

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089826.D
 Acq On : 25 Mar 2015 00:13
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Quant Time: Mar 25 02:51:39 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 24 18:03:12 2015
 Response via : Initial Calibration

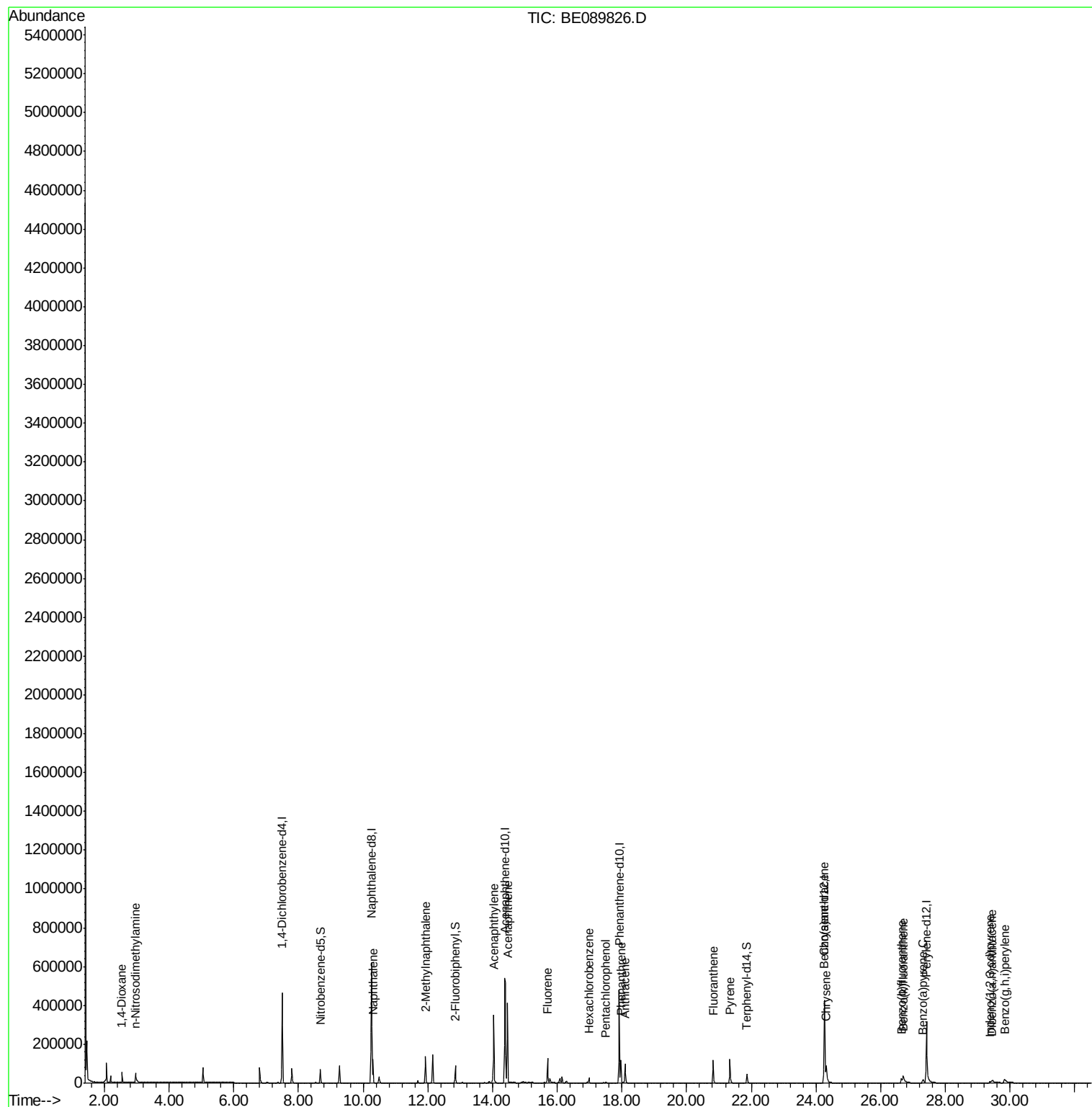
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	196790	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	801683	5.00	ng	0.00
8) Acenaphthene-d10	14.38	164	363764	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	616422	5.00	ng	0.00
19) Chrysene-d12	24.26	240	558818	5.00	ng	0.00
25) Perylene-d12	27.41	264	472407	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	56792	1.20	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	89074	1.05	ng	0.00
21) Terphenyl-d14	21.87	244	78508	0.95	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.55	88	26306	1.03	ng	92
3) n-Nitrosodimethylamine	2.97	42	37641	1.01	ng	# 73
6) Naphthalene	10.30	128	156773	0.99	ng	95
7) 2-Methylnaphthalene	11.93	142	93124	1.06	ng	99
10) Acenaphthylene	14.03	152	547011	1.05	ng	98
11) Acenaphthene	14.46	154	80145	1.01	ng	87
12) Fluorene	15.70	166	97278	1.01	ng	93
14) Hexachlorobenzene	16.98	284	20533	1.00	ng	94
15) Pentachlorophenol	17.50	266	4502	0.80	ng	95
16) Phenanthrene	17.97	178	136820	1.01	ng	99
17) Anthracene	18.10	178	125701	1.04	ng	100
18) Fluoranthene	20.82	202	132828	1.09	ng	99
20) Pyrene	21.34	202	137492	0.97	ng	99
22) Benzo(a)anthracene	24.25	228	96517	0.92	ng	97
23) Chrysene	24.32	228	116103	1.02	ng	98
24) Indeno(1,2,3-cd)pyrene	29.38	276	14825	0.54	ng	# 67
26) Benzo(b)fluoranthene	26.64	252	42475	0.71	ng	100
27) Benzo(k)fluoranthene	26.70	252	98692	1.02	ng	# 94
28) Benzo(a)pyrene	27.30	252	47479	0.78	ng	# 90
29) Dibenzo(a,h)anthracene	29.44	278	26232	0.69	ng	# 80
30) Benzo(g,h,i)perylene	29.83	276	64365	0.88	ng	# 89

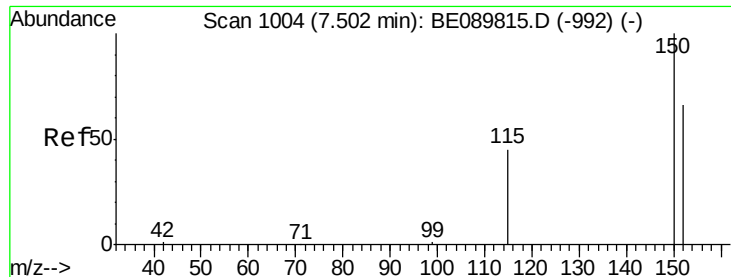
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

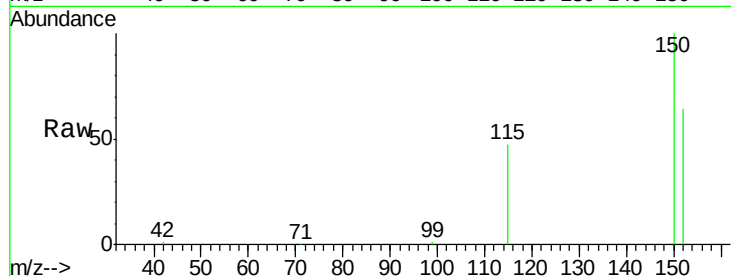
Tgt Ion:152 Resp: 196790

Ion Ratio Lower Upper

152 100

150 156.1 125.5 188.3

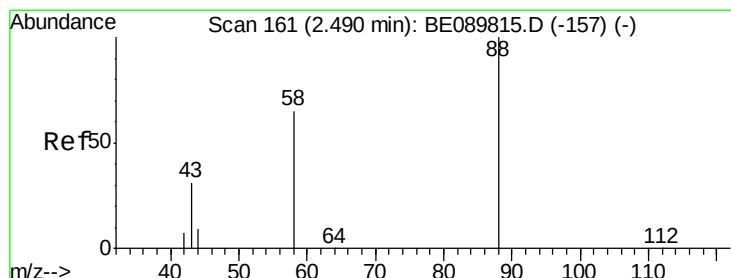
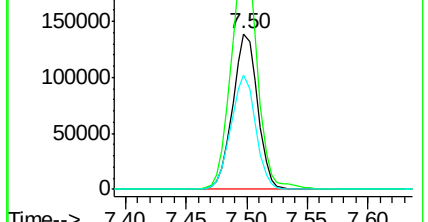
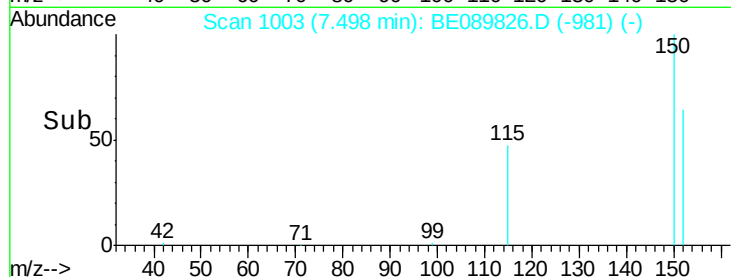
115 73.5 58.0 87.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 1.03 ng

RT: 2.55 min Scan# 169

Delta R.T. 0.02 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

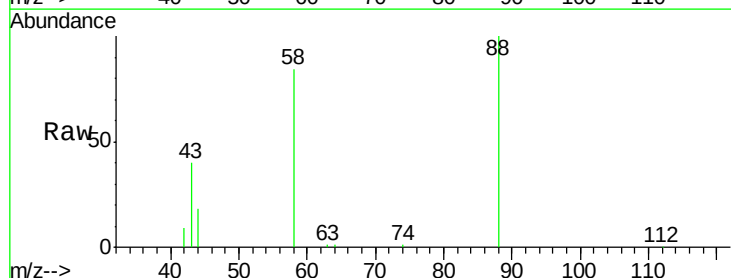
Tgt Ion: 88 Resp: 26306

Ion Ratio Lower Upper

88 100

58 69.0 48.6 72.8

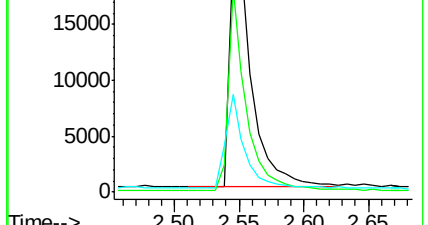
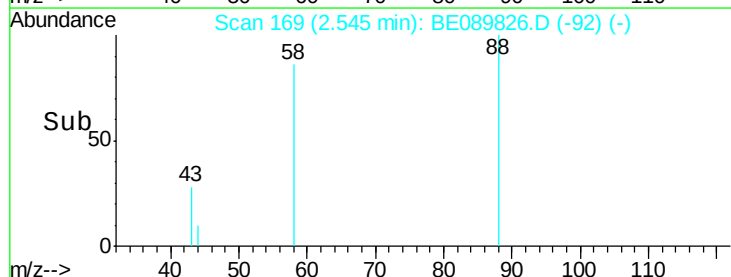
43 33.4 28.6 43.0

