 10.4

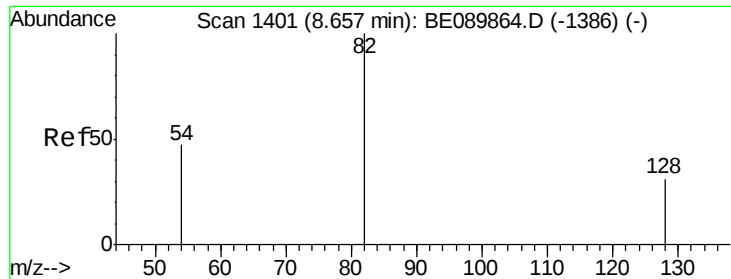


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 11.89 ng

RT: 8.66 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

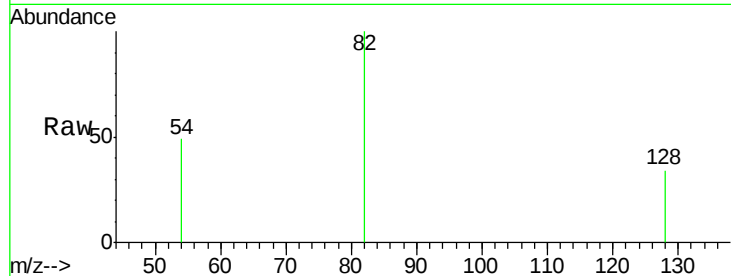
Tgt Ion: 82 Resp: 251138

Ion Ratio Lower Upper

82 100

128 33.6 24.6 37.0

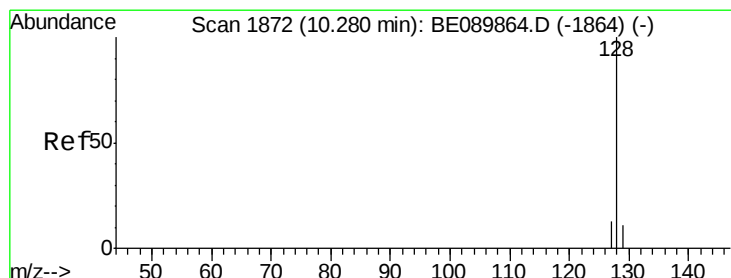
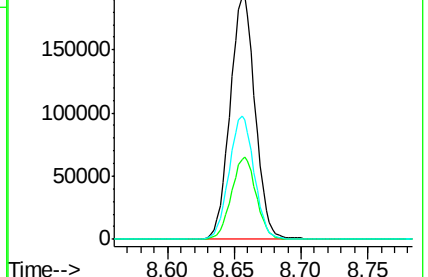
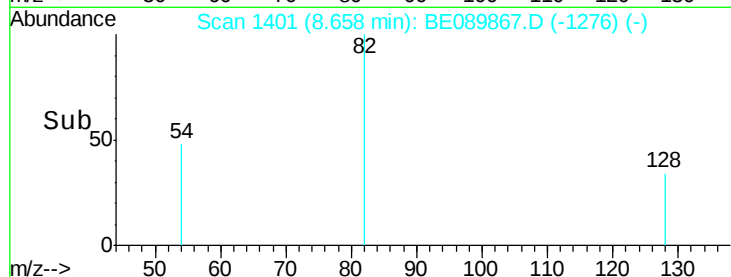
54 49.3 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 10.09 ng

RT: 10.28 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

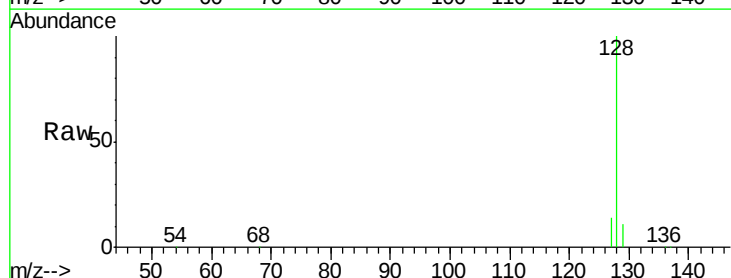
Tgt Ion: 128 Resp: 737707

Ion Ratio Lower Upper

128 100

129 11.1 10.0 15.0

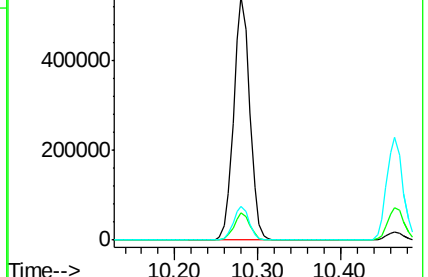
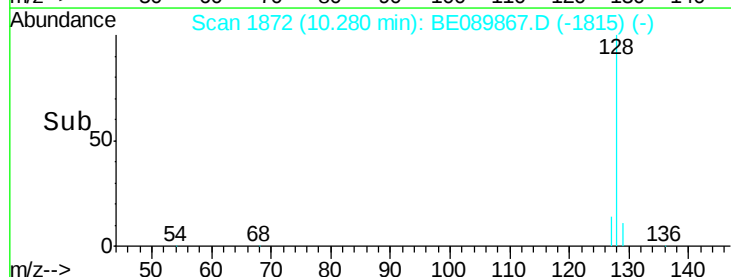
127 14.0 12.5 18.7

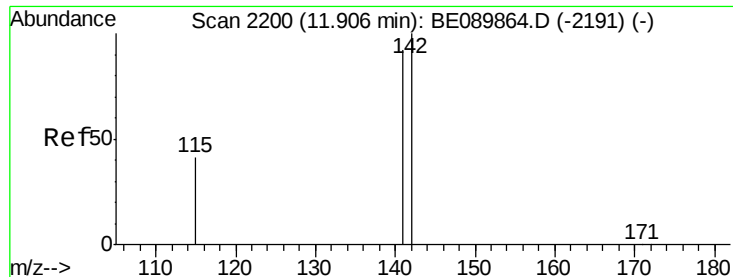


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 11.85 ng

RT: 11.91 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

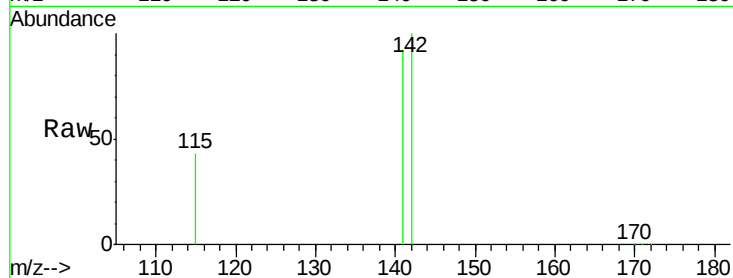
Tgt Ion:142 Resp: 488251

Ion Ratio Lower Upper

142 100

141 91.7 72.8 109.2

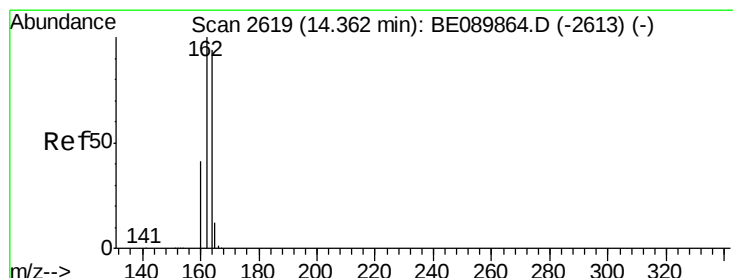
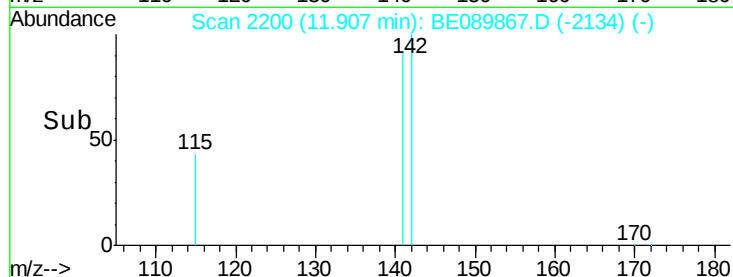
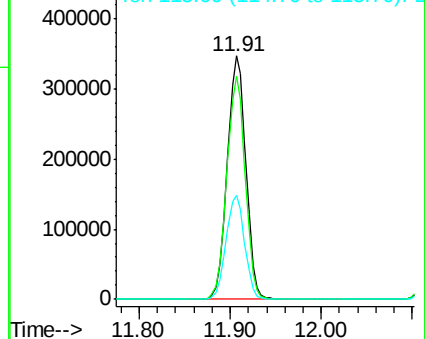
115 42.8 32.9 49.3



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: 14.36 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

