

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089814.D
 Acq On : 24 Mar 2015 14:07
 Operator : TP/JJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Mar 24 18:25:28 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	139944	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	594022	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	311609	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	522519	5.00	ng	0.00
19) Chrysene-d12	24.26	240	403320	5.00	ng	0.00
25) Perylene-d12	27.41	264	331224	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	22764	0.77	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	55157	0.76	ng	0.00
21) Terphenyl-d14	21.86	244	46022	0.77	ng	0.00

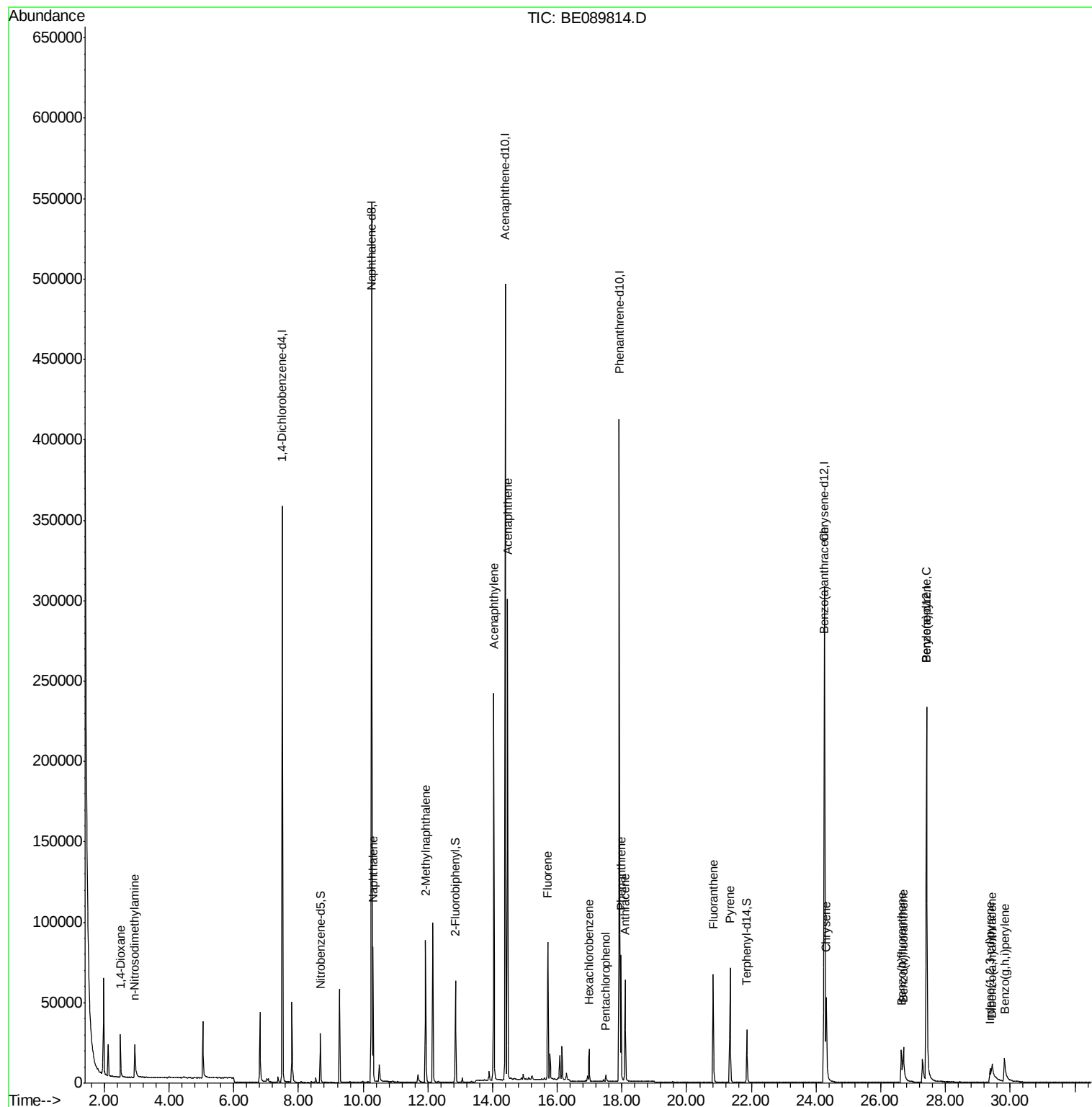
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.49	88	15054	0.83	ng	93
3) n-Nitrosodimethylamine	2.93	42	19660	0.74	ng	# 82
6) Naphthalene	10.31	128	92852	0.79	ng	95
7) 2-Methylnaphthalene	11.93	142	53155	0.81	ng	98
10) Acenaphthylene	14.04	152	337886	0.76	ng	98
11) Acenaphthene	14.46	154	51833	0.76	ng	87
12) Fluorene	15.70	166	62584	0.76	ng	95
14) Hexachlorobenzene	16.98	284	13272	0.76	ng	98
15) Pentachlorophenol	17.50	266	3485	0.70	ng	94
16) Phenanthrene	17.97	178	86362	0.75	ng	100
17) Anthracene	18.10	178	75997	0.74	ng	99
18) Fluoranthene	20.82	202	75916	0.73	ng	98
20) Pyrene	21.34	202	78094	0.76	ng	98
22) Benzo(a)anthracene	24.24	228	54120	0.72	ng	97
23) Chrysene	24.32	228	63325	0.77	ng	99
24) Indeno(1,2,3-cd)pyrene	29.38	276	15774	0.60	ng	# 68
26) Benzo(b)fluoranthene	26.64	252	33202	0.76	ng	97
27) Benzo(k)fluoranthene	26.70	252	51826	0.76	ng	# 93
28) Benzo(a)pyrene	27.40	252	6381	0.39	ng	98
29) Dibenzo(a,h)anthracene	29.44	278	19719	0.71	ng	# 78
30) Benzo(g,h,i)perylene	29.83	276	37741	0.78	ng	# 87

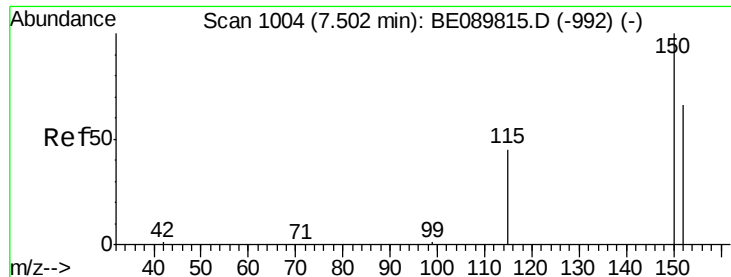
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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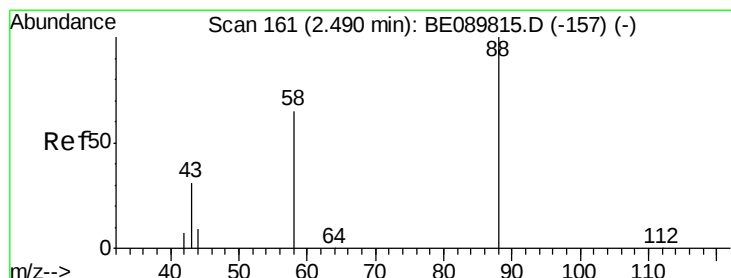
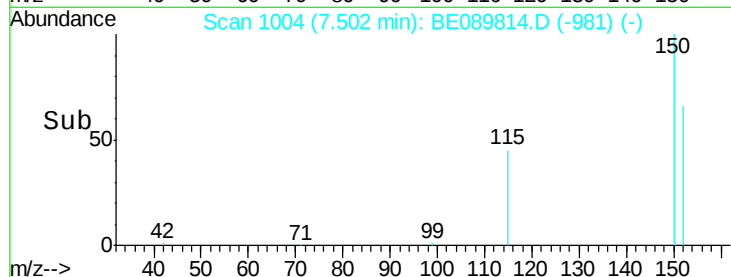
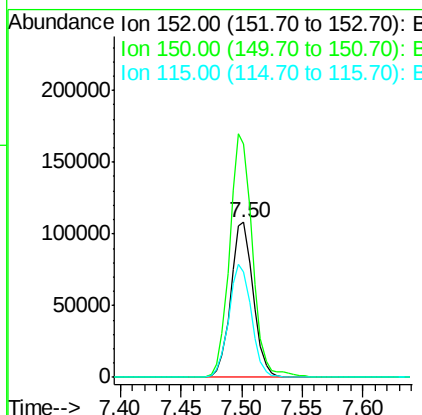
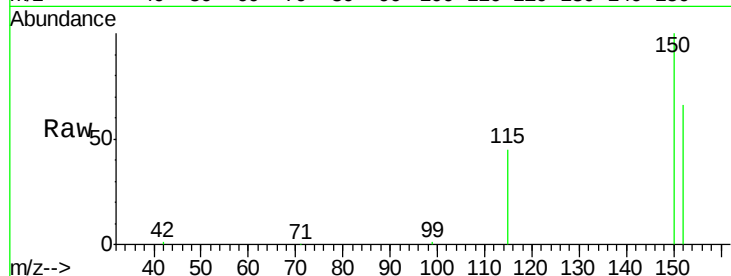




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

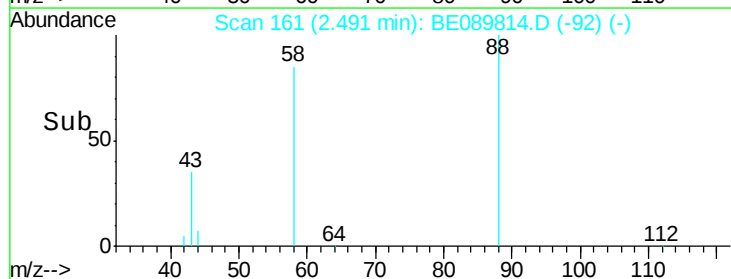
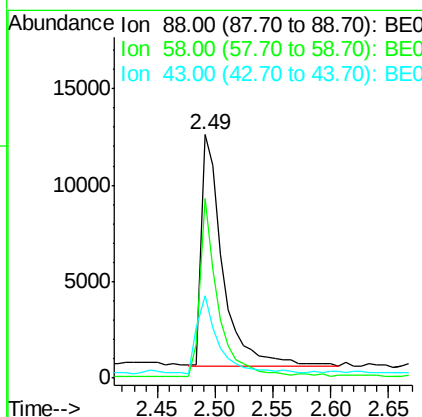
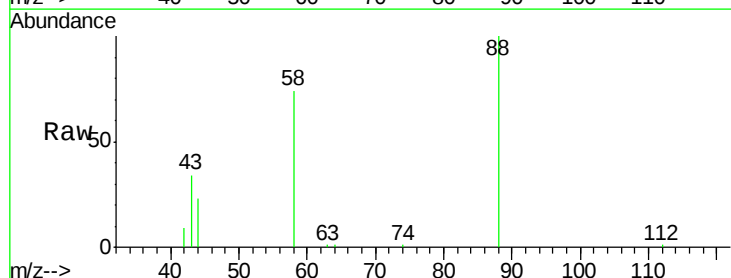
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

