

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089855.D
 Acq On : 26 Mar 2015 2:51
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Quant Time: Mar 26 03:31:52 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	181882	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	688959	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	302045	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	502240	5.00	ng	0.00
19) Chrysene-d12	24.26	240	479172	5.00	ng	0.00
25) Perylene-d12	27.42	264	460801	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	45200	1.13	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	76877	1.09	ng	0.00
21) Terphenyl-d14	21.87	244	70539	1.00	ng	0.00

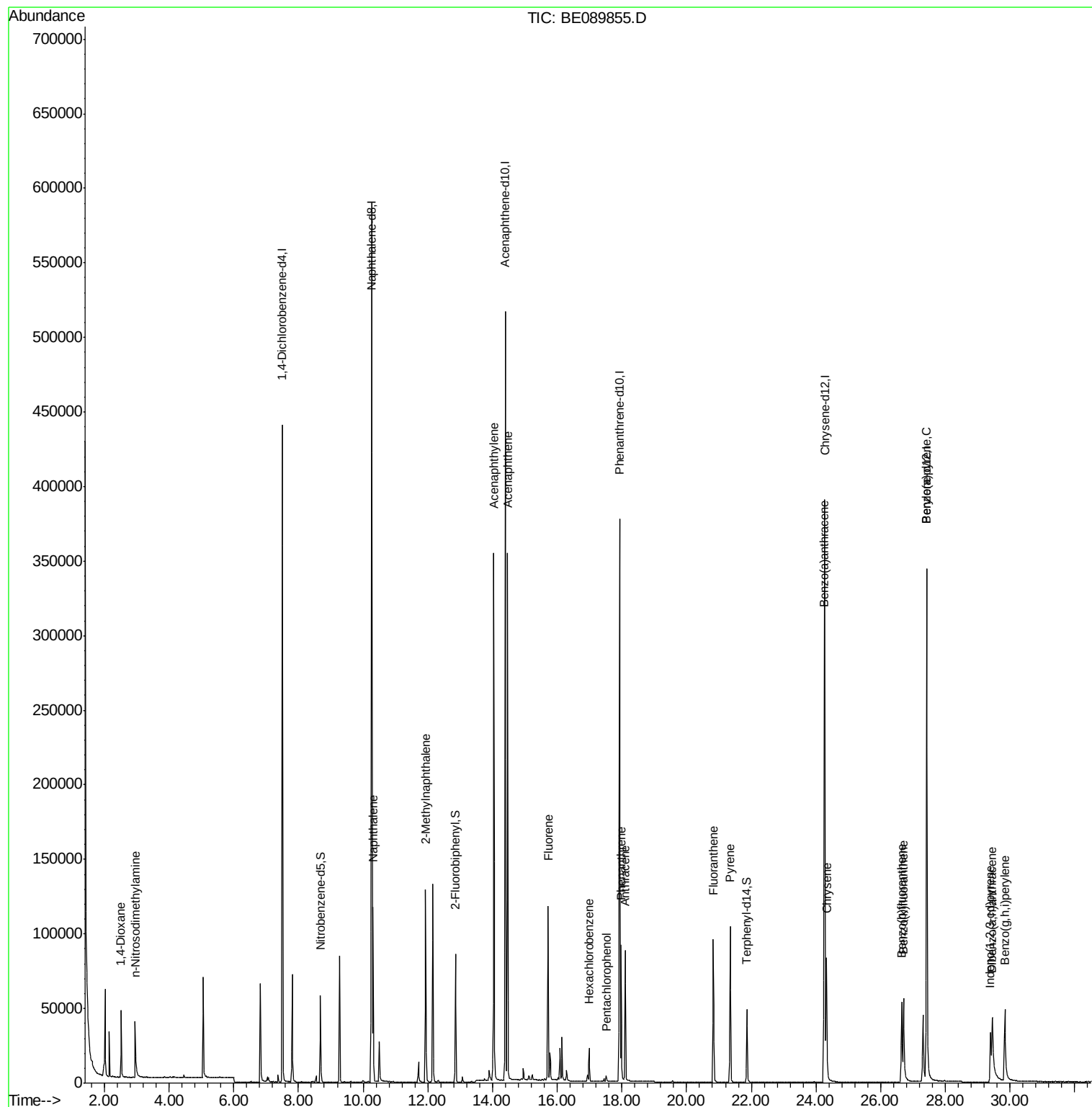
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.52	88	21429	0.91	ng	89
3) n-Nitrosodimethylamine	2.94	42	30995	0.90	ng	# 75
6) Naphthalene	10.31	128	135830	1.00	ng	96
7) 2-Methylnaphthalene	11.93	142	80589	1.07	ng	99
10) Acenaphthylene	14.04	152	460398	1.07	ng	99
11) Acenaphthene	14.46	154	67220	1.02	ng	87
12) Fluorene	15.71	166	80763	1.01	ng	94
14) Hexachlorobenzene	16.99	284	16819	1.01	ng	96
15) Pentachlorophenol	17.51	266	3035	0.61	ng	98
16) Phenanthrene	17.97	178	111099	1.01	ng	99
17) Anthracene	18.10	178	103886	1.05	ng	99
18) Fluoranthene	20.83	202	109595	1.10	ng	99
20) Pyrene	21.35	202	113383	0.93	ng	99
22) Benzo(a)anthracene	24.25	228	97951	1.09	ng	97
23) Chrysene	24.32	228	101768	1.04	ng	98
24) Indeno(1,2,3-cd)pyrene	29.39	276	60059	1.00	ng	# 69
26) Benzo(b)fluoranthene	26.64	252	83146	1.12	ng	98
27) Benzo(k)fluoranthene	26.70	252	105076	1.11	ng	# 95
28) Benzo(a)pyrene	27.42	252	5434	0.35	ng	97
29) Dibenzo(a,h)anthracene	29.45	278	68998	1.25	ng	# 79
30) Benzo(g,h,i)perylene	29.84	276	92688	1.18	ng	# 88

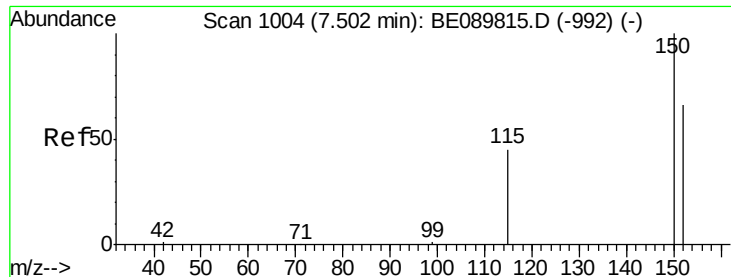
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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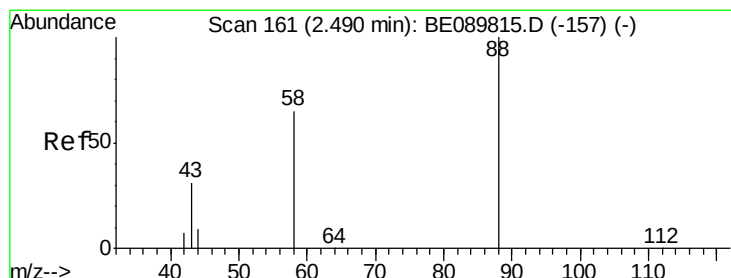
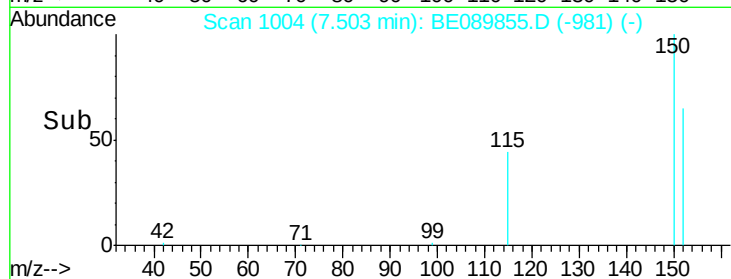
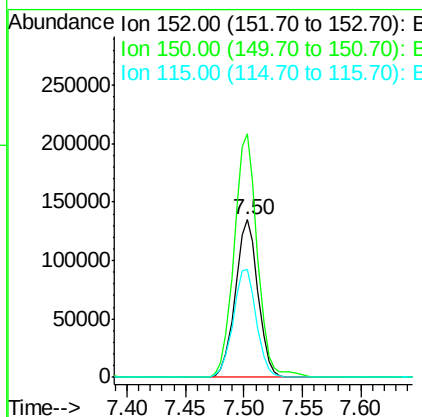
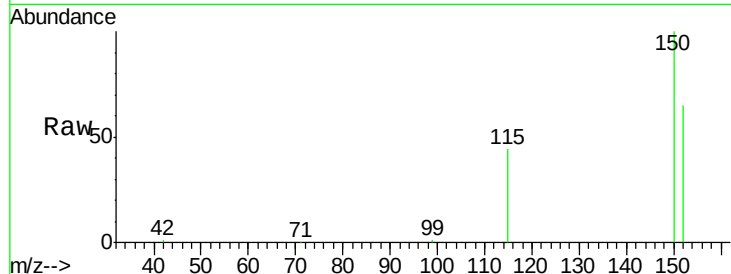




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089855.D
 Acq: 26 Mar 2015 2:51

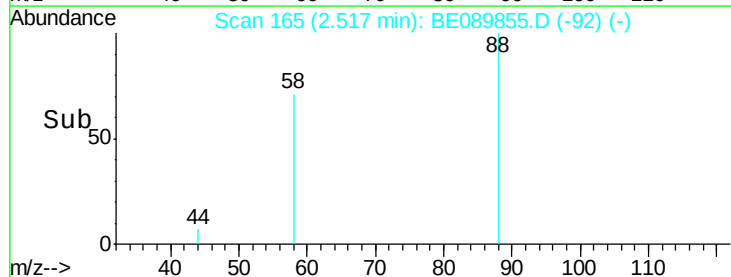
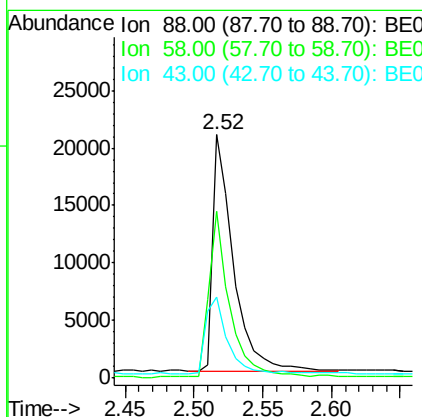
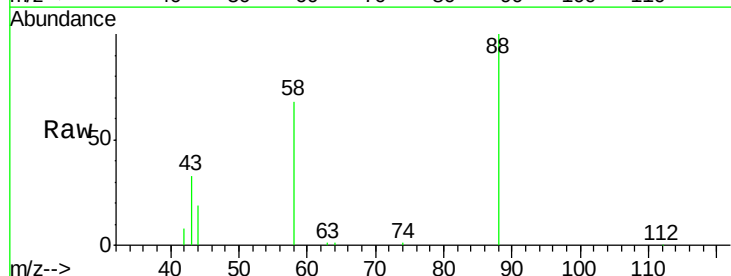
Instrument :
 BNA_E
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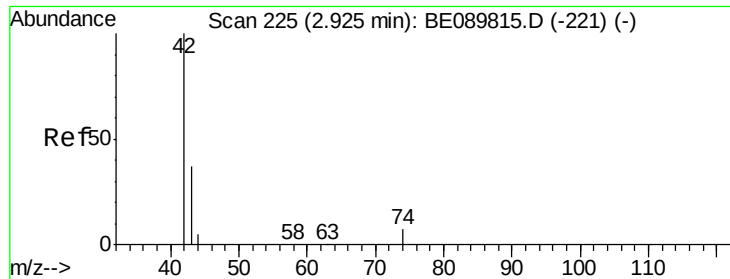
Tgt Ion: 152 Resp: 181882
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.5 188.3
 115 68.7 58.0 87.0