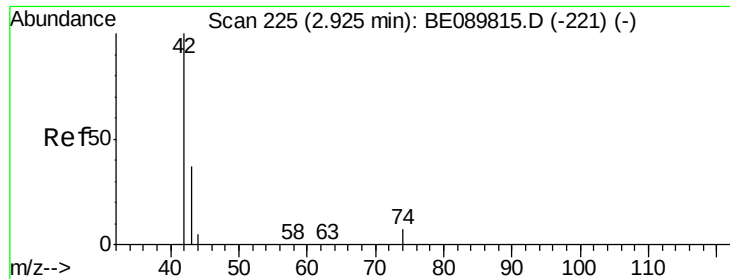


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.01 ng

RT: 2.97 min Scan# 231

Delta R.T. -0.03 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

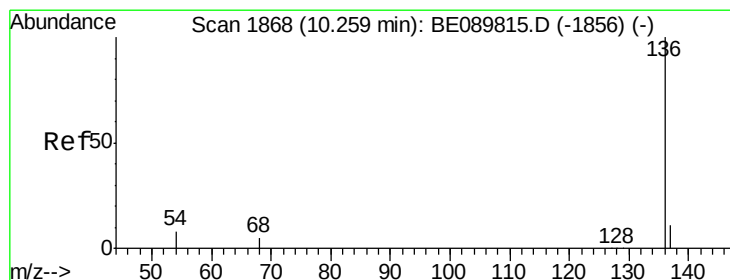
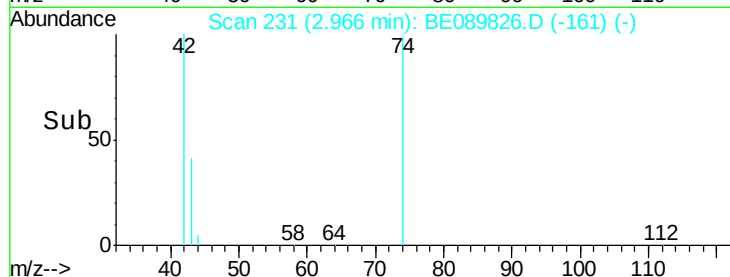
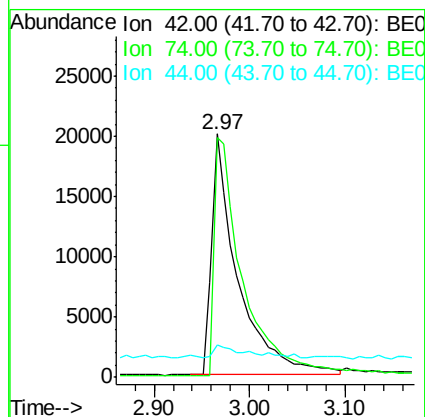
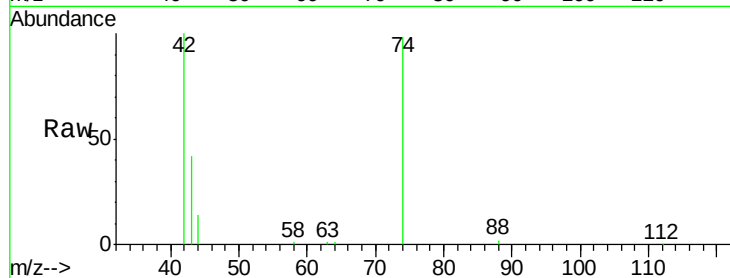
Tgt Ion: 42 Resp: 37641

Ion Ratio Lower Upper

42 100

74 111.8 68.7 103.1#

44 4.7 6.2 9.4#



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

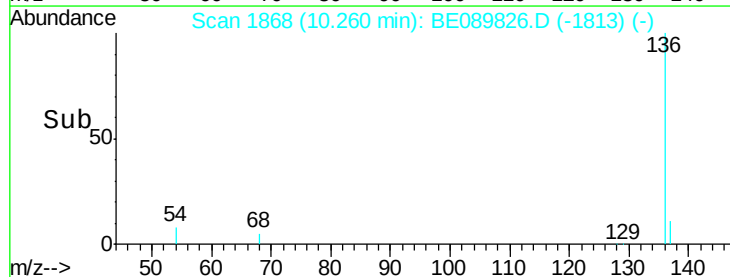
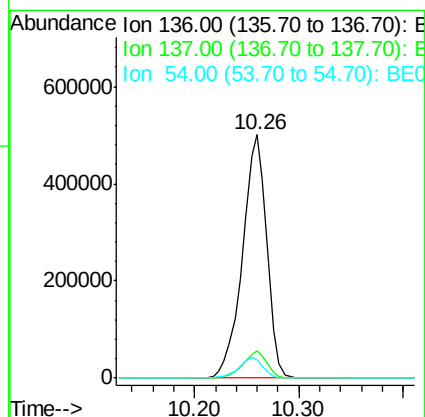
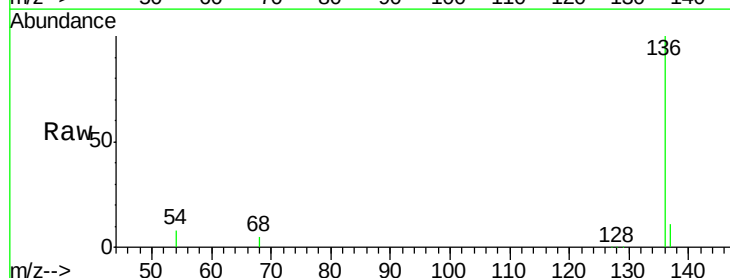
Tgt Ion: 136 Resp: 801683

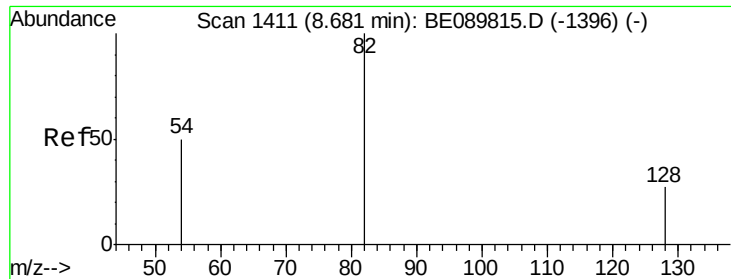
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.6 7.0 10.4





#5

Nitrobenzene-d5

Concen: 1.20 ng

RT: 8.68 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

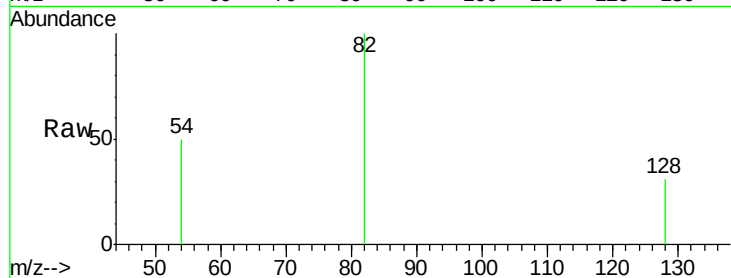
Tgt Ion: 82 Resp: 56792

Ion Ratio Lower Upper

82 100

128 31.4 24.6 37.0

54 50.0 43.0 64.6



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

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

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

8.68

40000

30000

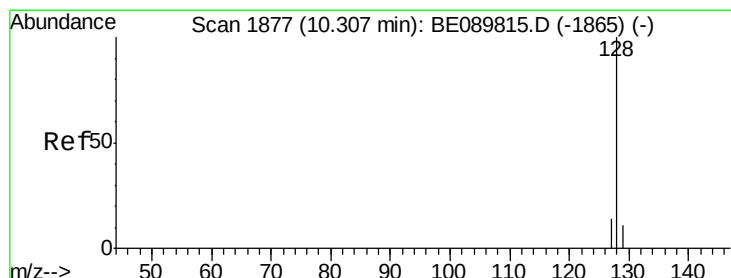
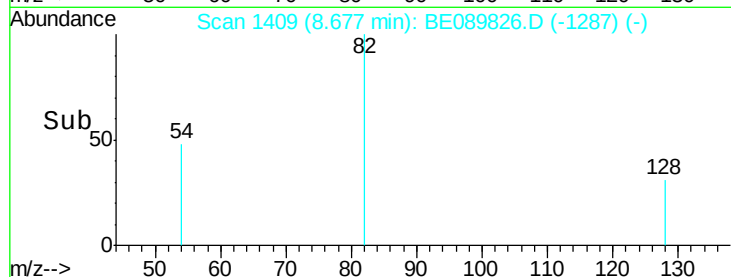
20000

