

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089811.D
 Acq On : 24 Mar 2015 12:08
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Quant Time: Mar 24 18:24:39 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

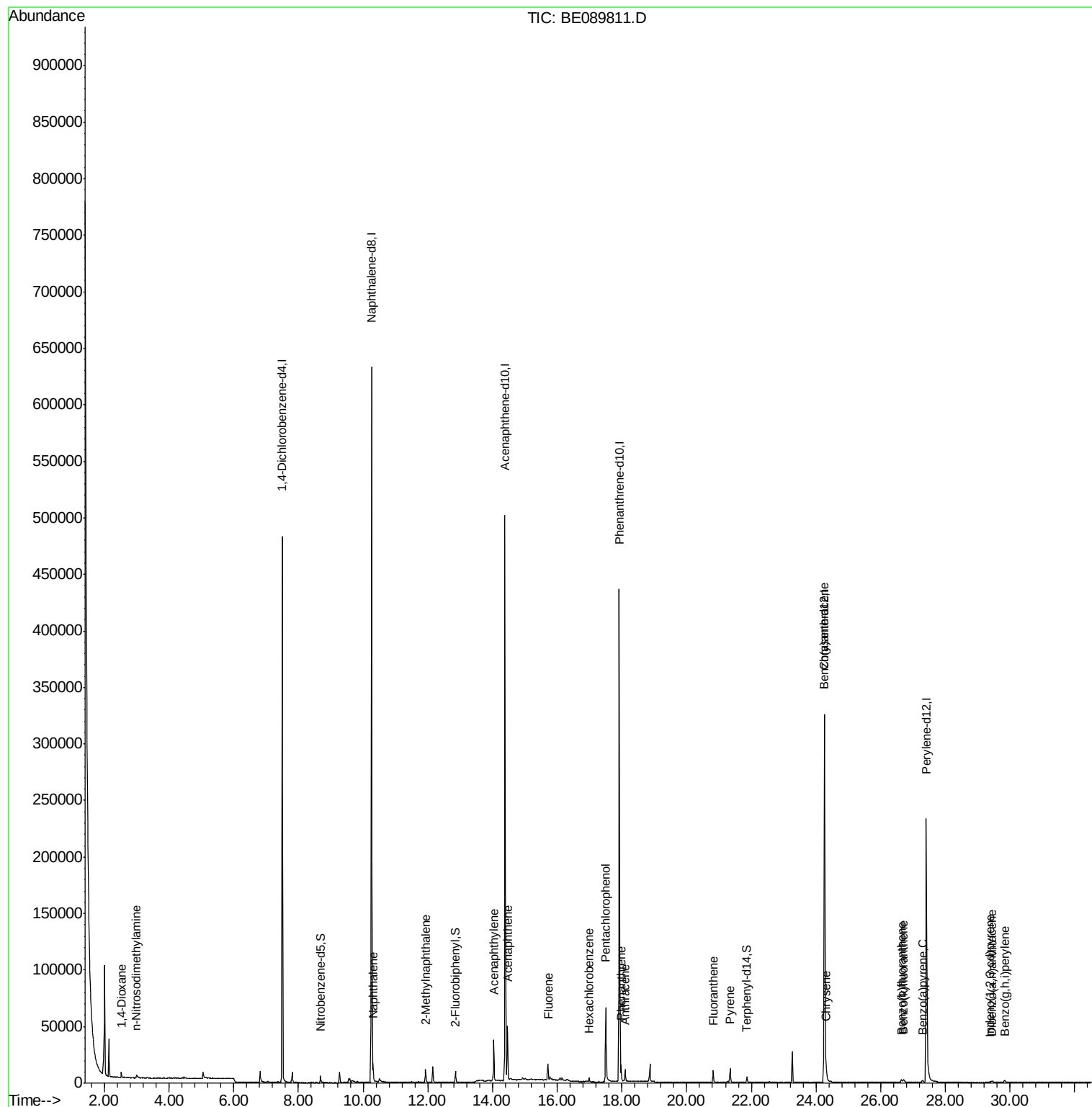
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	192822	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	735278	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	322982	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	542860	5.00	ng	0.00
19) Chrysene-d12	24.26	240	422986	5.00	ng	0.00
25) Perylene-d12	27.41	264	344095	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	5277	0.35	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	9762	0.13	ng	0.00
21) Terphenyl-d14	21.86	244	7865	0.13	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.52	88	3608	0.14	ng	100
3) n-Nitrosodimethylamine	2.99	42	3657	0.10	ng	100
6) Naphthalene	10.31	128	17761	0.12	ng	100
7) 2-Methylnaphthalene	11.94	142	7784	0.10	ng	100
10) Acenaphthylene	14.04	152	54491	0.12	ng	100
11) Acenaphthene	14.46	154	8840	0.12	ng	100
12) Fluorene	15.71	166	10510	0.12	ng	100
14) Hexachlorobenzene	16.98	284	2328	0.13	ng	100
15) Pentachlorophenol	17.50	266	54640	8.31	ng	100
16) Phenanthrene	17.97	178	15448	0.13	ng	100
17) Anthracene	18.10	178	12786	0.12	ng	100
18) Fluoranthene	20.82	202	12244	0.11	ng	100
20) Pyrene	21.35	202	14532	0.14	ng	100
22) Benzo(a)anthracene	24.25	228	9778	0.12	ng	100
23) Chrysene	24.32	228	9874	0.11	ng	100
24) Indeno(1,2,3-cd)pyrene	29.38	276	2408	0.45	ng	# 85
26) Benzo(b)fluoranthene	26.64	252	4798	0.37	ng	100
27) Benzo(k)fluoranthene	26.70	252	5455	0.08	ng	100
28) Benzo(a)pyrene	27.30	252	4397	0.36	ng	100
29) Dibenzo(a,h)anthracene	29.44	278	2033	0.44	ng	100
30) Benzo(g,h,i)perylene	29.82	276	4293	0.31	ng	100

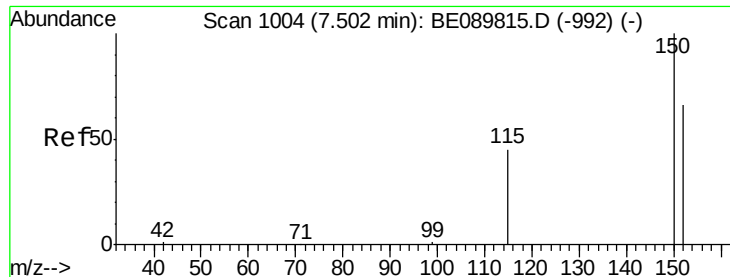
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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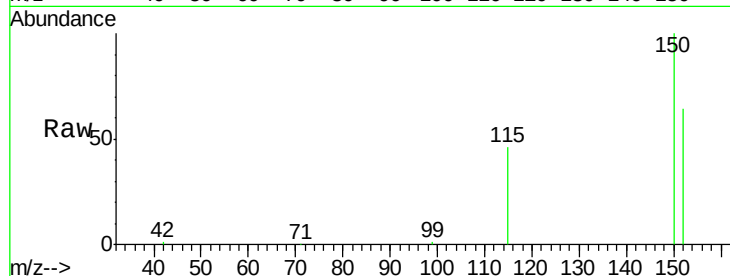




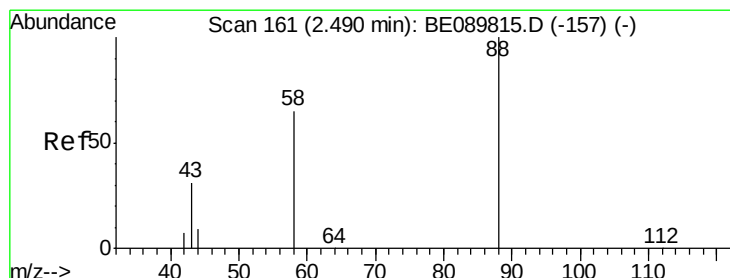
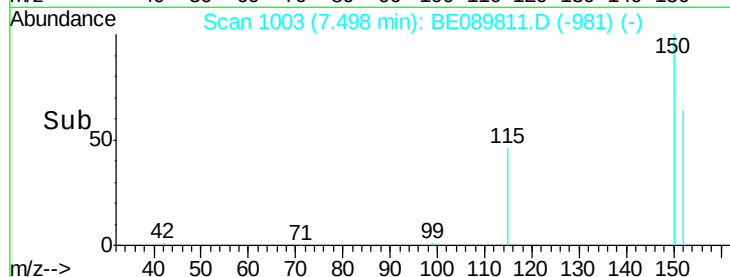
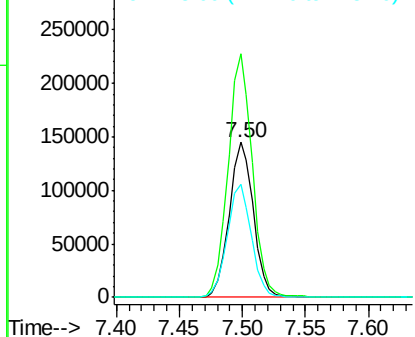
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion: 152 Resp: 192822
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.5 188.3
 115 72.5 58.0 87.0

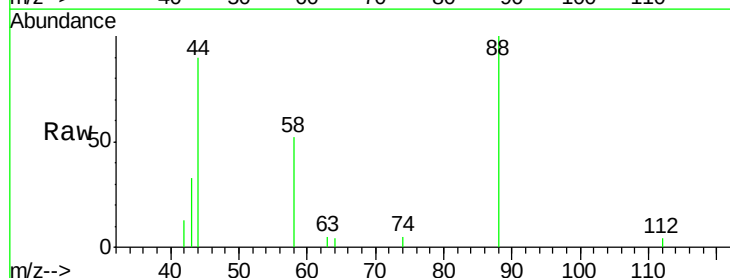


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

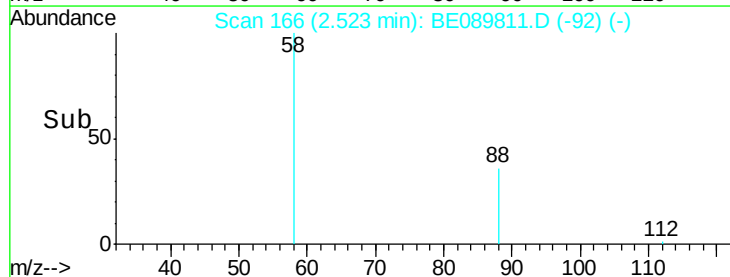
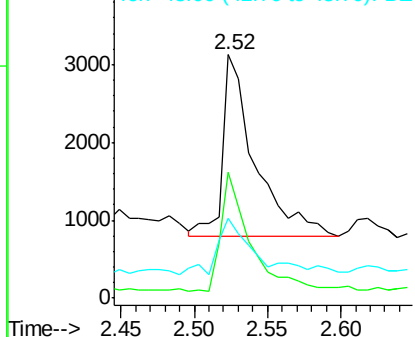


