

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089813.D
 Acq On : 24 Mar 2015 13:28
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Quant Time: Mar 24 18:25:10 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	152202	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	645768	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	350244	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	638225	5.00	ng	0.00
19) Chrysene-d12	24.26	240	500309	5.00	ng	0.00
25) Perylene-d12	27.41	264	381761	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	14403	0.55	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	35113	0.43	ng	0.00
21) Terphenyl-d14	21.86	244	34514	0.47	ng	0.00

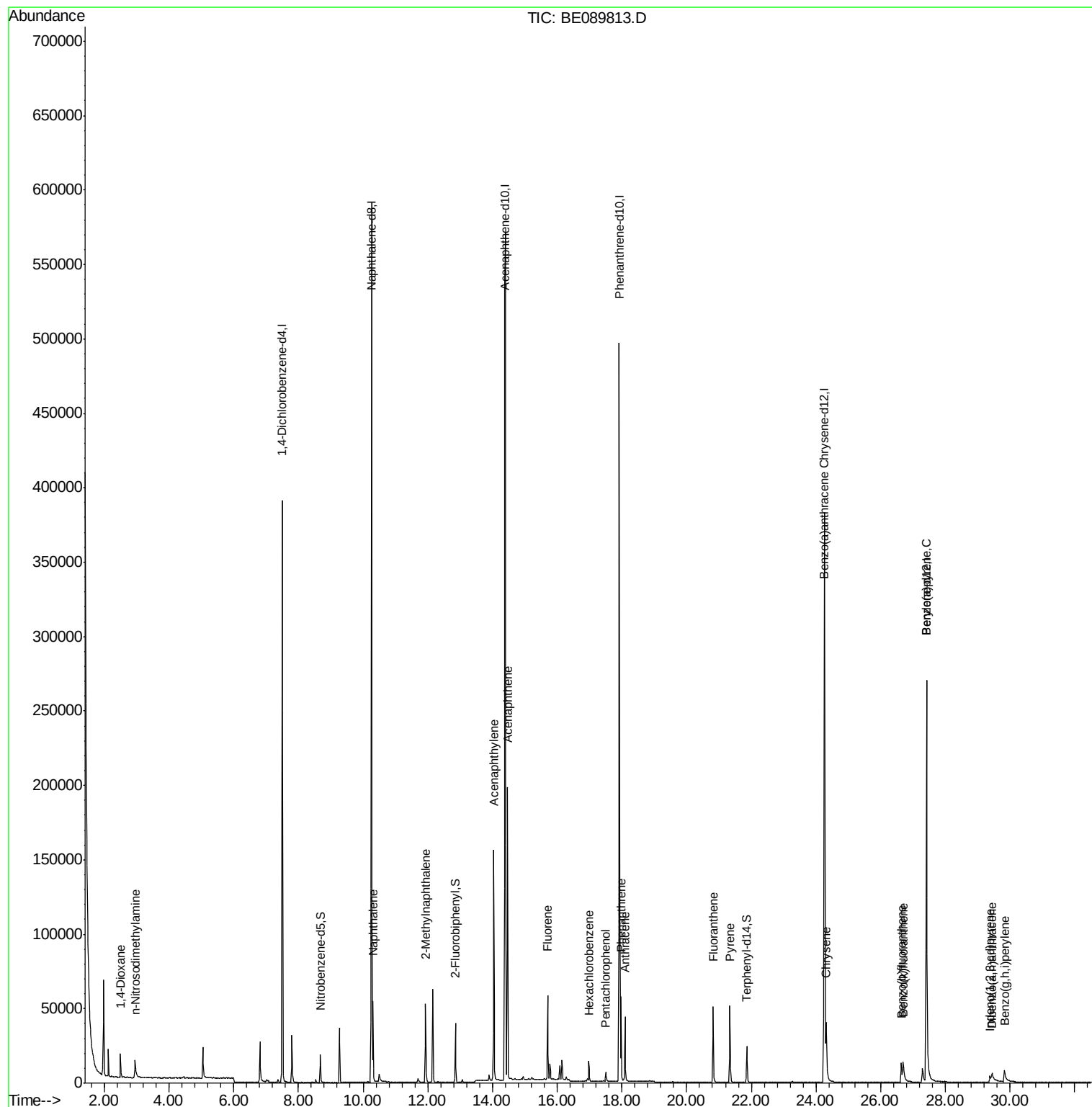
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.50	88	9588	0.48	ng	# 89
3) n-Nitrosodimethylamine	2.95	42	13419	0.46	ng	# 91
6) Naphthalene	10.31	128	60551	0.47	ng	95
7) 2-Methylnaphthalene	11.93	142	32868	0.46	ng	98
10) Acenaphthylene	14.04	152	219552	0.44	ng	98
11) Acenaphthene	14.46	154	35137	0.46	ng	84
12) Fluorene	15.71	166	43106	0.46	ng	93
14) Hexachlorobenzene	16.98	284	9326	0.44	ng	98
15) Pentachlorophenol	17.50	266	5638	1.02	ng	96
16) Phenanthrene	17.97	178	63250	0.45	ng	99
17) Anthracene	18.10	178	54449	0.43	ng	99
18) Fluoranthene	20.82	202	55352	0.44	ng	98
20) Pyrene	21.34	202	58618	0.46	ng	99
22) Benzo(a)anthracene	24.24	228	39744	0.42	ng	98
23) Chrysene	24.32	228	46519	0.46	ng	99
24) Indeno(1,2,3-cd)pyrene	29.38	276	8337	0.50	ng	# 72
26) Benzo(b)fluoranthene	26.64	252	21304	0.56	ng	98
27) Benzo(k)fluoranthene	26.70	252	32448	0.41	ng	# 94
28) Benzo(a)pyrene	27.41	252	4299	0.35	ng	96
29) Dibenzo(a,h)anthracene	29.44	278	10051	0.55	ng	# 85
30) Benzo(g,h,i)perylene	29.83	276	18621	0.48	ng	# 88

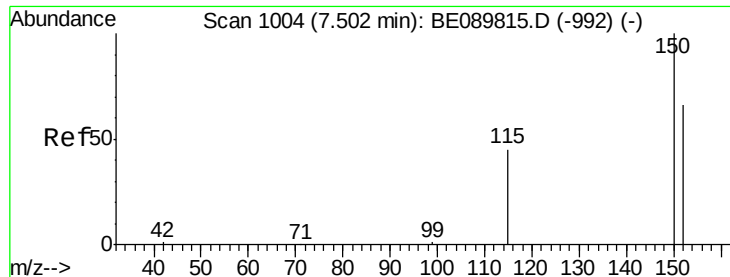
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089813.D
Acq On : 24 Mar 2015 13:28
Operator : TP/JJ
Sample : SSTDICC0.5
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.5

Quant Time: Mar 24 18:25:10 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.5

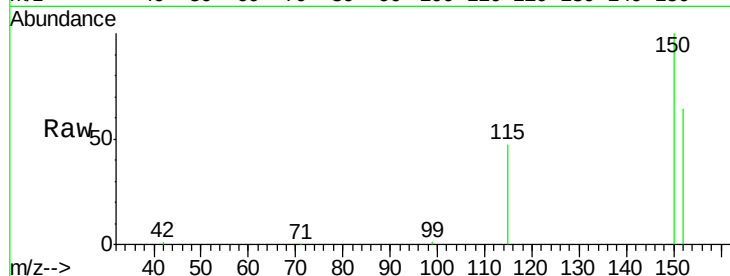
Tgt Ion:152 Resp: 152202

Ion Ratio Lower Upper

152 100

150 157.0 125.5 188.3

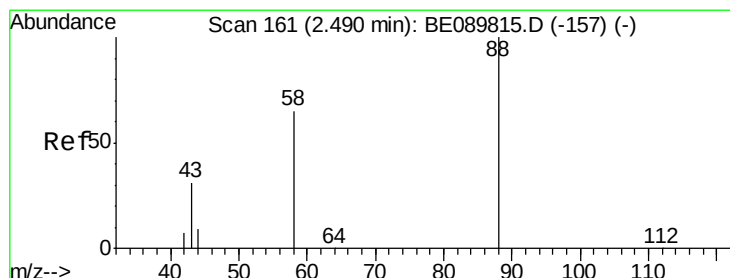
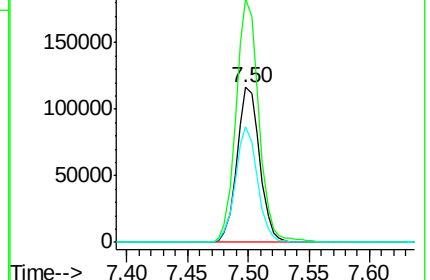
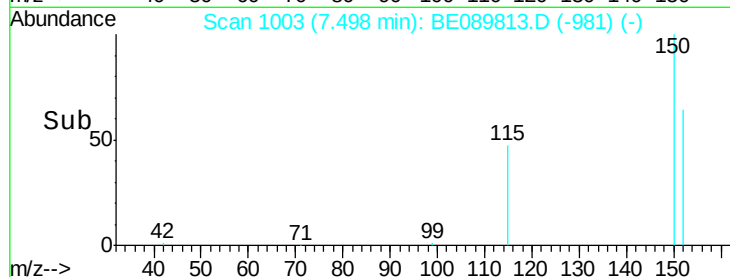
115 74.3 58.0 87.0



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: 0.48 ng

RT: 2.50 min Scan# 162

Delta R.T. -0.02 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

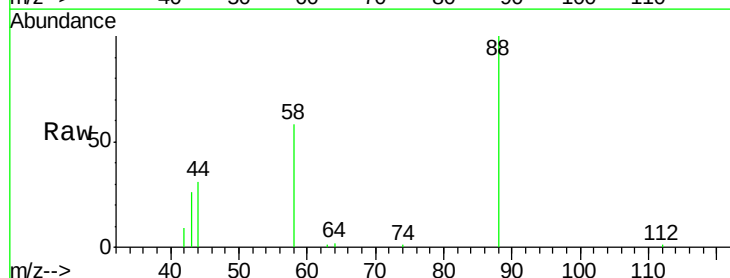
Tgt Ion: 88 Resp: 9588

Ion Ratio Lower Upper

88 100

58 74.1 48.6 72.8#

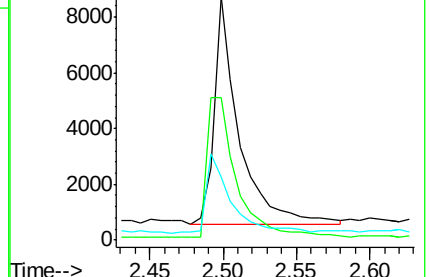
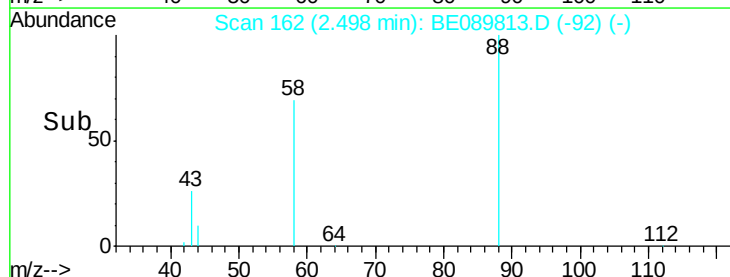
43 35.4 28.6 43.0

