

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089817.D
 Acq On : 24 Mar 2015 16:10
 Operator : TP/JJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Quant Time: Mar 24 18:26:16 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	175256	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	726077	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	330849	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	566052	5.00	ng	0.00
19) Chrysene-d12	24.26	240	555393	5.00	ng	0.00
25) Perylene-d12	27.41	264	494689	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	254361	4.91	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	406515	5.25	ng	0.00
21) Terphenyl-d14	21.86	244	399756	4.88	ng	0.00

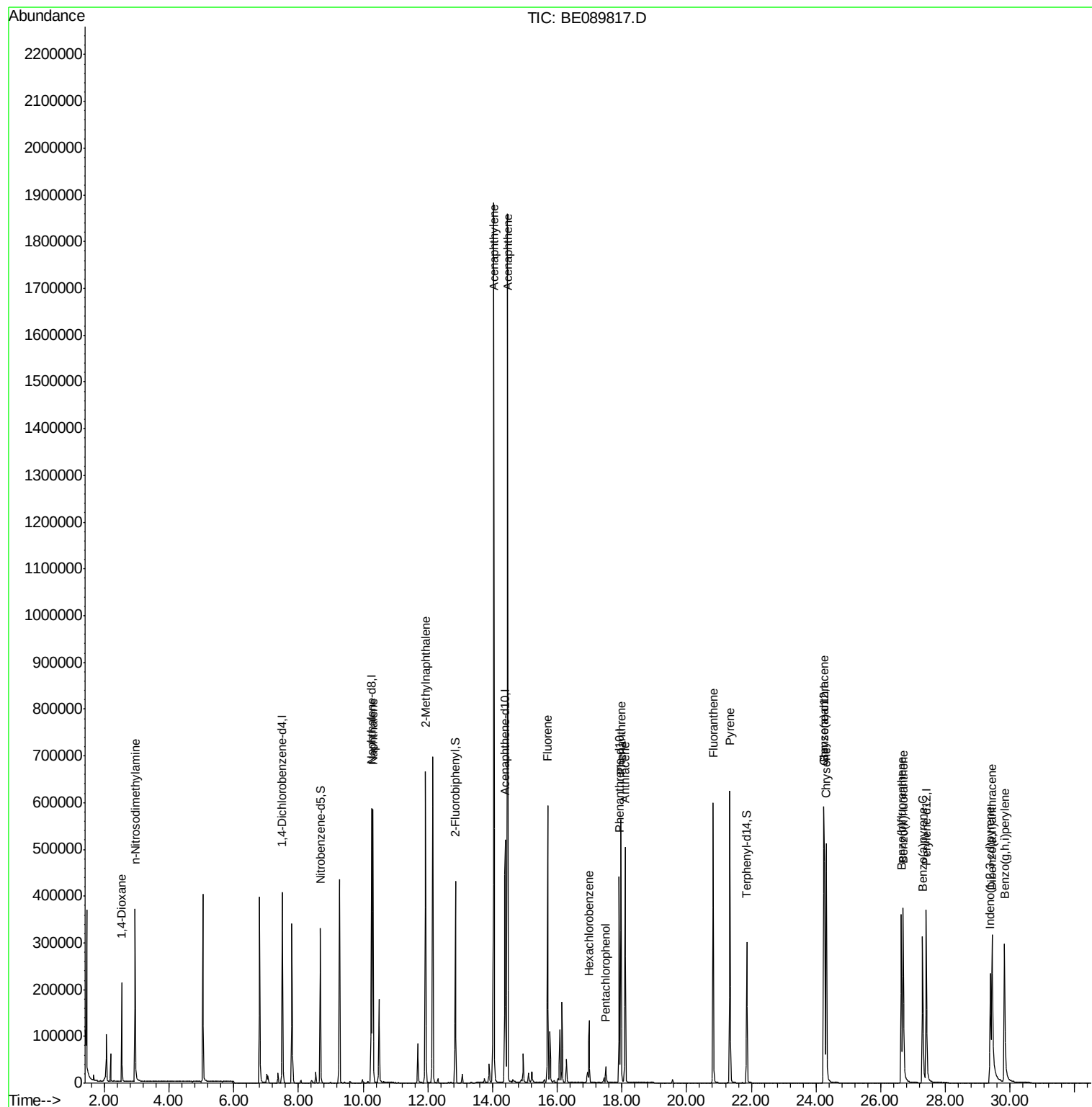
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.54	88	108913	4.84	ng	90
3) n-Nitrosodimethylamine	2.95	42	186909	5.60	ng	# 89
6) Naphthalene	10.31	128	692874	4.83	ng	96
7) 2-Methylnaphthalene	11.93	142	429751	5.39	ng	97
10) Acenaphthylene	14.04	152	2533349	5.35	ng	99
11) Acenaphthene	14.46	154	364195	5.03	ng	85
12) Fluorene	15.71	166	449898	5.12	ng	94
14) Hexachlorobenzene	16.98	284	92914	4.94	ng	97
15) Pentachlorophenol	17.50	266	28725	5.13	ng	94
16) Phenanthrene	17.97	178	618496	4.97	ng	100
17) Anthracene	18.10	178	602404	5.42	ng	99
18) Fluoranthene	20.82	202	642520	5.73	ng	99
20) Pyrene	21.34	202	666212	4.73	ng	98
22) Benzo(a)anthracene	24.24	228	571264	5.50	ng	98
23) Chrysene	24.32	228	583821	5.15	ng	99
24) Indeno(1,2,3-cd)pyrene	29.38	276	337321	3.21	ng	# 67
26) Benzo(b)fluoranthene	26.64	252	495424	4.78	ng	# 98
27) Benzo(k)fluoranthene	26.70	252	618064	6.10	ng	# 93
28) Benzo(a)pyrene	27.30	252	470707	4.83	ng	# 89
29) Dibenzo(a,h)anthracene	29.44	278	421705	4.64	ng	# 77
30) Benzo(g,h,i)perylene	29.83	276	501536	4.91	ng	# 88

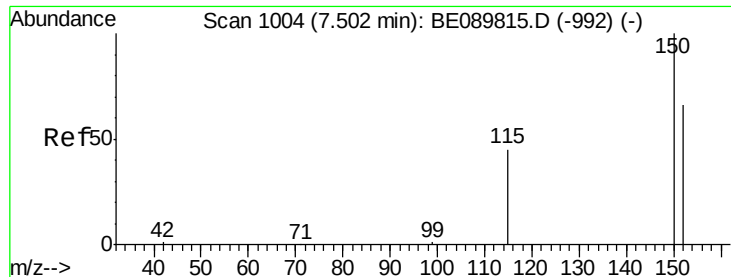
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

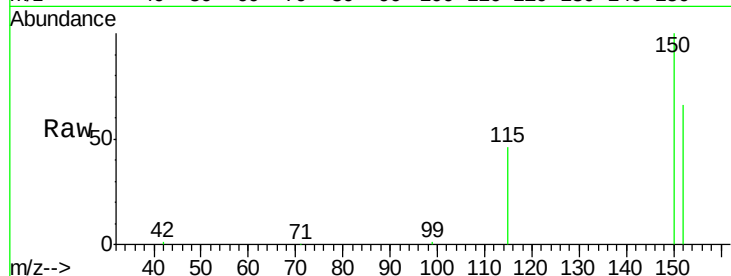
Tgt Ion:152 Resp: 175256

Ion Ratio Lower Upper

152 100

150 152.5 125.5 188.3

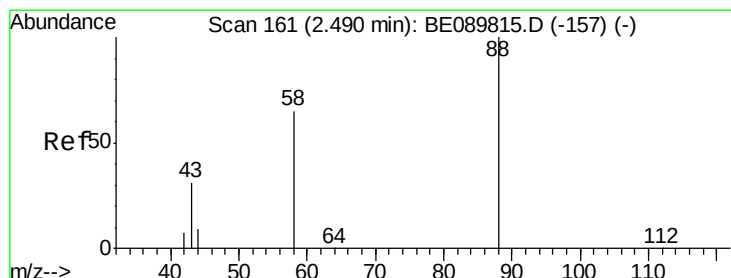
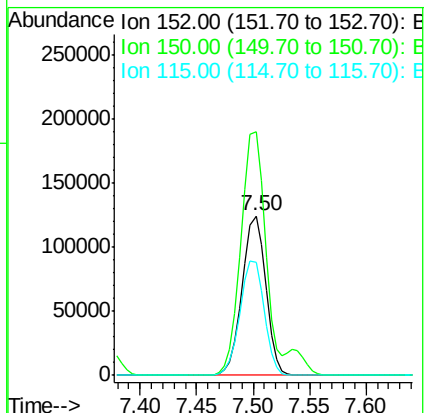
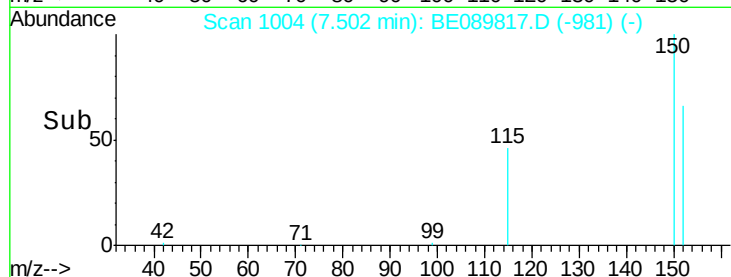
115 70.7 58.0 87.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.84 ng

RT: 2.54 min Scan# 168

Delta R.T. 0.02 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

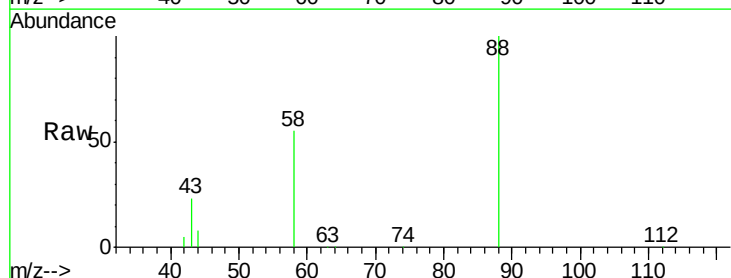
Tgt Ion: 88 Resp: 108913

Ion Ratio Lower Upper

88 100

58 71.3 48.6 72.8

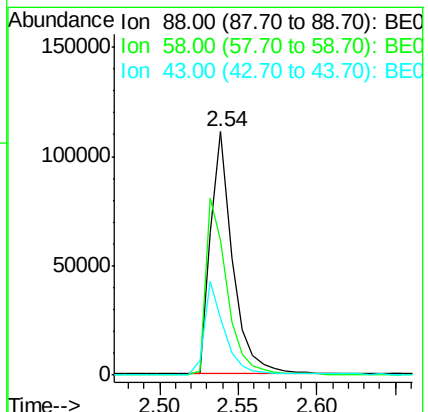
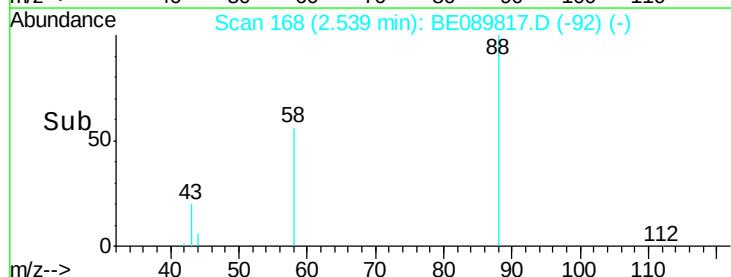
43 34.6 28.6 43.0