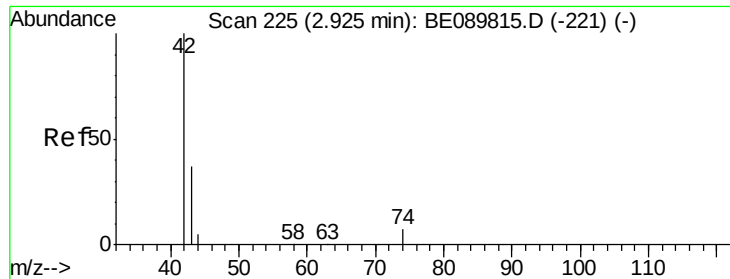
#2
 1,4-Dioxane
 Concen: 0.14 ng
 RT: 2.52 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

Tgt Ion: 88 Resp: 3608
 Ion Ratio Lower Upper
 88 100
 58 60.7 48.6 72.8
 43 35.8 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: 0.10 ng

RT: 2.99 min Scan# 235

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

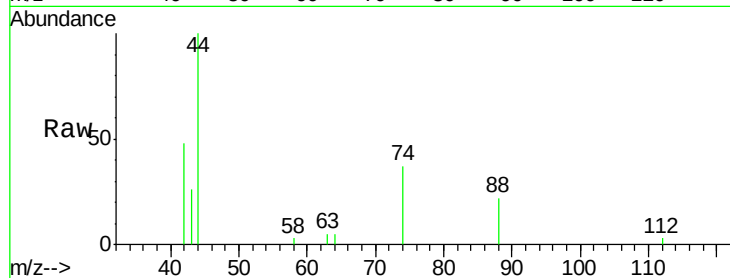
Tgt Ion: 42 Resp: 3657

Ion Ratio Lower Upper

42 100

74 85.9 68.7 103.1

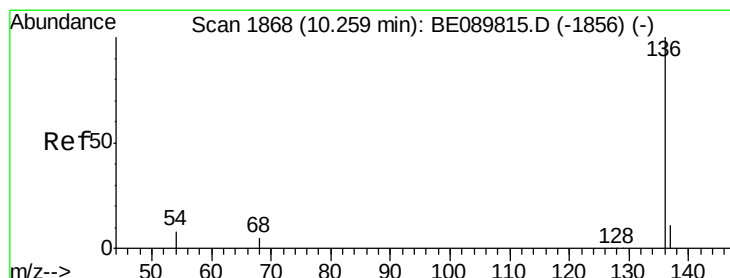
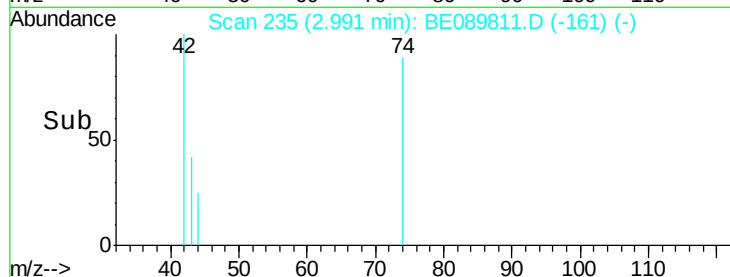
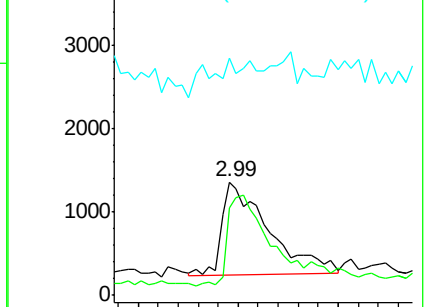
44 7.8 6.2 9.4



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: BE089811.D

Acq: 24 Mar 2015 12:08

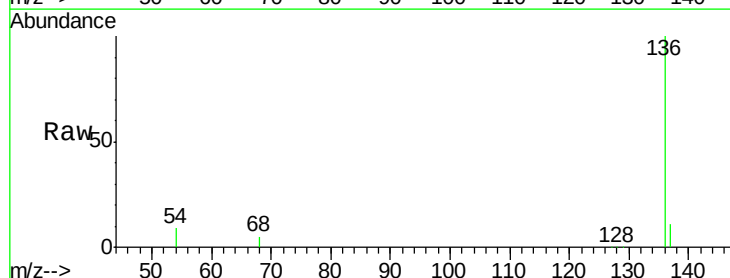
Tgt Ion: 136 Resp: 735278

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

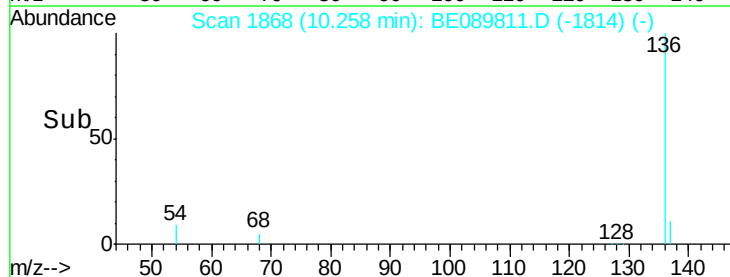
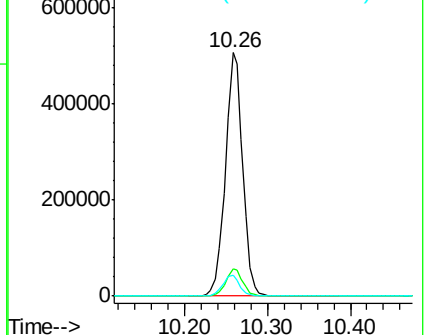
54 8.7 7.0 10.4

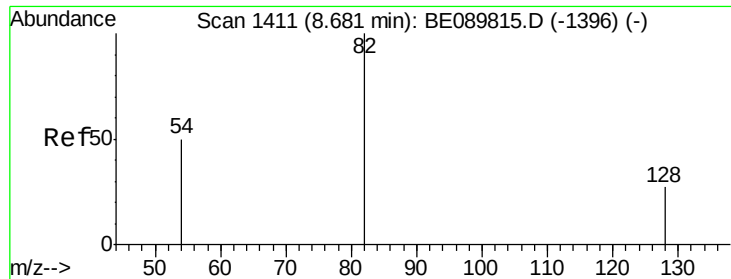


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.35 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

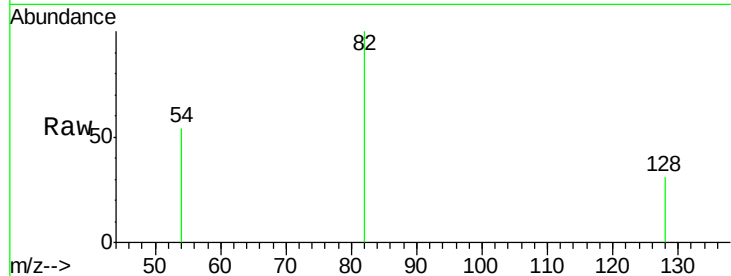
Tgt Ion: 82 Resp: 5277

Ion Ratio Lower Upper

82 100

128 30.8 24.6 37.0

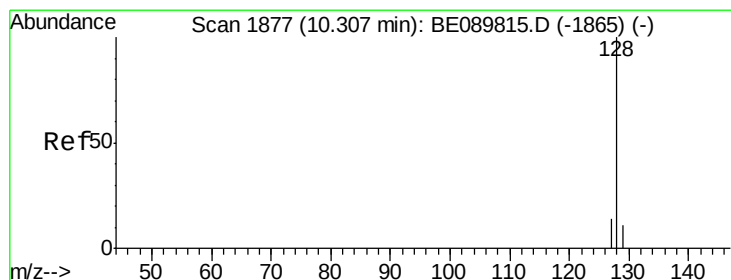
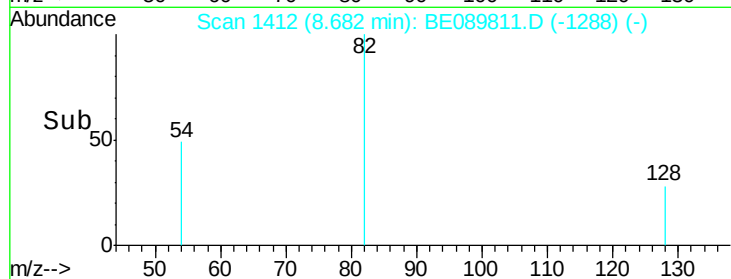
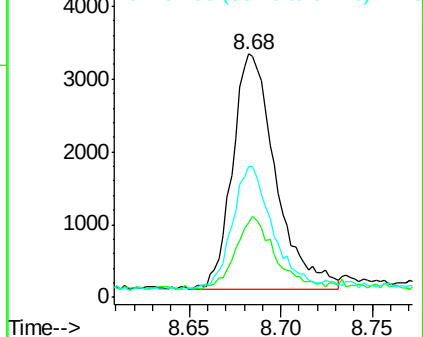
54 53.8 43.0 64.6



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: 0.12 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

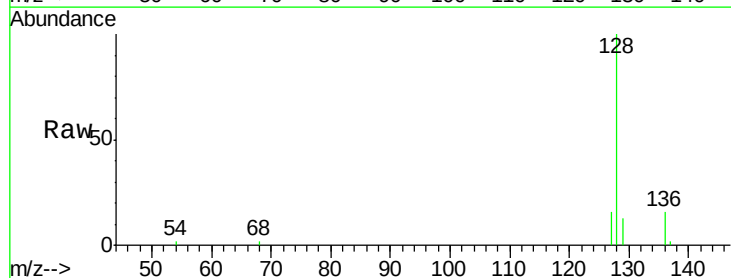
Tgt Ion: 128 Resp: 17761

Ion Ratio Lower Upper

128 100

129 12.5 10.0 15.0

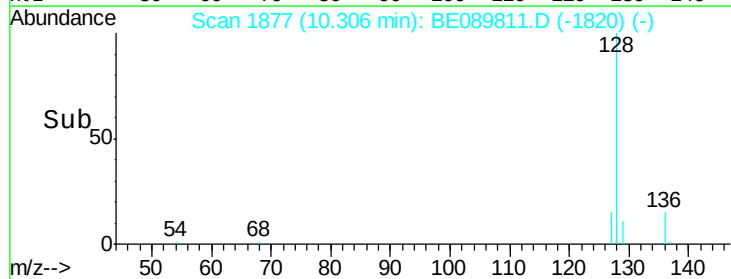
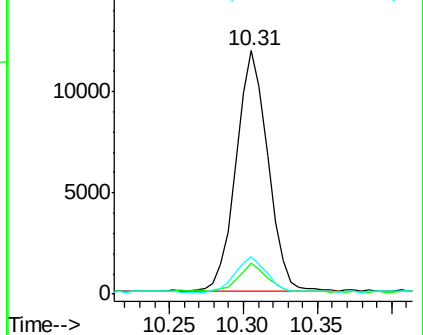
127 15.6 12.5 18.7