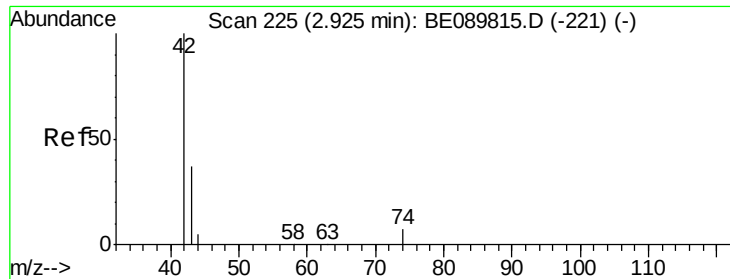


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.46 ng

RT: 2.95 min Scan# 228

Delta R.T. -0.05 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

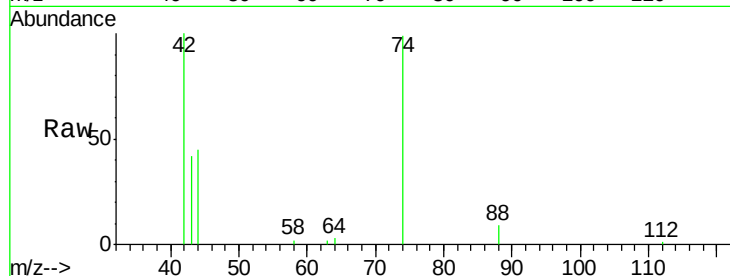
Tgt Ion: 42 Resp: 13419

Ion Ratio Lower Upper

42 100

74 93.6 68.7 103.1

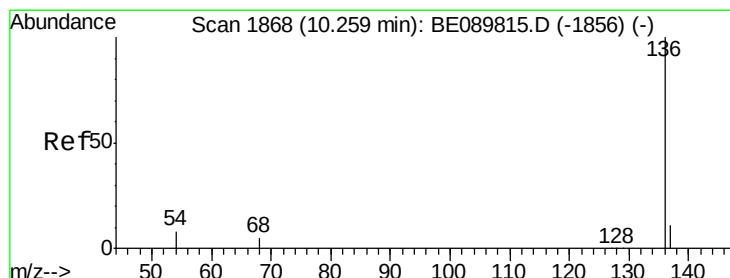
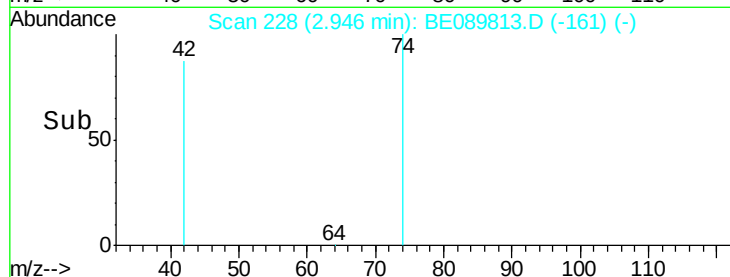
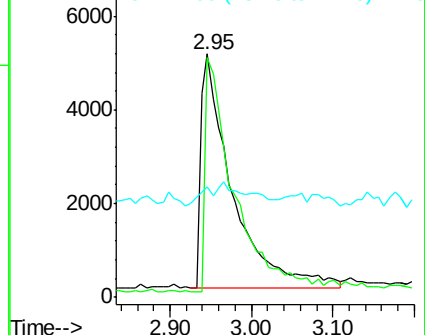
44 3.7 6.2 9.4#



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: BE089813.D

Acq: 24 Mar 2015 13:28

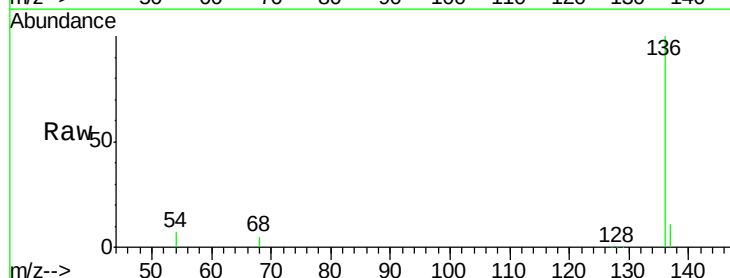
Tgt Ion: 136 Resp: 645768

Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

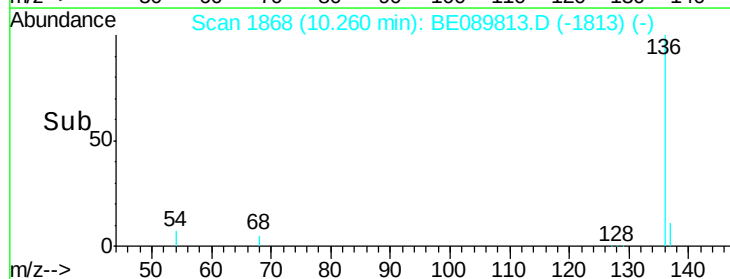
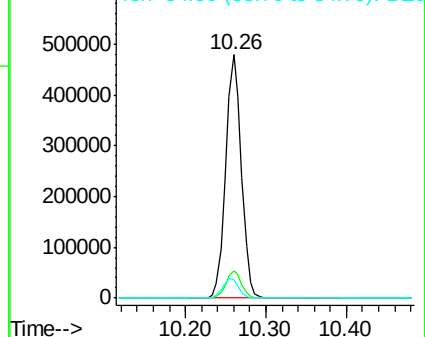
54 7.5 7.0 10.4

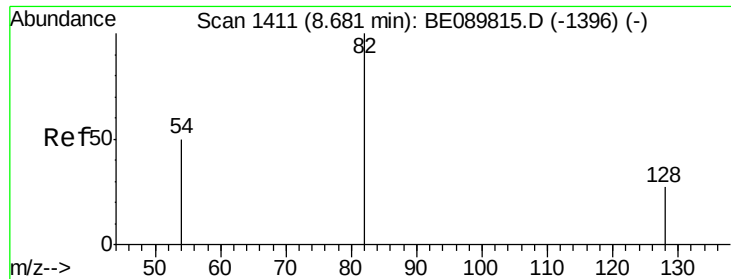


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.55 ng

RT: 8.68 min Scan# 1410

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

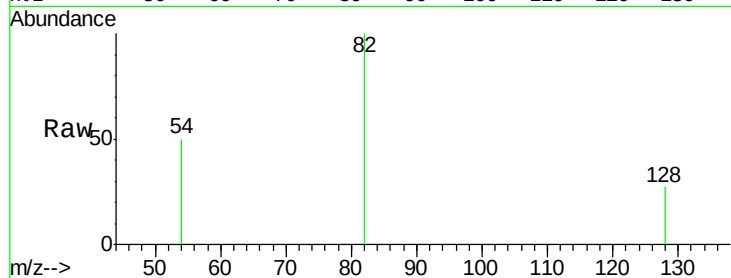
Tgt Ion: 82 Resp: 14403

Ion Ratio Lower Upper

82 100

128 27.3 24.6 37.0

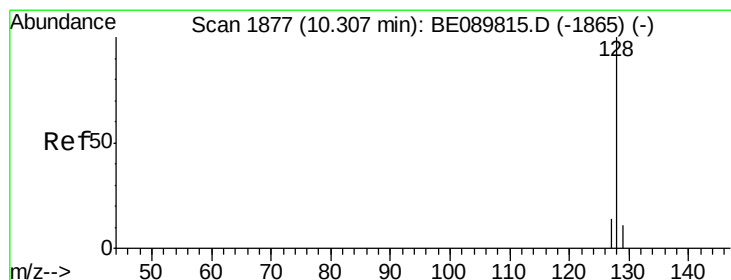
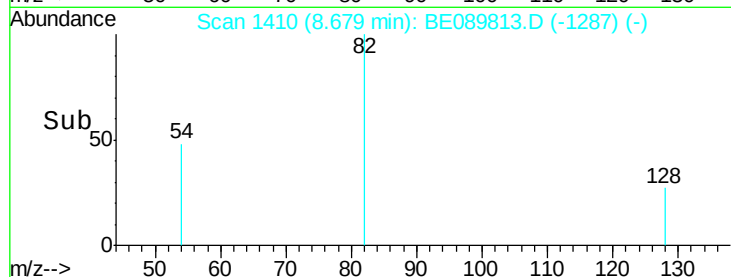
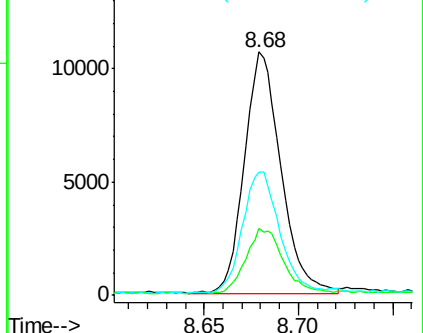
54 50.4 43.0 64.6



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: 0.47 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

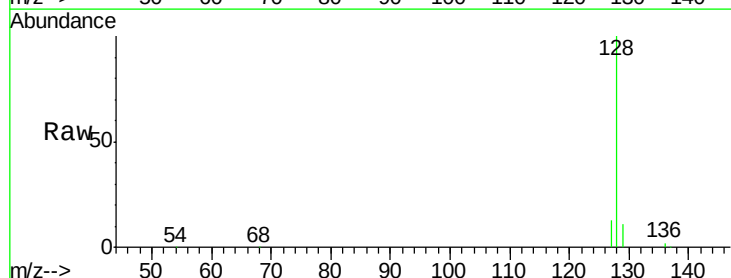
Tgt Ion: 128 Resp: 60551

Ion Ratio Lower Upper

128 100

129 10.8 10.0 15.0

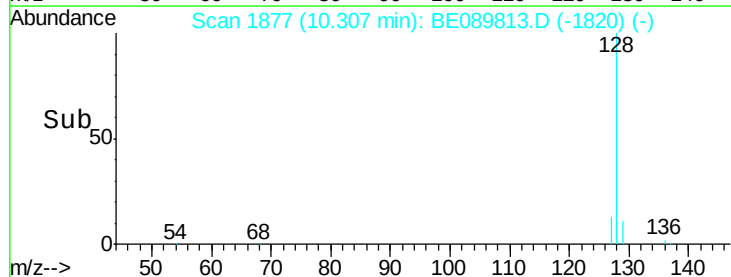
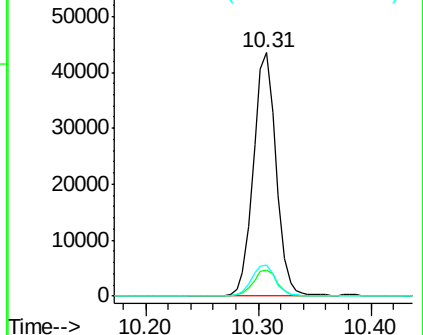
127 13.0 12.5 18.7

