

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089634.D
 Acq On : 19 Feb 2015 2:49
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Quant Time: Feb 19 05:46:34 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 13:01:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	45906	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	183742	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	92424	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	181614	5.00	ng	0.00
19) Chrysene-d12	23.66	240	179478	5.00	ng	0.00
25) Perylene-d12	25.34	264	148876	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	8079	1.01	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	24820	1.00	ng	0.00
21) Terphenyl-d14	22.31	244	25975	1.01	ng	0.00

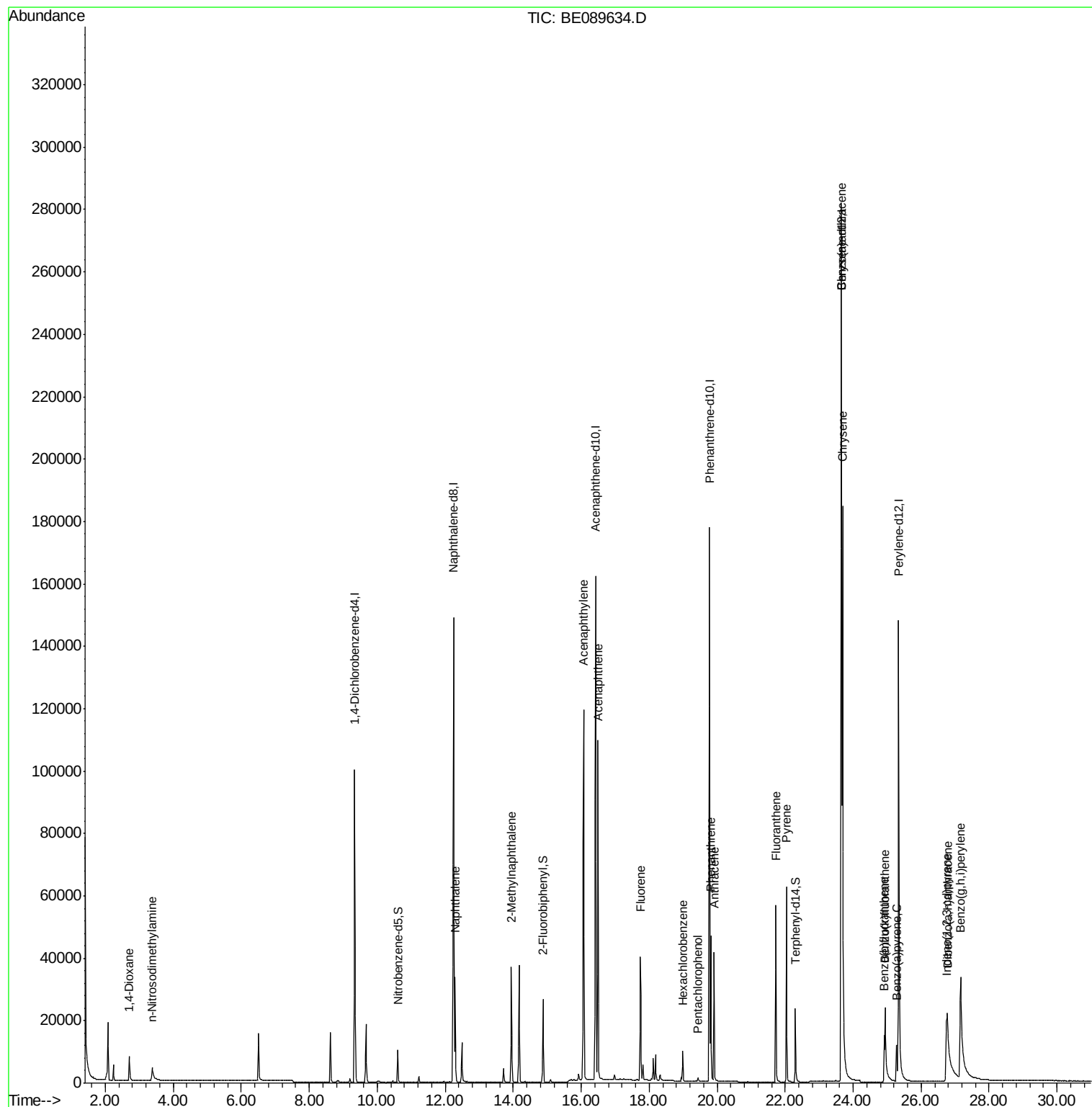
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.70	88	5444	0.97	ng	100
3) n-Nitrosodimethylamine	3.36	42	5236	0.98	ng	97
6) Naphthalene	12.29	128	41311	1.00	ng	99
7) 2-Methylnaphthalene	13.95	142	25557	1.01	ng	99
10) Acenaphthylene	16.07	152	150812	1.01	ng	100
11) Acenaphthene	16.50	154	24091	1.00	ng	99
12) Fluorene	17.74	166	27908	1.00	ng	99
14) Hexachlorobenzene	19.00	284	8021	1.03	ng	96
15) Pentachlorophenol	19.44	266	958	0.88	ng	98
16) Phenanthrene	19.81	178	44002	0.99	ng	100
17) Anthracene	19.91	178	38042	1.00	ng	100
18) Fluoranthene	21.72	202	41834	0.98	ng	100
20) Pyrene	22.04	202	45968	1.04	ng	100
22) Benzo(a)anthracene	23.65	228	142302	0.90	ng	96
23) Chrysene	23.69	228	184176	1.04	ng	99
24) Indeno(1,2,3-cd)pyrene	26.74	276	86595	0.70	ng	# 73
26) Benzo(b)fluoranthene	24.91	252	15080	0.68	ng	99
27) Benzo(k)fluoranthene	24.95	252	45357	1.07	ng	99
28) Benzo(a)pyrene	25.28	252	17591	0.75	ng	100
29) Dibenzo(a,h)anthracene	26.77	278	15951	0.71	ng	99
30) Benzo(g,h,i)perylene	27.17	276	93398	0.82	ng	100