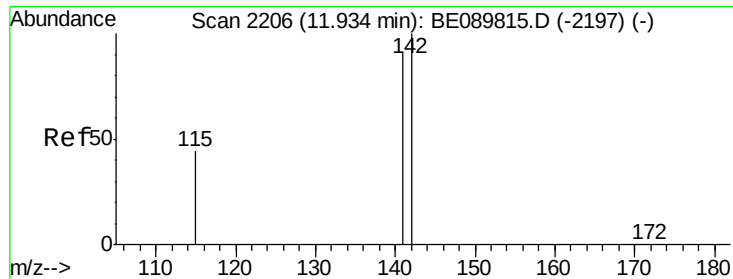


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.10 ng

RT: 11.94 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

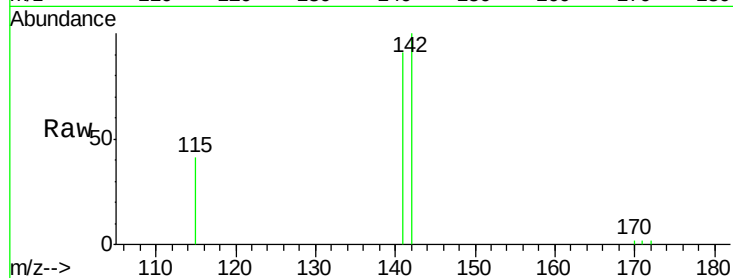
Tgt Ion:142 Resp: 7784

Ion Ratio Lower Upper

142 100

141 91.0 72.8 109.2

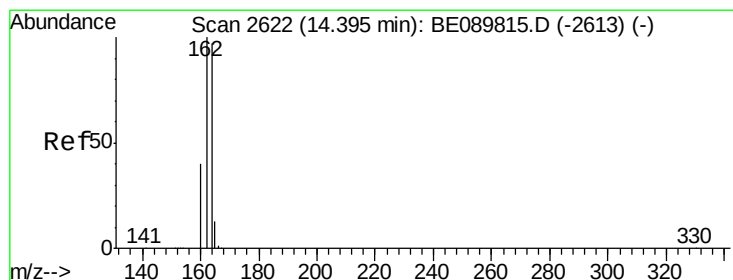
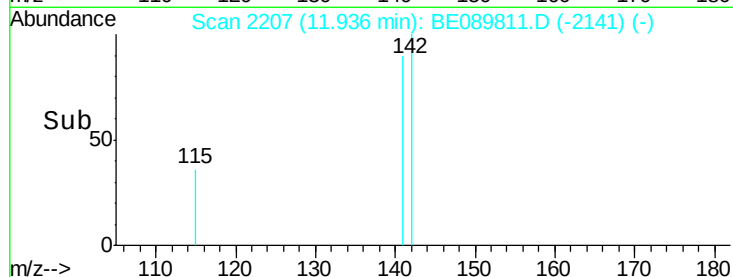
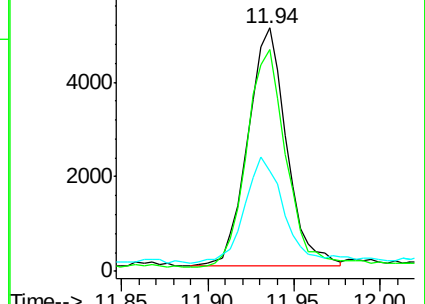
115 41.1 32.9 49.3



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: BE089811.D

Acq: 24 Mar 2015 12:08

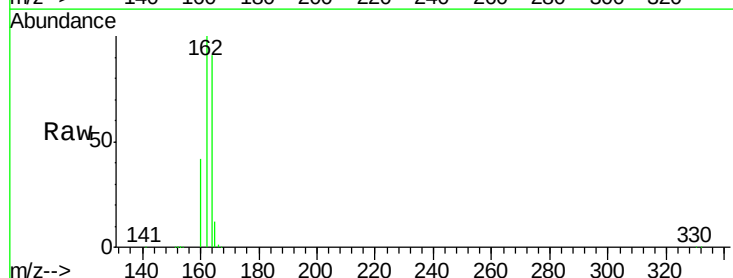
Tgt Ion:164 Resp: 322982

Ion Ratio Lower Upper

164 100

162 109.5 87.6 131.4

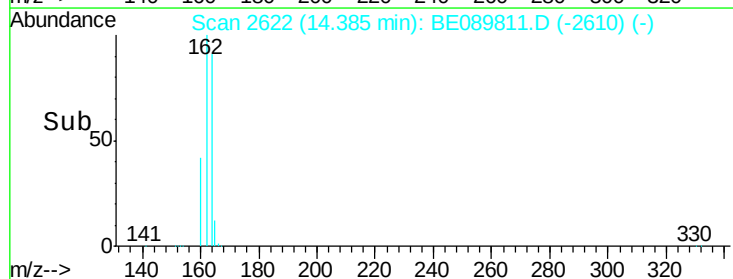
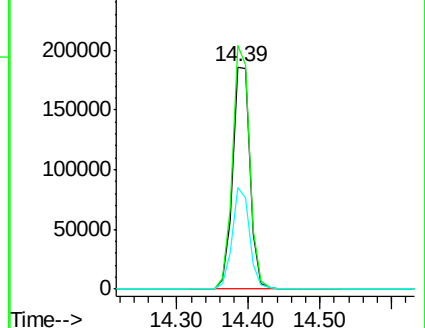
160 45.9 36.7 55.1

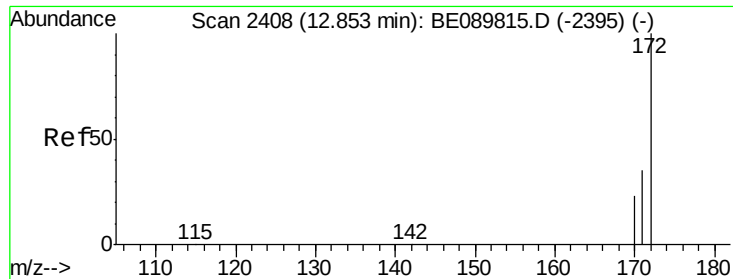


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

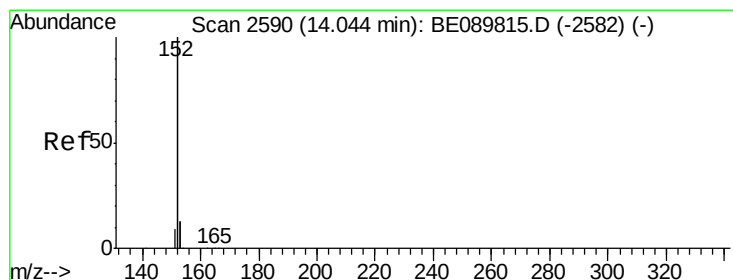
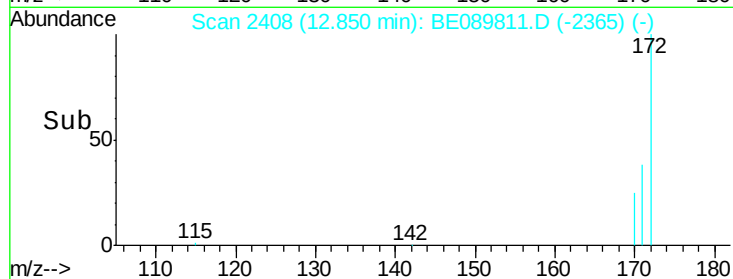
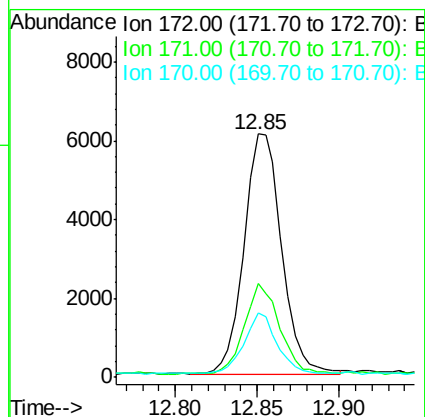
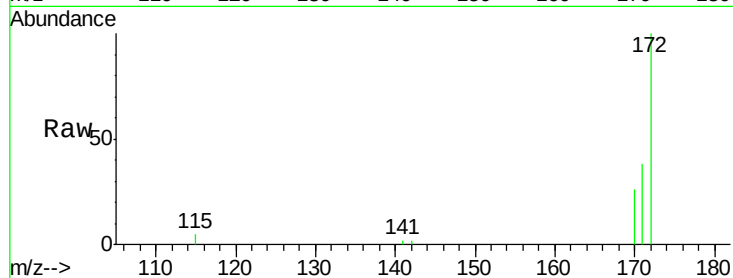




#9
2-Fluorobiphenyl
Concen: 0.13 ng
RT: 12.85 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

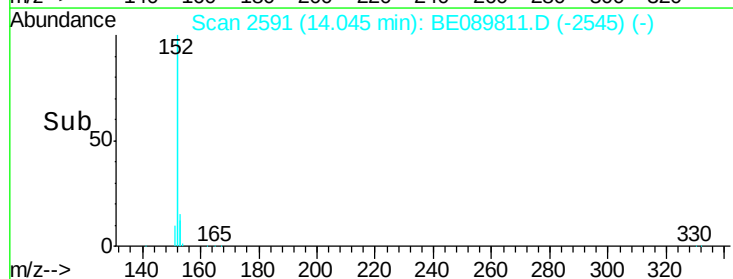
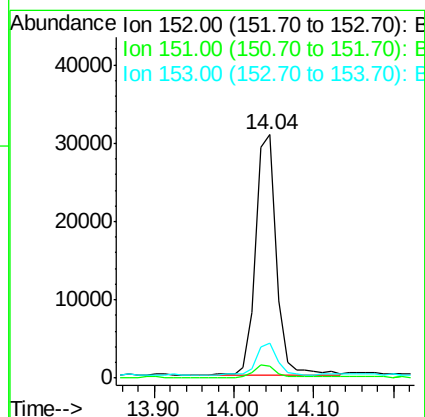
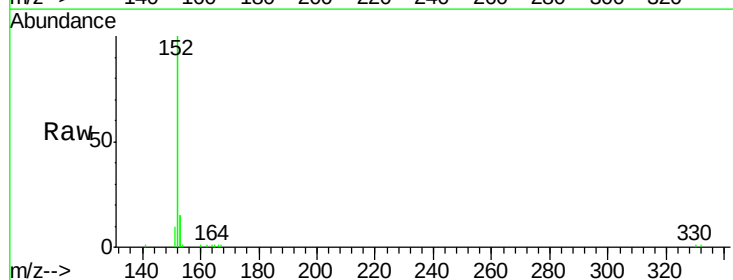
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