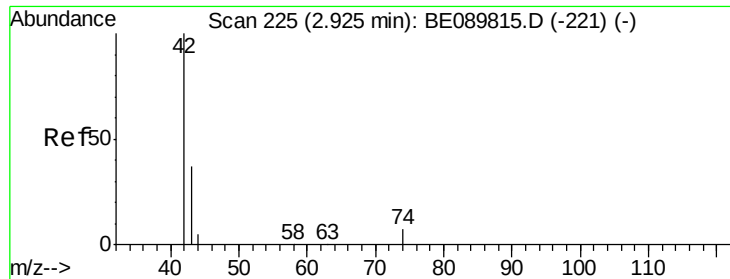


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



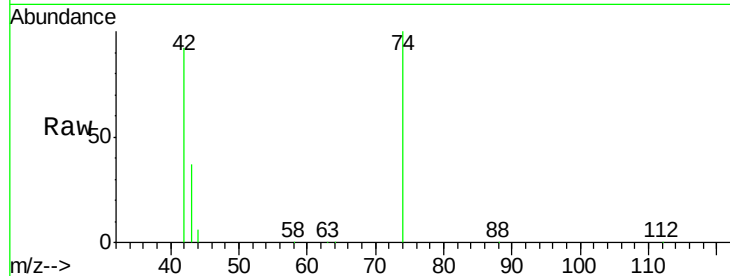


#3

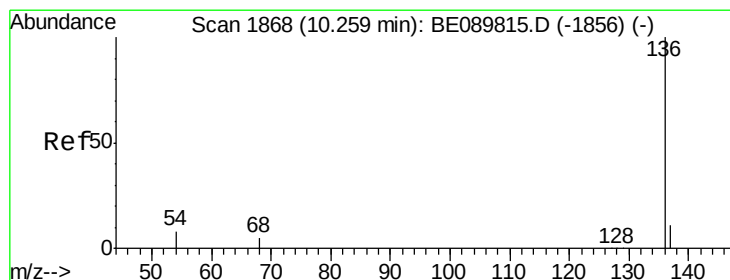
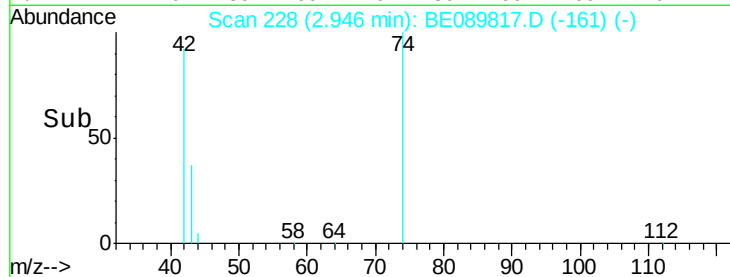
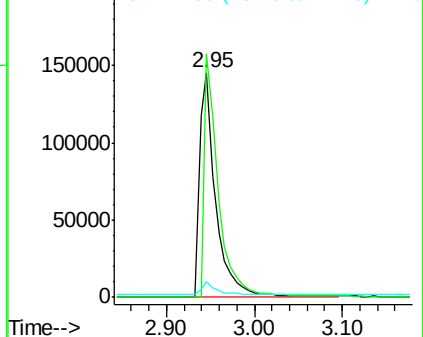
n-Nitrosodimethylamine
 Concen: 5.60 ng
 RT: 2.95 min Scan# 228
 Delta R.T. -0.05 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion: 42 Resp: 186909
 Ion Ratio Lower Upper
 42 100
 74 96.3 68.7 103.1
 44 5.2 6.2 9.4#



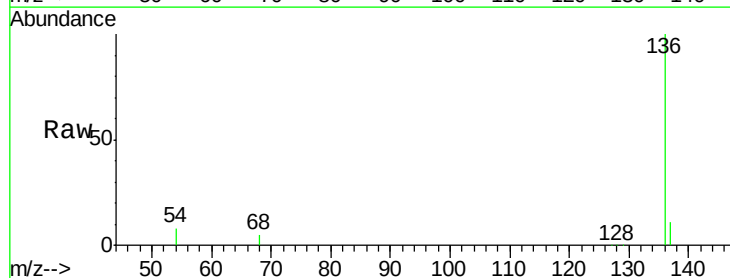
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



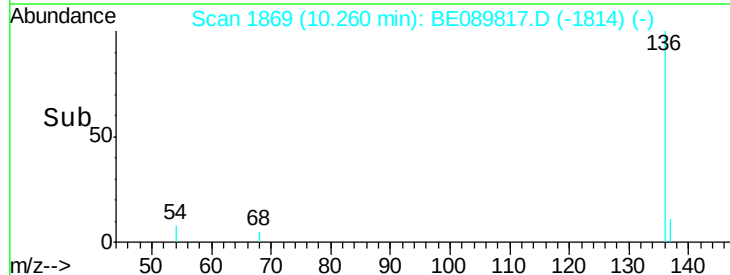
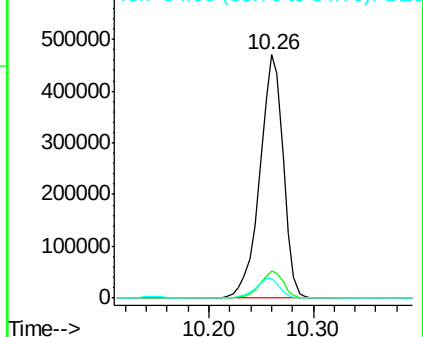
#4

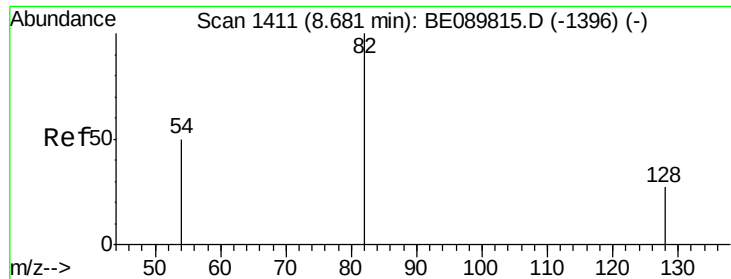
Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.26 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Tgt Ion: 136 Resp: 726077
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.8 13.2
 54 8.2 7.0 10.4



Abundance Ion 136.00 (135.70 to 136.70): E
 Ion 137.00 (136.70 to 137.70): E
 Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 4.91 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

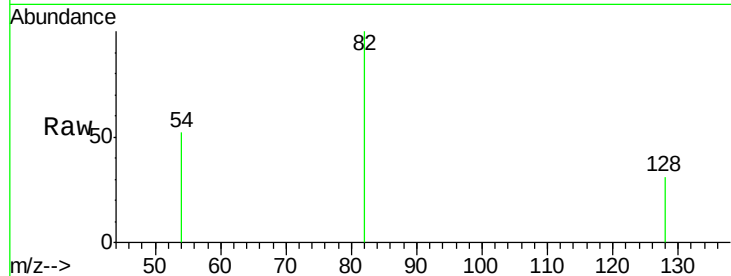
Tgt Ion: 82 Resp: 254361

Ion Ratio Lower Upper

82 100

128 30.9 24.6 37.0

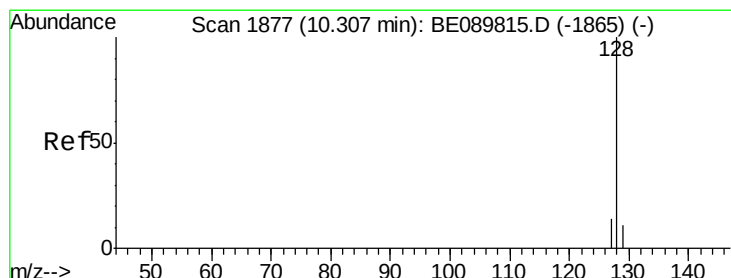
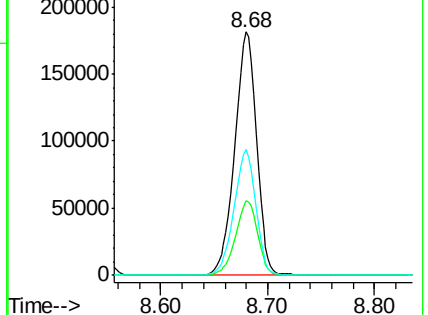
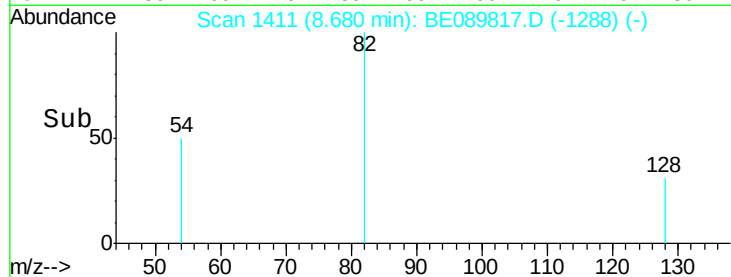
54 51.5 43.0 64.6



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: 4.83 ng

RT: 10.31 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

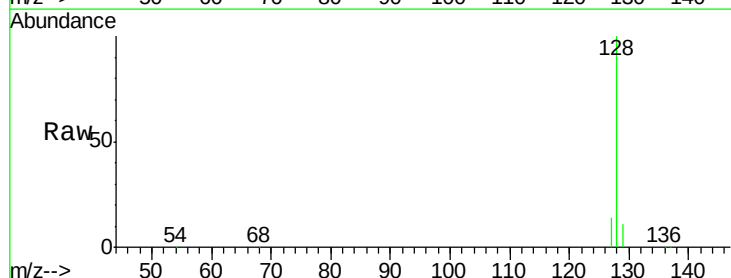
Tgt Ion: 128 Resp: 692874

Ion Ratio Lower Upper

128 100

129 11.3 10.0 15.0

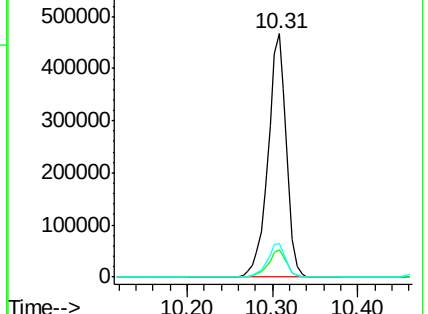
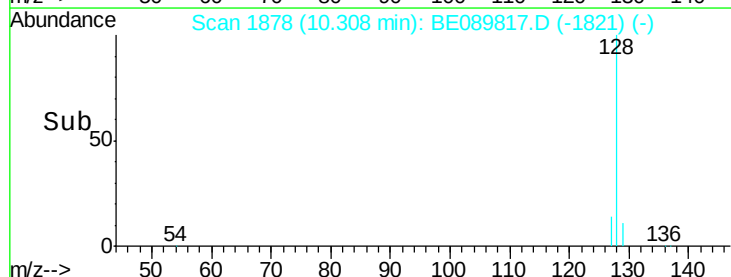
127 13.7 12.5 18.7

