

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089818.D
 Acq On : 24 Mar 2015 16:51
 Operator : TP/JJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Quant Time: Mar 24 18:26:34 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

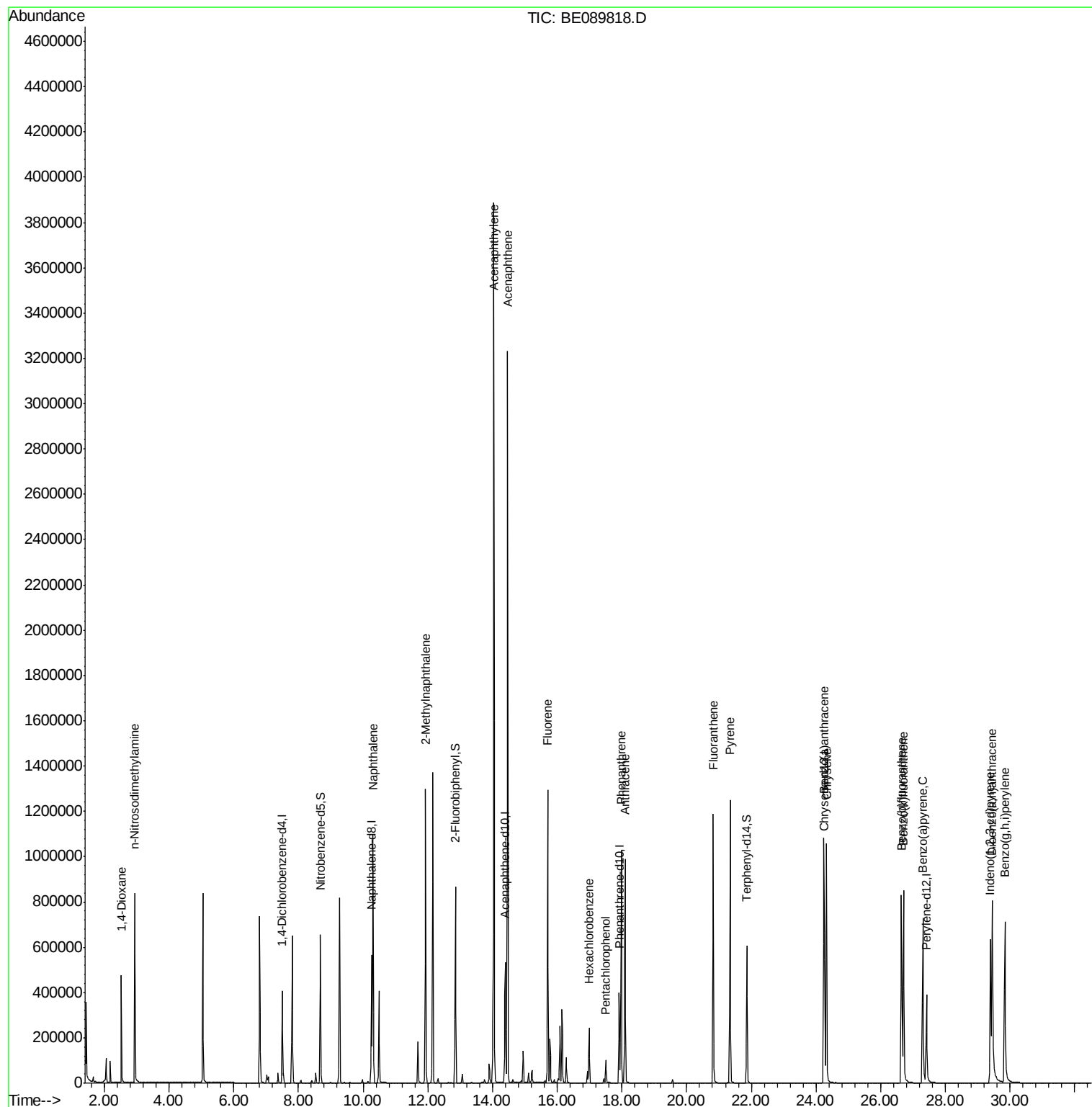
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	169809	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	709768	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	318250	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	550721	5.00	ng	0.00
19) Chrysene-d12	24.26	240	564330	5.00	ng	0.00
25) Perylene-d12	27.41	264	503535	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	527022	10.13	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	783753	10.52	ng	0.00
21) Terphenyl-d14	21.86	244	818600	9.83	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.53	88	219488	10.07	ng	92
3) n-Nitrosodimethylamine	2.94	42	364131	11.27	ng	# 85
6) Naphthalene	10.31	128	1354540	9.65	ng	96
7) 2-Methylnaphthalene	11.93	142	835193	10.72	ng	99
10) Acenaphthylene	14.04	152	4927843	10.82	ng	99
11) Acenaphthene	14.47	154	707919	10.16	ng	84
12) Fluorene	15.71	166	875214	10.35	ng	94
14) Hexachlorobenzene	16.99	284	179674	9.82	ng	95
15) Pentachlorophenol	17.50	266	73314	9.98	ng	99
16) Phenanthrene	17.98	178	1213262	10.02	ng	100
17) Anthracene	18.10	178	1193987	11.03	ng	99
18) Fluoranthene	20.82	202	1298704	11.90	ng	100
20) Pyrene	21.35	202	1343929	9.39	ng	97
22) Benzo(a)anthracene	24.25	228	1209062	11.45	ng	98
23) Chrysene	24.32	228	1197648	10.40	ng	98
24) Indeno(1,2,3-cd)pyrene	29.39	276	850582	7.34	ng	# 67
26) Benzo(b)fluoranthene	26.64	252	1115889	10.19	ng	98
27) Benzo(k)fluoranthene	26.70	252	1251352	12.13	ng	# 94
28) Benzo(a)pyrene	27.30	252	1041519	10.16	ng	# 89
29) Dibenzo(a,h)anthracene	29.45	278	999722	10.26	ng	# 78
30) Benzo(g,h,i)perylene	29.84	276	1080987	10.11	ng	# 89

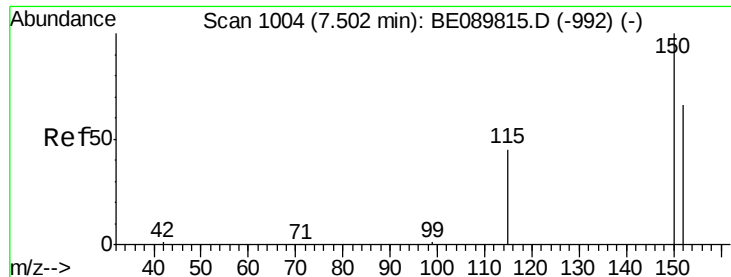
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

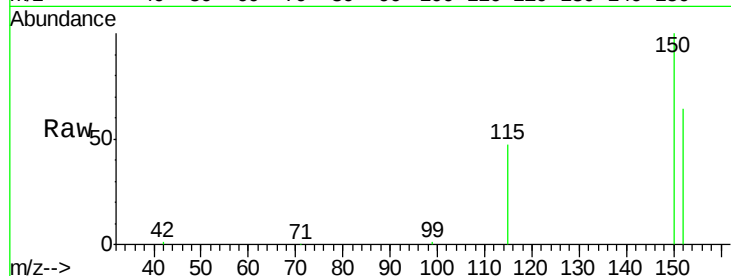
Tgt Ion: 152 Resp: 169809

Ion Ratio Lower Upper

152 100

150 155.6 125.5 188.3

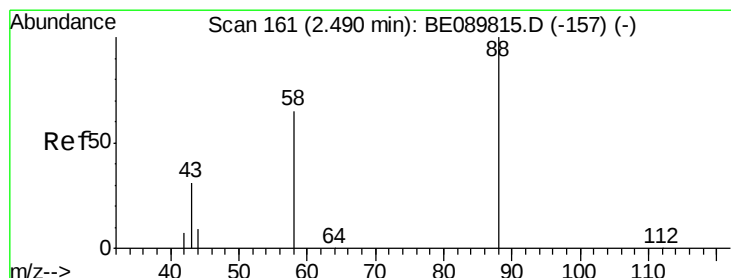
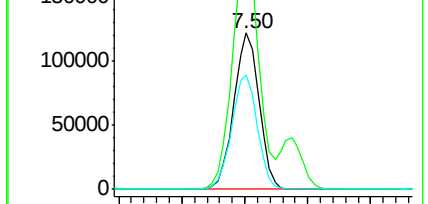
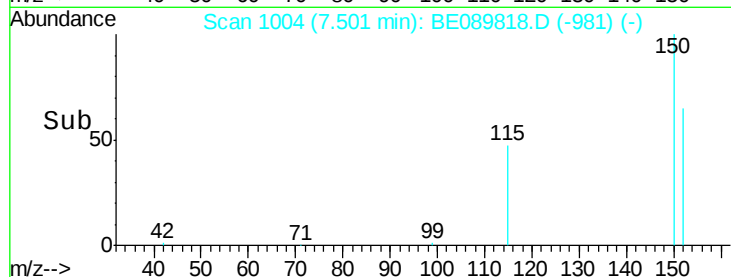
115 73.0 58.0 87.0



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: 10.07 ng

RT: 2.53 min Scan# 167

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

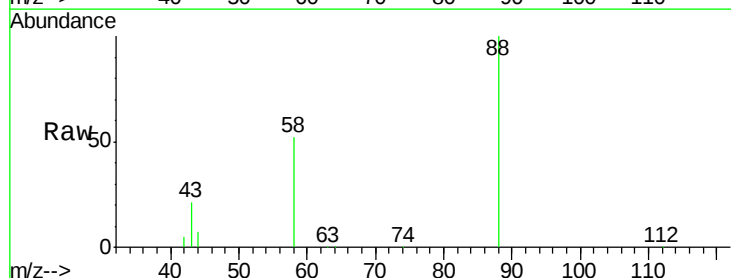
Tgt Ion: 88 Resp: 219488

Ion Ratio Lower Upper

88 100

58 70.1 48.6 72.8

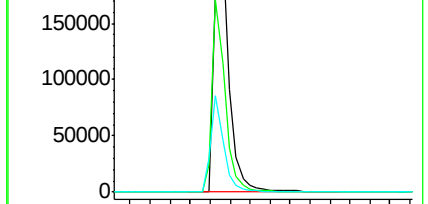
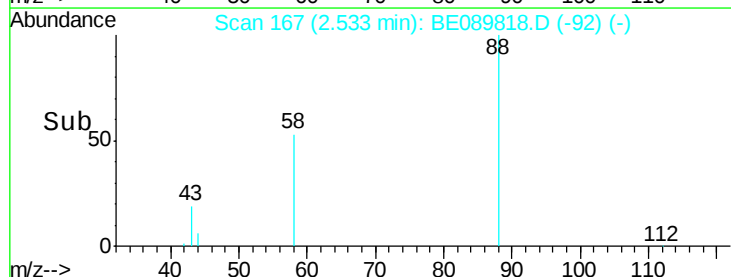
43 35.0 28.6 43.0