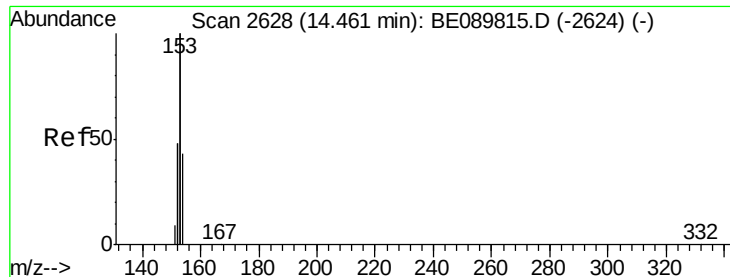
Tgt Ion:172 Resp: 9762
Ion Ratio Lower Upper
172 100
171 38.5 30.8 46.2
170 26.2 21.0 31.4



#10
Acenaphthylene
Concen: 0.12 ng
RT: 14.04 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Tgt Ion:152 Resp: 54491
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 13.7 11.0 16.4





#11

Acenaphthene

Concen: 0.12 ng

RT: 14.46 min Scan# 2629

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

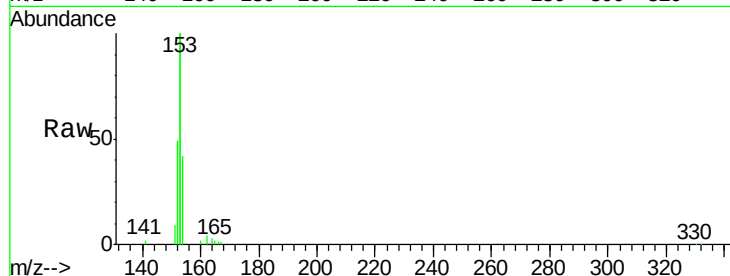
Tgt Ion:154 Resp: 8840

Ion Ratio Lower Upper

154 100

153 501.9 401.5 602.3

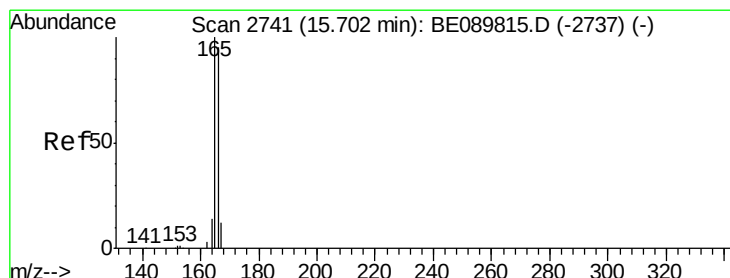
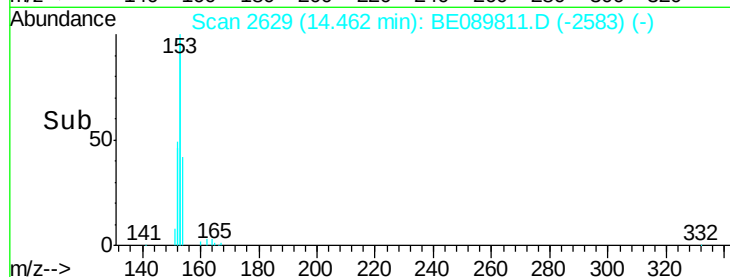
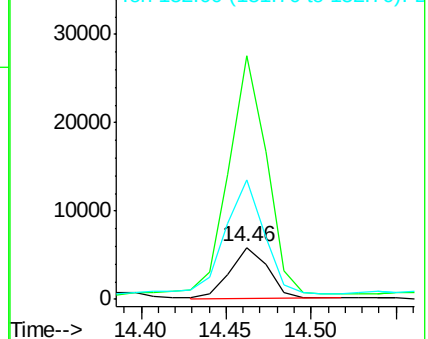
152 248.3 198.6 298.0



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: 0.12 ng

RT: 15.71 min Scan# 2743

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

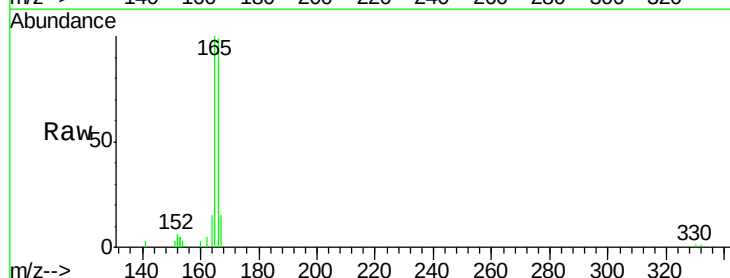
Tgt Ion:166 Resp: 10510

Ion Ratio Lower Upper

166 100

165 106.4 85.1 127.7

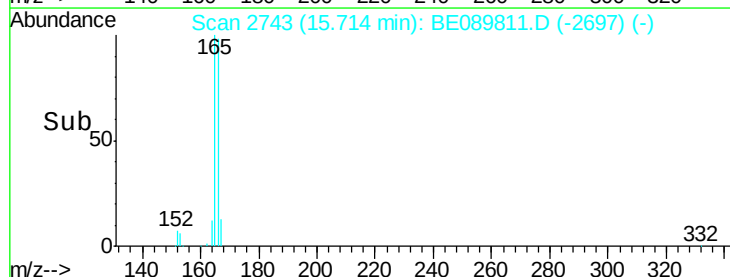
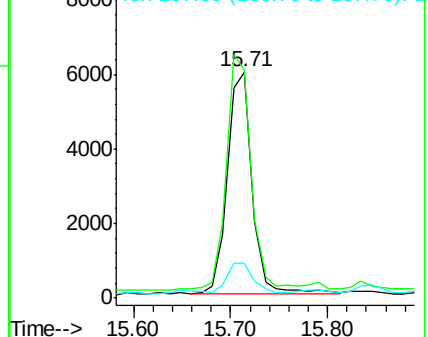
167 15.3 12.2 18.4

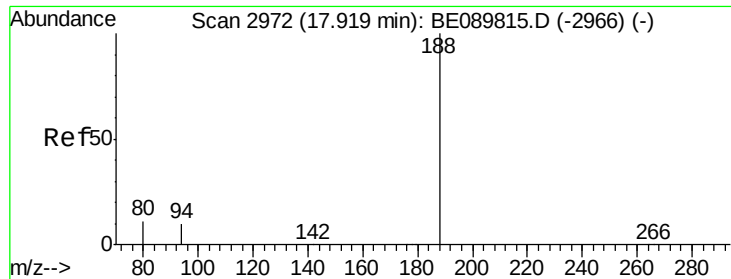


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

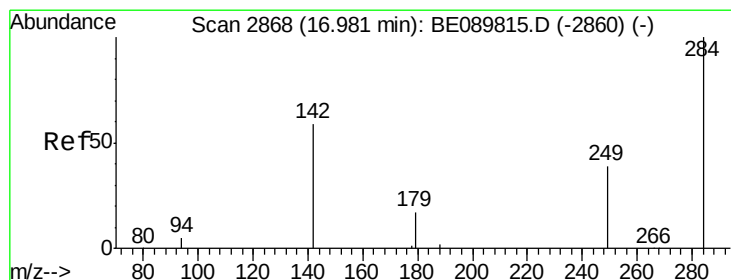
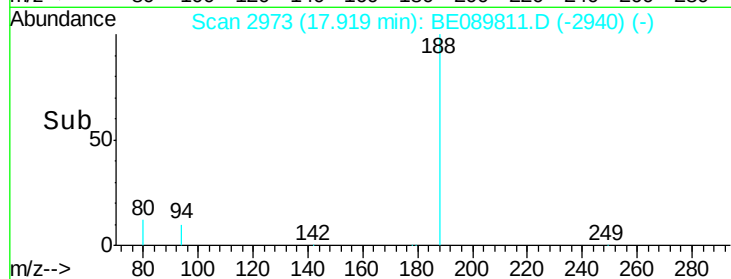
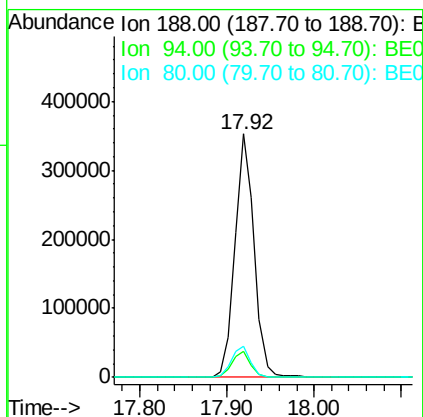
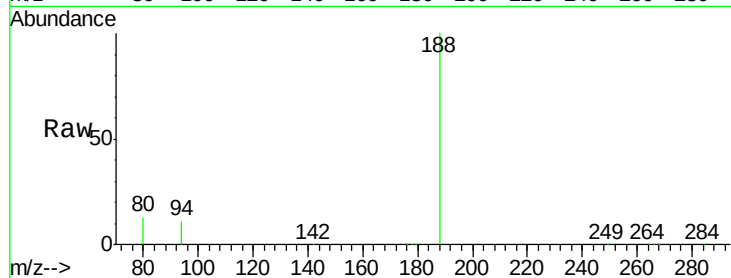




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2973
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

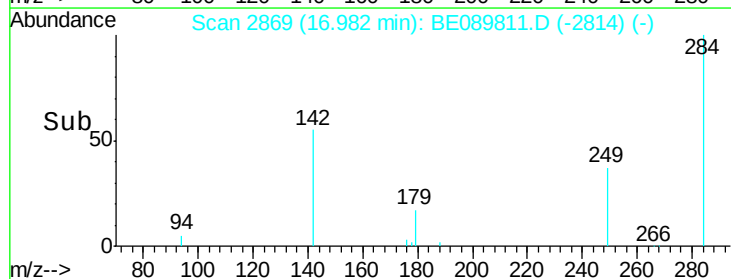
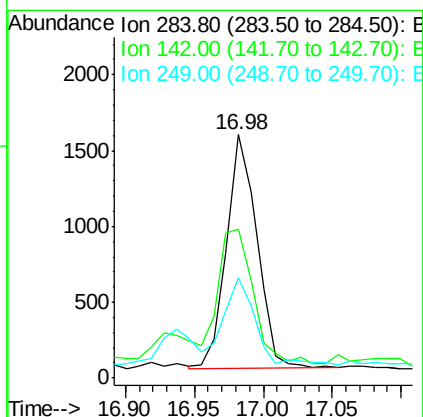
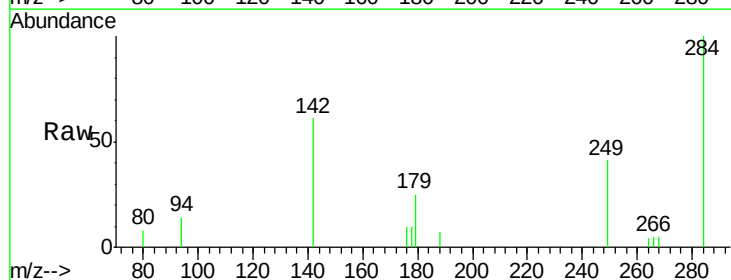
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