#2
 1,4-Dioxane
 Concen: 0.91 ng
 RT: 2.52 min Scan# 165
 Delta R.T. -0.01 min
 Lab File: BE089855.D
 Acq: 26 Mar 2015 2:51

Tgt Ion: 88 Resp: 21429
 Ion Ratio Lower Upper
 88 100
 58 72.6 48.6 72.8
 43 34.6 28.6 43.0





#3

n-Nitrosodimethylamine

Concen: 0.90 ng

RT: 2.94 min Scan# 228

Delta R.T. -0.05 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

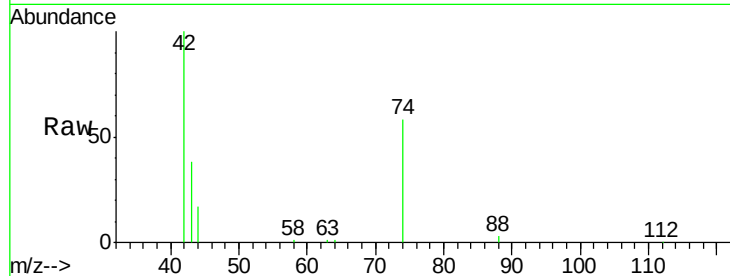
Tgt Ion: 42 Resp: 30995

Ion Ratio Lower Upper

42 100

74 111.0 68.7 103.1#

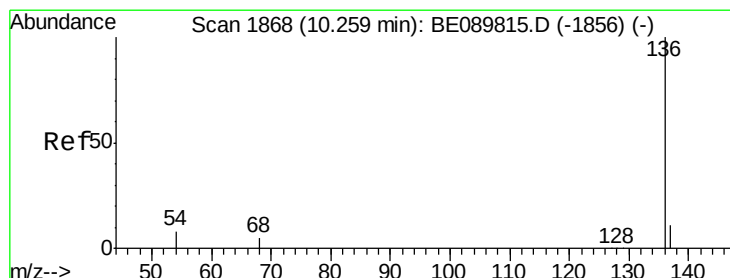
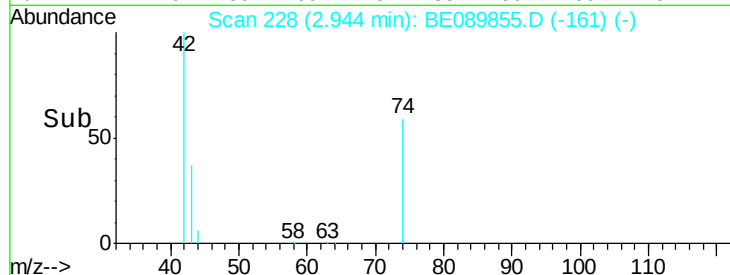
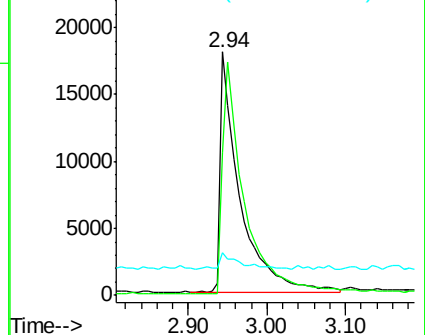
44 6.8 6.2 9.4



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# 1869

Delta R.T. 0.01 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

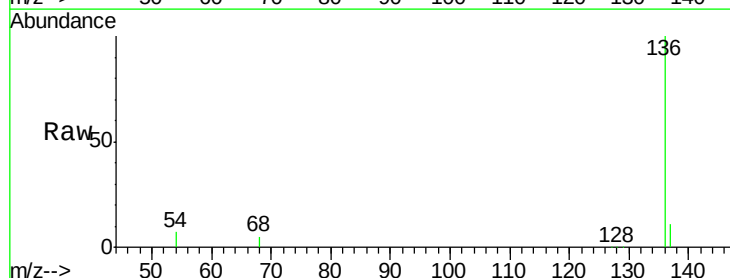
Tgt Ion: 136 Resp: 688959

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

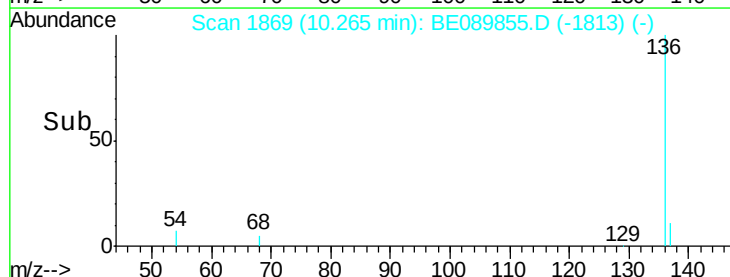
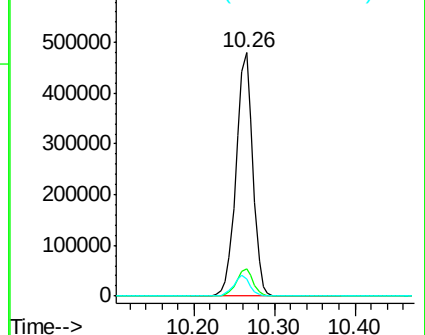
54 7.1 7.0 10.4

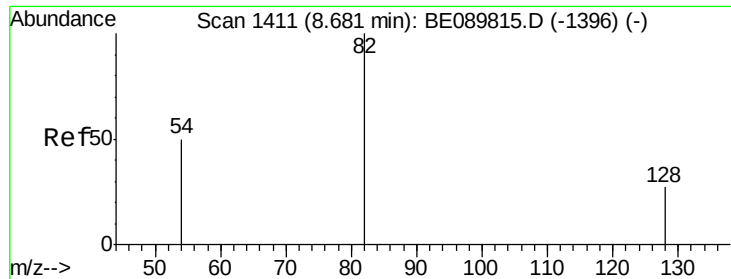


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 1.13 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

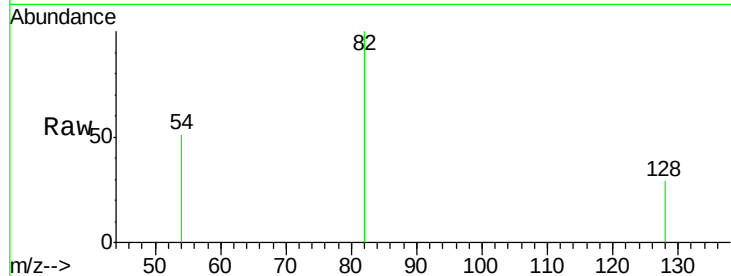
Tgt Ion: 82 Resp: 45200

Ion Ratio Lower Upper

82 100

128 28.7 24.6 37.0

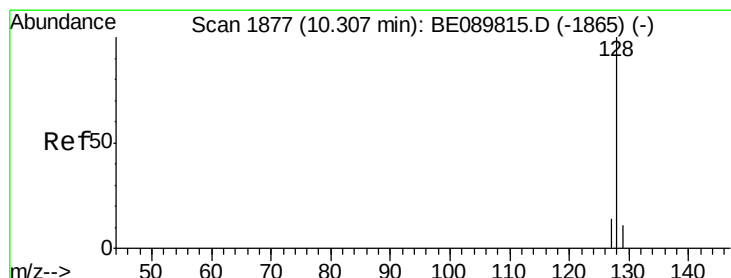
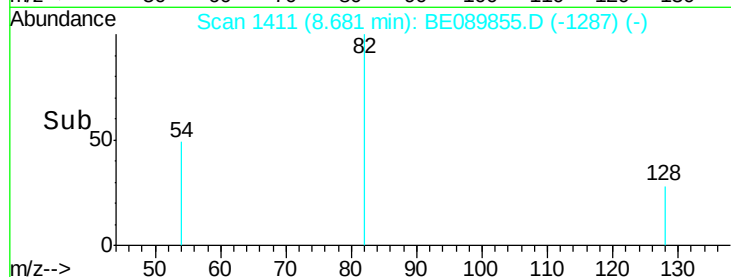
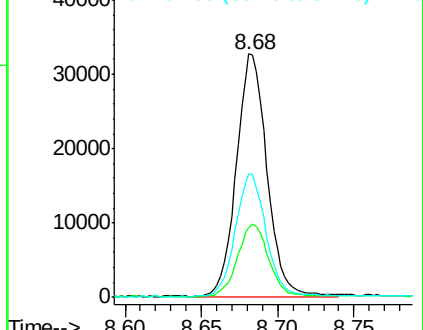
54 50.7 43.0 64.6



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: 1.00 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

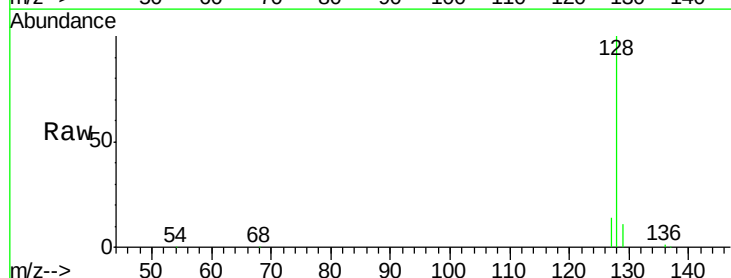
Tgt Ion: 128 Resp: 135830

Ion Ratio Lower Upper

128 100

129 11.0 10.0 15.0

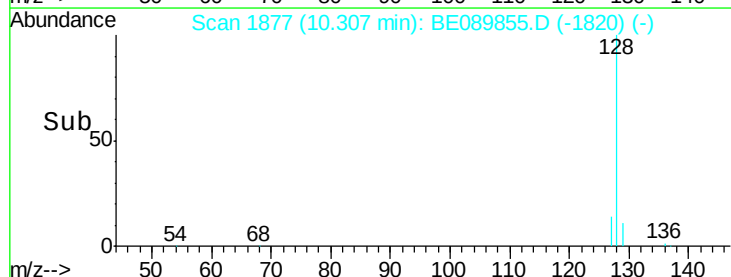
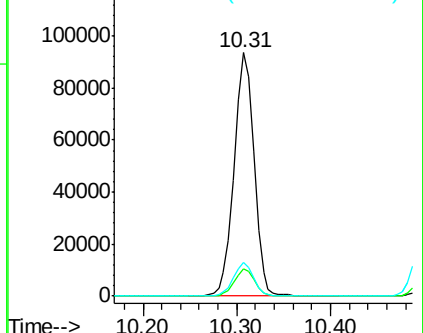
127 13.8 12.5 18.7