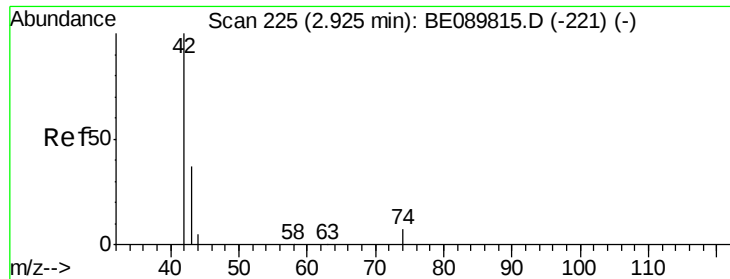


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



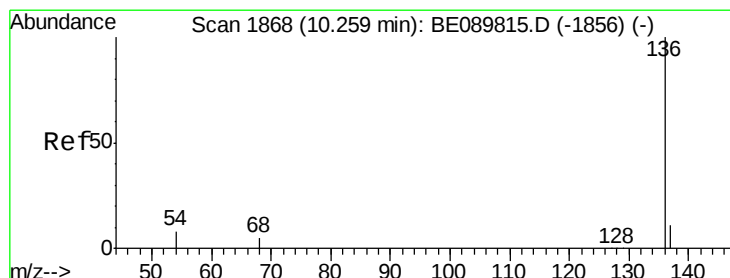
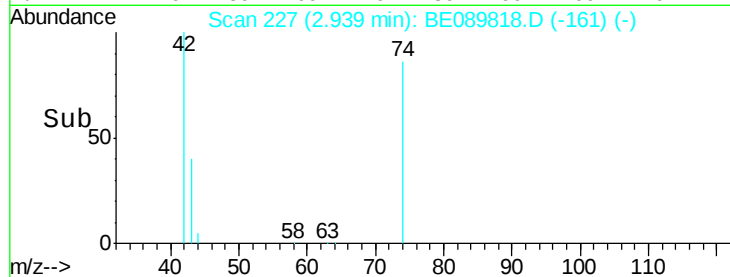
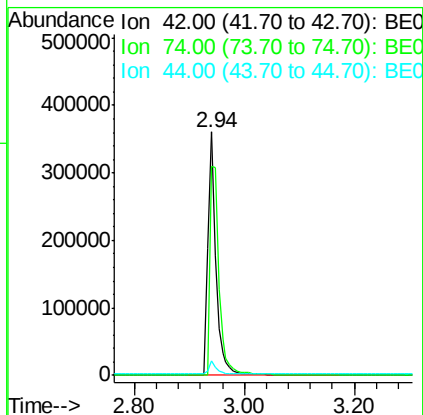
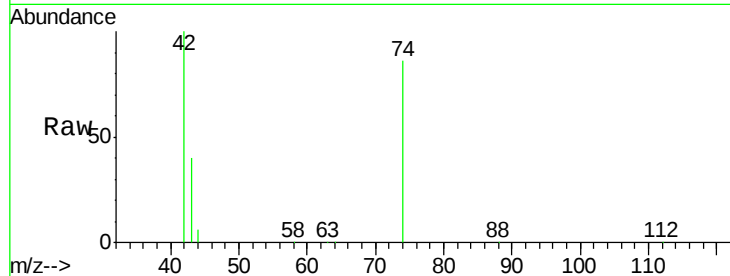


#3

n-Nitrosodimethylamine
 Concen: 11.27 ng
 RT: 2.94 min Scan# 227
 Delta R.T. -0.05 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

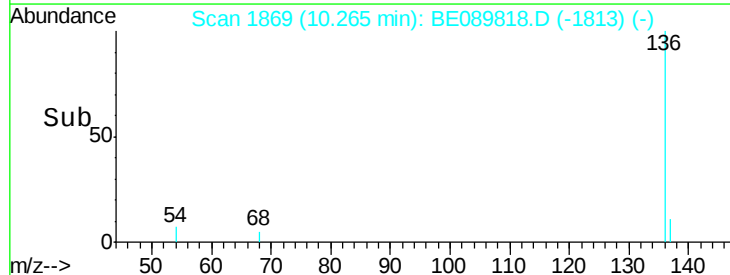
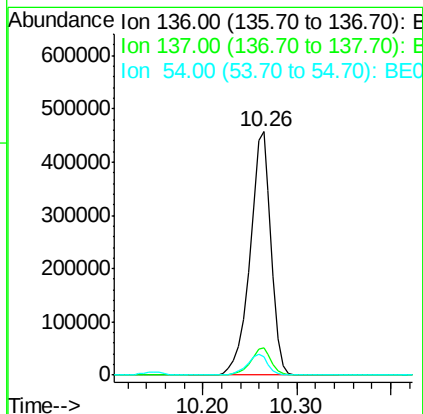
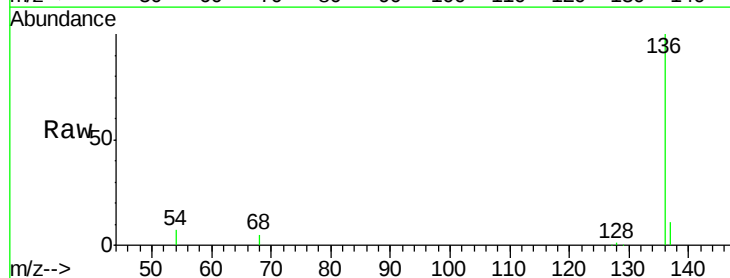
Tgt Ion: 42 Resp: 364131
 Ion Ratio Lower Upper
 42 100
 74 100.7 68.7 103.1
 44 5.1 6.2 9.4#

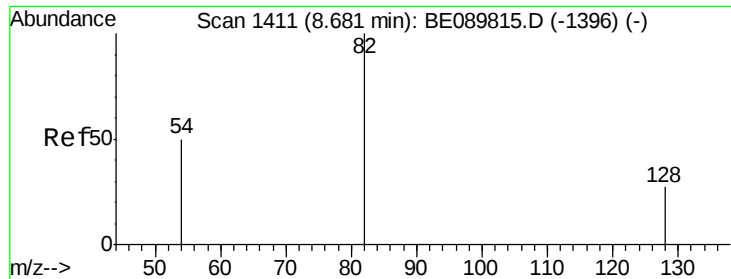


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.26 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Tgt Ion: 136 Resp: 709768
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.8 13.2
 54 7.3 7.0 10.4





#5

Nitrobenzene-d5

Concen: 10.13 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

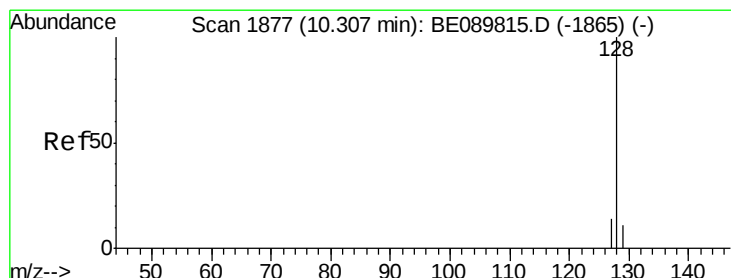
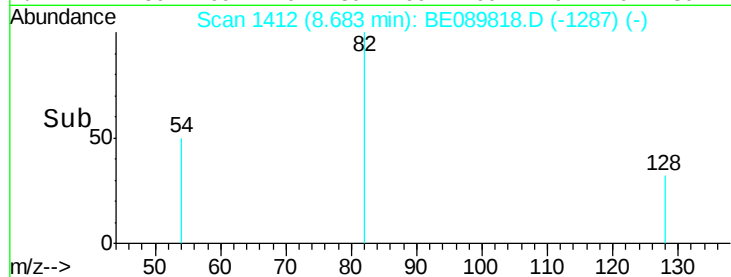
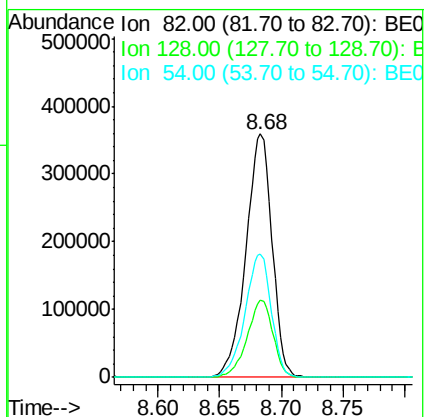
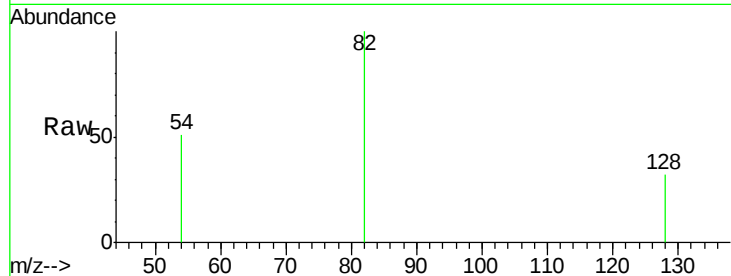
Tgt Ion: 82 Resp: 527022

Ion Ratio Lower Upper

82 100

128 31.7 24.6 37.0

54 50.7 43.0 64.6



#6

Naphthalene

Concen: 9.65 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

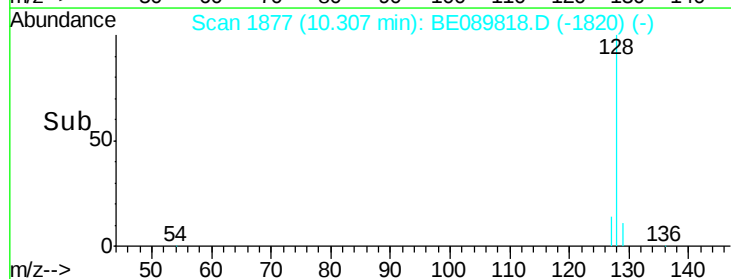
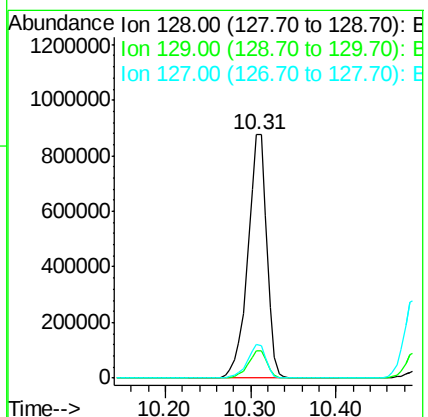
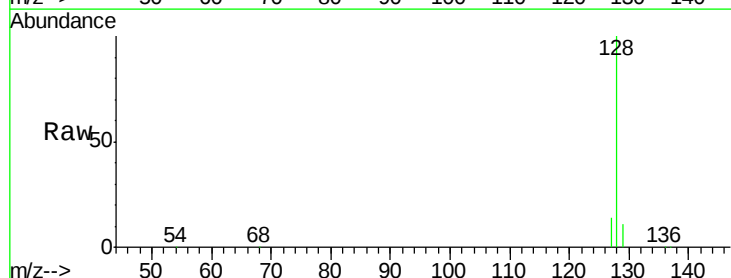
Tgt Ion: 128 Resp: 1354540