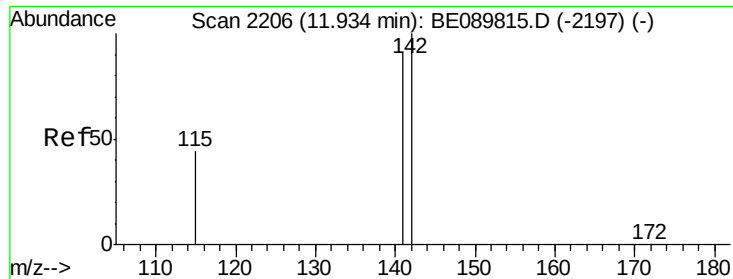


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 5.39 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

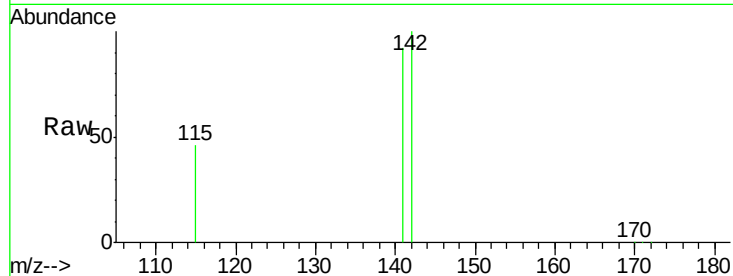
Tgt Ion:142 Resp: 429751

Ion Ratio Lower Upper

142 100

141 92.2 72.8 109.2

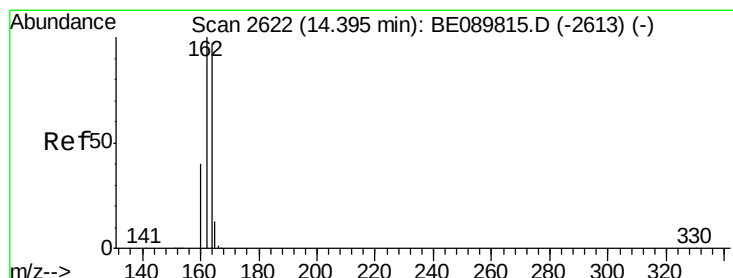
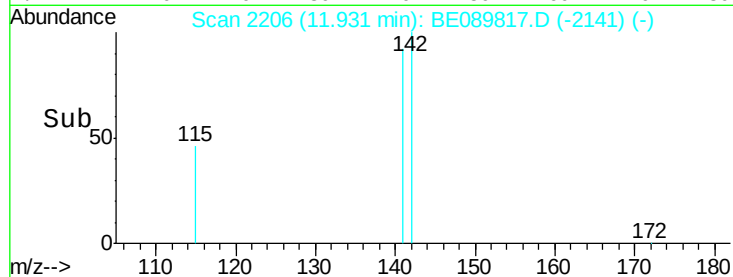
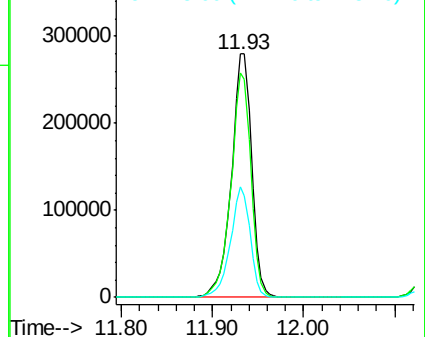
115 45.6 32.9 49.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

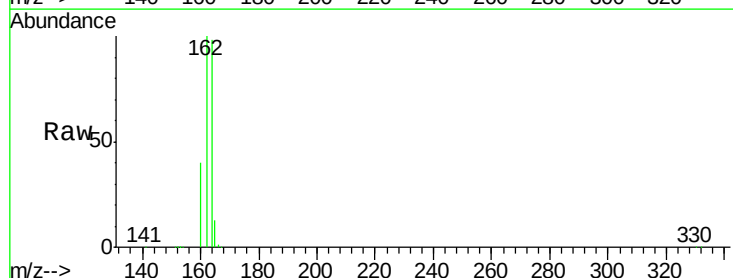
Tgt Ion:164 Resp: 330849

Ion Ratio Lower Upper

164 100

162 102.5 87.6 131.4

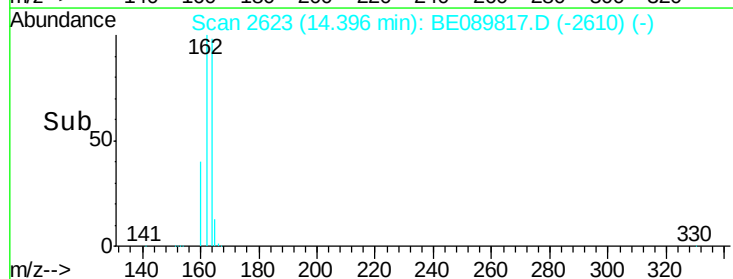
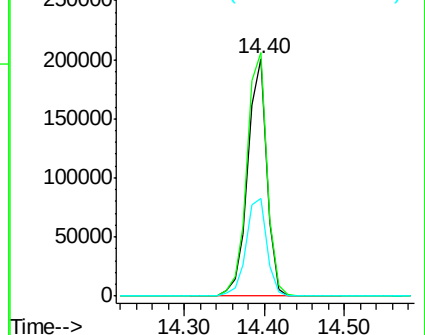
160 41.3 36.7 55.1

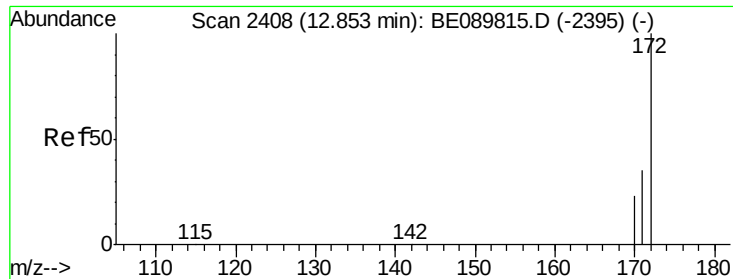


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 5.25 ng

RT: 12.85 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

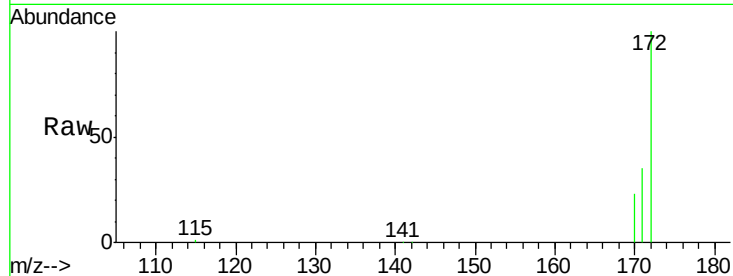
Tgt Ion:172 Resp: 406515

Ion Ratio Lower Upper

172 100

171 35.3 30.8 46.2

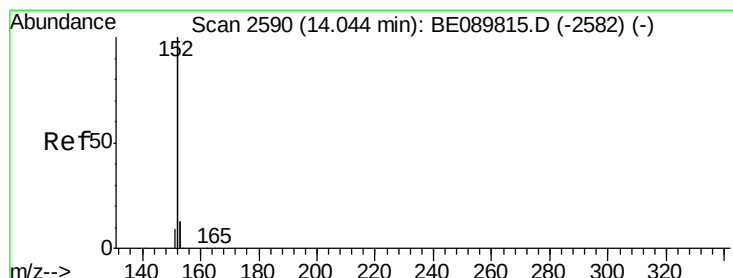
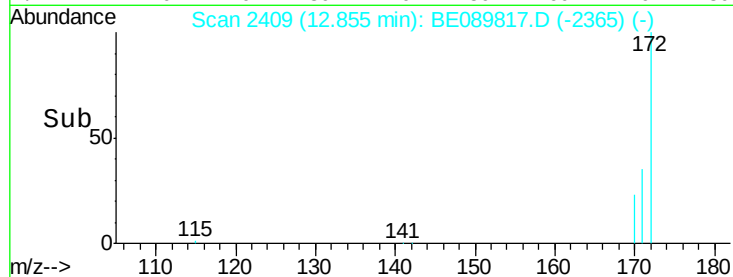
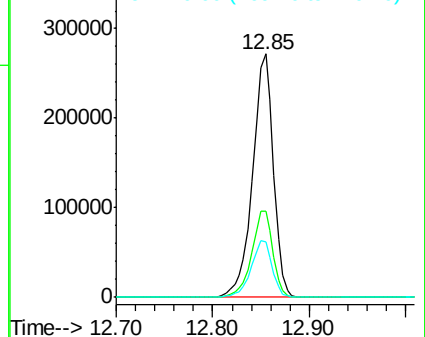
170 22.7 21.0 31.4



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: 5.35 ng

RT: 14.04 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

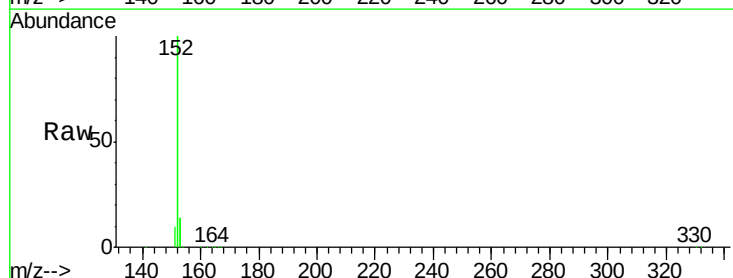
Tgt Ion:152 Resp: 2533349

Ion Ratio Lower Upper

152 100

151 5.1 3.9 5.9

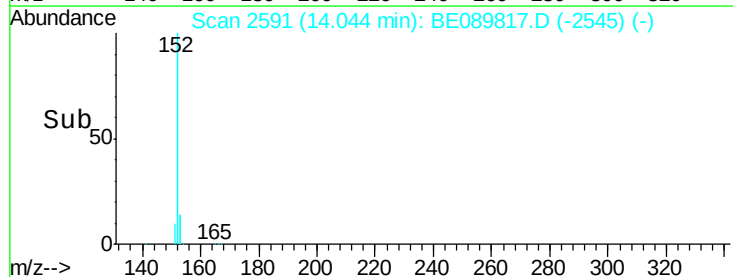
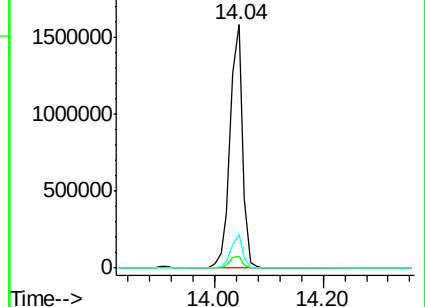
153 13.1 11.0 16.4