10000

0

8.60 8.65 8.70 8.75

Time-->



#6

Naphthalene

Concen: 0.99 ng

RT: 10.30 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

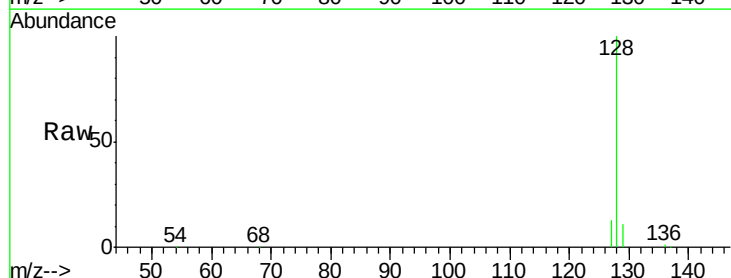
Tgt Ion: 128 Resp: 156773

Ion Ratio Lower Upper

128 100

129 11.1 10.0 15.0

127 13.1 12.5 18.7



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

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

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

10.30

120000

100000

80000

60000

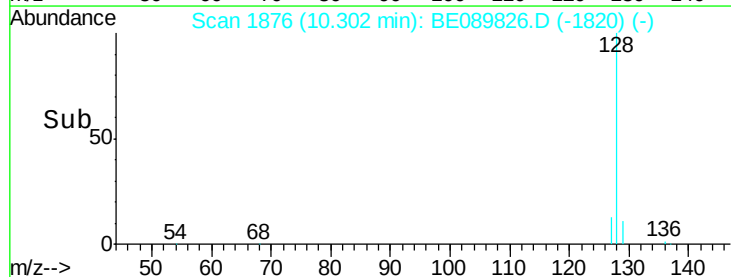
40000

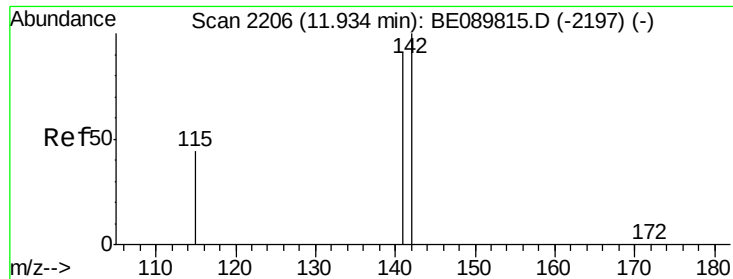
20000

0

10.20 10.30 10.40

Time-->





#7

2-Methylnaphthalene

Concen: 1.06 ng

RT: 11.93 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

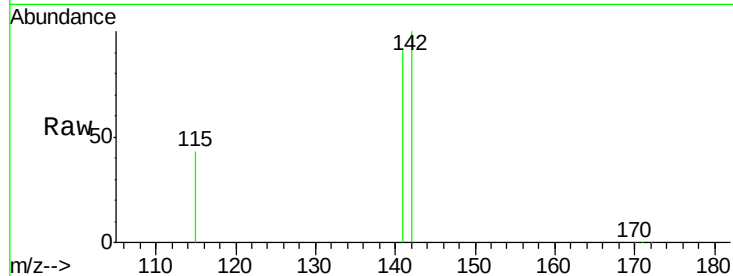
Tgt Ion:142 Resp: 93124

Ion Ratio Lower Upper

142 100

141 90.8 72.8 109.2

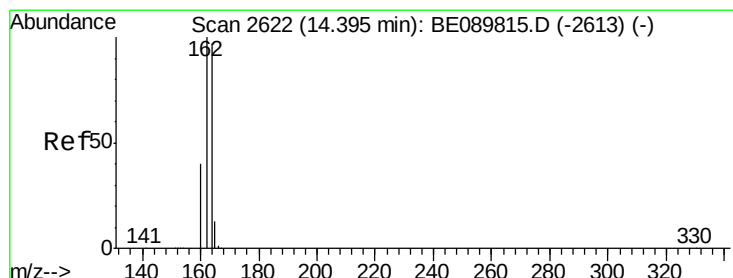
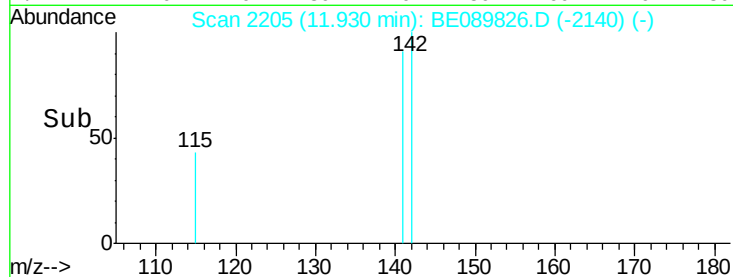
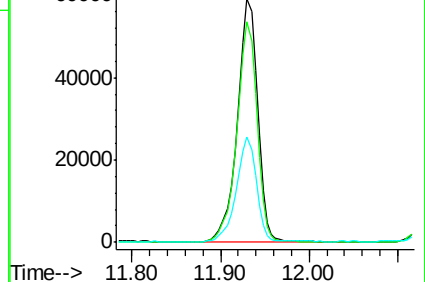
115 43.3 32.9 49.3



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: 14.38 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

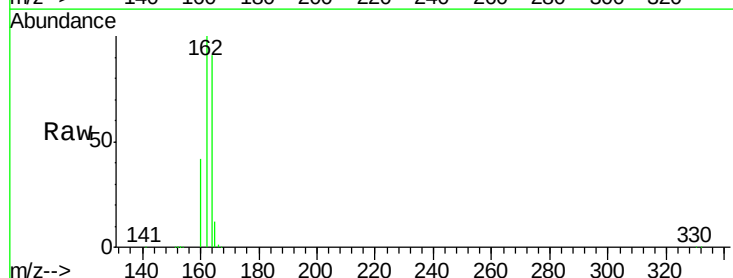
Tgt Ion:164 Resp: 363764

Ion Ratio Lower Upper

164 100

162 110.3 87.6 131.4

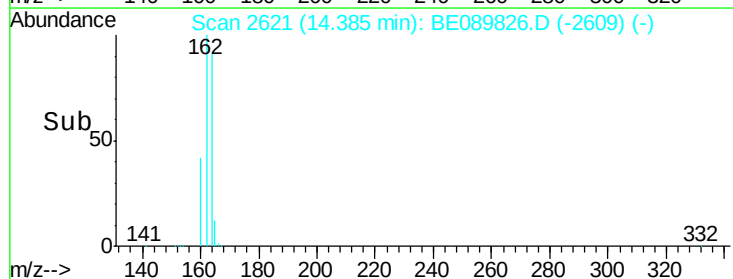
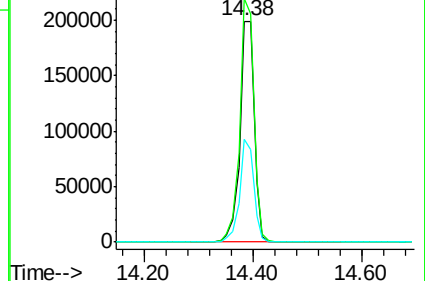
160 46.8 36.7 55.1

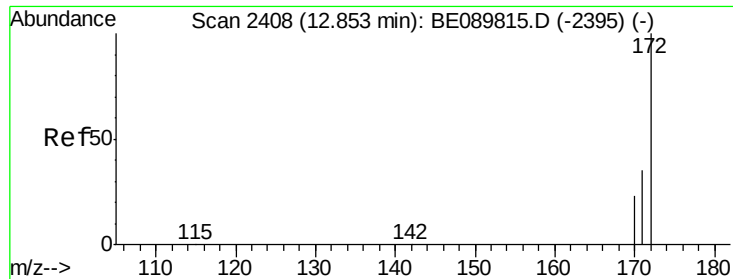


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 1.05 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

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SSTDCCC001

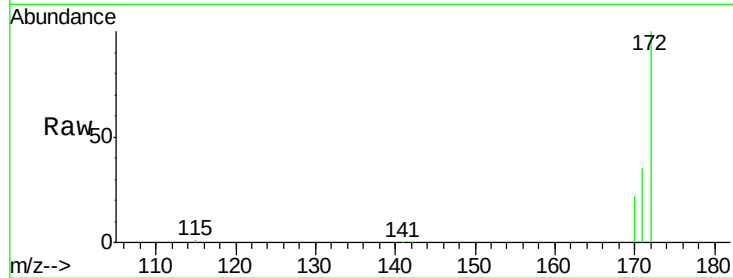
Tgt Ion:172 Resp: 89074

Ion Ratio Lower Upper

172 100

171 34.8 30.8 46.2

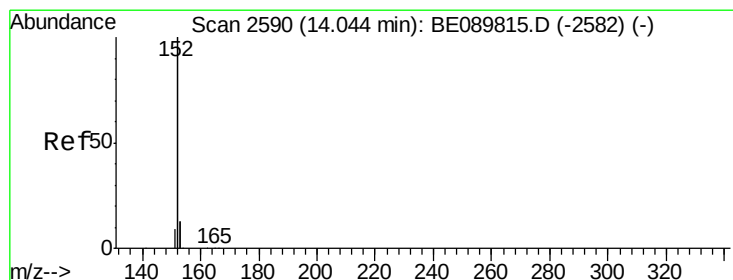
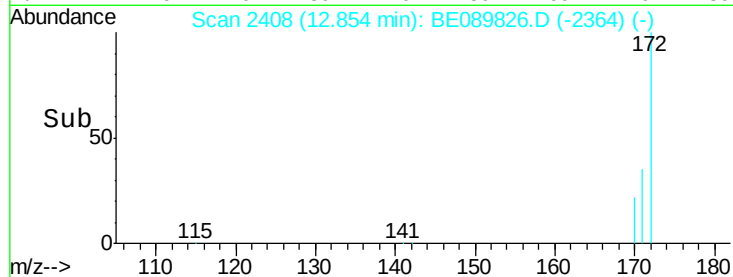
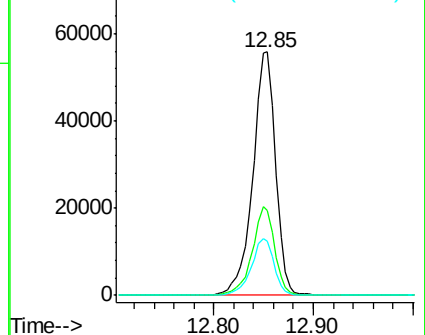
170 22.3 21.0 31.4



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: 1.05 ng

RT: 14.03 min Scan# 2589

Delta R.T. -0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

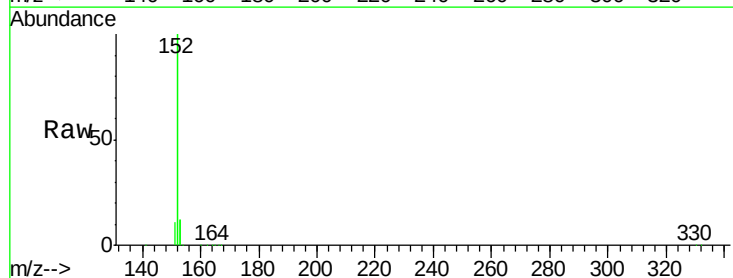
Tgt Ion:152 Resp: 547011

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

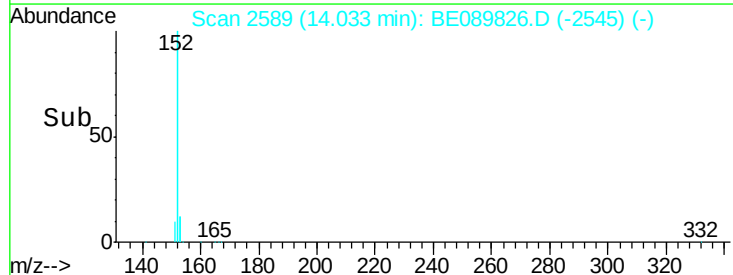
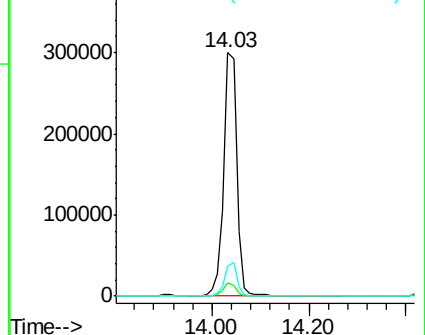
153 12.9 11.0 16.4