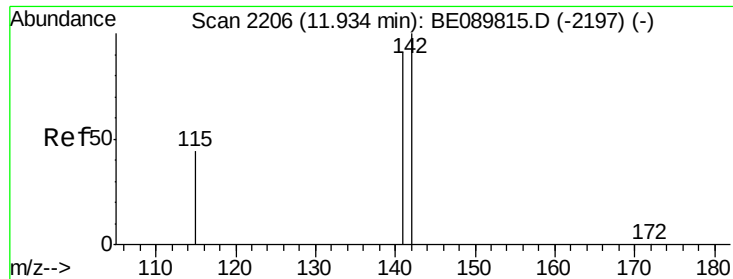


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 1.07 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

Instrument :

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SSTDCCC001

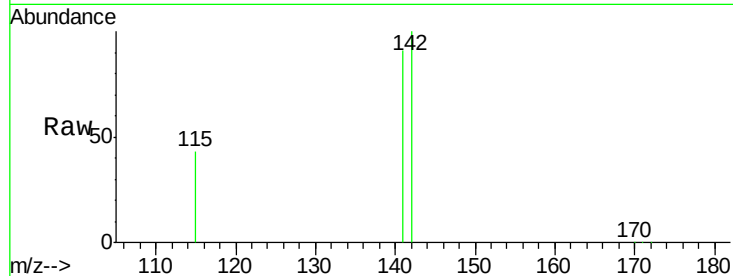
Tgt Ion:142 Resp: 80589

Ion Ratio Lower Upper

142 100

141 90.8 72.8 109.2

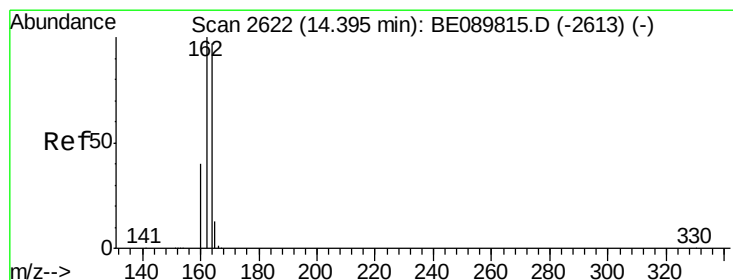
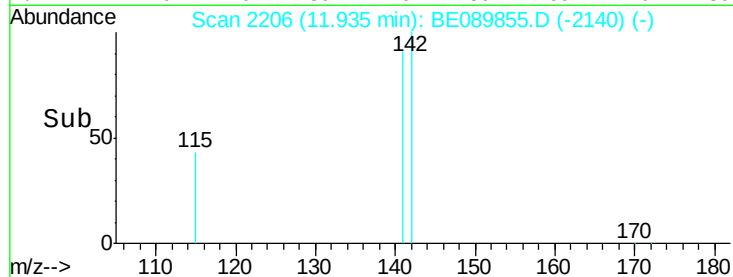
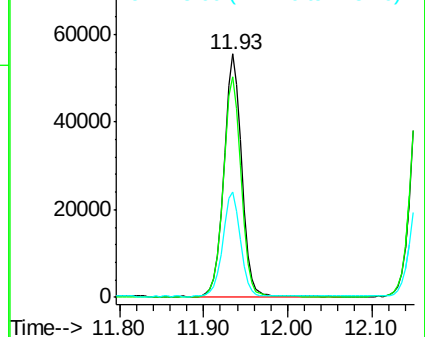
115 43.0 32.9 49.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

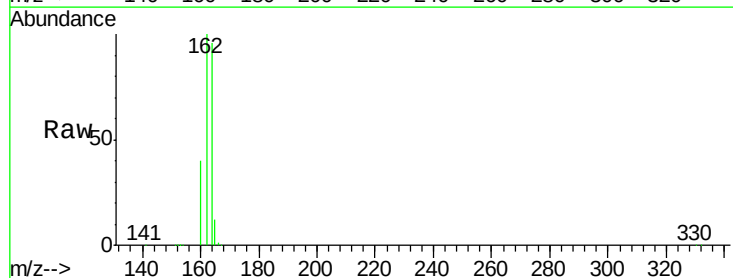
Tgt Ion:164 Resp: 302045

Ion Ratio Lower Upper

164 100

162 104.0 87.6 131.4

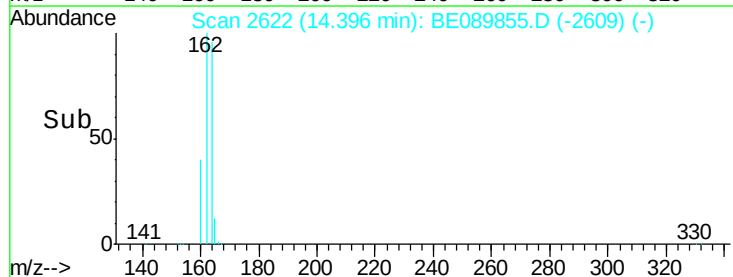
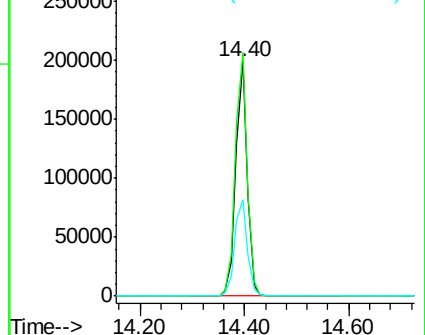
160 41.3 36.7 55.1

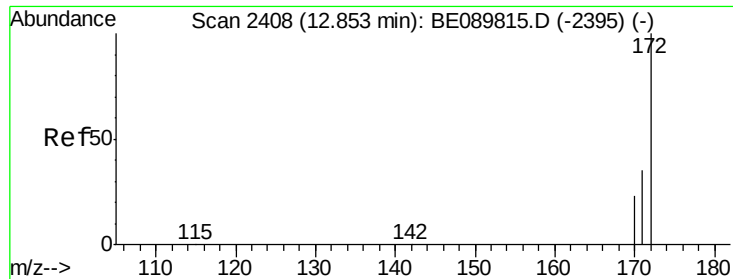


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

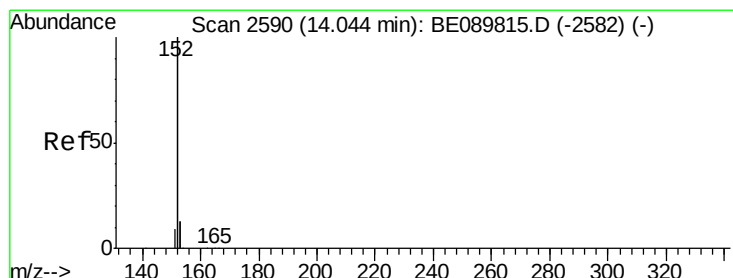
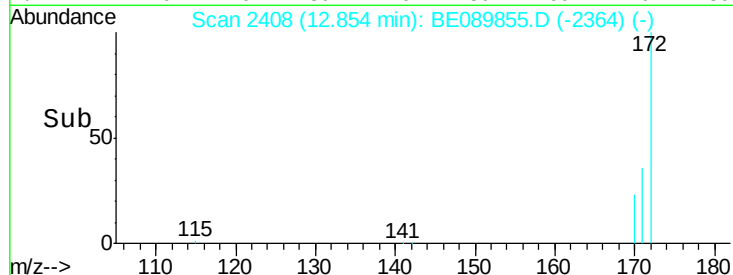
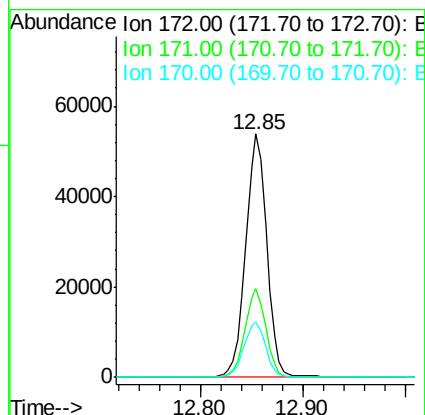
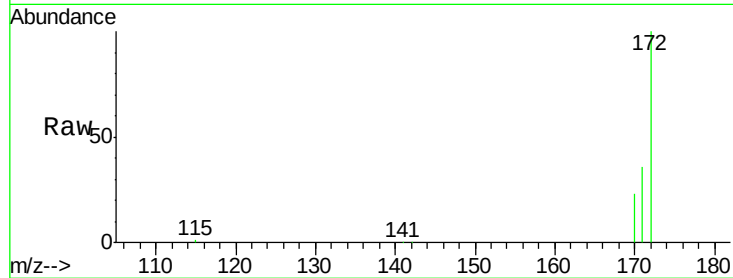




#9
2-Fluorobiphenyl
Concen: 1.09 ng
RT: 12.85 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BE089855.D
Acq: 26 Mar 2015 2:51

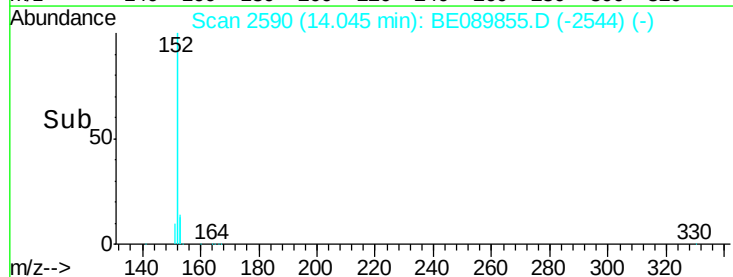
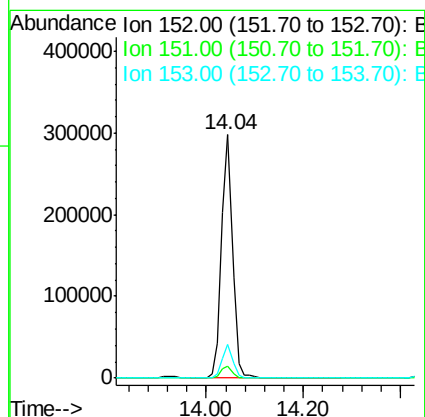
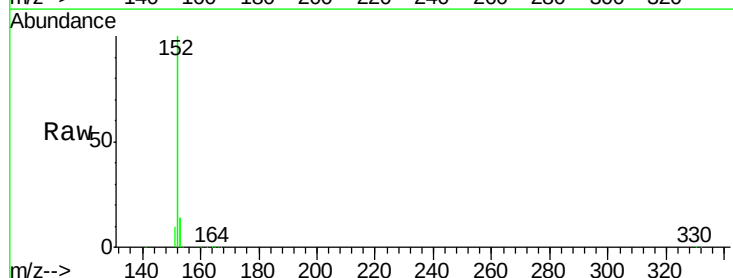
Instrument :
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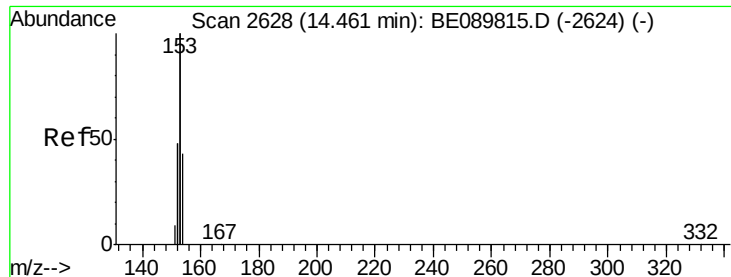
Tgt Ion:172 Resp: 76877
Ion Ratio Lower Upper
172 100
171 36.2 30.8 46.2
170 23.0 21.0 31.4