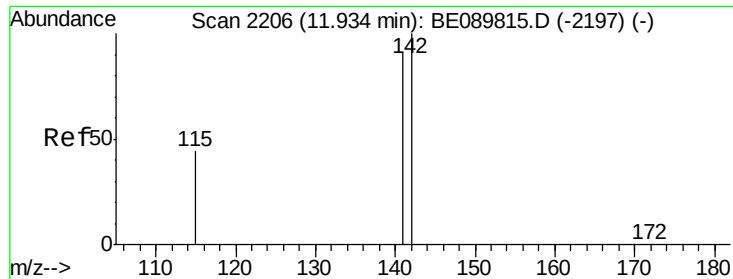


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.46 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.5

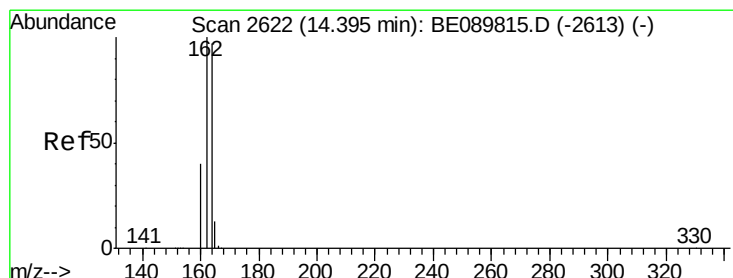
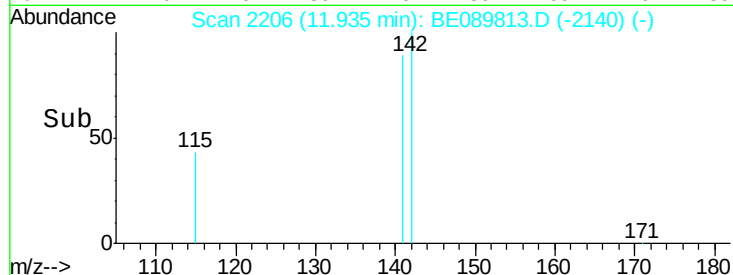
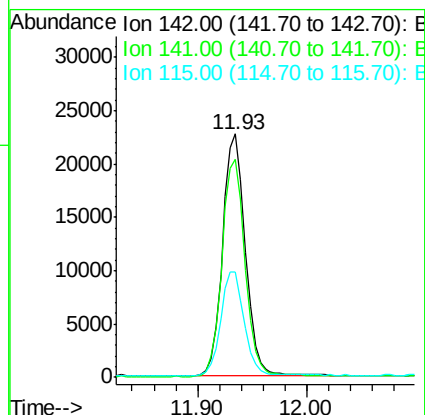
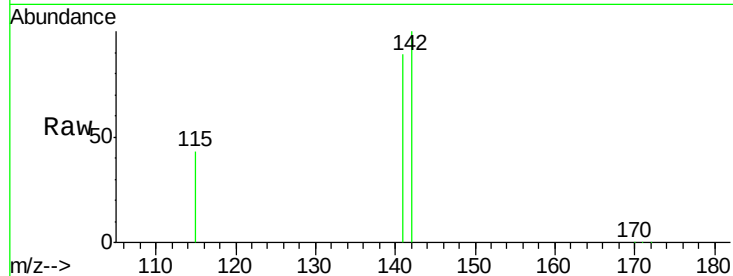
Tgt Ion:142 Resp: 32868

Ion Ratio Lower Upper

142 100

141 89.3 72.8 109.2

115 43.4 32.9 49.3



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

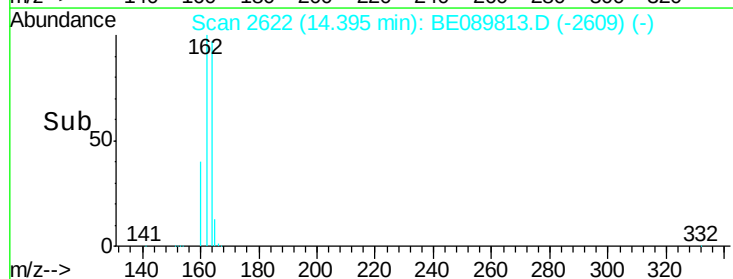
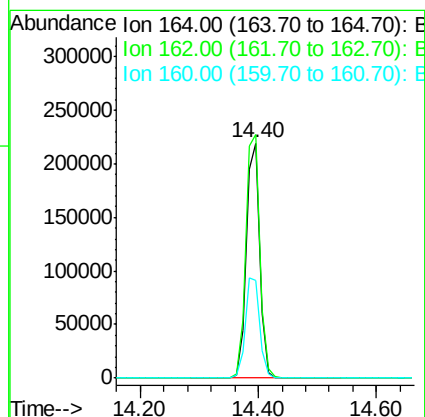
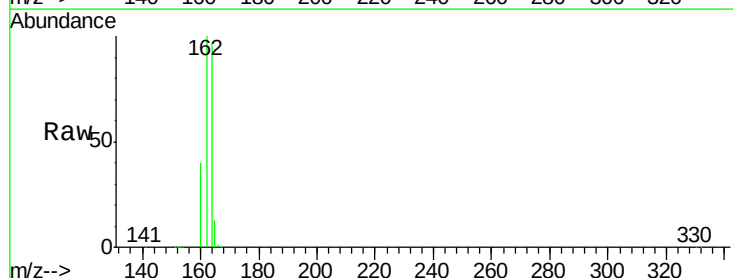
Tgt Ion:164 Resp: 350244

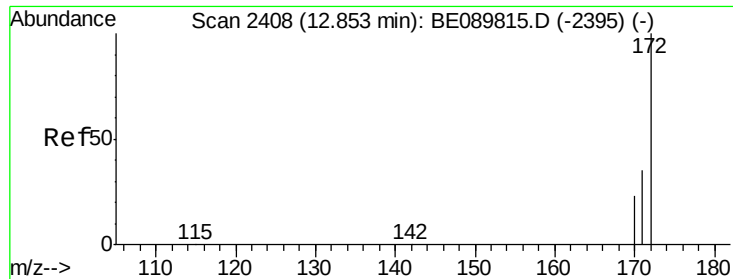
Ion Ratio Lower Upper

164 100

162 103.5 87.6 131.4

160 41.5 36.7 55.1





#9

2-Fluorobiphenyl

Concen: 0.43 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.5

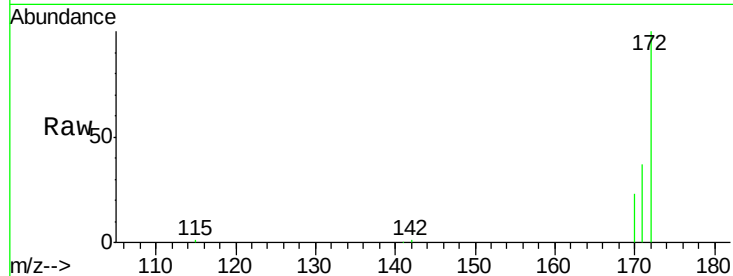
Tgt Ion:172 Resp: 35113

Ion Ratio Lower Upper

172 100

171 36.7 30.8 46.2

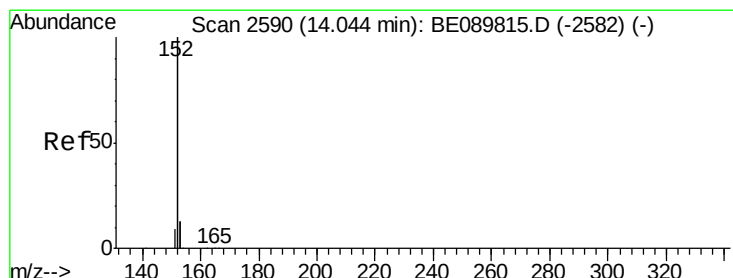
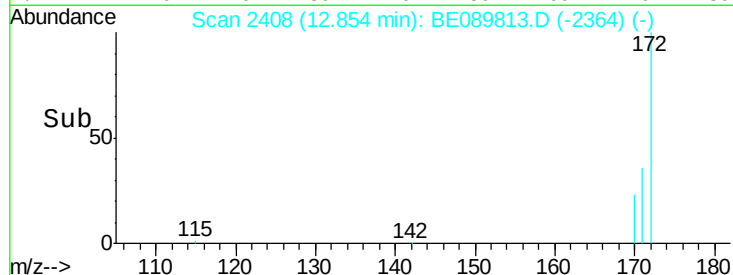
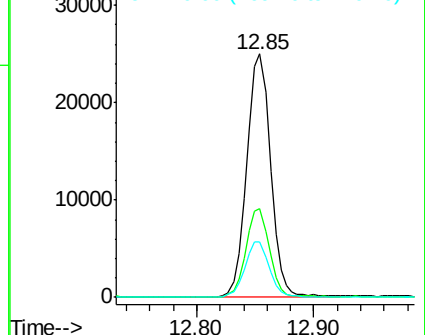
170 22.8 21.0 31.4



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: 0.44 ng

RT: 14.04 min Scan# 2590

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

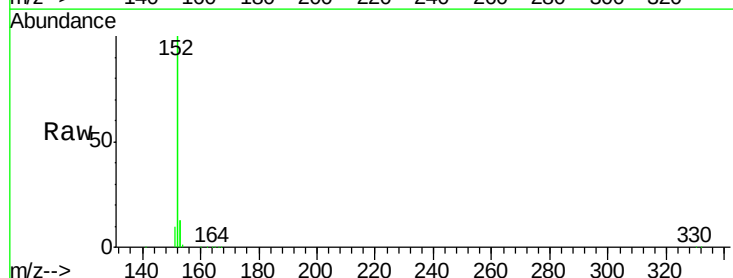
Tgt Ion:152 Resp: 219552

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

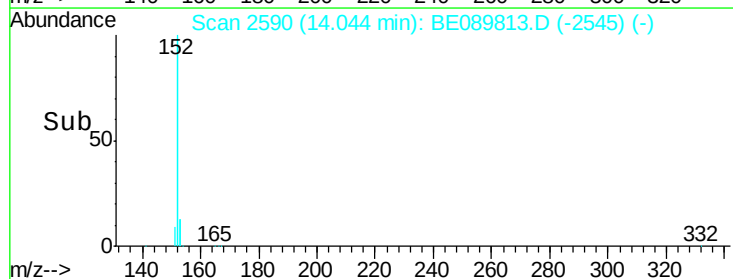
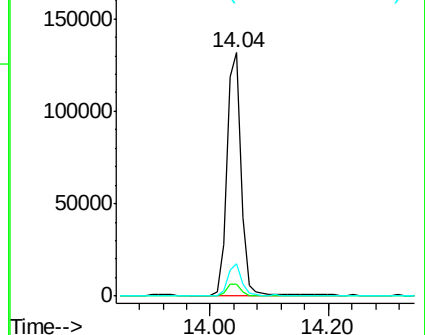
153 12.7 11.0 16.4