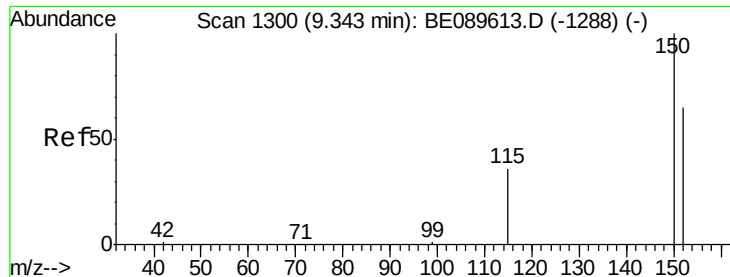
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

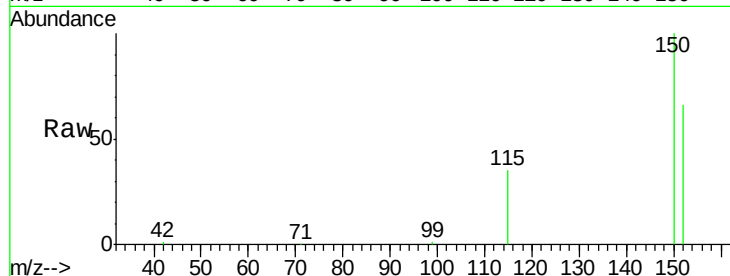
Tgt Ion:152 Resp: 45906

Ion Ratio Lower Upper

152 100

150 150.9 122.4 183.6

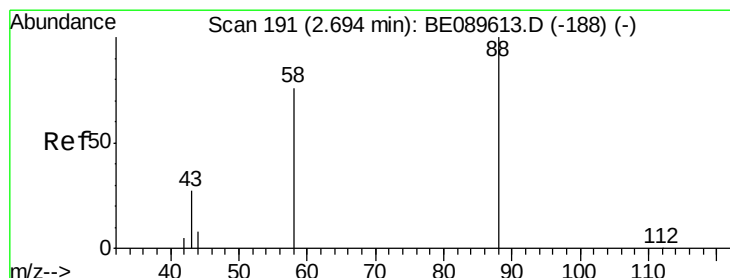
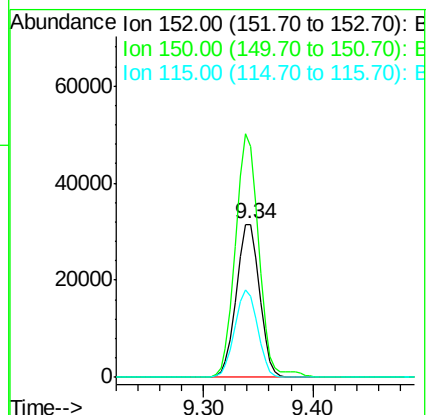
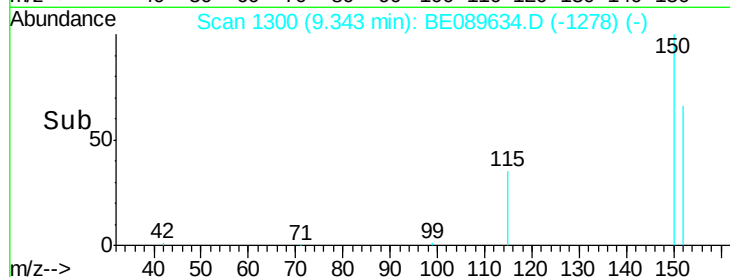
115 53.3 44.2 66.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.97 ng