#10
Acenaphthylene
Concen: 1.07 ng
RT: 14.04 min Scan# 2590
Delta R.T. -0.00 min
Lab File: BE089855.D
Acq: 26 Mar 2015 2:51

Tgt Ion:152 Resp: 460398
Ion Ratio Lower Upper
152 100
151 5.0 3.9 5.9
153 13.1 11.0 16.4





#11

Acenaphthene

Concen: 1.02 ng

RT: 14.46 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

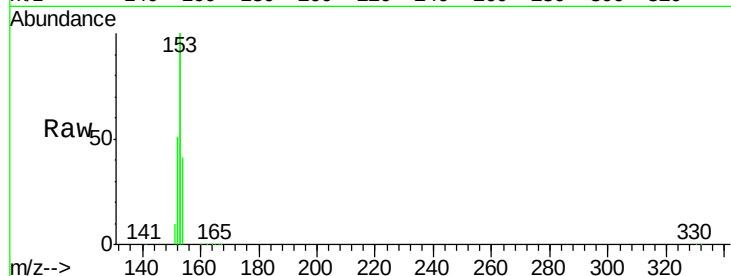
Tgt Ion:154 Resp: 67220

Ion Ratio Lower Upper

154 100

153 466.7 401.5 602.3

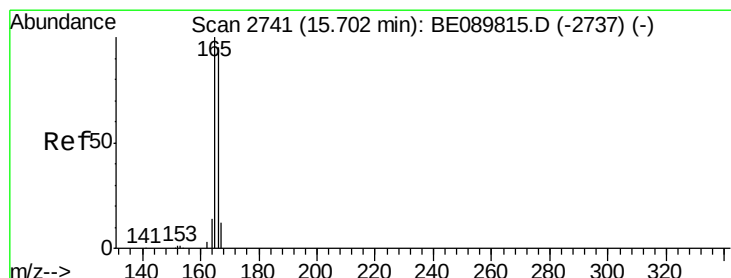
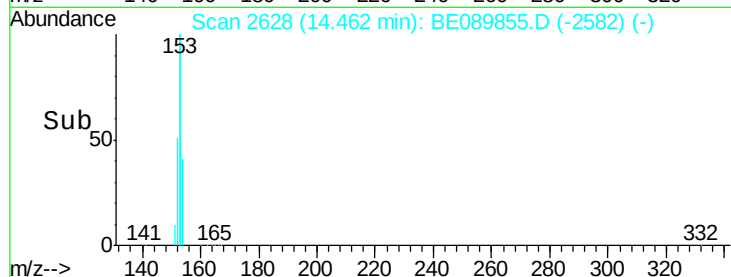
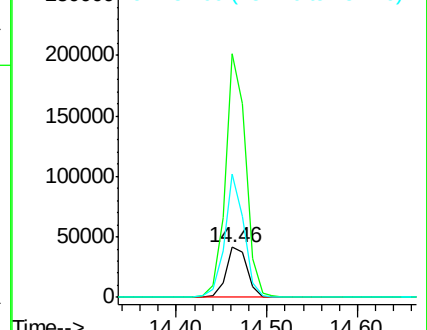
152 222.8 198.6 298.0



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: 1.01 ng

RT: 15.71 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

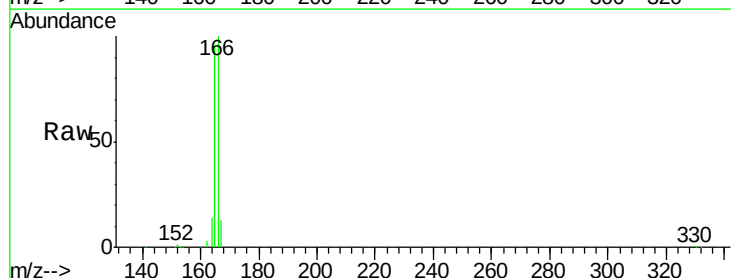
Tgt Ion:166 Resp: 80763

Ion Ratio Lower Upper

166 100

165 100.3 85.1 127.7

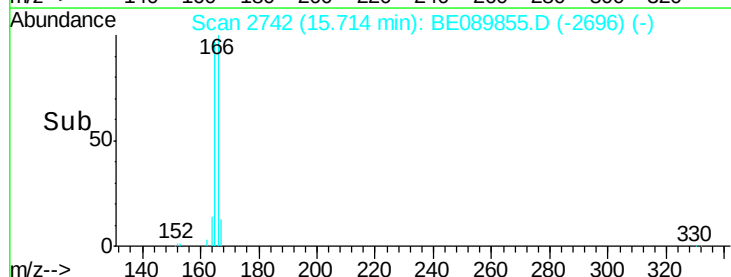
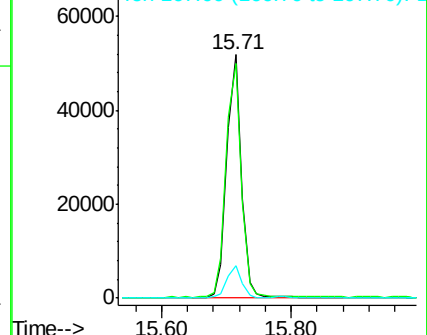
167 12.8 12.2 18.4

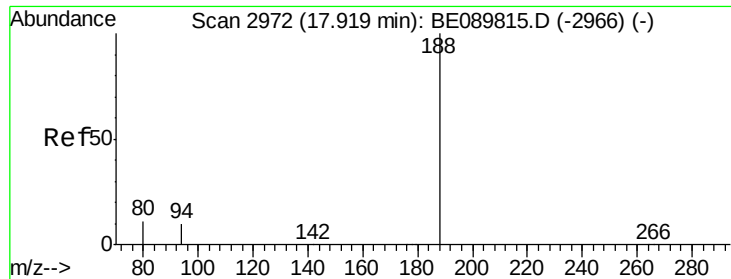


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

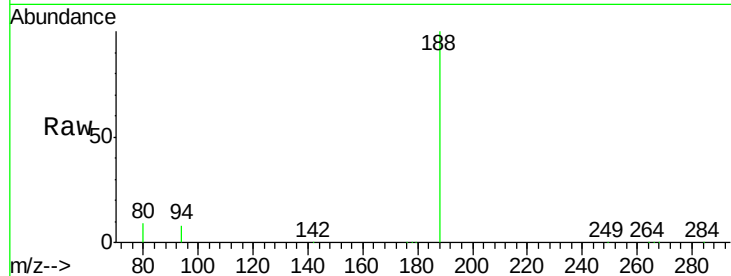




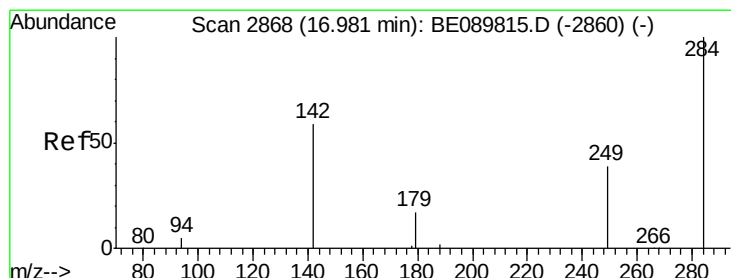
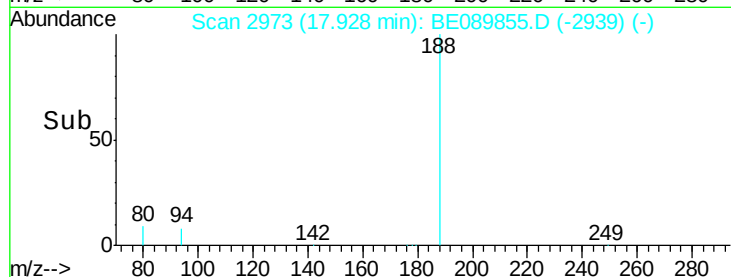
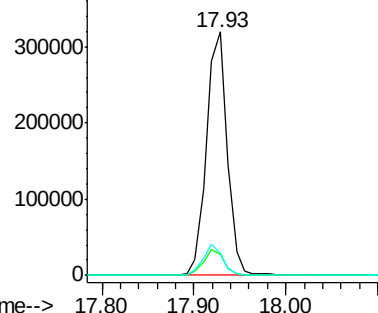
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2973
Delta R.T. 0.01 min
Lab File: BE089855.D
Acq: 26 Mar 2015 2:51

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion:188 Resp: 502240
Ion Ratio Lower Upper
188 100
94 8.4 8.5 12.7#
80 9.3 10.0 15.0#

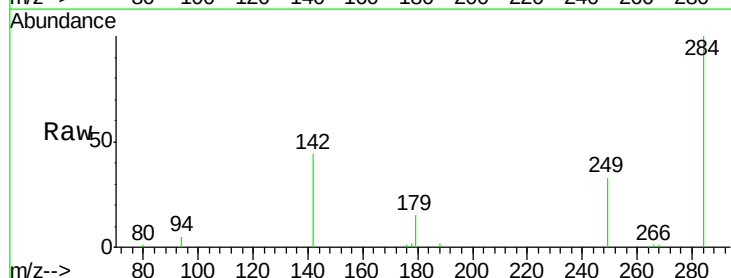


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

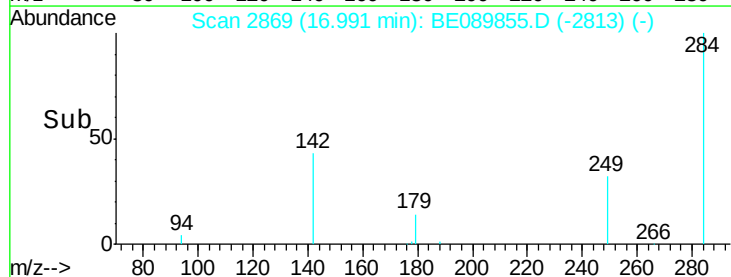
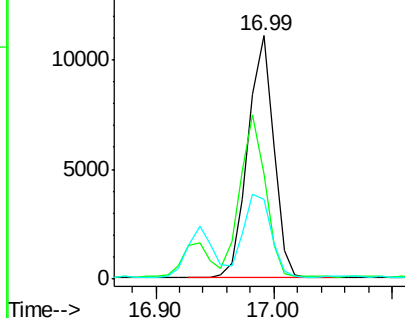


