

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089812.D
 Acq On : 24 Mar 2015 12:47
 Operator : TP/JJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Quant Time: Mar 24 18:24:54 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	164279	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	656502	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	318120	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	538748	5.00	ng	0.00
19) Chrysene-d12	24.26	240	406430	5.00	ng	0.00
25) Perylene-d12	27.41	264	335643	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	6281	0.39	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	13274	0.18	ng	0.00
21) Terphenyl-d14	21.86	244	11810	0.20	ng	0.00

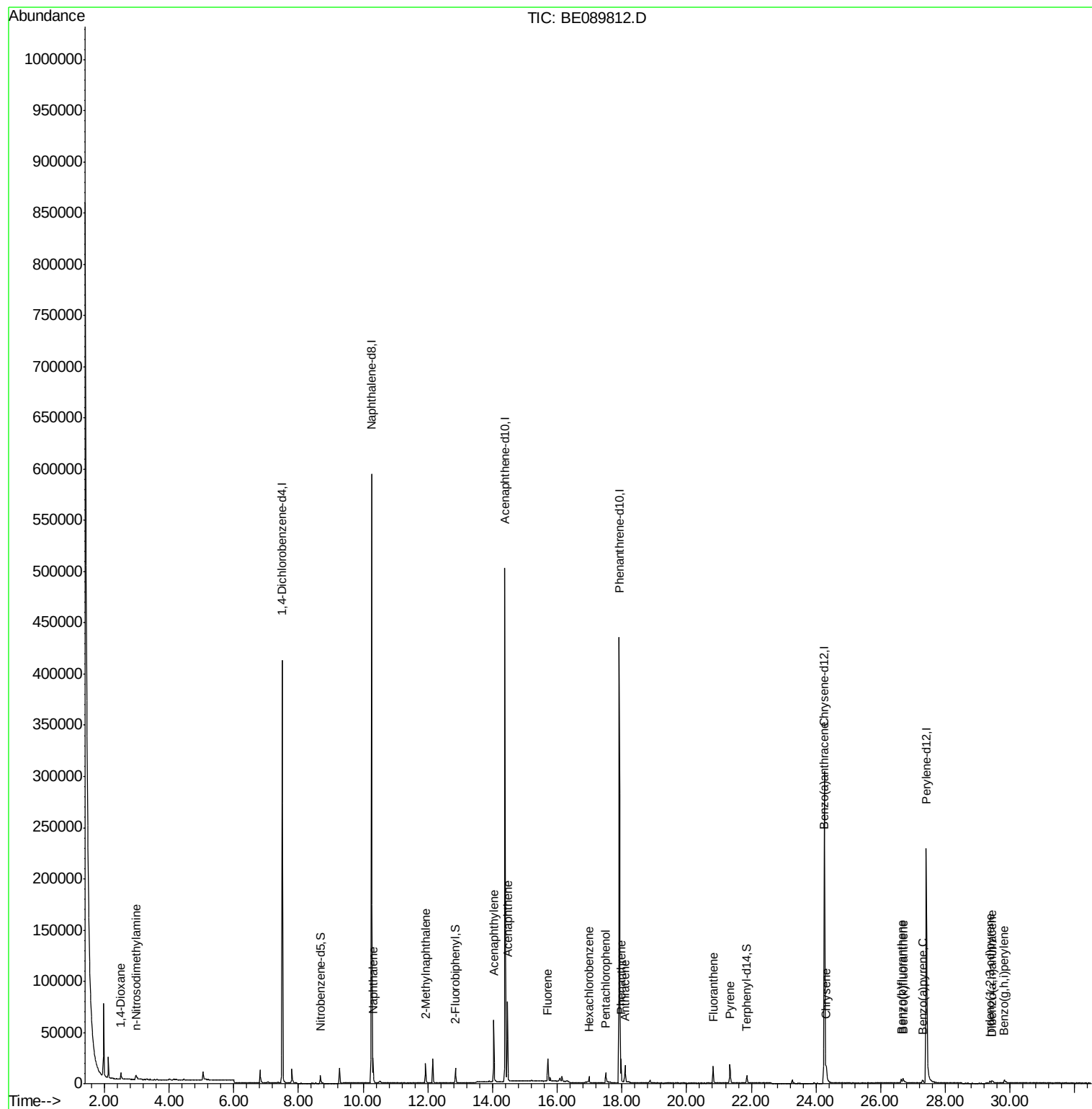
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.51	88	4721	0.22	ng	96
3) n-Nitrosodimethylamine	2.97	42	5679	0.18	ng	93
6) Naphthalene	10.31	128	26508	0.20	ng	98
7) 2-Methylnaphthalene	11.94	142	12436	0.17	ng	96
10) Acenaphthylene	14.04	152	86114	0.19	ng	97
11) Acenaphthene	14.46	154	13999	0.20	ng	87
12) Fluorene	15.71	166	16474	0.19	ng	95
14) Hexachlorobenzene	16.98	284	3787	0.21	ng	99
15) Pentachlorophenol	17.50	266	8284	1.87	ng	96
16) Phenanthrene	17.97	178	24484	0.21	ng	98
17) Anthracene	18.10	178	19771	0.19	ng	99
18) Fluoranthene	20.82	202	19127	0.18	ng	99
20) Pyrene	21.34	202	20990	0.20	ng	99
22) Benzo(a)anthracene	24.24	228	14292	0.19	ng	99
23) Chrysene	24.32	228	16791	0.20	ng	98
24) Indeno(1,2,3-cd)pyrene	29.38	276	3290	0.46	ng	# 64
26) Benzo(b)fluoranthene	26.64	252	7588	0.41	ng	95
27) Benzo(k)fluoranthene	26.70	252	8747	0.13	ng	96
28) Benzo(a)pyrene	27.29	252	6869	0.39	ng	96
29) Dibenzo(a,h)anthracene	29.44	278	2884	0.46	ng	93
30) Benzo(g,h,i)perylene	29.83	276	7761	0.36	ng	# 92

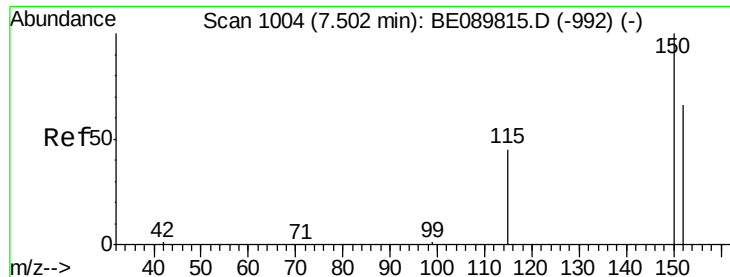
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

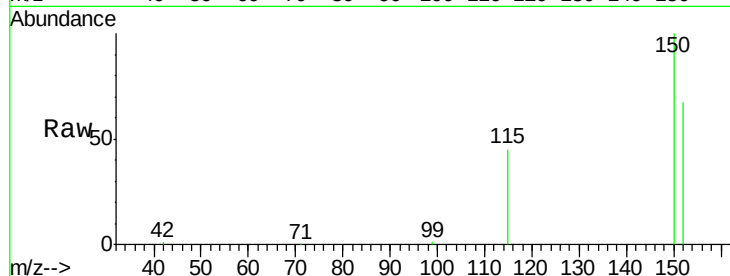
Tgt Ion:152 Resp: 164279

Ion Ratio Lower Upper

152 100

150 149.5 125.5 188.3

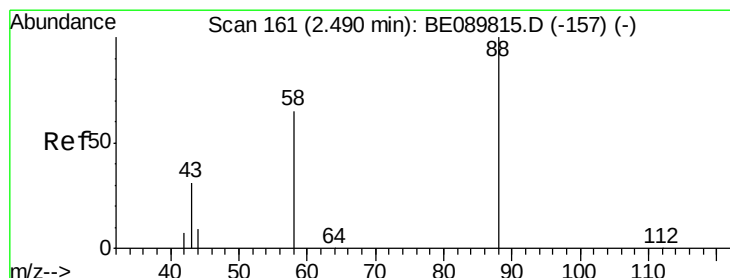
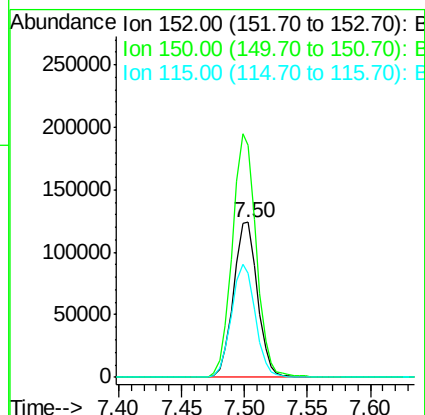
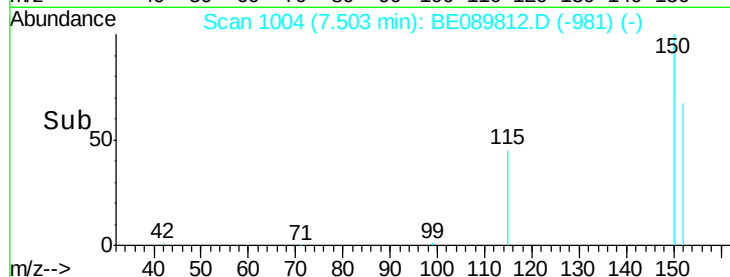
115 66.7 58.0 87.0



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: 0.22 ng

RT: 2.51 min Scan# 164

Delta R.T. -0.01 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

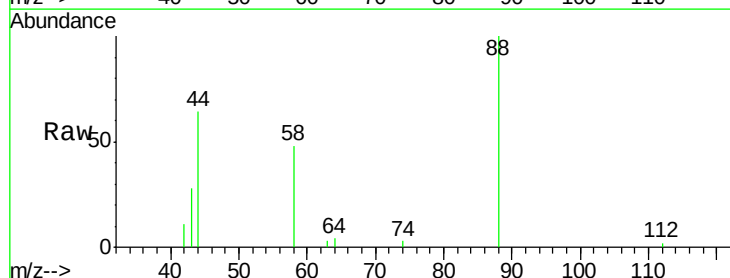
Tgt Ion: 88 Resp: 4721

Ion Ratio Lower Upper

88 100

58 64.4 48.6 72.8

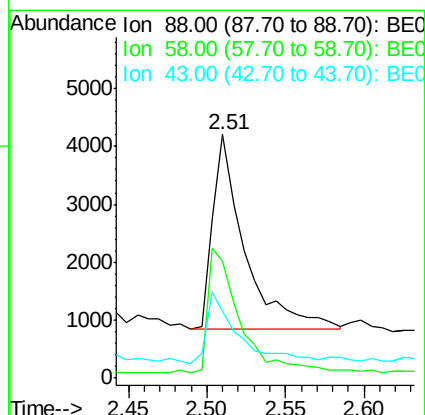
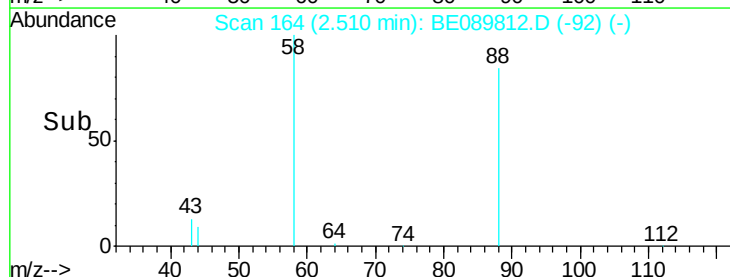
43 37.0 28.6 43.0