RT: 2.70 min Scan# 192

Delta R.T. 0.01 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

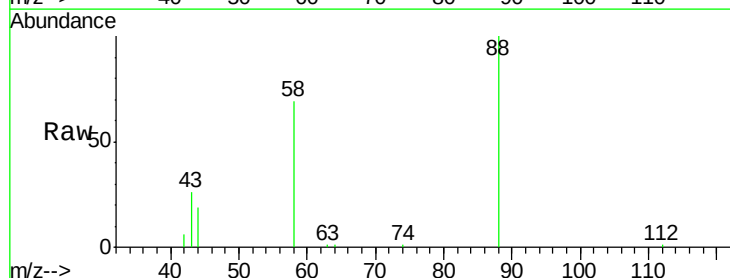
Tgt Ion: 88 Resp: 5444

Ion Ratio Lower Upper

88 100

58 68.3 54.6 81.8

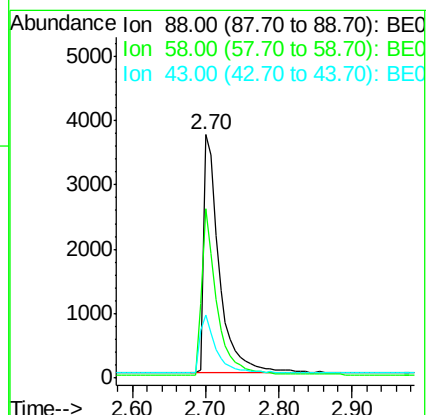
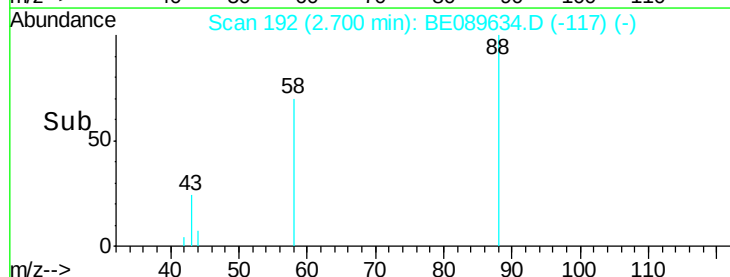
43 25.2 20.6 30.8