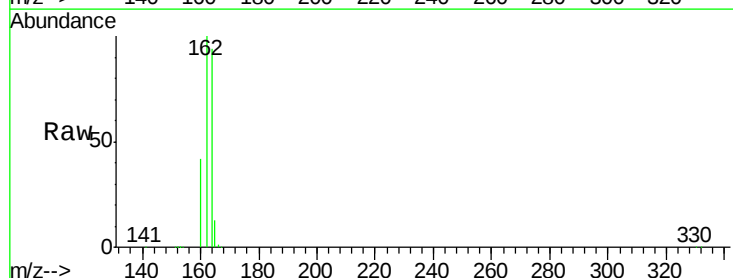
Tgt Ion:164 Resp: 217193

Ion Ratio Lower Upper

164 100

162 106.0 87.6 131.4

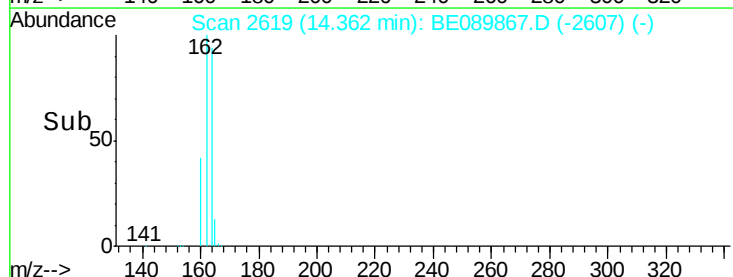
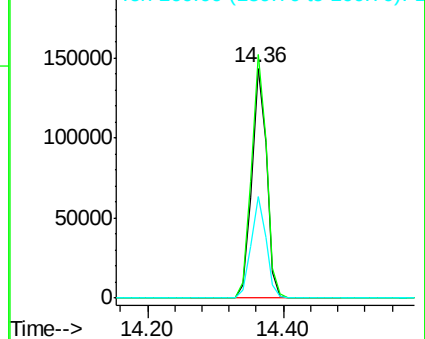
160 44.1 36.7 55.1

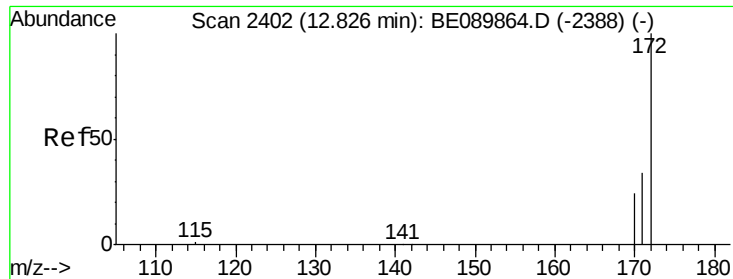


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

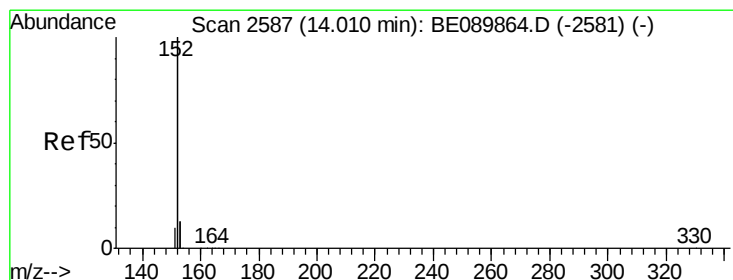
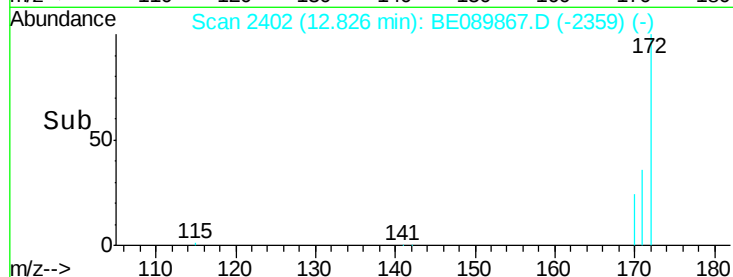
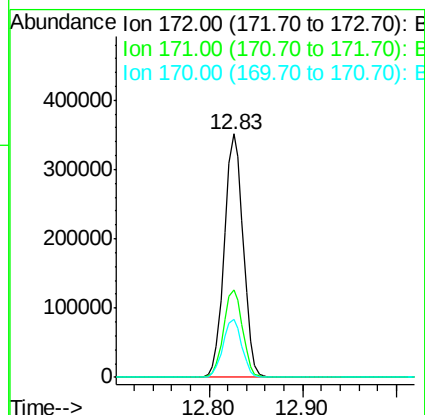
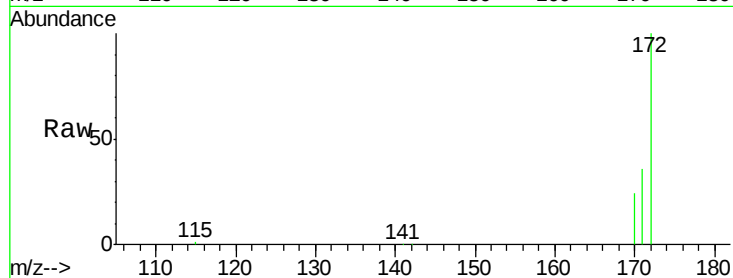




#9
2-Fluorobiphenyl
Concen: 9.51 ng
RT: 12.83 min Scan# 2402
Delta R.T. 0.00 min
Lab File: BE089867.D
Acq: 26 Mar 2015 21:35

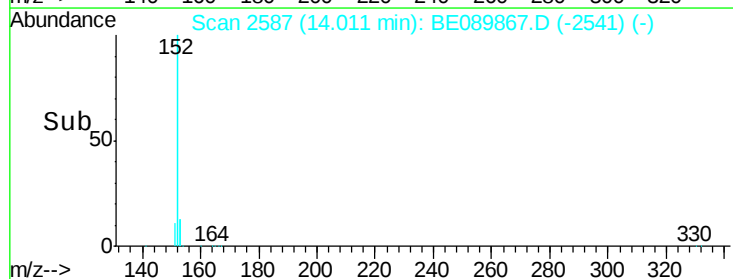
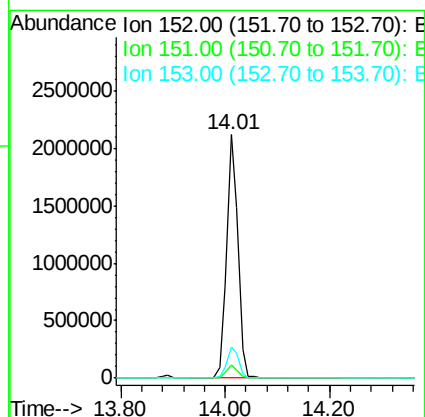
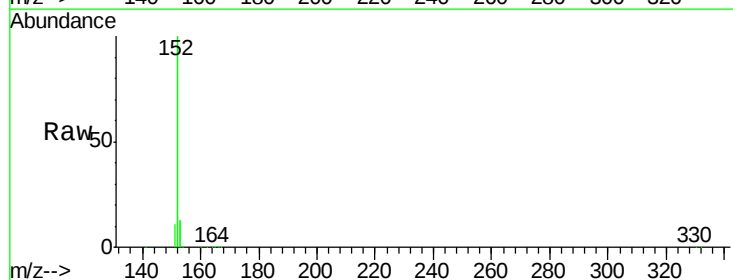
Instrument :
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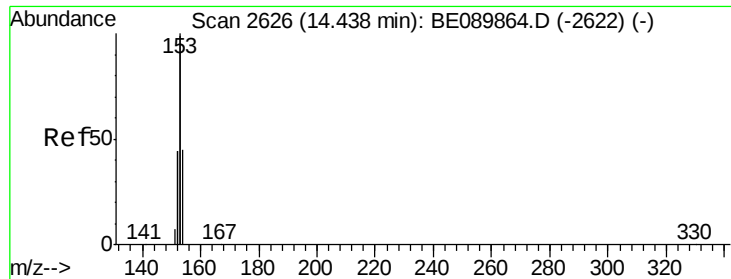
Tgt Ion:172 Resp: 489045
Ion Ratio Lower Upper
172 100
171 36.1 30.8 46.2
170 24.1 21.0 31.4



#10
Acenaphthylene
Concen: 10.03 ng
RT: 14.01 min Scan# 2587
Delta R.T. 0.00 min
Lab File: BE089867.D
Acq: 26 Mar 2015 21:35

Tgt Ion:152 Resp: 3157269
Ion Ratio Lower Upper
152 100
151 5.2 3.9 5.9
153 13.1 11.0 16.4