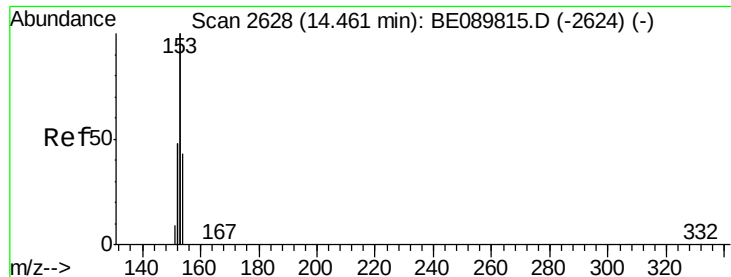


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 5.03 ng

RT: 14.46 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

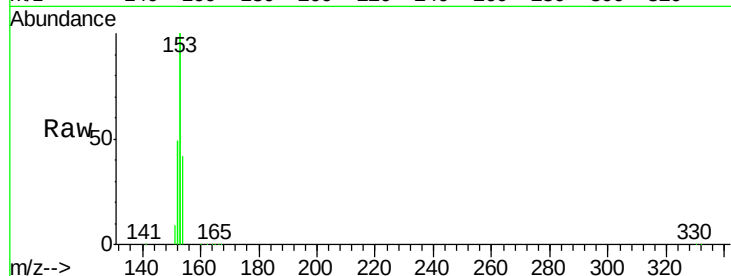
Tgt Ion:154 Resp: 364195

Ion Ratio Lower Upper

154 100

153 463.0 401.5 602.3

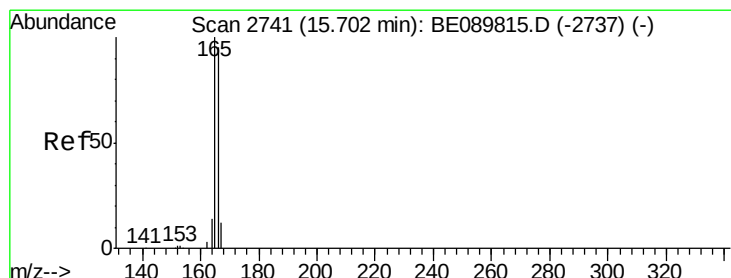
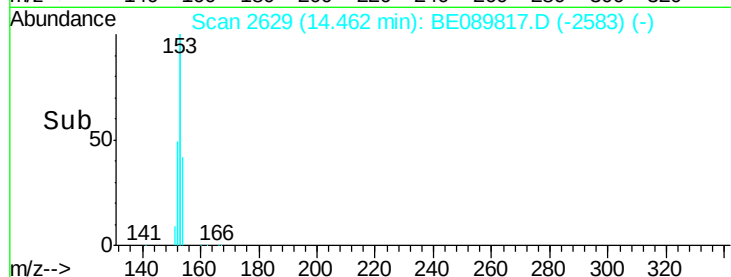
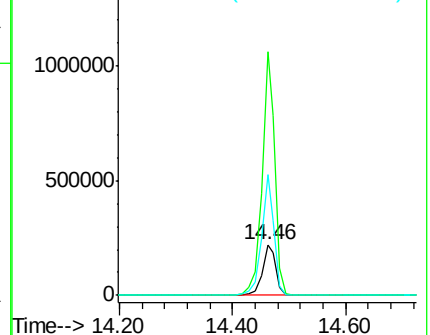
152 220.1 198.6 298.0



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: 5.12 ng

RT: 15.71 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

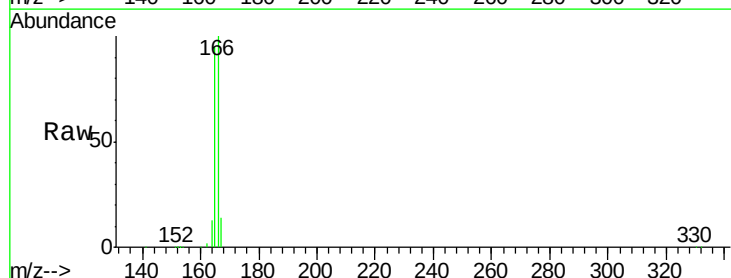
Tgt Ion:166 Resp: 449898

Ion Ratio Lower Upper

166 100

165 99.6 85.1 127.7

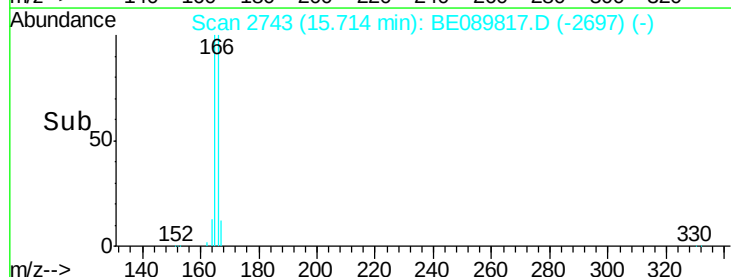
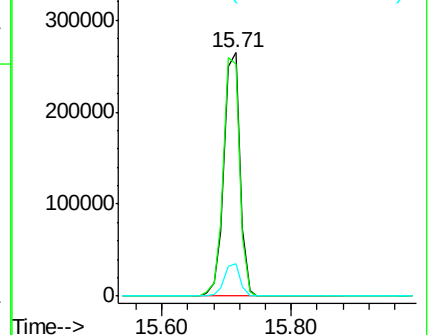
167 13.2 12.2 18.4

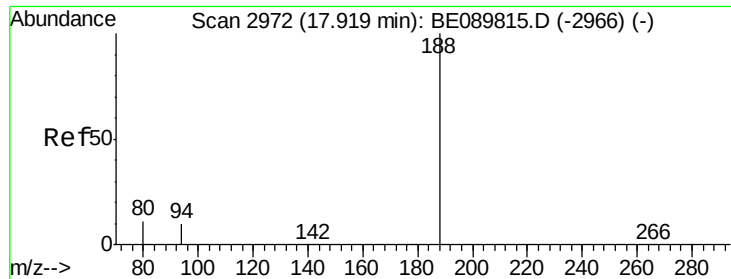


Abundance Ion 166.00 (165.70 to 166.70): E

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# 2973

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

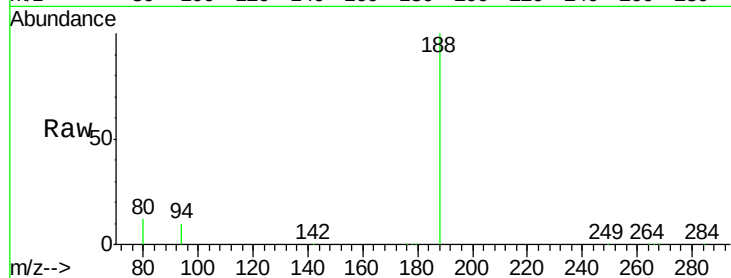
Tgt Ion:188 Resp: 566052

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

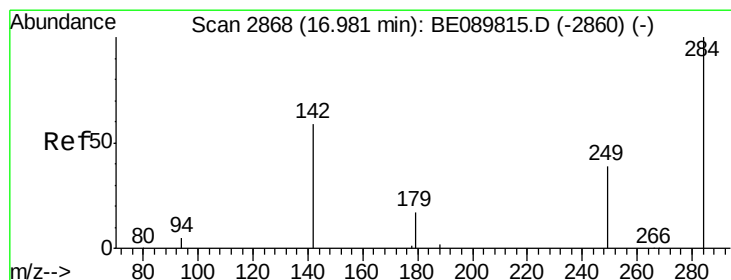
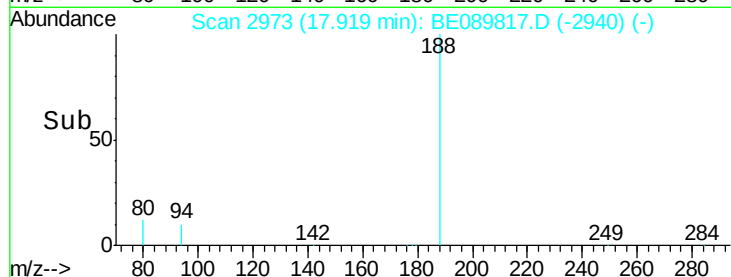
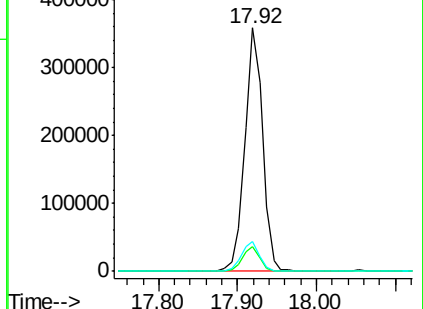
80 12.3 10.0 15.0



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: 4.94 ng

RT: 16.98 min Scan# 2869

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

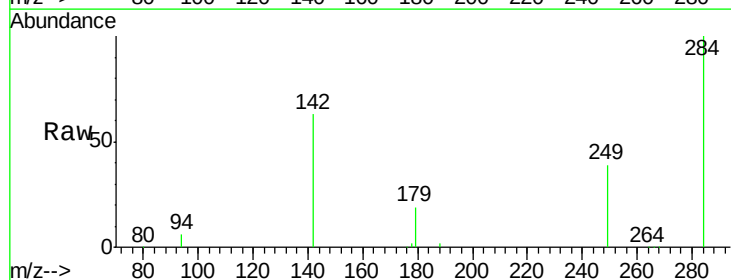
Tgt Ion:284 Resp: 92914

Ion Ratio Lower Upper

284 100

142 64.5 53.3 79.9

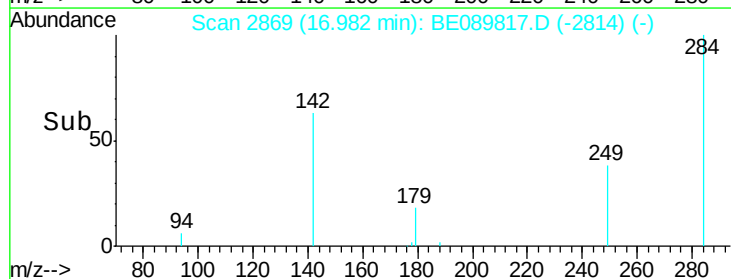
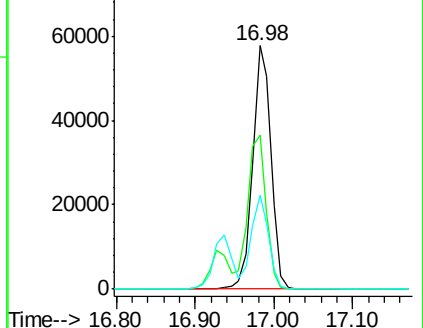
249 36.6 31.1 46.7