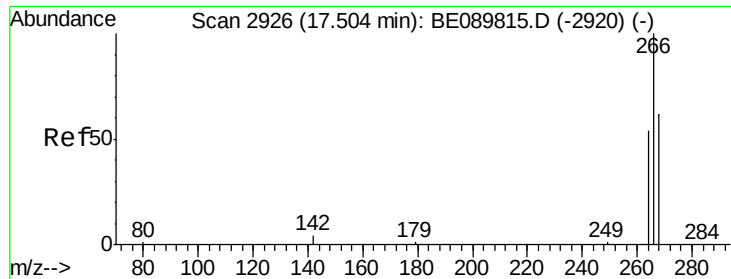
#14
Hexachlorobenzene
Concen: 1.01 ng
RT: 16.99 min Scan# 2869
Delta R.T. 0.01 min
Lab File: BE089855.D
Acq: 26 Mar 2015 2:51

Tgt Ion:284 Resp: 16819
Ion Ratio Lower Upper
284 100
142 64.5 53.3 79.9
249 35.6 31.1 46.7



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

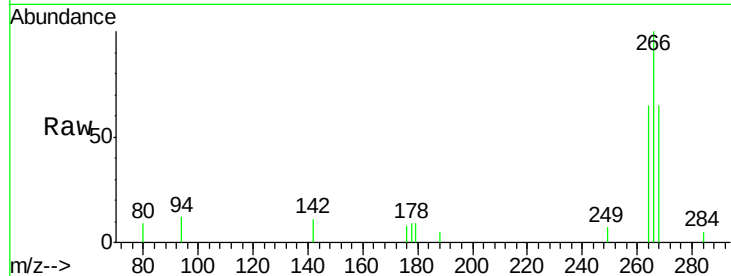




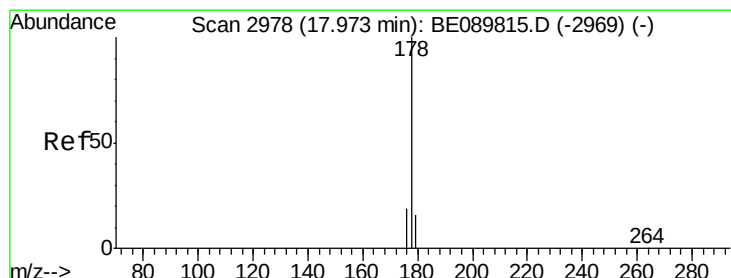
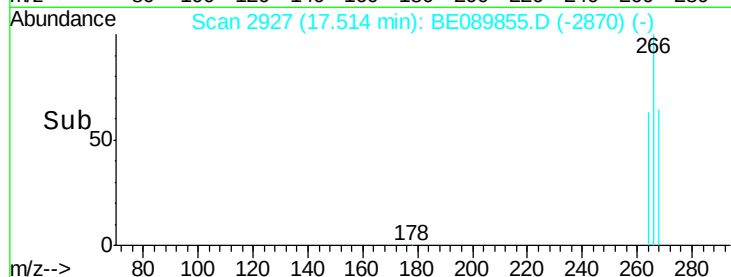
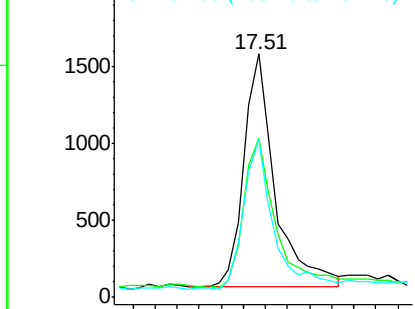
#15
 Pentachlorophenol
 Concen: 0.61 ng
 RT: 17.51 min Scan# 2927
 Delta R.T. 0.01 min
 Lab File: BE089855.D
 Acq: 26 Mar 2015 2:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion: 266 Resp: 3035
 Ion Ratio Lower Upper
 266 100
 268 65.3 51.6 77.4
 264 64.6 50.2 75.2

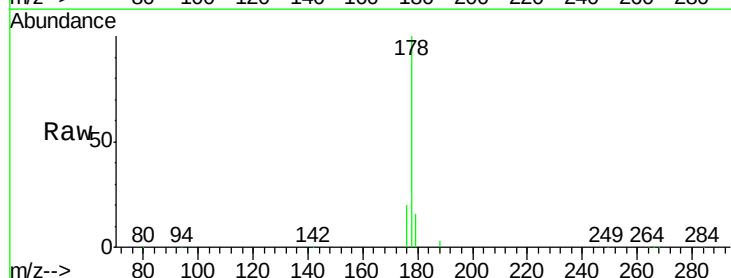


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

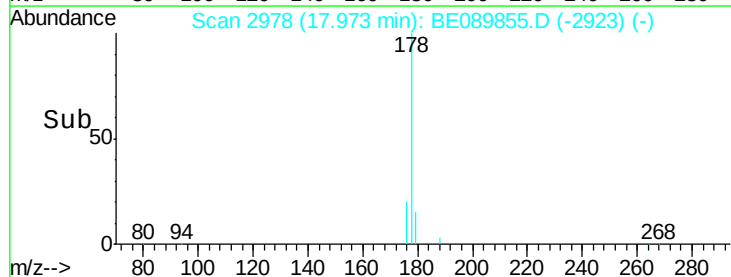
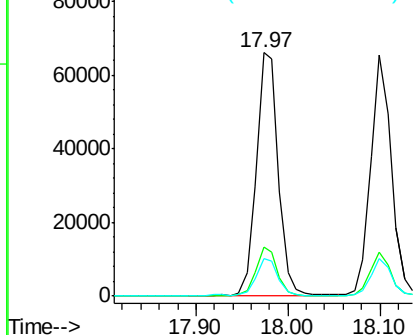


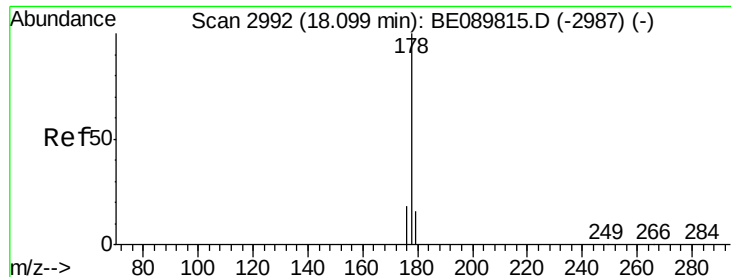
#16
 Phenanthrene
 Concen: 1.01 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089855.D
 Acq: 26 Mar 2015 2:51

Tgt Ion: 178 Resp: 111099
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 15.8 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: 1.05 ng

RT: 18.10 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

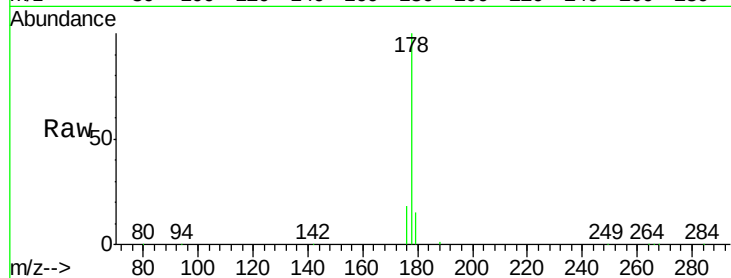
Tgt Ion:178 Resp: 103886

Ion Ratio Lower Upper

178 100

176 17.8 14.6 21.8

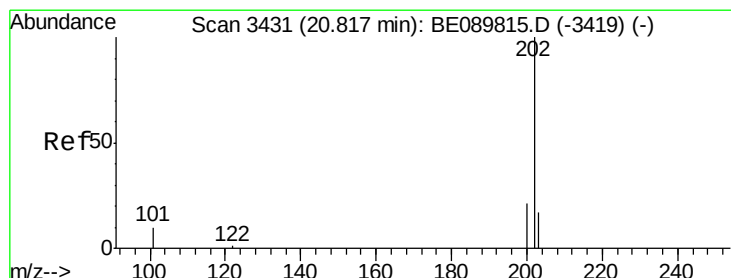
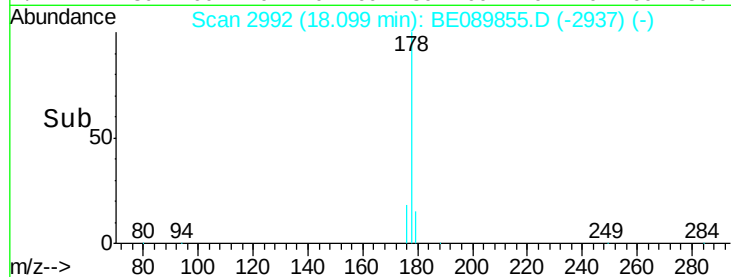
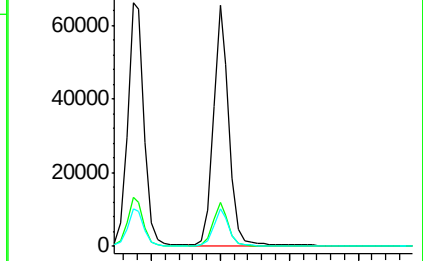
179 14.8 12.1 18.1



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: 1.10 ng

RT: 20.83 min Scan# 3433

Delta R.T. 0.01 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

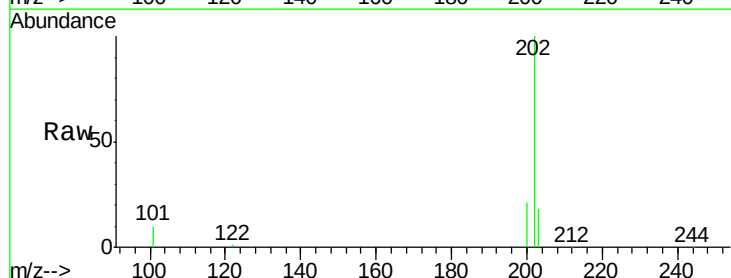
Tgt Ion:202 Resp: 109595

Ion Ratio Lower Upper

202 100

101 9.8 8.2 12.2

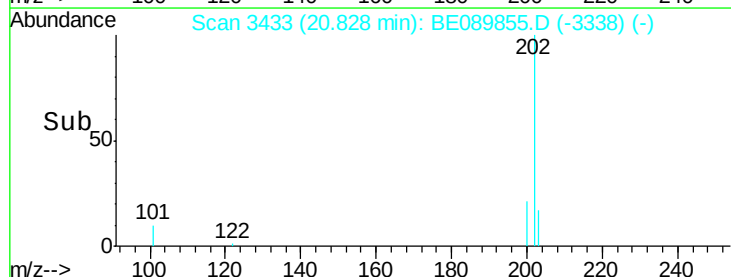
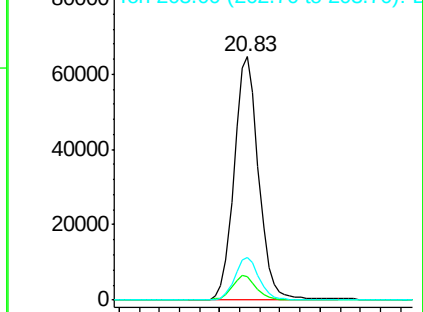
203 17.3 14.2 21.4