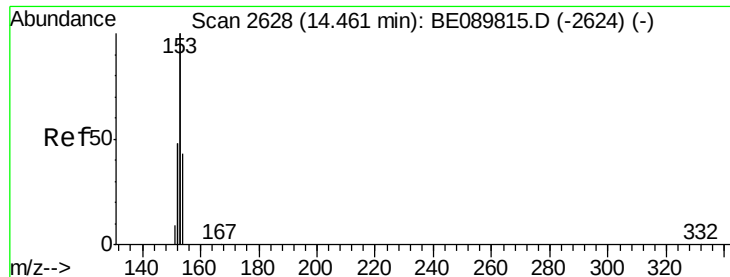


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 1.01 ng

RT: 14.46 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

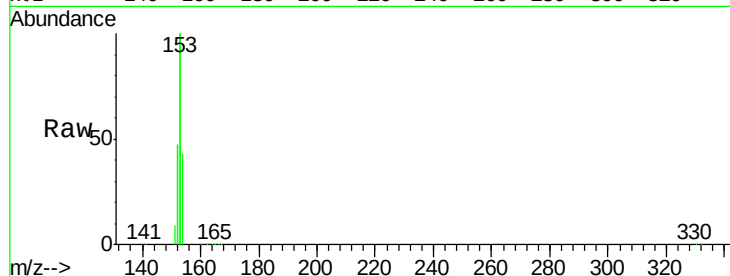
Tgt Ion:154 Resp: 80145

Ion Ratio Lower Upper

154 100

153 466.9 401.5 602.3

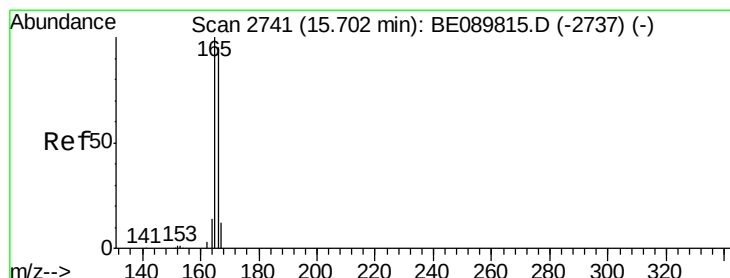
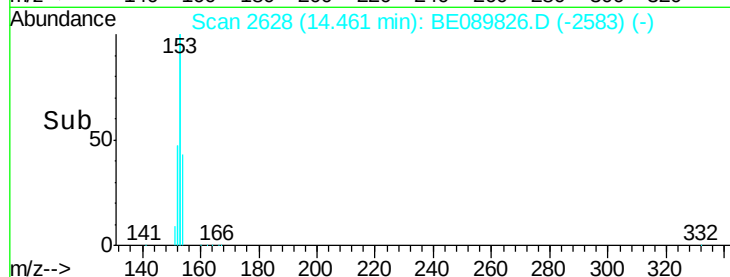
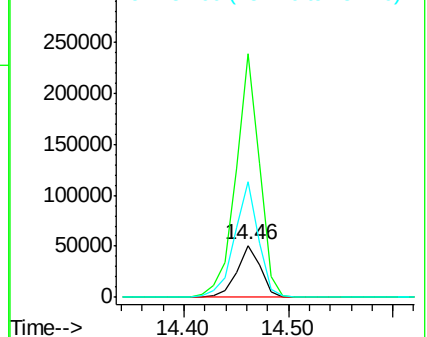
152 222.2 198.6 298.0



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: 15.70 min Scan# 2741

Delta R.T. -0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

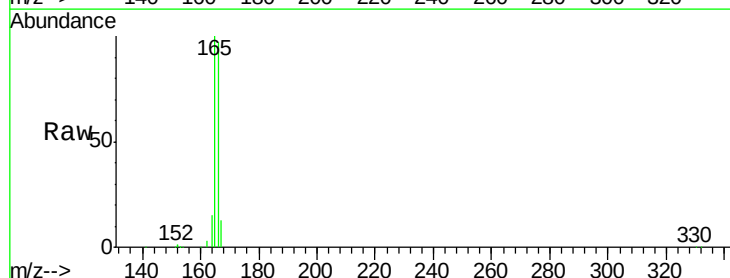
Tgt Ion:166 Resp: 97278

Ion Ratio Lower Upper

166 100

165 99.1 85.1 127.7

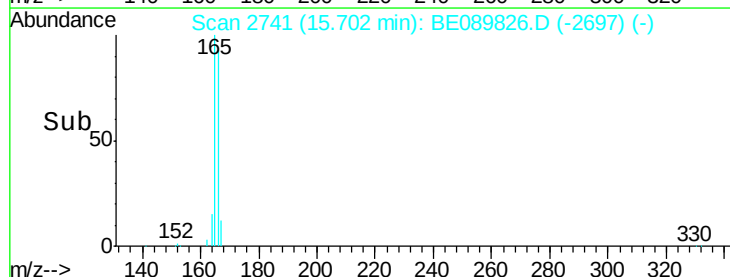
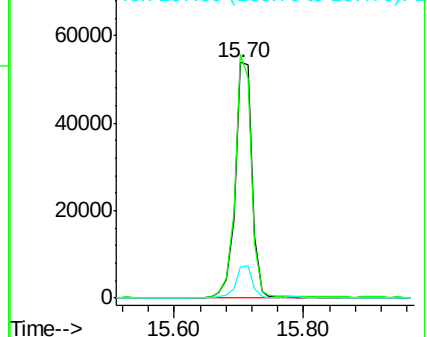
167 13.4 12.2 18.4

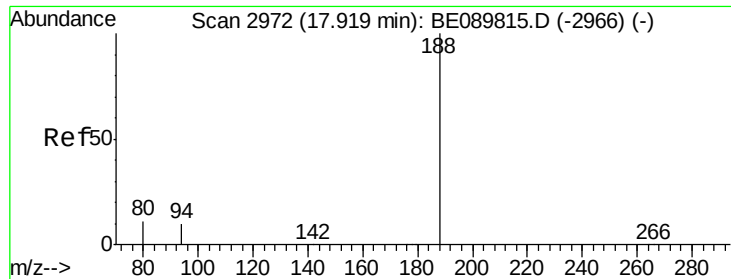


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

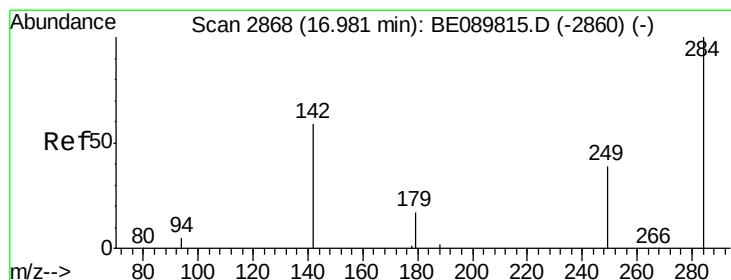
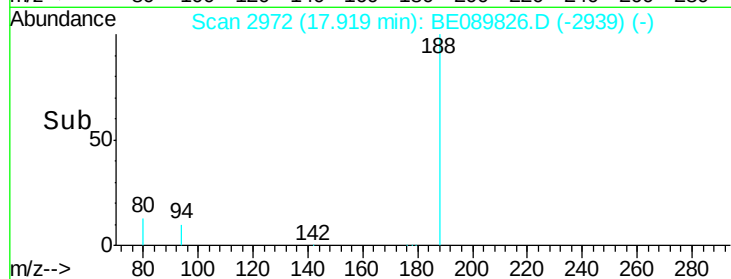
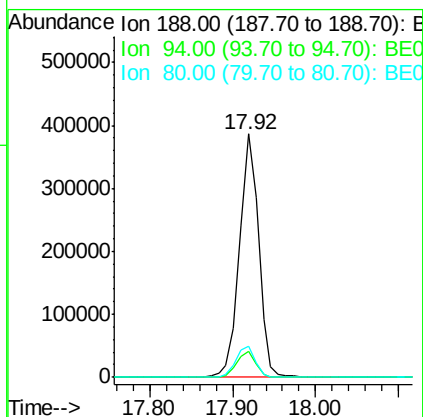
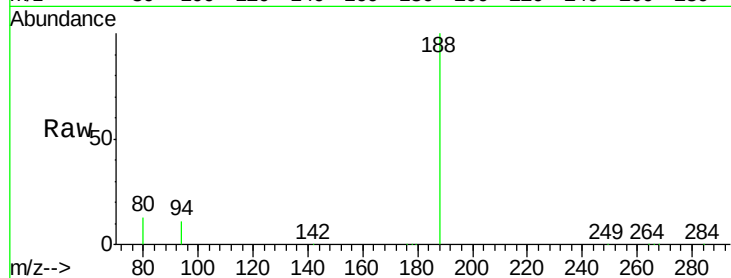




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

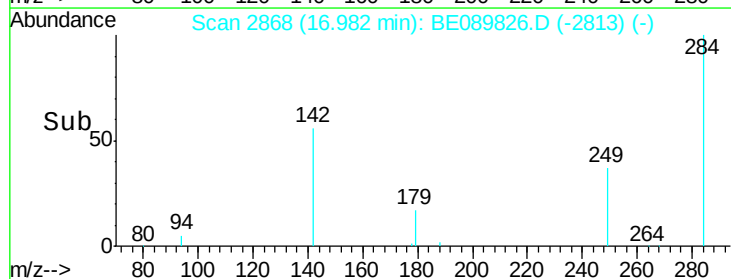
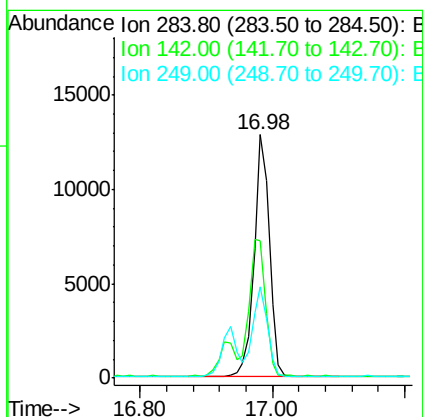
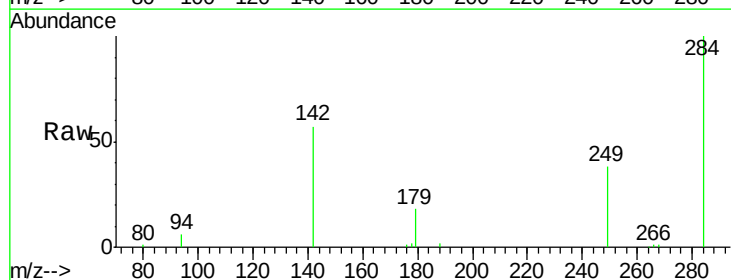
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