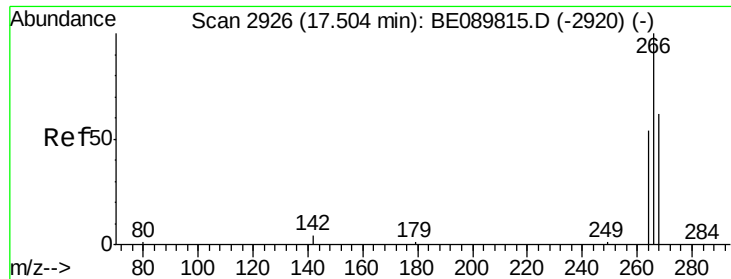
Tgt Ion:188 Resp: 542860
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 12.5 10.0 15.0



#14
Hexachlorobenzene
Concen: 0.13 ng
RT: 16.98 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Tgt Ion:284 Resp: 2328
Ion Ratio Lower Upper
284 100
142 66.6 53.3 79.9
249 38.9 31.1 46.7

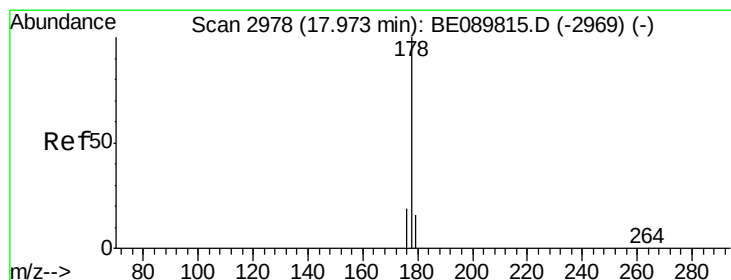
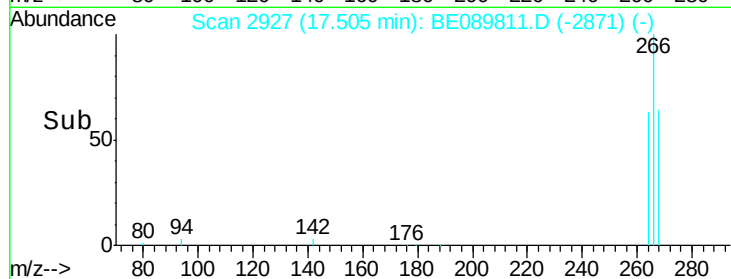
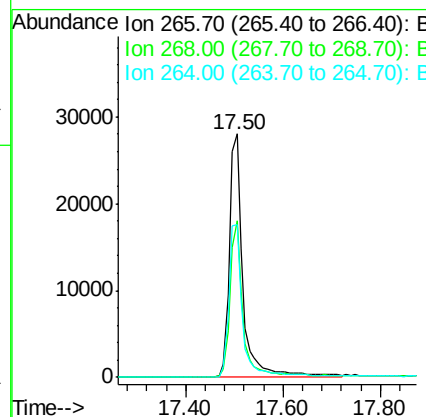
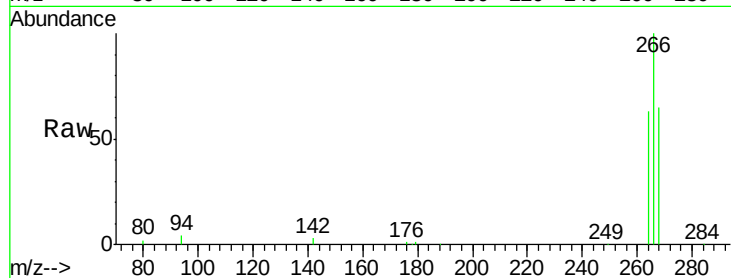




#15
 Pentachlorophenol
 Concen: 8.31 ng
 RT: 17.50 min Scan# 2927
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

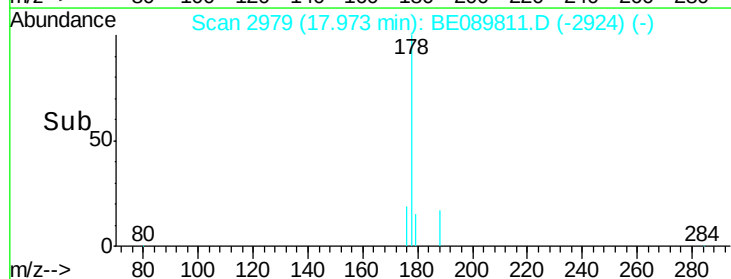
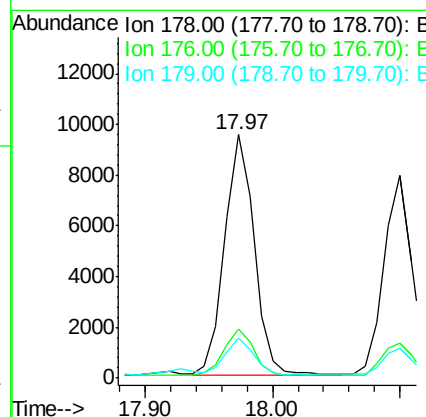
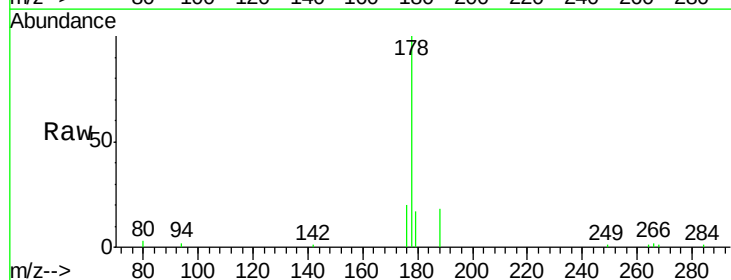
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

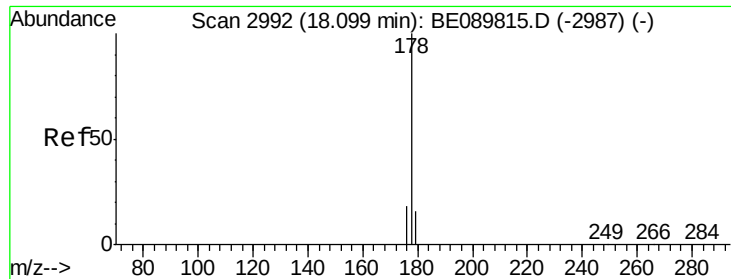
Tgt Ion:266 Resp: 54640
 Ion Ratio Lower Upper
 266 100
 268 64.5 51.6 77.4
 264 62.7 50.2 75.2



#16
 Phenanthrene
 Concen: 0.13 ng
 RT: 17.97 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

Tgt Ion:178 Resp: 15448
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.3 12.2 18.4





#17

Anthracene

Concen: 0.12 ng

RT: 18.10 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

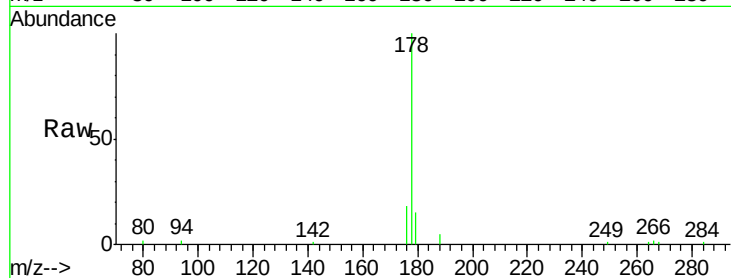
Tgt Ion:178 Resp: 12786

Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

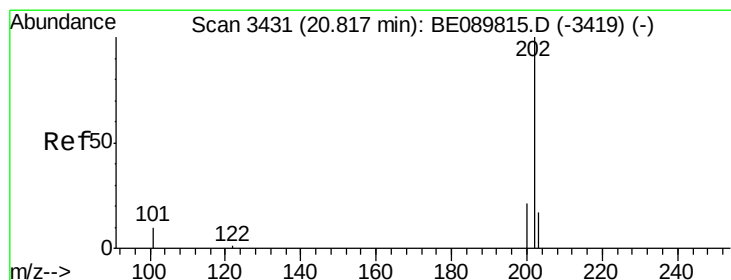
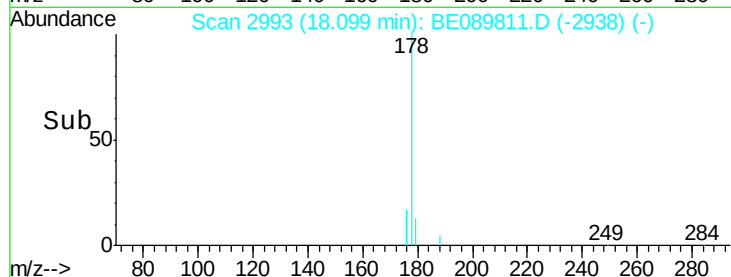
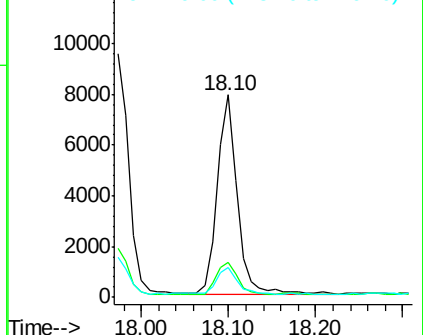
179 15.1 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#18

Fluoranthene

Concen: 0.11 ng

RT: 20.82 min Scan# 3433

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

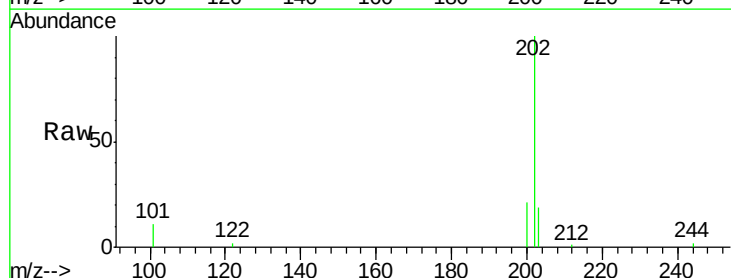
Tgt Ion:202 Resp: 12244

Ion Ratio Lower Upper

202 100

101 10.2 8.2 12.2

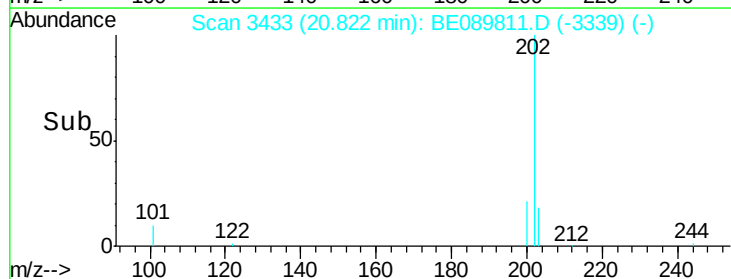
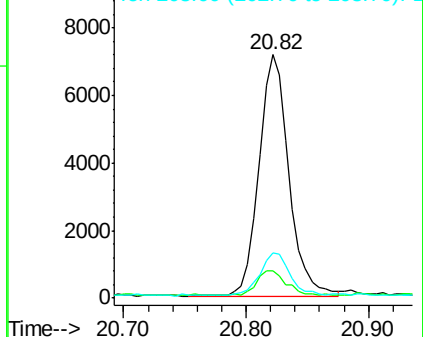
203 17.8 14.2 21.4