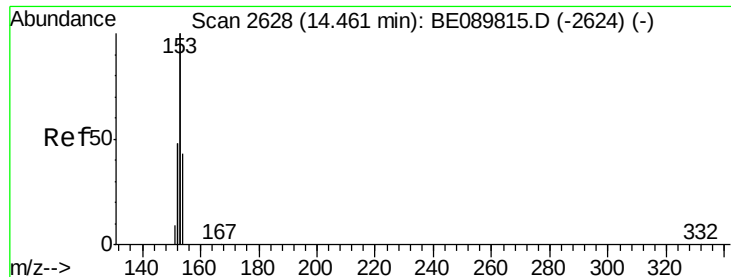


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.46 ng

RT: 14.46 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

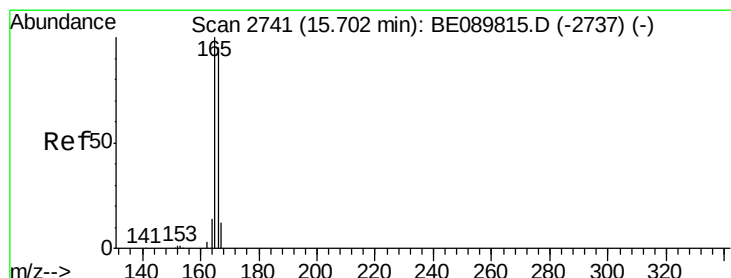
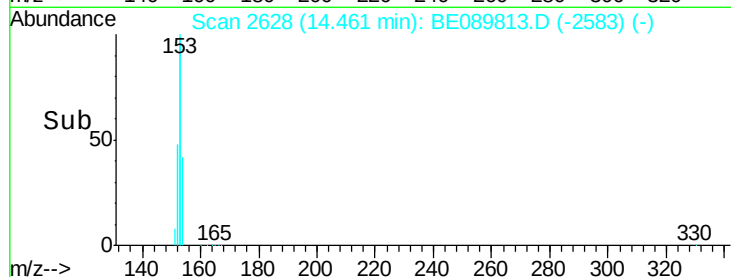
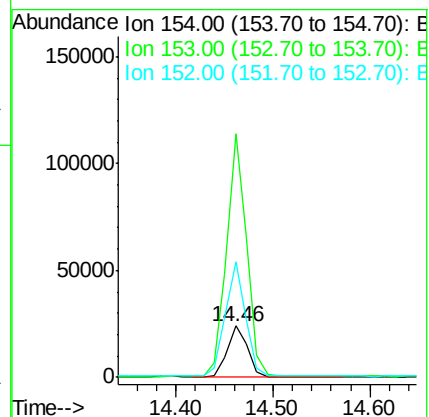
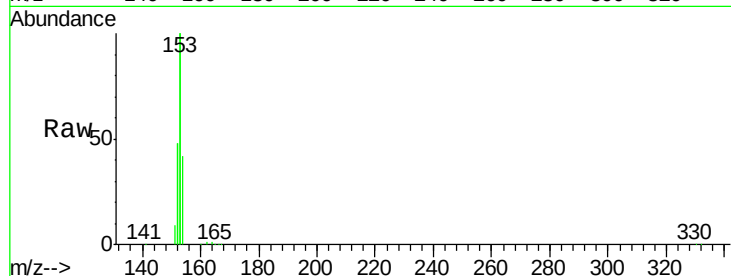
Tgt Ion:154 Resp: 35137

Ion Ratio Lower Upper

154 100

153 457.3 401.5 602.3

152 219.7 198.6 298.0



#12

Fluorene

Concen: 0.46 ng

RT: 15.71 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

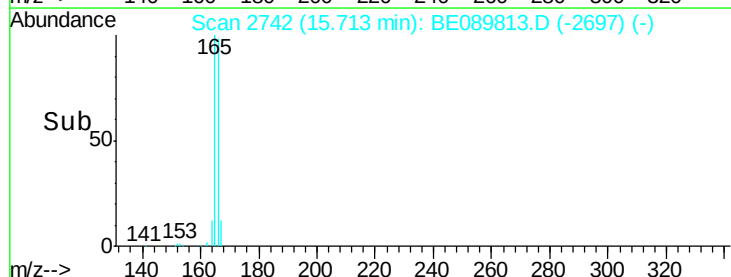
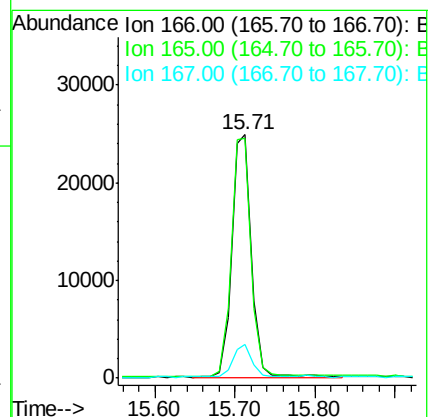
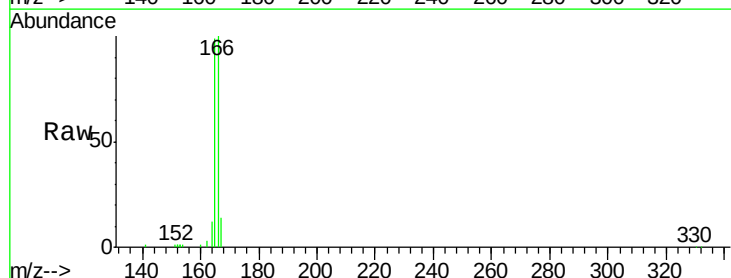
Tgt Ion:166 Resp: 43106

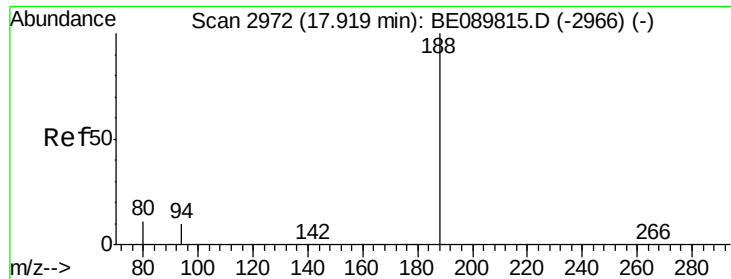
Ion Ratio Lower Upper

166 100

165 99.4 85.1 127.7

167 12.7 12.2 18.4

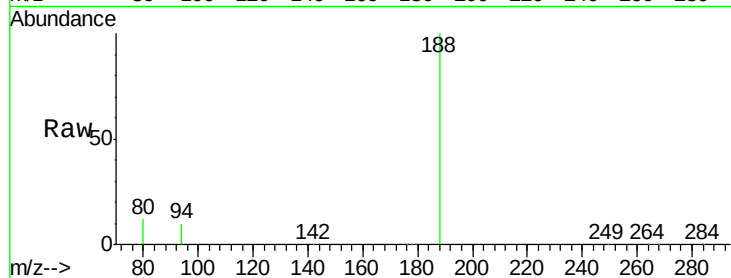




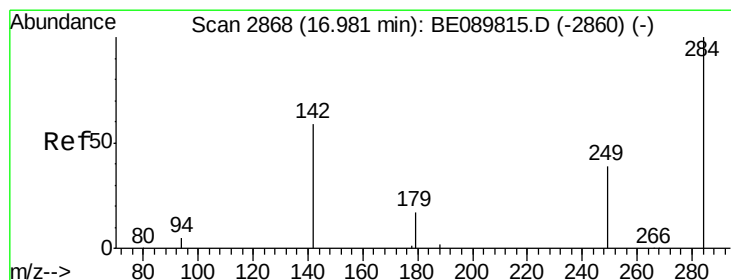
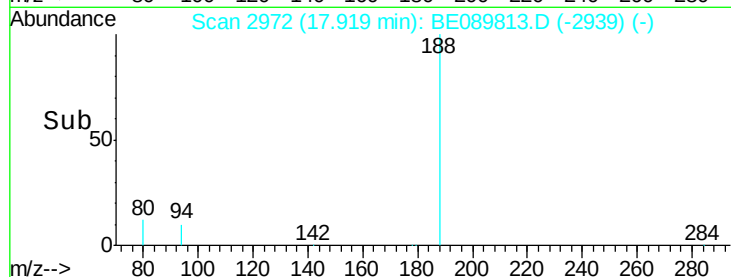
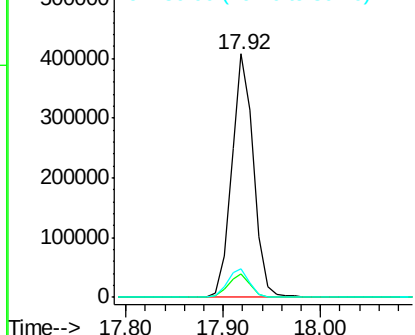
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BE089813.D
Acq: 24 Mar 2015 13:28

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion:188 Resp: 638225
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 11.7 10.0 15.0

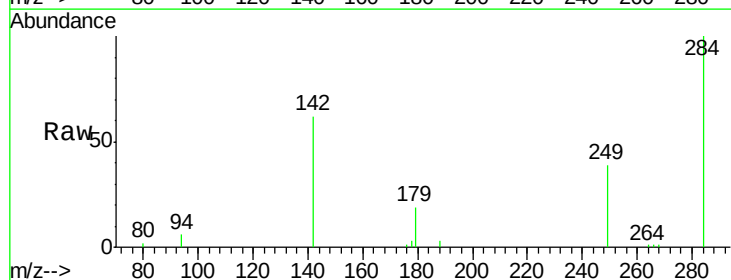


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

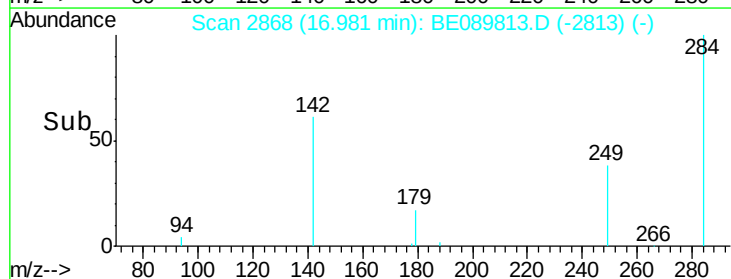
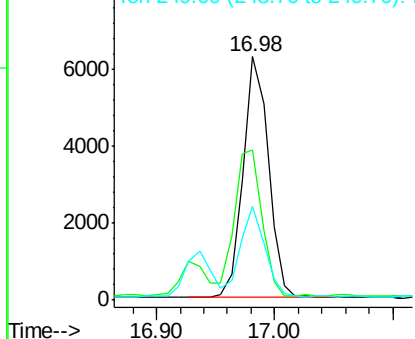