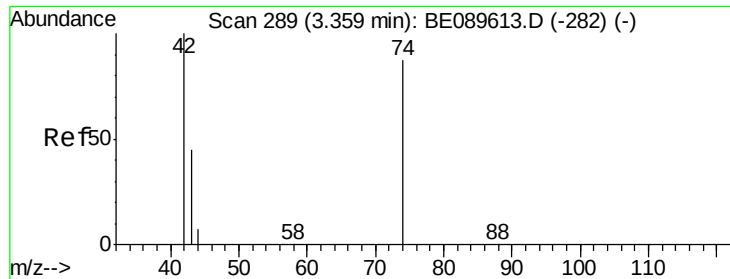


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



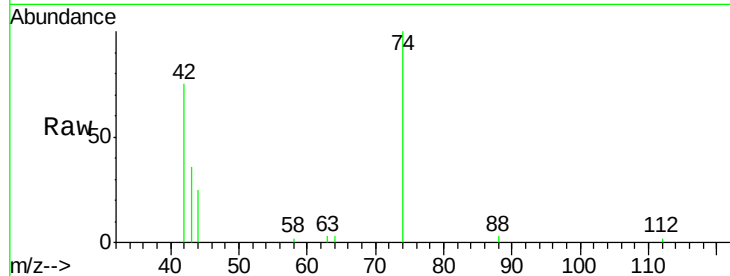


#3

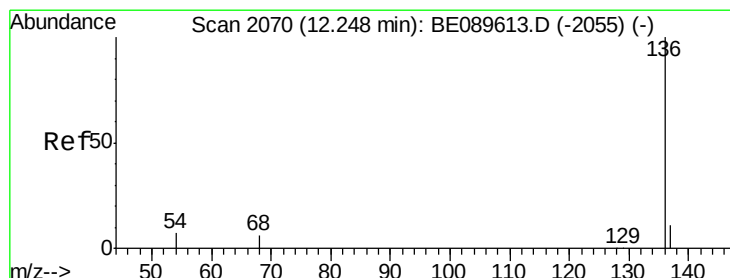
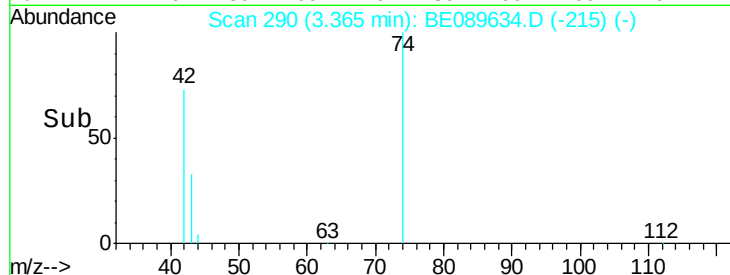
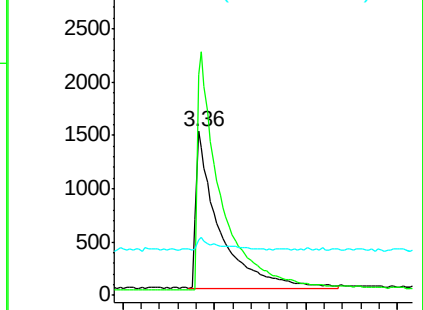
n-Nitrosodimethylamine
Concen: 0.98 ng
RT: 3.36 min Scan# 290
Delta R.T. 0.01 min
Lab File: BE089634.D
Acq: 19 Feb 2015 2:49

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion: 42 Resp: 5236
Ion Ratio Lower Upper
42 100
74 156.1 121.4 182.0
44 5.4 4.5 6.7



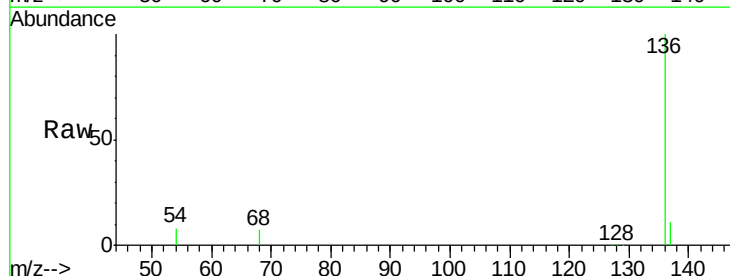
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



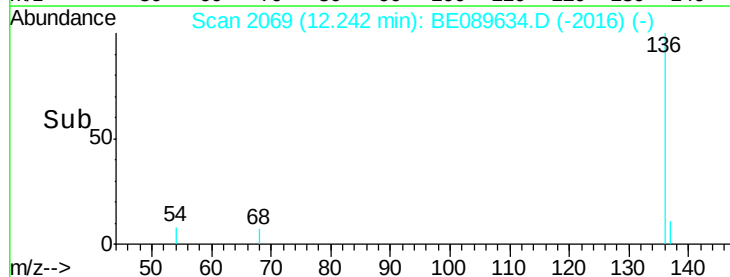
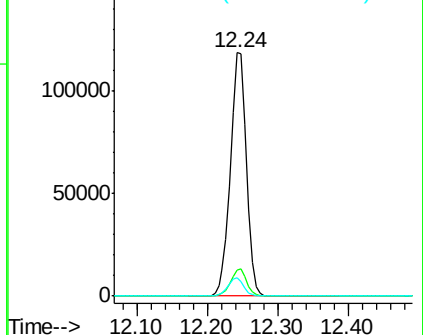
#4

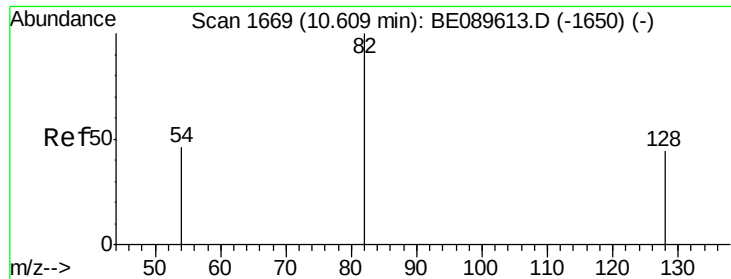
Naphthalene-d8
Concen: 5.00 ng
RT: 12.24 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BE089634.D
Acq: 19 Feb 2015 2:49

Tgt Ion: 136 Resp: 183742
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.7 5.3 7.9