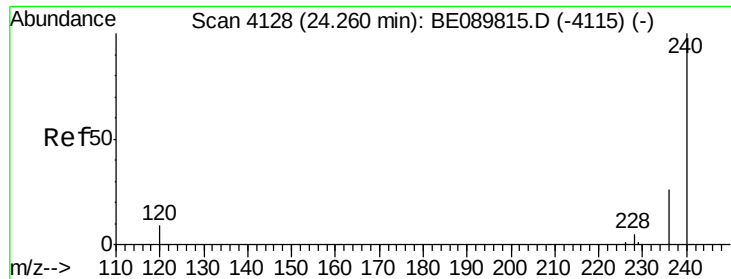


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE089855.D

Acq: 26 Mar 2015 2:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

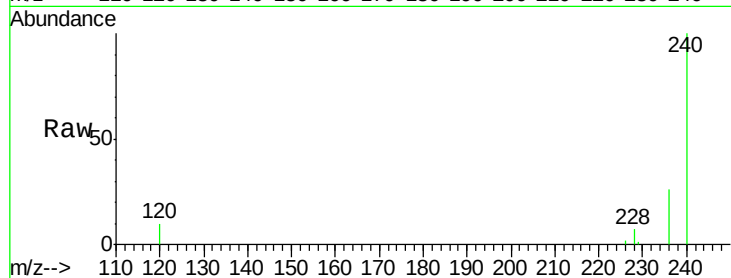
Tgt Ion:240 Resp: 479172

Ion Ratio Lower Upper

240 100

120 10.2 7.5 11.3

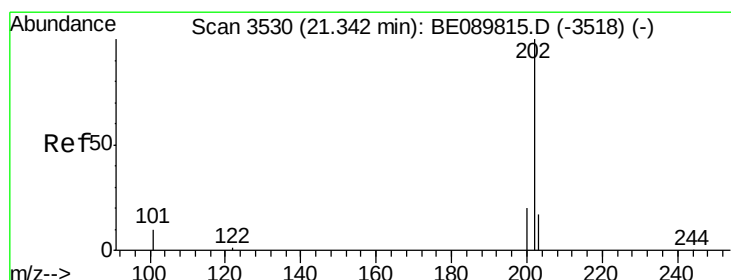
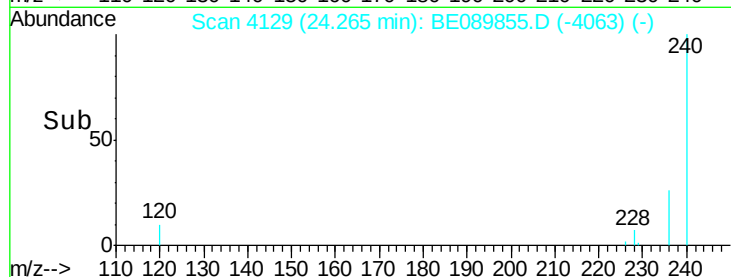
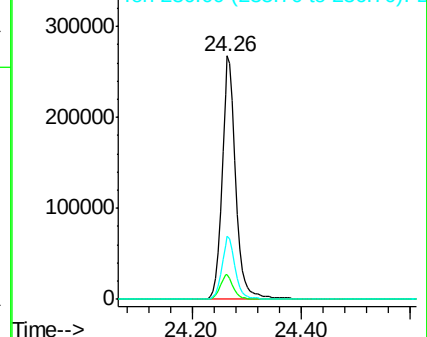
236 26.1 20.5 30.7



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: 0.93 ng

RT: 21.35 min Scan# 3531

Delta R.T. 0.00 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

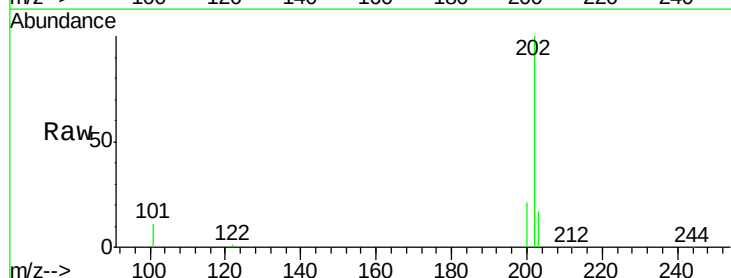
Tgt Ion:202 Resp: 113383

Ion Ratio Lower Upper

202 100

200 20.8 15.9 23.9

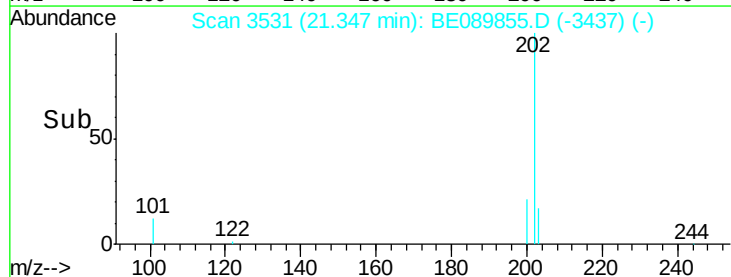
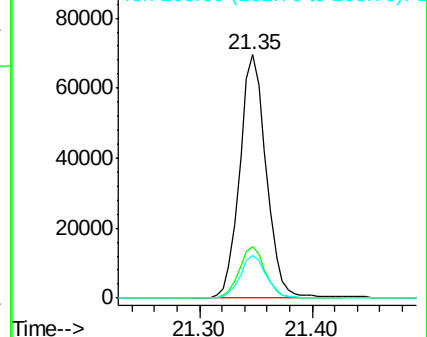
203 17.3 13.6 20.4

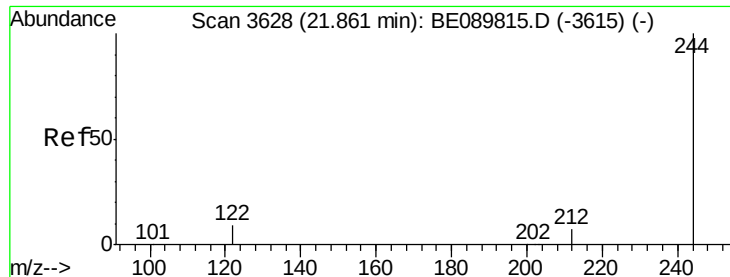


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

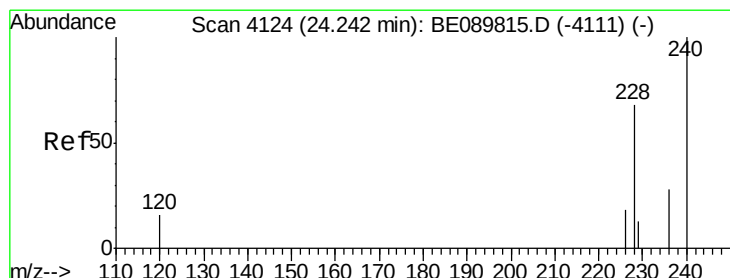
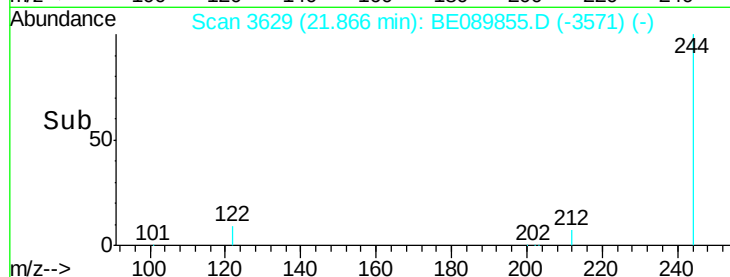
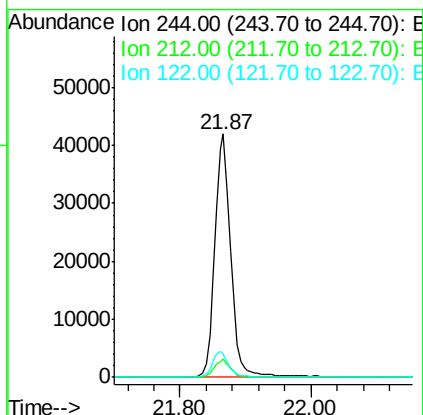
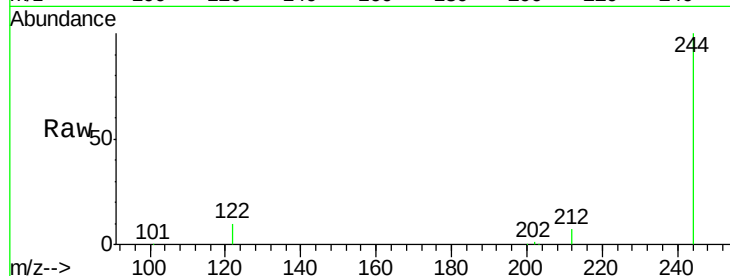




#21
 Terphenyl-d14
 Concen: 1.00 ng
 RT: 21.87 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: BE089855.D
 Acq: 26 Mar 2015 2:51

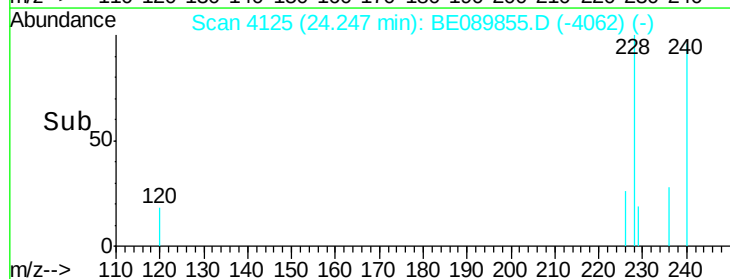
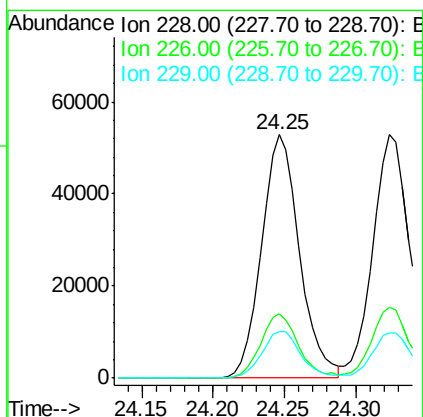
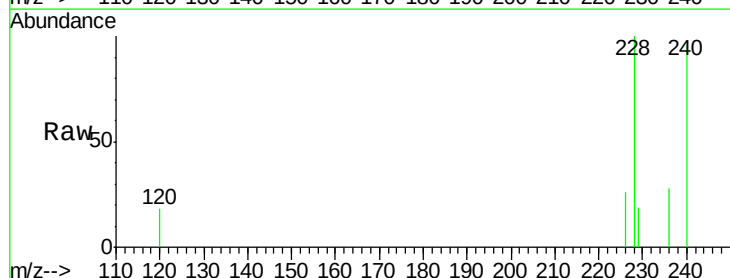
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