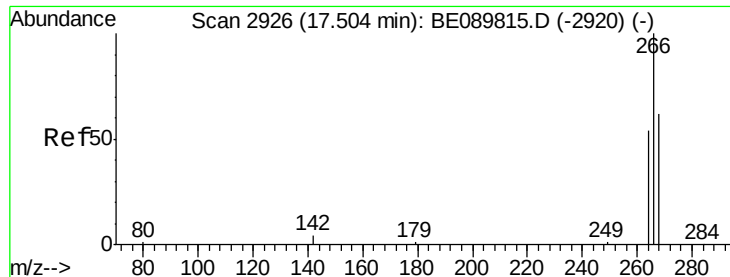
Tgt Ion:188 Resp: 616422
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 12.7 10.0 15.0



#14
Hexachlorobenzene
Concen: 1.00 ng
RT: 16.98 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BE089826.D
Acq: 25 Mar 2015 00:13

Tgt Ion:284 Resp: 20533
Ion Ratio Lower Upper
284 100
142 61.0 53.3 79.9
249 35.6 31.1 46.7

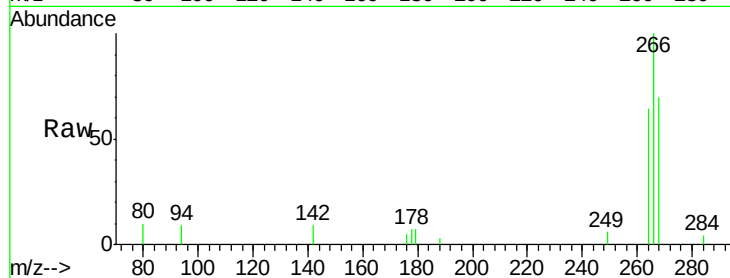




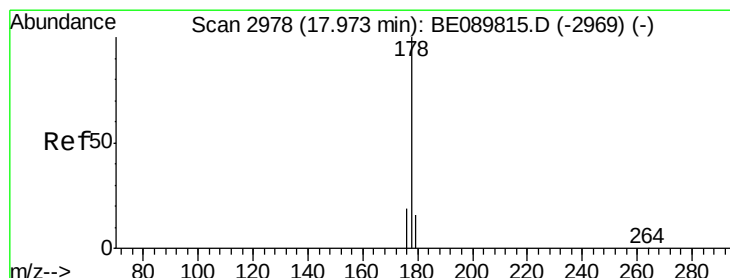
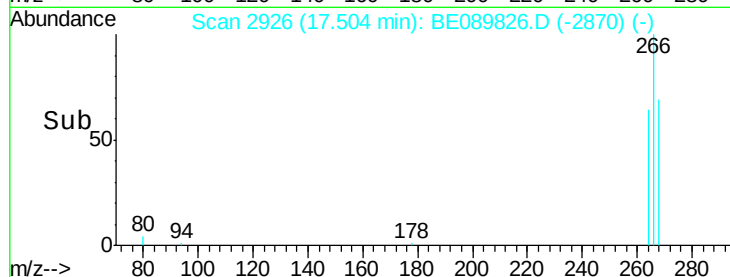
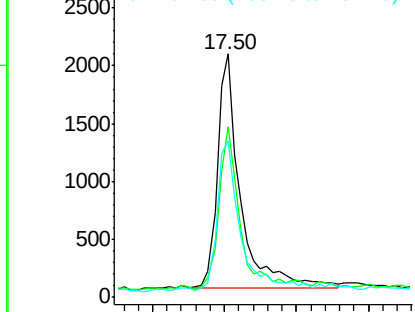
#15
 Pentachlorophenol
 Concen: 0.80 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. 0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion: 266 Resp: 4502
 Ion Ratio Lower Upper
 266 100
 268 69.9 51.6 77.4
 264 64.5 50.2 75.2

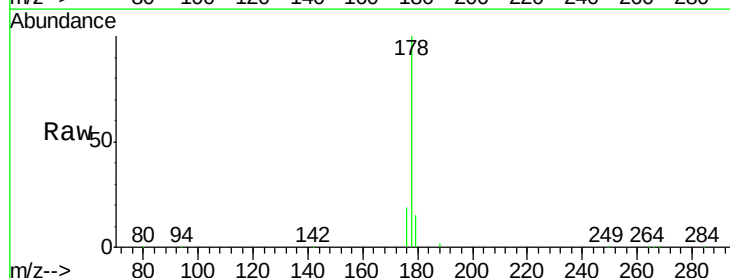


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

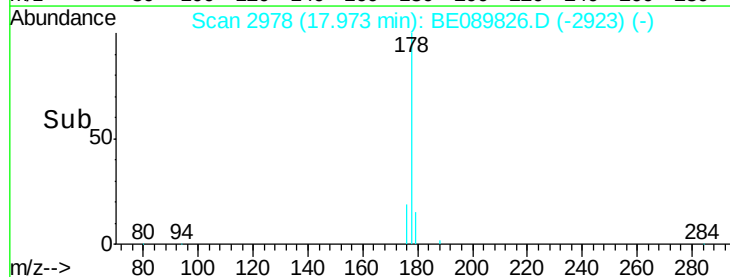
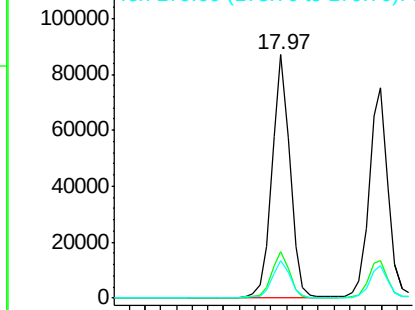


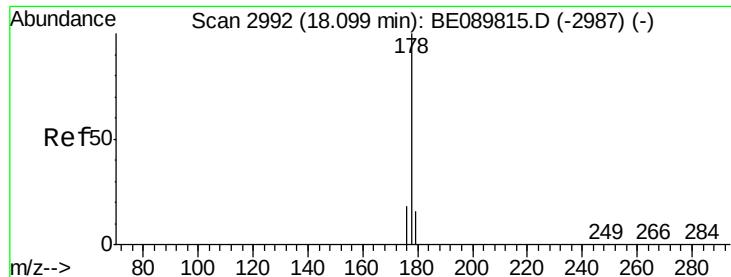
#16
 Phenanthrene
 Concen: 1.01 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Tgt Ion: 178 Resp: 136820
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.0
 179 15.6 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: 1.04 ng

RT: 18.10 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

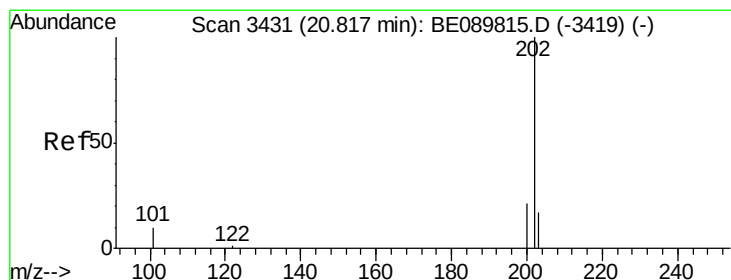
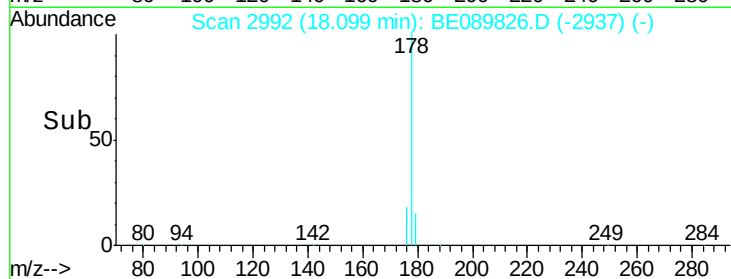
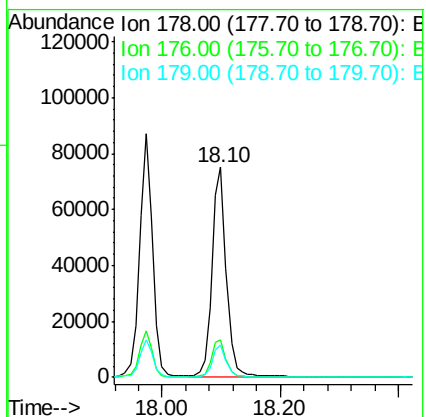
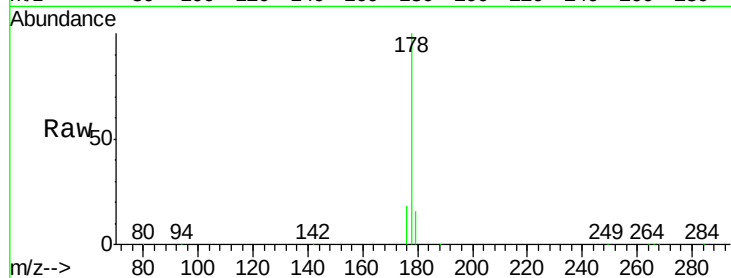
Tgt Ion:178 Resp: 125701

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

179 14.9 12.1 18.1



#18

Fluoranthene

Concen: 1.09 ng

RT: 20.82 min Scan# 3432

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

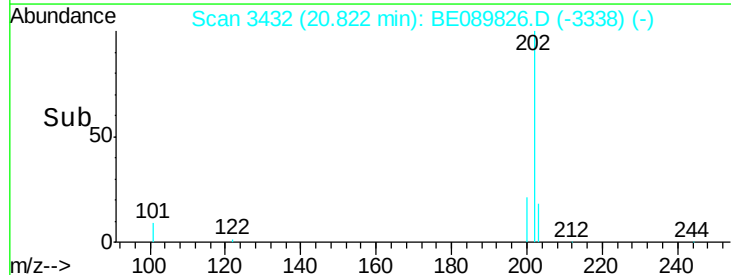
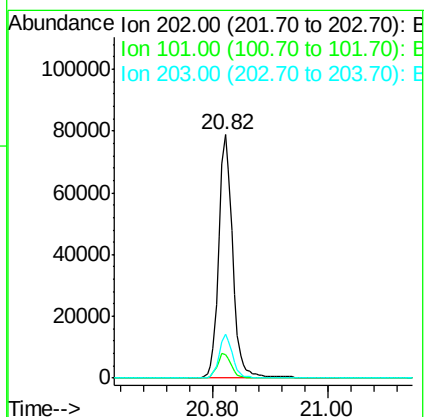
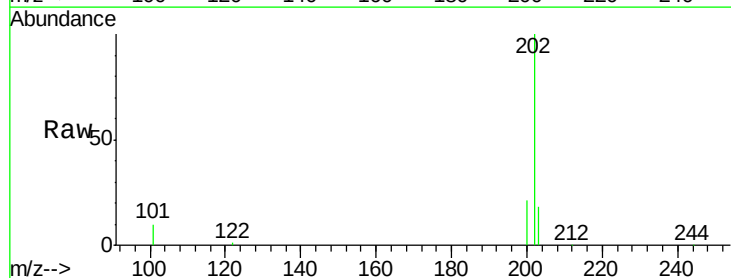
Tgt Ion:202 Resp: 132828