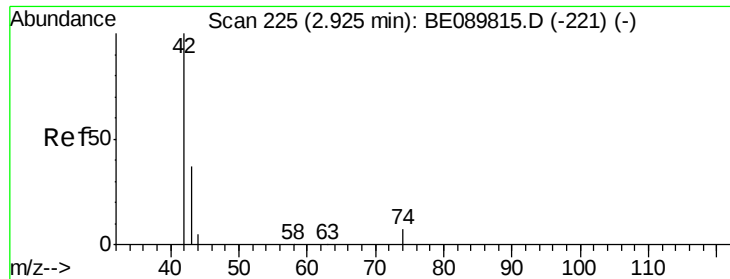
Tgt Ion:152 Resp: 139944
 Ion Ratio Lower Upper
 152 100
 150 150.9 125.5 188.3
 115 67.8 58.0 87.0



#2
 1,4-Dioxane
 Concen: 0.83 ng
 RT: 2.49 min Scan# 161
 Delta R.T. -0.03 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Tgt Ion: 88 Resp: 15054
 Ion Ratio Lower Upper
 88 100
 58 66.4 48.6 72.8
 43 32.3 28.6 43.0





#3

n-Nitrosodimethylamine

Concen: 0.74 ng

RT: 2.93 min Scan# 226

Delta R.T. -0.06 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

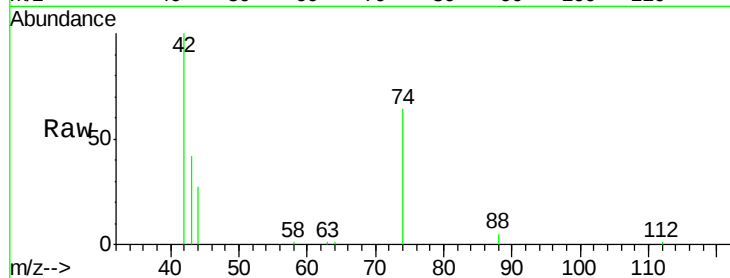
Tgt Ion: 42 Resp: 19660

Ion Ratio Lower Upper

42 100

74 103.0 68.7 103.1

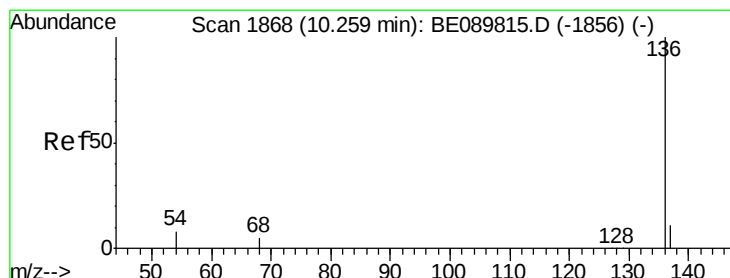
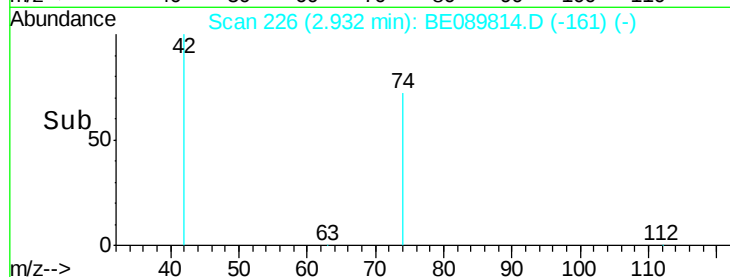
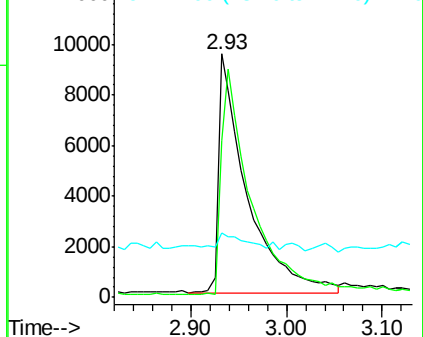
44 5.5 6.2 9.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

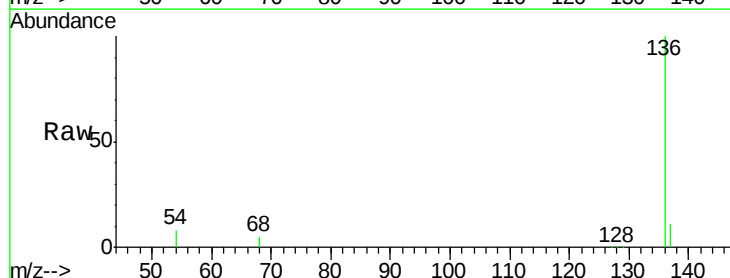
Tgt Ion: 136 Resp: 594022

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

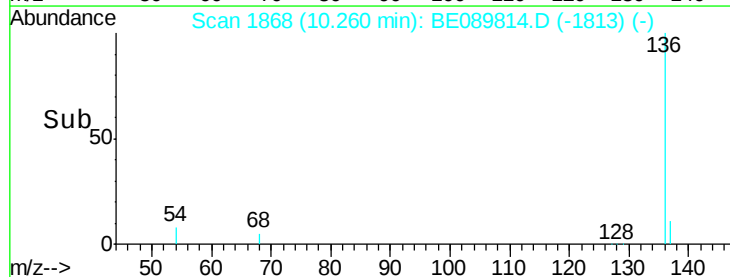
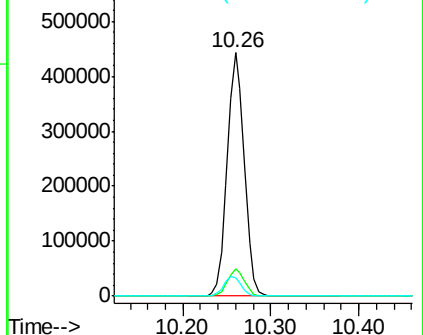
54 7.7 7.0 10.4

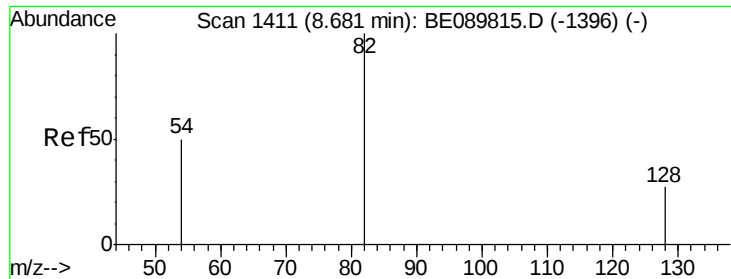


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.77 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

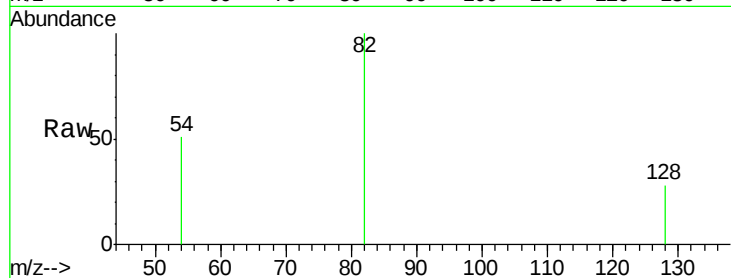
Tgt Ion: 82 Resp: 22764

Ion Ratio Lower Upper

82 100

128 28.1 24.6 37.0

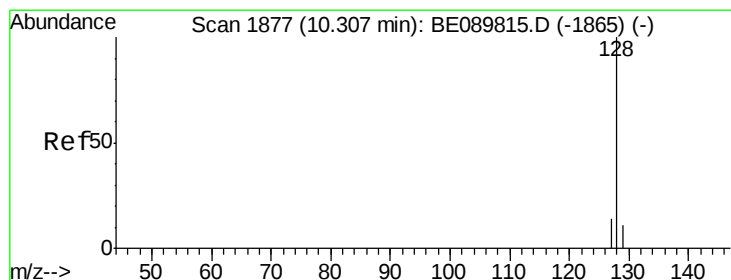
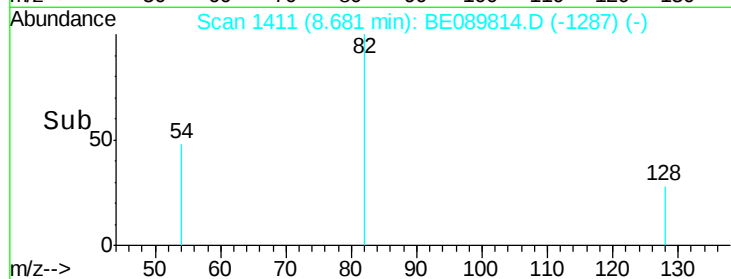
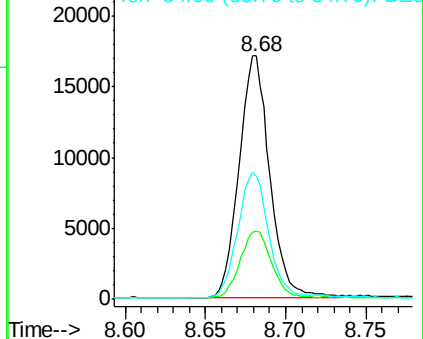
54 50.6 43.0 64.6



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: 0.79 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

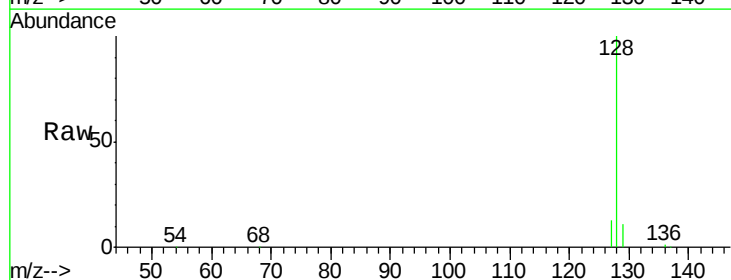
Tgt Ion: 128 Resp: 92852

Ion Ratio Lower Upper

128 100

129 10.9 10.0 15.0

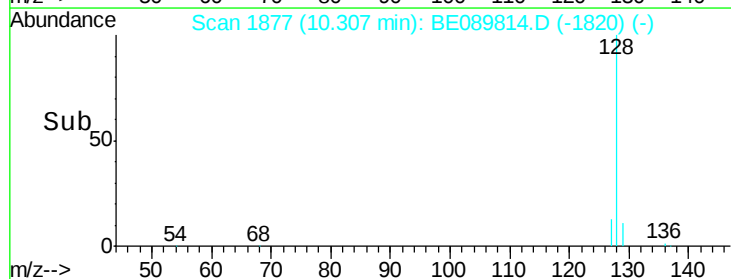
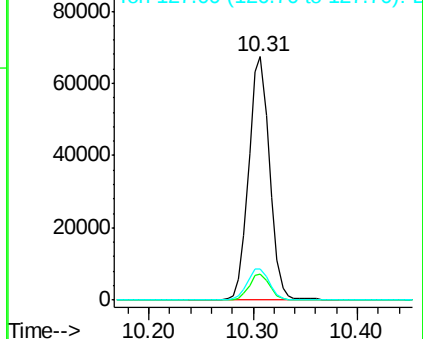
127 12.9 12.5 18.7