#11

Acenaphthene

Concen: 9.33 ng

RT: 14.44 min Scan# 2626

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

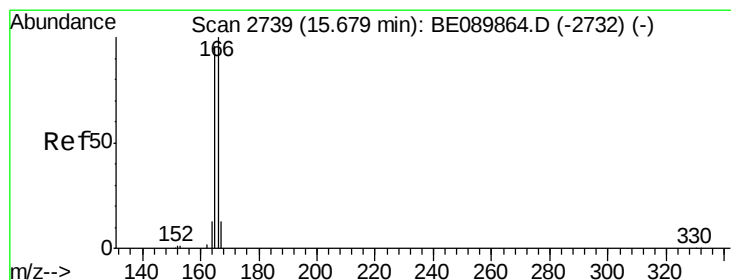
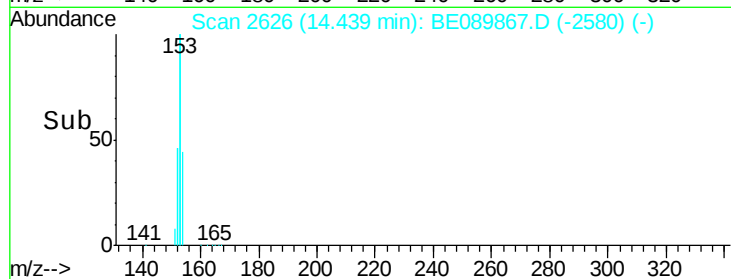
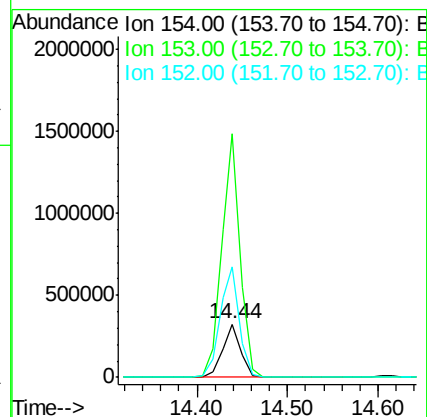
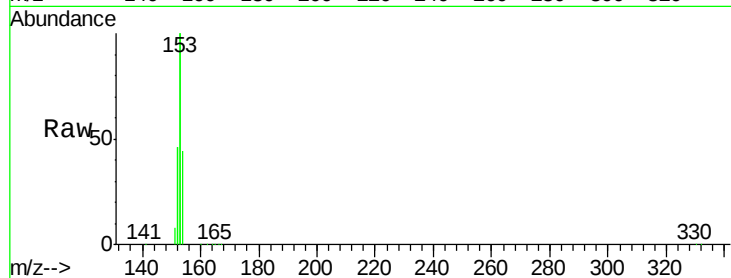
Tgt Ion:154 Resp: 448477

Ion Ratio Lower Upper

154 100

153 466.1 401.5 602.3

152 221.5 198.6 298.0



#12

Fluorene

Concen: 9.77 ng

RT: 15.68 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

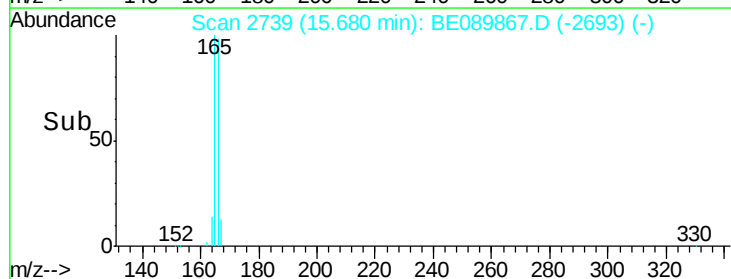
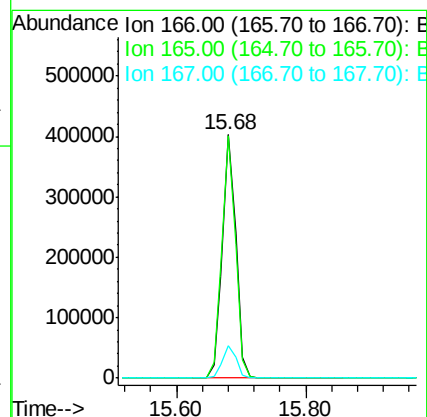
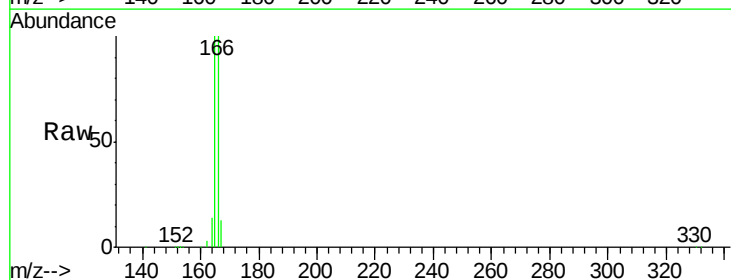
Tgt Ion:166 Resp: 575874

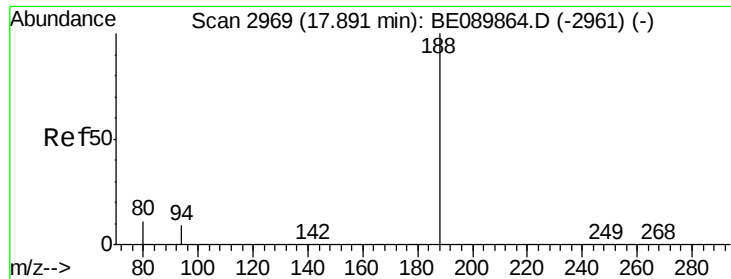
Ion Ratio Lower Upper

166 100

165 99.3 85.1 127.7

167 13.3 12.2 18.4

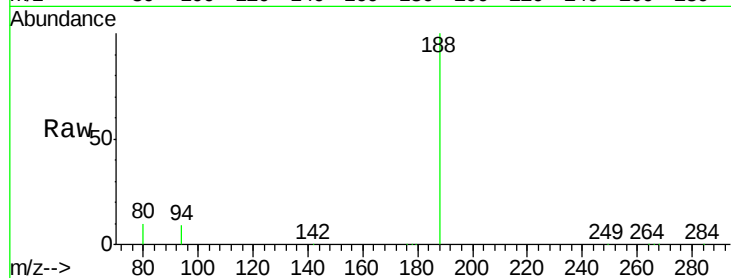




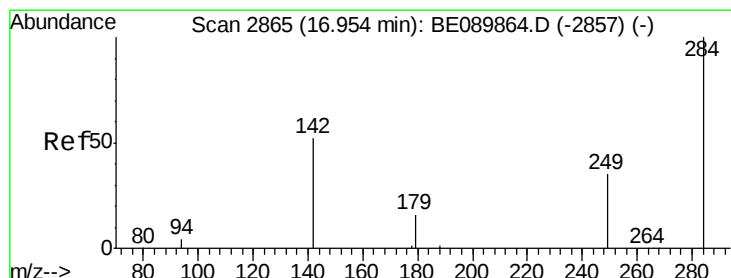
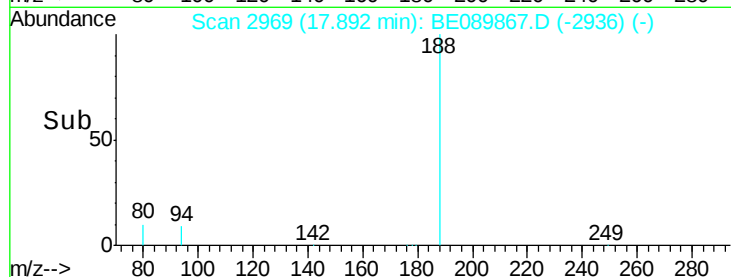
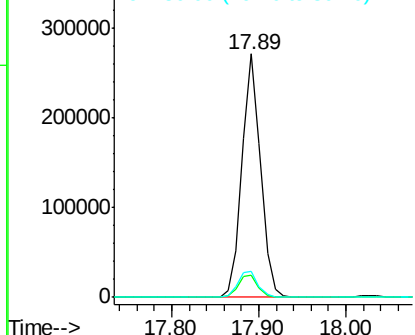
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.89 min Scan# 2969
Delta R.T. 0.00 min
Lab File: BE089867.D
Acq: 26 Mar 2015 21:35

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion:188 Resp: 401720
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 10.5 10.0 15.0

