

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032615\
 Data File : BE089868.D
 Acq On : 26 Mar 2015 22:14
 Operator : TP/JJ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDBE032615

Quant Time: Mar 27 02:42:45 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 02:24:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	117430	5.00	ng	0.00
4) Naphthalene-d8	10.23	136	491232	5.00	ng	0.00
8) Acenaphthene-d10	14.36	164	293248	5.00	ng	0.00
13) Phenanthrene-d10	17.89	188	544306	5.00	ng	0.00
19) Chrysene-d12	24.23	240	509221	5.00	ng	0.00
25) Perylene-d12	27.38	264	409124	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.65	82	60717	2.07	ng	0.00
9) 2-Fluorobiphenyl	12.82	172	201243	3.04	ng	0.00
21) Terphenyl-d14	21.83	244	250796	3.61	ng	0.00

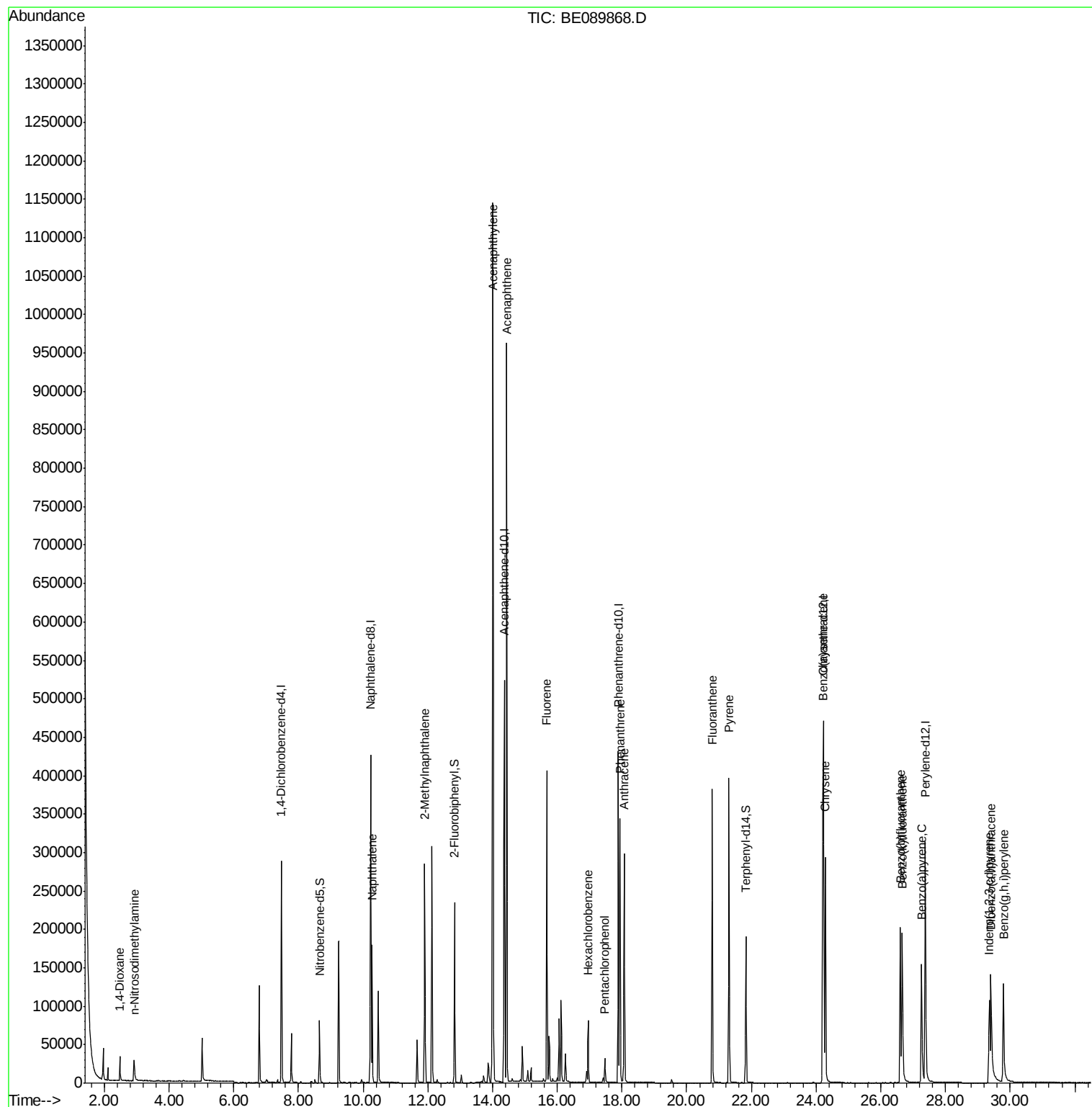
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.48	88	16773	1.08	ng	93
3) n-Nitrosodimethylamine	2.91	42	22174	1.18	ng	# 72
6) Naphthalene	10.28	128	203046	2.01	ng	95
7) 2-Methylnaphthalene	11.90	142	175166	2.62	ng	99
10) Acenaphthylene	14.01	152	1390810	3.21	ng	99
11) Acenaphthene	14.44	154	199295	3.04	ng	86
12) Fluorene	15.68	166	263684	3.41	ng	95
14) Hexachlorobenzene	16.95	284	54107	3.23	ng	98
15) Pentachlorophenol	17.48	266	23158	0.12	ng	97
16) Phenanthrene	17.94	178	379095	3.46	ng	100
17) Anthracene	18.07	178	367274	3.39	ng	99
18) Fluoranthene	20.79	202	393981	3.28	ng	99
20) Pyrene	21.31	202	409641	3.37	ng	98
22) Benzo(a)anthracene	24.21	228	333545	3.45	ng	98
23) Chrysene	24.29	228	336213	3.46	ng	99
24) Indeno(1,2,3-cd)pyrene	29.35	276	260583m	2.83	ng	
26) Benzo(b)fluoranthene	26.60	252	277595	3.29	ng	98
27) Benzo(k)fluoranthene	26.66	252	328163	3.29	ng	# 93
28) Benzo(a)pyrene	27.26	252	251410	3.20	ng	# 89
29) Dibenzo(a,h)anthracene	29.41	278	202163	3.27	ng	# 78
30) Benzo(g,h,i)perylene	29.79	276	224941	3.12	ng	# 88

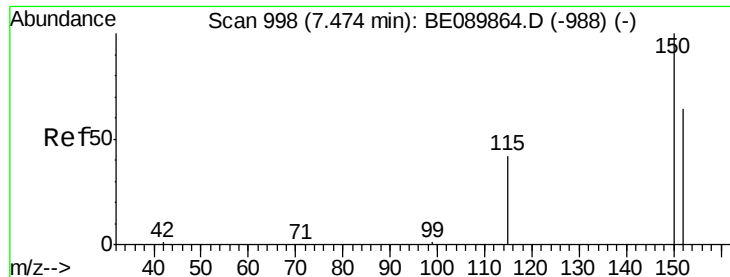
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.47 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

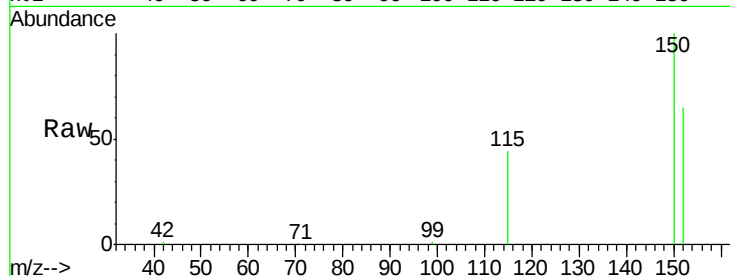
Tgt Ion:152 Resp: 117430

Ion Ratio Lower Upper

152 100

150 153.2 125.5 188.3

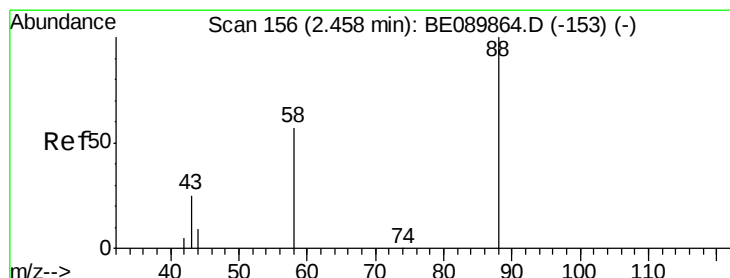
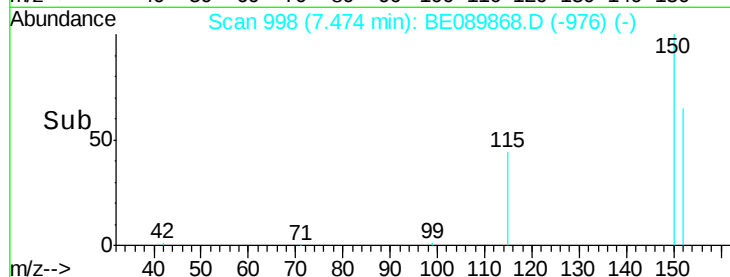
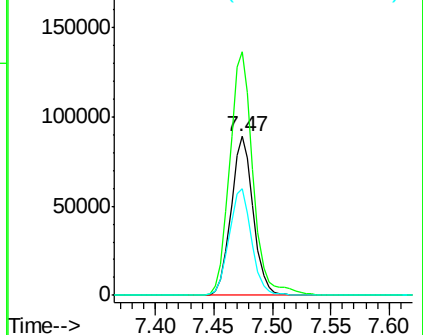
115 66.7 58.0 87.0



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: 1.08 ng

RT: 2.48 min Scan# 159

Delta R.T. 0.02 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

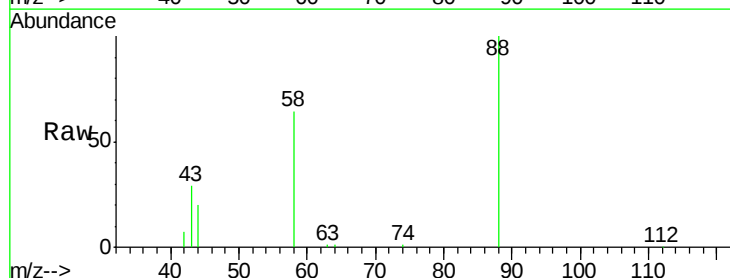
Tgt Ion: 88 Resp: 16773

Ion Ratio Lower Upper

88 100

58 67.5 48.6 72.8

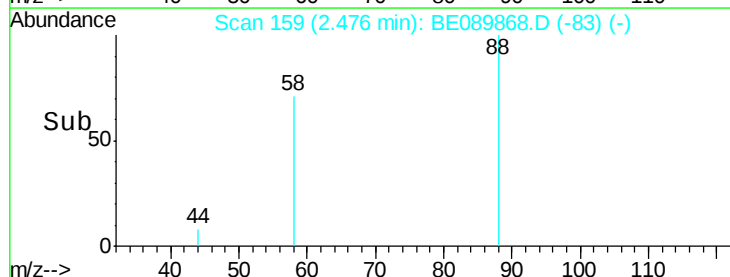
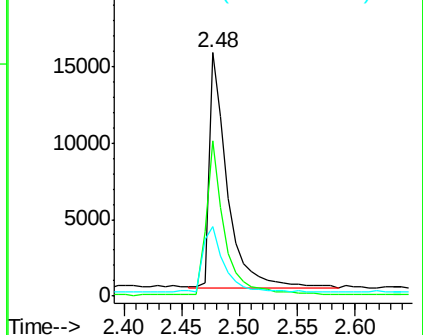
43 33.0 28.6 43.0