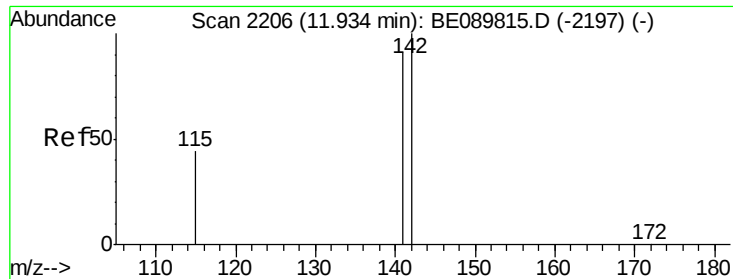


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.81 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

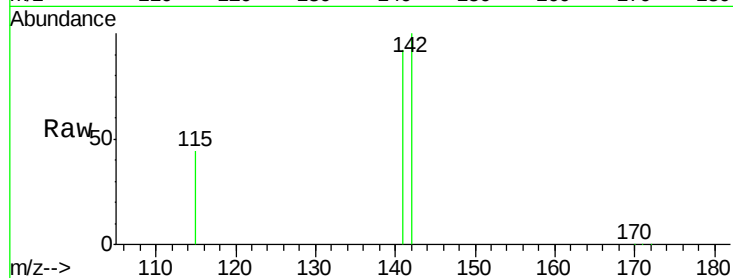
Tgt Ion:142 Resp: 53155

Ion Ratio Lower Upper

142 100

141 92.0 72.8 109.2

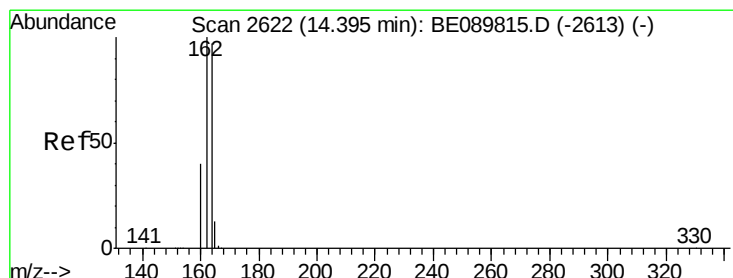
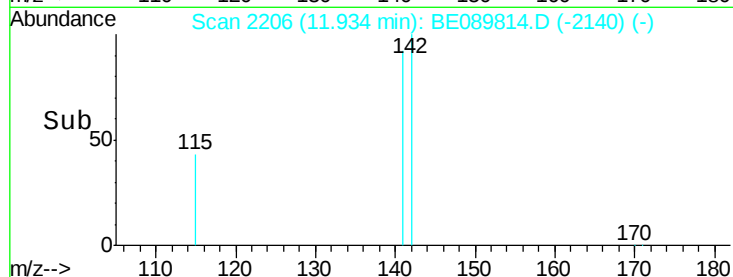
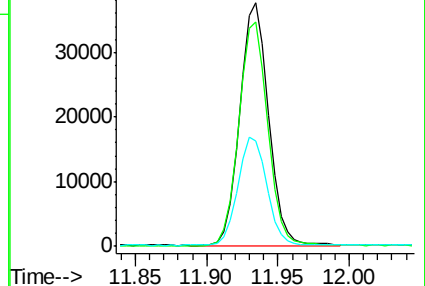
115 43.5 32.9 49.3



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: BE089814.D

Acq: 24 Mar 2015 14:07

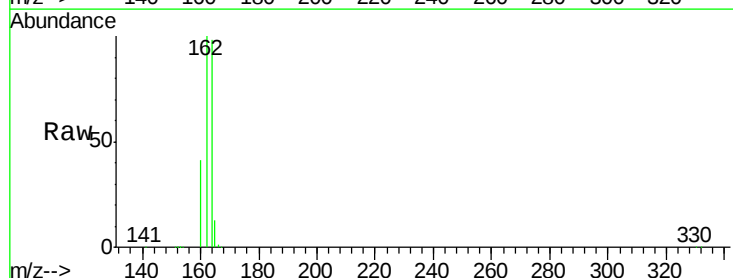
Tgt Ion:164 Resp: 311609

Ion Ratio Lower Upper

164 100

162 101.8 87.6 131.4

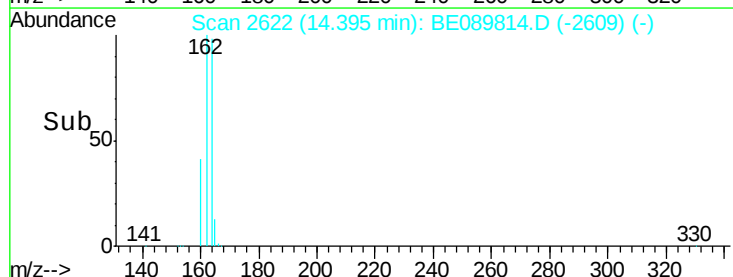
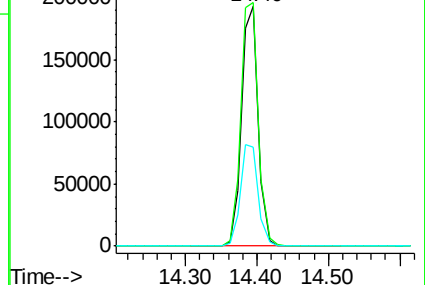
160 41.3 36.7 55.1

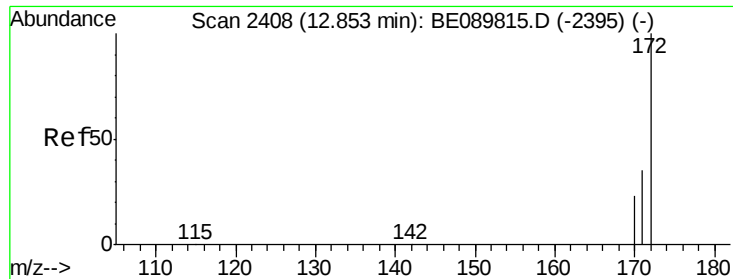


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

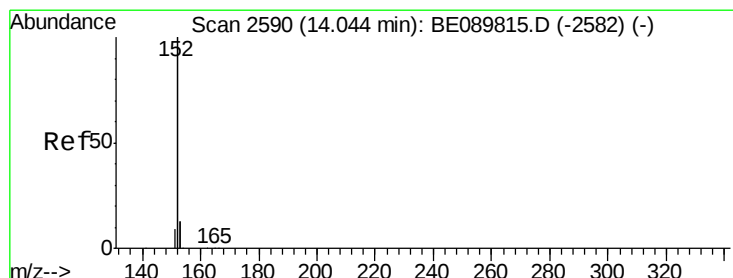
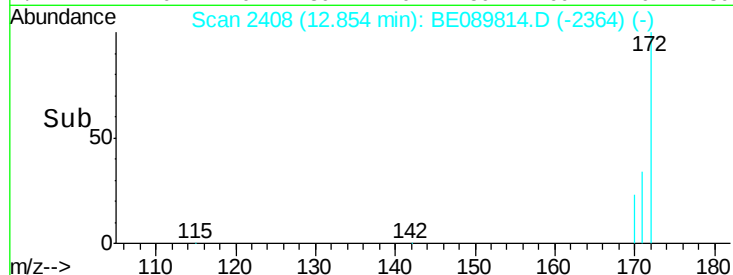
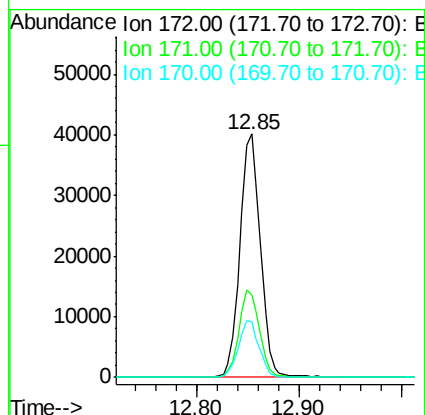
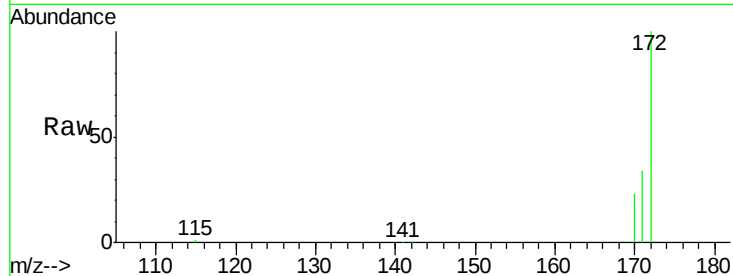




#9
 2-Fluorobiphenyl
 Concen: 0.76 ng
 RT: 12.85 min Scan# 2408
 Delta R.T. 0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

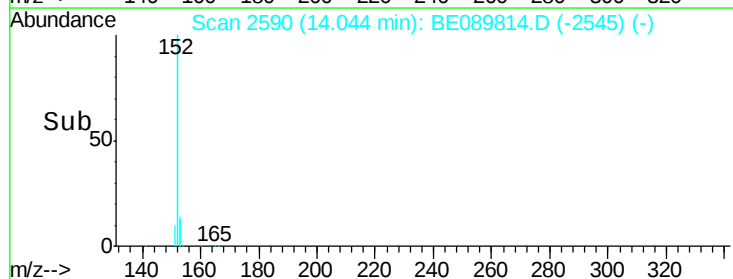
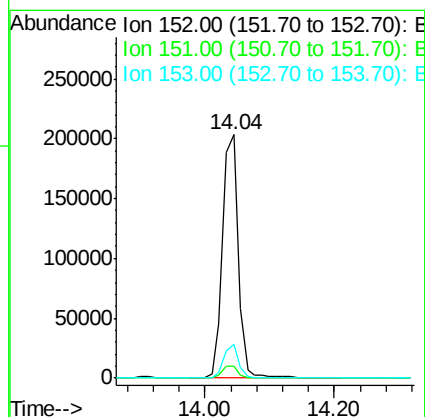
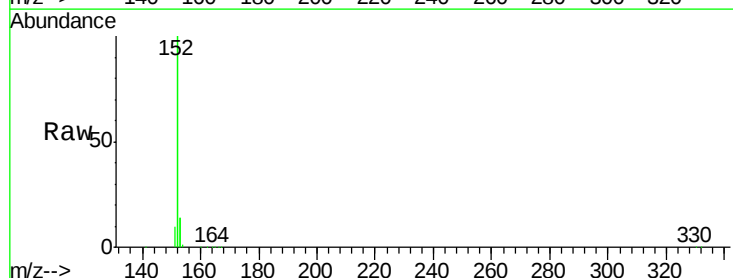
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