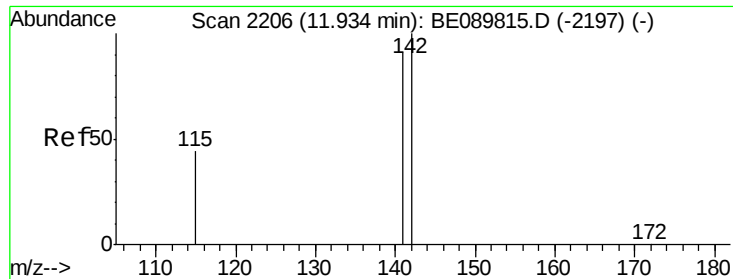
Ion Ratio Lower Upper

128 100

129 11.2 10.0 15.0

127 14.1 12.5 18.7





#7

2-Methylnaphthalene

Concen: 10.72 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

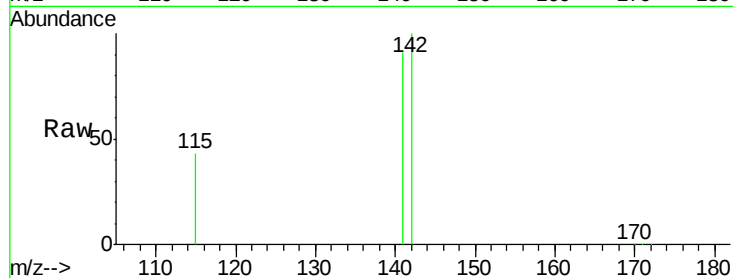
Tgt Ion:142 Resp: 835193

Ion Ratio Lower Upper

142 100

141 90.9 72.8 109.2

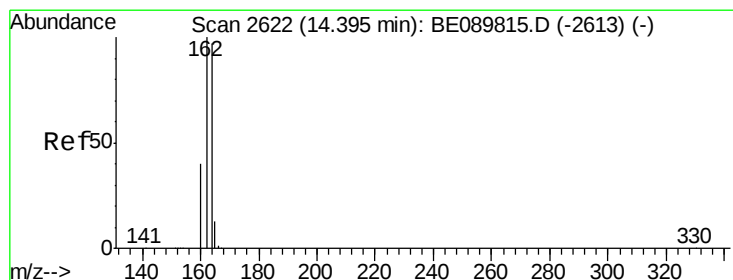
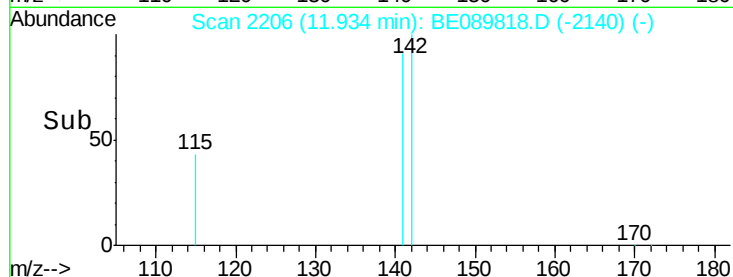
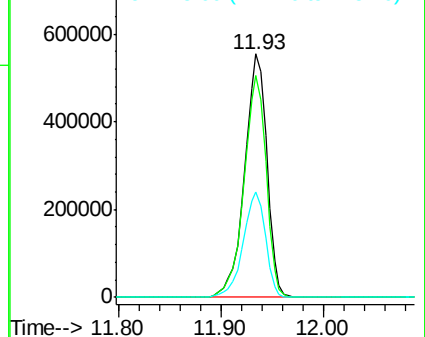
115 43.4 32.9 49.3



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# 2622

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

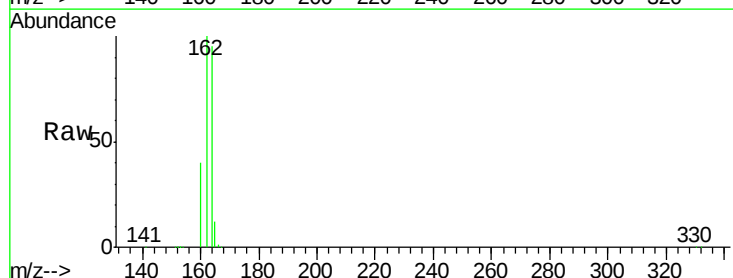
Tgt Ion:164 Resp: 318250

Ion Ratio Lower Upper

164 100

162 105.0 87.6 131.4

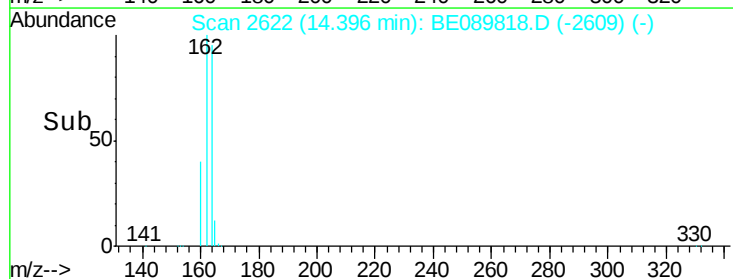
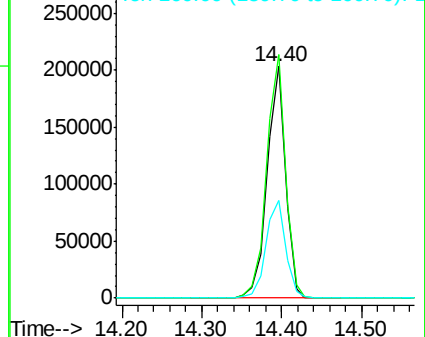
160 42.1 36.7 55.1

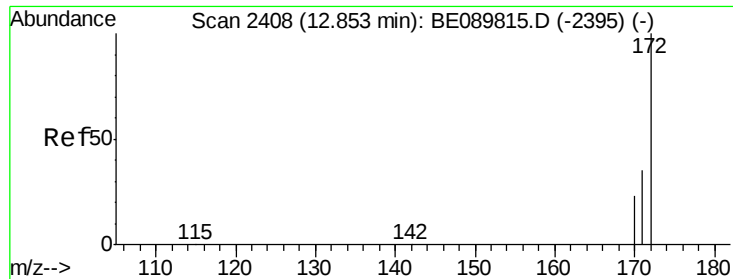


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 10.52 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

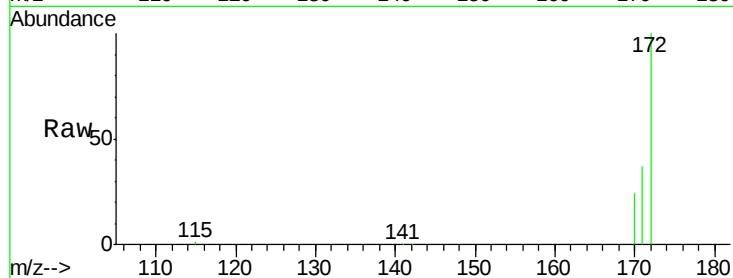
Tgt Ion:172 Resp: 783753

Ion Ratio Lower Upper

172 100

171 36.7 30.8 46.2

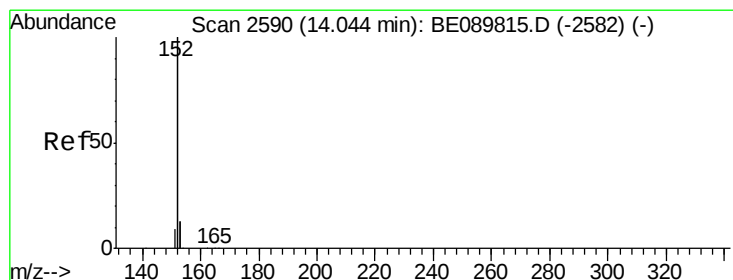
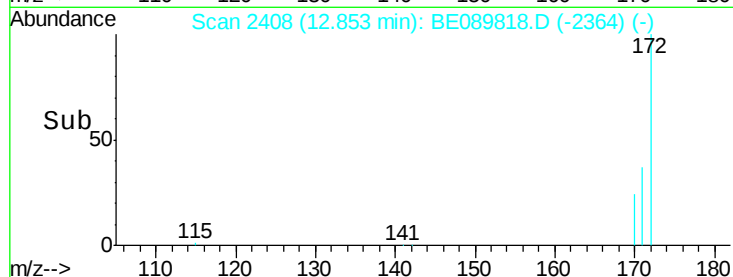
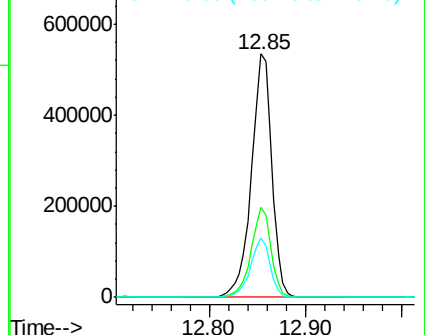
170 24.3 21.0 31.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#10

Acenaphthylene

Concen: 10.82 ng

RT: 14.04 min Scan# 2590

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

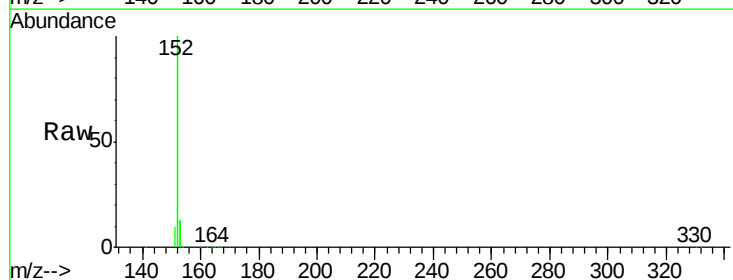
Tgt Ion:152 Resp: 4927843

Ion Ratio Lower Upper

152 100

151 5.1 3.9 5.9

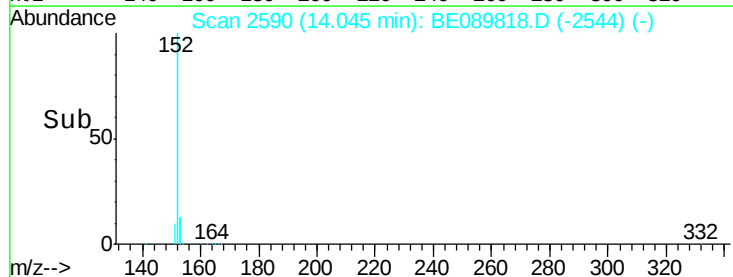
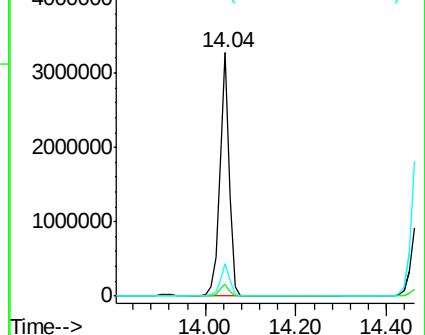
153 13.3 11.0 16.4