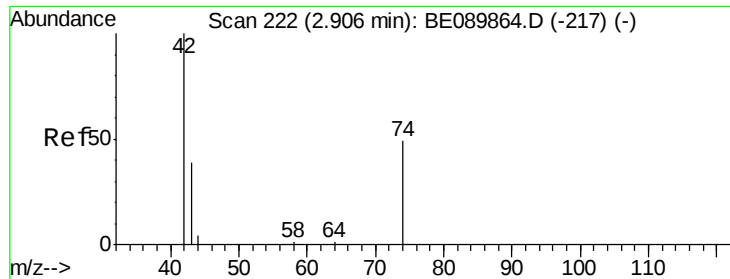


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



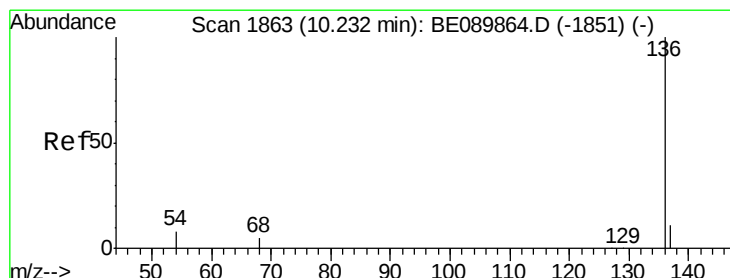
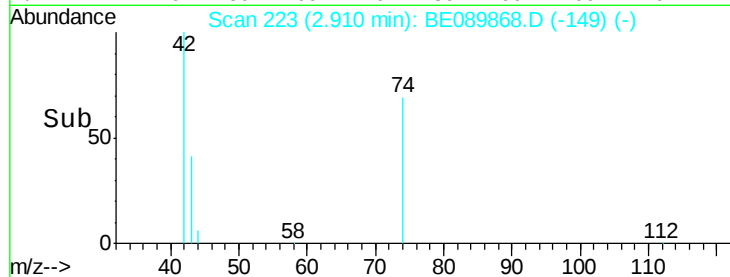
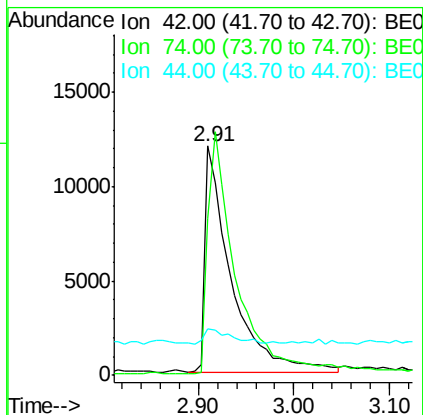
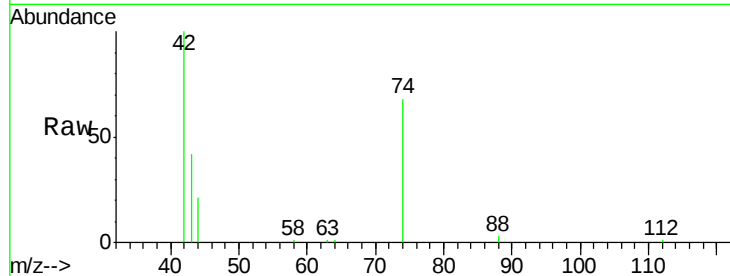


#3

n-Nitrosodimethylamine
 Concen: 1.18 ng
 RT: 2.91 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: BE089868.D
 Acq: 26 Mar 2015 22:14

Instrument :
 BNA_E
 ClientSampleId :
 SSTDBE032615

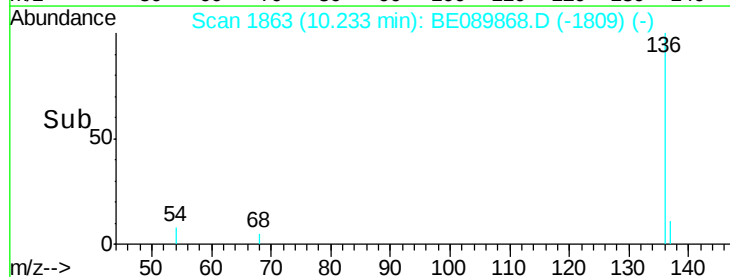
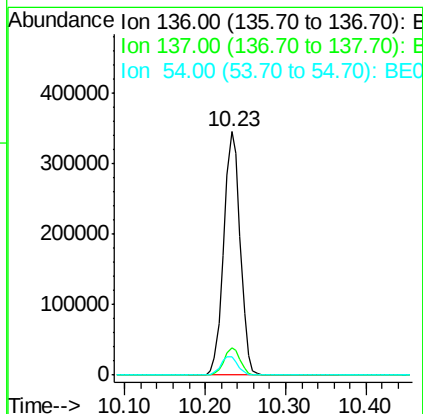
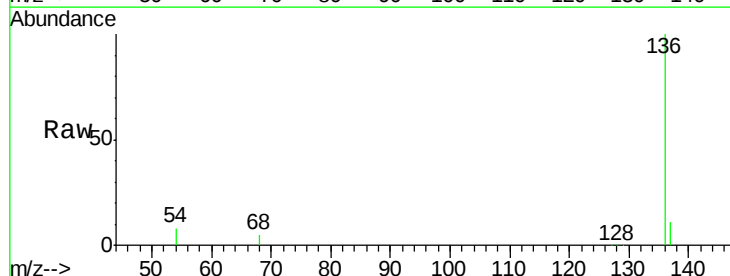
Tgt Ion: 42 Resp: 22174
 Ion Ratio Lower Upper
 42 100
 74 113.5 68.7 103.1#
 44 8.3 6.2 9.4

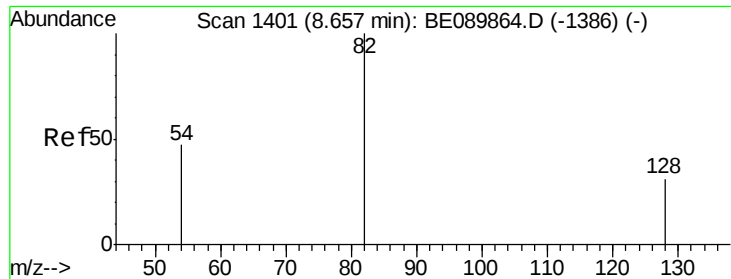


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.23 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BE089868.D
 Acq: 26 Mar 2015 22:14

Tgt Ion: 136 Resp: 491232
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.8 13.2
 54 7.6 7.0 10.4





#5

Nitrobenzene-d5

Concen: 2.07 ng

RT: 8.65 min Scan# 1399

Delta R.T. -0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

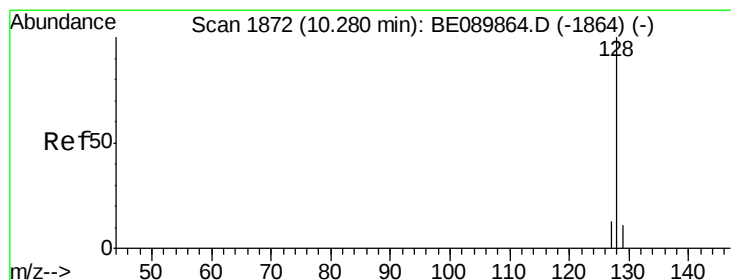
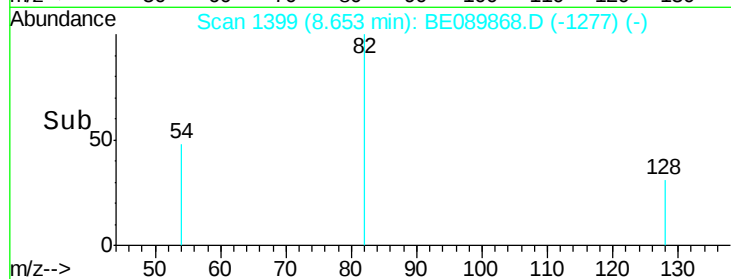
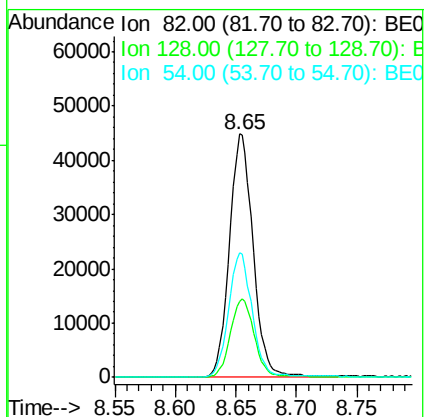
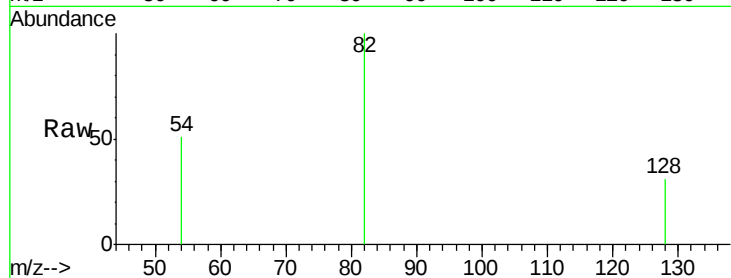
Tgt Ion: 82 Resp: 60717

Ion Ratio Lower Upper

82 100

128 31.1 24.6 37.0

54 51.0 43.0 64.6



#6

Naphthalene

Concen: 2.01 ng

RT: 10.28 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

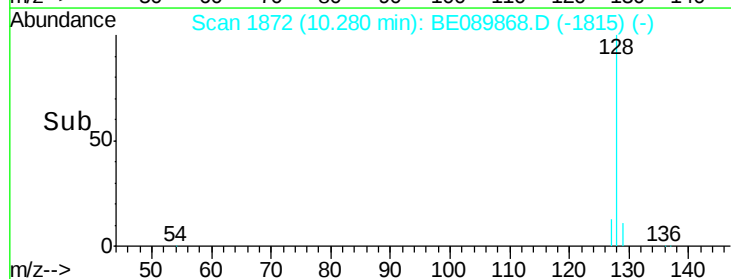
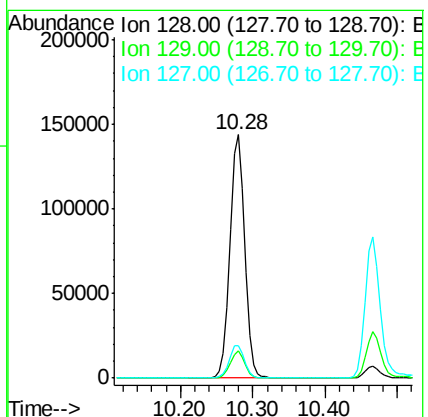
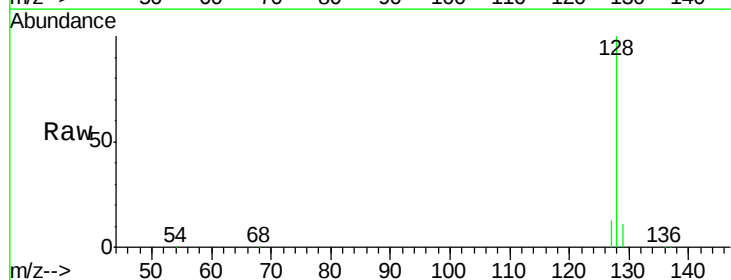
Tgt Ion: 128 Resp: 203046