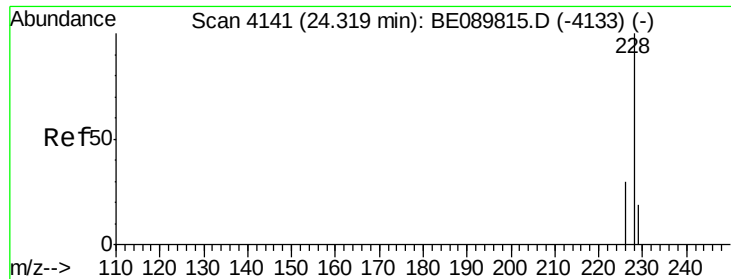
Tgt Ion: 244 Resp: 70539
 Ion Ratio Lower Upper
 244 100
 212 7.4 7.3 10.9
 122 9.6 10.5 15.7#



#22
 Benzo(a)anthracene
 Concen: 1.09 ng
 RT: 24.25 min Scan# 4125
 Delta R.T. -0.00 min
 Lab File: BE089855.D
 Acq: 26 Mar 2015 2:51

Tgt Ion: 228 Resp: 97951
 Ion Ratio Lower Upper
 228 100
 226 26.4 19.8 29.8
 229 19.0 16.3 24.5





#23

Chrysene

Concen: 1.04 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.01 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

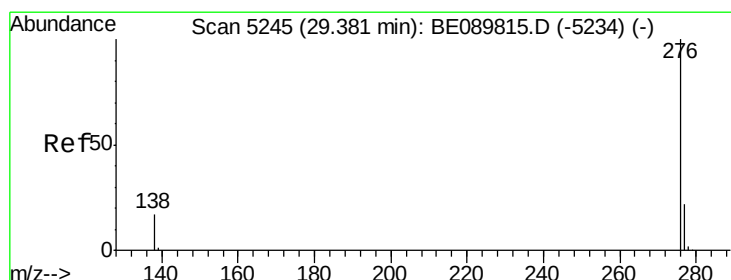
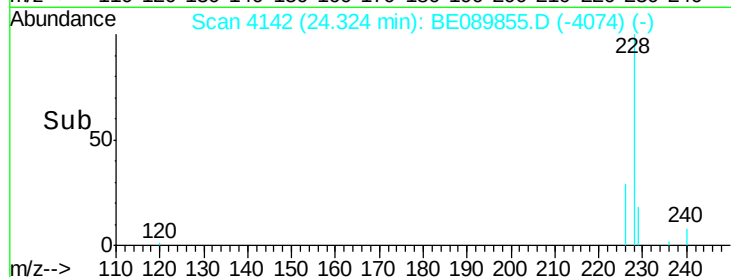
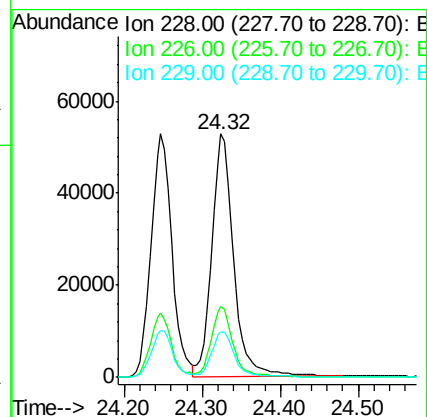
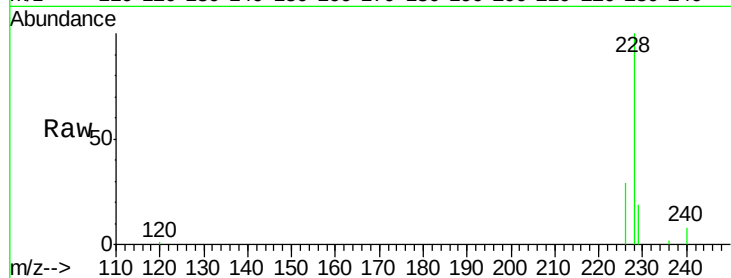
Tgt Ion:228 Resp: 101768

Ion Ratio Lower Upper

228 100

226 29.2 23.0 34.4

229 18.6 15.8 23.6



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.00 ng

RT: 29.39 min Scan# 5248

Delta R.T. 0.01 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

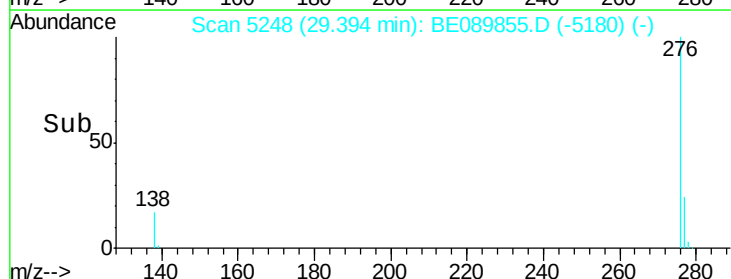
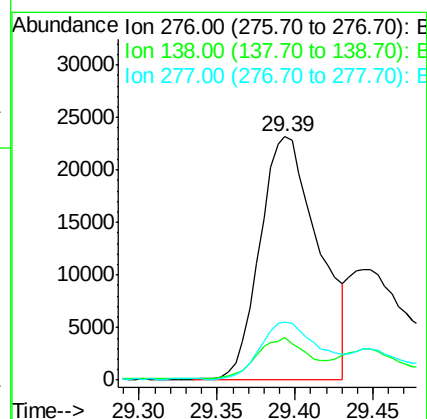
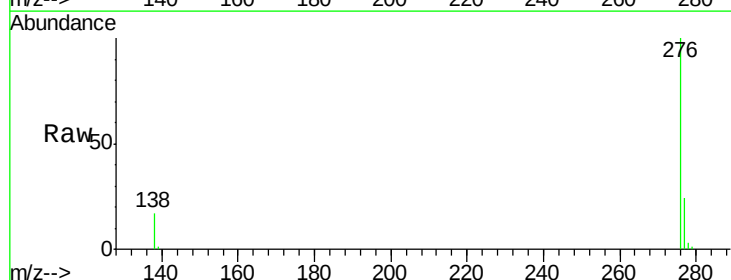
Tgt Ion:276 Resp: 60059

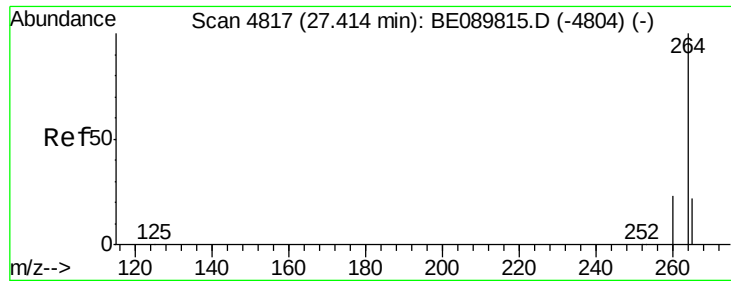
Ion Ratio Lower Upper

276 100

138 14.5 4.3 6.5#

277 23.8 9.0 13.4#

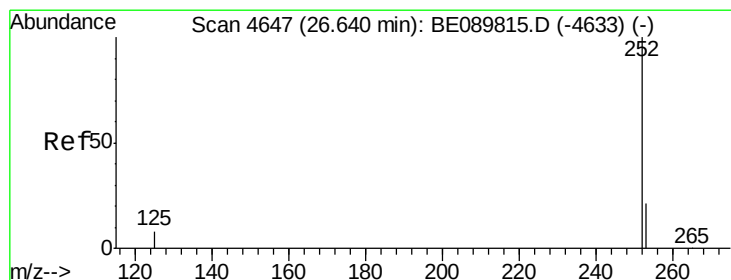
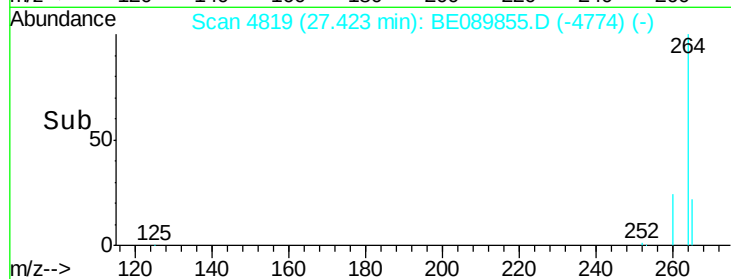
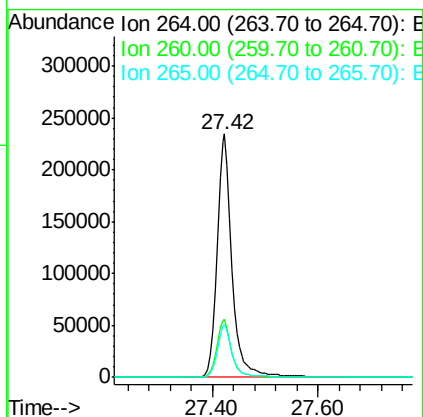
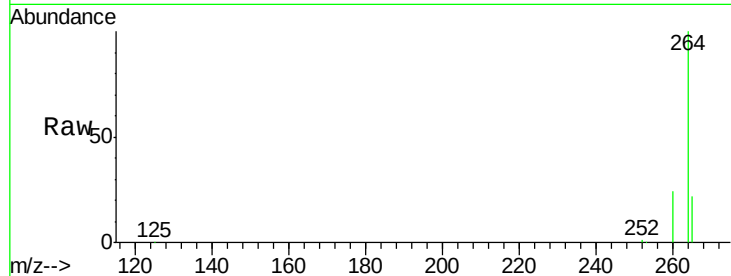




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4819
 Delta R.T. 0.01 min
 Lab File: BE089855.D
 Acq: 26 Mar 2015 2:51

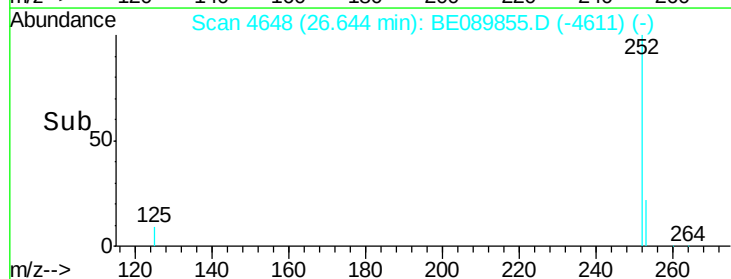
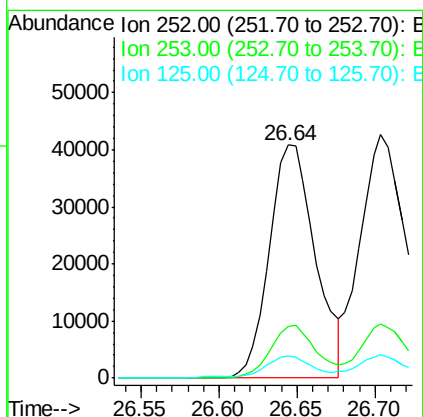
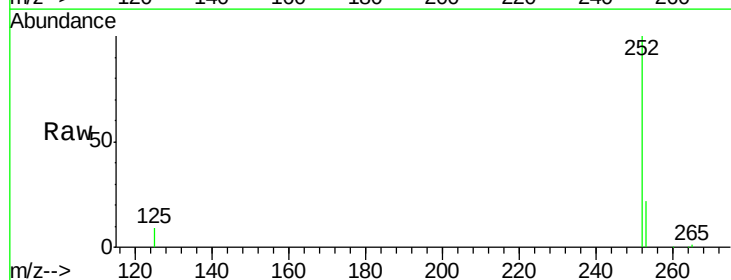
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