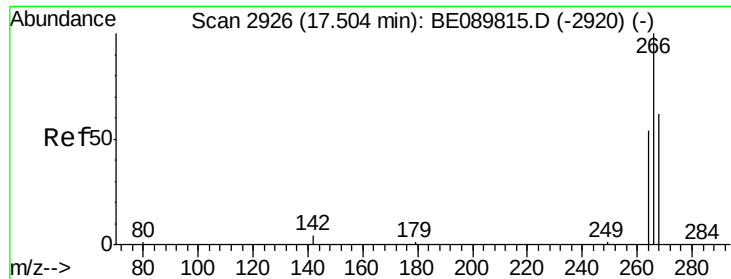


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

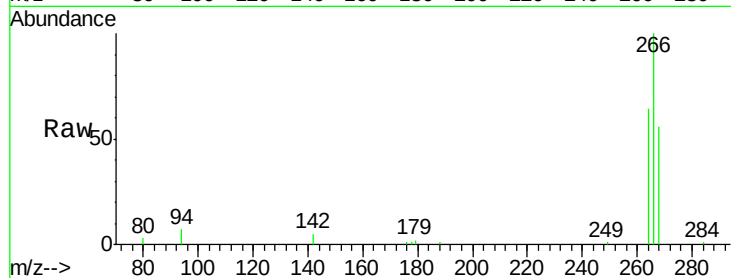




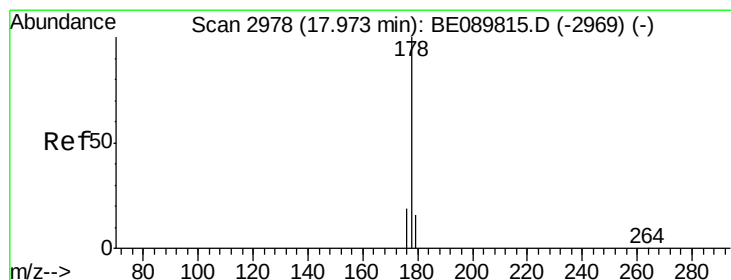
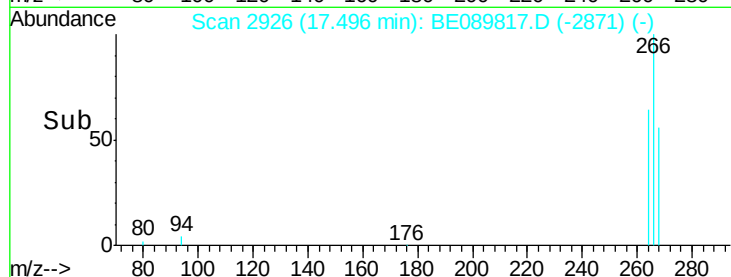
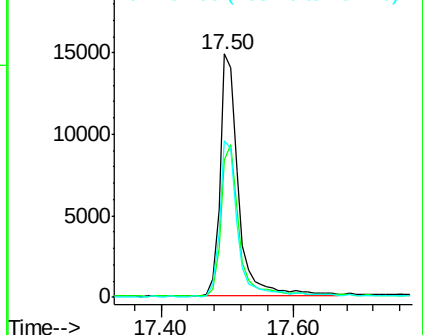
#15
 Pentachlorophenol
 Concen: 5.13 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. -0.01 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion: 266 Resp: 28725
 Ion Ratio Lower Upper
 266 100
 268 56.4 51.6 77.4
 264 64.2 50.2 75.2

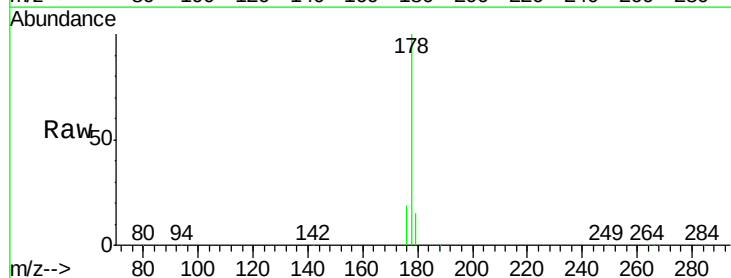


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

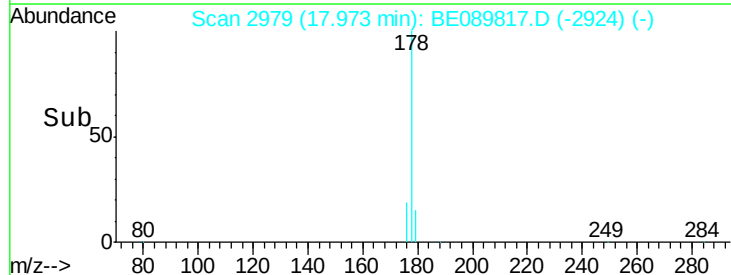
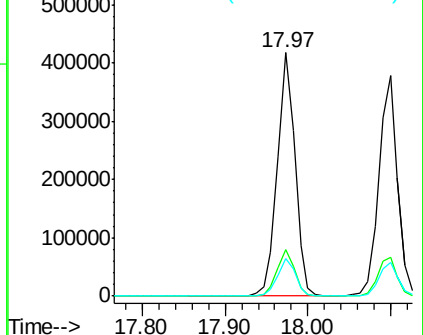


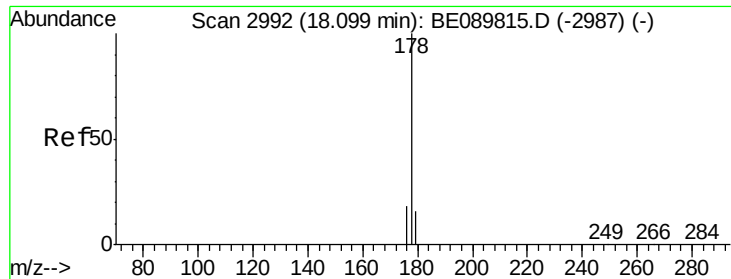
#16
 Phenanthrene
 Concen: 4.97 ng
 RT: 17.97 min Scan# 2979
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Tgt Ion: 178 Resp: 618496
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 15.5 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

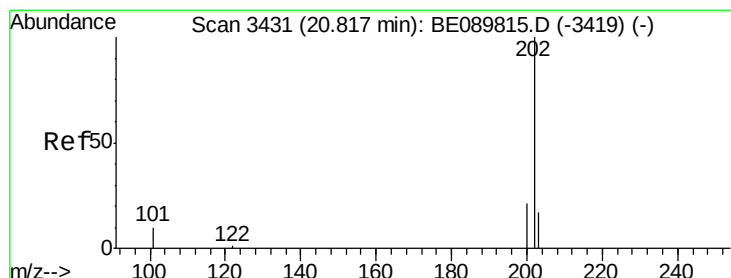
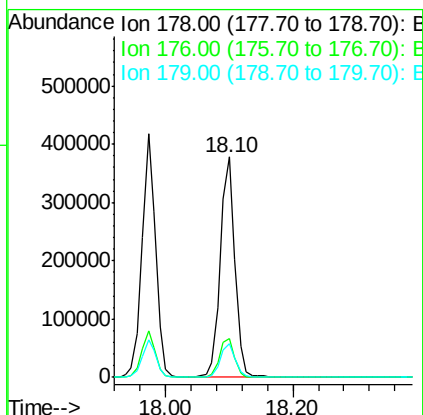
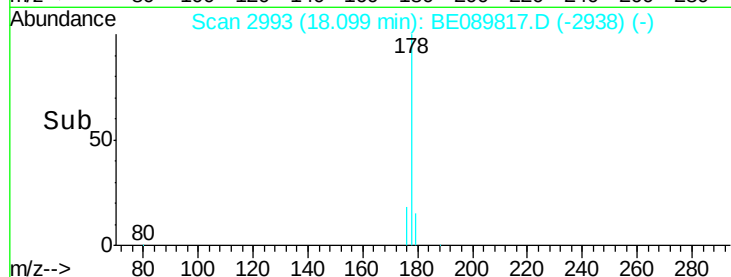
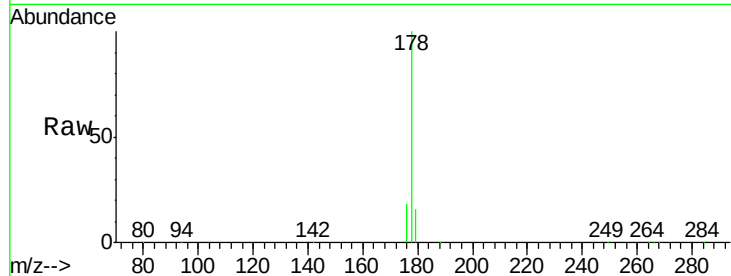




#17
 Anthracene
 Concen: 5.42 ng
 RT: 18.10 min Scan# 2993
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

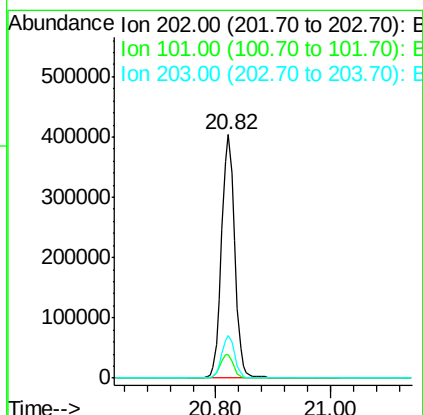
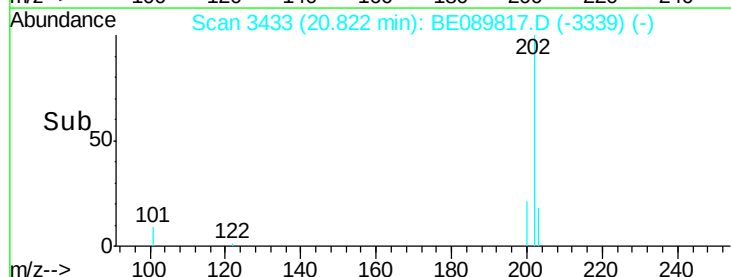
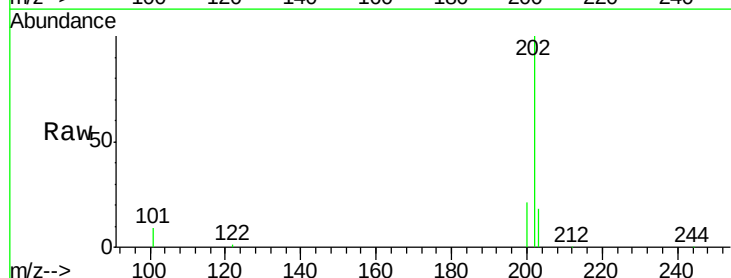
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