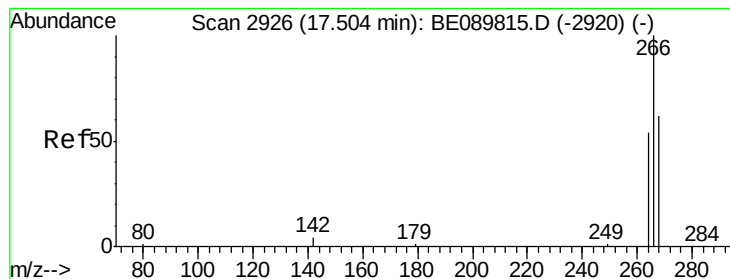
#14
Hexachlorobenzene
Concen: 0.44 ng
RT: 16.98 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BE089813.D
Acq: 24 Mar 2015 13:28

Tgt Ion:284 Resp: 9326
Ion Ratio Lower Upper
284 100
142 66.9 53.3 79.9
249 36.8 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

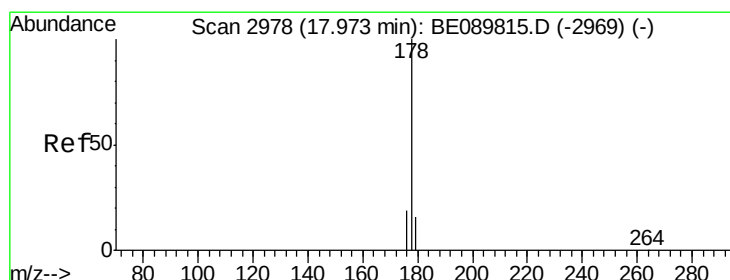
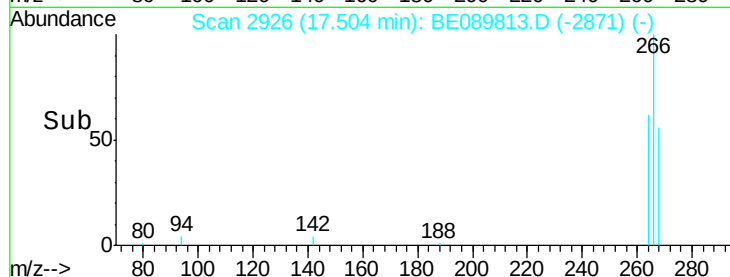
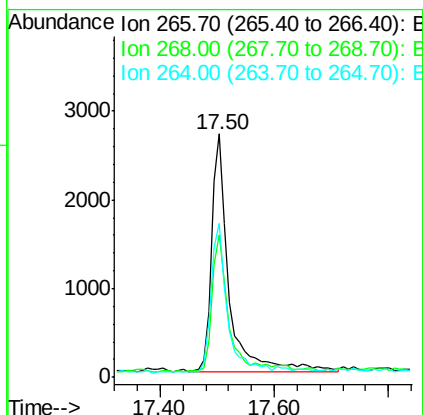
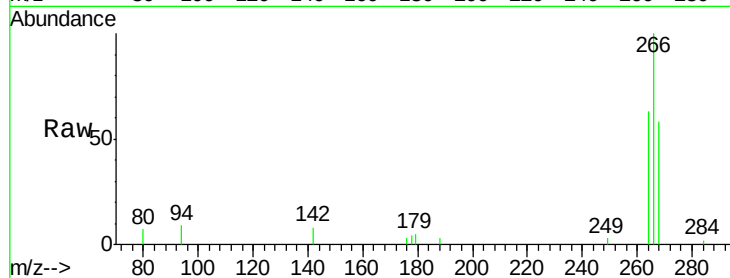




#15
 Pentachlorophenol
 Concen: 1.02 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. 0.00 min
 Lab File: BE089813.D
 Acq: 24 Mar 2015 13:28

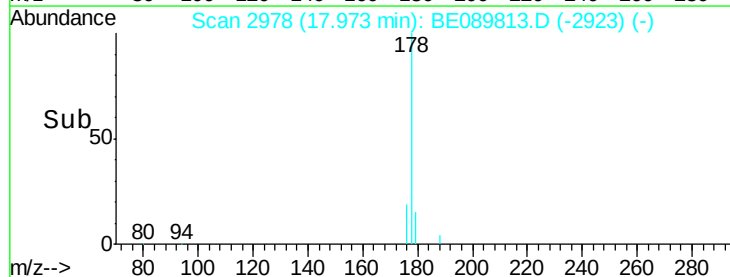
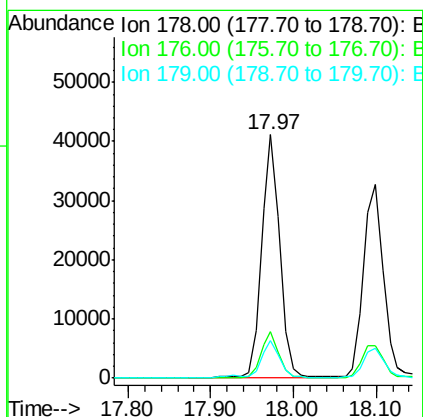
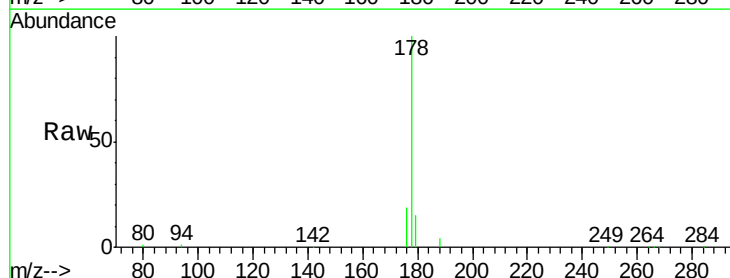
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

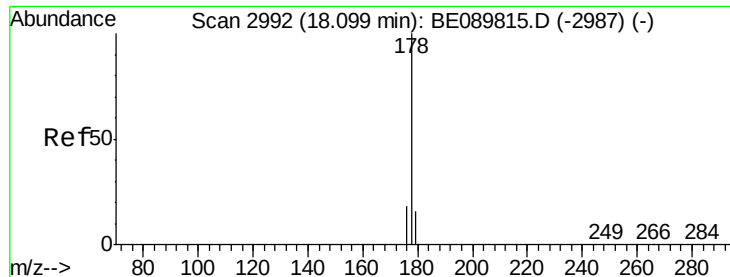
Tgt Ion: 266 Resp: 5638
 Ion Ratio Lower Upper
 266 100
 268 58.4 51.6 77.4
 264 63.1 50.2 75.2



#16
 Phenanthrene
 Concen: 0.45 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089813.D
 Acq: 24 Mar 2015 13:28

Tgt Ion: 178 Resp: 63250
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.0
 179 15.2 12.2 18.4





#17

Anthracene

Concen: 0.43 ng

RT: 18.10 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

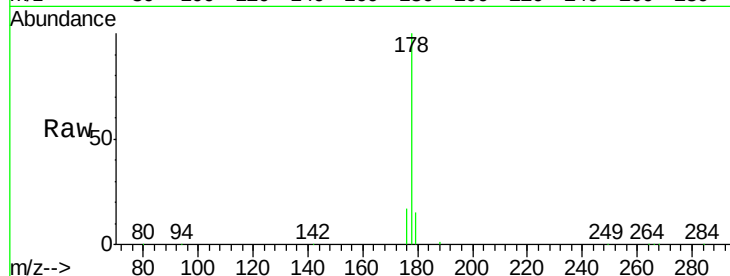
Tgt Ion:178 Resp: 54449

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

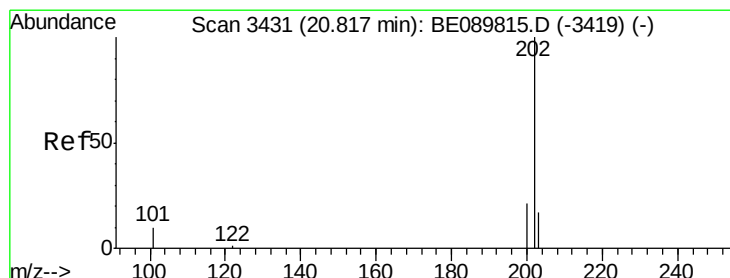
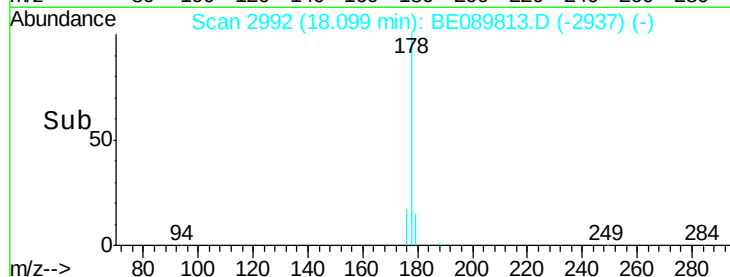
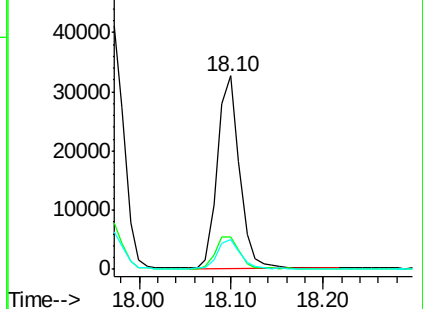
179 15.8 12.1 18.1



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: 0.44 ng

RT: 20.82 min Scan# 3432

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

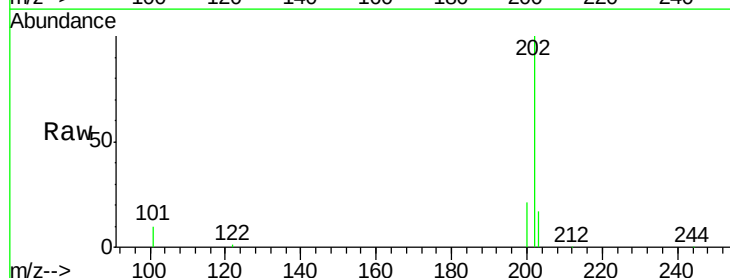
Tgt Ion:202 Resp: 55352

Ion Ratio Lower Upper

202 100

101 9.4 8.2 12.2

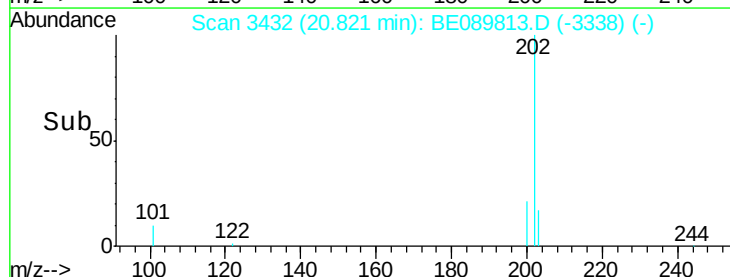
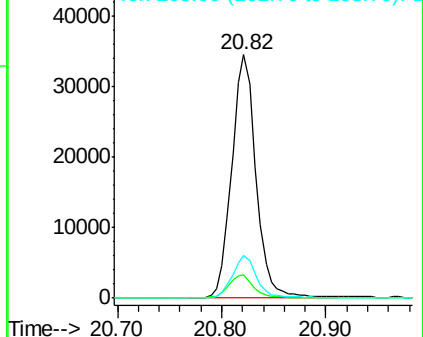
203 17.0 14.2 21.4