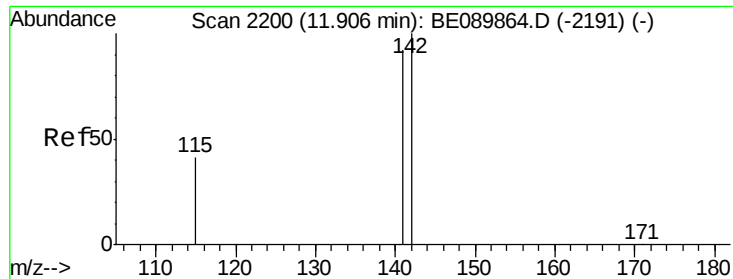
Ion Ratio Lower Upper

128 100

129 11.1 10.0 15.0

127 13.4 12.5 18.7





#7

2-Methylnaphthalene

Concen: 2.62 ng

RT: 11.90 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

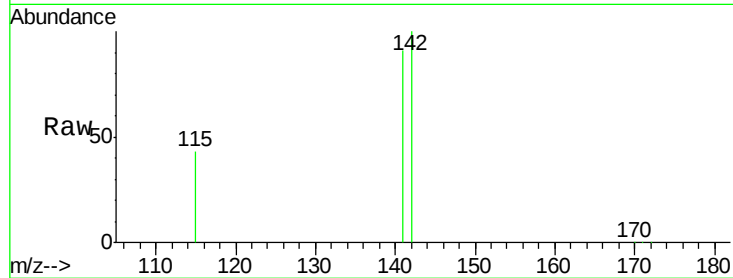
Tgt Ion:142 Resp: 175166

Ion Ratio Lower Upper

142 100

141 90.7 72.8 109.2

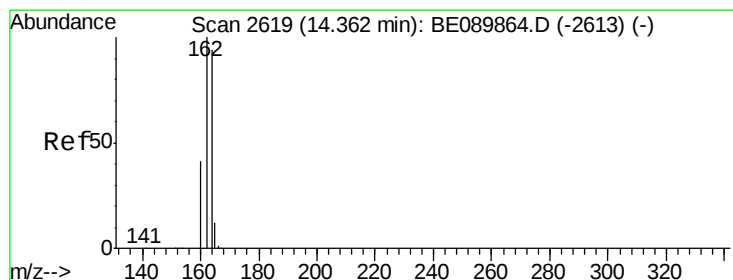
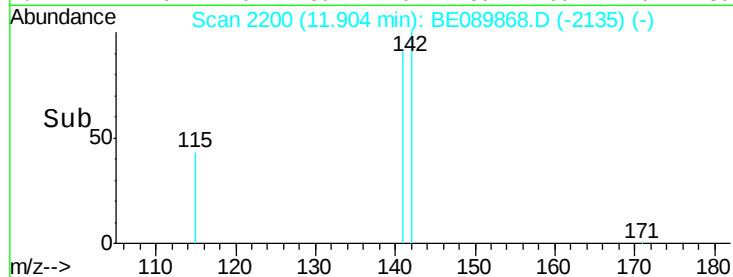
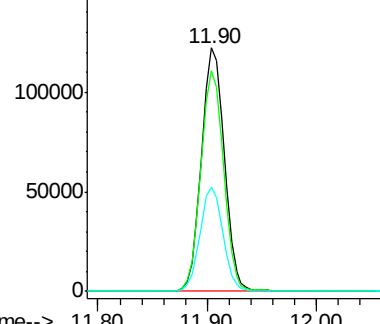
115 42.6 32.9 49.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.36 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

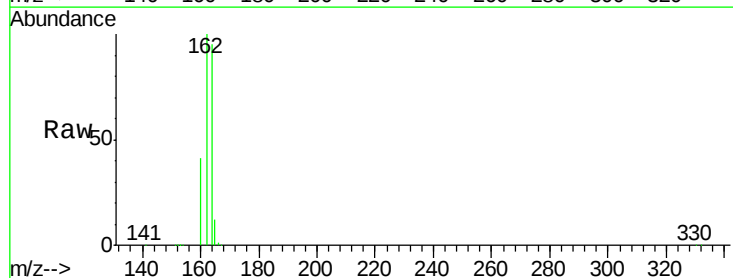
Tgt Ion:164 Resp: 293248

Ion Ratio Lower Upper

164 100

162 105.4 87.6 131.4

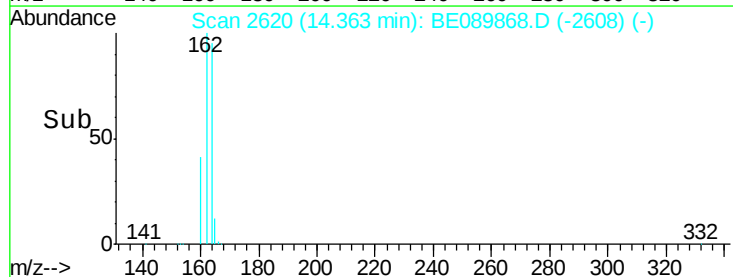
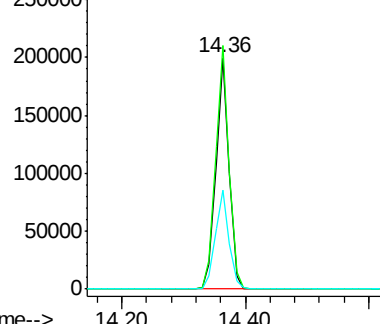
160 42.7 36.7 55.1

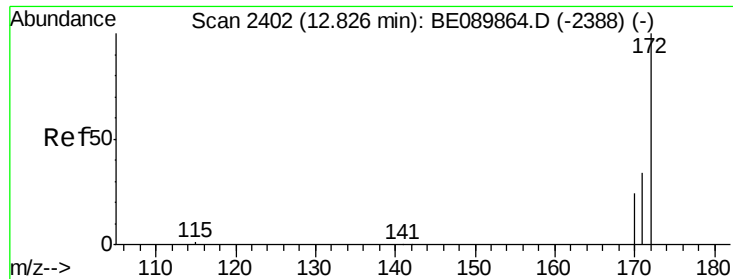


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 3.04 ng

RT: 12.82 min Scan# 2402

Delta R.T. -0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

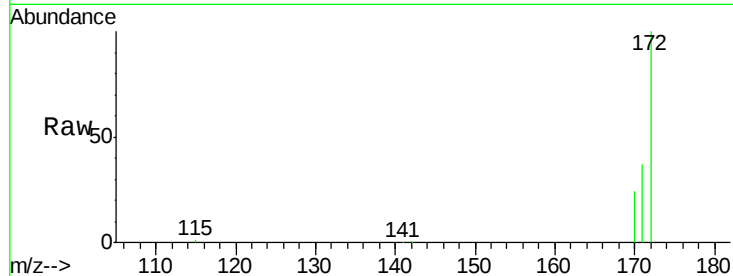
Tgt Ion:172 Resp: 201243

Ion Ratio Lower Upper

172 100

171 36.9 30.8 46.2

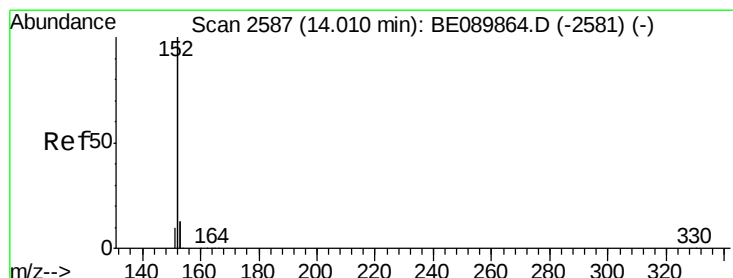
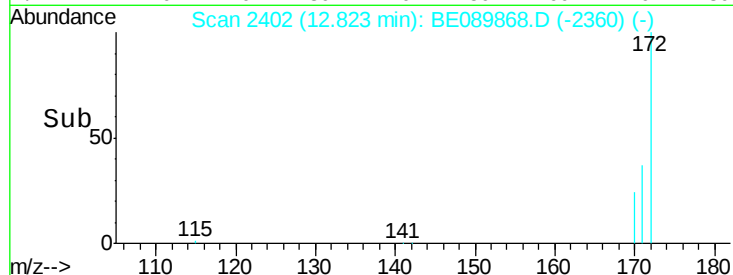
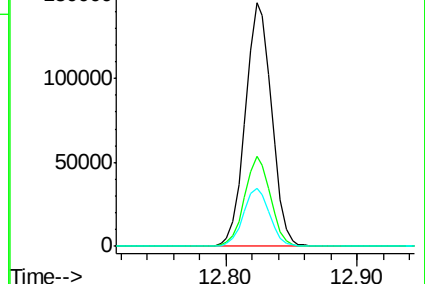
170 24.1 21.0 31.4



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: 3.21 ng

RT: 14.01 min Scan# 2588

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

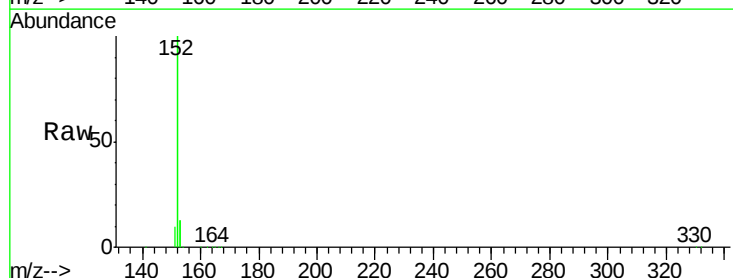
Tgt Ion:152 Resp: 1390810

Ion Ratio Lower Upper

152 100

151 5.1 3.9 5.9

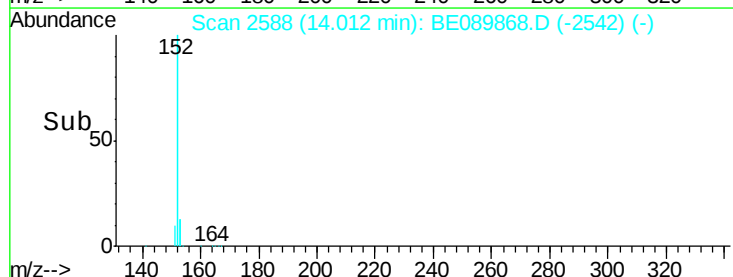
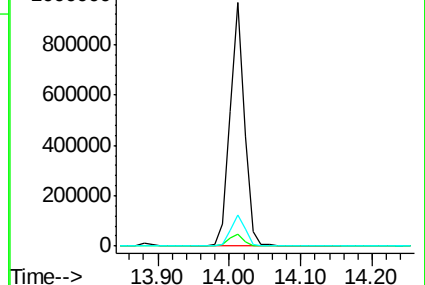
153 13.1 11.0 16.4