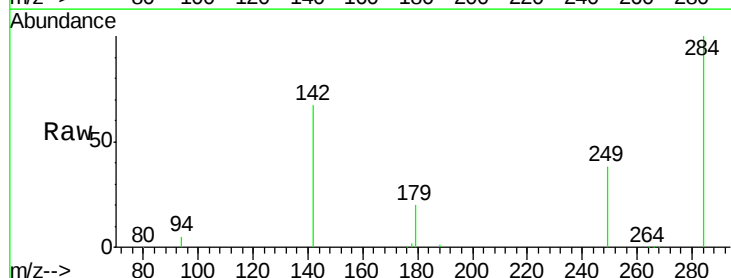


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

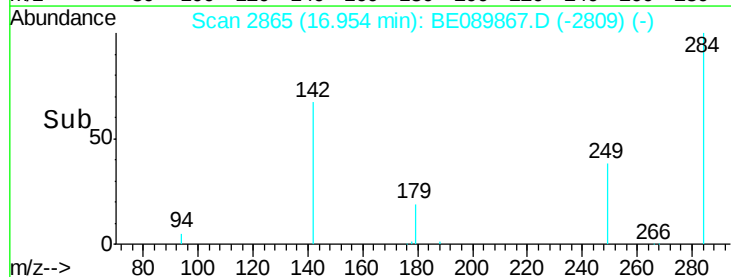
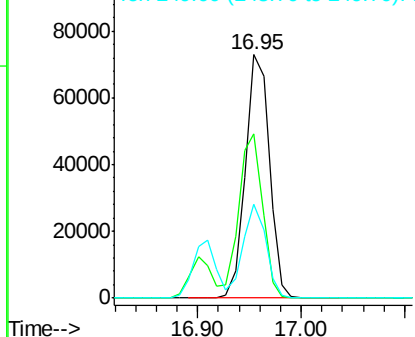


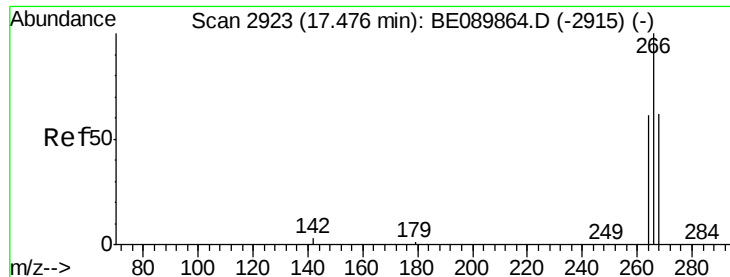
#14
Hexachlorobenzene
Concen: 8.72 ng
RT: 16.95 min Scan# 2865
Delta R.T. 0.00 min
Lab File: BE089867.D
Acq: 26 Mar 2015 21:35

Tgt Ion:284 Resp: 116783
Ion Ratio Lower Upper
284 100
142 67.5 53.3 79.9
249 36.8 31.1 46.7



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

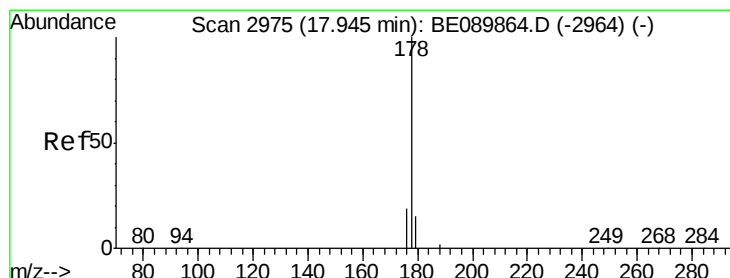
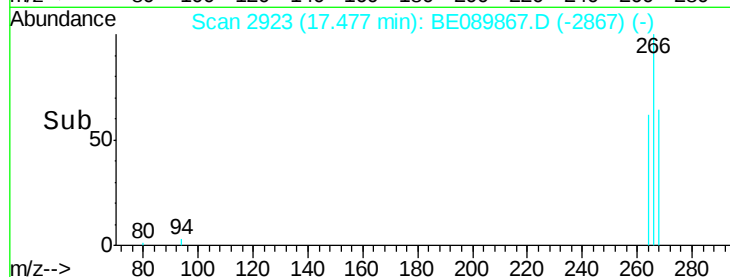
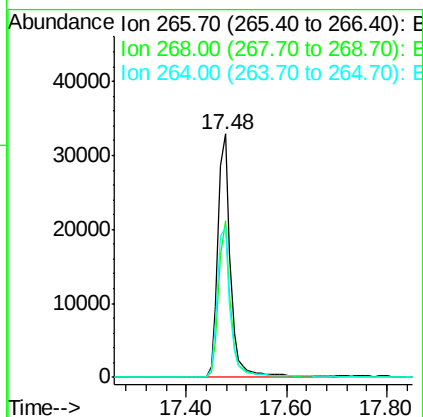
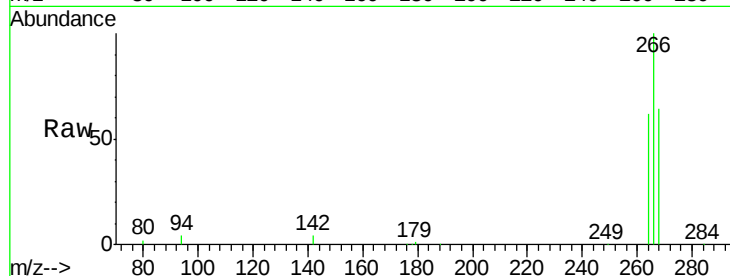




#15
 Pentachlorophenol
 Concen: 11.62 ng
 RT: 17.48 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: BE089867.D
 Acq: 26 Mar 2015 21:35

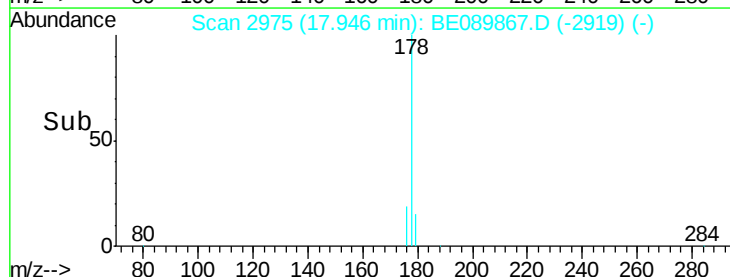
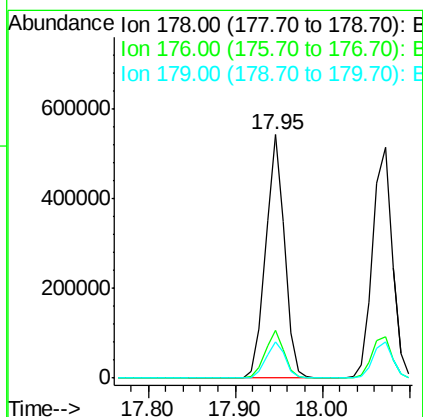
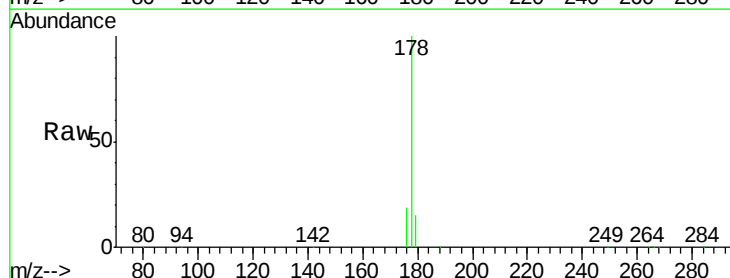
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

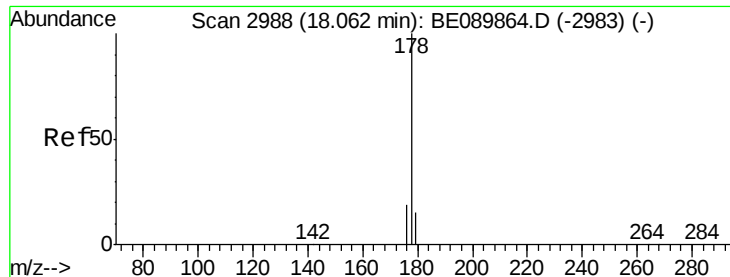
Tgt Ion:266 Resp: 56816
 Ion Ratio Lower Upper
 266 100
 268 64.3 51.6 77.4
 264 61.8 50.2 75.2



#16
 Phenanthrene
 Concen: 9.02 ng
 RT: 17.95 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: BE089867.D
 Acq: 26 Mar 2015 21:35

Tgt Ion:178 Resp: 805735
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.0
 179 15.3 12.2 18.4