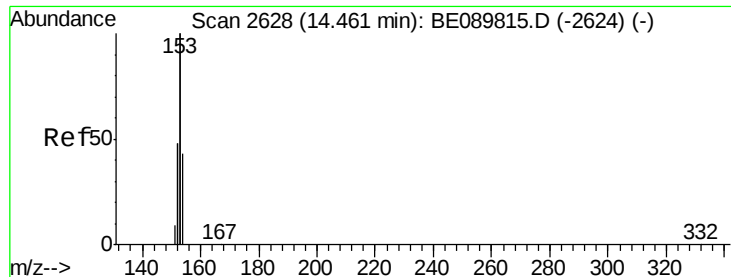


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 10.16 ng

RT: 14.47 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

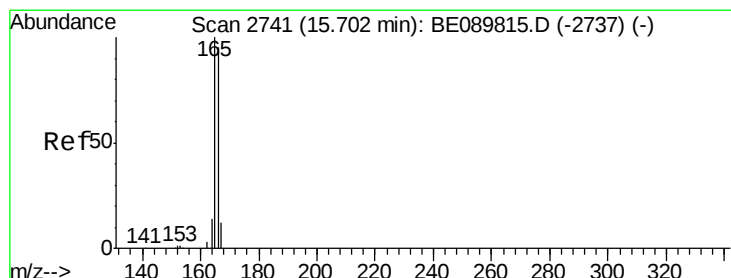
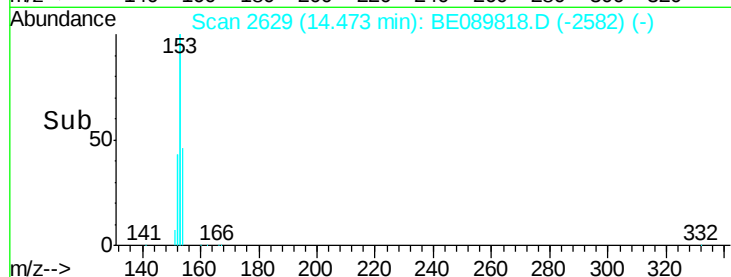
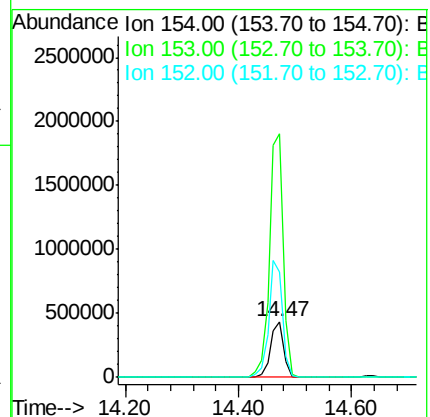
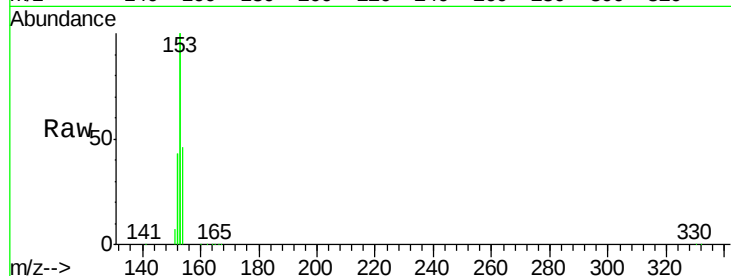
Tgt Ion:154 Resp: 707919

Ion Ratio Lower Upper

154 100

153 460.6 401.5 602.3

152 217.3 198.6 298.0



#12

Fluorene

Concen: 10.35 ng

RT: 15.71 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

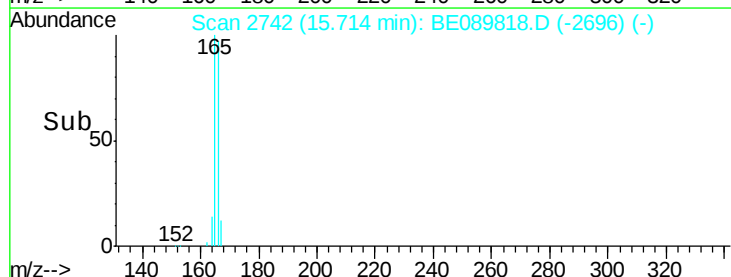
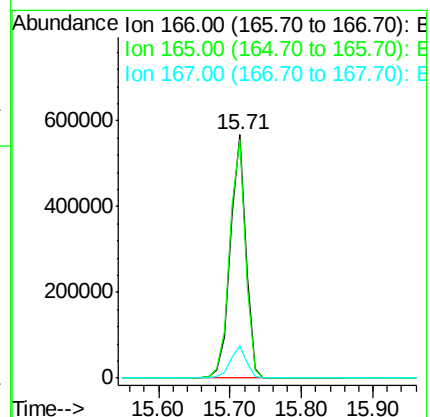
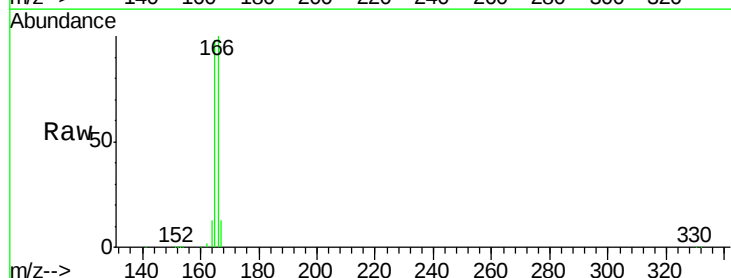
Tgt Ion:166 Resp: 875214

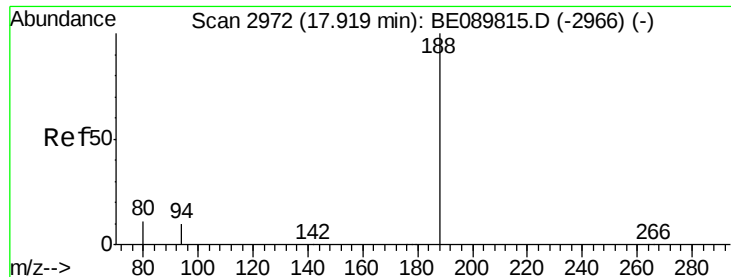
Ion Ratio Lower Upper

166 100

165 100.0 85.1 127.7

167 13.3 12.2 18.4

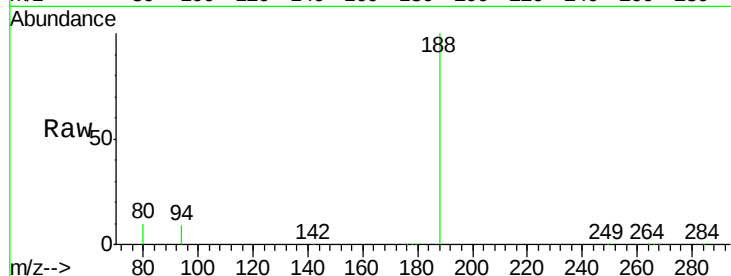




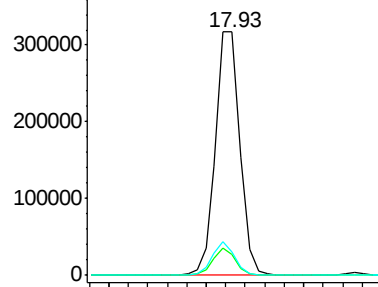
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2972
Delta R.T. 0.01 min
Lab File: BE089818.D
Acq: 24 Mar 2015 16:51

Instrument :
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SSTDICC010

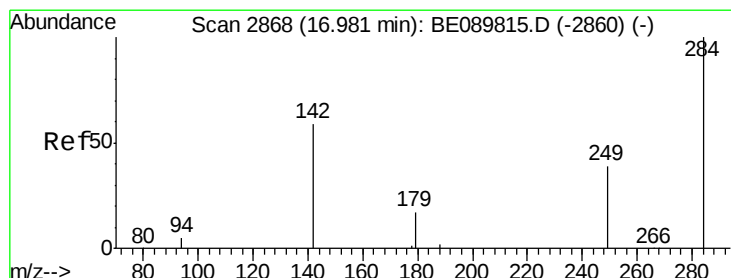
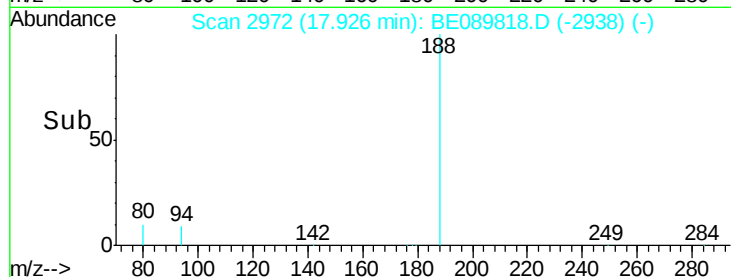
Tgt Ion:188 Resp: 550721
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 9.7 10.0 15.0#



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

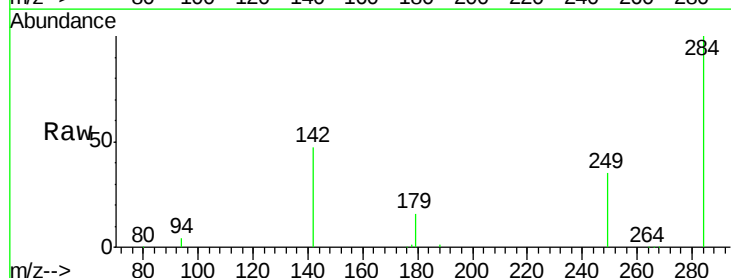


Time--> 17.80 17.90 18.00

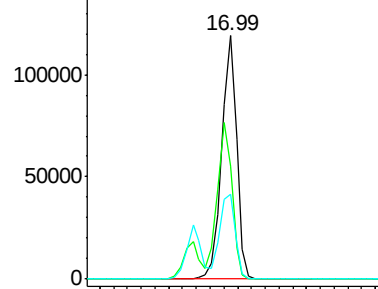


#14
Hexachlorobenzene
Concen: 9.82 ng
RT: 16.99 min Scan# 2868
Delta R.T. 0.01 min
Lab File: BE089818.D
Acq: 24 Mar 2015 16:51