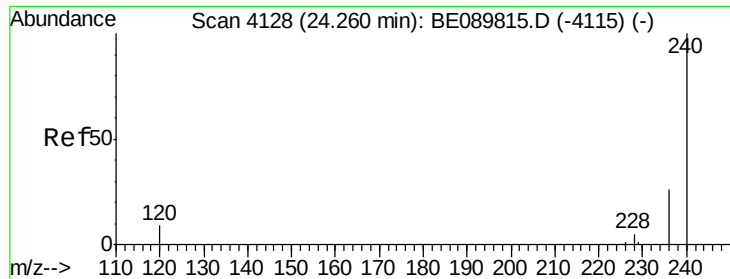
Tgt Ion:178 Resp: 602404
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 21.8
 179 15.6 12.1 18.1



#18
 Fluoranthene
 Concen: 5.73 ng
 RT: 20.82 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Tgt Ion:202 Resp: 642520
 Ion Ratio Lower Upper
 202 100
 101 9.6 8.2 12.2
 203 17.3 14.2 21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

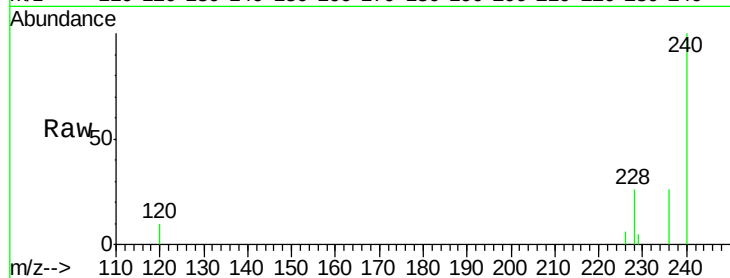
Tgt Ion:240 Resp: 555393

Ion Ratio Lower Upper

240 100

120 9.7 7.5 11.3

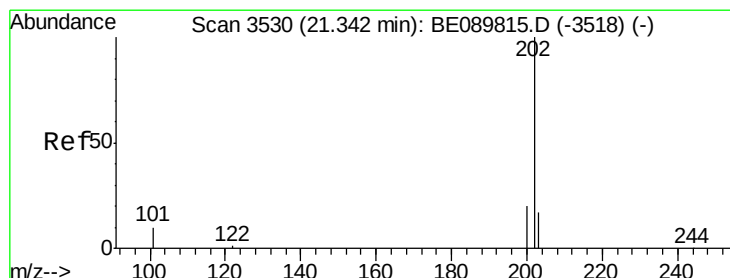
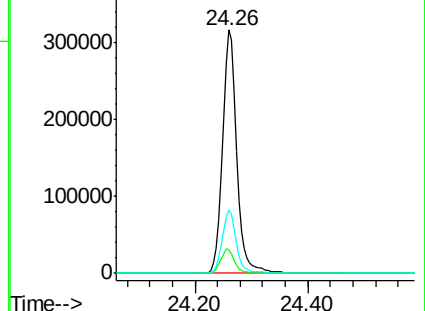
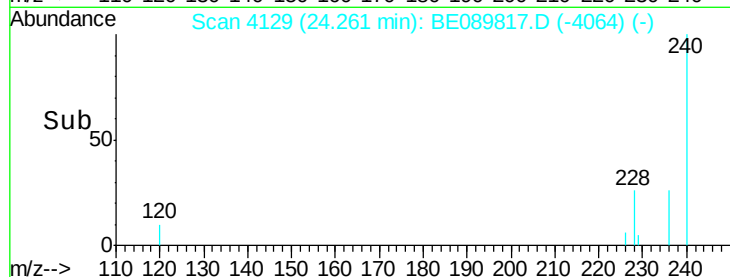
236 26.0 20.5 30.7



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: 4.73 ng

RT: 21.34 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

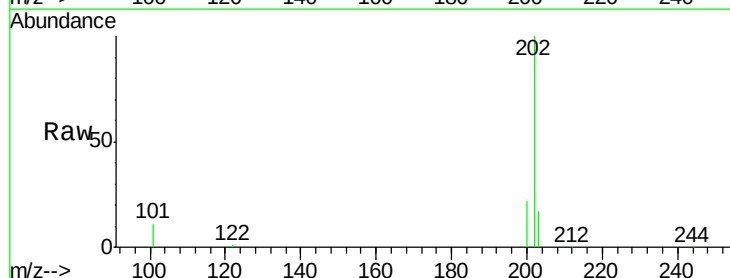
Tgt Ion:202 Resp: 666212

Ion Ratio Lower Upper

202 100

200 21.1 15.9 23.9

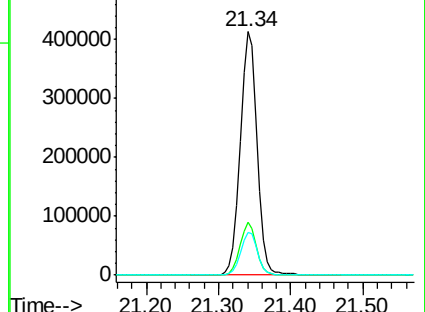
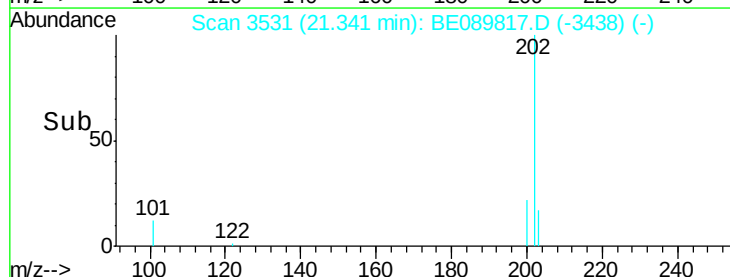
203 17.6 13.6 20.4

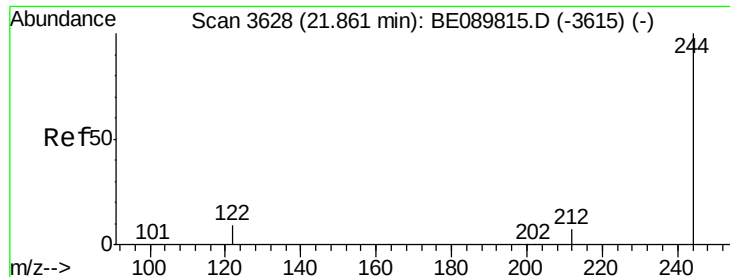


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

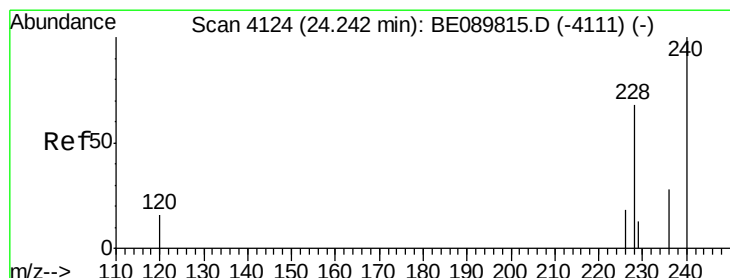
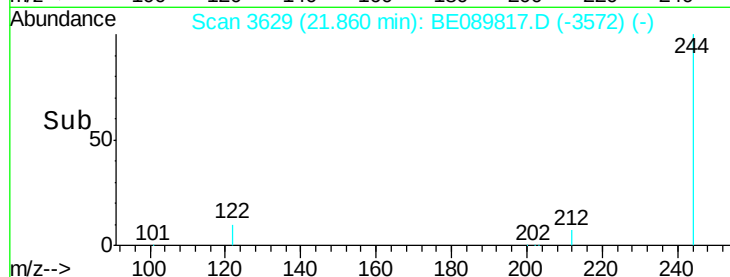
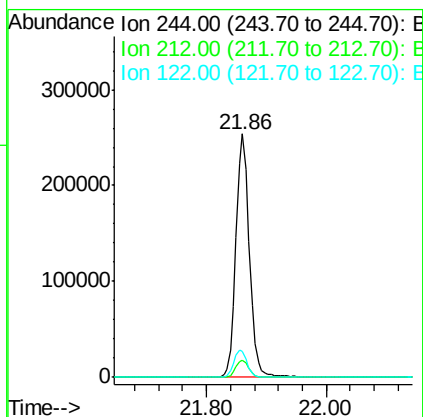
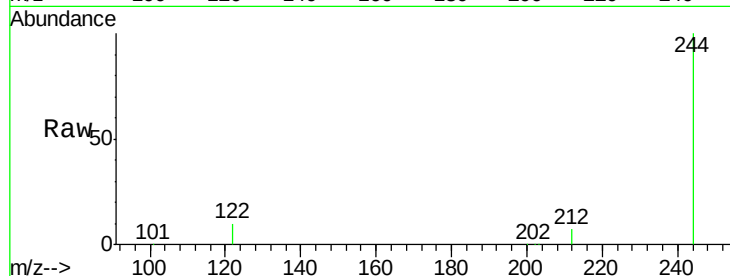




#21
 Terphenyl-d14
 Concen: 4.88 ng
 RT: 21.86 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

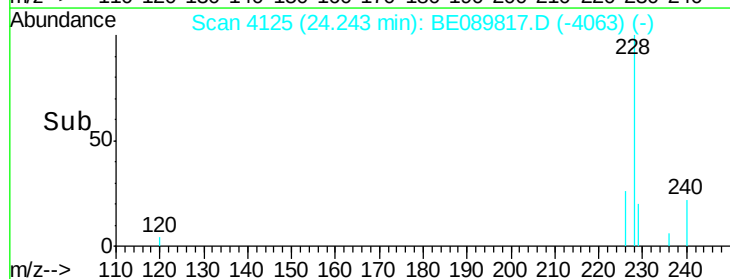
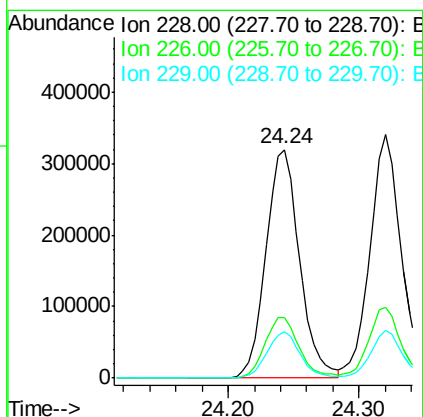
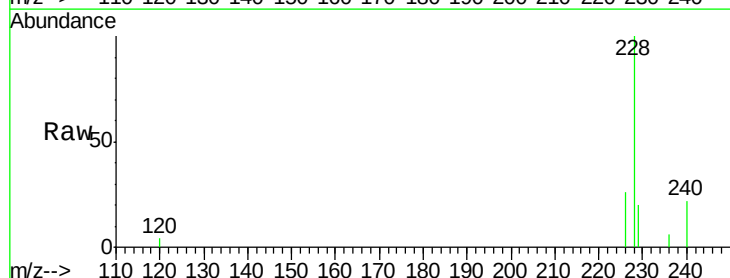
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