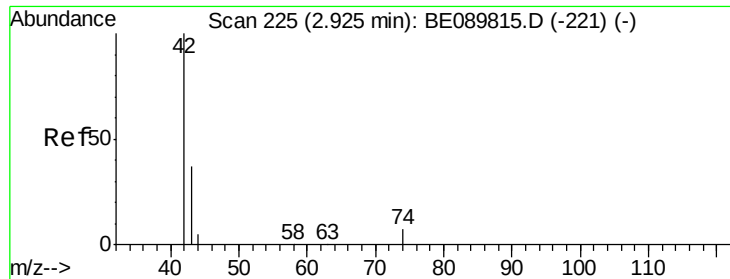


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



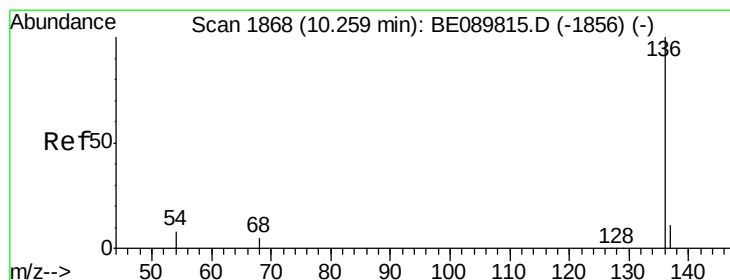
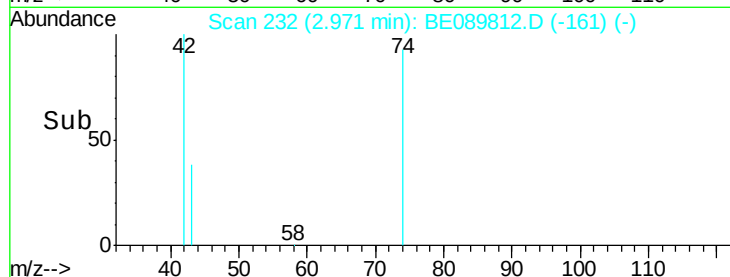
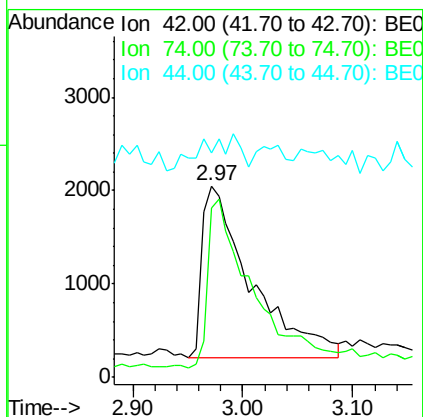
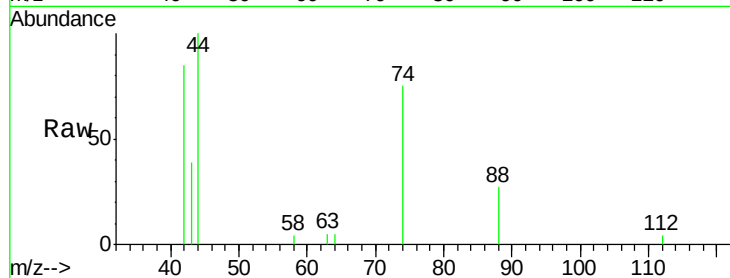


#3

n-Nitrosodimethylamine
 Concen: 0.18 ng
 RT: 2.97 min Scan# 232
 Delta R.T. -0.02 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

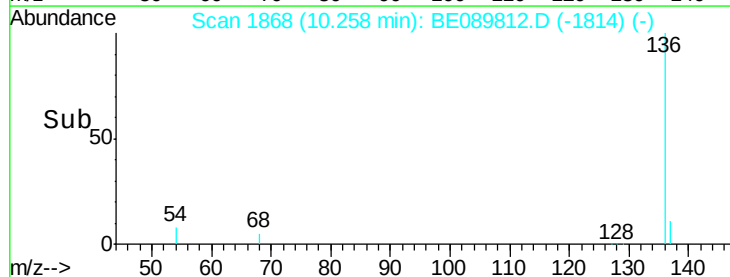
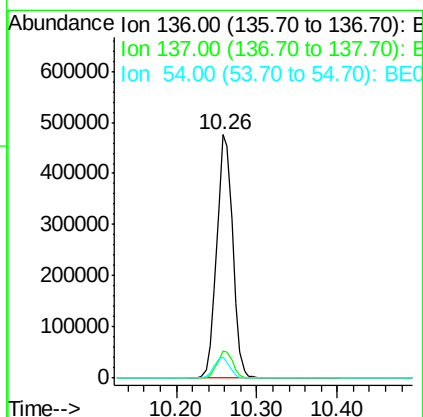
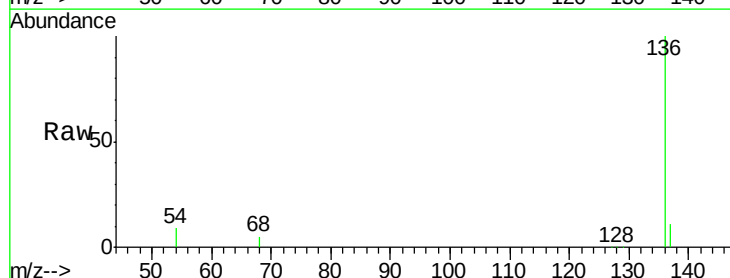
Tgt Ion: 42 Resp: 5679
 Ion Ratio Lower Upper
 42 100
 74 92.4 68.7 103.1
 44 6.3 6.2 9.4

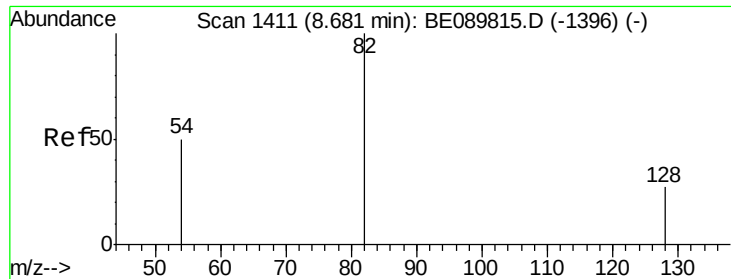


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.26 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Tgt Ion: 136 Resp: 656502
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.8 13.2
 54 8.5 7.0 10.4





#5

Nitrobenzene-d5

Concen: 0.39 ng

RT: 8.68 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

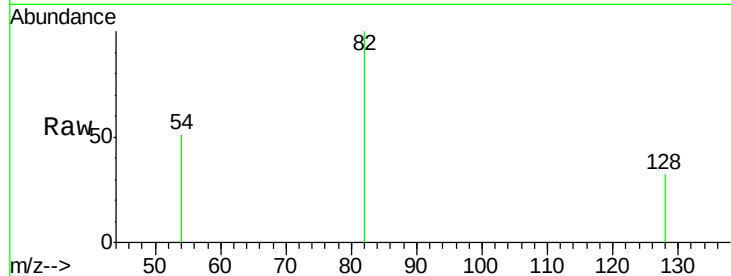
Tgt Ion: 82 Resp: 6281

Ion Ratio Lower Upper

82 100

128 32.2 24.6 37.0

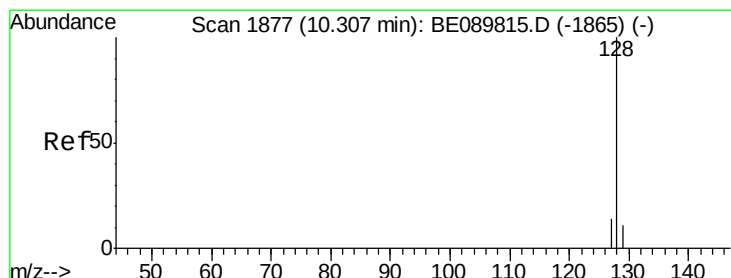
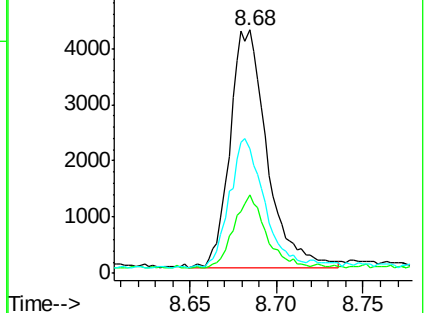
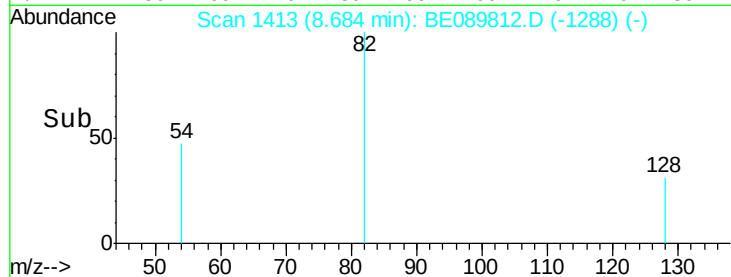
54 51.0 43.0 64.6



Abundance Ion 82.00 (81.70 to 82.70): BE089815.D (-1396) (-)

Ion 128.00 (127.70 to 128.70): BE089815.D (-1396) (-)

Ion 54.00 (53.70 to 54.70): BE089815.D (-1396) (-)



#6

Naphthalene

Concen: 0.20 ng

RT: 10.31 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

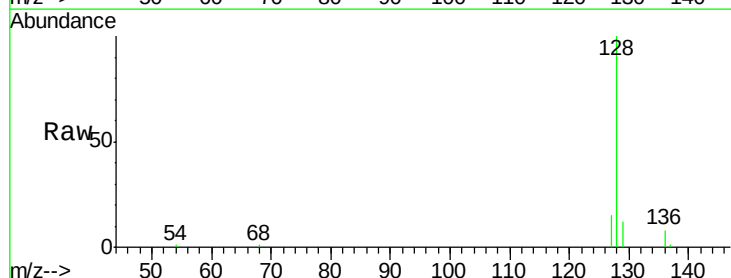
Tgt Ion: 128 Resp: 26508

Ion Ratio Lower Upper

128 100

129 11.6 10.0 15.0

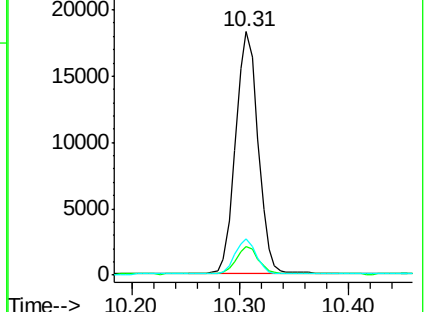
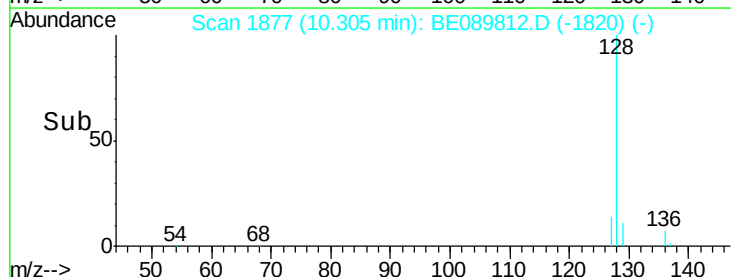
127 14.7 12.5 18.7