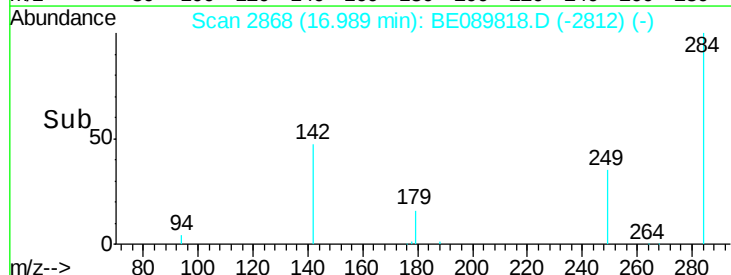
Tgt Ion:284 Resp: 179674
Ion Ratio Lower Upper
284 100
142 62.8 53.3 79.9
249 35.5 31.1 46.7

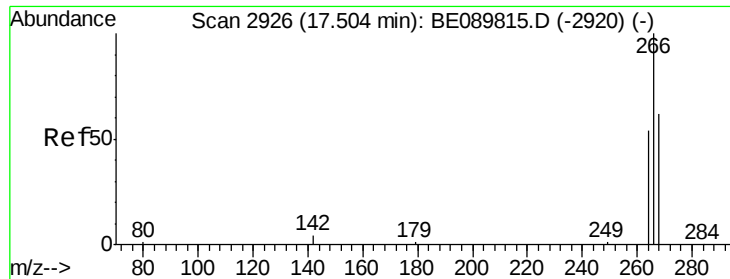


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time--> 16.80 16.90 17.00 17.10

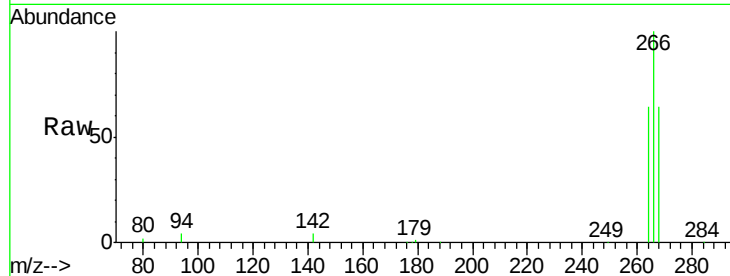




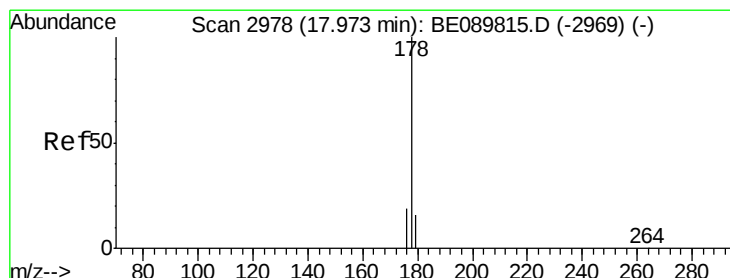
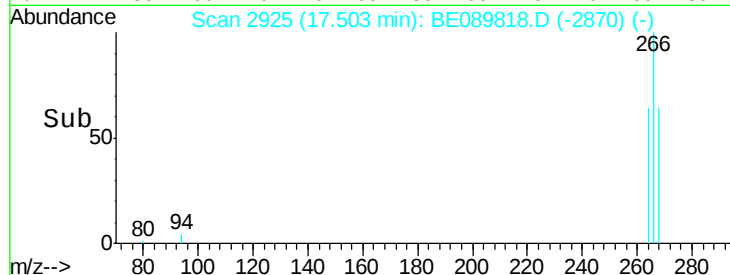
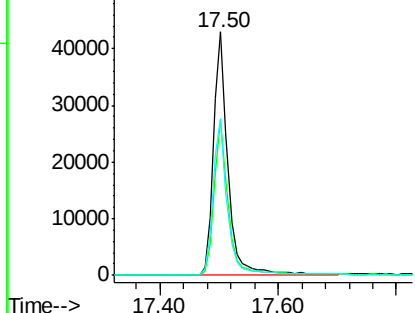
#15
 Pentachlorophenol
 Concen: 9.98 ng
 RT: 17.50 min Scan# 2925
 Delta R.T. -0.00 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion: 266 Resp: 73314
 Ion Ratio Lower Upper
 266 100
 268 63.9 51.6 77.4
 264 64.3 50.2 75.2

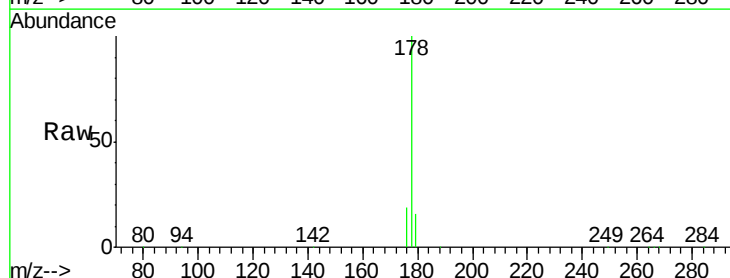


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

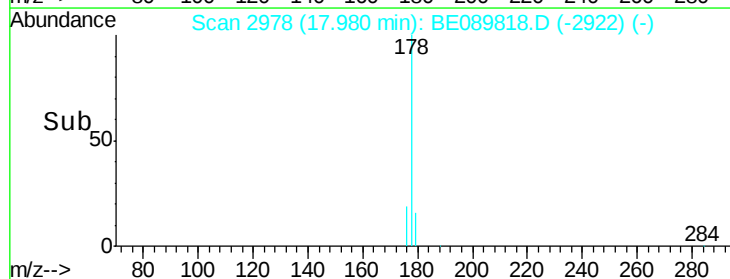
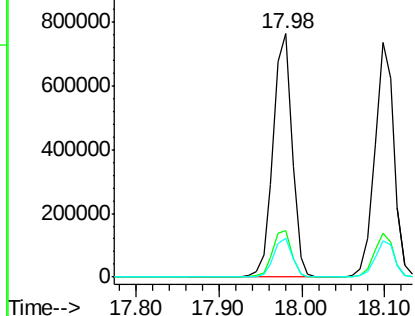


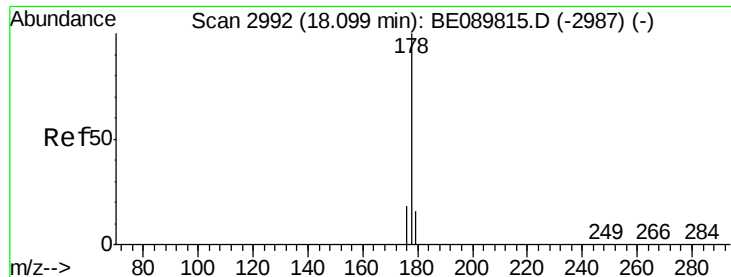
#16
 Phenanthrene
 Concen: 10.02 ng
 RT: 17.98 min Scan# 2978
 Delta R.T. 0.01 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Tgt Ion: 178 Resp: 1213262
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.6 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: 11.03 ng

RT: 18.10 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

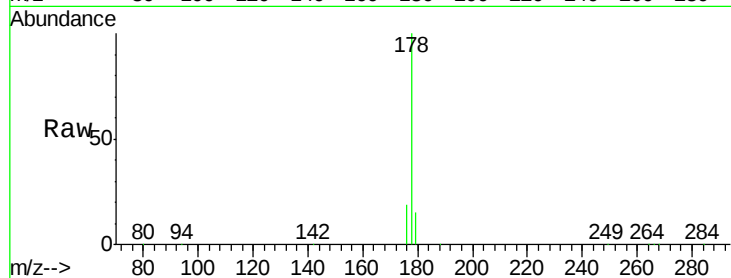
Tgt Ion:178 Resp: 1193987

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

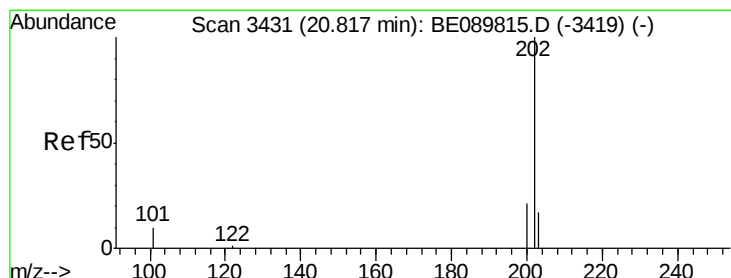
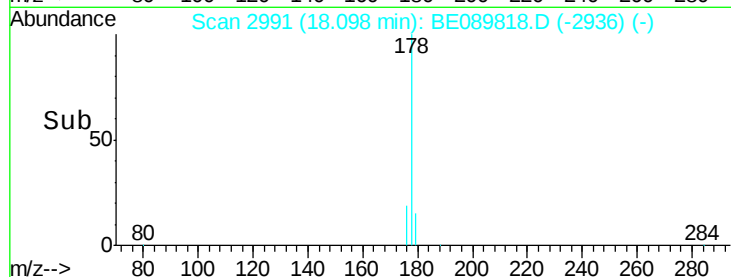
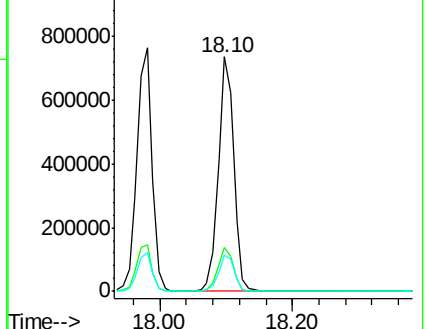
179 15.5 12.1 18.1



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: 11.90 ng

RT: 20.82 min Scan# 3431

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

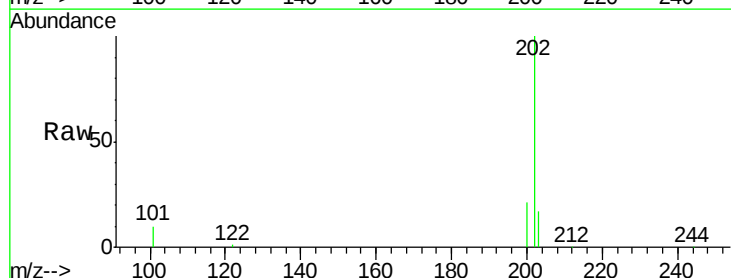
Tgt Ion:202 Resp: 1298704

Ion Ratio Lower Upper

202 100

101 10.0 8.2 12.2

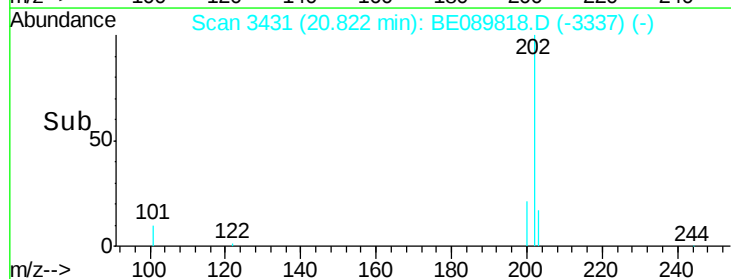
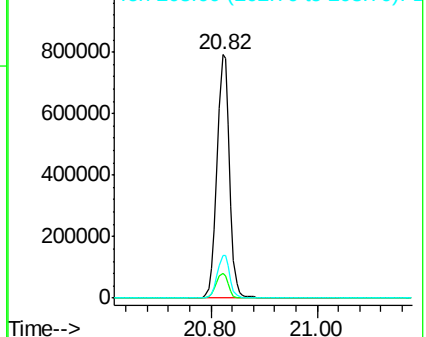
203 17.6 14.2 21.4