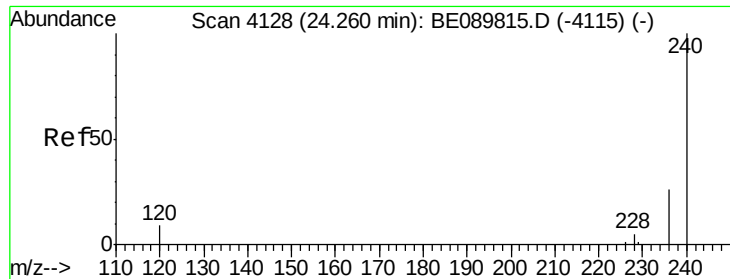


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

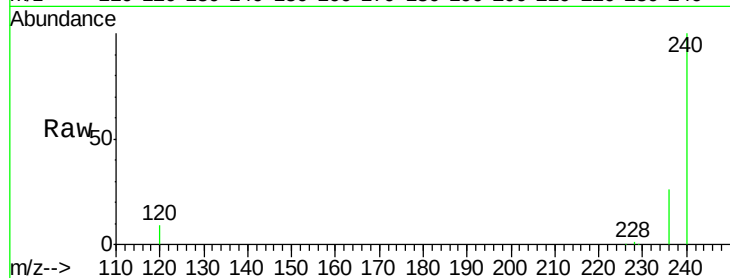
Tgt Ion:240 Resp: 422986

Ion Ratio Lower Upper

240 100

120 9.4 7.5 11.3

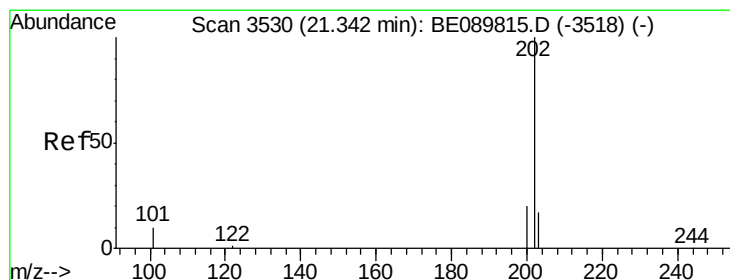
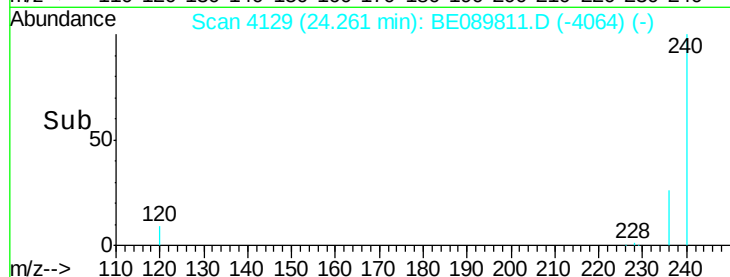
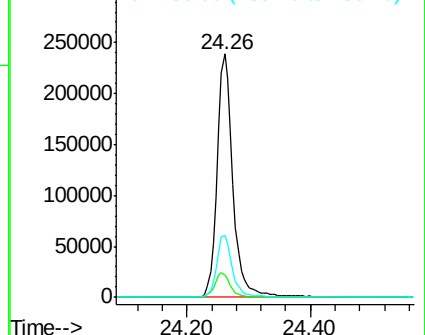
236 25.6 20.5 30.7



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: 0.14 ng

RT: 21.35 min Scan# 3532

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

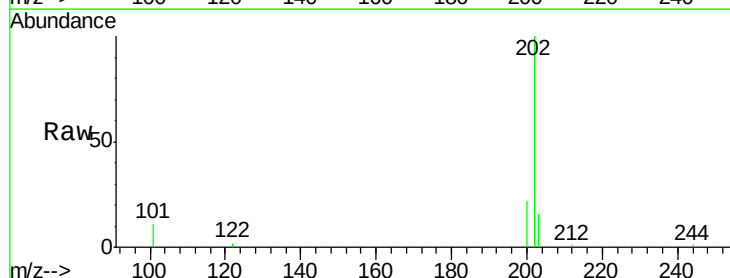
Tgt Ion:202 Resp: 14532

Ion Ratio Lower Upper

202 100

200 19.9 15.9 23.9

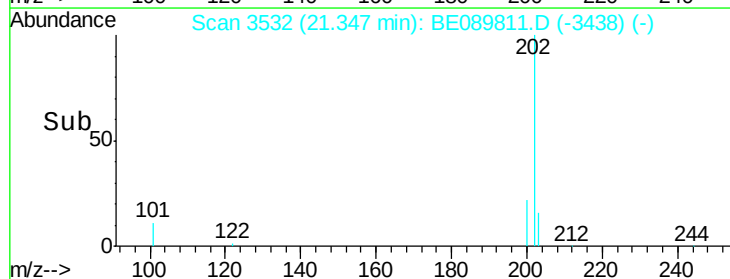
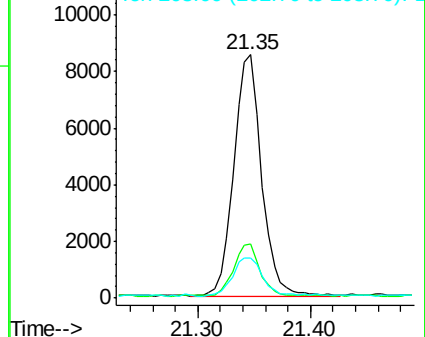
203 17.0 13.6 20.4

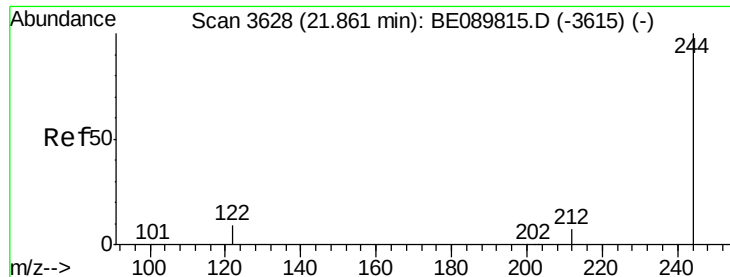


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.13 ng

RT: 21.86 min Scan# 3629

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

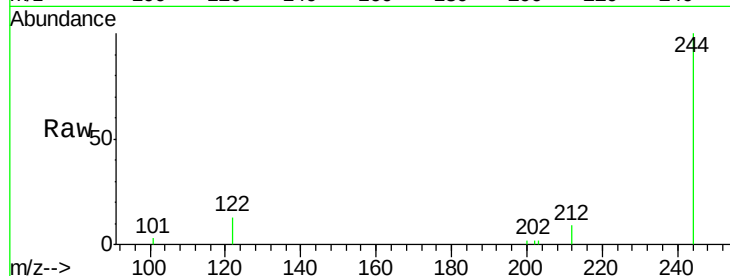
Tgt Ion:244 Resp: 7865

Ion Ratio Lower Upper

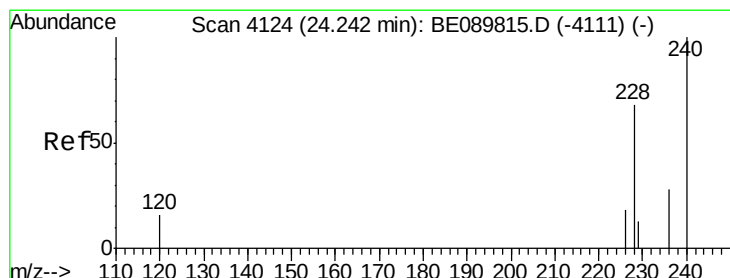
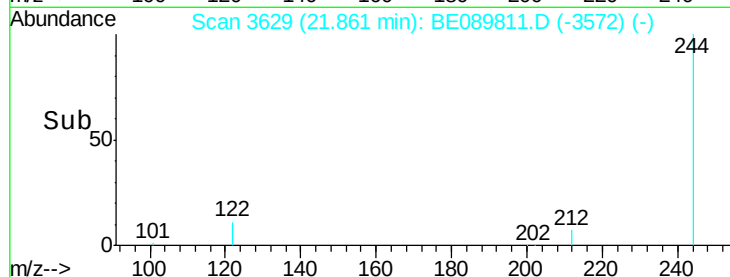
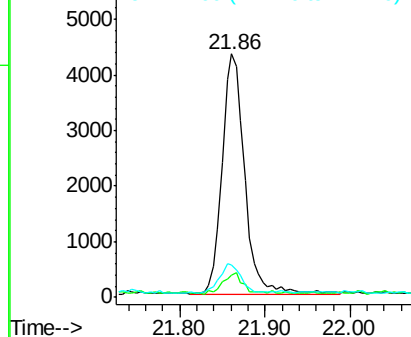
244 100

212 9.1 7.3 10.9

122 13.1 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.12 ng

RT: 24.25 min Scan# 4126

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

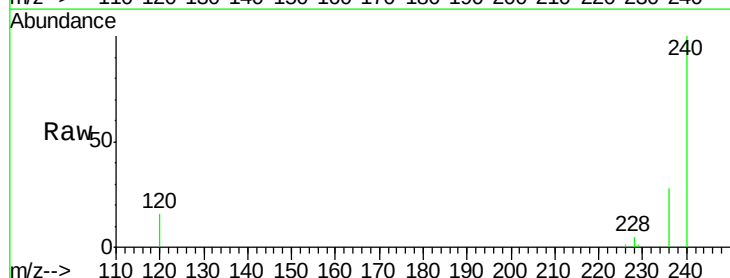
Tgt Ion:228 Resp: 9778

Ion Ratio Lower Upper

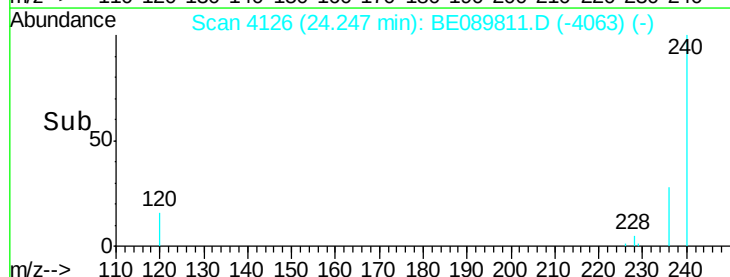
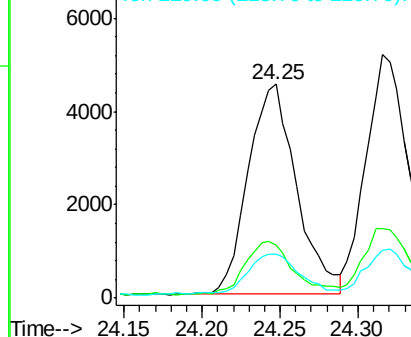
228 100