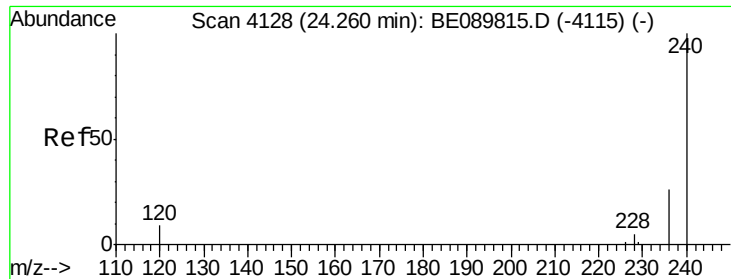


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

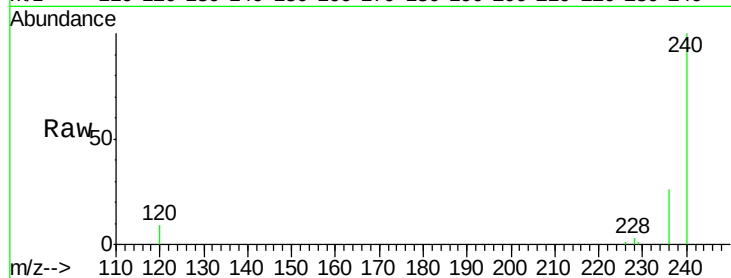
Tgt Ion:240 Resp: 500309

Ion Ratio Lower Upper

240 100

120 9.2 7.5 11.3

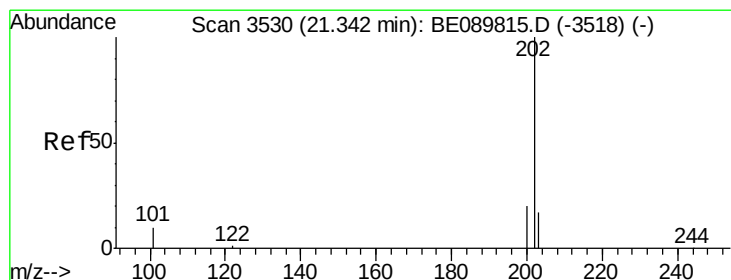
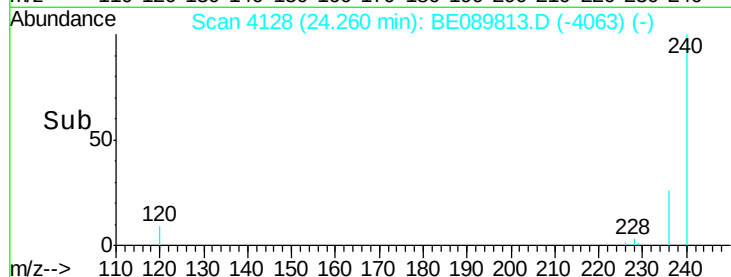
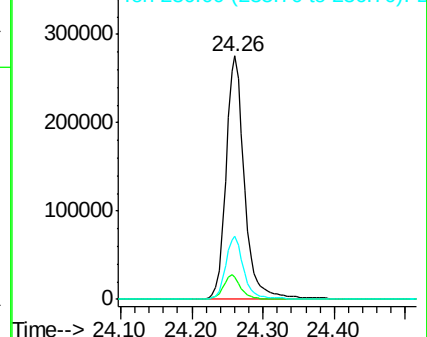
236 26.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.46 ng

RT: 21.34 min Scan# 3530

Delta R.T. -0.01 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

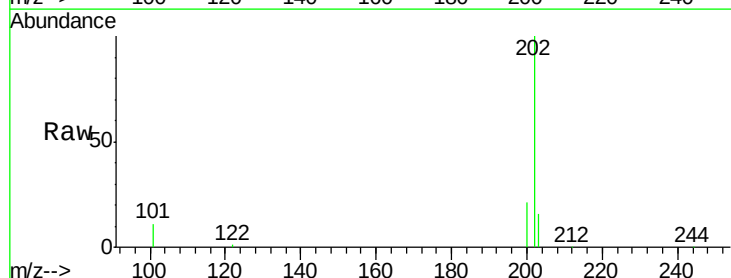
Tgt Ion:202 Resp: 58618

Ion Ratio Lower Upper

202 100

200 20.7 15.9 23.9

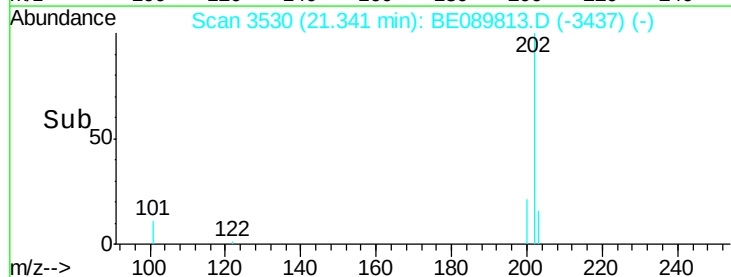
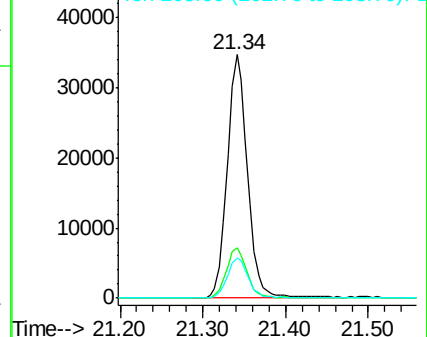
203 16.6 13.6 20.4

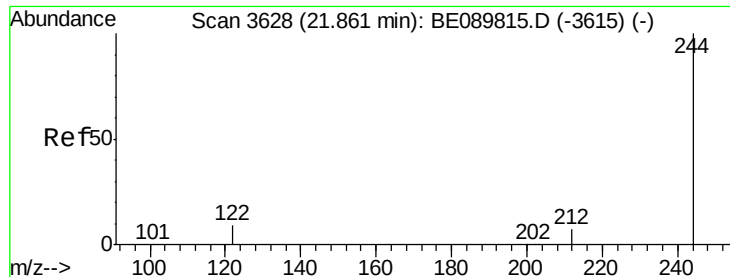


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.47 ng

RT: 21.86 min Scan# 3628

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampled :

SSTDIC0.5

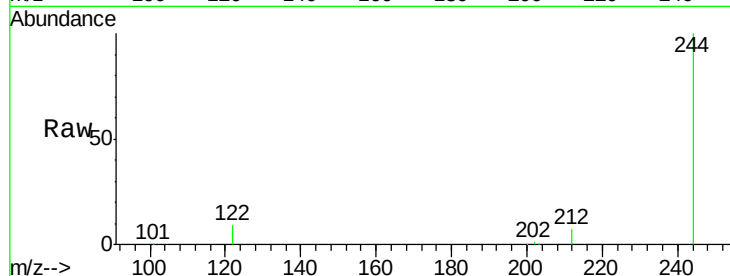
Tgt Ion:244 Resp: 34514

Ion Ratio Lower Upper

244 100

212 7.4 7.3 10.9

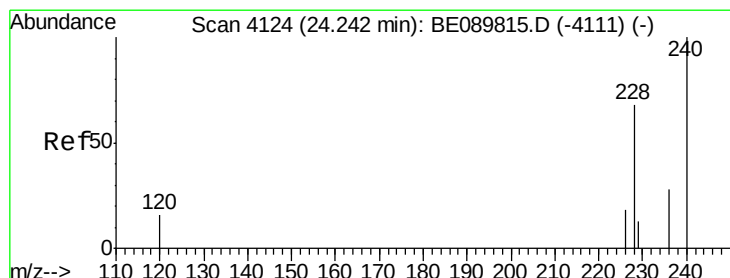
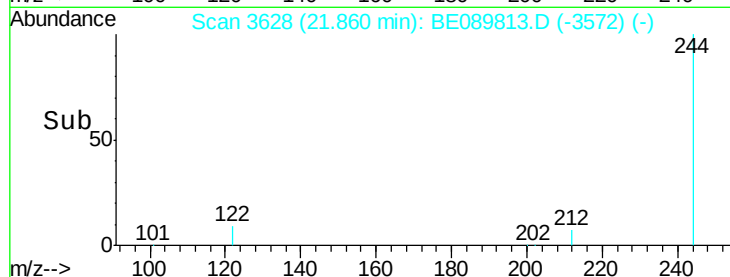
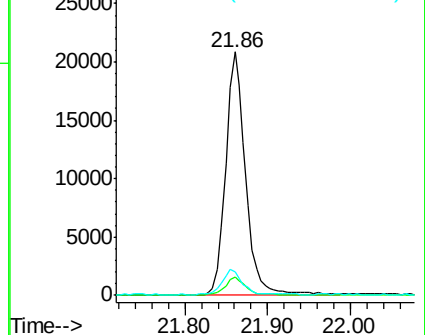
122 9.5 10.5 15.7#



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: 0.42 ng

RT: 24.24 min Scan# 4124

Delta R.T. -0.01 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

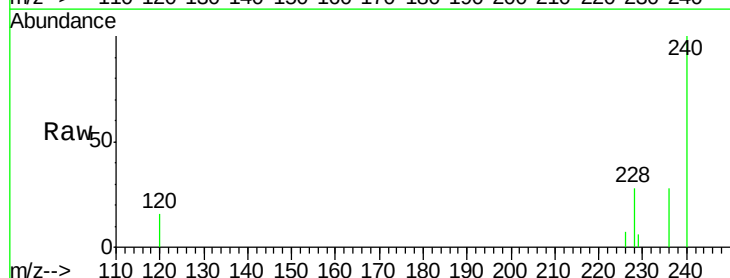
Tgt Ion:228 Resp: 39744

Ion Ratio Lower Upper

228 100

226 26.4 19.8 29.8

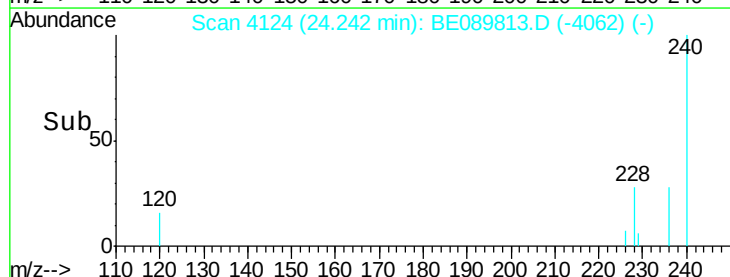
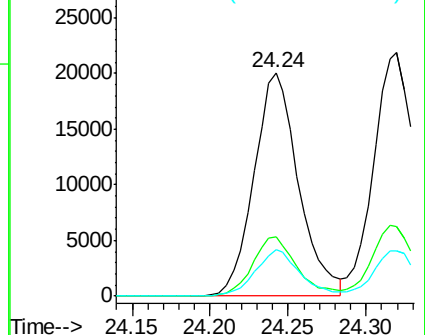
229 20.8 16.3 24.5