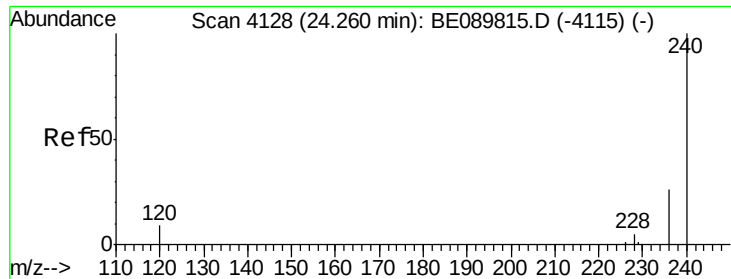
Ion Ratio Lower Upper

202 100

101 10.0 8.2 12.2

203 17.3 14.2 21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

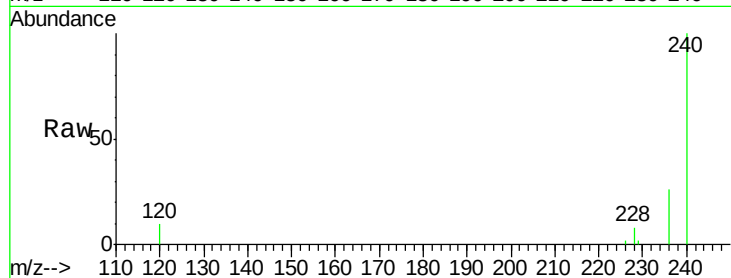
Tgt Ion:240 Resp: 558818

Ion Ratio Lower Upper

240 100

120 9.5 7.5 11.3

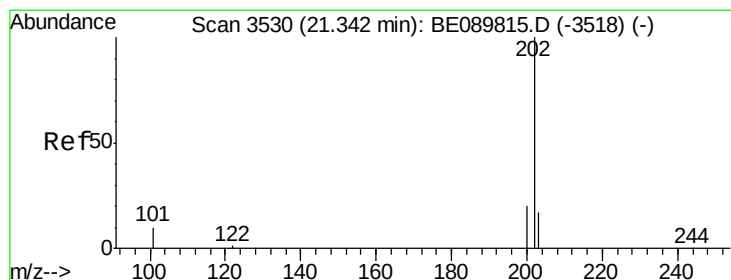
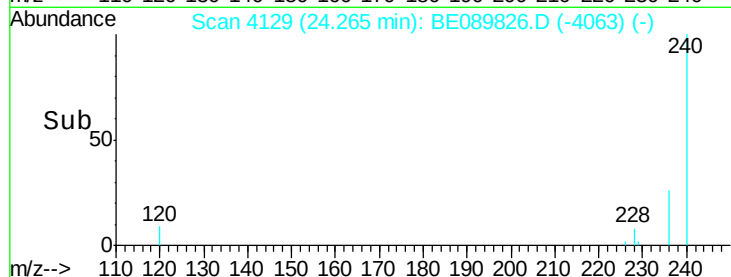
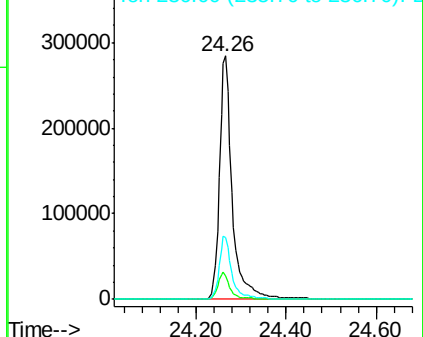
236 25.5 20.5 30.7



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: 0.97 ng

RT: 21.34 min Scan# 3530

Delta R.T. -0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

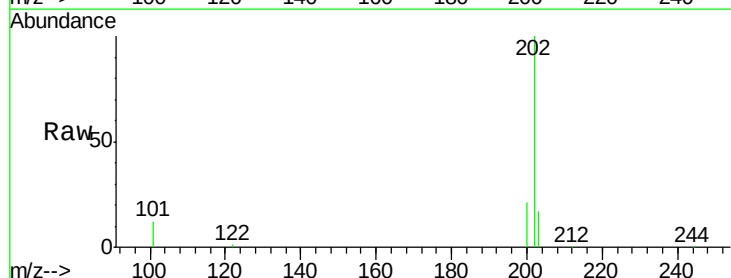
Tgt Ion:202 Resp: 137492

Ion Ratio Lower Upper

202 100

200 20.6 15.9 23.9

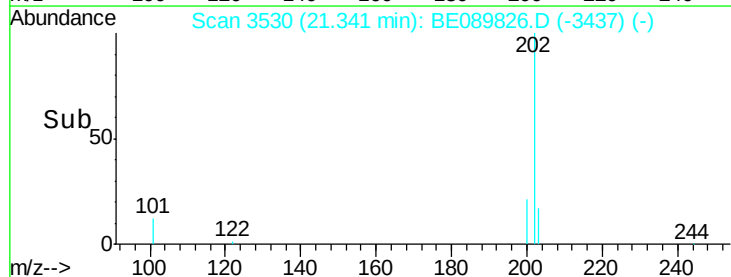
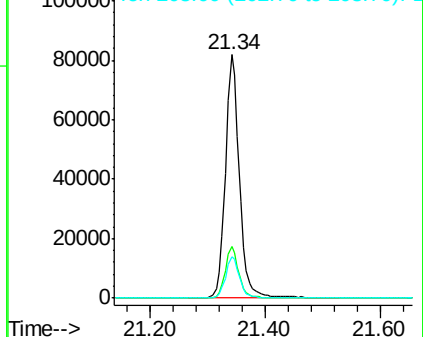
203 16.8 13.6 20.4

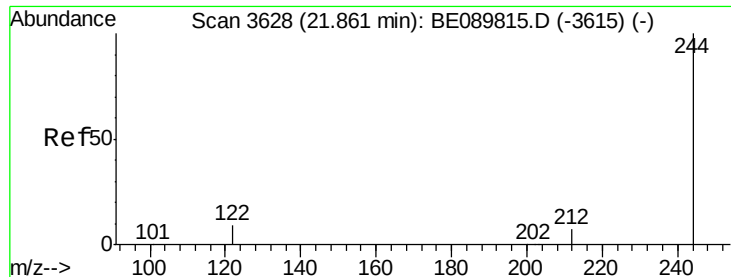


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.95 ng

RT: 21.87 min Scan# 3629

Delta R.T. 0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

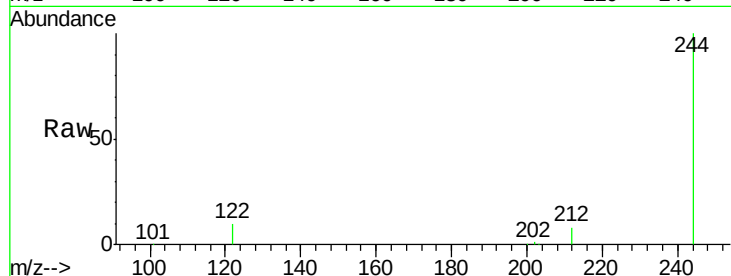
Tgt Ion:244 Resp: 78508

Ion Ratio Lower Upper

244 100

212 7.7 7.3 10.9

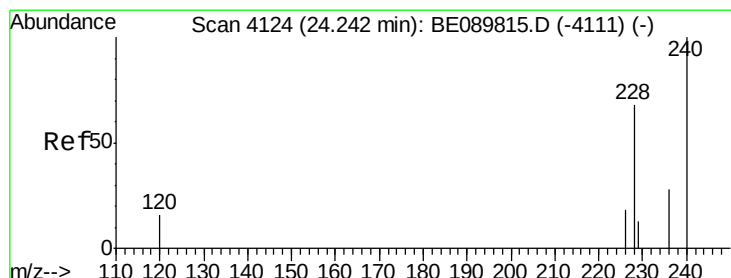
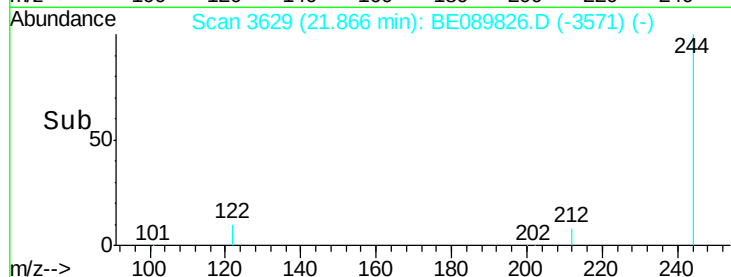
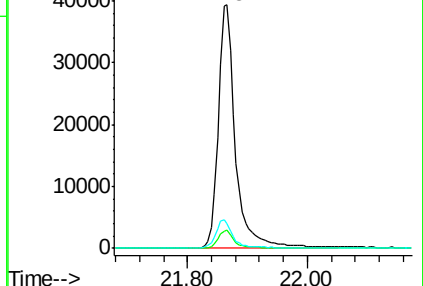
122 10.3 10.5 15.7#



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: 0.92 ng

RT: 24.25 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

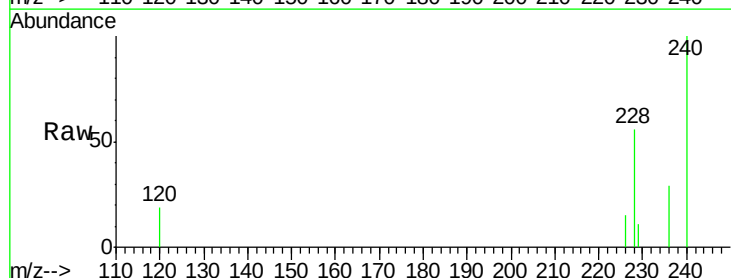
Tgt Ion:228 Resp: 96517

Ion Ratio Lower Upper

228 100

226 26.8 19.8 29.8

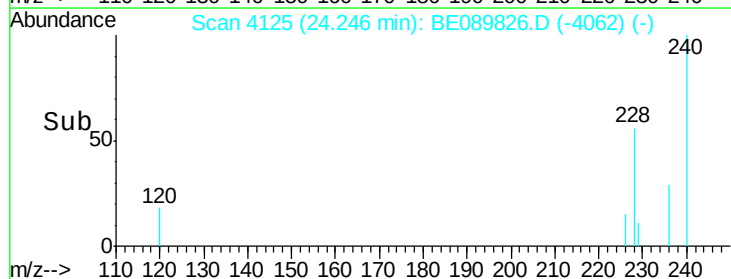
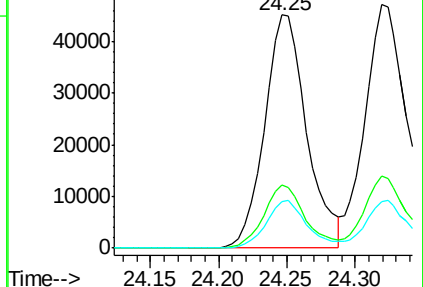
229 19.8 16.3 24.5