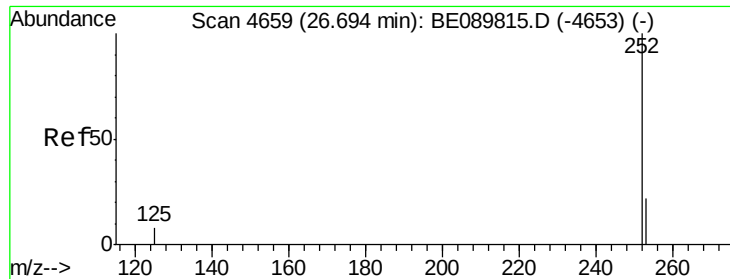
Tgt Ion: 264 Resp: 460801
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.2 27.2
 265 21.8 17.3 25.9



#26
 Benzo(b)fluoranthene
 Concen: 1.12 ng
 RT: 26.64 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: BE089855.D
 Acq: 26 Mar 2015 2:51

Tgt Ion: 252 Resp: 83146
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.8 26.6
 125 9.4 8.7 13.1





#27

Benzo(k)fluoranthene

Concen: 1.11 ng

RT: 26.70 min Scan# 4661

Delta R.T. 0.00 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

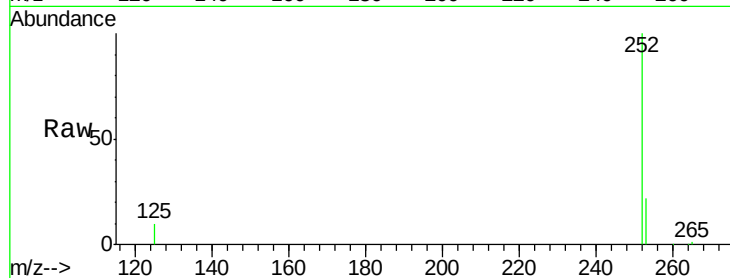
Tgt Ion:252 Resp: 105076

Ion Ratio Lower Upper

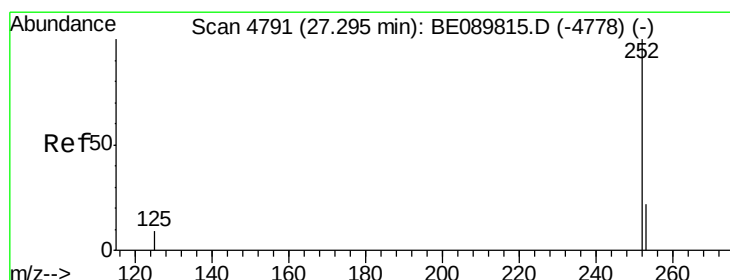
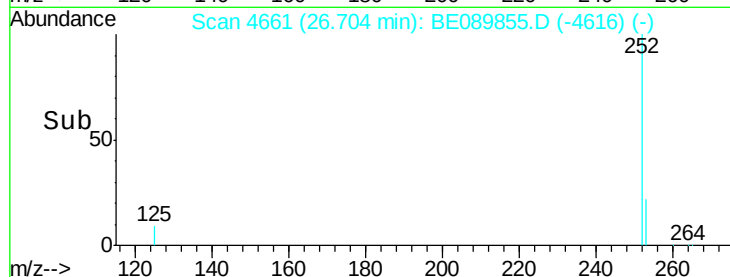
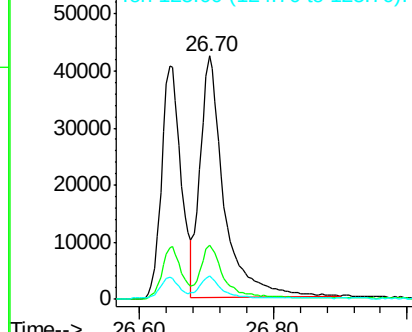
252 100

253 22.1 18.6 28.0

125 9.7 10.8 16.2#



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



#28

Benzo(a)pyrene

Concen: 0.35 ng

RT: 27.42 min Scan# 4818

Delta R.T. 0.12 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

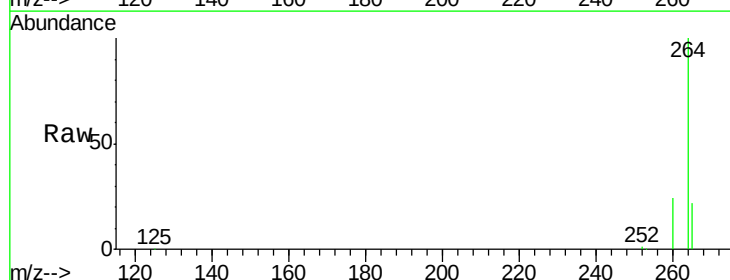
Tgt Ion:252 Resp: 5434

Ion Ratio Lower Upper

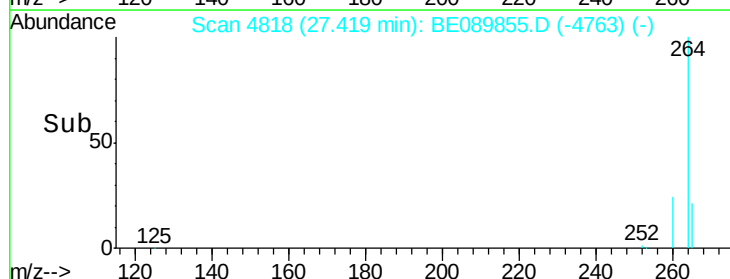
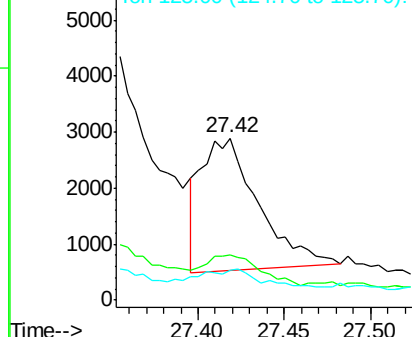
252 100

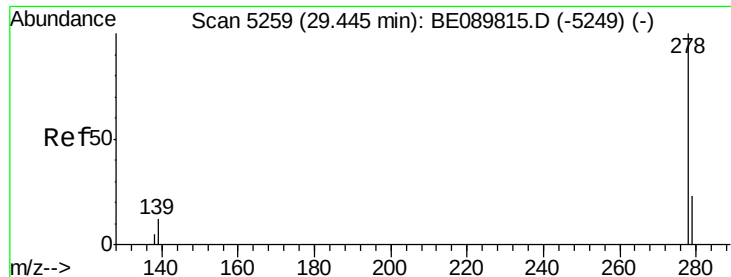
253 27.8 21.0 31.4

125 18.1 13.3 19.9



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





#29

Dibenzo(a,h)anthracene

Concen: 1.25 ng

RT: 29.45 min Scan# 5261

Delta R.T. 0.01 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

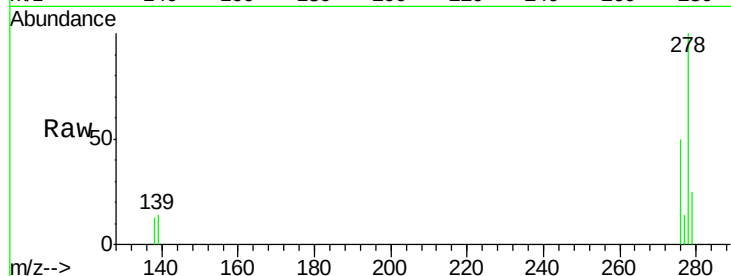
Tgt Ion: 278 Resp: 68998

Ion Ratio Lower Upper

278 100

139 13.6 20.0 30.0#

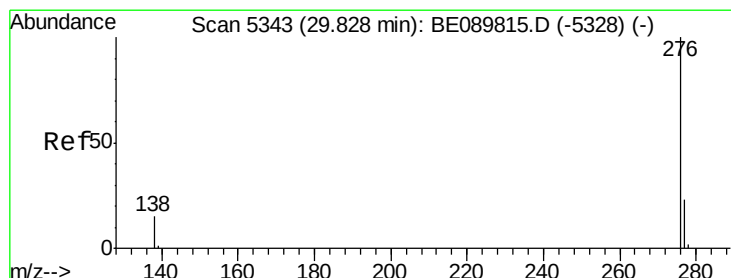
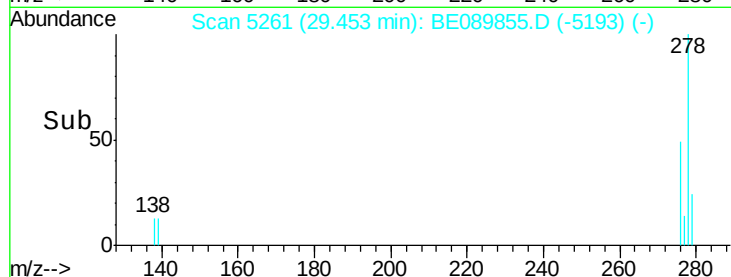
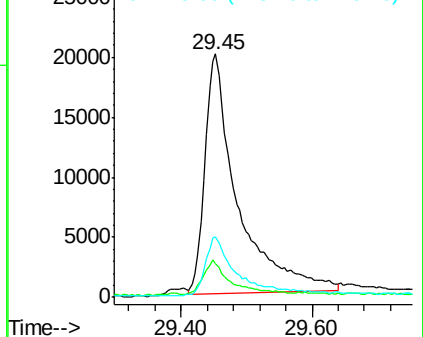
279 24.7 28.9 43.3#



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: 1.18 ng

RT: 29.84 min Scan# 5345

Delta R.T. 0.01 min

Lab File: BE089855.D

Acq: 26 Mar 2015 2:51

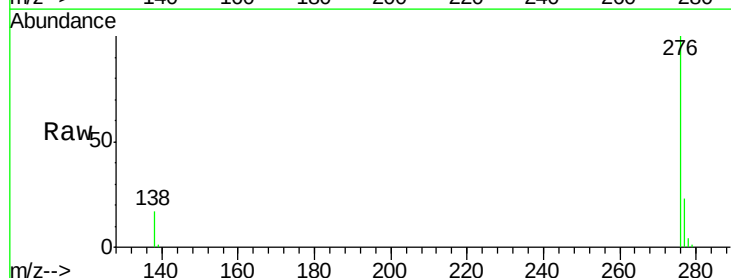
Tgt Ion: 276 Resp: 92688

Ion Ratio Lower Upper

276 100

277 23.2 19.2 28.8

138 17.4 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