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: 1.01 ng

RT: 10.61 min Scan# 1668

Delta R.T. -0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

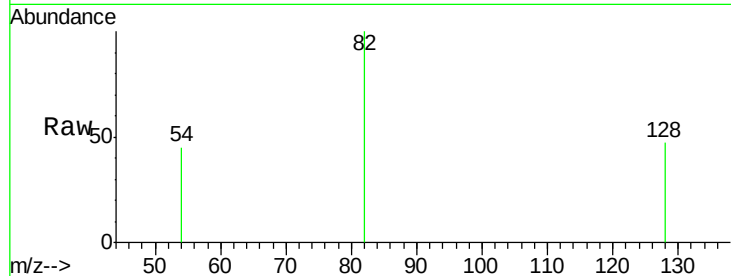
Tgt Ion: 82 Resp: 8079

Ion Ratio Lower Upper

82 100

128 46.7 35.5 53.3

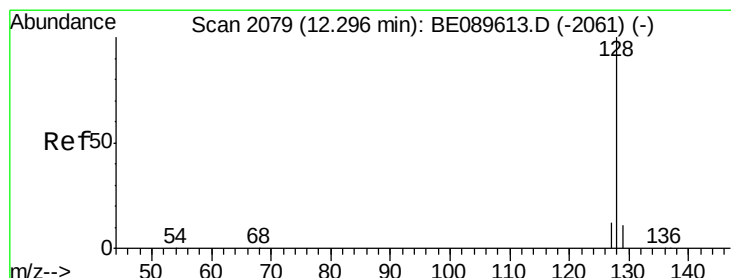
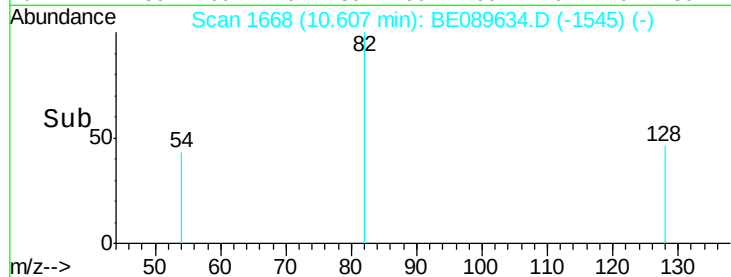
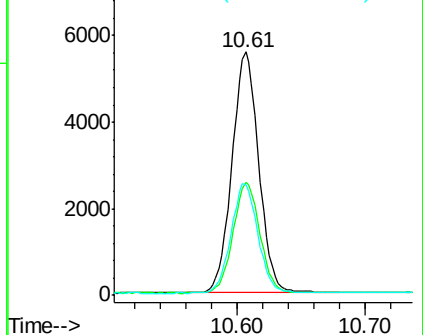
54 45.2 37.5 56.3



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: 12.29 min Scan# 2078

Delta R.T. -0.01 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

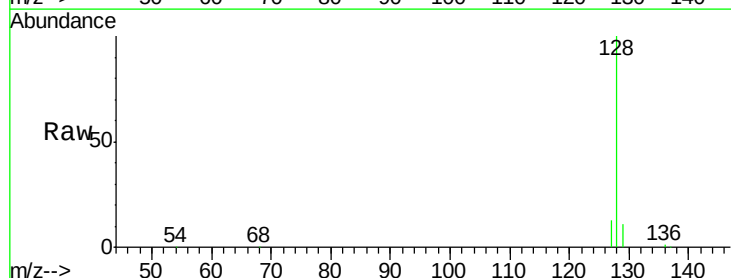
Tgt Ion: 128 Resp: 41311

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

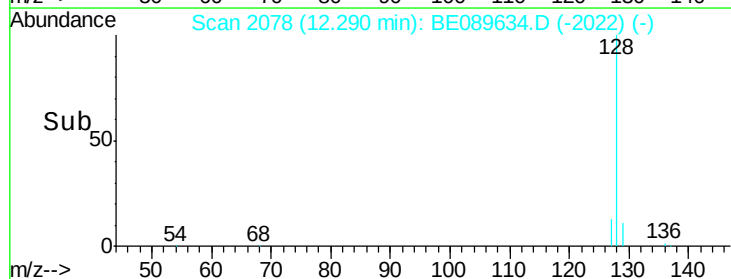
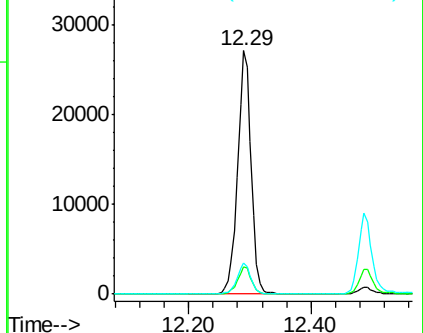
127 12.7 9.8 14.8