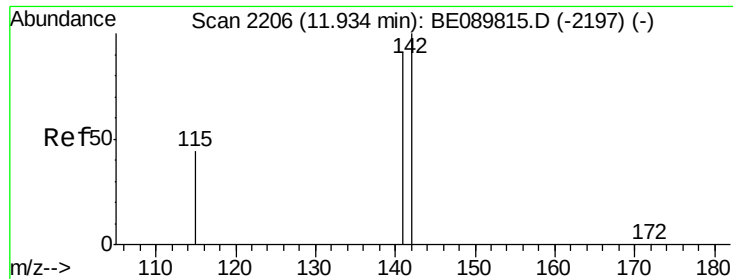


Abundance Ion 128.00 (127.70 to 128.70): BE089815.D (-1865) (-)

Ion 129.00 (128.70 to 129.70): BE089815.D (-1865) (-)

Ion 127.00 (126.70 to 127.70): BE089815.D (-1865) (-)





#7

2-Methylnaphthalene

Concen: 0.17 ng

RT: 11.94 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2

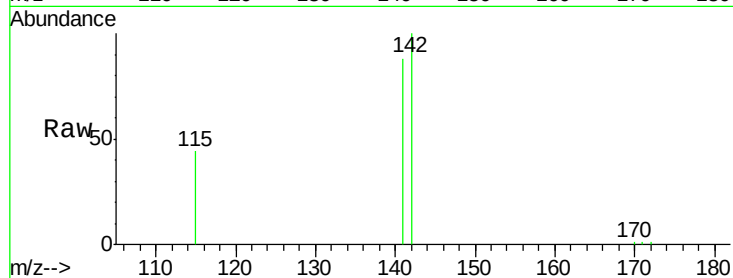
Tgt Ion:142 Resp: 12436

Ion Ratio Lower Upper

142 100

141 88.0 72.8 109.2

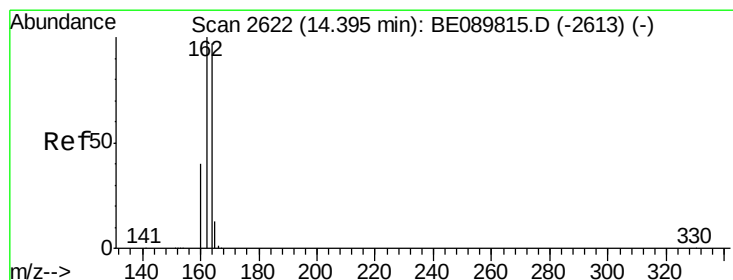
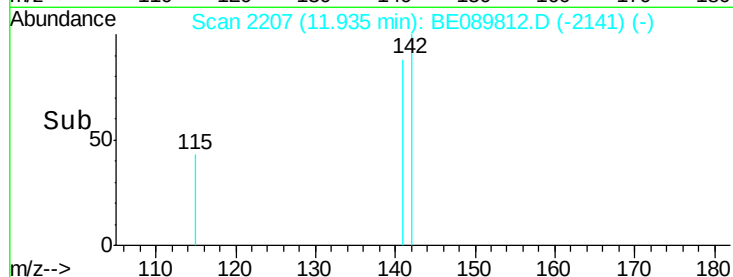
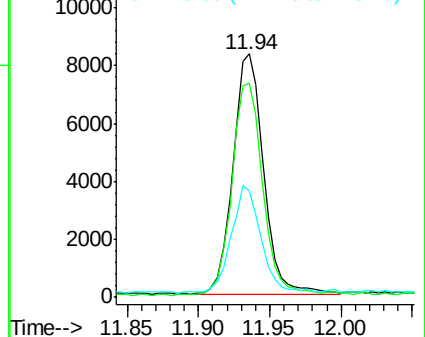
115 44.0 32.9 49.3



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: 14.39 min Scan# 2622

Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

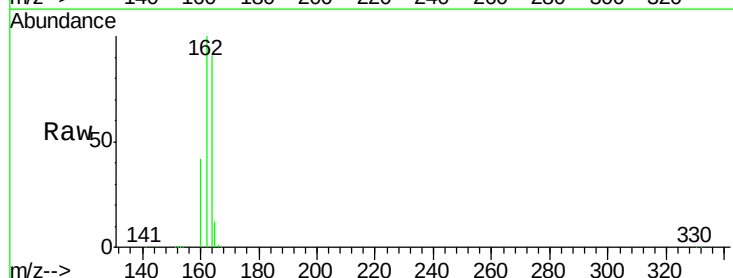
Tgt Ion:164 Resp: 318120

Ion Ratio Lower Upper

164 100

162 109.7 87.6 131.4

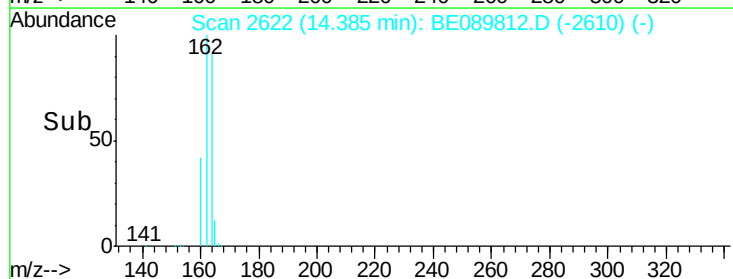
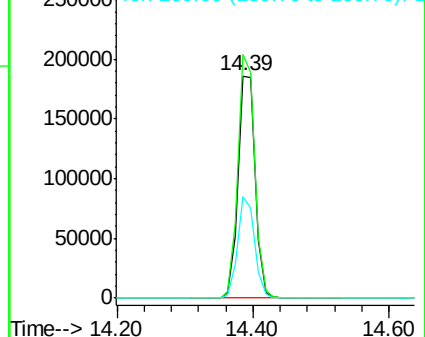
160 46.0 36.7 55.1

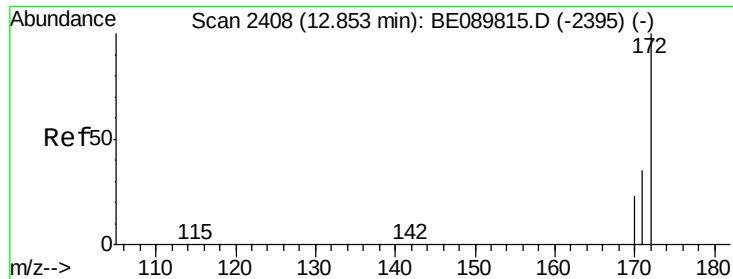


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

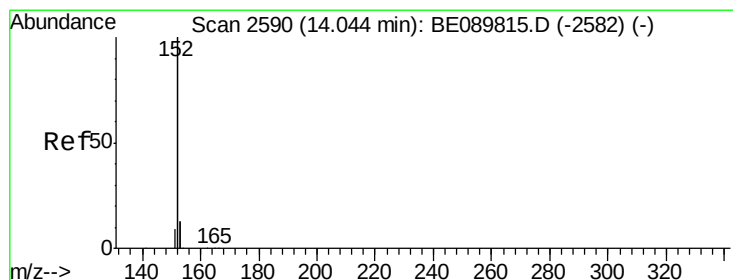
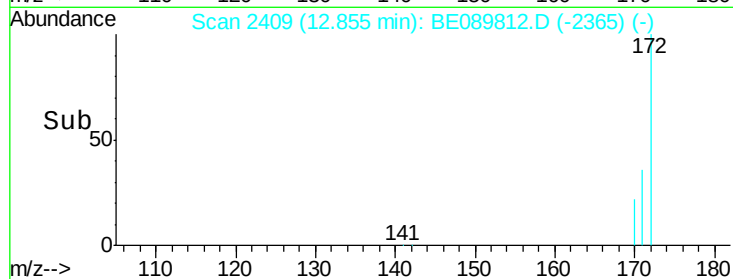
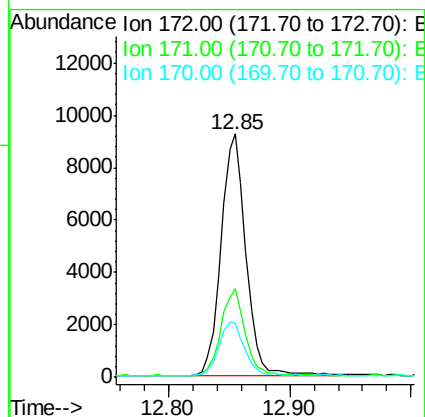
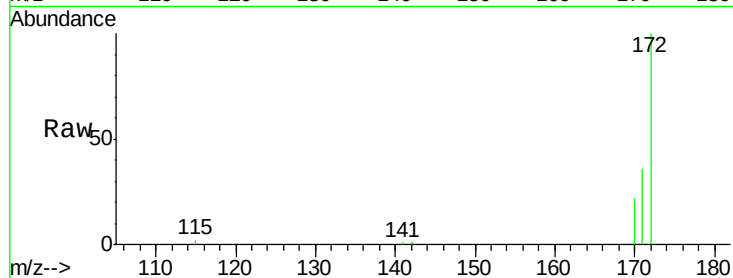




#9
 2-Fluorobiphenyl
 Concen: 0.18 ng
 RT: 12.85 min Scan# 2409
 Delta R.T. 0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