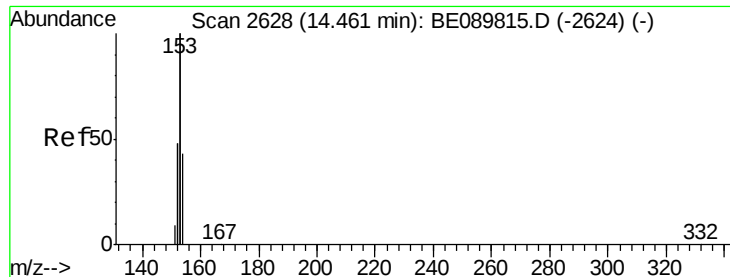
Tgt Ion:172 Resp: 55157
 Ion Ratio Lower Upper
 172 100
 171 34.0 30.8 46.2
 170 22.8 21.0 31.4



#10
 Acenaphthylene
 Concen: 0.76 ng
 RT: 14.04 min Scan# 2590
 Delta R.T. -0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Tgt Ion:152 Resp: 337886
 Ion Ratio Lower Upper
 152 100
 151 5.0 3.9 5.9
 153 12.8 11.0 16.4





#11

Acenaphthene

Concen: 0.76 ng

RT: 14.46 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

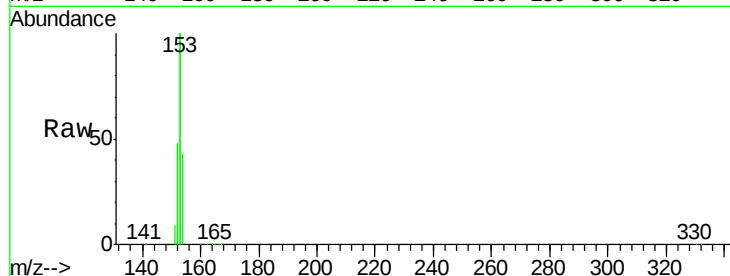
Tgt Ion:154 Resp: 51833

Ion Ratio Lower Upper

154 100

153 463.7 401.5 602.3

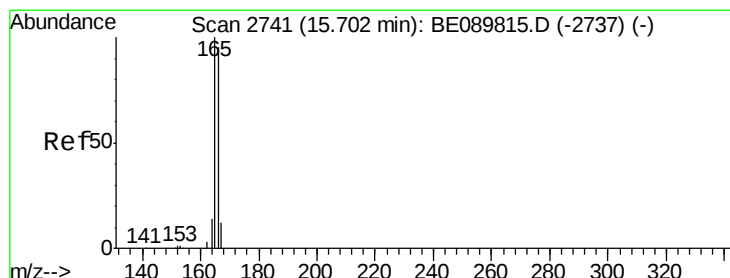
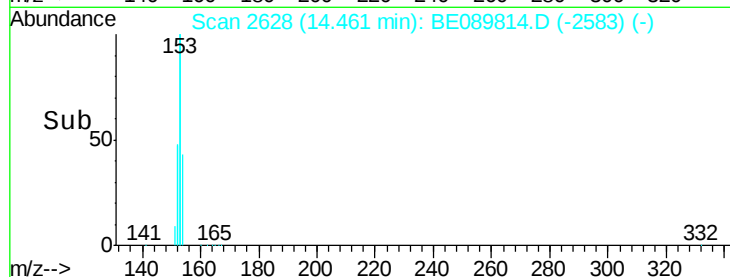
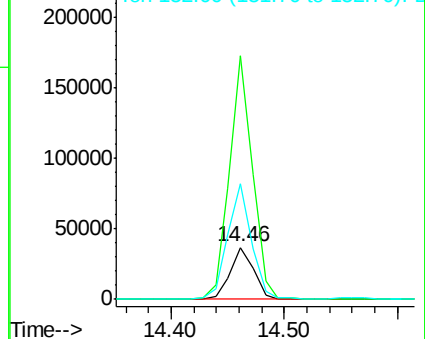
152 226.0 198.6 298.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.76 ng

RT: 15.70 min Scan# 2741

Delta R.T. -0.01 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

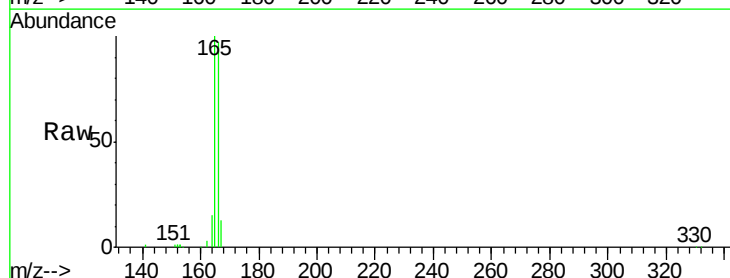
Tgt Ion:166 Resp: 62584

Ion Ratio Lower Upper

166 100

165 101.8 85.1 127.7

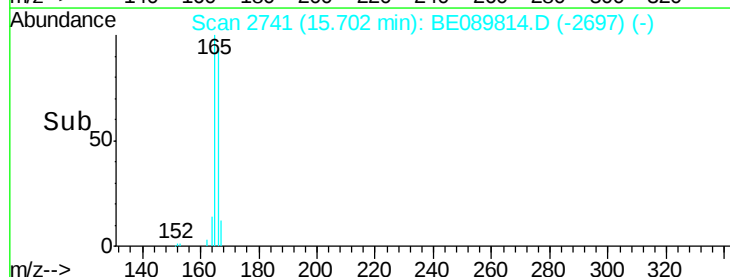
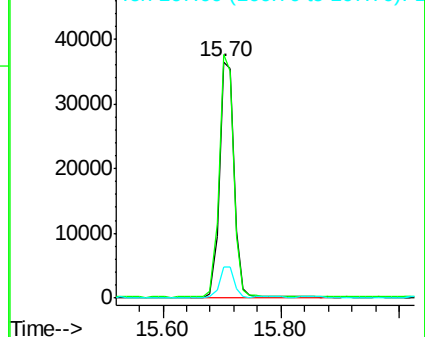
167 13.3 12.2 18.4

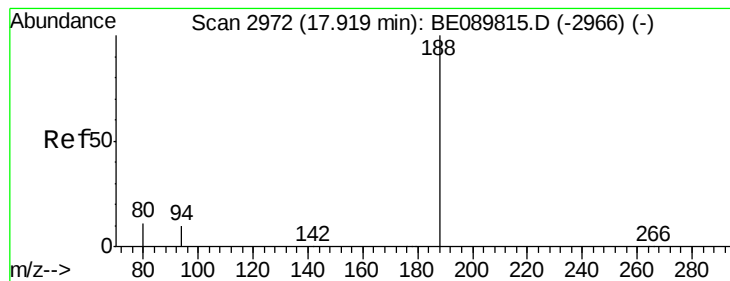


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.92 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

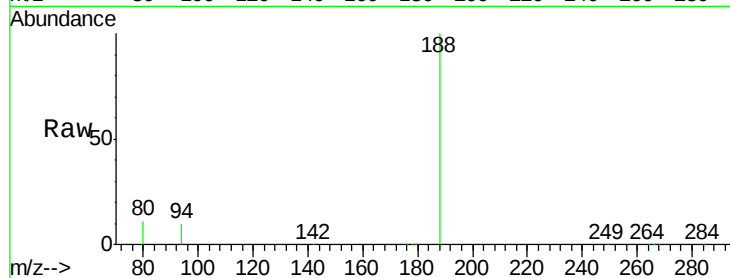
Tgt Ion:188 Resp: 522519

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

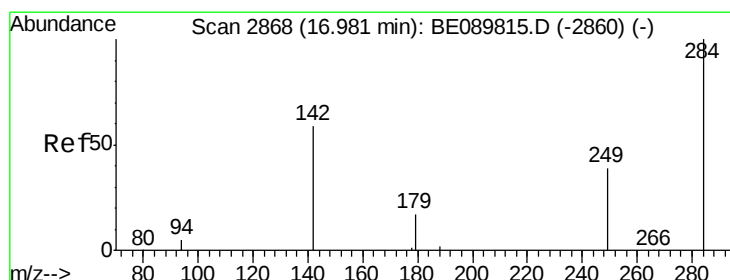
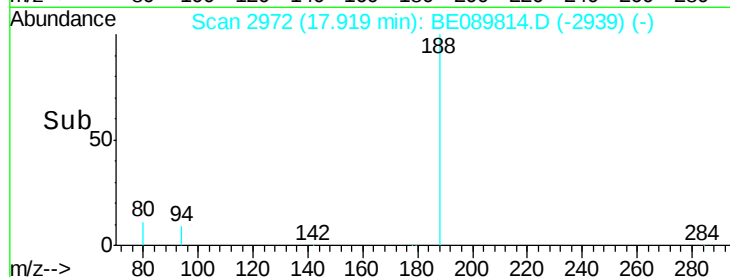
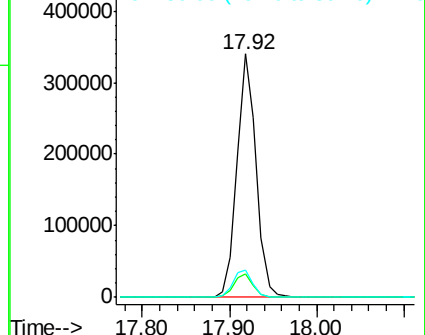
80 11.3 10.0 15.0



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: 0.76 ng

RT: 16.98 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

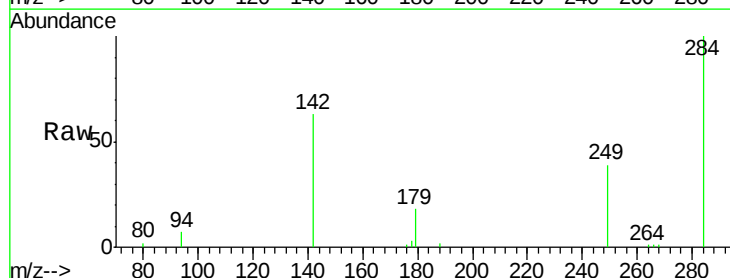
Tgt Ion:284 Resp: 13272

Ion Ratio Lower Upper

284 100

142 65.2 53.3 79.9

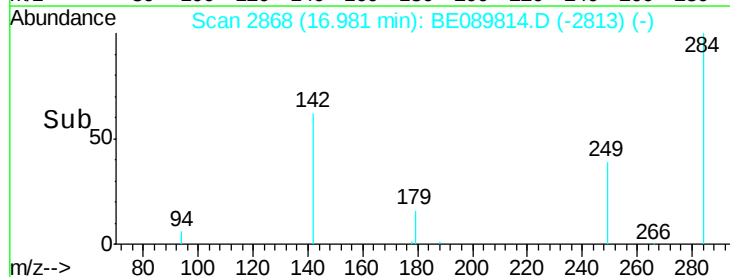
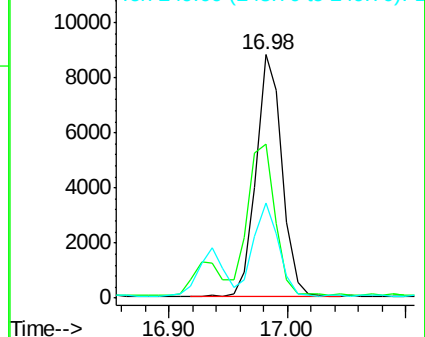
249 37.7 31.1 46.7