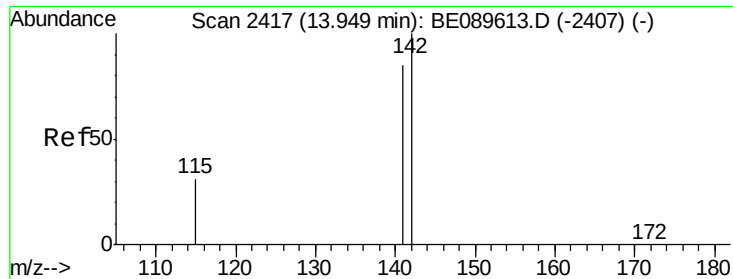


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 1.01 ng

RT: 13.95 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

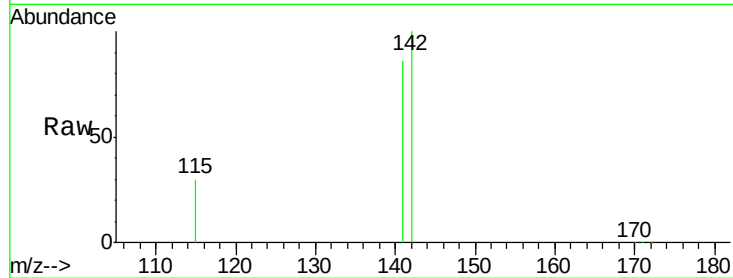
Tgt Ion:142 Resp: 25557

Ion Ratio Lower Upper

142 100

141 85.7 68.3 102.5

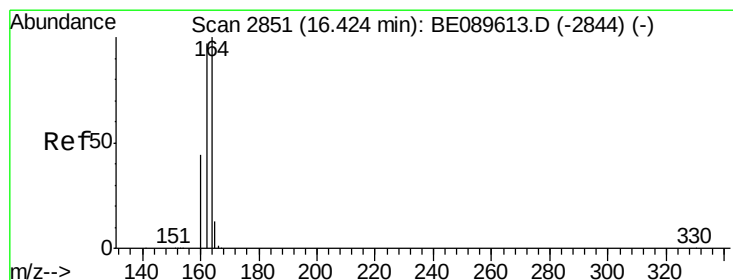
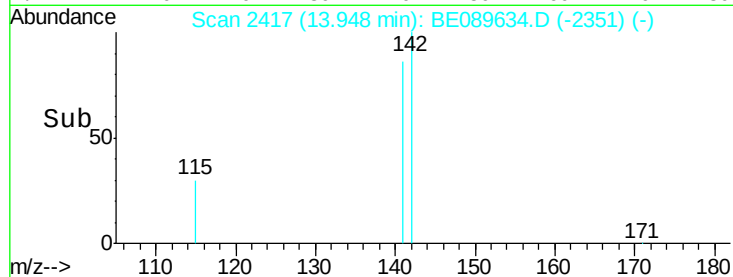
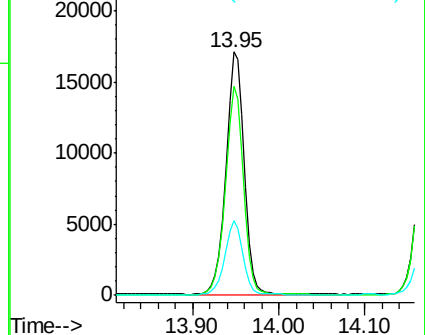
115 30.5 25.1 37.7



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: 16.42 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