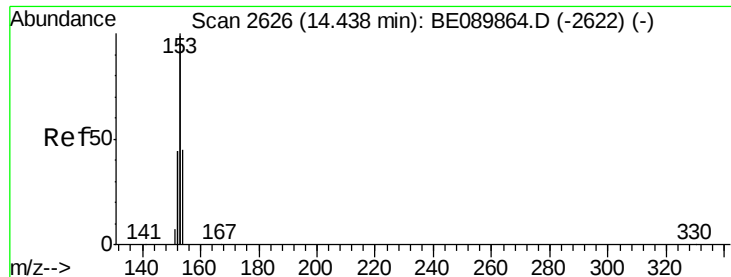


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 3.04 ng

RT: 14.44 min Scan# 2627

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

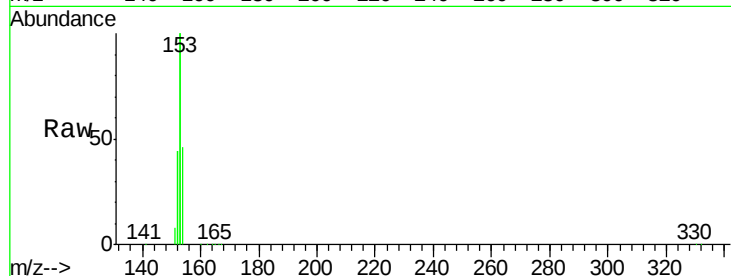
Tgt Ion:154 Resp: 199295

Ion Ratio Lower Upper

154 100

153 465.5 401.5 602.3

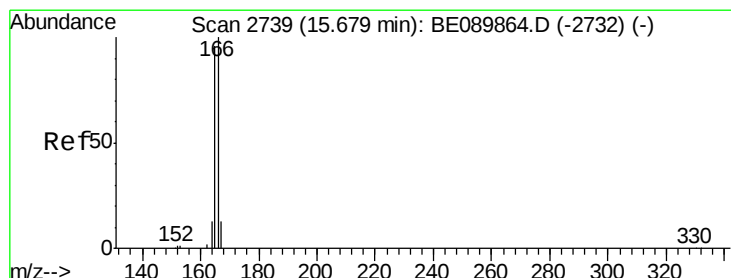
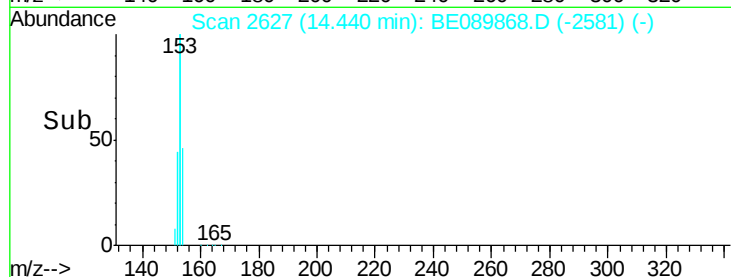
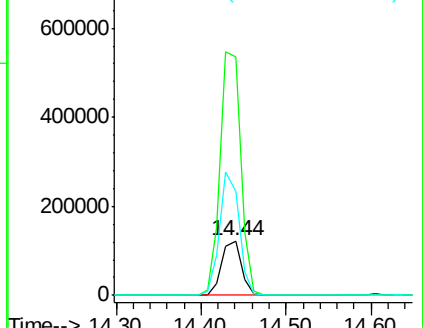
152 221.9 198.6 298.0



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: 3.41 ng

RT: 15.68 min Scan# 2740

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

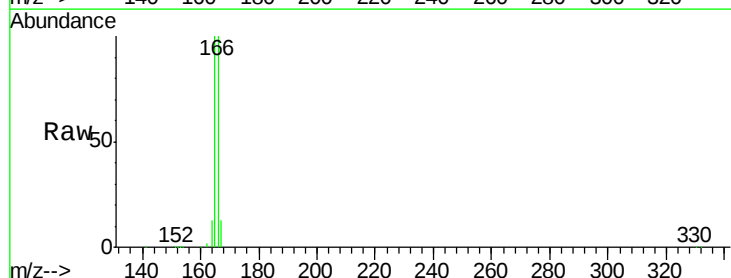
Tgt Ion:166 Resp: 263684

Ion Ratio Lower Upper

166 100

165 100.8 85.1 127.7

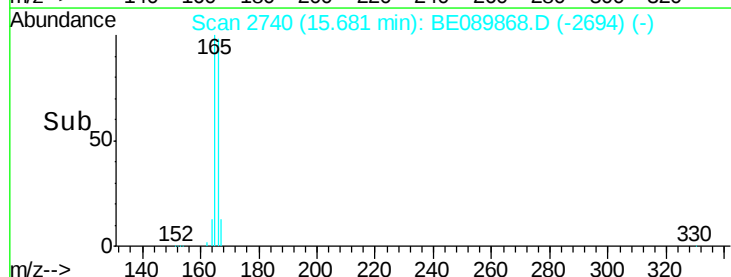
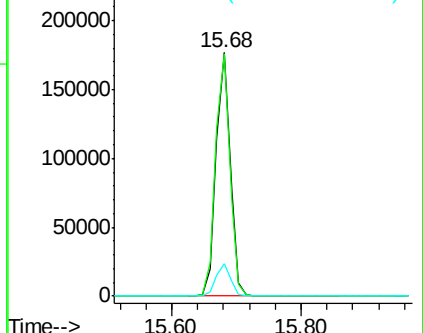
167 13.4 12.2 18.4

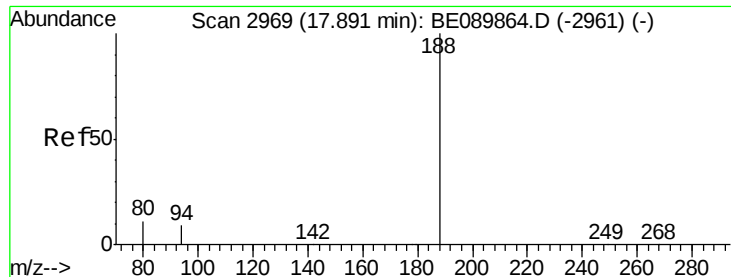


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

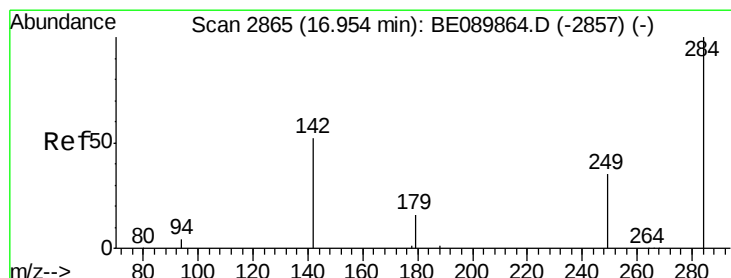
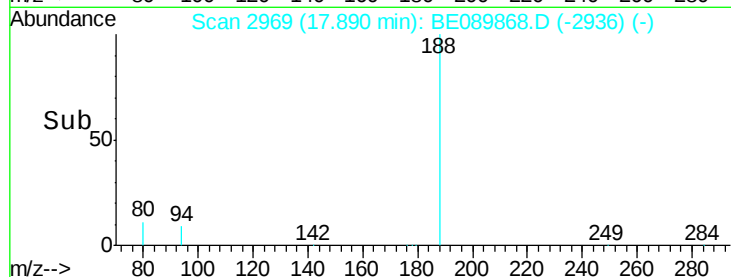
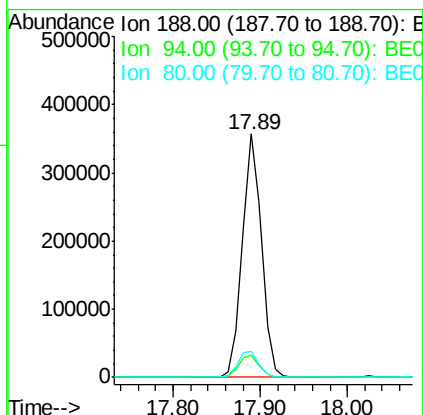
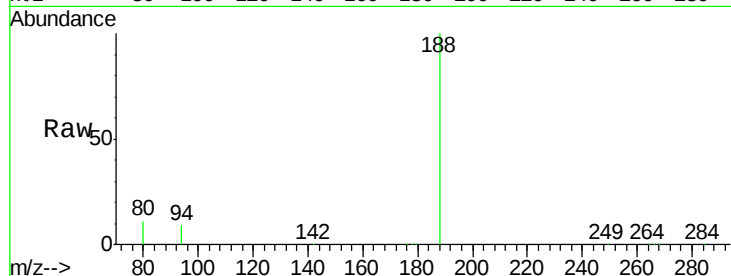




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.89 min Scan# 2969
Delta R.T. -0.00 min
Lab File: BE089868.D
Acq: 26 Mar 2015 22:14

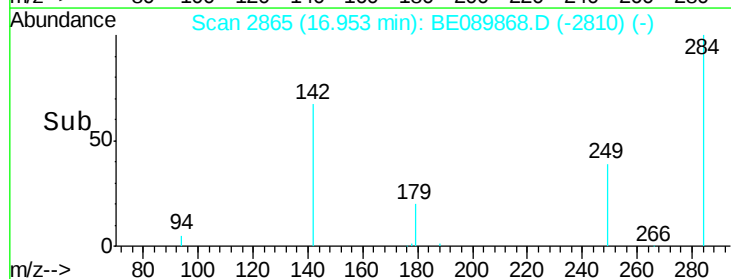
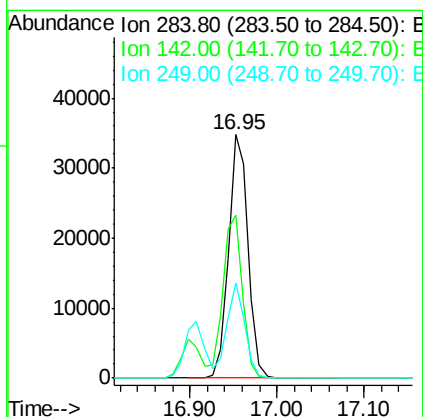
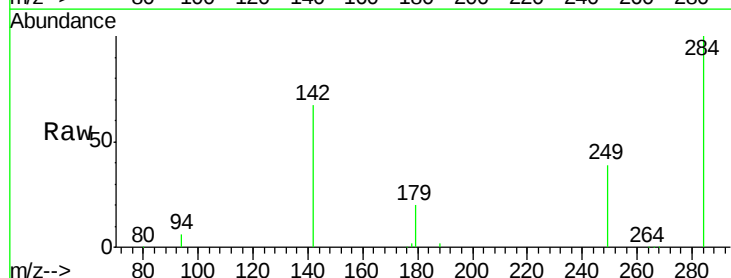
Instrument :
BNA_E
ClientSampleId :
SSTDBE032615