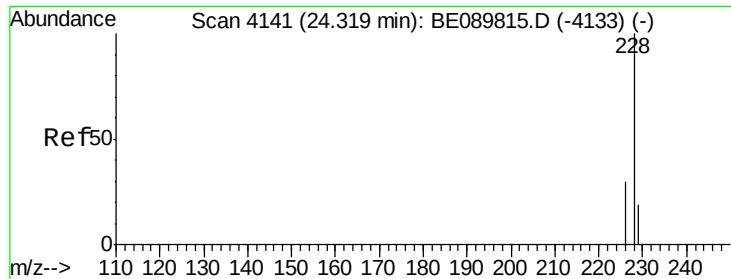


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 1.02 ng

RT: 24.32 min Scan# 4141

Delta R.T. 0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

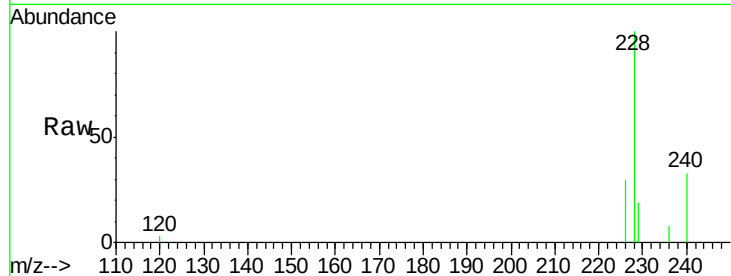
Tgt Ion:228 Resp: 116103

Ion Ratio Lower Upper

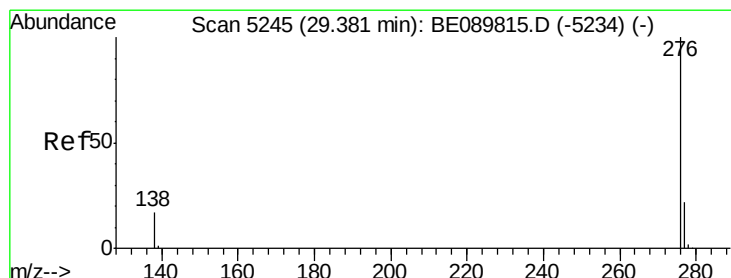
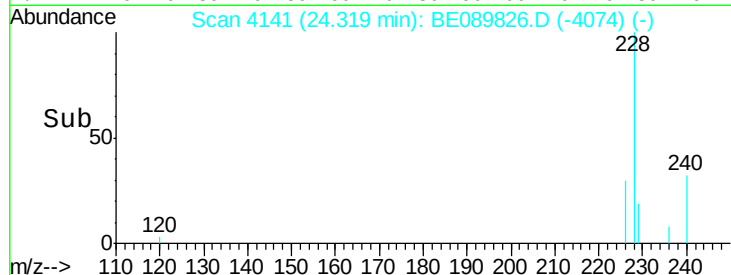
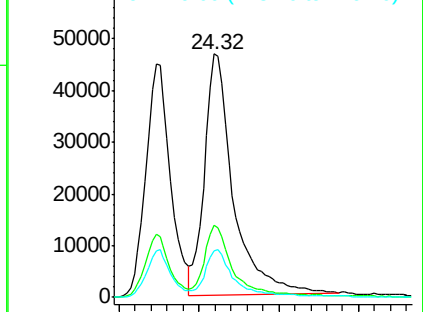
228 100

226 29.7 23.0 34.4

229 18.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.54 ng

RT: 29.38 min Scan# 5246

Delta R.T. 0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

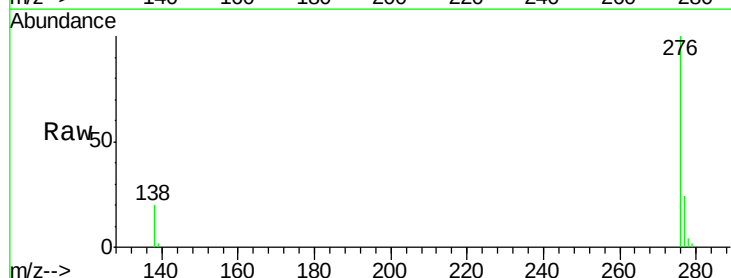
Tgt Ion:276 Resp: 14825

Ion Ratio Lower Upper

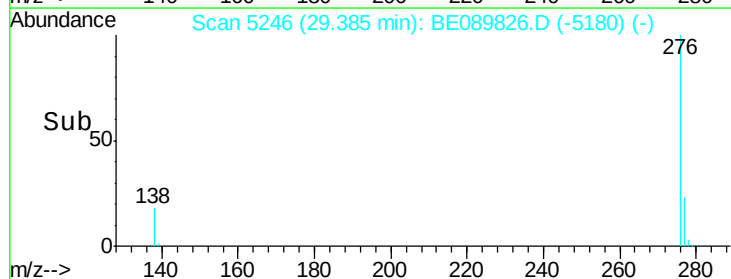
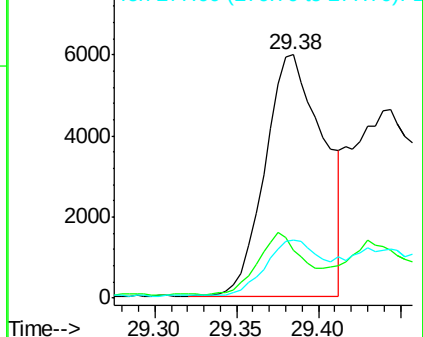
276 100

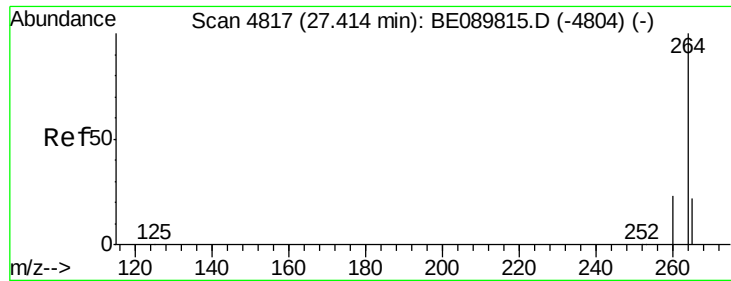
138 20.5 4.3 6.5#

277 21.7 9.0 13.4#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

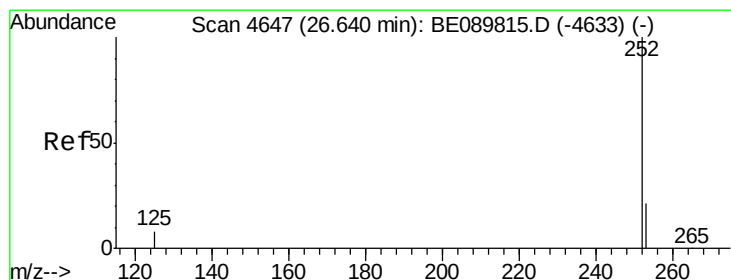
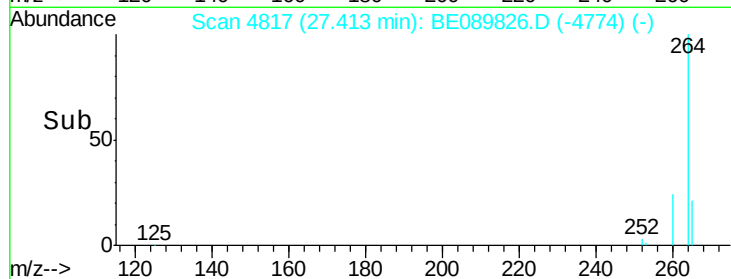
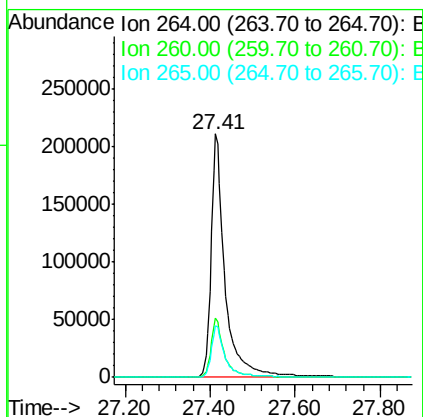
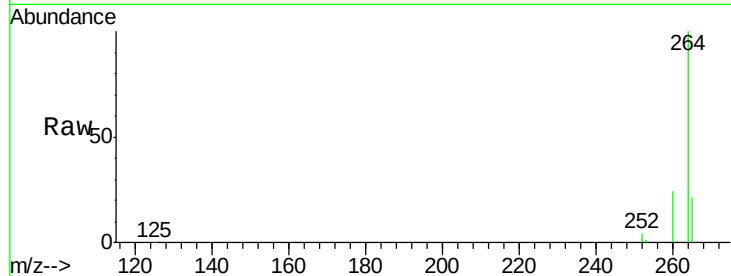




#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4817
 Delta R.T. -0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

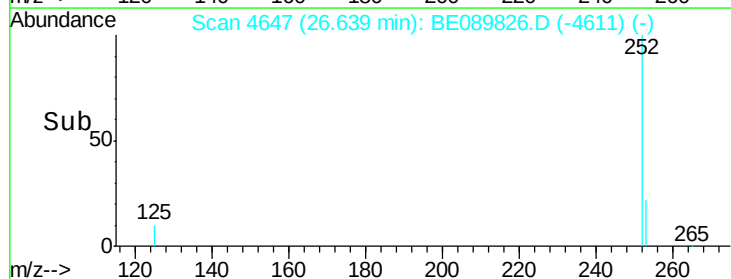
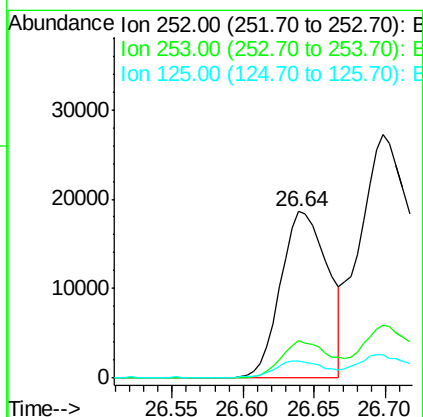
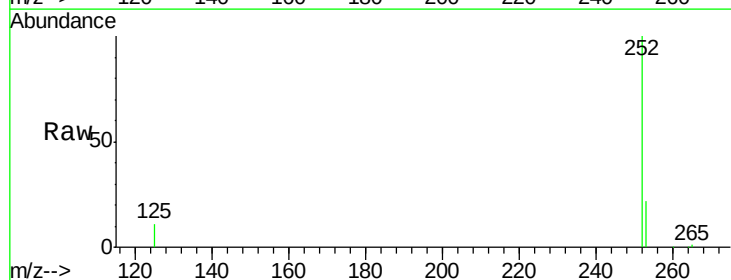
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