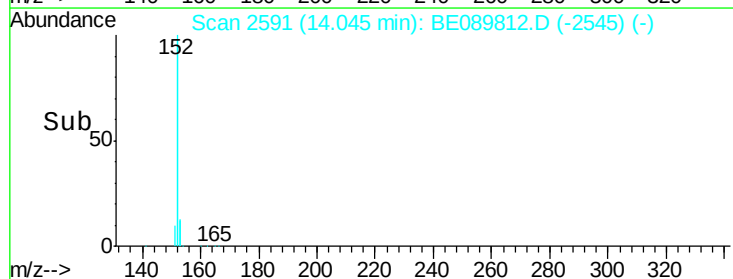
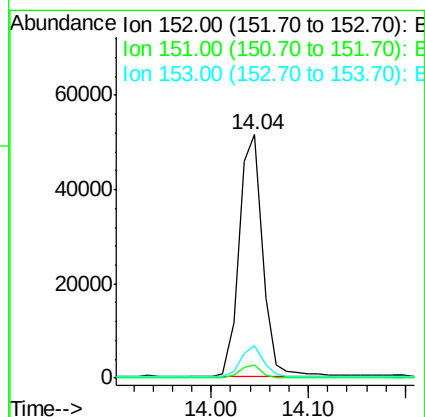
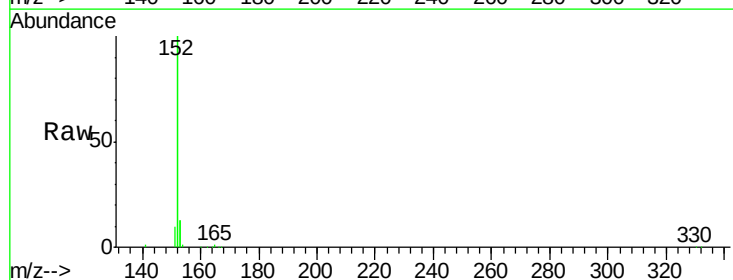
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

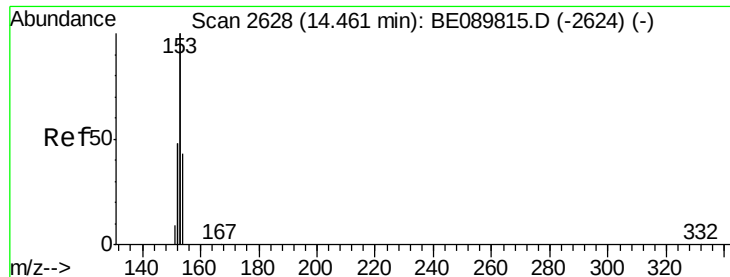
Tgt Ion:172 Resp: 13274
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.8 46.2
 170 22.1 21.0 31.4



#10
 Acenaphthylene
 Concen: 0.19 ng
 RT: 14.04 min Scan# 2591
 Delta R.T. -0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Tgt Ion:152 Resp: 86114
 Ion Ratio Lower Upper
 152 100
 151 5.0 3.9 5.9
 153 12.1 11.0 16.4





#11

Acenaphthene

Concen: 0.20 ng

RT: 14.46 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2

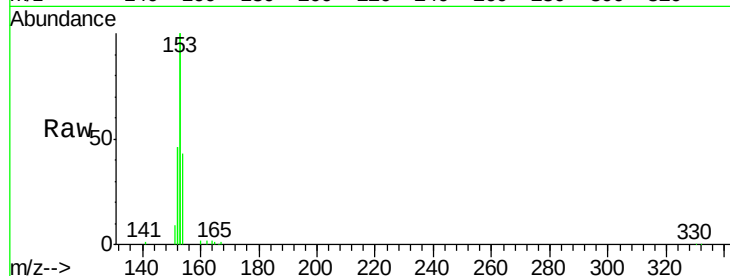
Tgt Ion:154 Resp: 13999

Ion Ratio Lower Upper

154 100

153 464.8 401.5 602.3

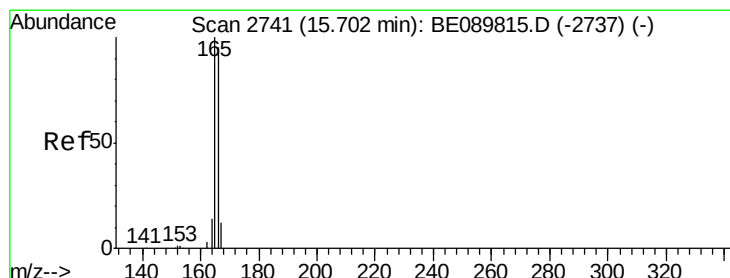
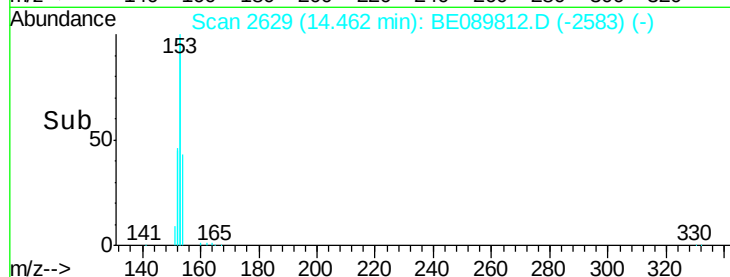
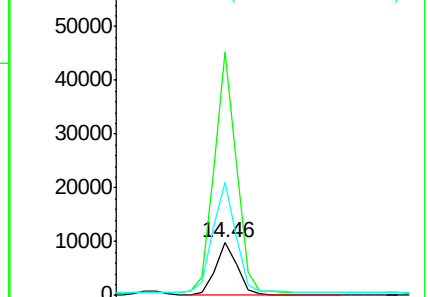
152 227.6 198.6 298.0



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: 0.19 ng

RT: 15.71 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

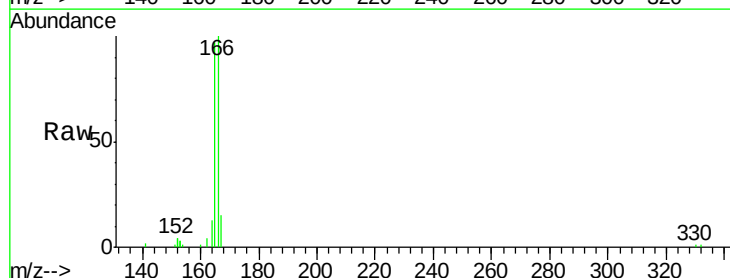
Tgt Ion:166 Resp: 16474

Ion Ratio Lower Upper

166 100

165 100.8 85.1 127.7

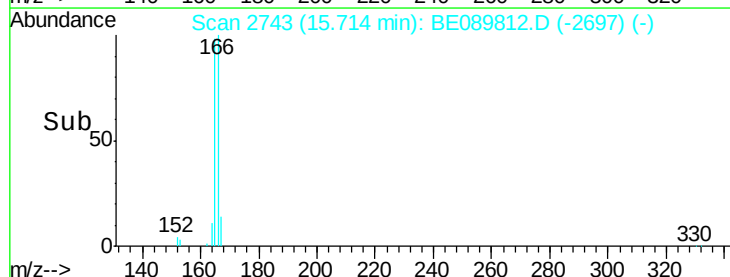
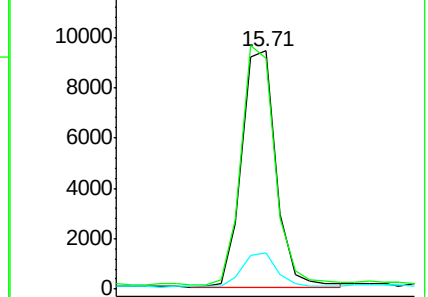
167 14.9 12.2 18.4

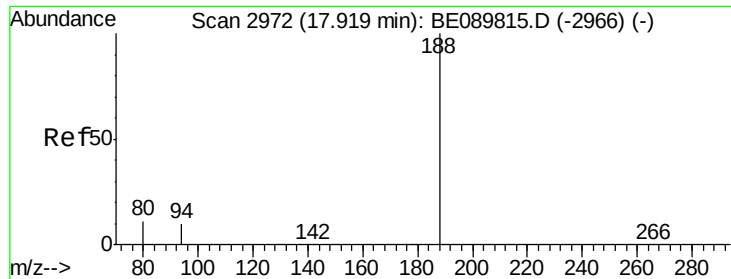


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

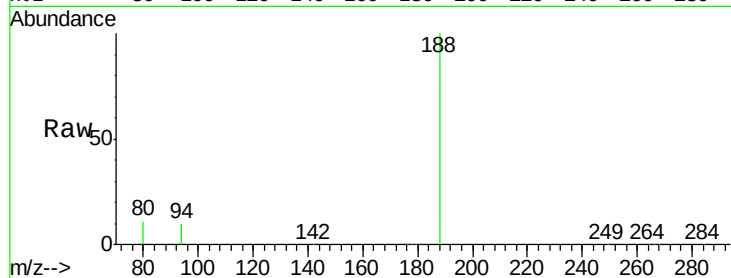




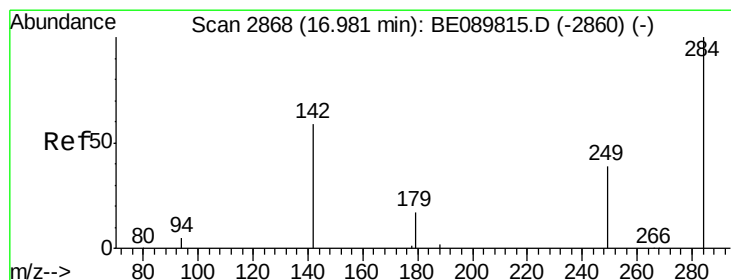
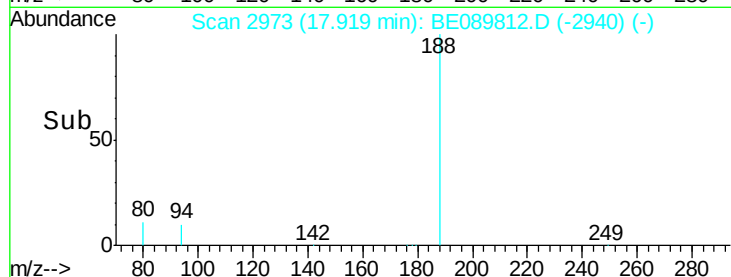
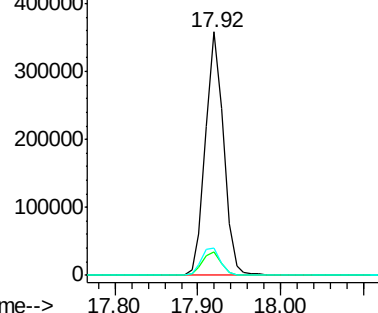
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2973
Delta R.T. 0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion:188 Resp: 538748
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 11.3 10.0 15.0

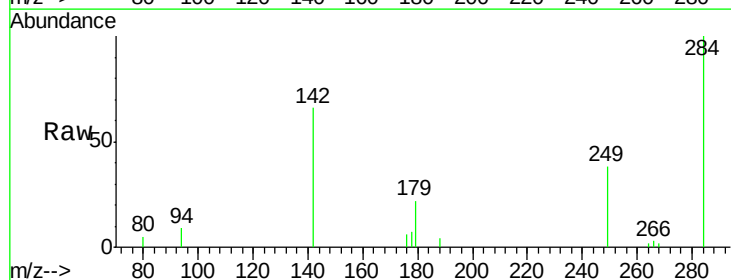


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

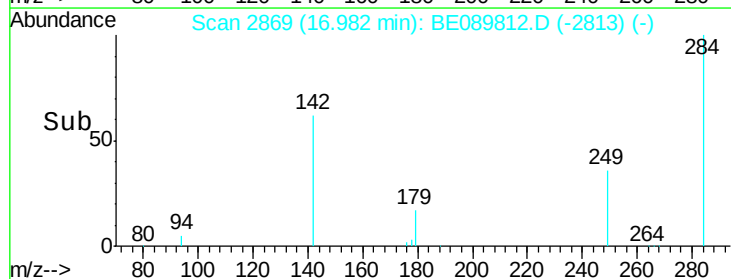
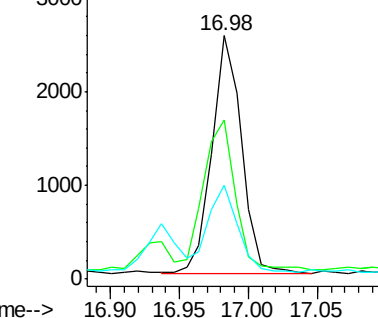