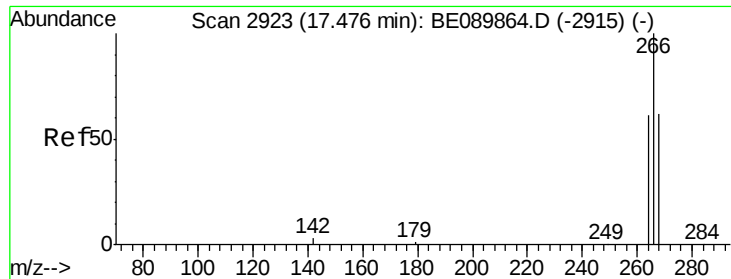
Tgt Ion:188 Resp: 544306
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.9 10.0 15.0



#14
Hexachlorobenzene
Concen: 3.23 ng
RT: 16.95 min Scan# 2865
Delta R.T. -0.00 min
Lab File: BE089868.D
Acq: 26 Mar 2015 22:14

Tgt Ion:284 Resp: 54107
Ion Ratio Lower Upper
284 100
142 67.7 53.3 79.9
249 36.6 31.1 46.7

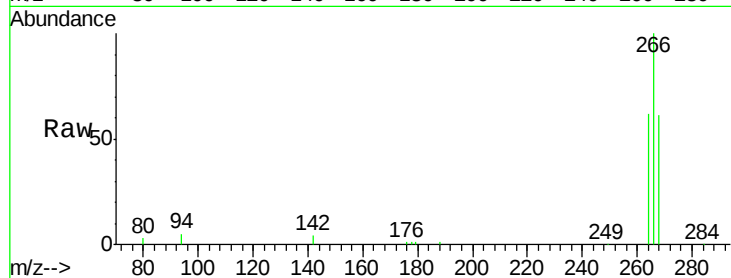




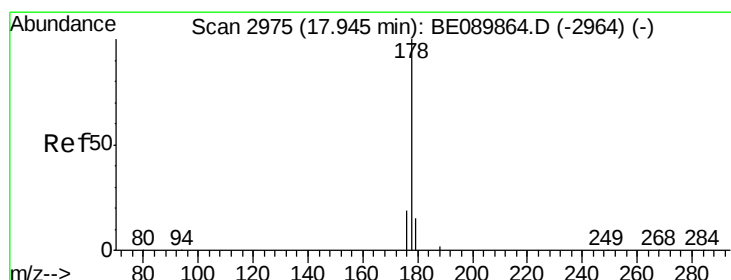
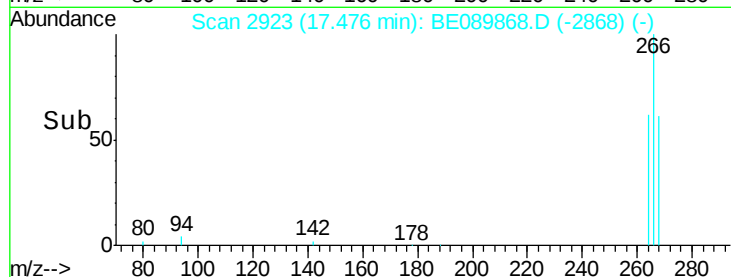
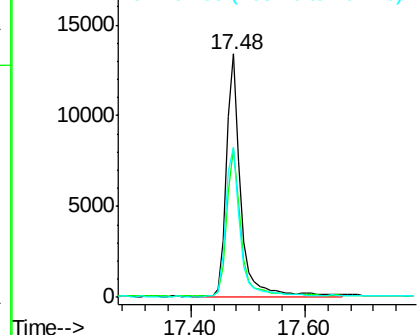
#15
 Pentachlorophenol
 Concen: 0.12 ng
 RT: 17.48 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: BE089868.D
 Acq: 26 Mar 2015 22:14

Instrument :
 BNA_E
 ClientSampleId :
 SSTDBE032615

Tgt Ion:266 Resp: 23158
 Ion Ratio Lower Upper
 266 100
 268 61.0 51.6 77.4
 264 61.8 50.2 75.2

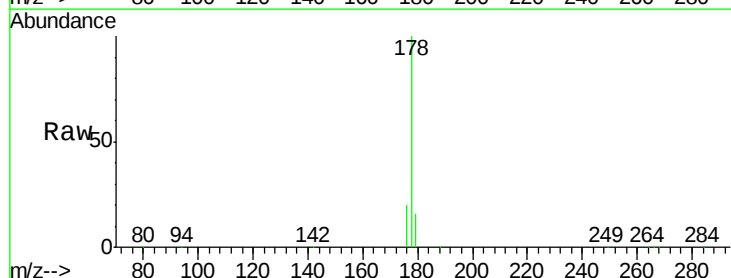


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

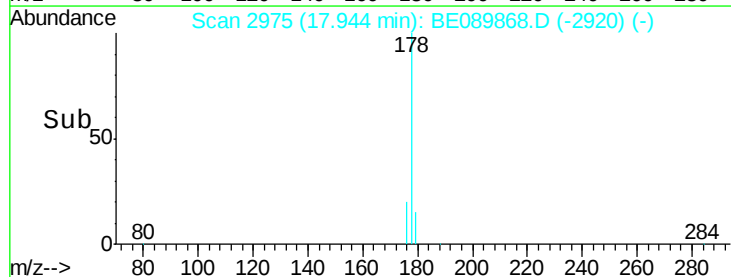
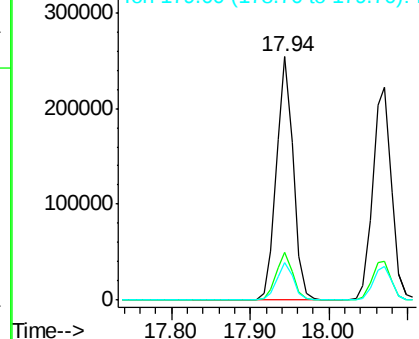


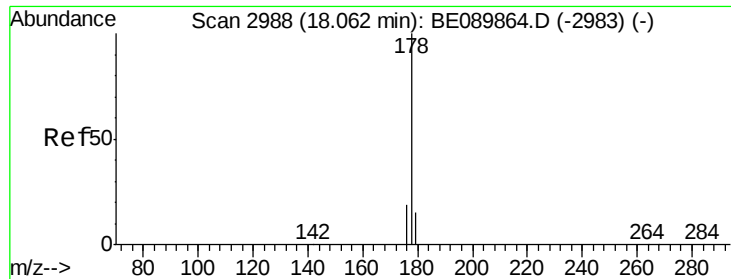
#16
 Phenanthrene
 Concen: 3.46 ng
 RT: 17.94 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: BE089868.D
 Acq: 26 Mar 2015 22:14

Tgt Ion:178 Resp: 379095
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.0
 179 15.5 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

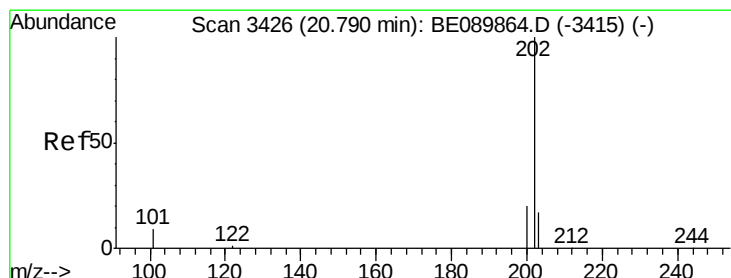
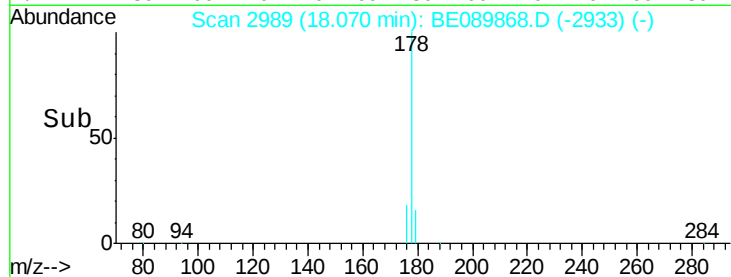
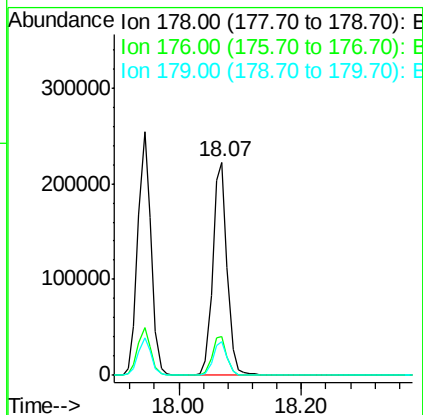
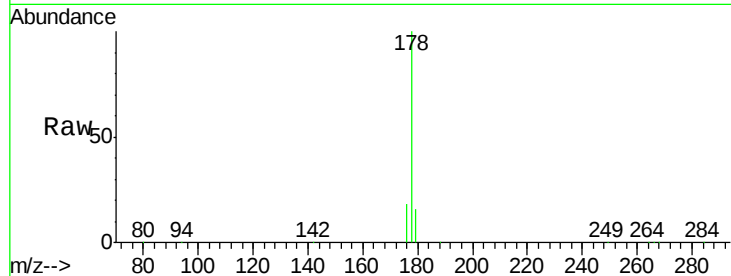




#17
 Anthracene
 Concen: 3.39 ng
 RT: 18.07 min Scan# 2989
 Delta R.T. 0.01 min
 Lab File: BE089868.D
 Acq: 26 Mar 2015 22:14

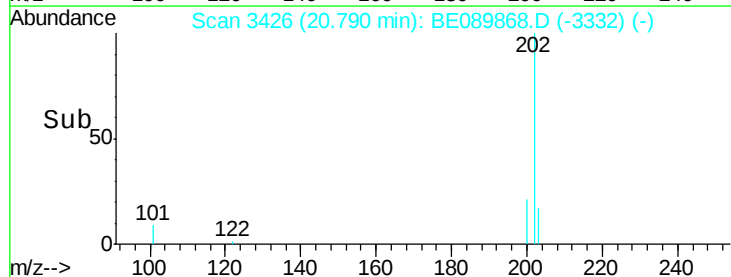
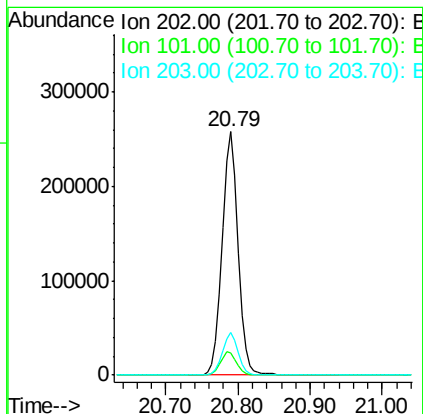
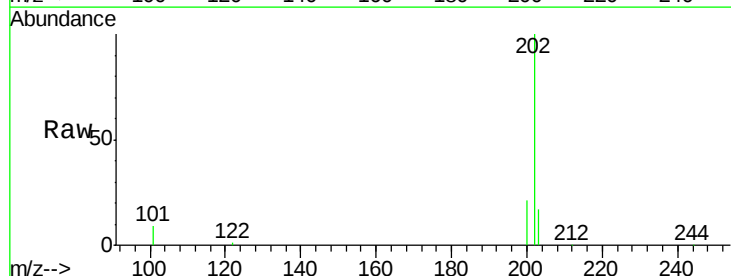
Instrument :
 BNA_E
 ClientSampleId :
 SSTDBE032615