#17

Anthracene

Concen: 9.95 ng

RT: 18.07 min Scan# 2989

Delta R.T. 0.01 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

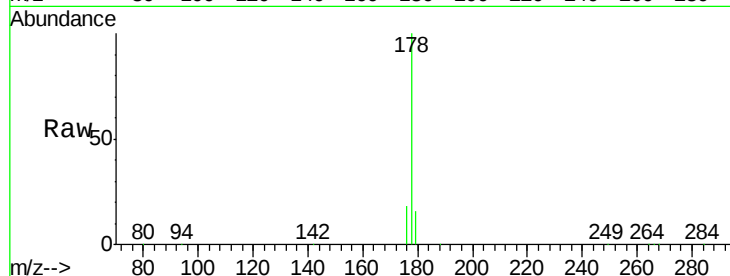
Tgt Ion:178 Resp: 794897

Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

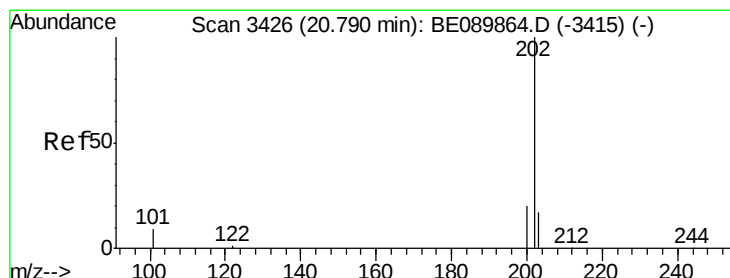
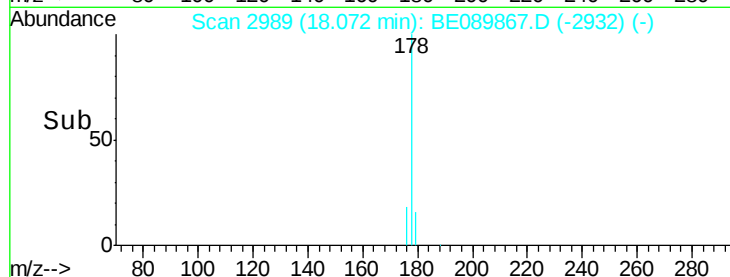
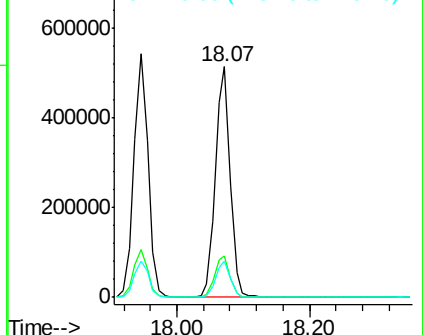
179 15.4 12.1 18.1



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: 10.63 ng

RT: 20.79 min Scan# 3426

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

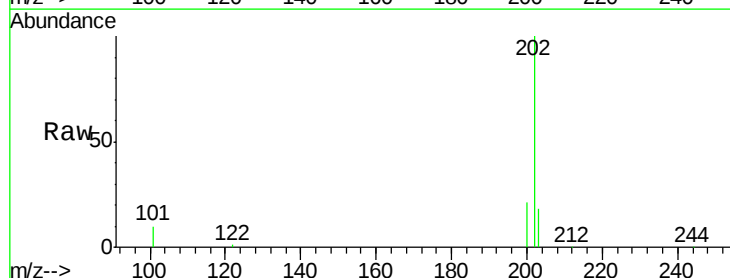
Tgt Ion:202 Resp: 870815

Ion Ratio Lower Upper

202 100

101 9.8 8.2 12.2

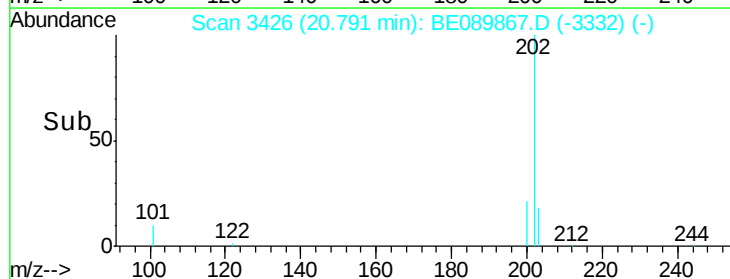
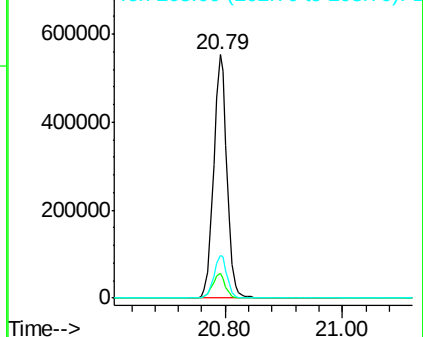
203 17.5 14.2 21.4

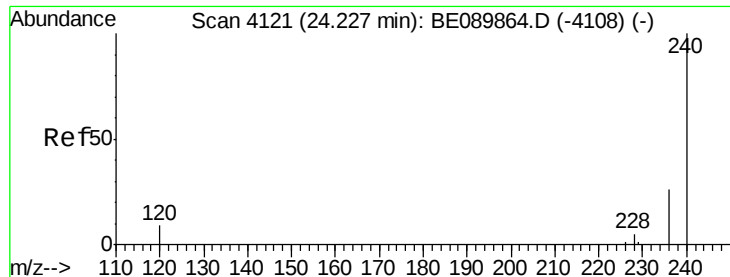


Abundance Ion 202.00 (201.70 to 202.70): E

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: 24.23 min Scan# 4121

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

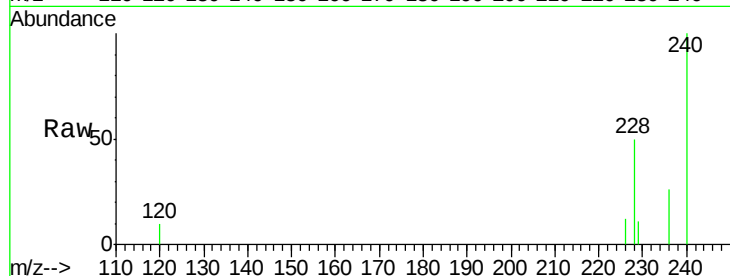
Tgt Ion:240 Resp: 416361

Ion Ratio Lower Upper

240 100

120 9.7 7.5 11.3

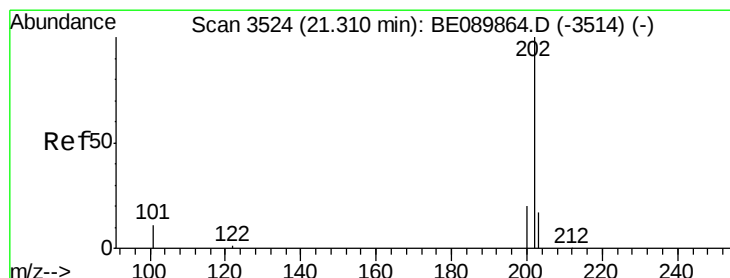
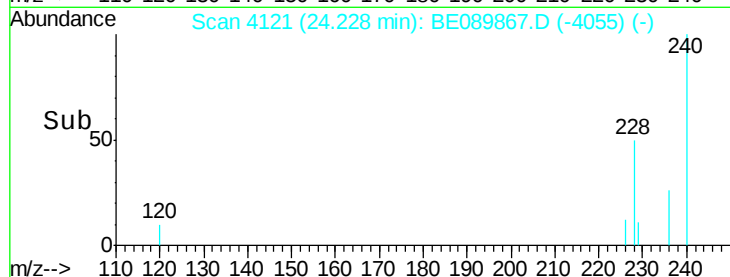
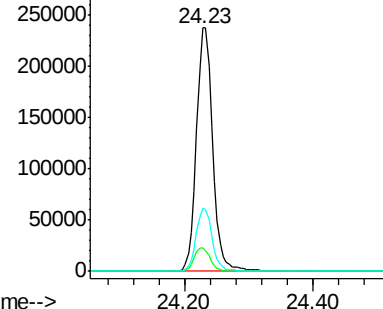
236 25.8 20.5 30.7



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: 8.58 ng

RT: 21.31 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

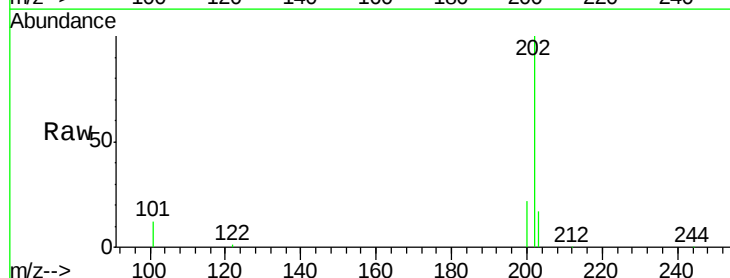
Tgt Ion:202 Resp: 904270

Ion Ratio Lower Upper

202 100

200 21.4 15.9 23.9

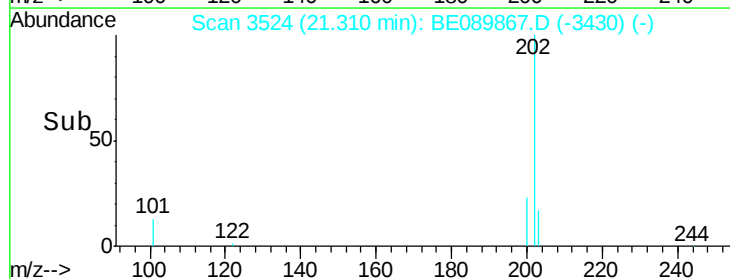
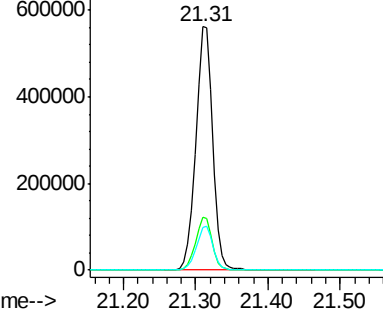
203 17.7 13.6 20.4