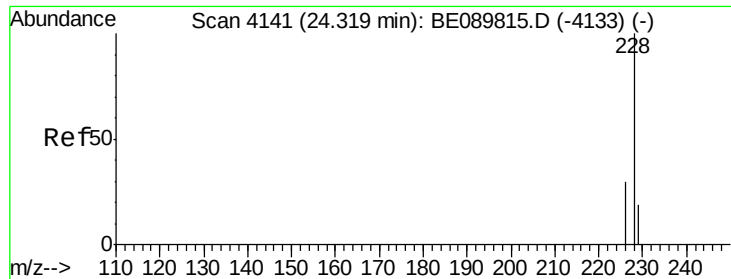


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.46 ng

RT: 24.32 min Scan# 4141

Delta R.T. 0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

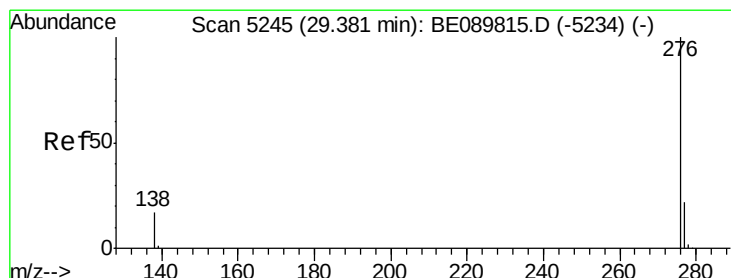
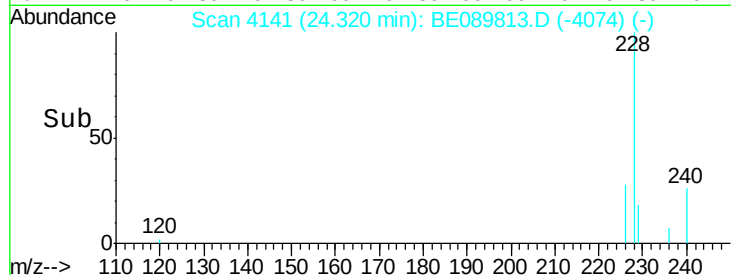
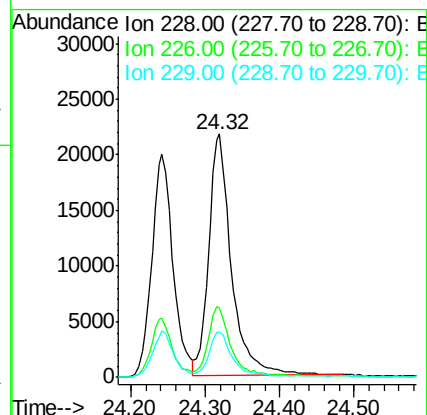
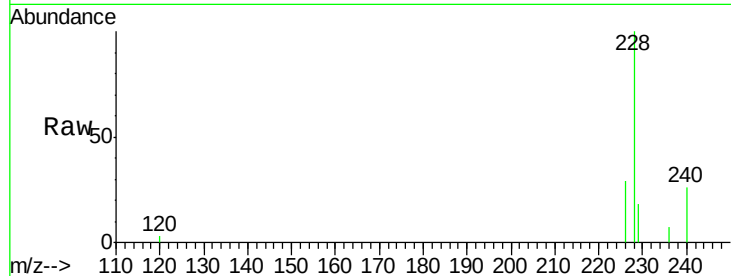
Tgt Ion: 228 Resp: 46519

Ion Ratio Lower Upper

228 100

226 28.6 23.0 34.4

229 18.4 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.50 ng

RT: 29.38 min Scan# 5245

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

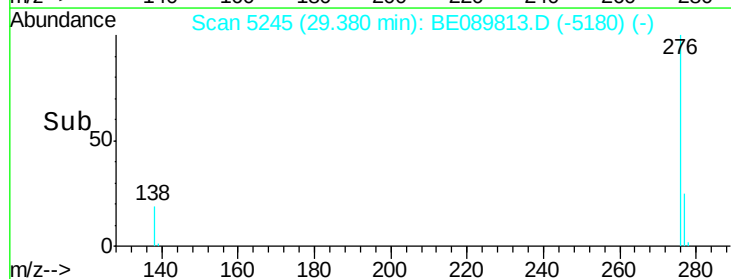
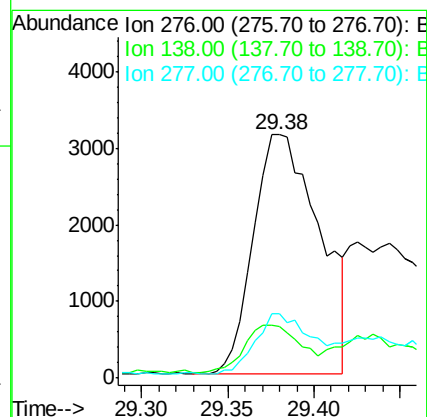
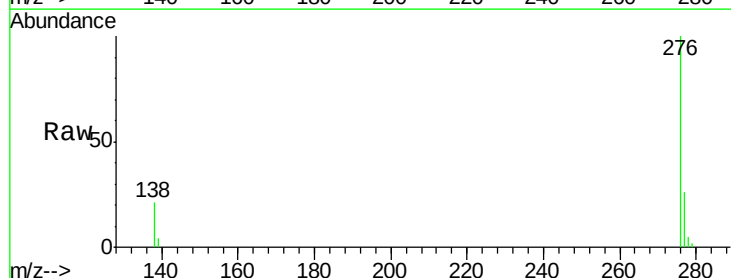
Tgt Ion: 276 Resp: 8337

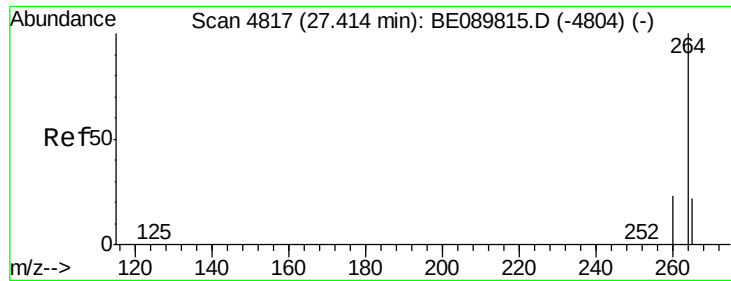
Ion Ratio Lower Upper

276 100

138 16.6 4.3 6.5#

277 20.7 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: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

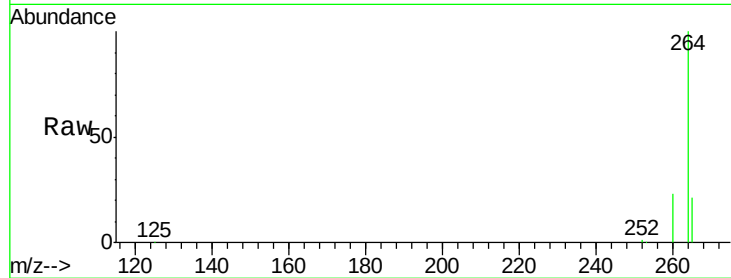
Tgt Ion: 264 Resp: 381761

Ion Ratio Lower Upper

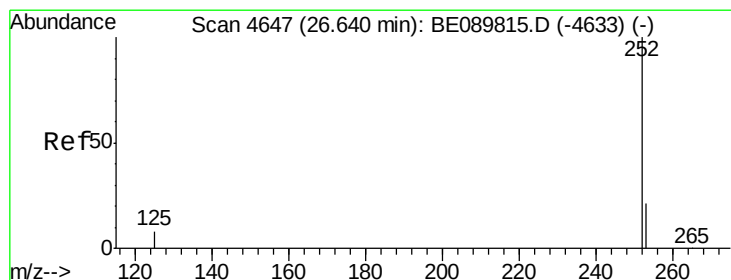
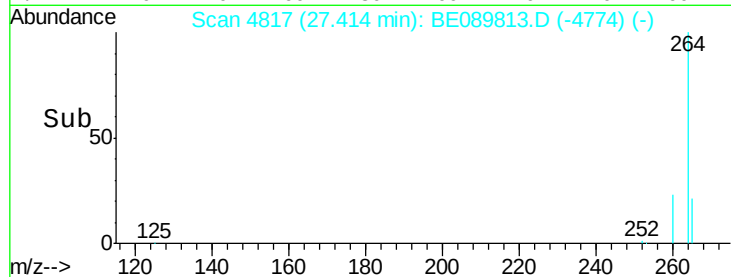
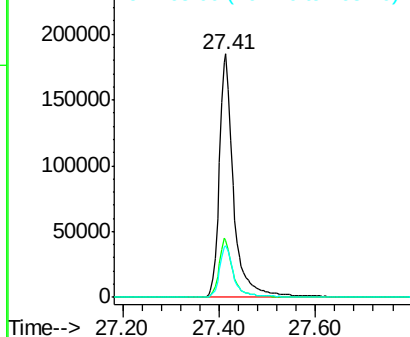
264 100

260 23.4 18.2 27.2

265 21.5 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#26

Benzo(b)fluoranthene

Concen: 0.56 ng

RT: 26.64 min Scan# 4646

Delta R.T. 0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

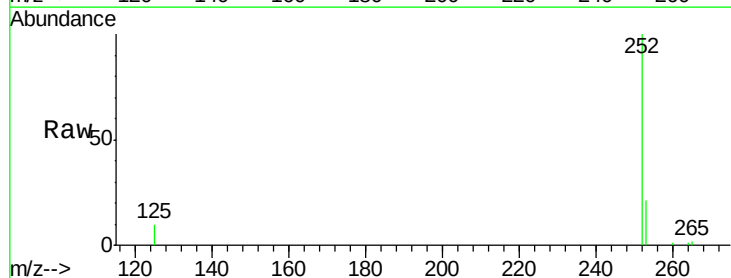
Tgt Ion: 252 Resp: 21304

Ion Ratio Lower Upper

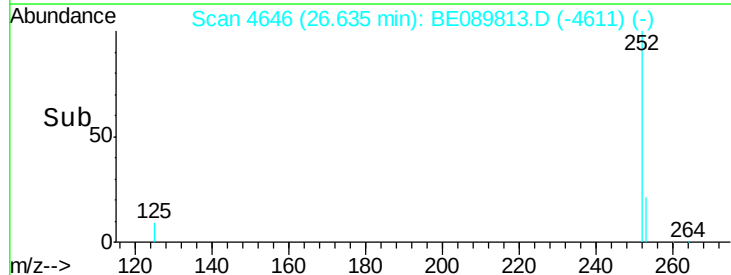
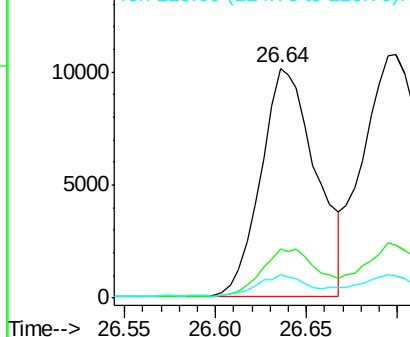
252 100