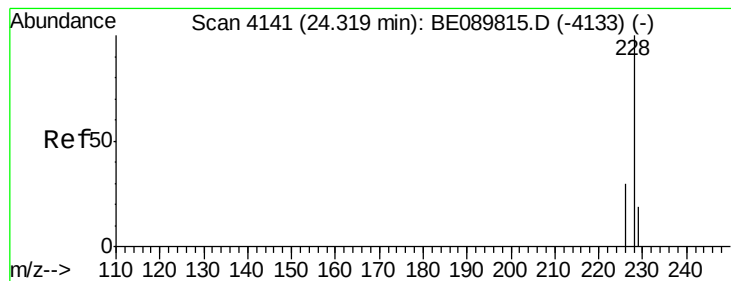
Tgt Ion: 244 Resp: 399756
 Ion Ratio Lower Upper
 244 100
 212 7.3 7.3 10.9#
 122 10.5 10.5 15.7



#22
 Benzo(a)anthracene
 Concen: 5.50 ng
 RT: 24.24 min Scan# 4125
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Tgt Ion: 228 Resp: 571264
 Ion Ratio Lower Upper
 228 100
 226 26.4 19.8 29.8
 229 20.2 16.3 24.5





#23

Chrysene

Concen: 5.15 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

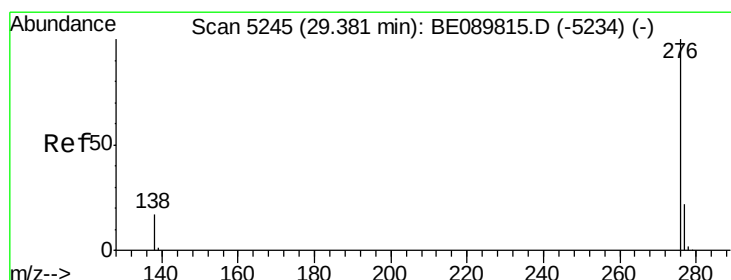
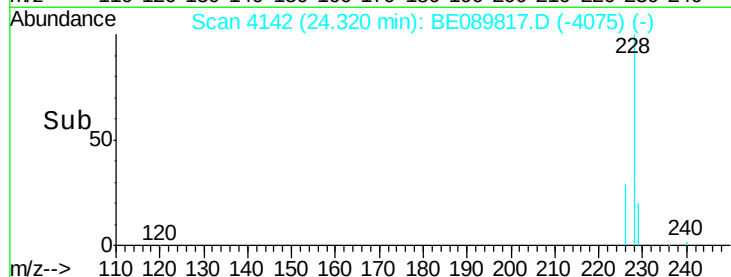
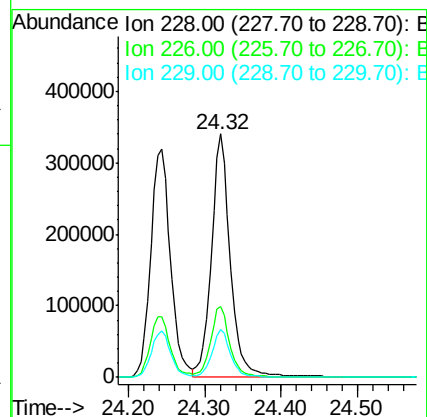
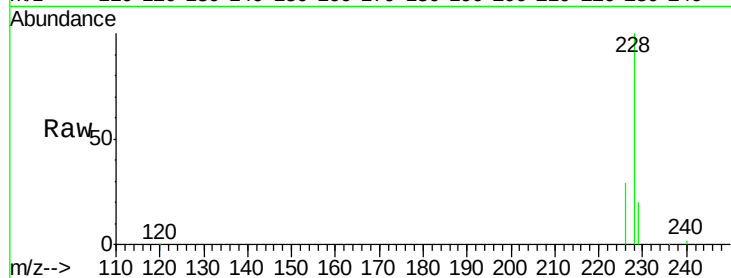
Tgt Ion: 228 Resp: 583821

Ion Ratio Lower Upper

228 100

226 29.1 23.0 34.4

229 19.6 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 3.21 ng

RT: 29.38 min Scan# 5247

Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

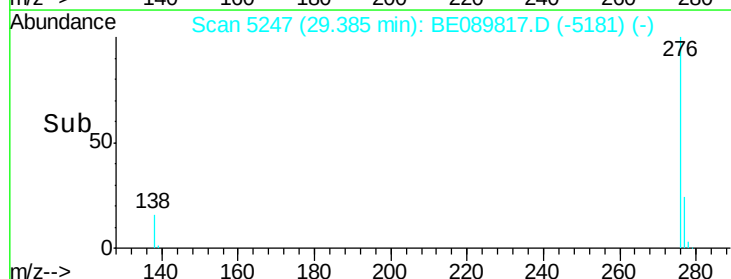
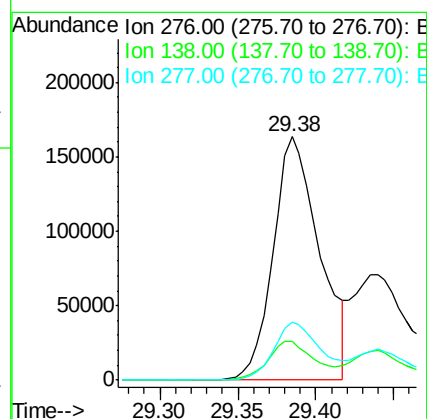
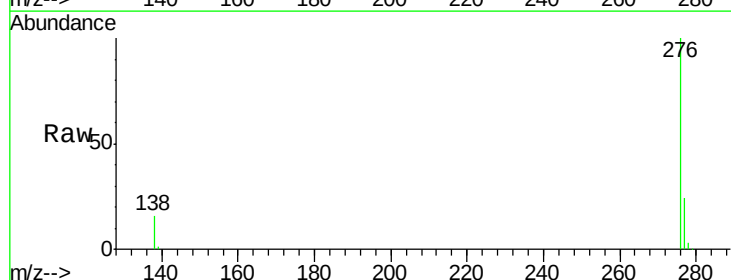
Tgt Ion: 276 Resp: 337321

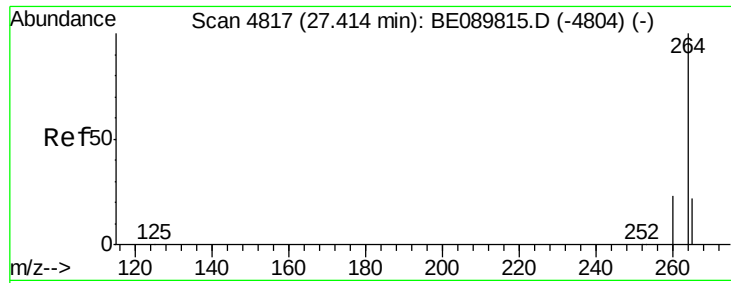
Ion Ratio Lower Upper

276 100

138 15.9 4.3 6.5#

277 23.9 9.0 13.4#

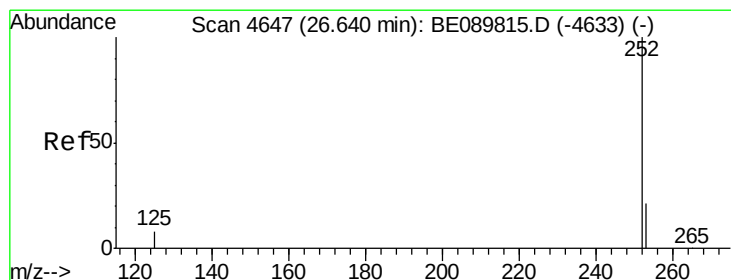
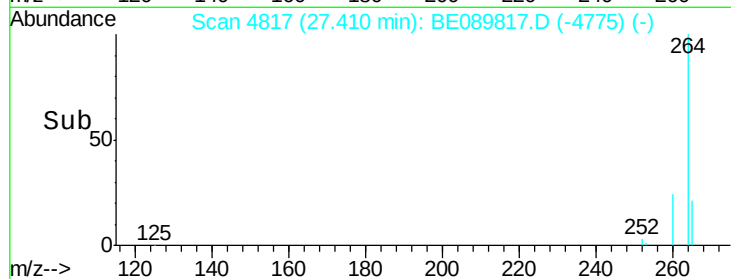
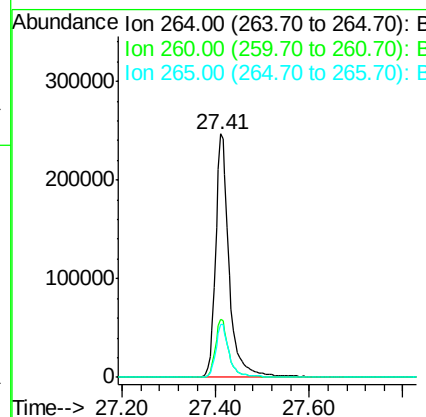
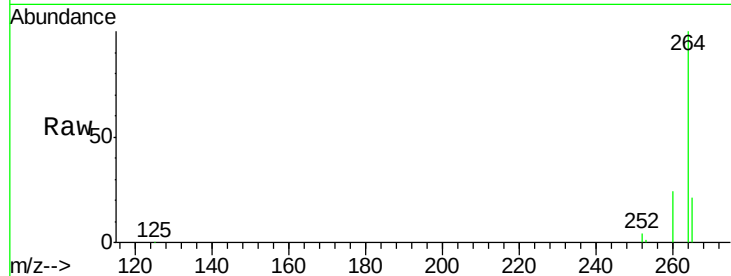




#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4817
 Delta R.T. -0.00 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

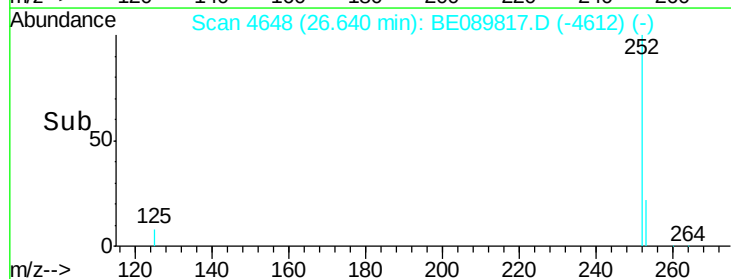
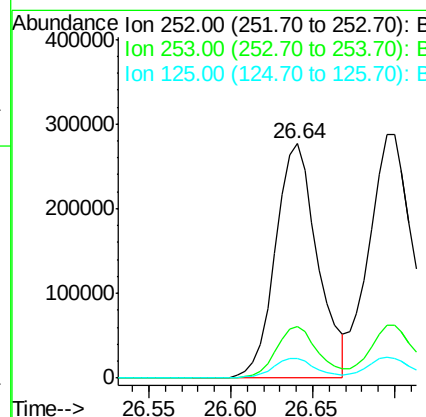
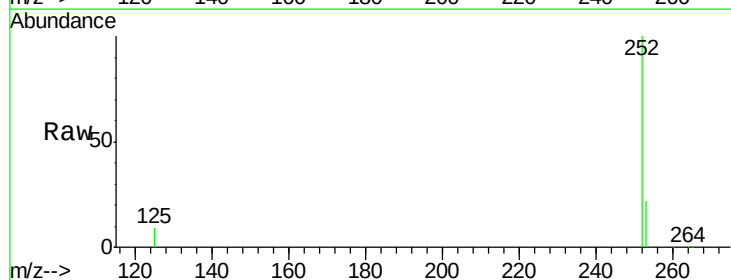
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