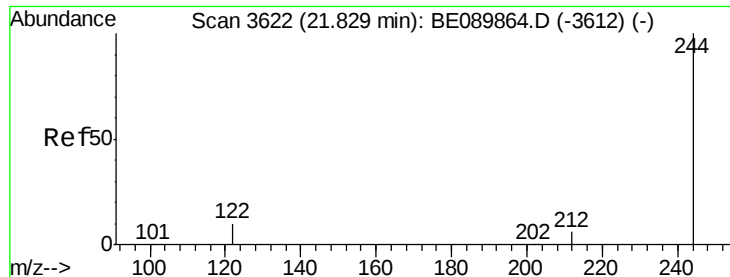


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 9.25 ng

RT: 21.83 min Scan# 3622

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

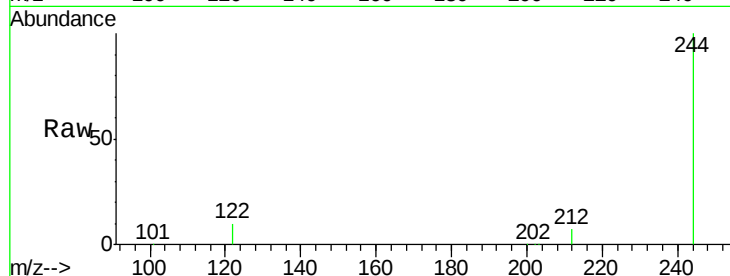
Tgt Ion:244 Resp: 570628

Ion Ratio Lower Upper

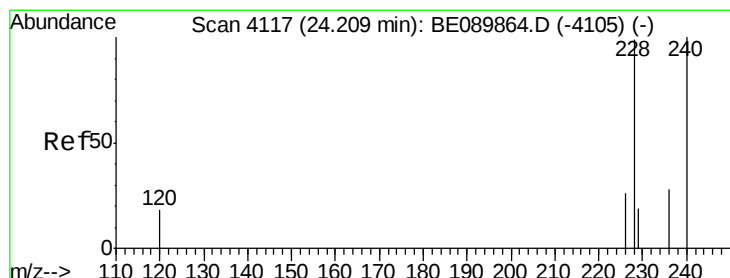
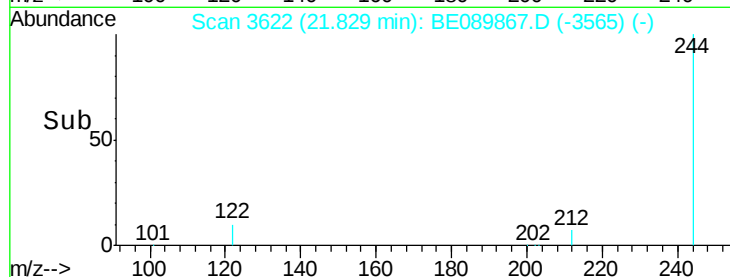
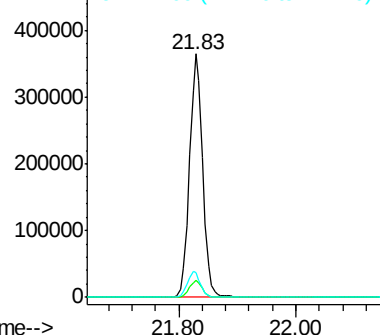
244 100

212 7.0 7.3 10.9#

122 10.1 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: 10.04 ng

RT: 24.21 min Scan# 4117

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

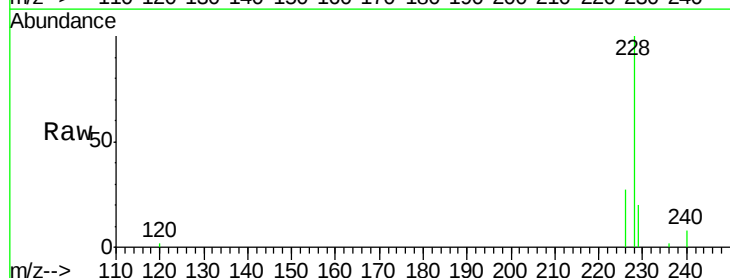
Tgt Ion:228 Resp: 797968

Ion Ratio Lower Upper

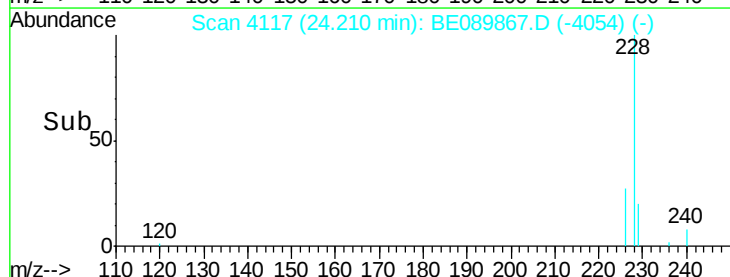
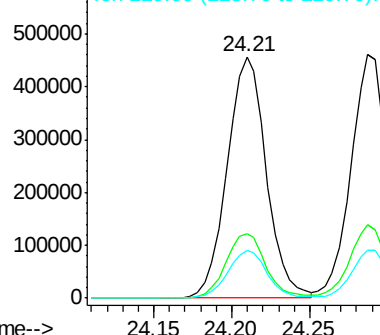
228 100

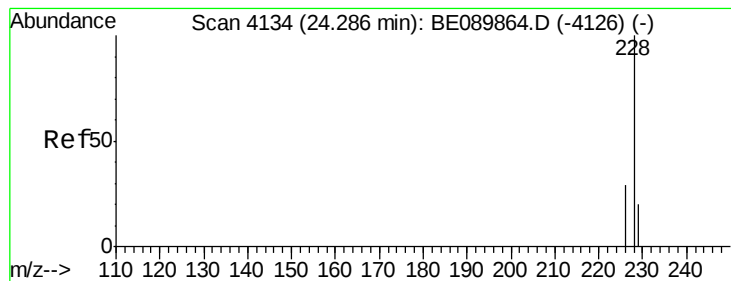
226 26.7 19.8 29.8

229 19.9 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: 9.25 ng

RT: 24.29 min Scan# 4134

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

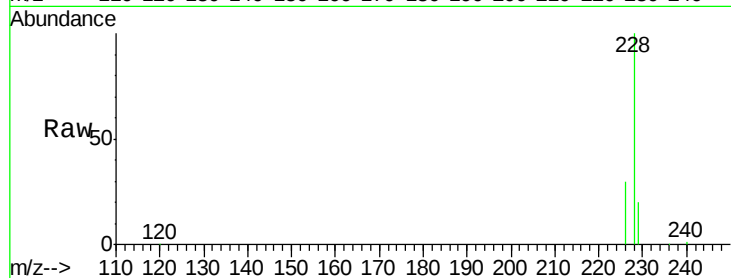
Tgt Ion: 228 Resp: 792055

Ion Ratio Lower Upper

228 100

226 30.2 23.0 34.4

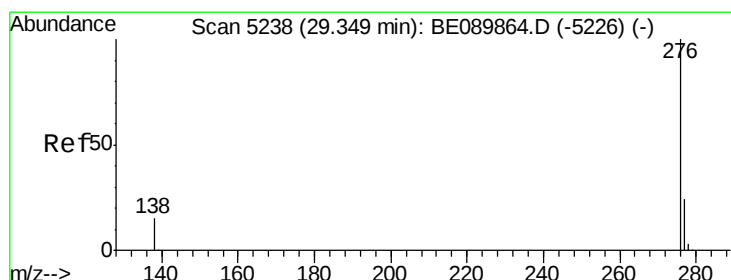
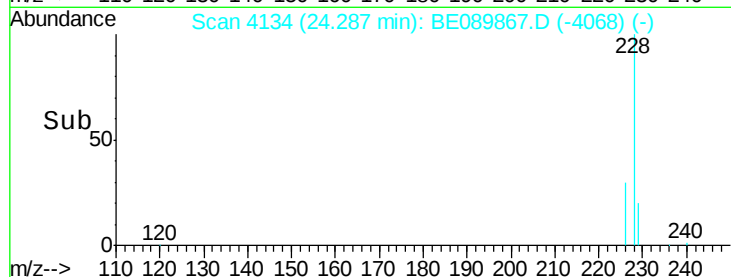
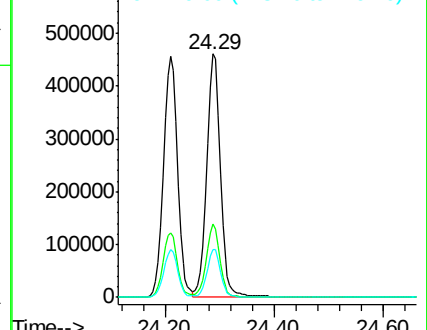
229 19.7 15.8 23.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 14.89 ng m