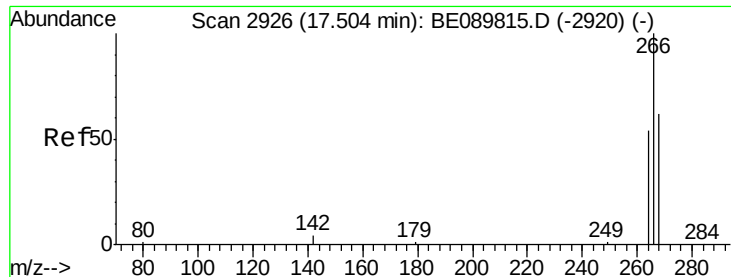
#14
Hexachlorobenzene
Concen: 0.21 ng
RT: 16.98 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Tgt Ion:284 Resp: 3787
Ion Ratio Lower Upper
284 100
142 66.9 53.3 79.9
249 37.2 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

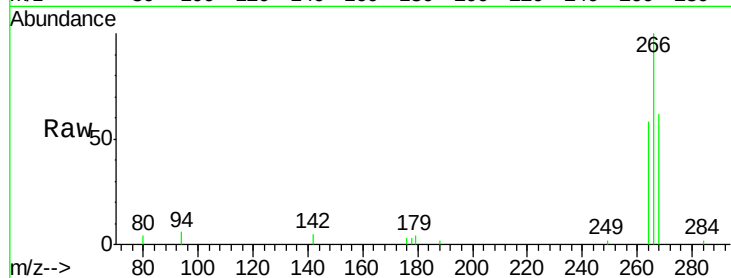




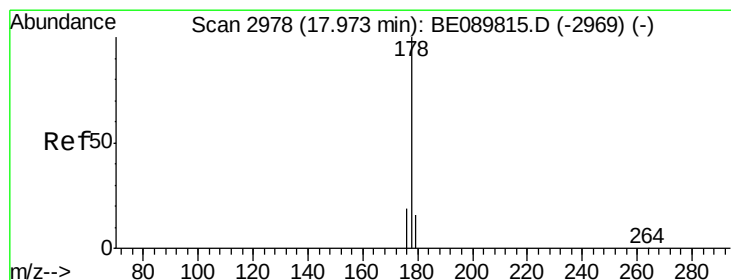
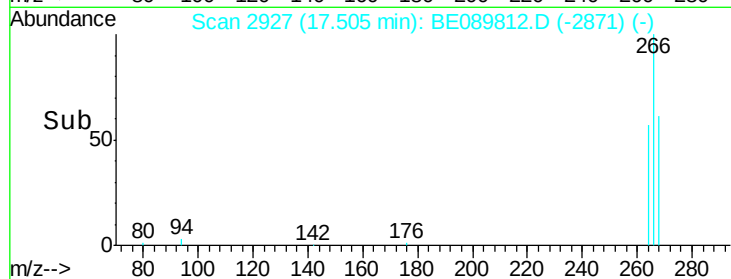
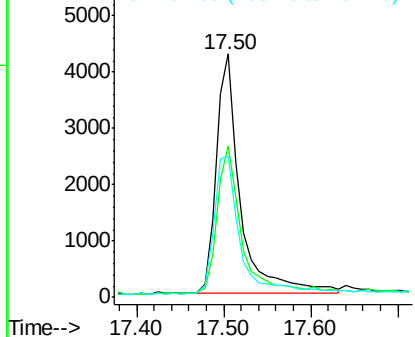
#15
 Pentachlorophenol
 Concen: 1.87 ng
 RT: 17.50 min Scan# 2927
 Delta R.T. 0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion: 266 Resp: 8284
 Ion Ratio Lower Upper
 266 100
 268 62.3 51.6 77.4
 264 57.9 50.2 75.2

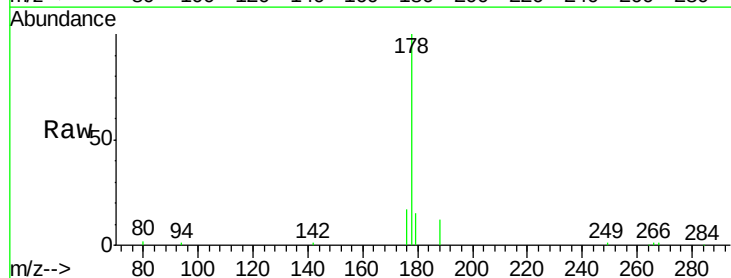


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

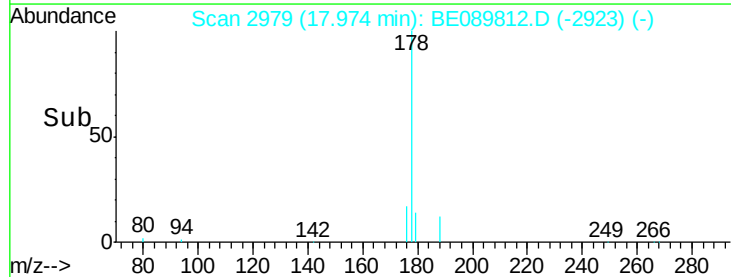
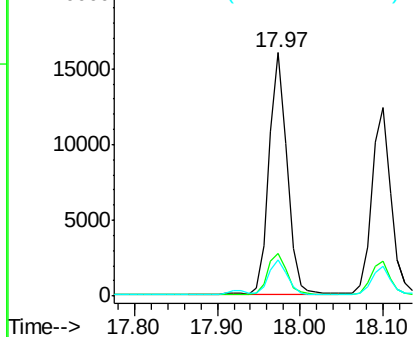


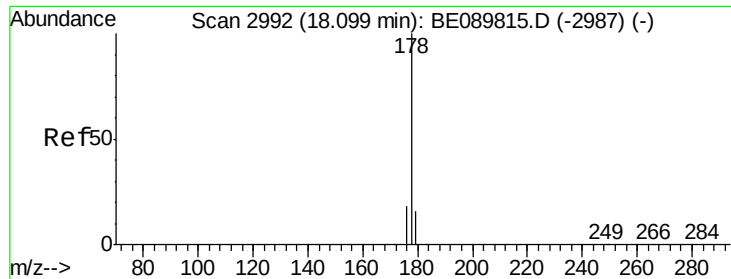
#16
 Phenanthrene
 Concen: 0.21 ng
 RT: 17.97 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Tgt Ion: 178 Resp: 24484
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.0
 179 14.5 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: 0.19 ng

RT: 18.10 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

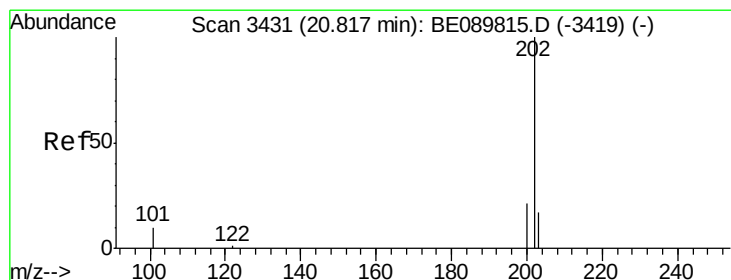
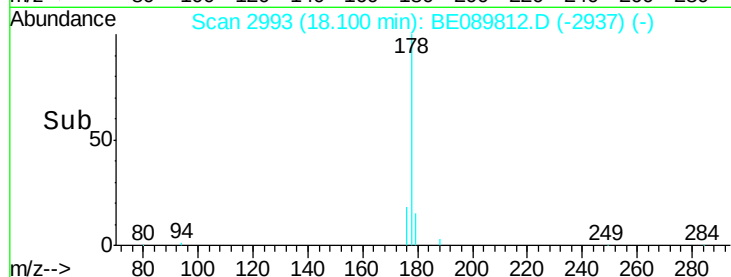
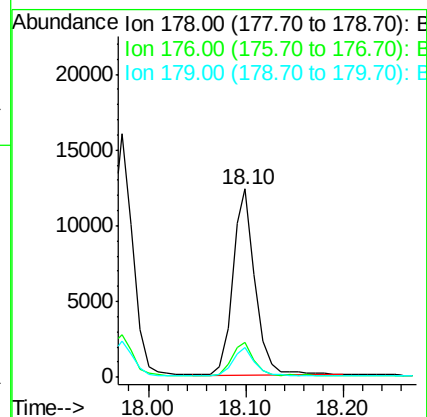
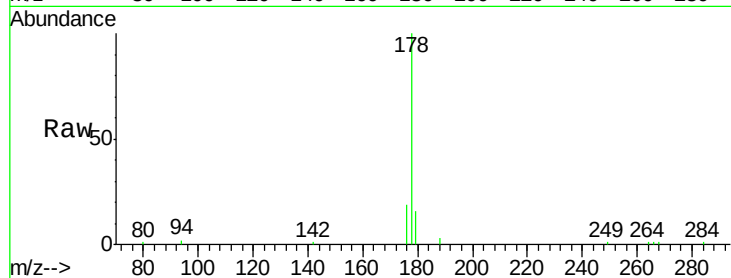
Tgt Ion:178 Resp: 19771

Ion Ratio Lower Upper

178 100

176 17.9 14.6 21.8

179 15.4 12.1 18.1



#18

Fluoranthene

Concen: 0.18 ng

RT: 20.82 min Scan# 3433

Delta R.T. 0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

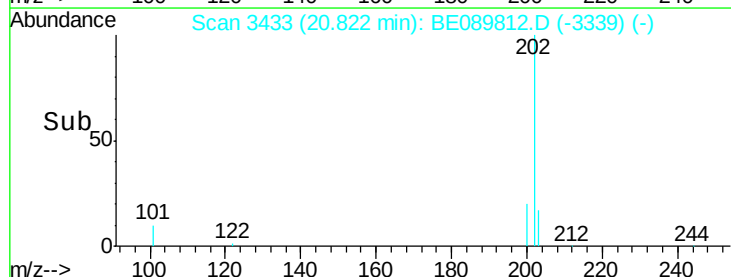
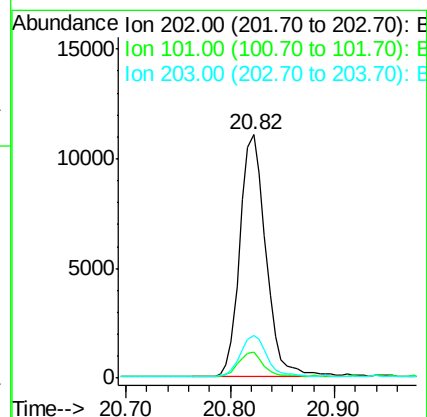
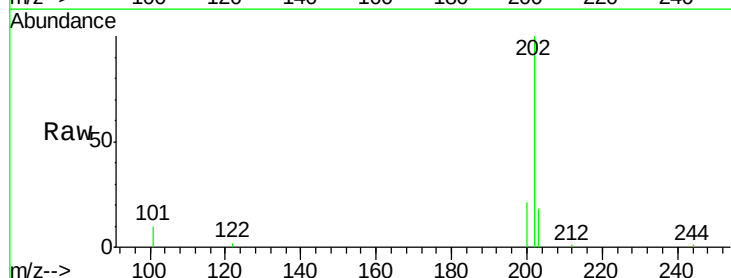
Tgt Ion:202 Resp: 19127