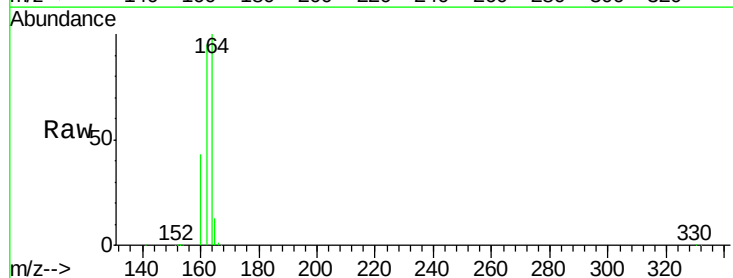
Tgt Ion:164 Resp: 92424

Ion Ratio Lower Upper

164 100

162 95.2 77.5 116.3

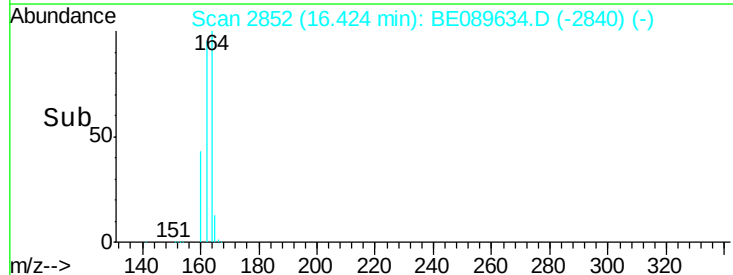
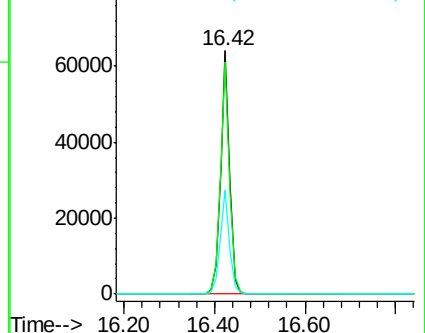
160 42.6 35.5 53.3

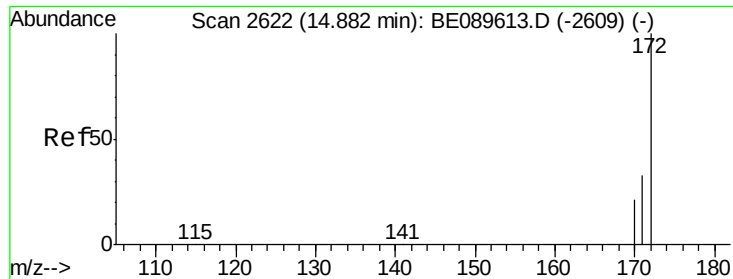


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 1.00 ng

RT: 14.88 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

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SSTDCCC001

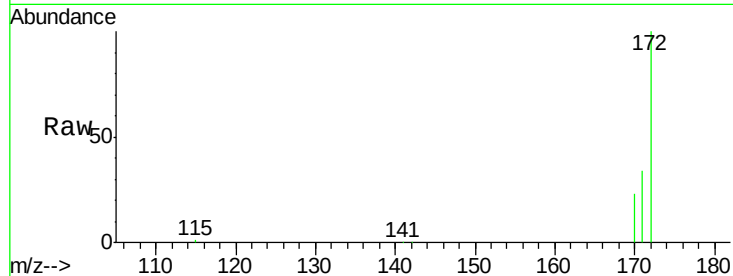
Tgt Ion:172 Resp: 24820

Ion Ratio Lower Upper

172 100

171 34.4 26.9 40.3

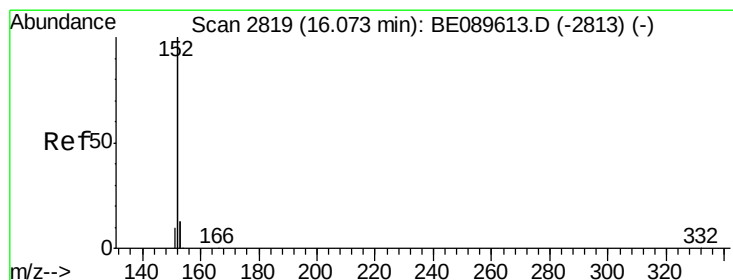
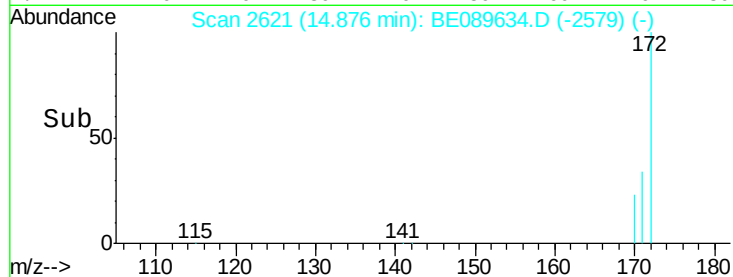
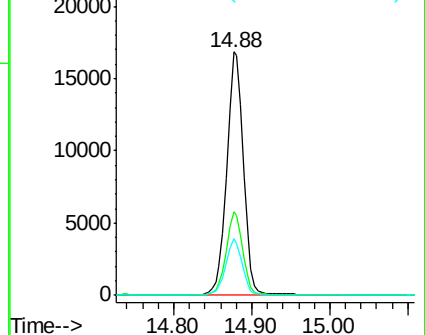
170 23.2 17.4 26.0