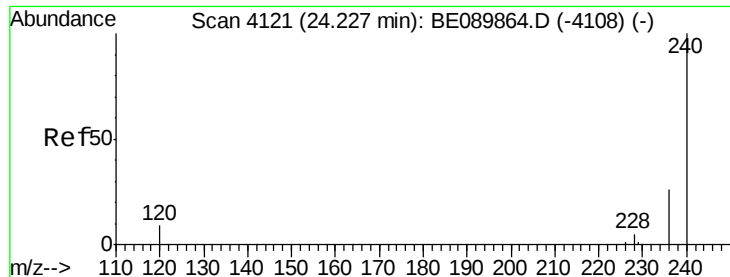
Tgt Ion:178 Resp: 367274
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 21.8
 179 15.5 12.1 18.1



#18
 Fluoranthene
 Concen: 3.28 ng
 RT: 20.79 min Scan# 3426
 Delta R.T. -0.00 min
 Lab File: BE089868.D
 Acq: 26 Mar 2015 22:14

Tgt Ion:202 Resp: 393981
 Ion Ratio Lower Upper
 202 100
 101 9.6 8.2 12.2
 203 17.3 14.2 21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.23 min Scan# 4121

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

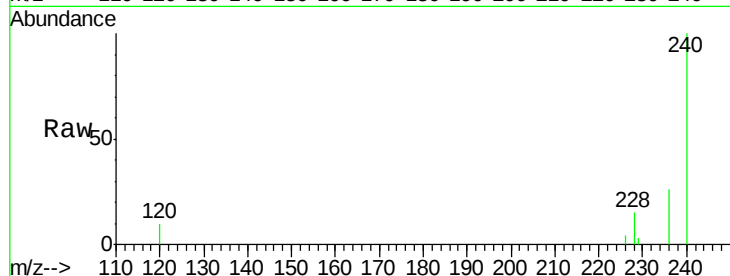
Tgt Ion:240 Resp: 509221

Ion Ratio Lower Upper

240 100

120 9.6 7.5 11.3

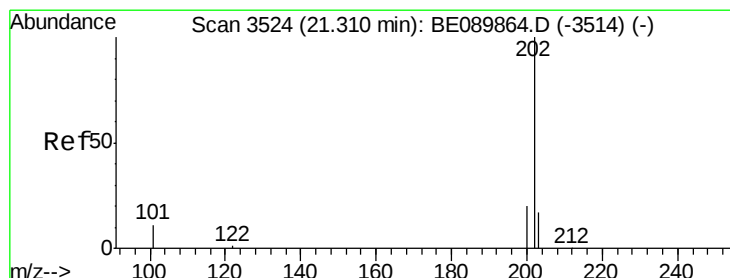
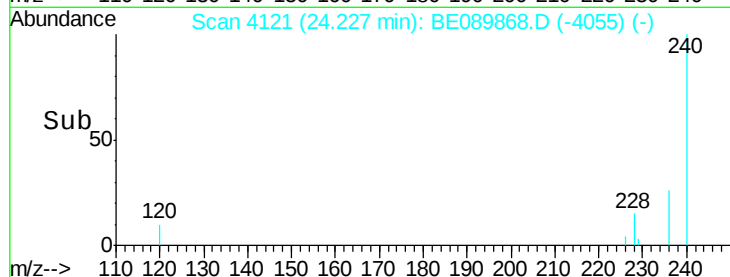
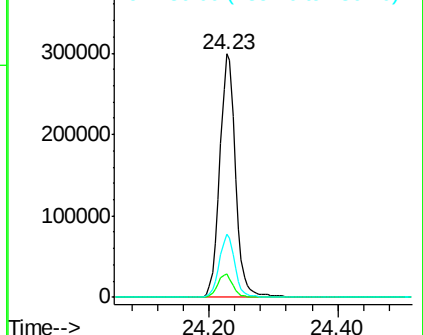
236 26.0 20.5 30.7



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: 3.37 ng

RT: 21.31 min Scan# 3524

Delta R.T. -0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

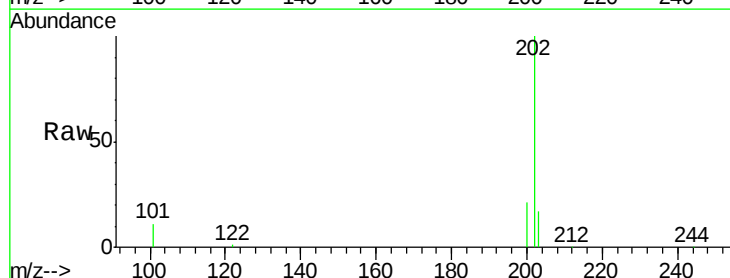
Tgt Ion:202 Resp: 409641

Ion Ratio Lower Upper

202 100

200 21.1 15.9 23.9

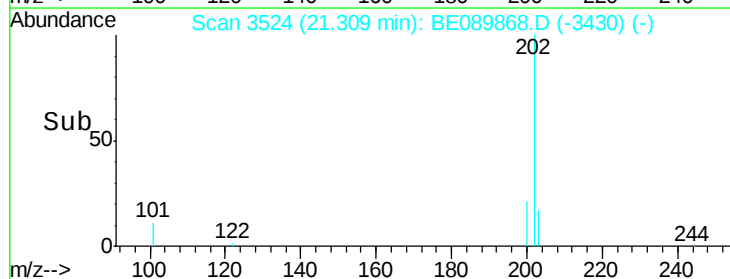
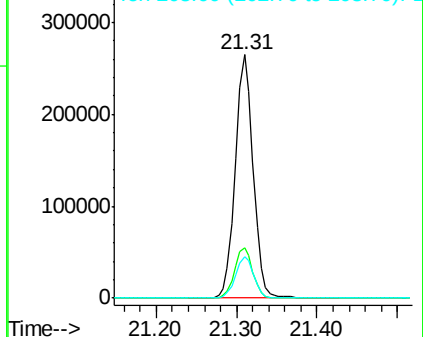
203 17.5 13.6 20.4

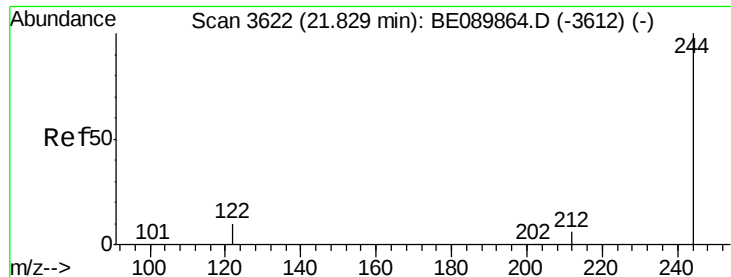


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 3.61 ng

RT: 21.83 min Scan# 3622

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

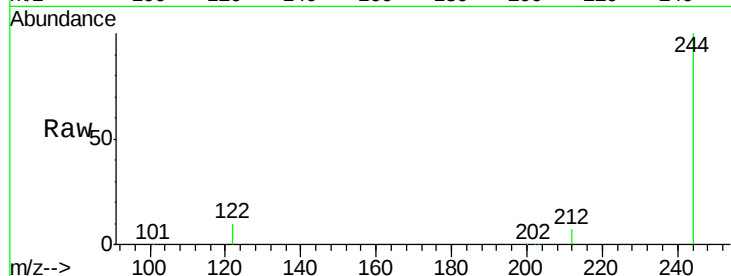
Tgt Ion:244 Resp: 250796

Ion Ratio Lower Upper

244 100

212 7.0 7.3 10.9#

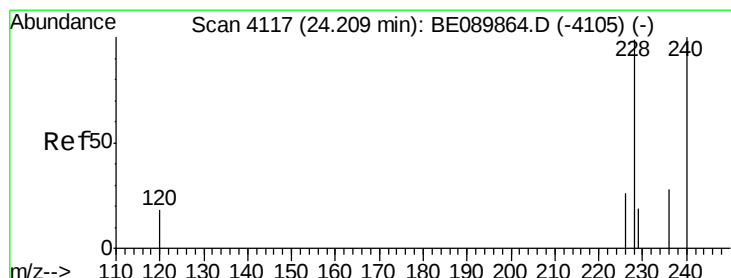
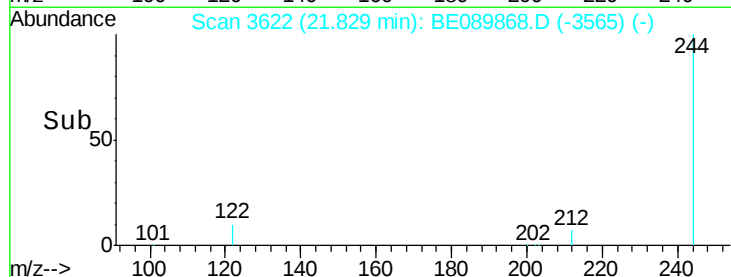
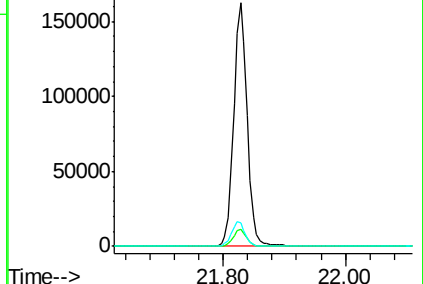
122 9.5 10.5 15.7#



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: 3.45 ng

RT: 24.21 min Scan# 4117

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

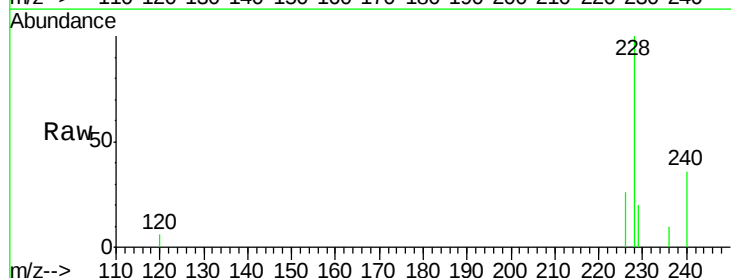
Tgt Ion:228 Resp: 333545

Ion Ratio Lower Upper

228 100

226 26.3 19.8 29.8

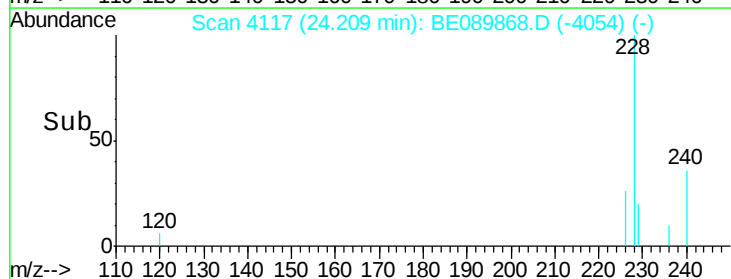
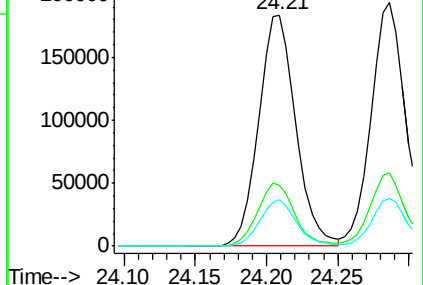
229 19.9 16.3 24.5