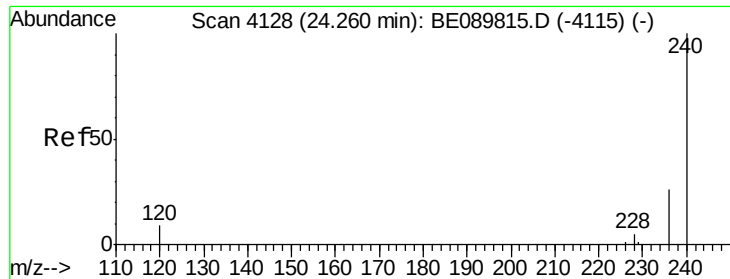
Ion Ratio Lower Upper

202 100

101 9.8 8.2 12.2

203 17.4 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: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

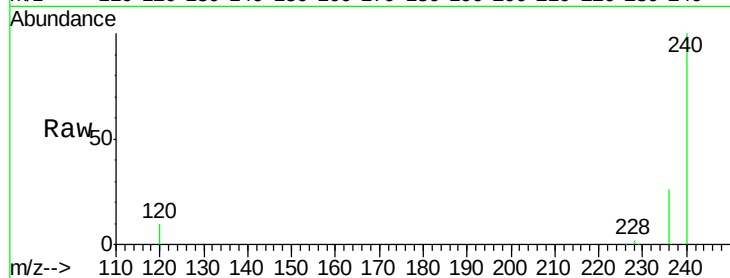
Tgt Ion:240 Resp: 406430

Ion Ratio Lower Upper

240 100

120 9.8 7.5 11.3

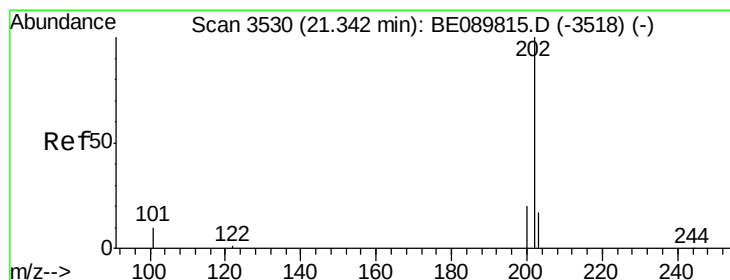
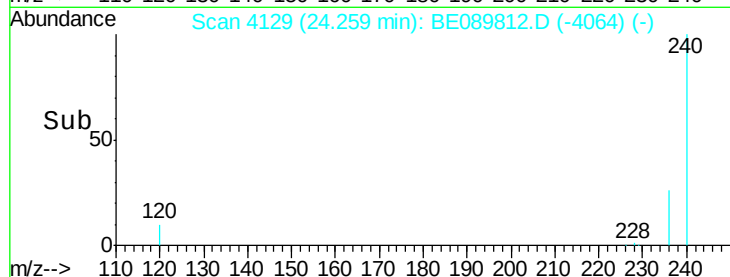
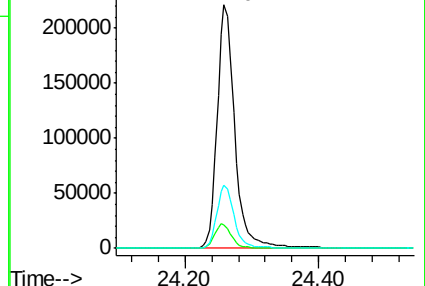
236 25.7 20.5 30.7



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: 0.20 ng

RT: 21.34 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

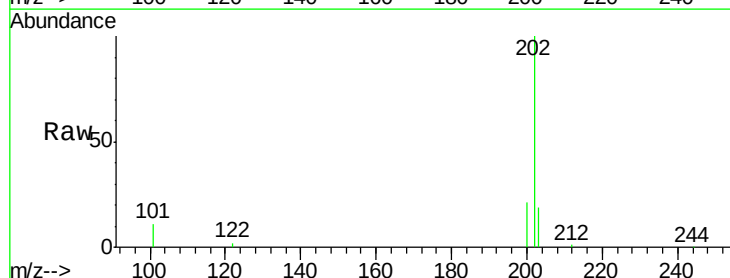
Tgt Ion:202 Resp: 20990

Ion Ratio Lower Upper

202 100

200 20.6 15.9 23.9

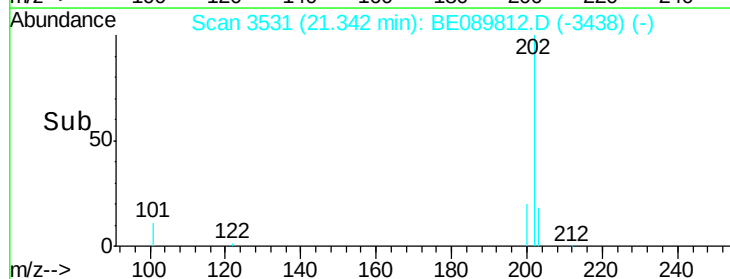
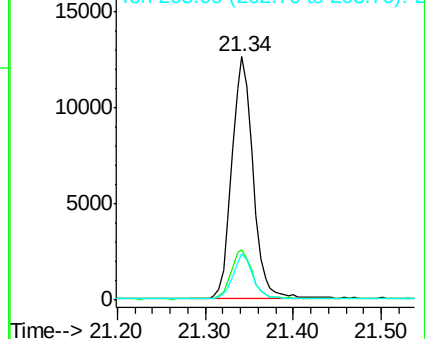
203 17.2 13.6 20.4

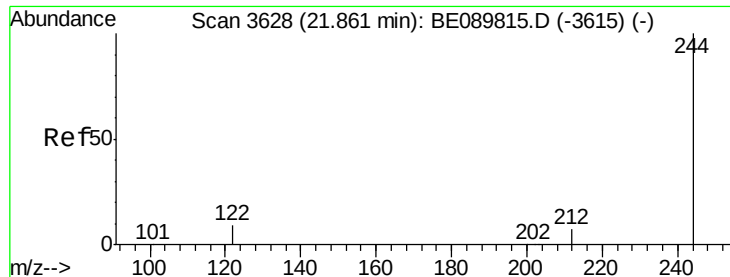


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.20 ng

RT: 21.86 min Scan# 3629

Delta R.T. 0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

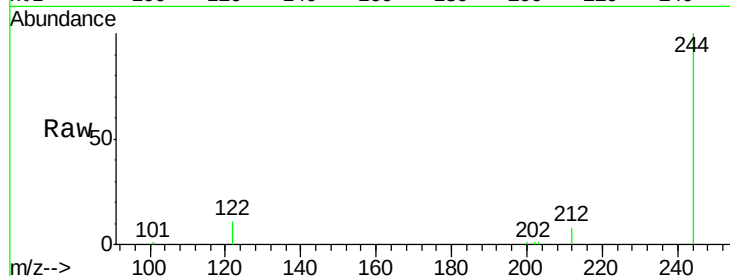
Tgt Ion:244 Resp: 11810

Ion Ratio Lower Upper

244 100

212 7.8 7.3 10.9

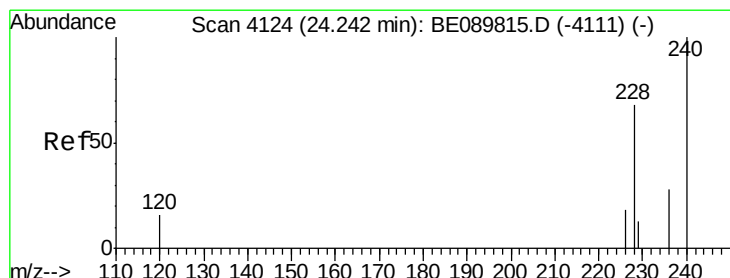
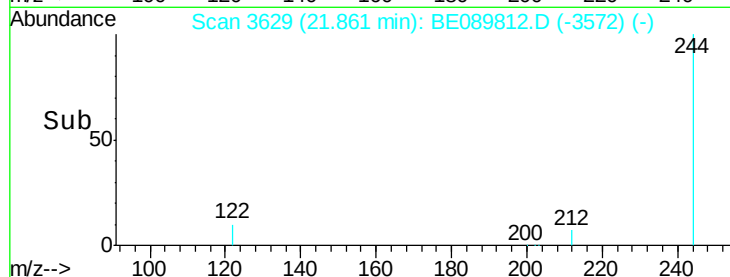
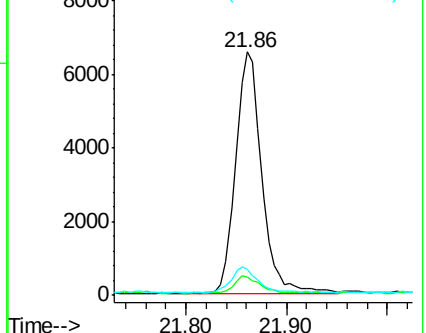
122 10.9 10.5 15.7



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: 0.19 ng

RT: 24.24 min Scan# 4125

Delta R.T. -0.01 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

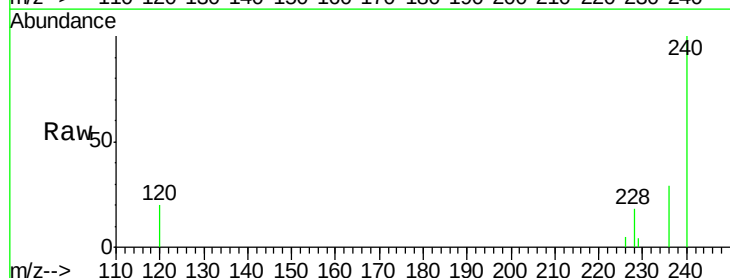
Tgt Ion:228 Resp: 14292

Ion Ratio Lower Upper

228 100

226 25.2 19.8 29.8

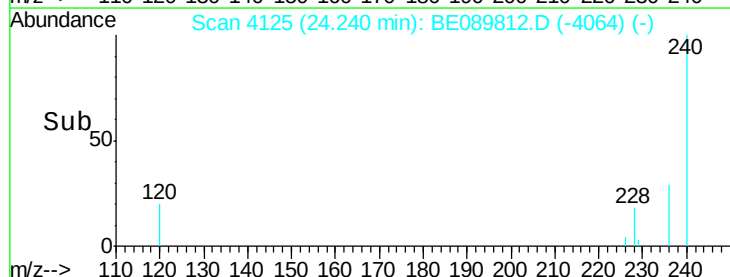
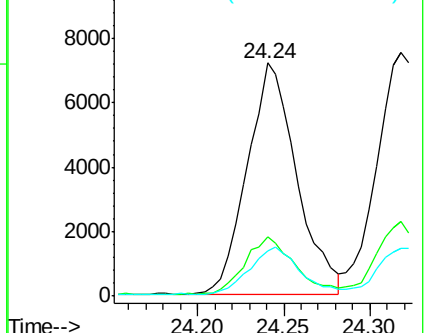
229 19.6 16.3 24.5