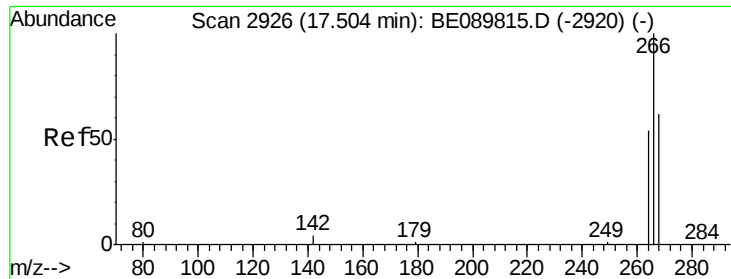


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

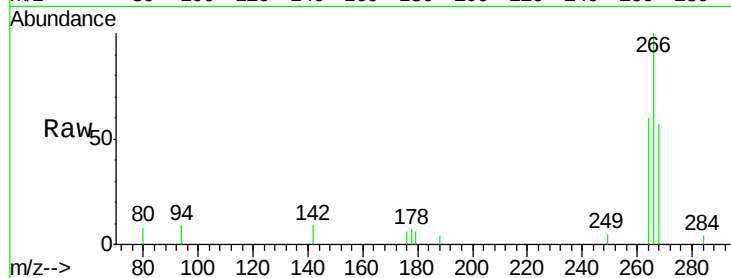




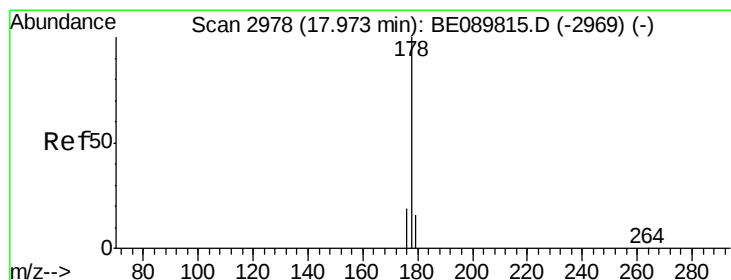
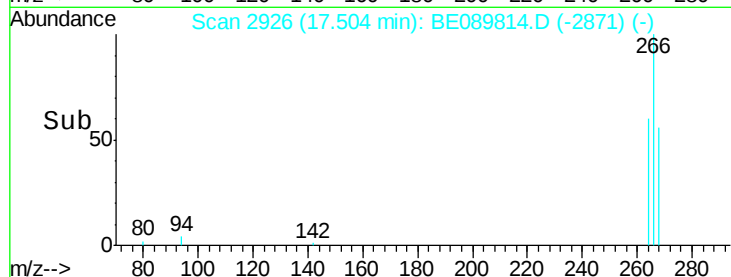
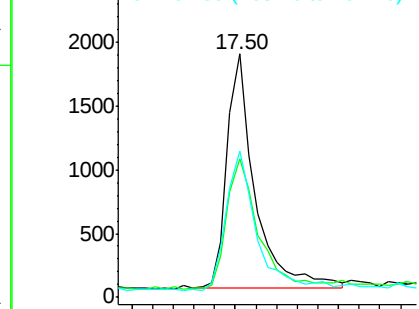
#15
 Pentachlorophenol
 Concen: 0.70 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. 0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion: 266 Resp: 3485
 Ion Ratio Lower Upper
 266 100
 268 57.0 51.6 77.4
 264 60.1 50.2 75.2

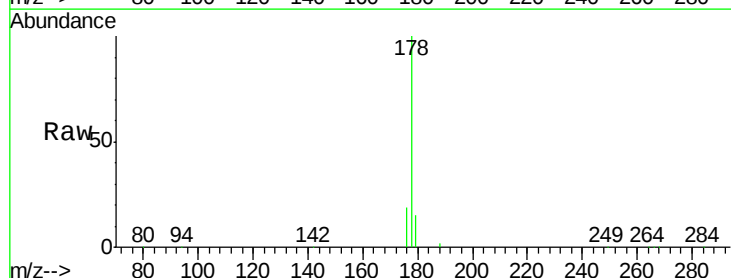


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

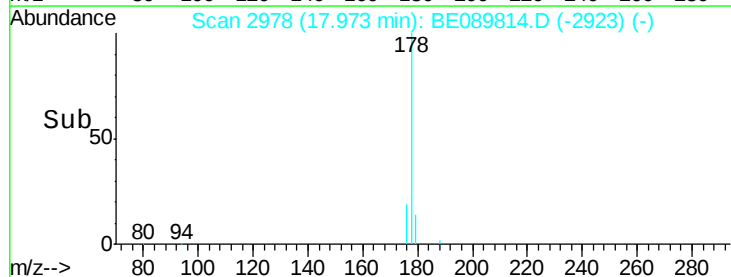
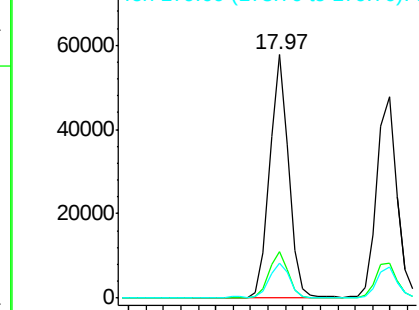


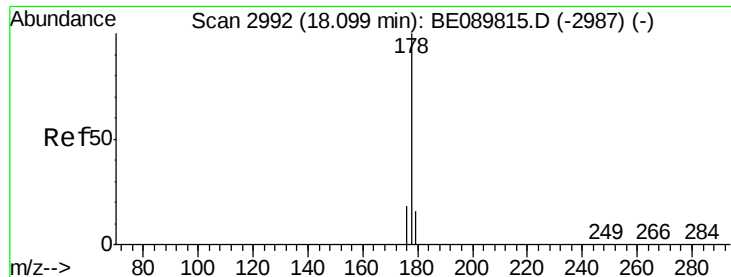
#16
 Phenanthrene
 Concen: 0.75 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Tgt Ion: 178 Resp: 86362
 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: 0.74 ng

RT: 18.10 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

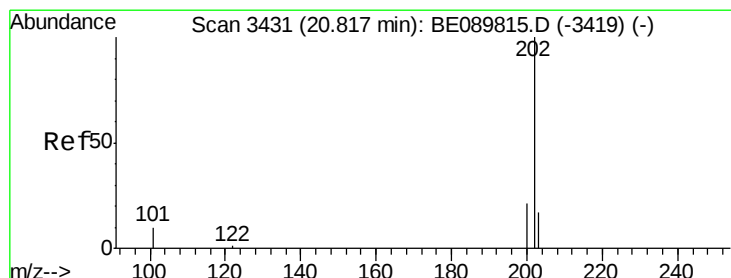
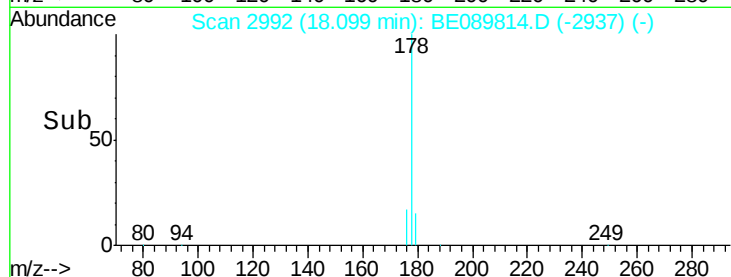
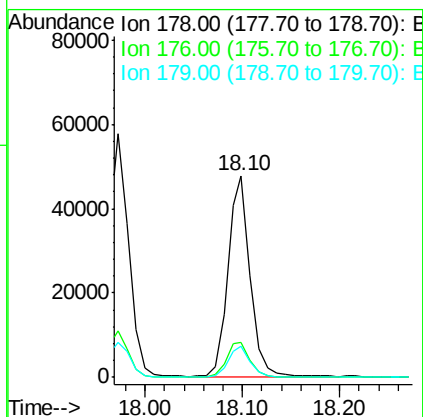
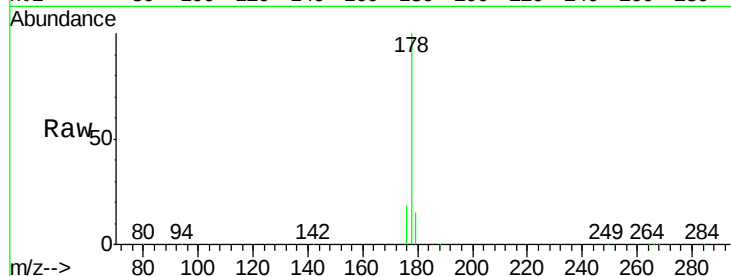
Tgt Ion:178 Resp: 75997

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

179 15.3 12.1 18.1



#18

Fluoranthene

Concen: 0.73 ng

RT: 20.82 min Scan# 3432

Delta R.T. 0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

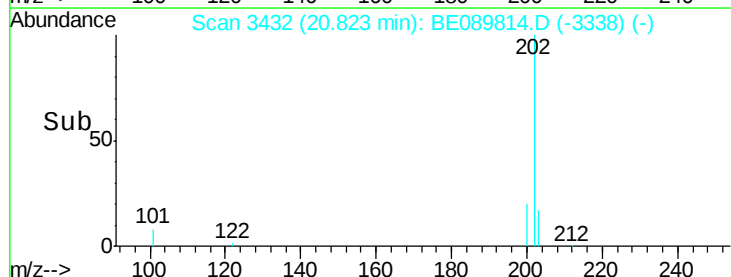
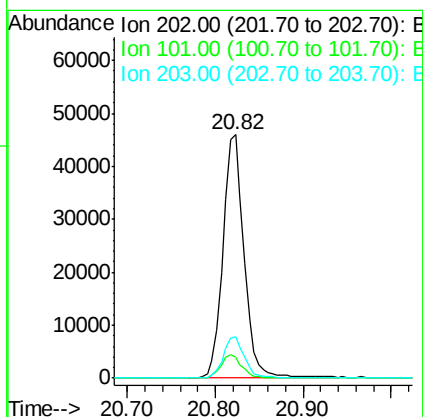
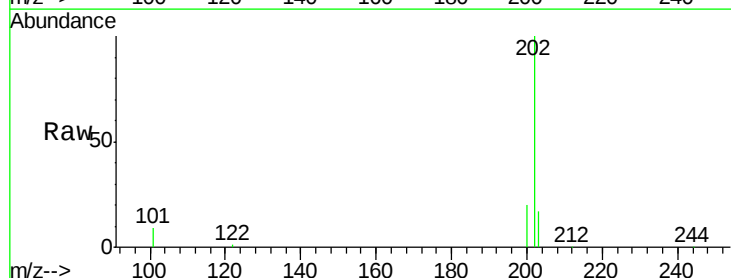
Tgt Ion:202 Resp: 75916