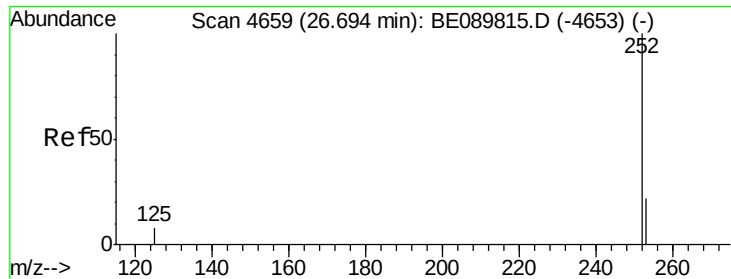
253 21.3 17.8 26.6

125 10.1 8.7 13.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#27

Benzo(k)fluoranthene

Concen: 0.41 ng

RT: 26.70 min Scan# 4660

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

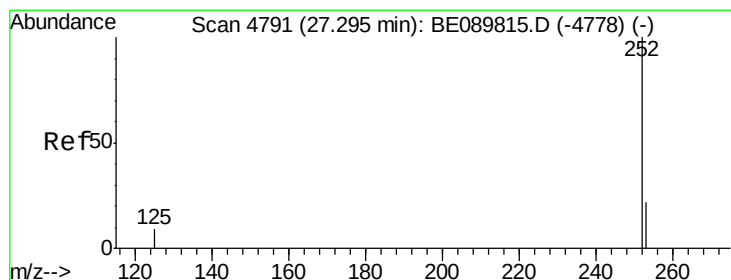
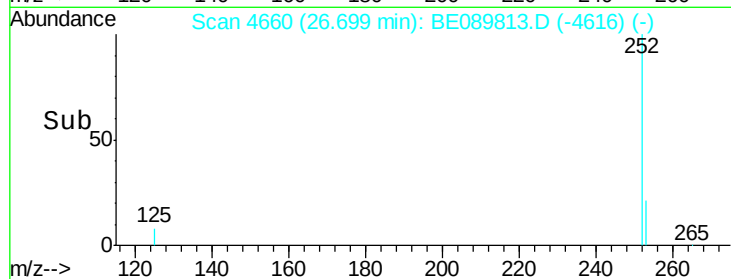
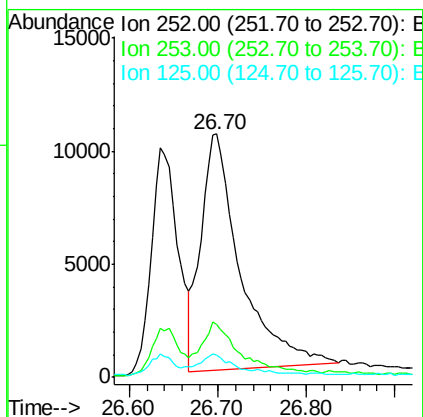
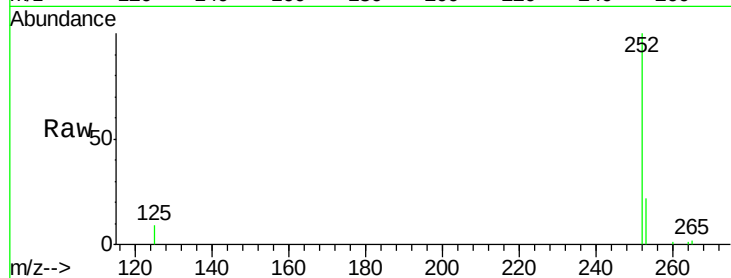
Tgt Ion:252 Resp: 32448

Ion Ratio Lower Upper

252 100

253 21.7 18.6 28.0

125 9.3 10.8 16.2#



#28

Benzo(a)pyrene

Concen: 0.35 ng

RT: 27.41 min Scan# 4816

Delta R.T. 0.11 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

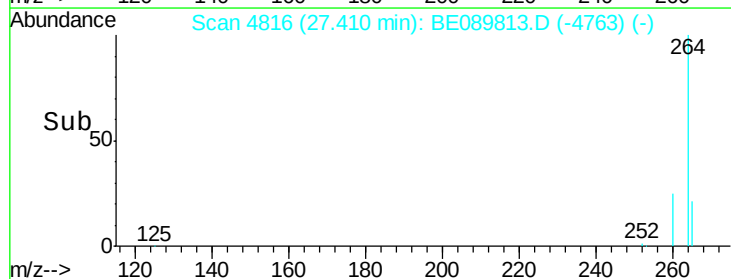
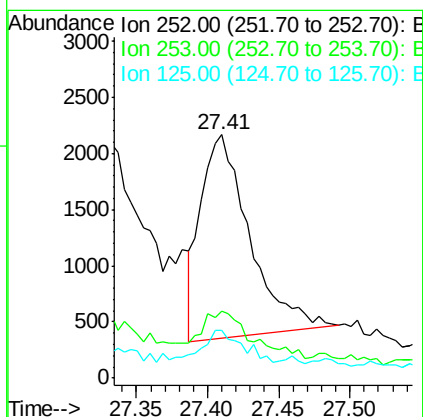
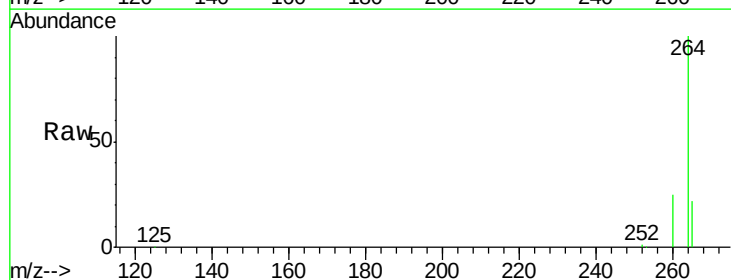
Tgt Ion:252 Resp: 4299

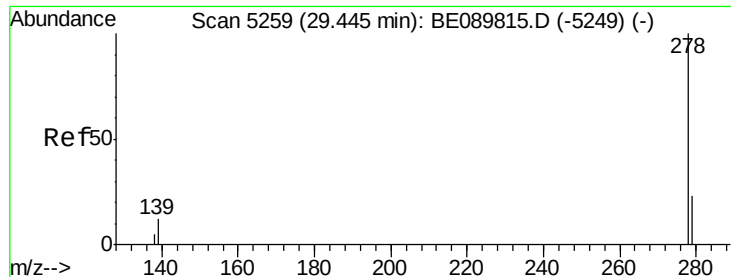
Ion Ratio Lower Upper

252 100

253 27.7 21.0 31.4

125 19.5 13.3 19.9





#29

Dibenzo(a,h)anthracene

Concen: 0.55 ng

RT: 29.44 min Scan# 5258

Delta R.T. -0.00 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

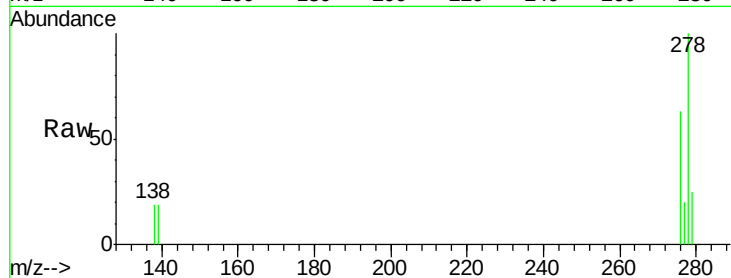
Tgt Ion: 278 Resp: 10051

Ion Ratio Lower Upper

278 100

139 19.4 20.0 30.0#

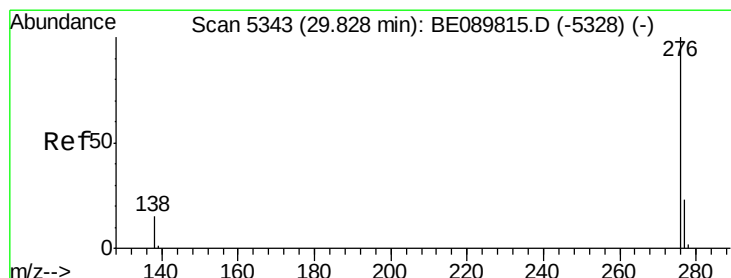
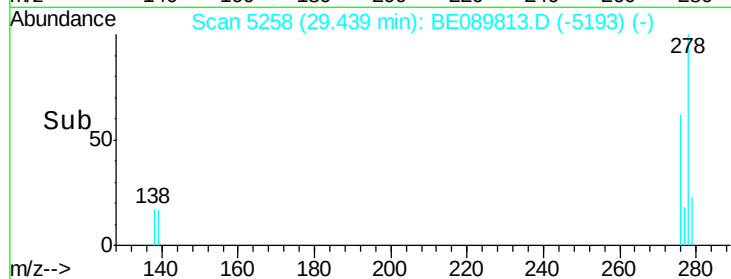
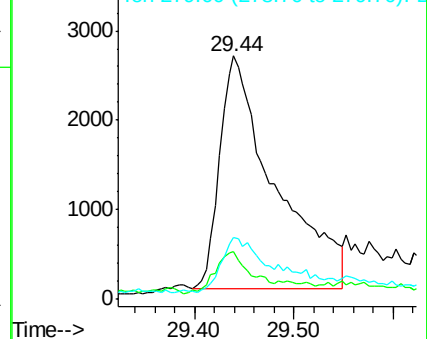
279 25.4 28.9 43.3#



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: 0.48 ng

RT: 29.83 min Scan# 5343

Delta R.T. 0.01 min

Lab File: BE089813.D

Acq: 24 Mar 2015 13:28

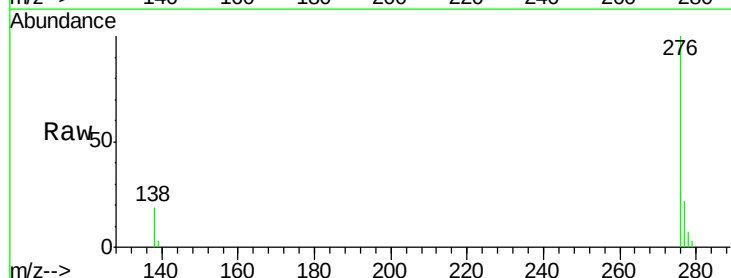
Tgt Ion: 276 Resp: 18621

Ion Ratio Lower Upper

276 100

277 22.0 19.2 28.8

138 18.6 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