RT: 29.35 min Scan# 5239

Delta R.T. 0.01 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

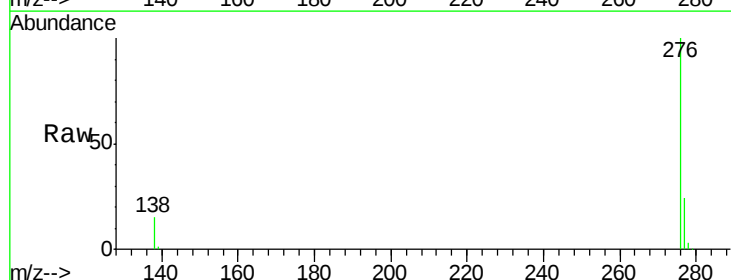
Tgt Ion: 276 Resp: 768824

Ion Ratio Lower Upper

276 100

138 10.6 4.3 6.5#

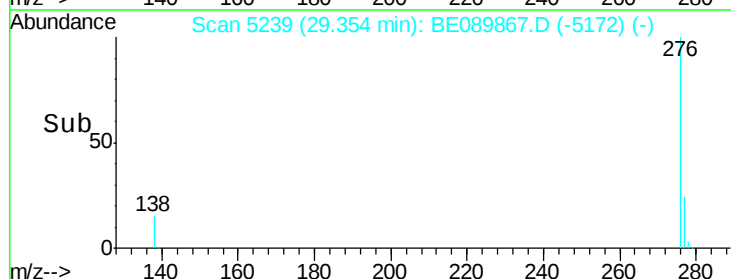
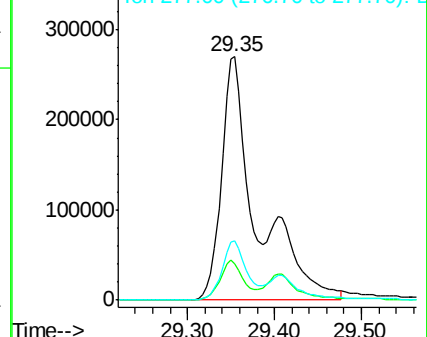
277 16.9 9.0 13.4#

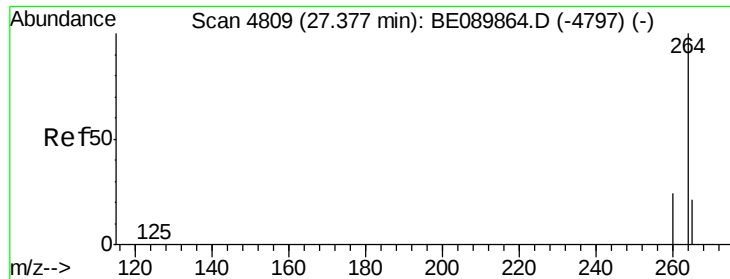


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

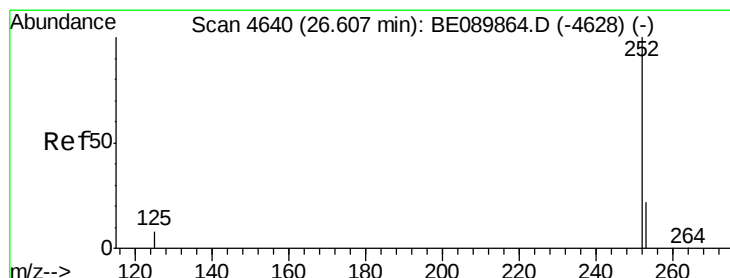
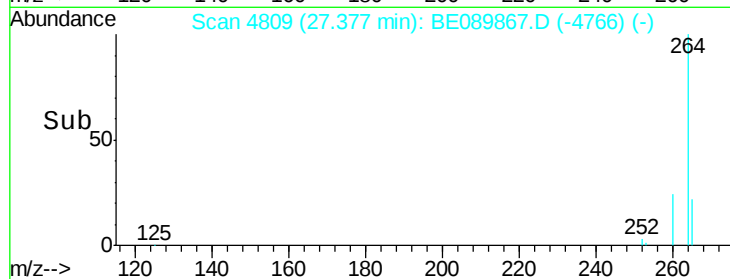
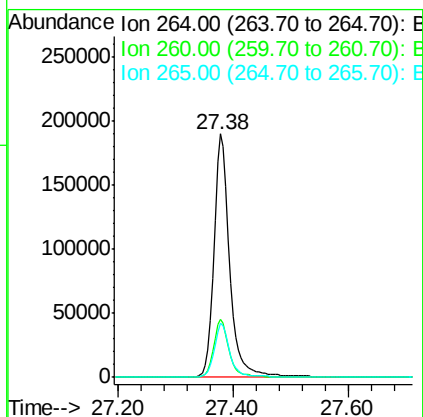
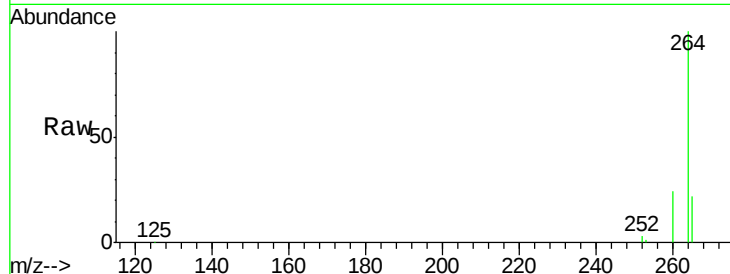




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.38 min Scan# 4809
 Delta R.T. 0.00 min
 Lab File: BE089867.D
 Acq: 26 Mar 2015 21:35

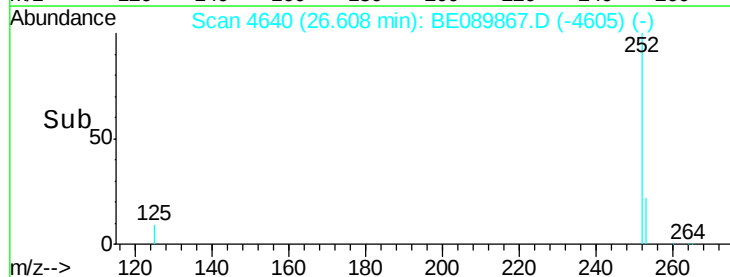
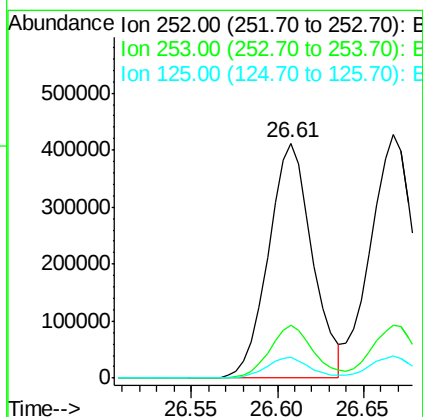
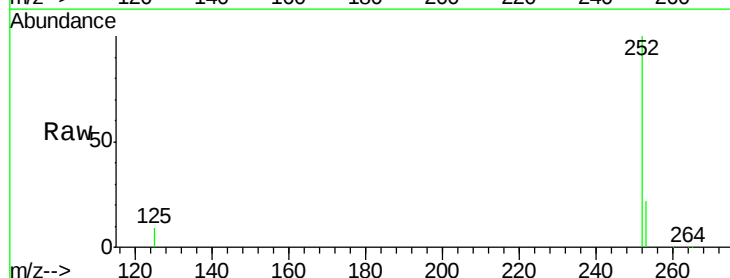
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

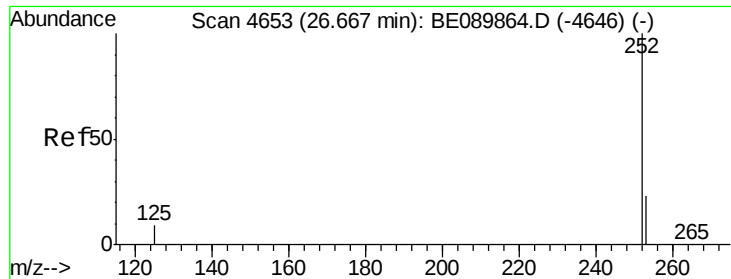
Tgt Ion: 264 Resp: 367964
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.2 27.2
 265 22.2 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 12.30 ng
 RT: 26.61 min Scan# 4640
 Delta R.T. 0.00 min
 Lab File: BE089867.D
 Acq: 26 Mar 2015 21:35

Tgt Ion: 252 Resp: 728883
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.6
 125 8.9 8.7 13.1