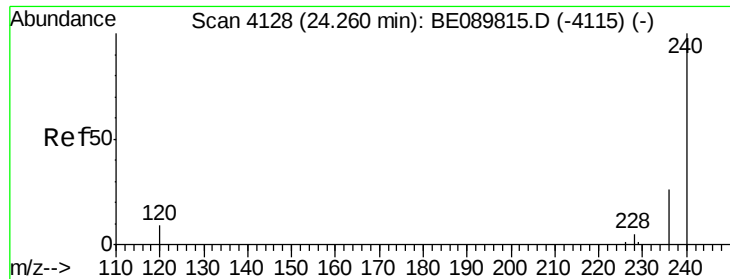
Ion Ratio Lower Upper

202 100

101 9.2 8.2 12.2

203 16.8 14.2 21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

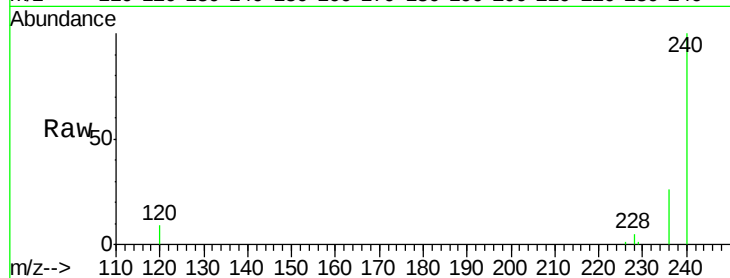
Tgt Ion:240 Resp: 403320

Ion Ratio Lower Upper

240 100

120 8.8 7.5 11.3

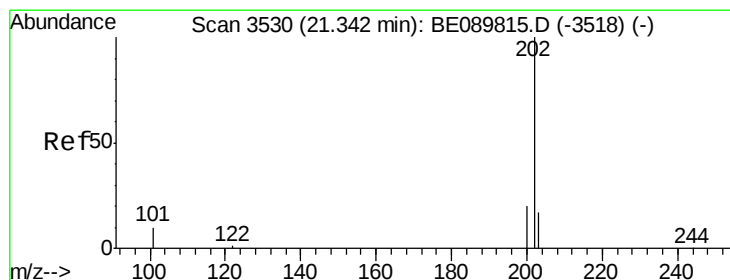
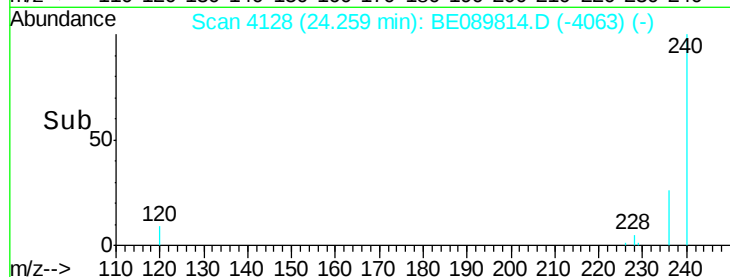
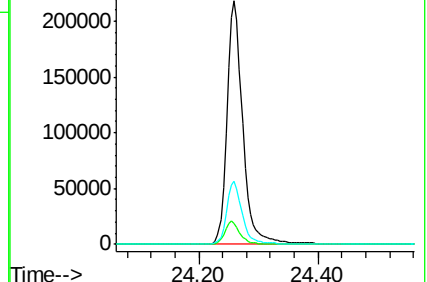
236 26.0 20.5 30.7



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: 0.76 ng

RT: 21.34 min Scan# 3530

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

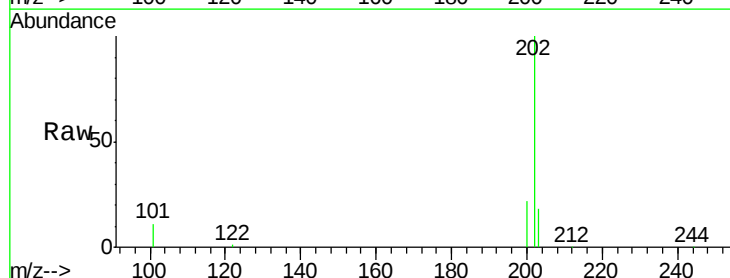
Tgt Ion:202 Resp: 78094

Ion Ratio Lower Upper

202 100

200 21.0 15.9 23.9

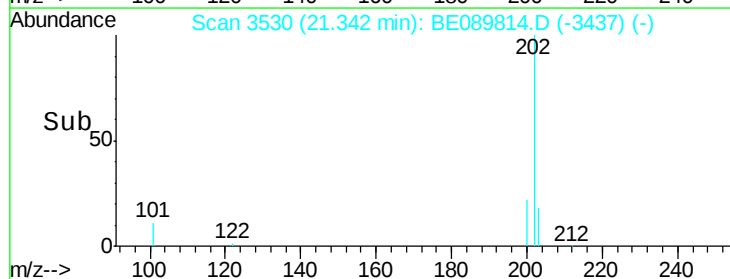
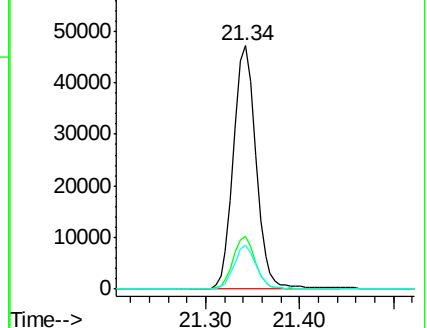
203 17.4 13.6 20.4

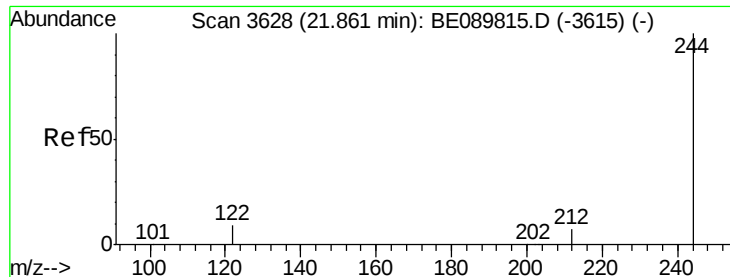


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.77 ng

RT: 21.86 min Scan# 3628

Delta R.T. 0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

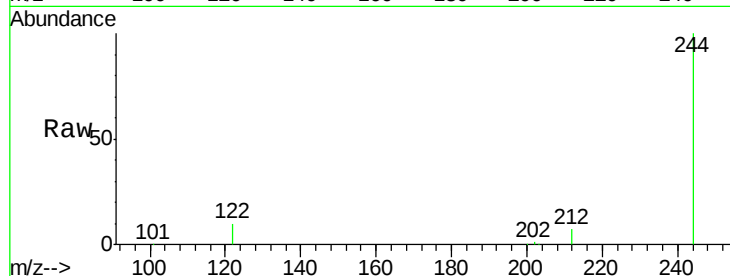
Tgt Ion:244 Resp: 46022

Ion Ratio Lower Upper

244 100

212 6.9 7.3 10.9#

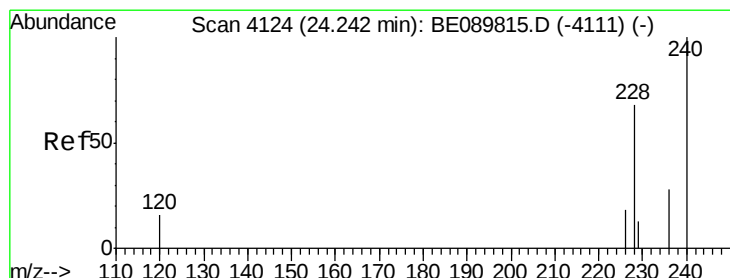
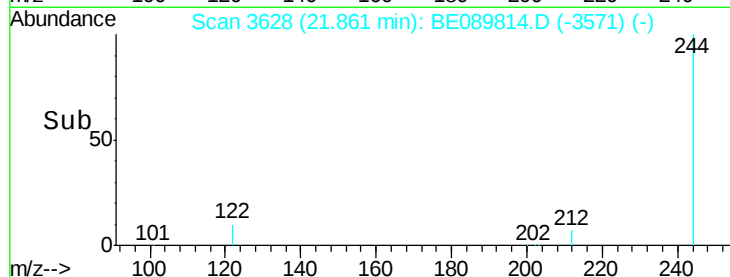
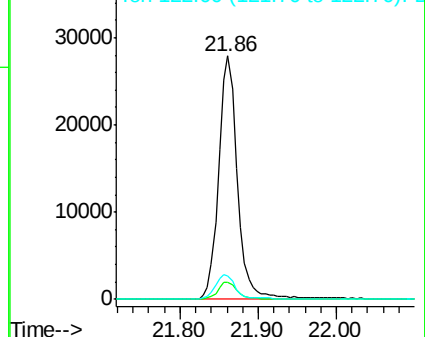
122 9.9 10.5 15.7#



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: 0.72 ng

RT: 24.24 min Scan# 4124

Delta R.T. -0.01 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

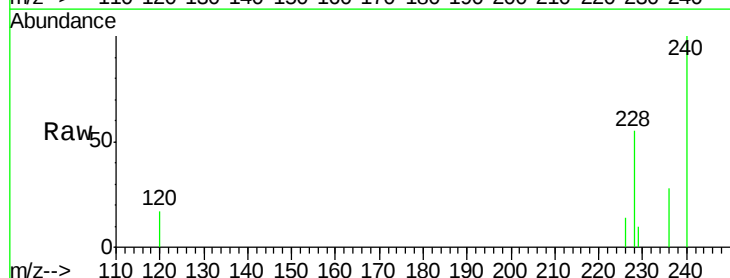
Tgt Ion:228 Resp: 54120

Ion Ratio Lower Upper

228 100

226 26.0 19.8 29.8

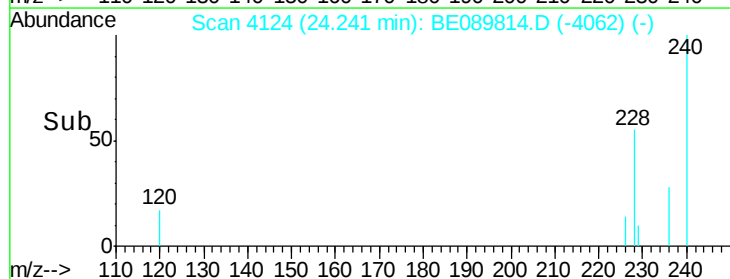
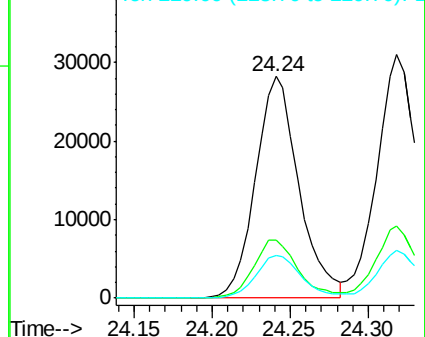
229 19.1 16.3 24.5