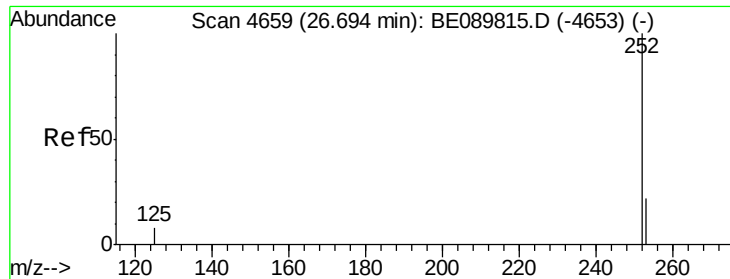
Tgt Ion: 264 Resp: 472407
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.2 27.2
 265 21.2 17.3 25.9



#26
Benzo(b)fluoranthene
 Concen: 0.71 ng
 RT: 26.64 min Scan# 4647
 Delta R.T. 0.00 min
 Lab File: BE089826.D
 Acq: 25 Mar 2015 00:13

Tgt Ion: 252 Resp: 42475
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.8 26.6
 125 10.6 8.7 13.1





#27

Benzo(k)fluoranthene

Concen: 1.02 ng

RT: 26.70 min Scan# 4660

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

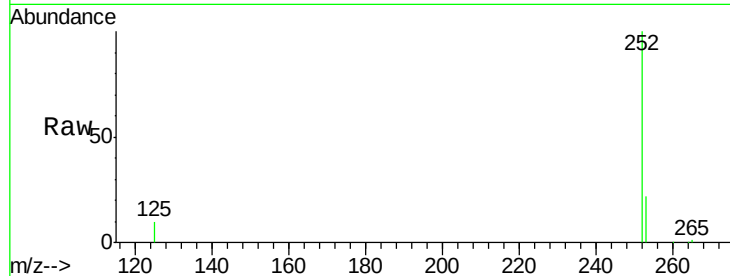
Tgt Ion:252 Resp: 98692

Ion Ratio Lower Upper

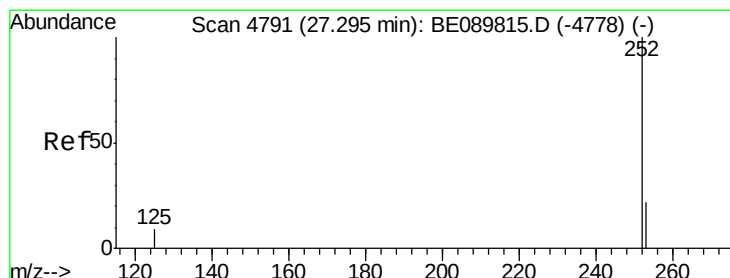
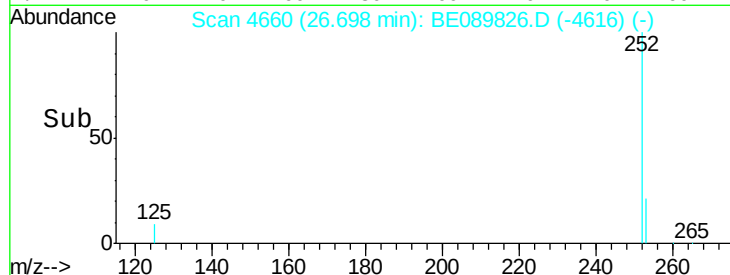
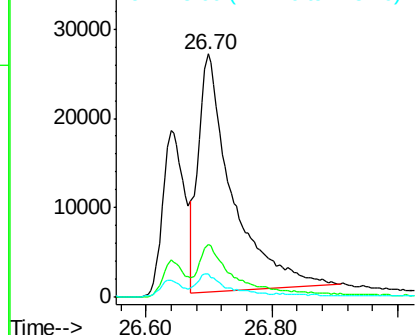
252 100

253 21.6 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: 0.78 ng

RT: 27.30 min Scan# 4792

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

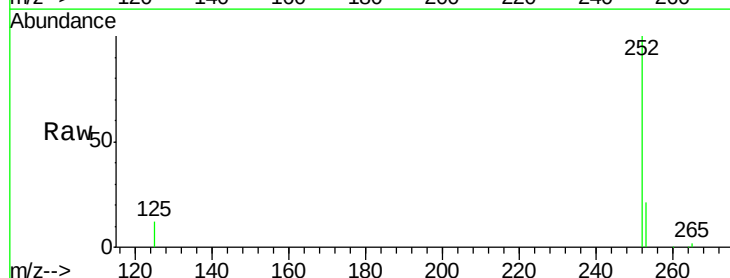
Tgt Ion:252 Resp: 47479

Ion Ratio Lower Upper

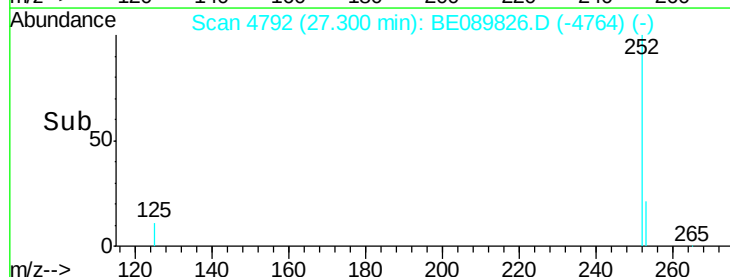
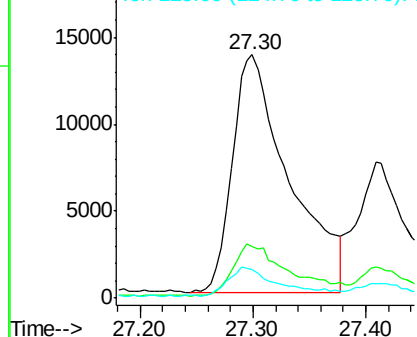
252 100

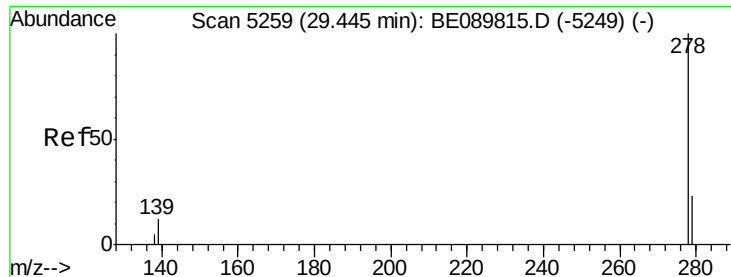
253 21.5 21.0 31.4

125 11.7 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: 0.69 ng

RT: 29.44 min Scan# 5258

Delta R.T. -0.00 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

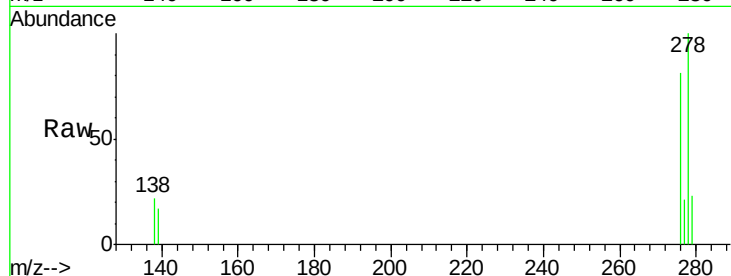
Tgt Ion: 278 Resp: 26232

Ion Ratio Lower Upper

278 100

139 17.1 20.0 30.0#

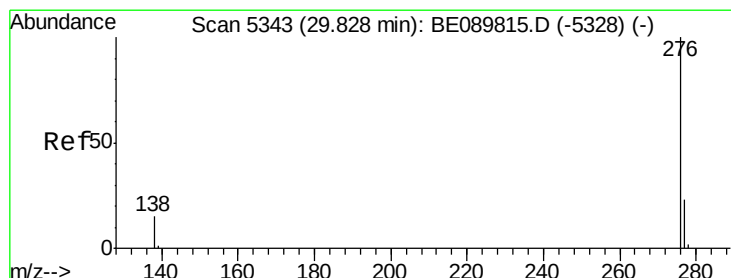
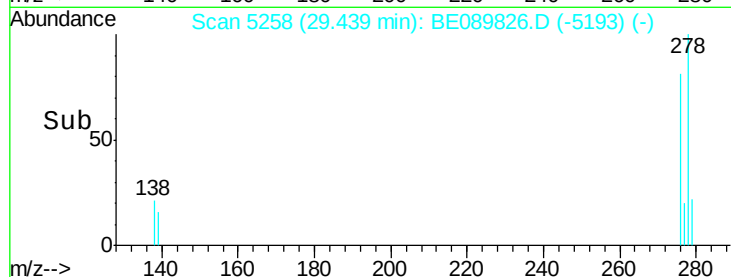
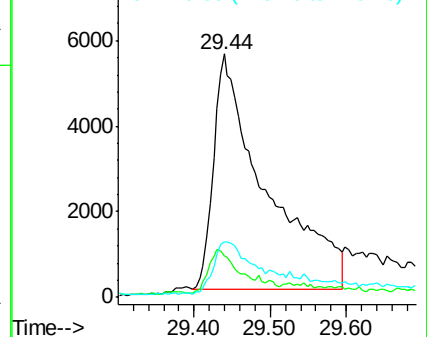
279 22.7 28.9 43.3#



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: 0.88 ng

RT: 29.83 min Scan# 5344

Delta R.T. 0.01 min

Lab File: BE089826.D

Acq: 25 Mar 2015 00:13

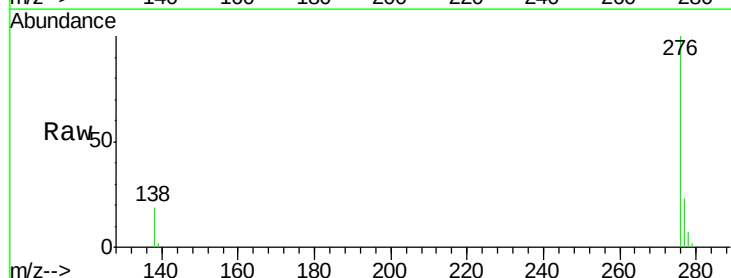
Tgt Ion: 276 Resp: 64365

Ion Ratio Lower Upper

276 100

277 22.7 19.2 28.8

138 19.4 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