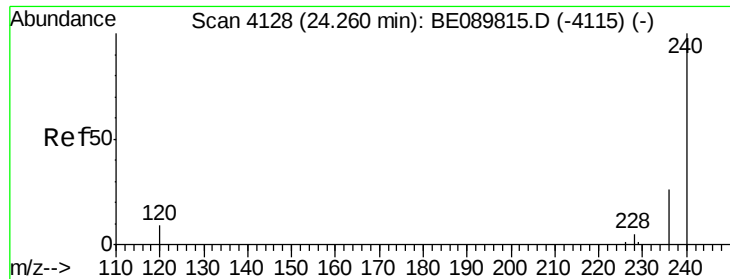


Abundance Ion 202.00 (201.70 to 202.70): E

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# 4128

Delta R.T. 0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

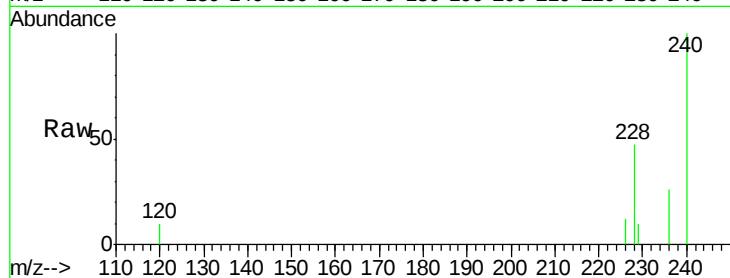
Tgt Ion:240 Resp: 564330

Ion Ratio Lower Upper

240 100

120 10.4 7.5 11.3

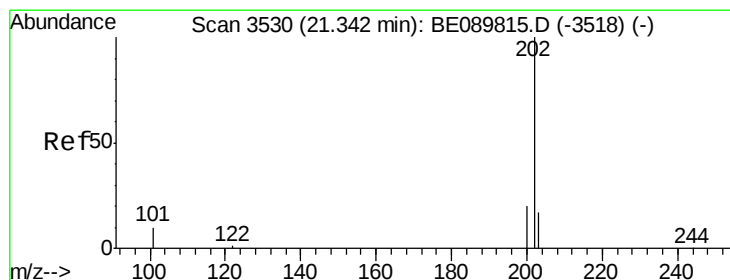
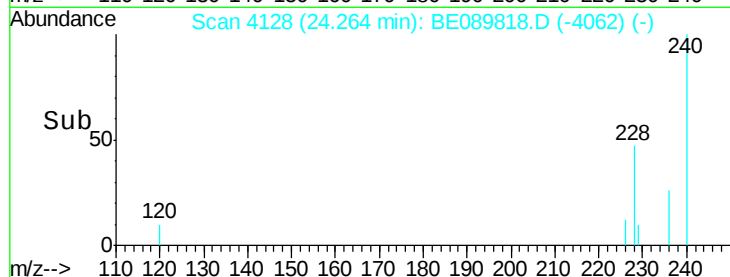
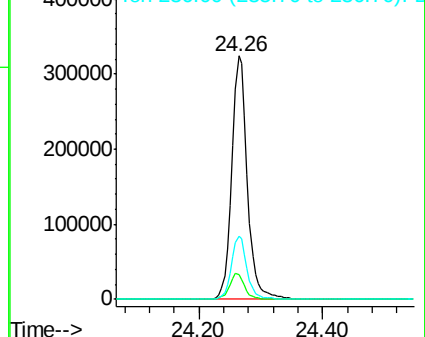
236 26.2 20.5 30.7



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: 9.39 ng

RT: 21.35 min Scan# 3530

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

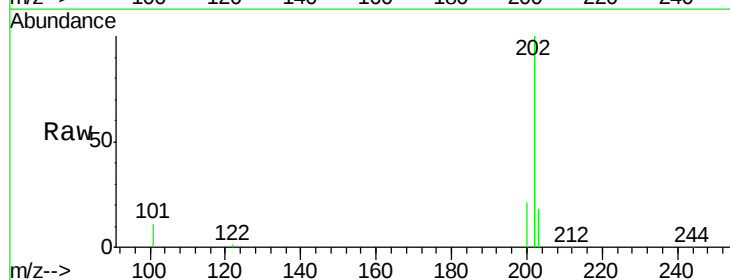
Tgt Ion:202 Resp: 1343929

Ion Ratio Lower Upper

202 100

200 21.4 15.9 23.9

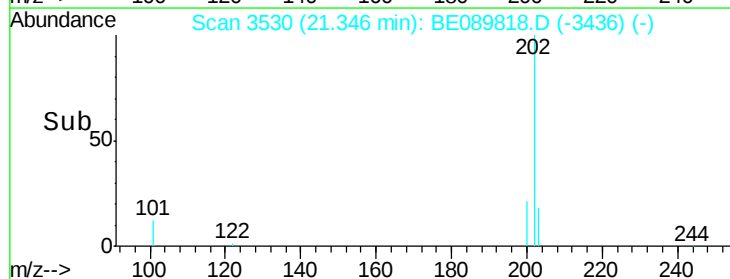
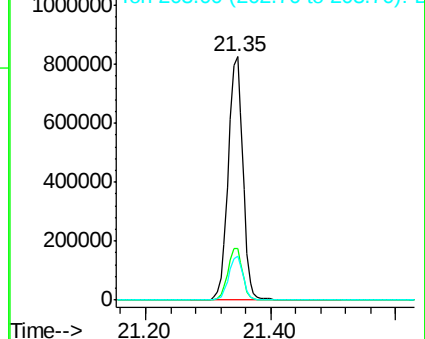
203 17.8 13.6 20.4

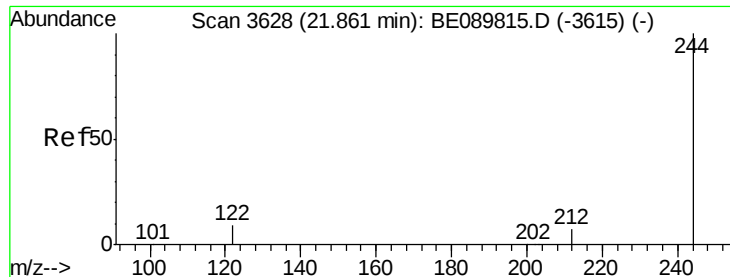


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 9.83 ng

RT: 21.86 min Scan# 3627

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

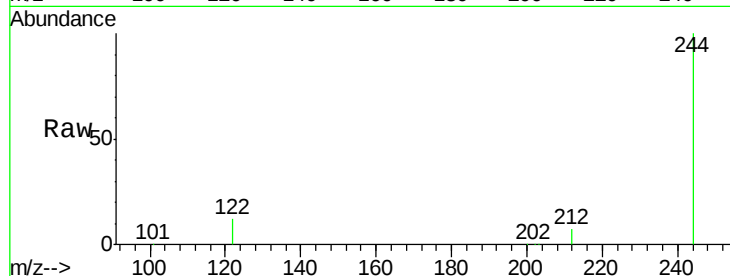
Tgt Ion:244 Resp: 818600

Ion Ratio Lower Upper

244 100

212 7.4 7.3 10.9

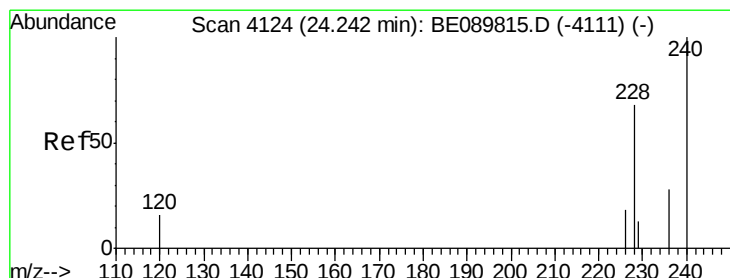
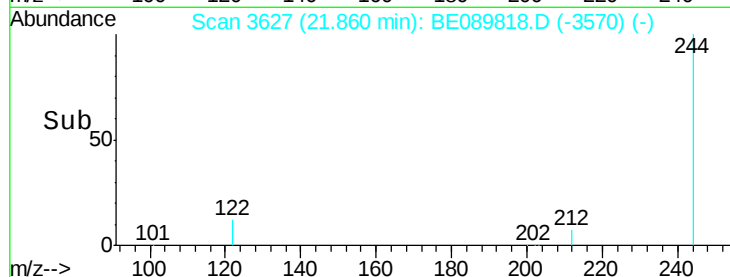
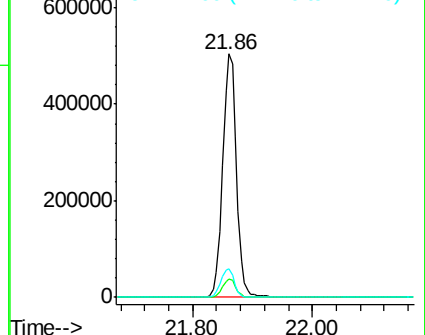
122 11.8 10.5 15.7



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: 11.45 ng

RT: 24.25 min Scan# 4124

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

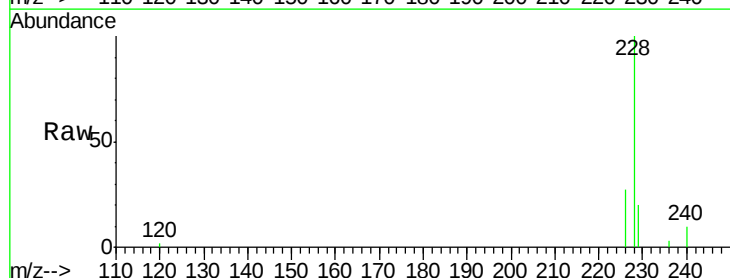
Tgt Ion:228 Resp: 1209062

Ion Ratio Lower Upper

228 100

226 26.8 19.8 29.8

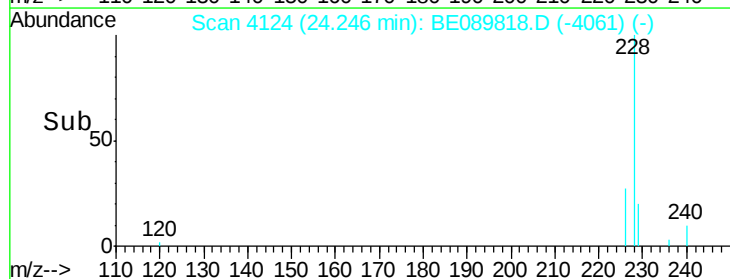
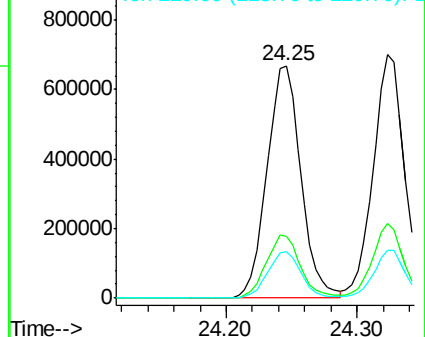
229 20.2 16.3 24.5