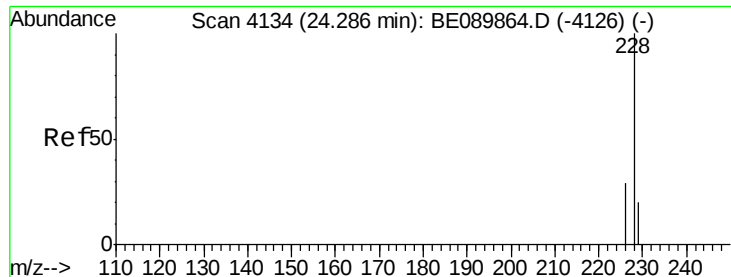


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 3.46 ng

RT: 24.29 min Scan# 4134

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

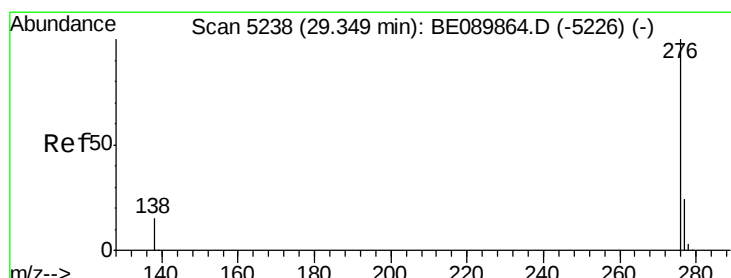
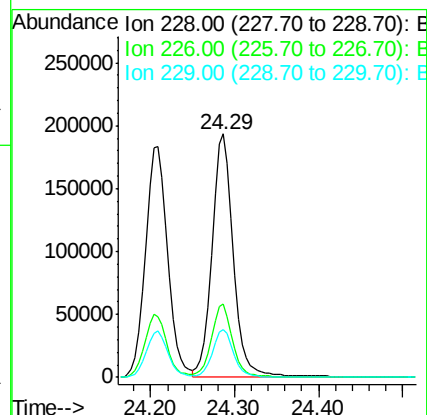
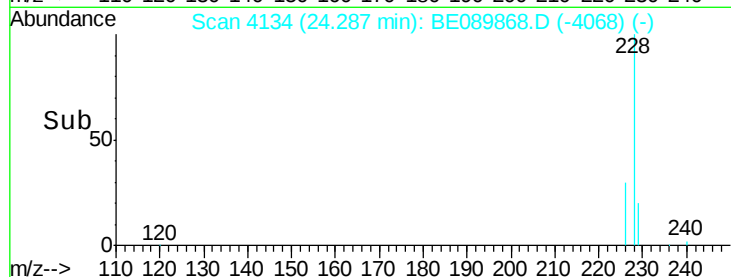
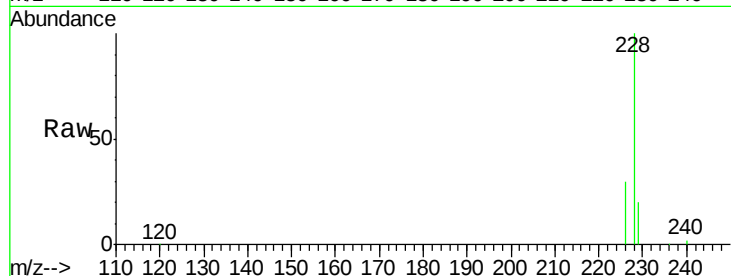
Tgt Ion:228 Resp: 336213

Ion Ratio Lower Upper

228 100

226 29.9 23.0 34.4

229 19.7 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 2.83 ng m

RT: 29.35 min Scan# 5239

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

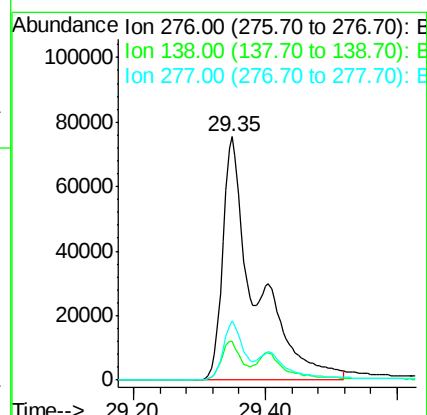
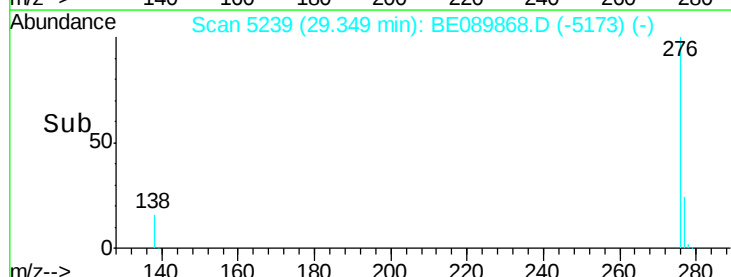
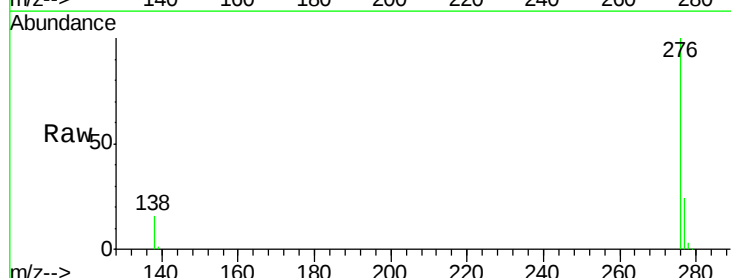
Tgt Ion:276 Resp: 260583

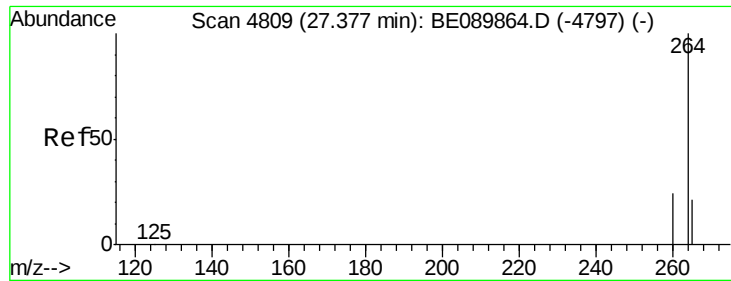
Ion Ratio Lower Upper

276 100

138 9.7 4.3 6.5#

277 14.7 9.0 13.4#

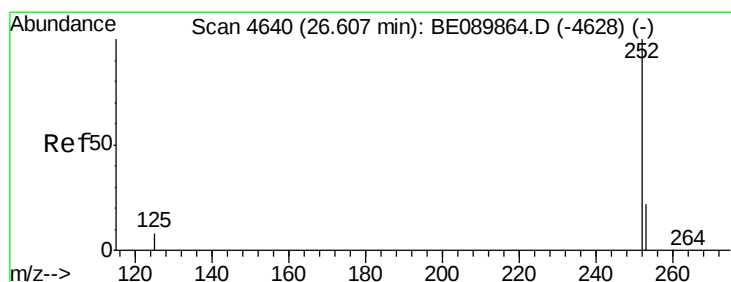
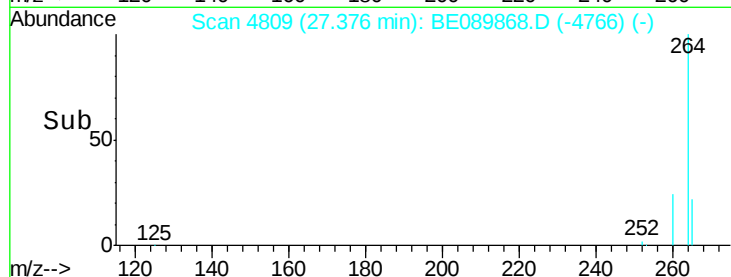
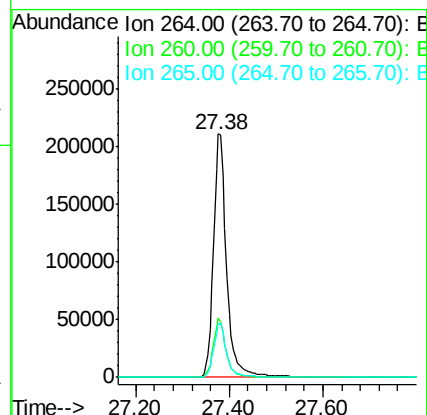
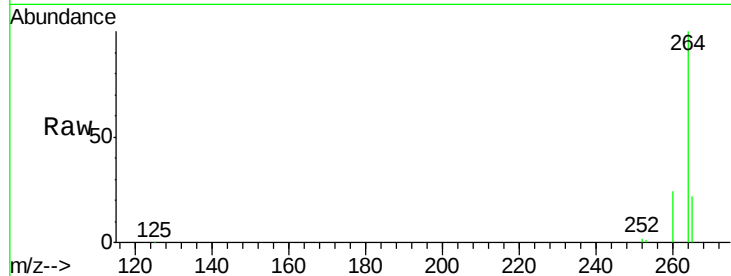




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.38 min Scan# 4809
 Delta R.T. -0.00 min
 Lab File: BE089868.D
 Acq: 26 Mar 2015 22:14