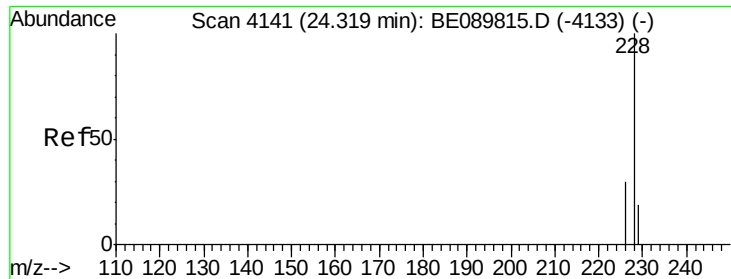


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.20 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

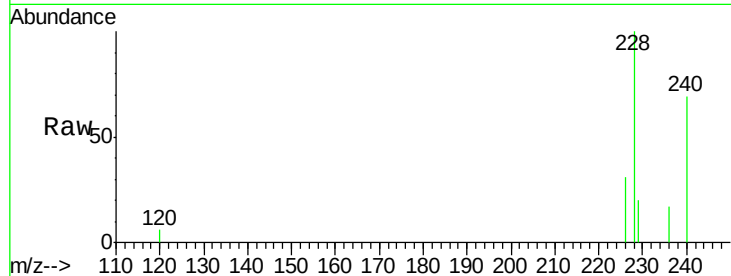
Tgt Ion:228 Resp: 16791

Ion Ratio Lower Upper

228 100

226 30.8 23.0 34.4

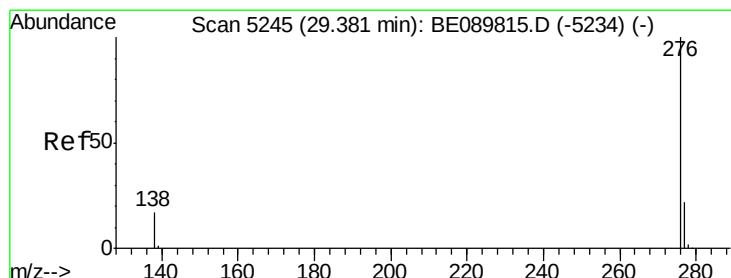
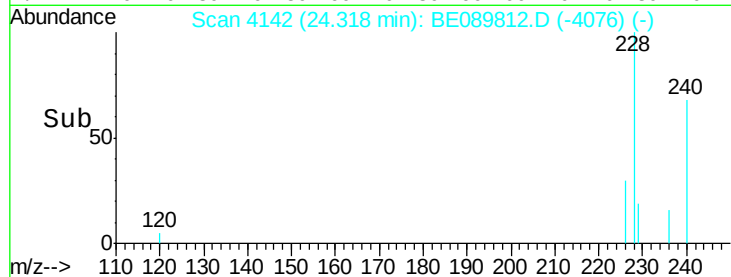
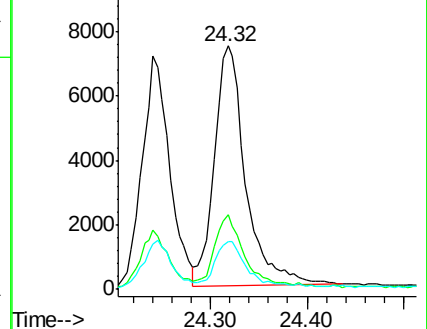
229 19.7 15.8 23.6



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: 0.46 ng

RT: 29.38 min Scan# 5247

Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

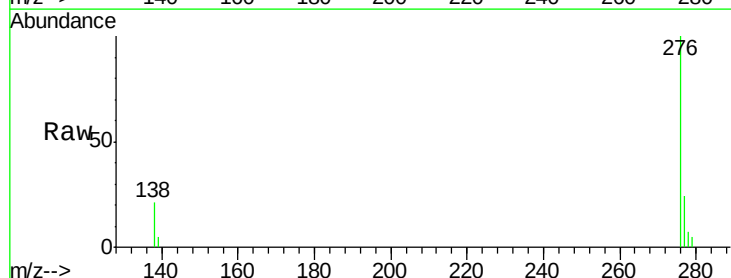
Tgt Ion:276 Resp: 3290

Ion Ratio Lower Upper

276 100

138 18.4 4.3 6.5#

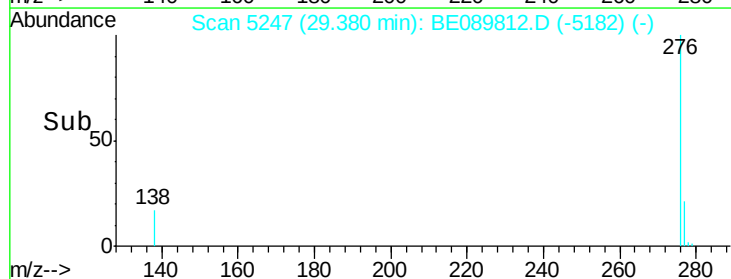
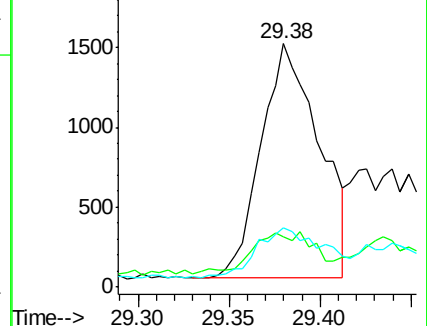
277 24.4 9.0 13.4#

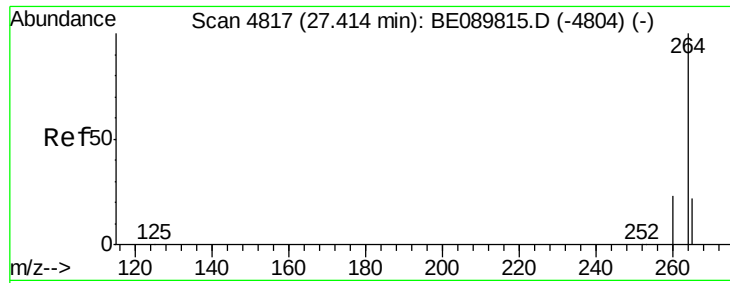


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

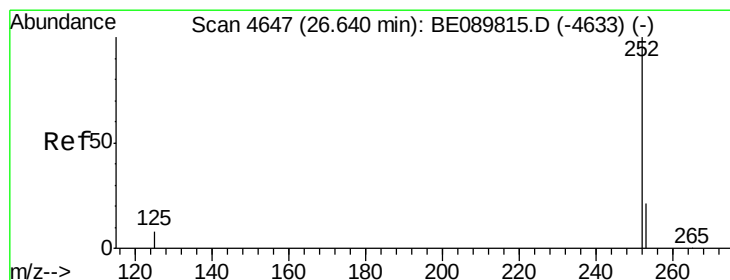
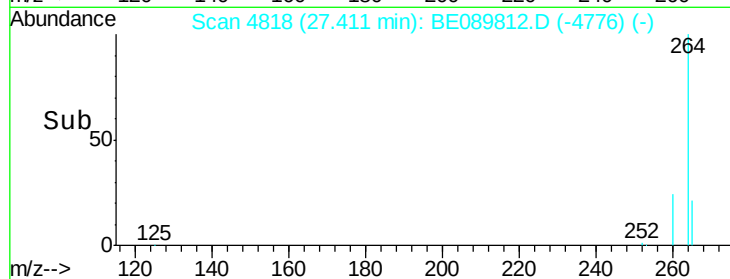
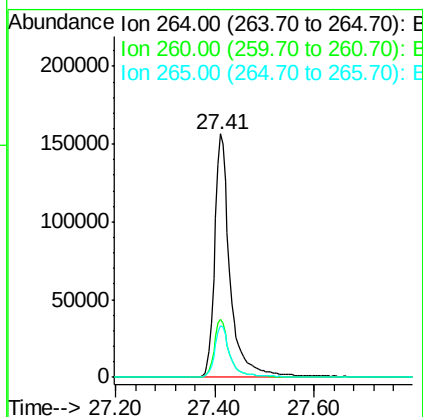
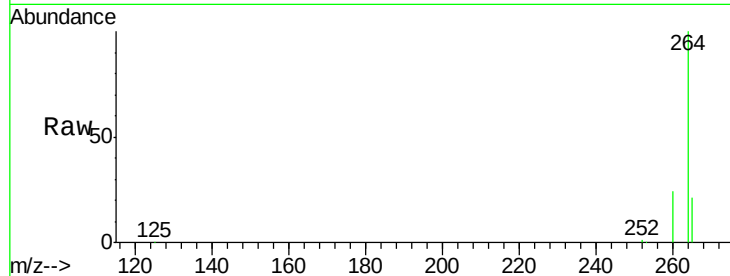




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4818
 Delta R.T. -0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

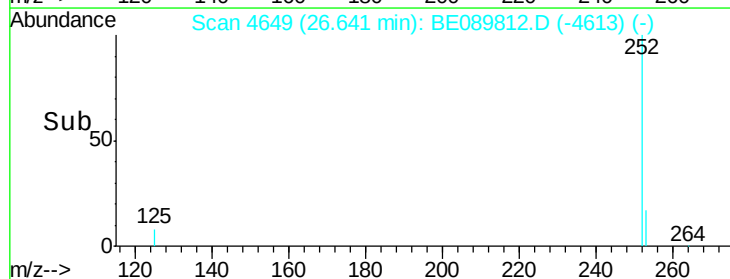
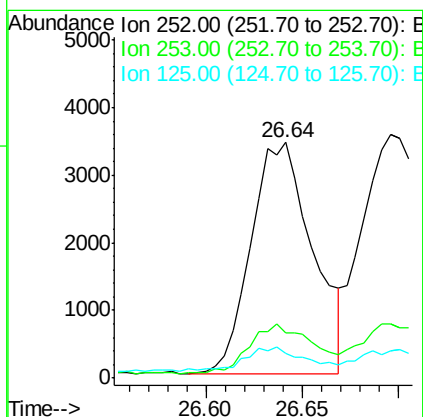
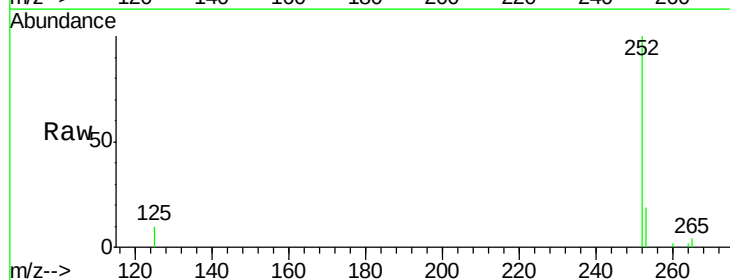
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