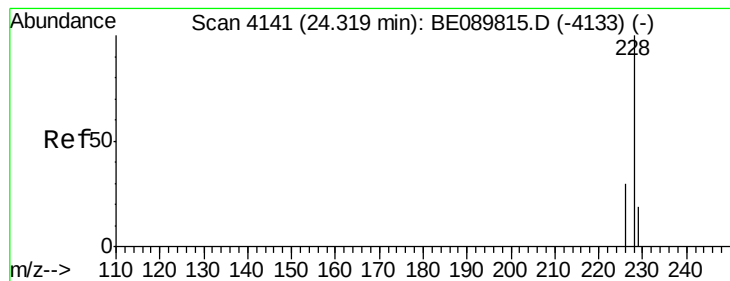
226 24.8 19.8 29.8

229 20.4 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: 0.11 ng

RT: 24.32 min Scan# 4141

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

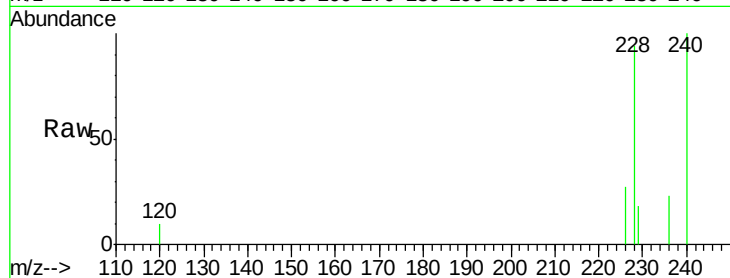
Tgt Ion:228 Resp: 9874

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.4

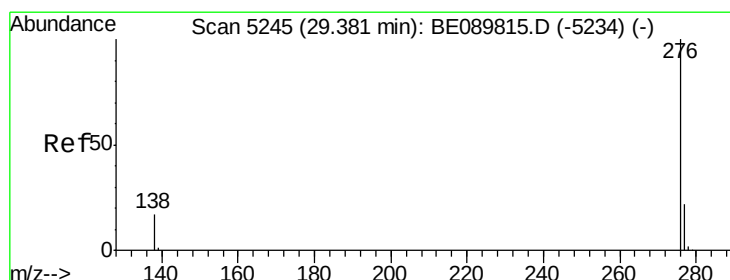
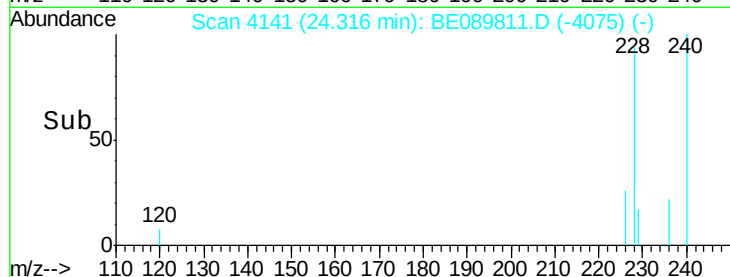
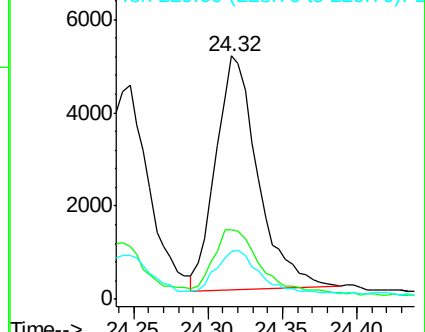
229 19.7 15.8 23.6



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: 0.45 ng

RT: 29.38 min Scan# 5247

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

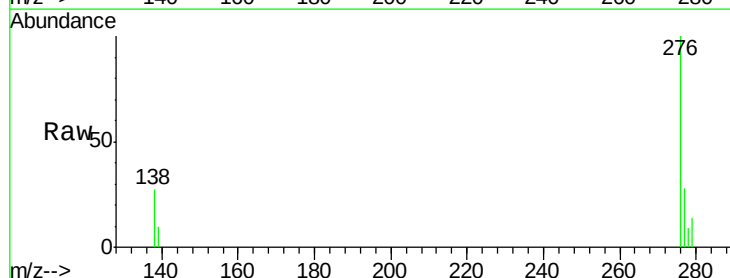
Tgt Ion:276 Resp: 2408

Ion Ratio Lower Upper

276 100

138 8.6 4.3 6.5#

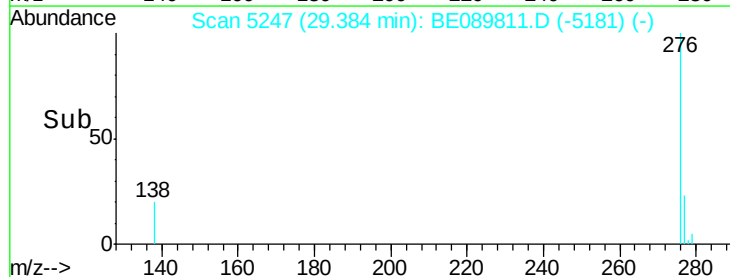
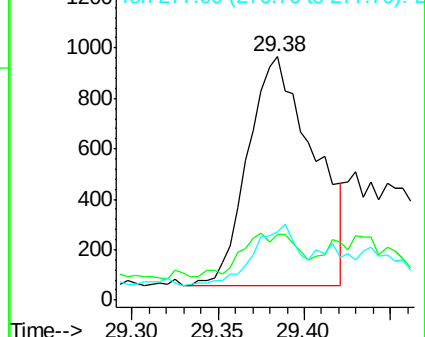
277 18.1 9.0 13.4#

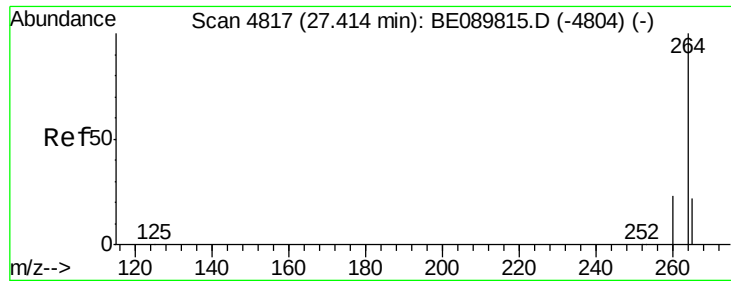


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

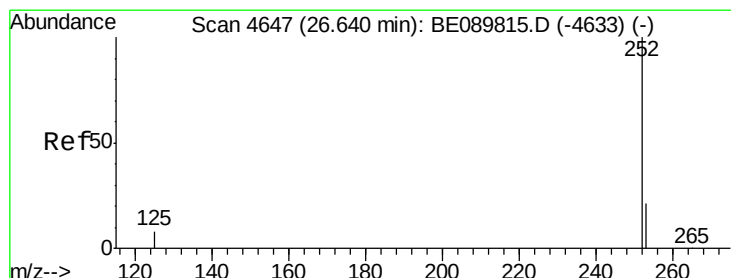
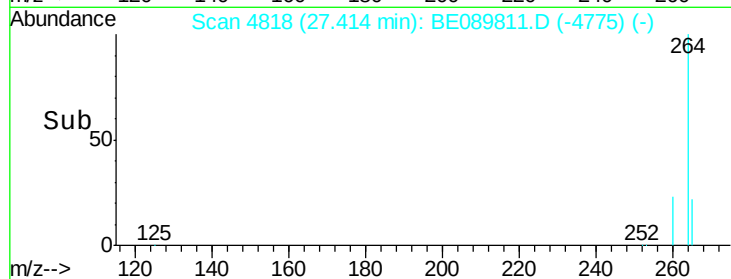
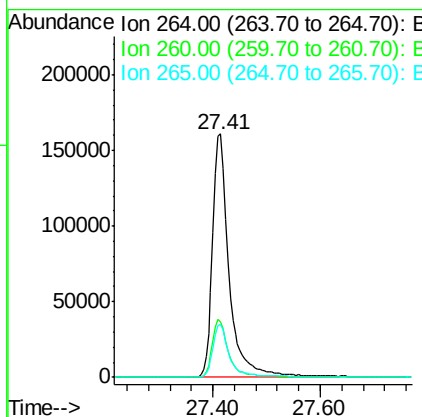
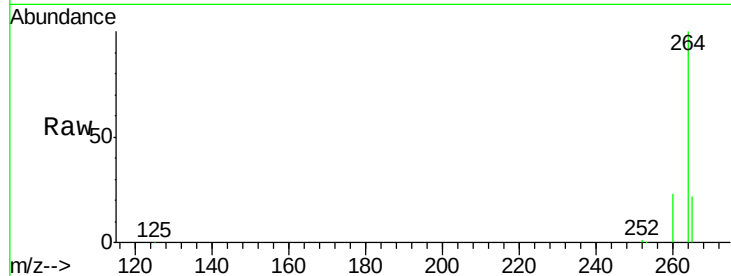




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4818
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

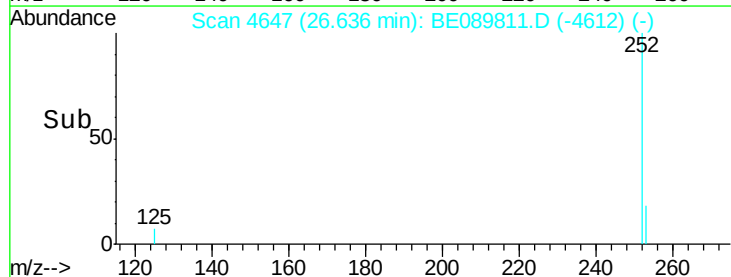
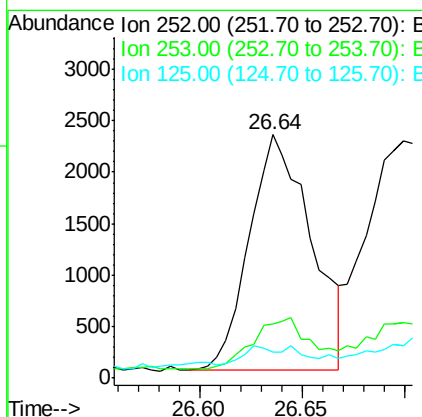
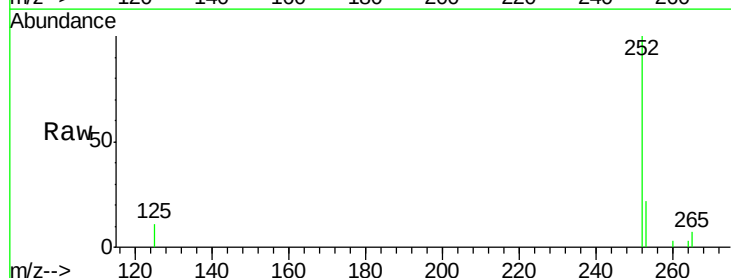
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