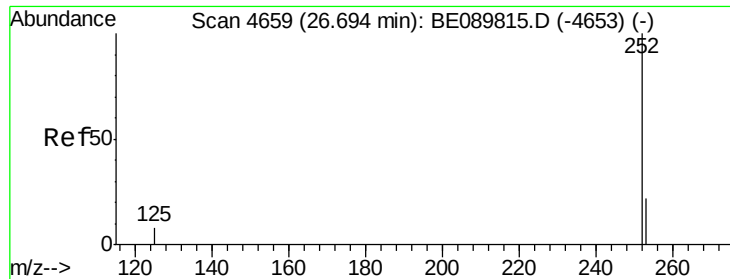
Tgt Ion: 264 Resp: 494689
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.2
 265 21.5 17.3 25.9



#26
Benzo(b)fluoranthene
 Concen: 4.78 ng
 RT: 26.64 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: BE089817.D
 Acq: 24 Mar 2015 16:10

Tgt Ion: 252 Resp: 495424
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.8 26.6
 125 8.5 8.7 13.1#

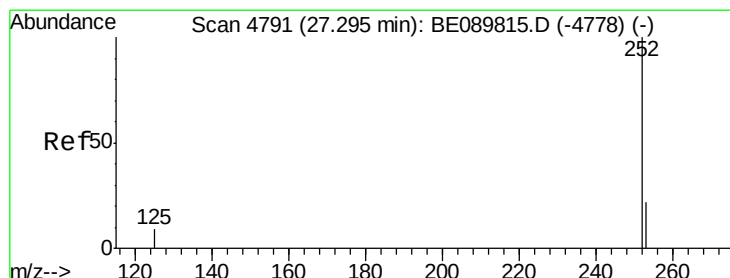
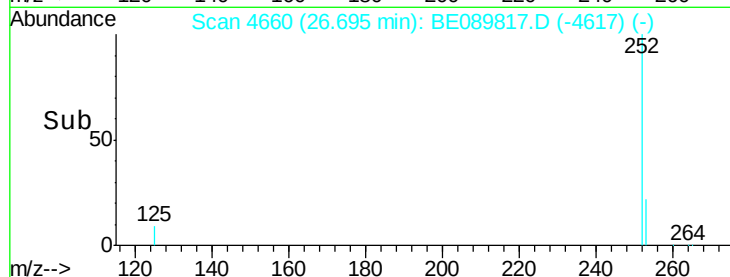
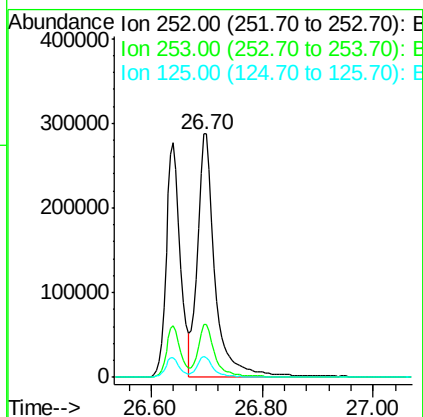
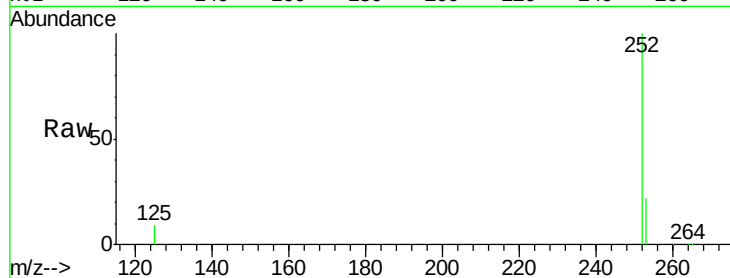




#27
Benzo(k)fluoranthene
Concen: 6.10 ng
RT: 26.70 min Scan# 4660
Delta R.T. -0.00 min
Lab File: BE089817.D
Acq: 24 Mar 2015 16:10

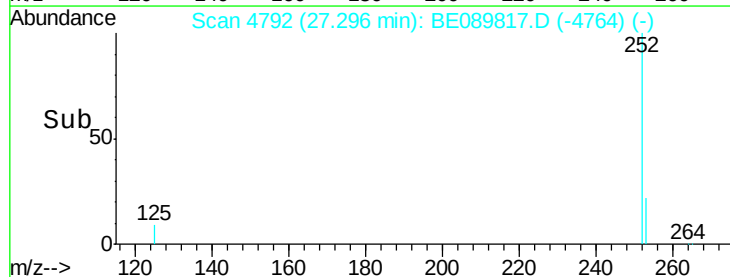
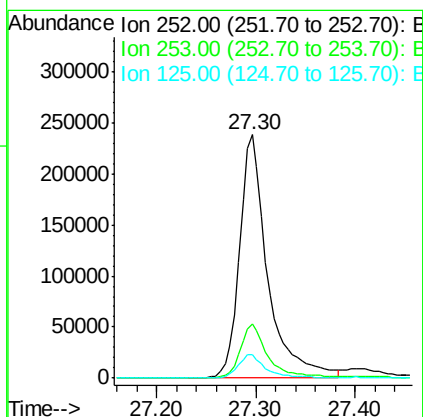
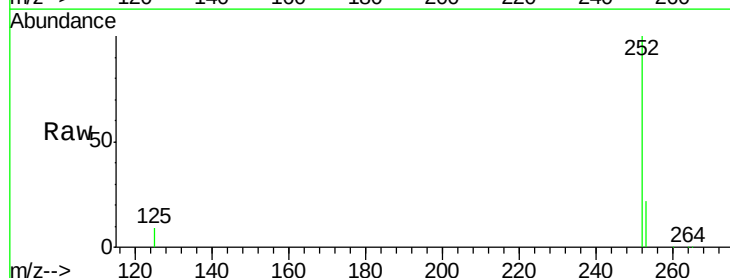
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

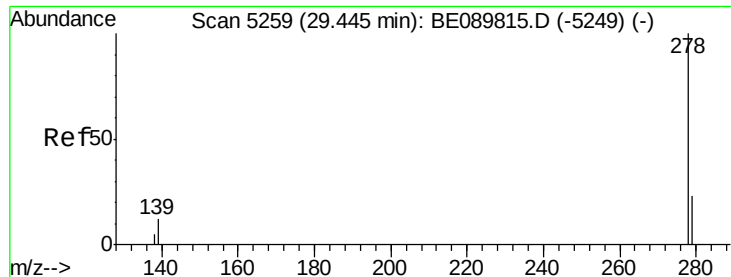
Tgt Ion: 252 Resp: 618064
Ion Ratio Lower Upper
252 100
253 21.6 18.6 28.0
125 8.6 10.8 16.2#



#28
Benzo(a)pyrene
Concen: 4.83 ng
RT: 27.30 min Scan# 4792
Delta R.T. -0.00 min
Lab File: BE089817.D
Acq: 24 Mar 2015 16:10

Tgt Ion: 252 Resp: 470707
Ion Ratio Lower Upper
252 100
253 22.3 21.0 31.4
125 9.4 13.3 19.9#





#29

Dibenzo(a,h)anthracene

Concen: 4.64 ng

RT: 29.44 min Scan# 5260

Delta R.T. 0.00 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

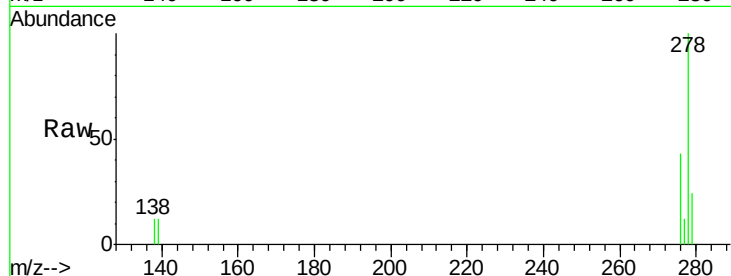
Tgt Ion: 278 Resp: 421705

Ion Ratio Lower Upper

278 100

139 12.0 20.0 30.0#

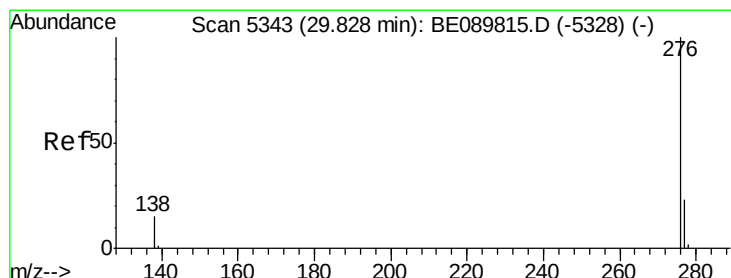
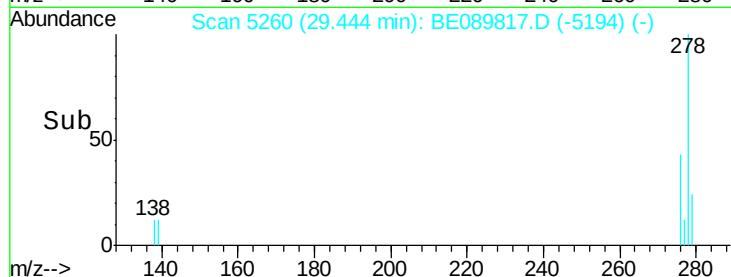
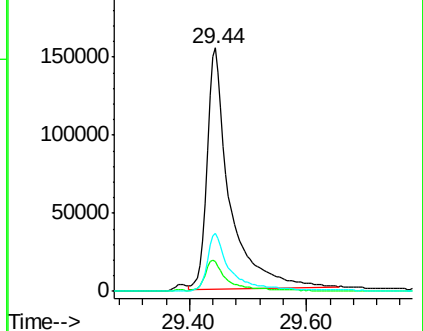
279 24.0 28.9 43.3#



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: 4.91 ng

RT: 29.83 min Scan# 5344

Delta R.T. 0.01 min

Lab File: BE089817.D

Acq: 24 Mar 2015 16:10

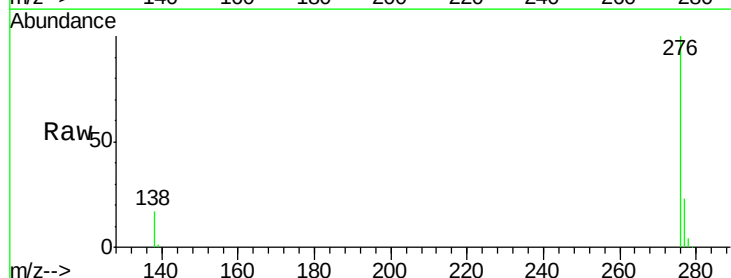
Tgt Ion: 276 Resp: 501536

Ion Ratio Lower Upper

276 100

277 23.4 19.2 28.8

138 17.2 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