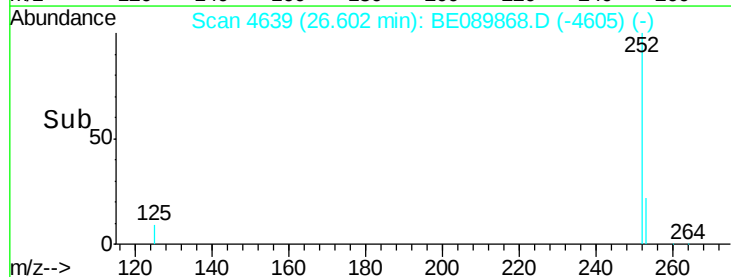
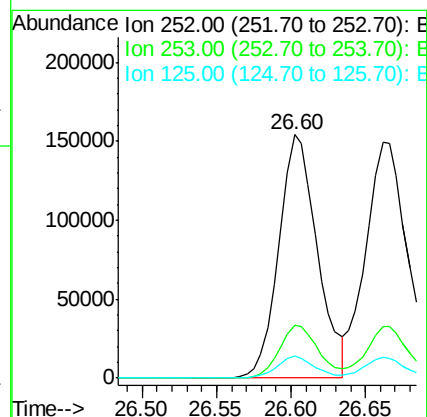
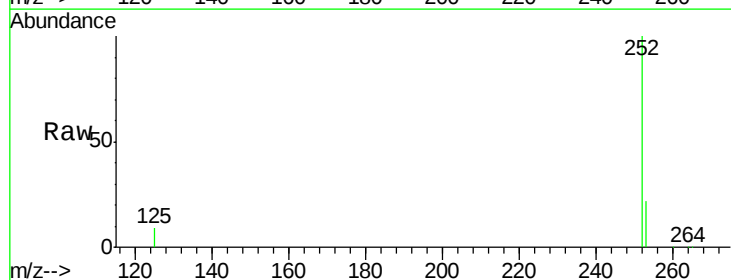
Instrument :
 BNA_E
 ClientSampleId :
 SSTDBE032615

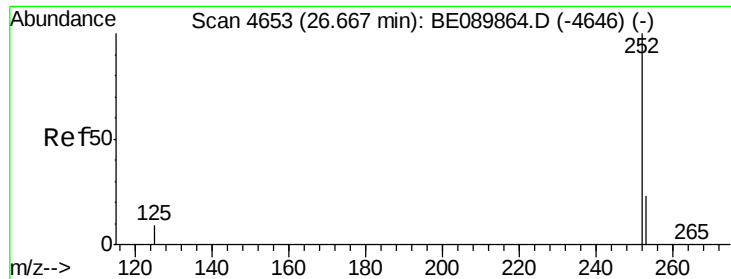
Tgt Ion: 264 Resp: 409124
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.2 27.2
 265 21.9 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 3.29 ng
 RT: 26.60 min Scan# 4639
 Delta R.T. -0.00 min
 Lab File: BE089868.D
 Acq: 26 Mar 2015 22:14

Tgt Ion: 252 Resp: 277595
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.8 26.6
 125 8.9 8.7 13.1





#27

Benzo(k)fluoranthene

Concen: 3.29 ng

RT: 26.66 min Scan# 4652

Delta R.T. -0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

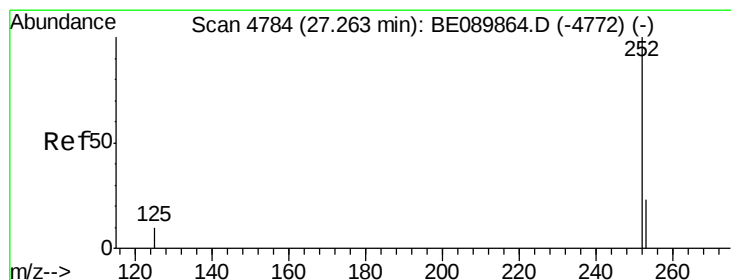
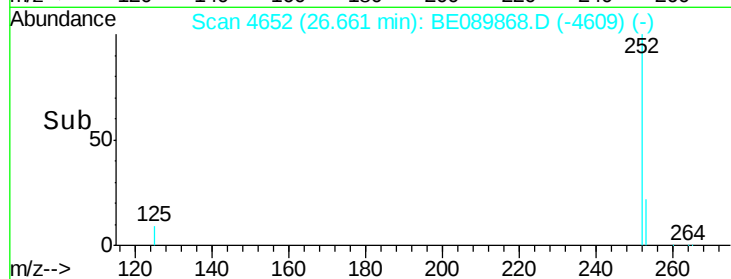
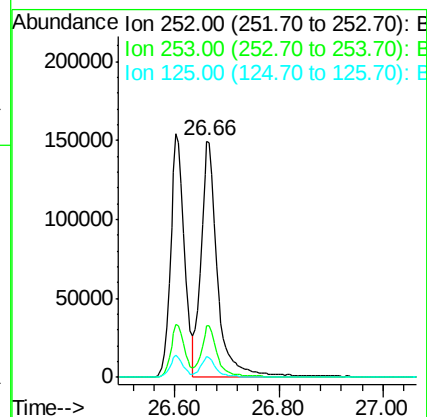
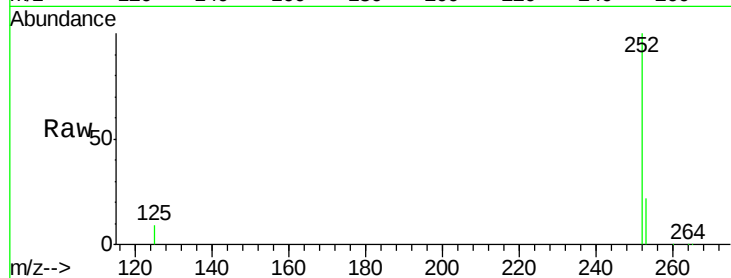
Tgt Ion:252 Resp: 328163

Ion Ratio Lower Upper

252 100

253 21.7 18.6 28.0

125 8.7 10.8 16.2#



#28

Benzo(a)pyrene

Concen: 3.20 ng

RT: 27.26 min Scan# 4784

Delta R.T. -0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

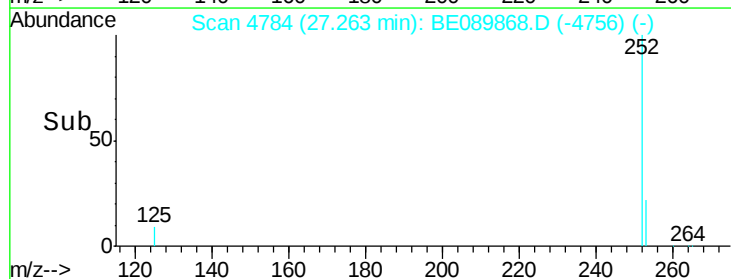
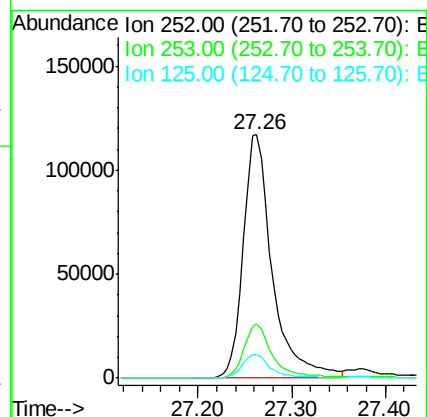
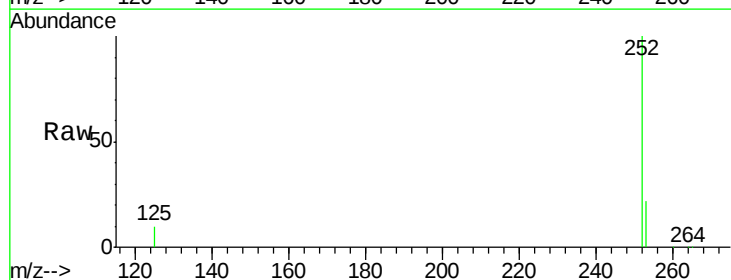
Tgt Ion:252 Resp: 251410

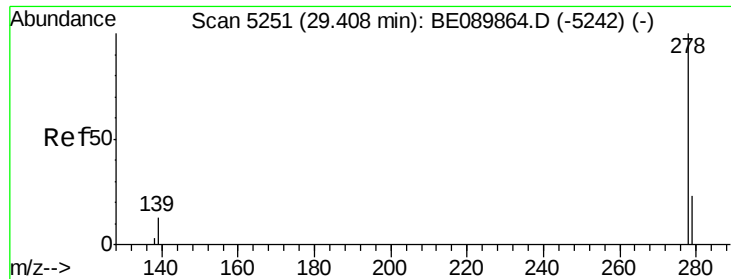
Ion Ratio Lower Upper

252 100

253 22.0 21.0 31.4

125 9.5 13.3 19.9#





#29

Dibenzo(a,h)anthracene

Concen: 3.27 ng

RT: 29.41 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Instrument :

BNA_E

ClientSampleId :

SSTDBE032615

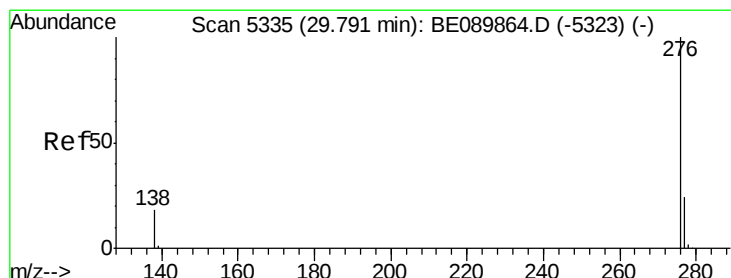
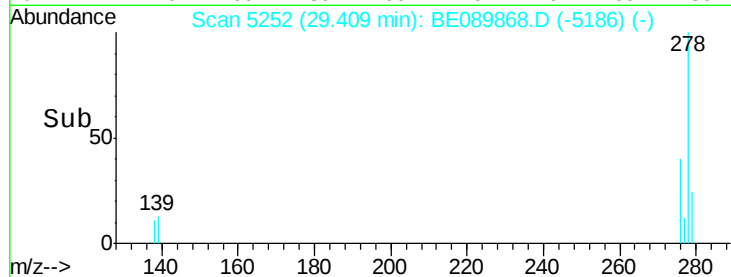
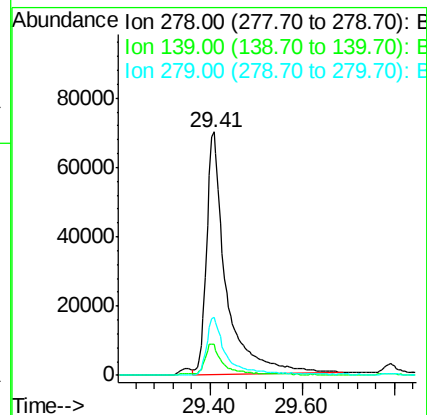
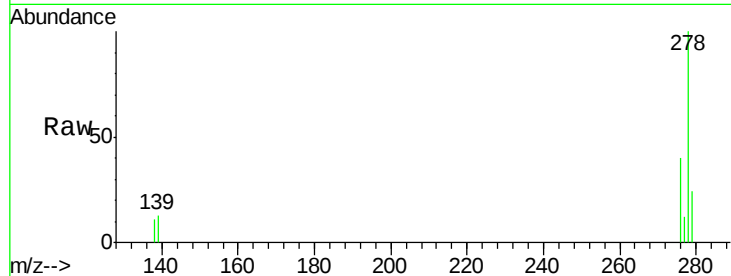
Tgt Ion:278 Resp: 202163

Ion Ratio Lower Upper

278 100

139 12.7 20.0 30.0#

279 23.9 28.9 43.3#



#30

Benzo(g,h,i)perylene

Concen: 3.12 ng

RT: 29.79 min Scan# 5336

Delta R.T. 0.00 min

Lab File: BE089868.D

Acq: 26 Mar 2015 22:14

Tgt Ion:276 Resp: 224941

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 17.0 22.9 34.3#