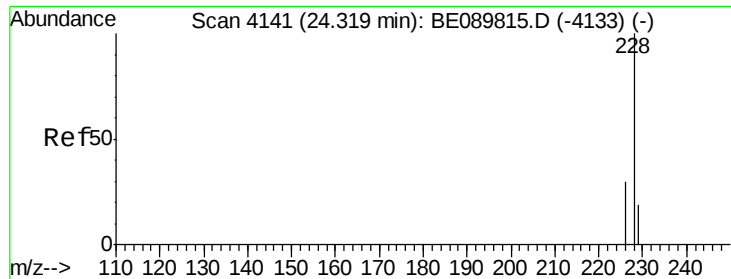


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.77 ng

RT: 24.32 min Scan# 4141

Delta R.T. 0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

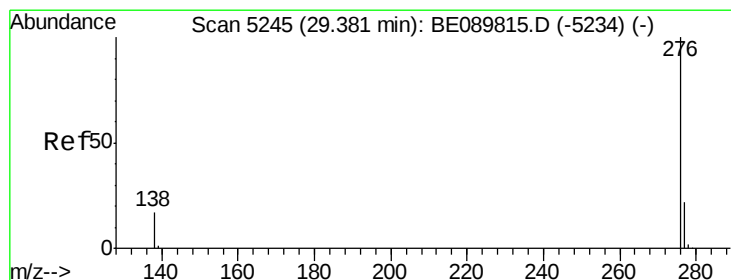
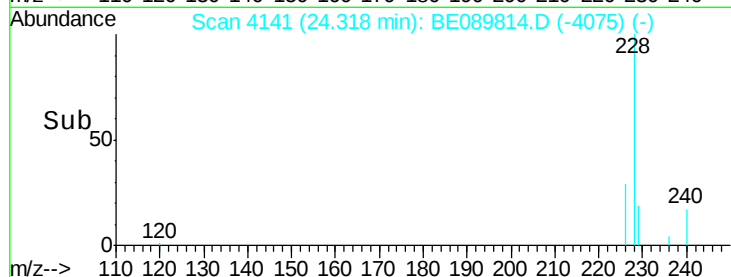
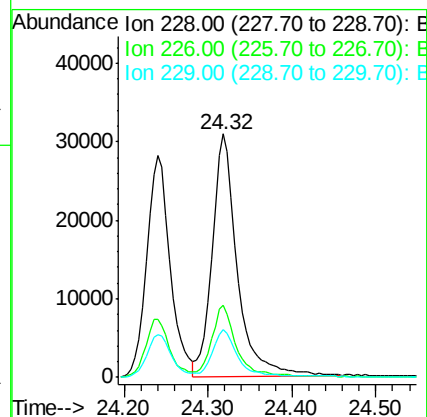
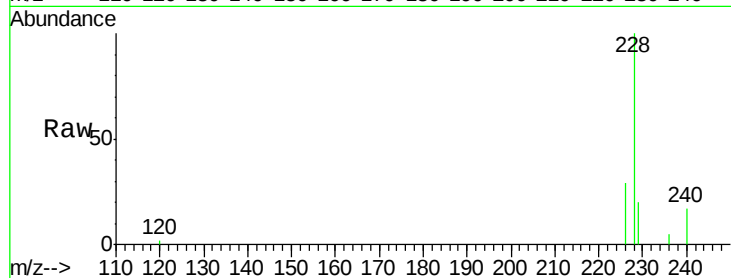
Tgt Ion:228 Resp: 63325

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.4

229 19.6 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.60 ng

RT: 29.38 min Scan# 5245

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

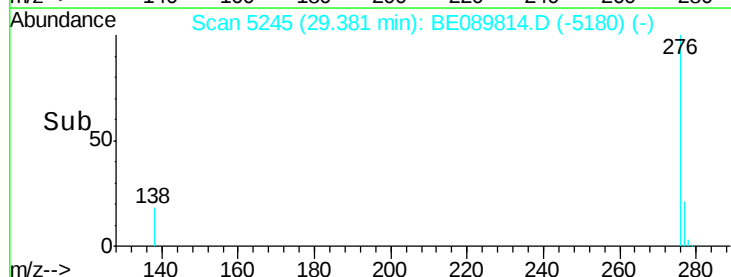
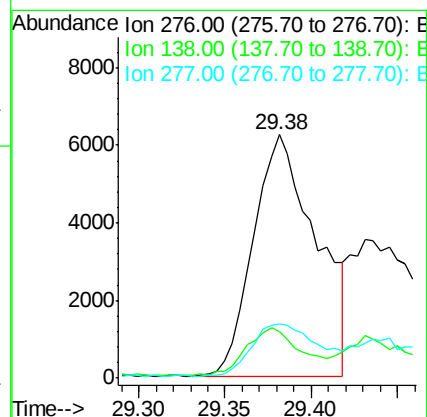
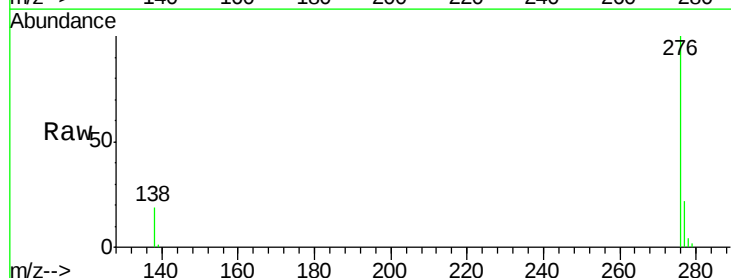
Tgt Ion:276 Resp: 15774

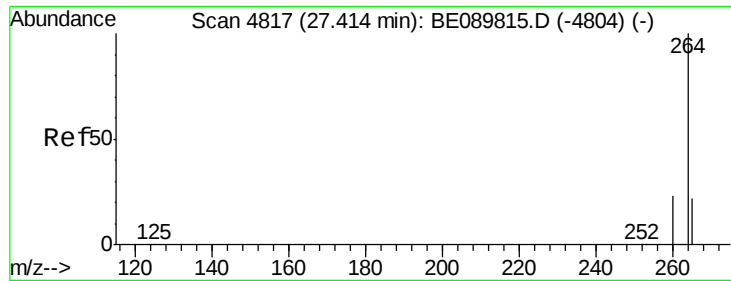
Ion Ratio Lower Upper

276 100

138 17.1 4.3 6.5#

277 23.1 9.0 13.4#

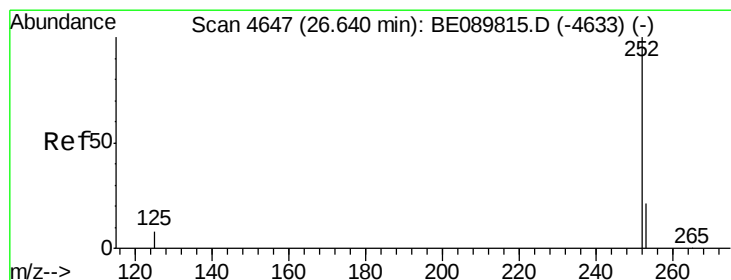
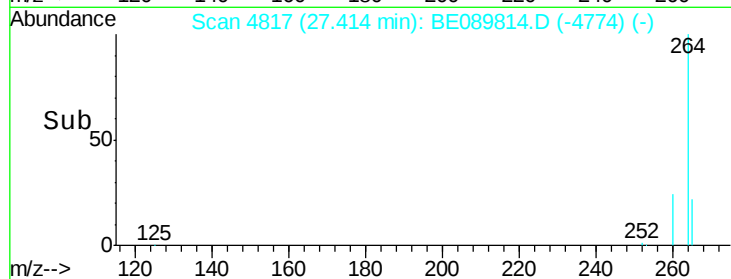
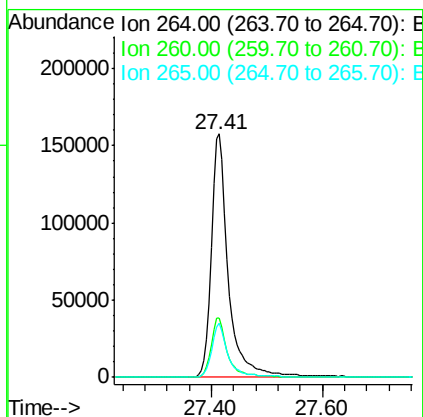
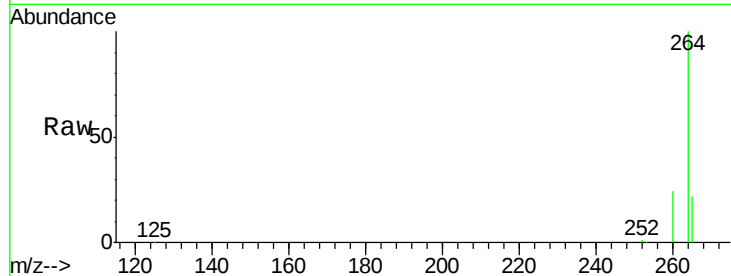




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4817
 Delta R.T. -0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

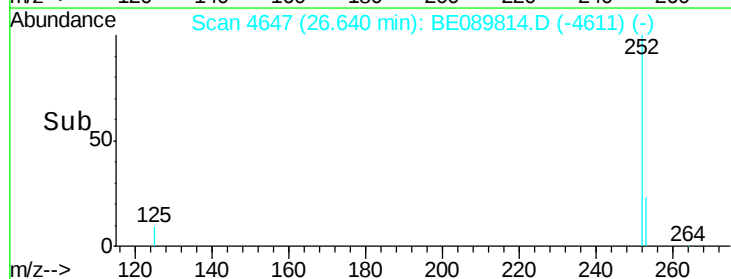
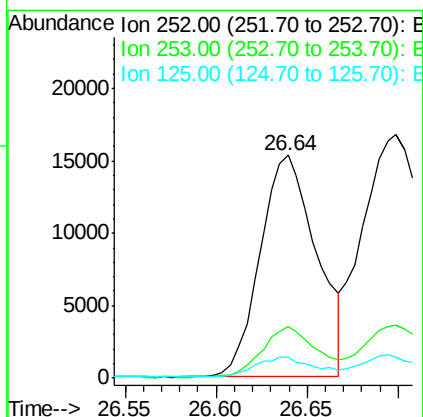
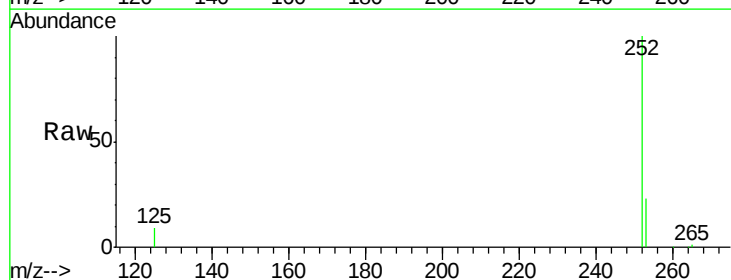
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