#27

Benzo(k)fluoranthene

Concen: 10.52 ng

RT: 26.67 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

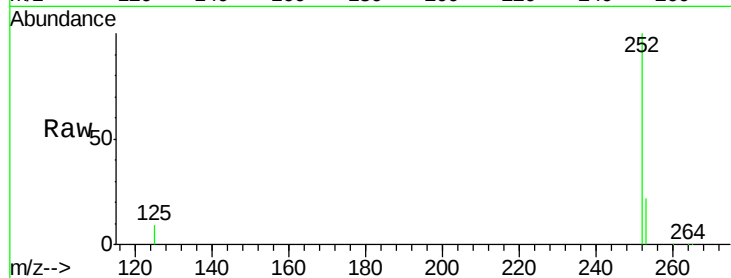
Tgt Ion:252 Resp: 836658

Ion Ratio Lower Upper

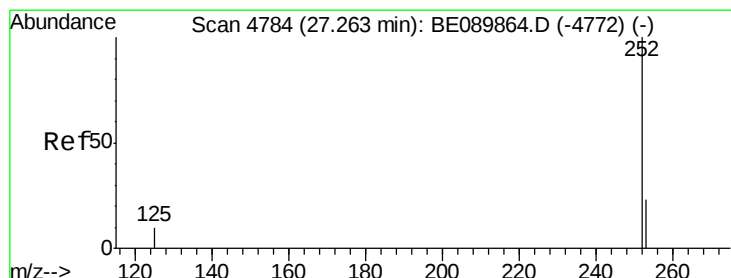
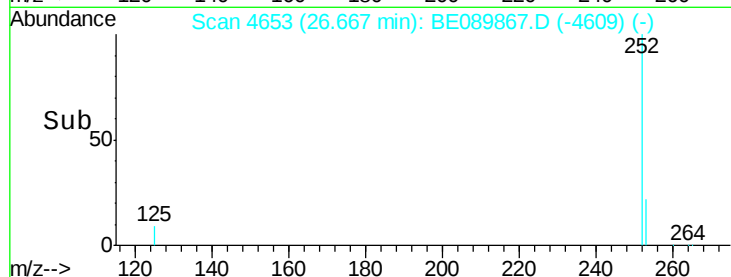
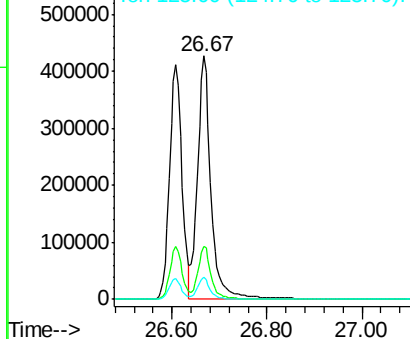
252 100

253 22.0 18.6 28.0

125 9.0 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: 12.27 ng

RT: 27.26 min Scan# 4784

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

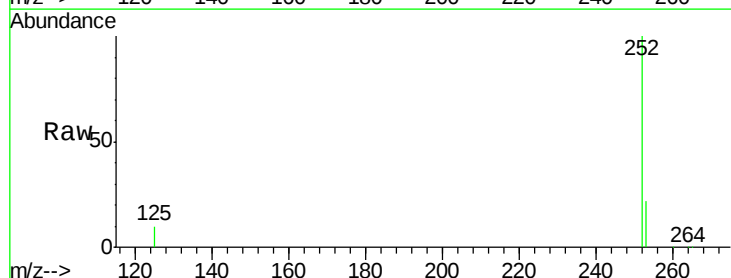
Tgt Ion:252 Resp: 683069

Ion Ratio Lower Upper

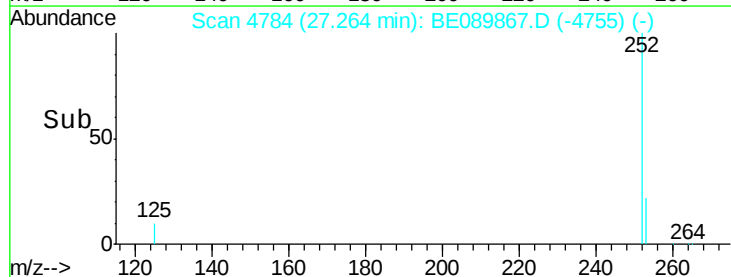
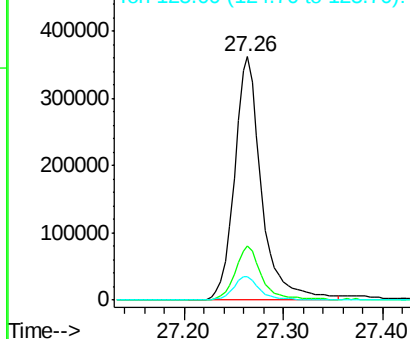
252 100

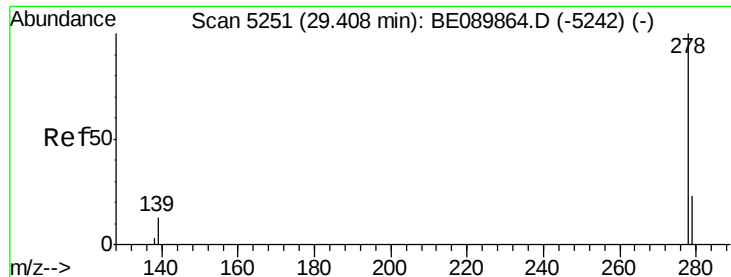
253 22.2 21.0 31.4

125 9.7 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: 15.41 ng

RT: 29.41 min Scan# 5251

Delta R.T. 0.00 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

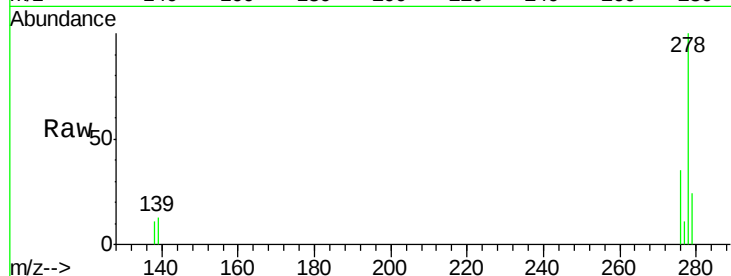
Tgt Ion: 278 Resp: 618030

Ion Ratio Lower Upper

278 100

139 13.0 20.0 30.0#

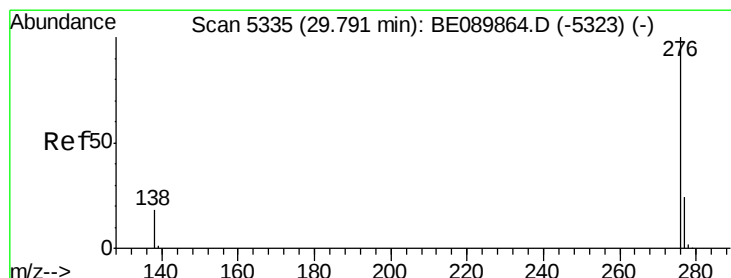
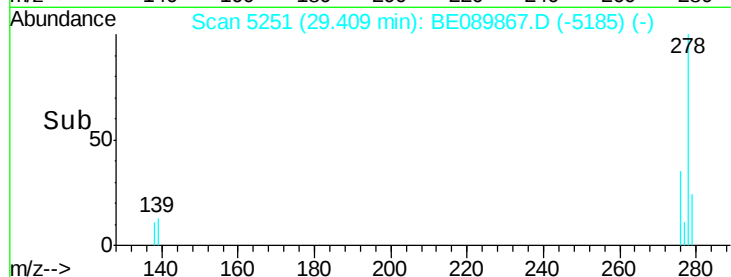
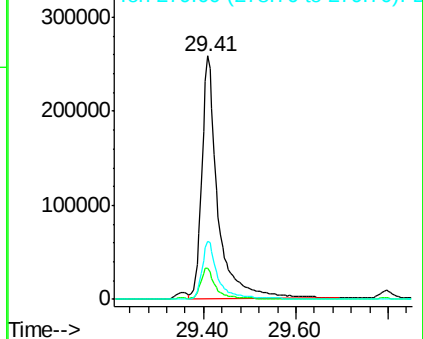
279 23.9 28.9 43.3#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 11.52 ng

RT: 29.80 min Scan# 5336

Delta R.T. 0.01 min

Lab File: BE089867.D

Acq: 26 Mar 2015 21:35

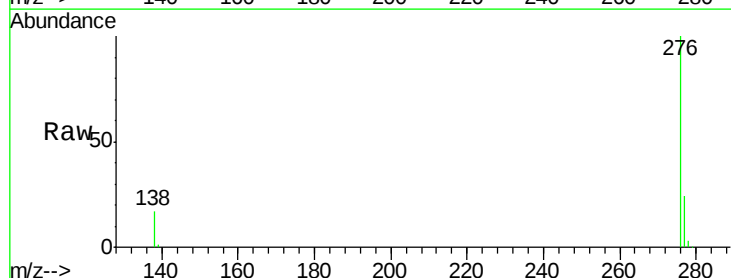
Tgt Ion: 276 Resp: 657705

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 16.9 22.9 34.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