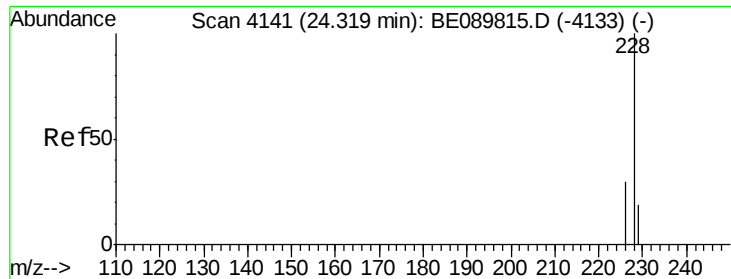


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 10.40 ng

RT: 24.32 min Scan# 4141

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

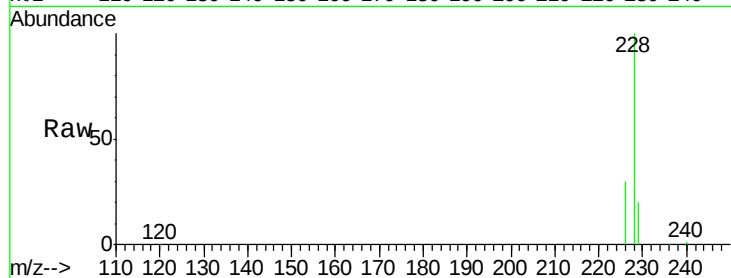
Tgt Ion:228 Resp: 1197648

Ion Ratio Lower Upper

228 100

226 30.4 23.0 34.4

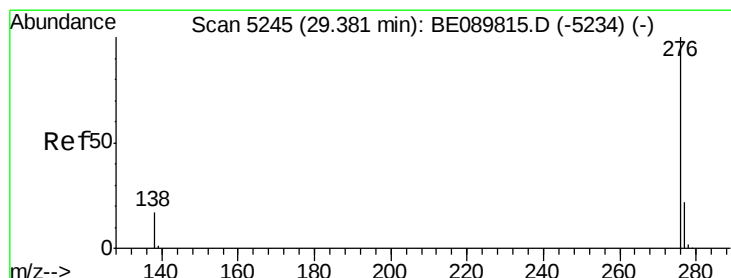
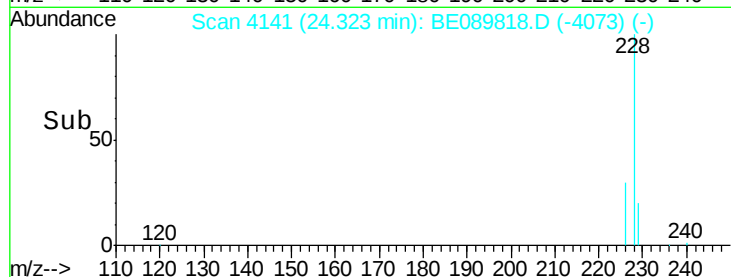
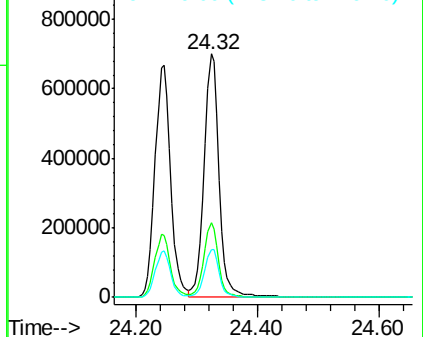
229 19.7 15.8 23.6



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: 7.34 ng

RT: 29.39 min Scan# 5246

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

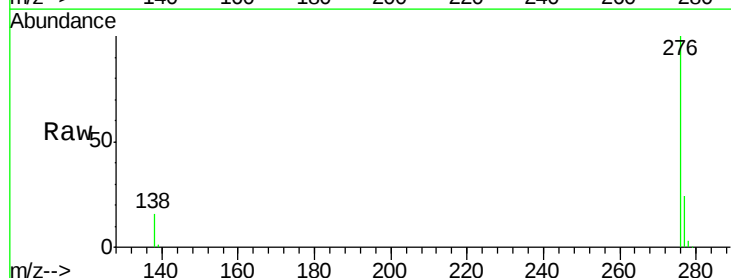
Tgt Ion:276 Resp: 850582

Ion Ratio Lower Upper

276 100

138 16.1 4.3 6.5#

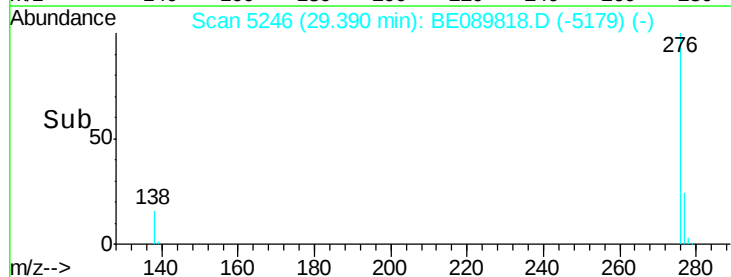
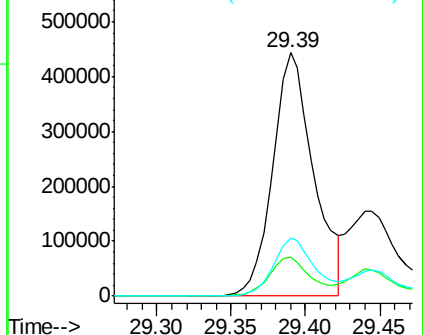
277 23.9 9.0 13.4#

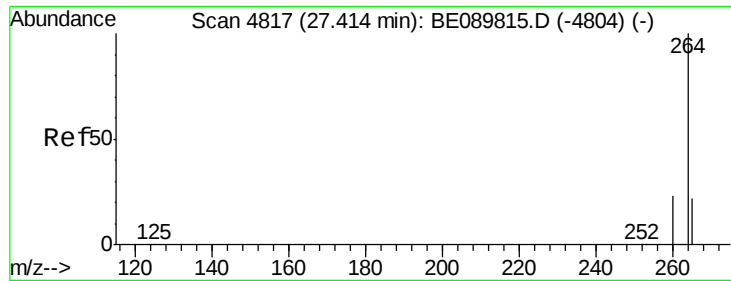


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

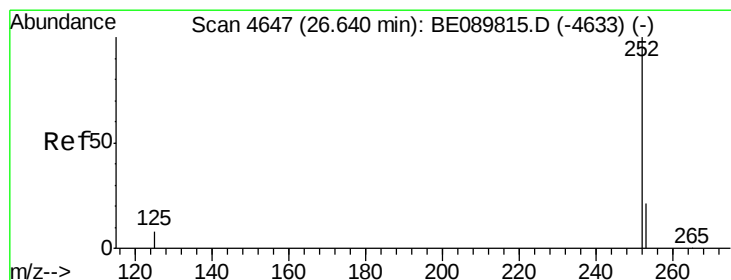
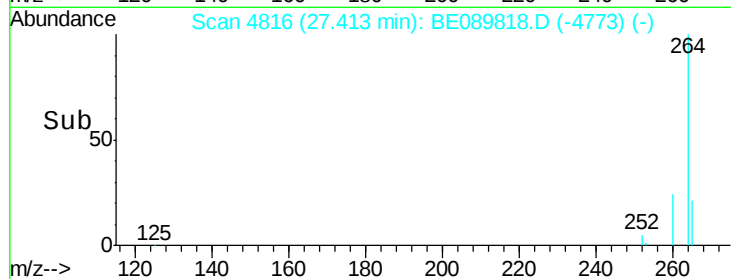
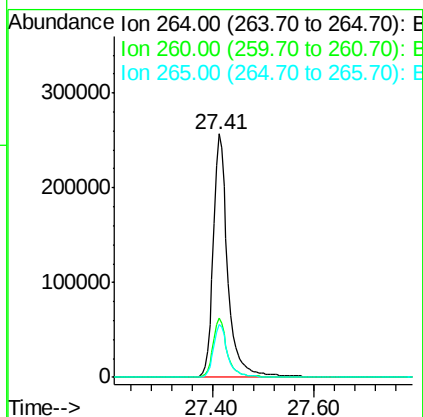
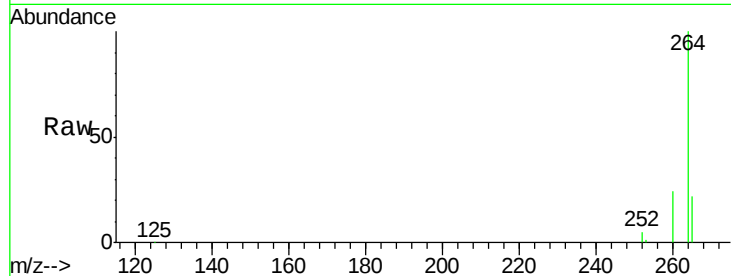




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4816
 Delta R.T. -0.00 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

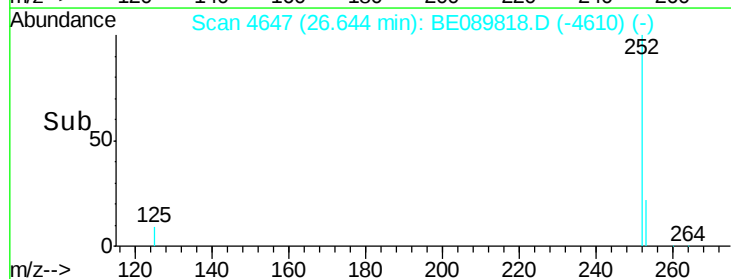
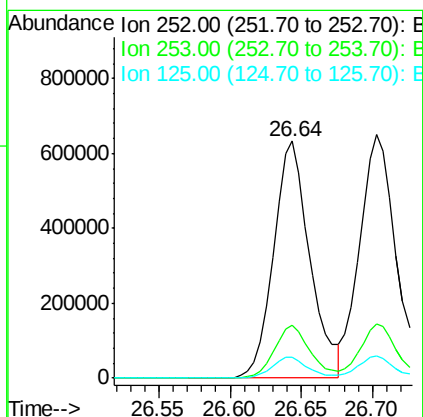
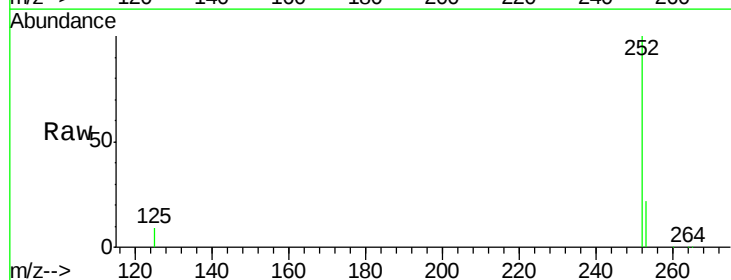
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