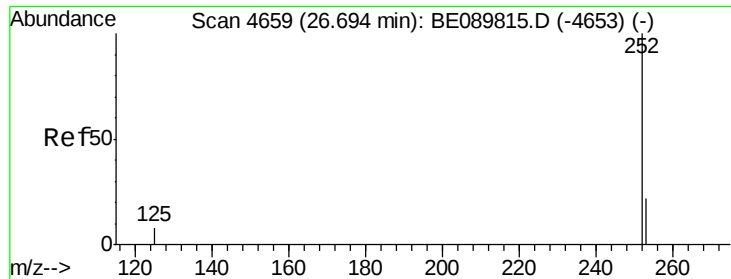
Tgt Ion: 264 Resp: 331224
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.2 27.2
 265 22.0 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 0.76 ng
 RT: 26.64 min Scan# 4647
 Delta R.T. 0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Tgt Ion: 252 Resp: 33202
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.6
 125 9.2 8.7 13.1





#27

Benzo(k)fluoranthene

Concen: 0.76 ng

RT: 26.70 min Scan# 4660

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

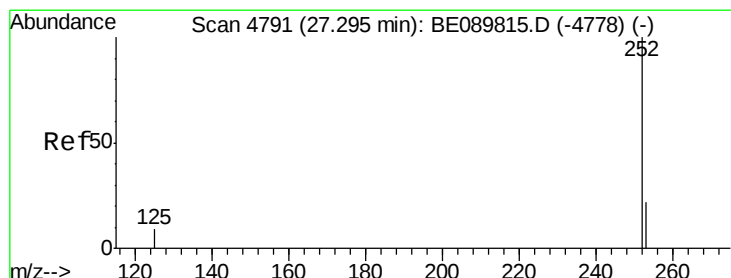
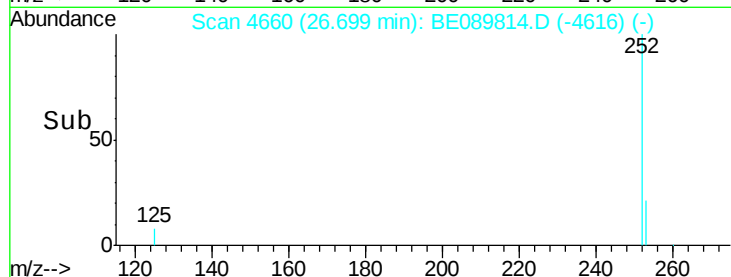
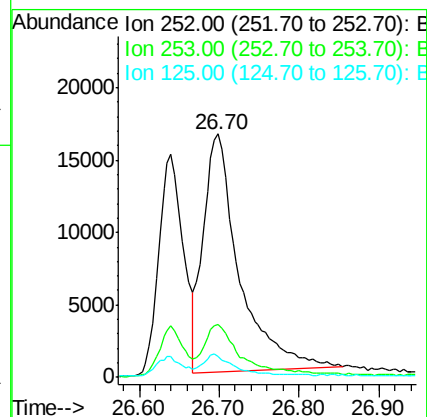
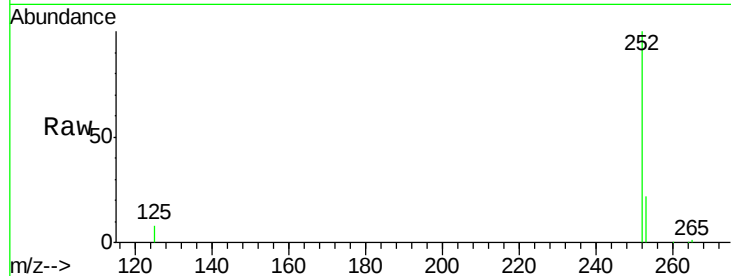
Tgt Ion:252 Resp: 51826

Ion Ratio Lower Upper

252 100

253 21.8 18.6 28.0

125 8.5 10.8 16.2#



#28

Benzo(a)pyrene

Concen: 0.39 ng

RT: 27.40 min Scan# 4815

Delta R.T. 0.10 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

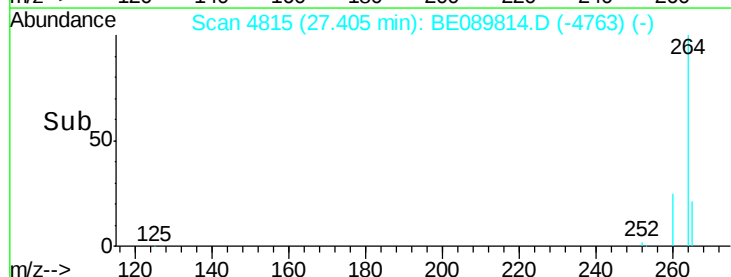
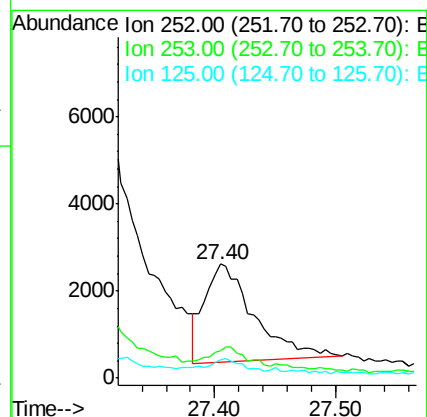
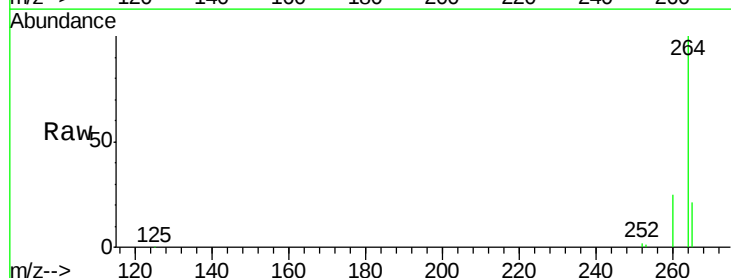
Tgt Ion:252 Resp: 6381

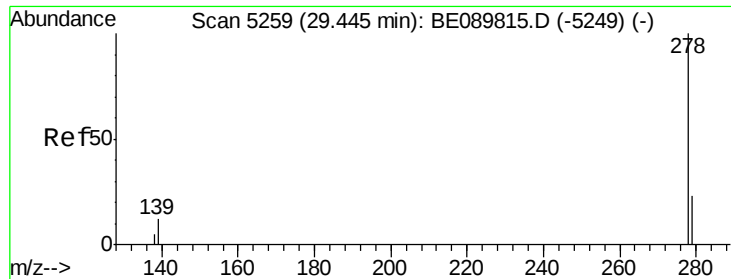
Ion Ratio Lower Upper

252 100

253 24.4 21.0 31.4

125 16.5 13.3 19.9





#29

Dibenzo(a,h)anthracene

Concen: 0.71 ng

RT: 29.44 min Scan# 5258

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

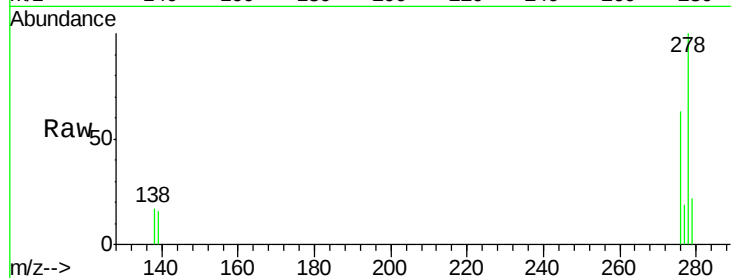
Tgt Ion:278 Resp: 19719

Ion Ratio Lower Upper

278 100

139 16.3 20.0 30.0#

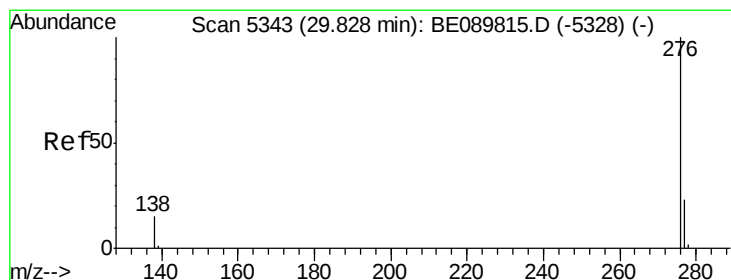
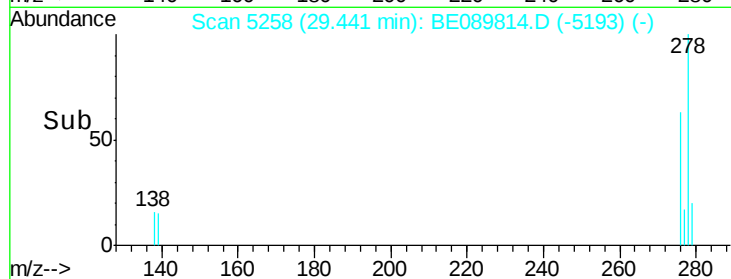
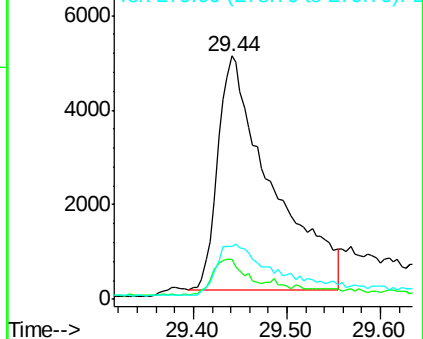
279 21.7 28.9 43.3#



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: 0.78 ng

RT: 29.83 min Scan# 5343

Delta R.T. 0.01 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

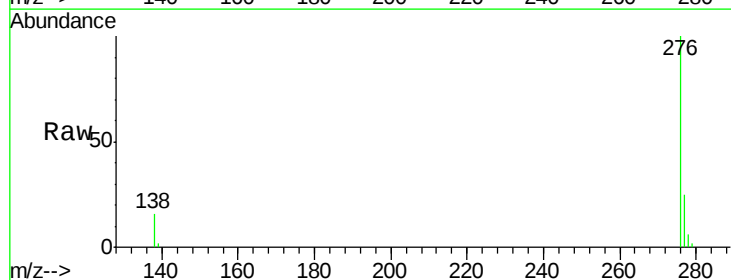
Tgt Ion:276 Resp: 37741

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 16.4 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