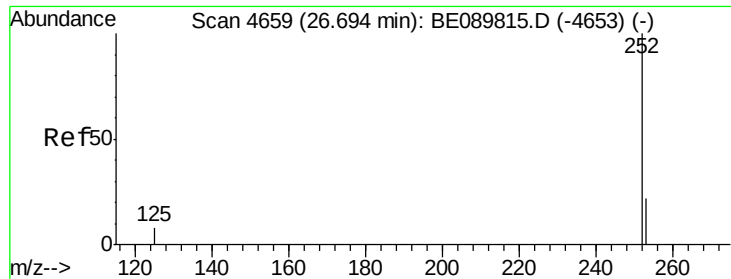
Tgt Ion: 264 Resp: 344095
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.2 27.2
 265 21.6 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 0.37 ng
 RT: 26.64 min Scan# 4647
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

Tgt Ion: 252 Resp: 4798
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.8 26.6
 125 10.9 8.7 13.1

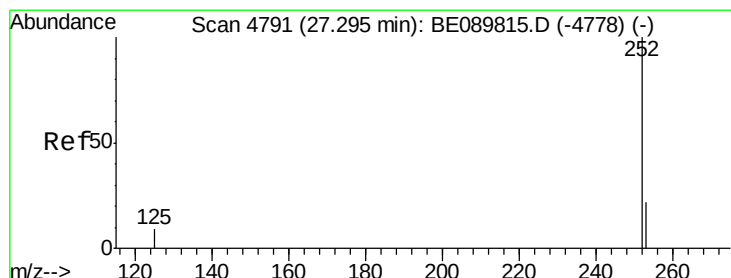
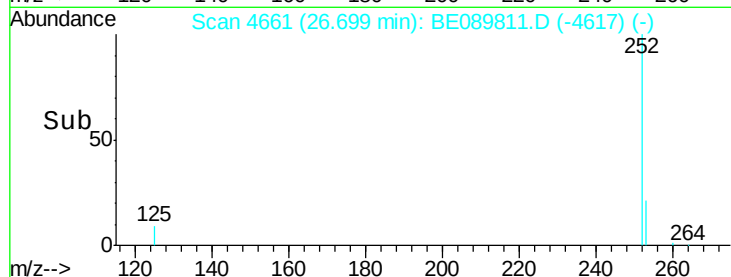
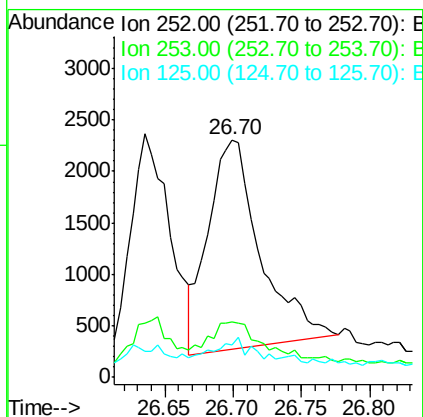
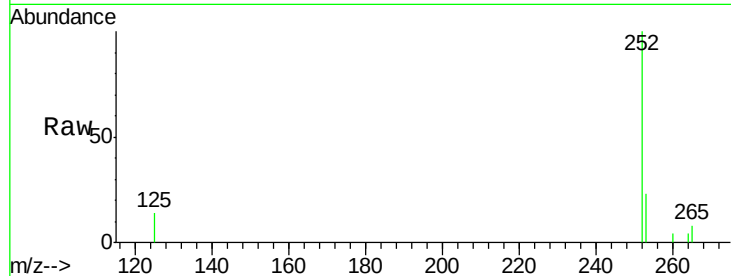




#27
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 26.70 min Scan# 4661
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

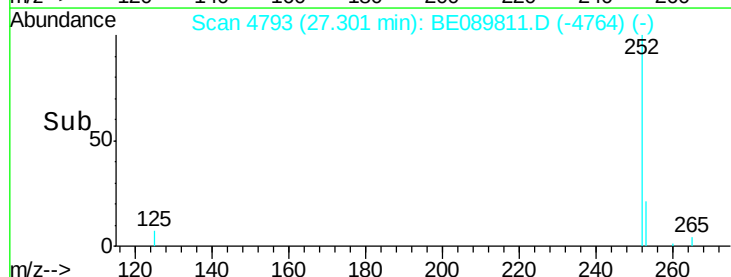
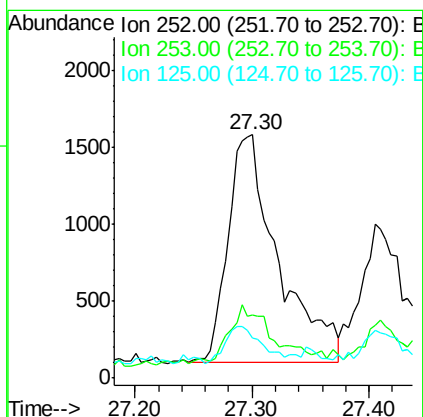
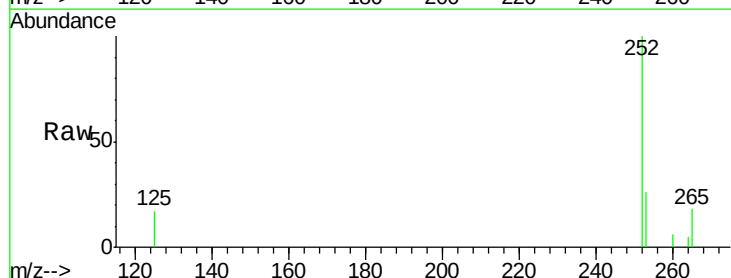
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

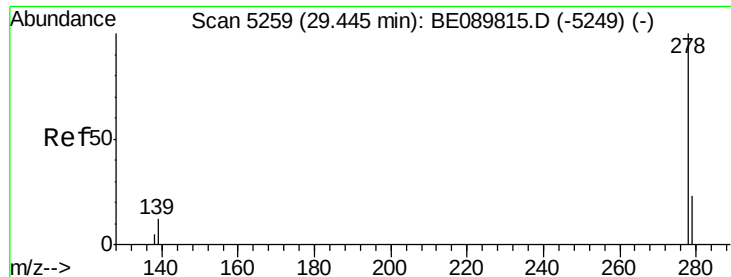
Tgt Ion:252 Resp: 5455
Ion Ratio Lower Upper
252 100
253 23.3 18.6 28.0
125 13.5 10.8 16.2



#28
Benzo(a)pyrene
Concen: 0.36 ng
RT: 27.30 min Scan# 4793
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Tgt Ion:252 Resp: 4397
Ion Ratio Lower Upper
252 100
253 26.2 21.0 31.4
125 16.6 13.3 19.9





#29

Dibenzo(a,h)anthracene

Concen: 0.44 ng

RT: 29.44 min Scan# 5260

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

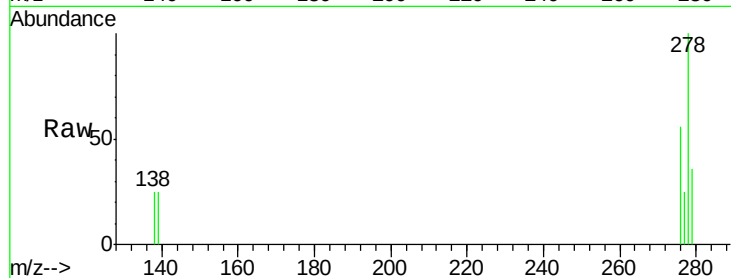
Tgt Ion:278 Resp: 2033

Ion Ratio Lower Upper

278 100

139 25.0 20.0 30.0

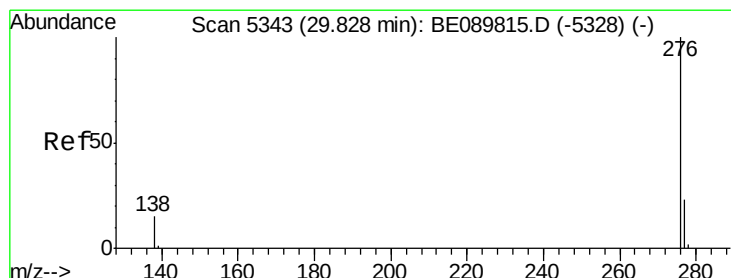
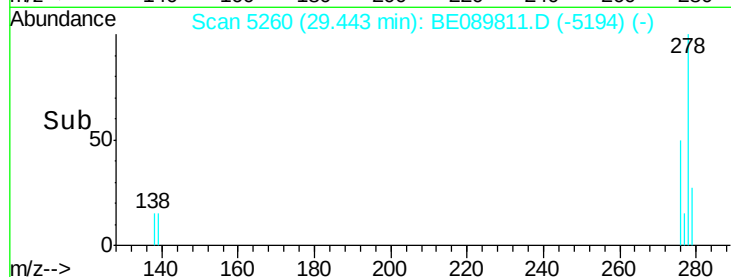
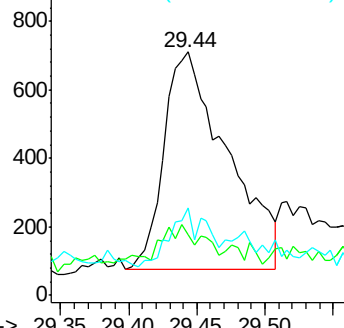
279 36.1 28.9 43.3



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: 0.31 ng

RT: 29.82 min Scan# 5343

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

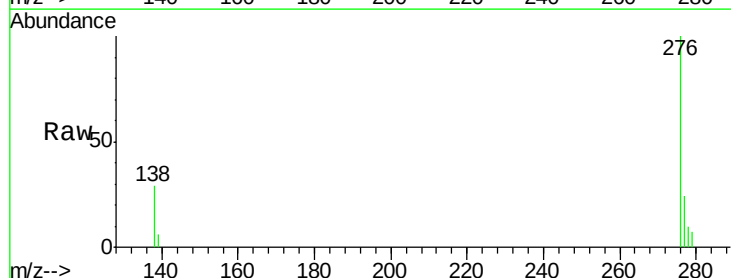
Tgt Ion:276 Resp: 4293

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 28.6 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