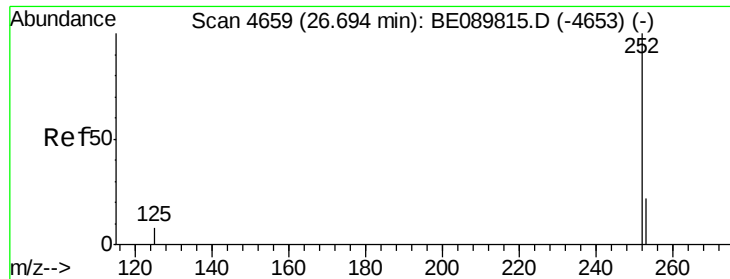
Tgt Ion: 264 Resp: 503535
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.2 27.2
 265 21.5 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 10.19 ng
 RT: 26.64 min Scan# 4647
 Delta R.T. 0.01 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Tgt Ion: 252 Resp: 1115889
 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: 12.13 ng

RT: 26.70 min Scan# 4660

Delta R.T. 0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

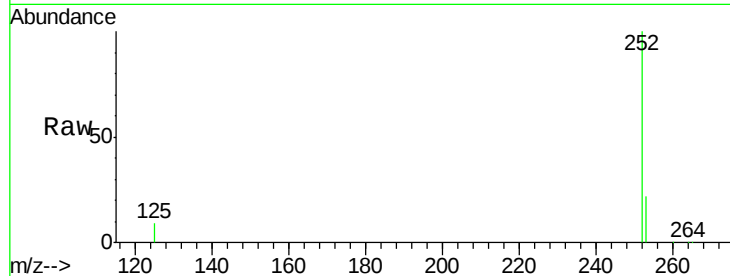
Tgt Ion:252 Resp: 1251352

Ion Ratio Lower Upper

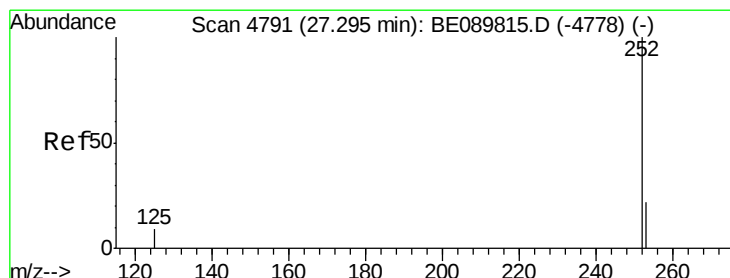
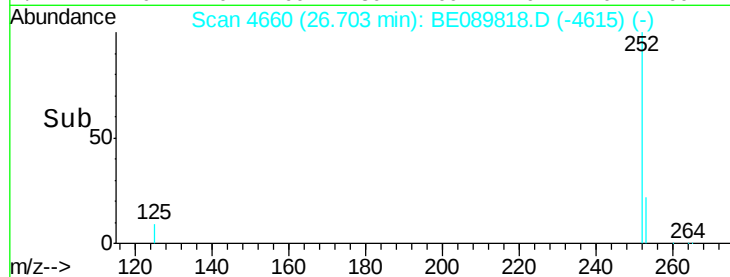
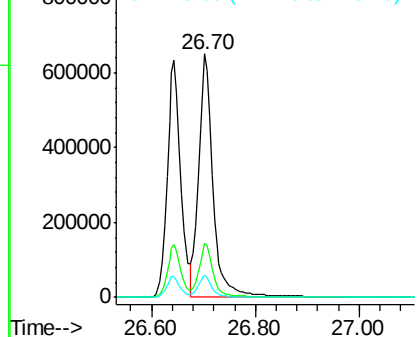
252 100

253 22.1 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: 10.16 ng

RT: 27.30 min Scan# 4791

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

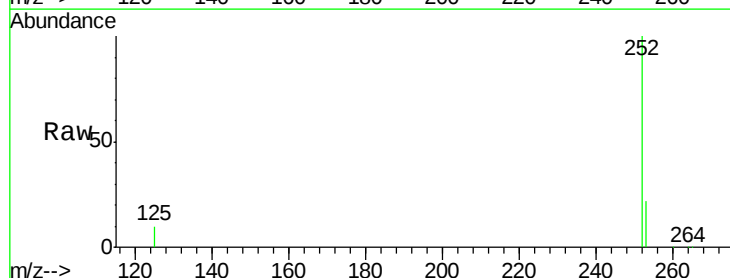
Tgt Ion:252 Resp: 1041519

Ion Ratio Lower Upper

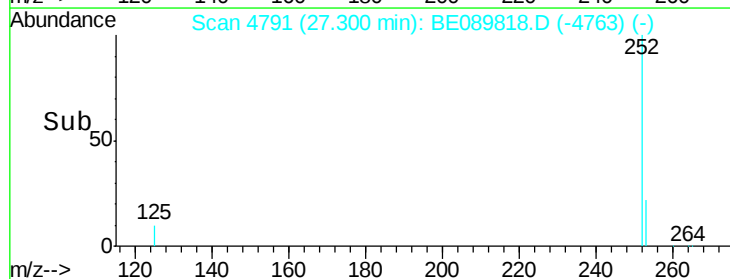
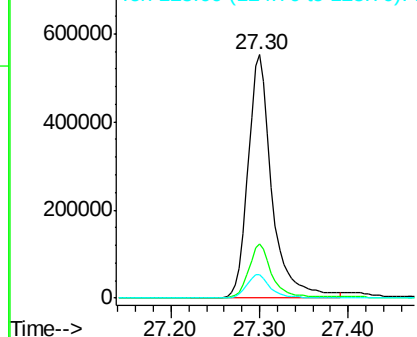
252 100

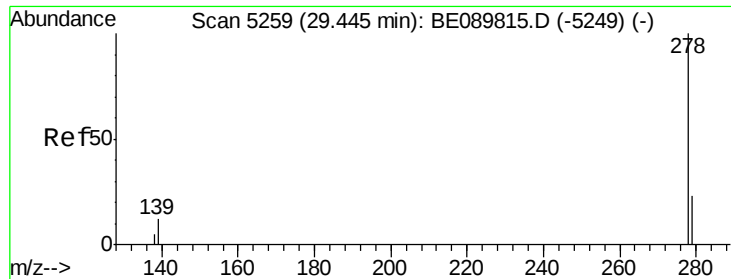
253 22.4 21.0 31.4

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: 10.26 ng

RT: 29.45 min Scan# 5259

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

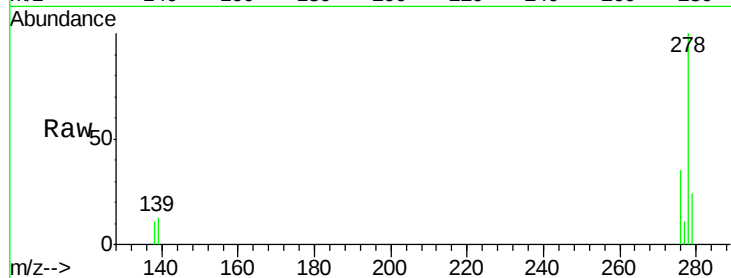
Tgt Ion:278 Resp: 999722

Ion Ratio Lower Upper

278 100

139 12.5 20.0 30.0#

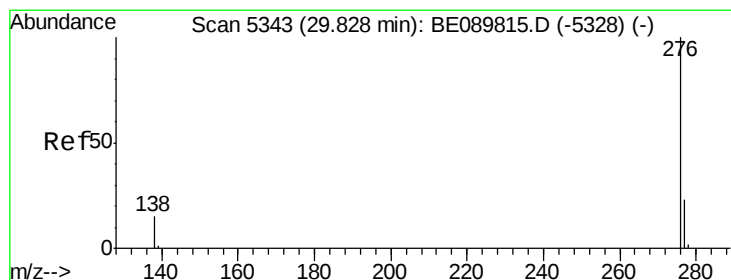
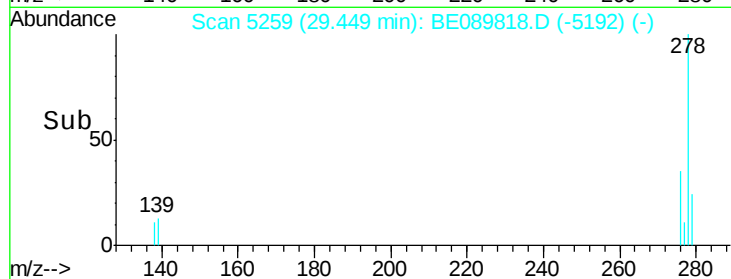
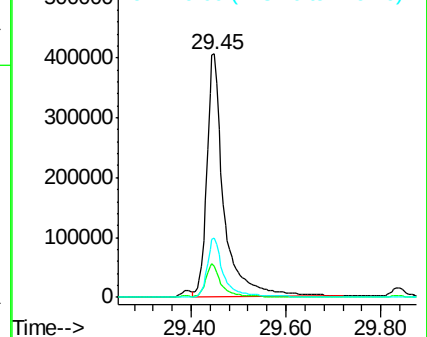
279 24.5 28.9 43.3#



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: 10.11 ng

RT: 29.84 min Scan# 5344

Delta R.T. 0.02 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

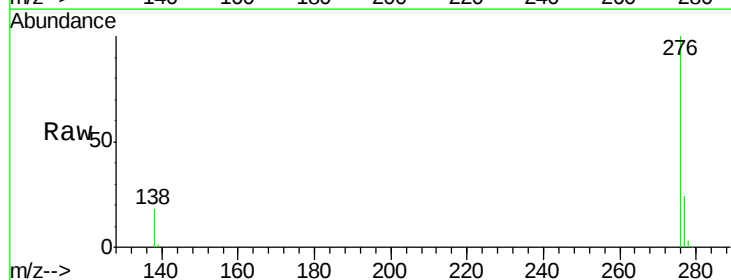
Tgt Ion:276 Resp: 1080987

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 17.7 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