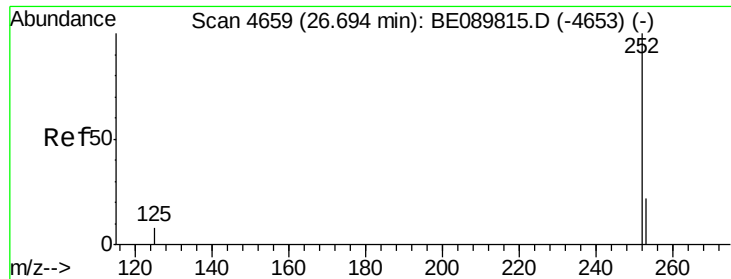
Tgt Ion: 264 Resp: 335643
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.2 27.2
 265 21.4 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 0.41 ng
 RT: 26.64 min Scan# 4649
 Delta R.T. 0.01 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Tgt Ion: 252 Resp: 7588
 Ion Ratio Lower Upper
 252 100
 253 19.1 17.8 26.6
 125 10.5 8.7 13.1

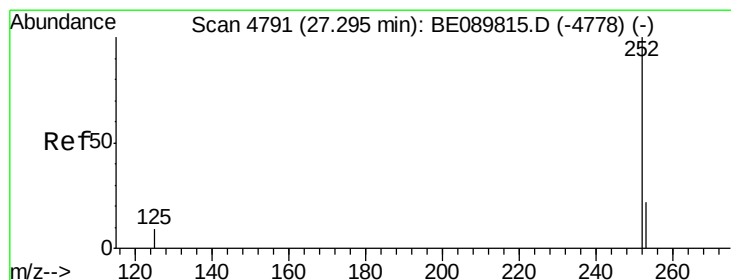
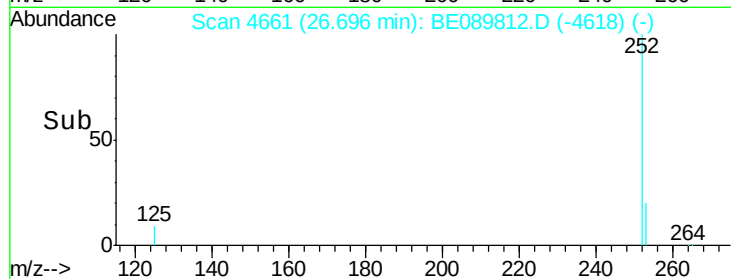
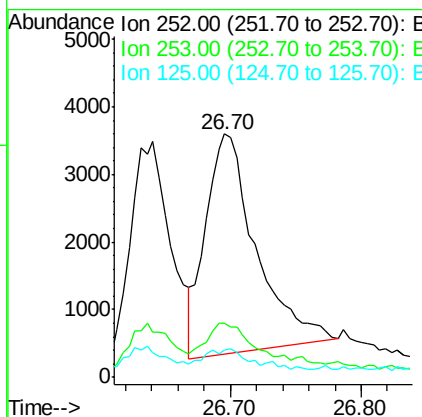
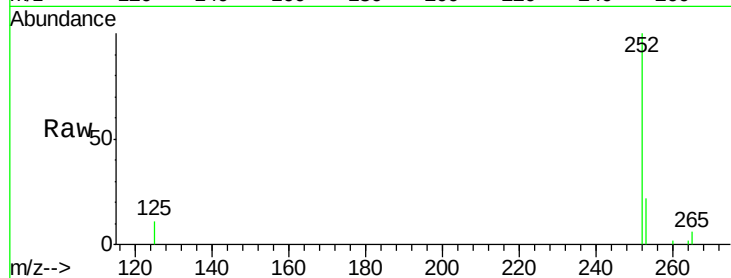




#27
Benzo(k)fluoranthene
Concen: 0.13 ng
RT: 26.70 min Scan# 4661
Delta R.T. -0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

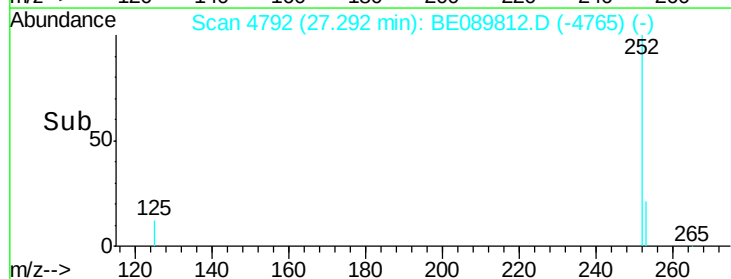
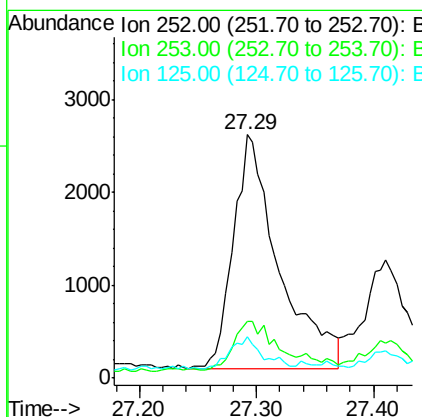
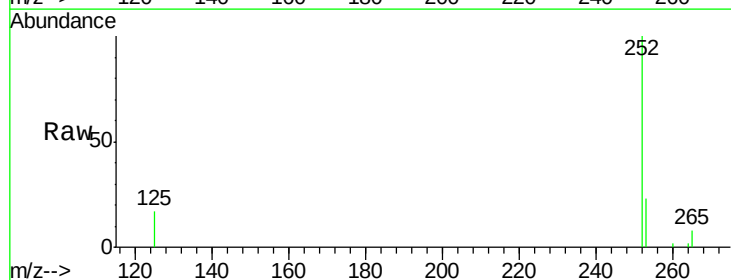
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

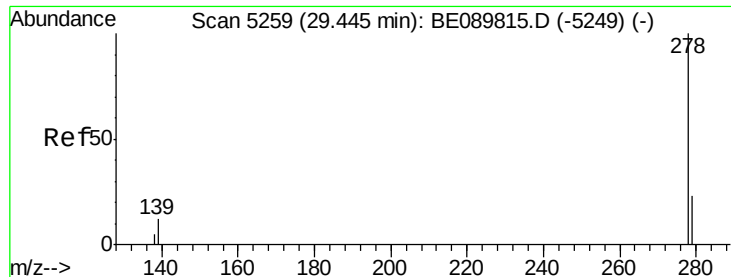
Tgt Ion:252 Resp: 8747
Ion Ratio Lower Upper
252 100
253 22.2 18.6 28.0
125 11.1 10.8 16.2



#28
Benzo(a)pyrene
Concen: 0.39 ng
RT: 27.29 min Scan# 4792
Delta R.T. -0.01 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Tgt Ion:252 Resp: 6869
Ion Ratio Lower Upper
252 100
253 23.2 21.0 31.4
125 16.8 13.3 19.9





#29

Dibenzo(a,h)anthracene

Concen: 0.46 ng

RT: 29.44 min Scan# 5260

Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2

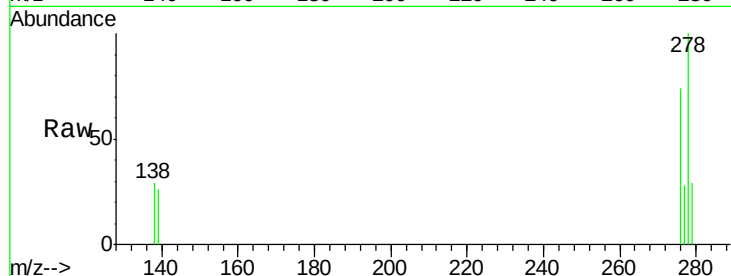
Tgt Ion:278 Resp: 2884

Ion Ratio Lower Upper

278 100

139 25.8 20.0 30.0

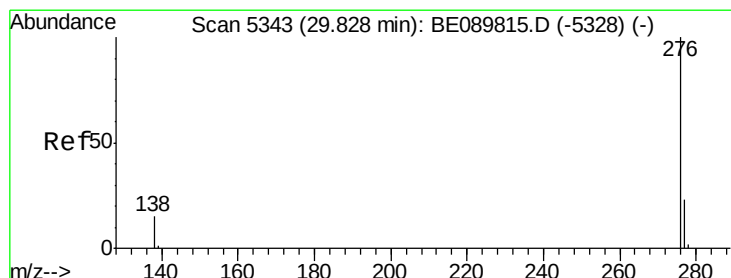
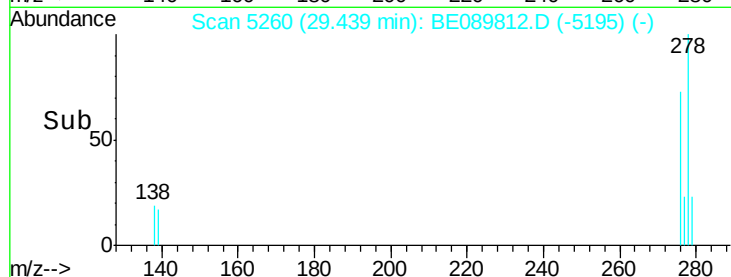
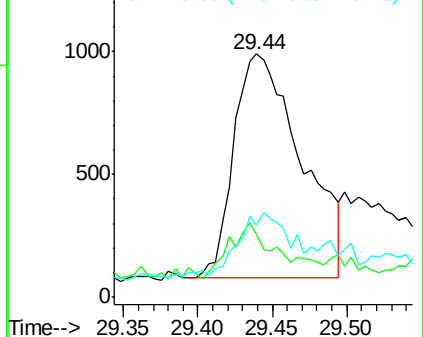
279 29.5 28.9 43.3



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: 0.36 ng

RT: 29.83 min Scan# 5345

Delta R.T. 0.01 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

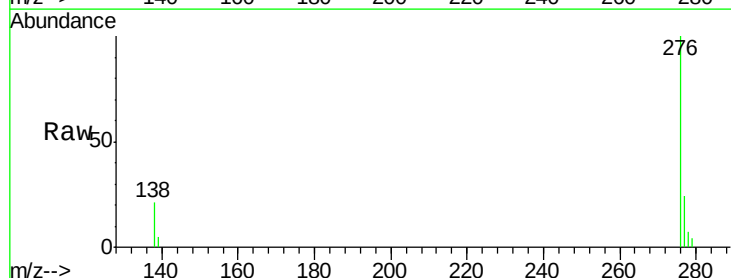
Tgt Ion:276 Resp: 7761

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 21.0 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