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: 1.01 ng

RT: 16.07 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

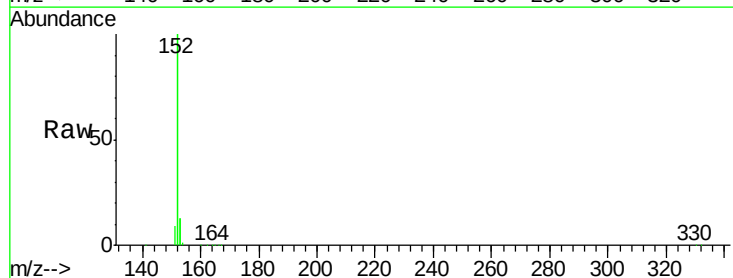
Tgt Ion:152 Resp: 150812

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

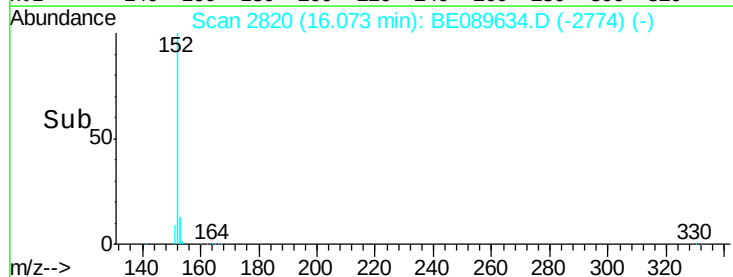
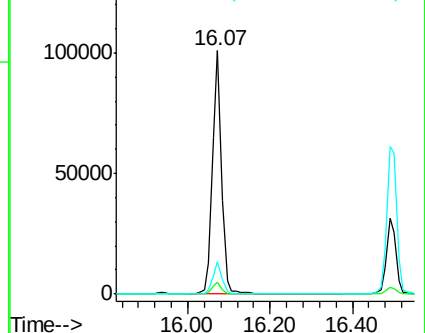
153 12.8 10.5 15.7

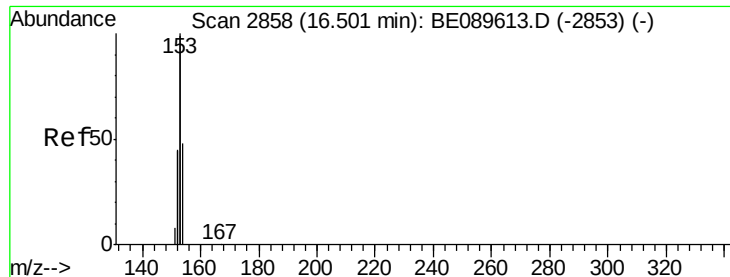


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 1.00 ng

RT: 16.50 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

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ClientSampleId :

SSTDCCC001

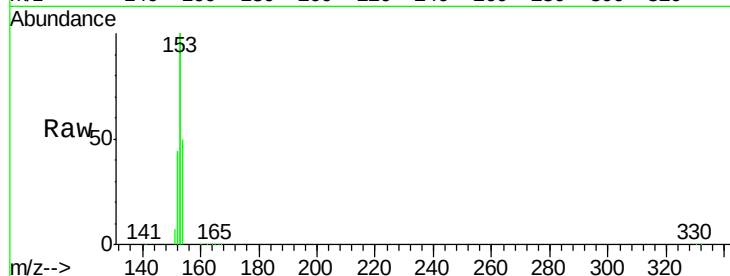
Tgt Ion:154 Resp: 24091

Ion Ratio Lower Upper

154 100

153 432.6 348.9 523.3

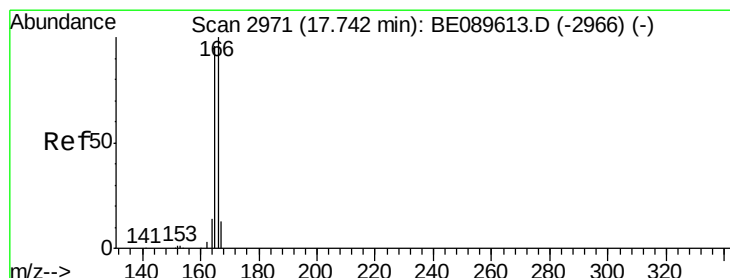
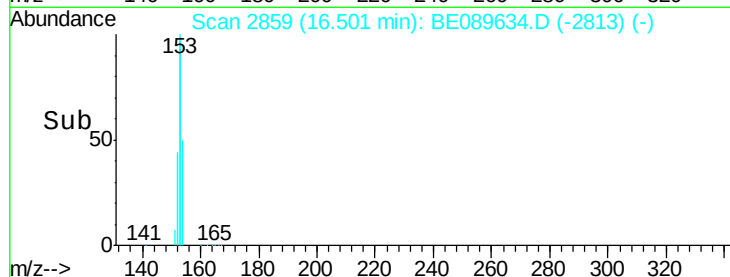
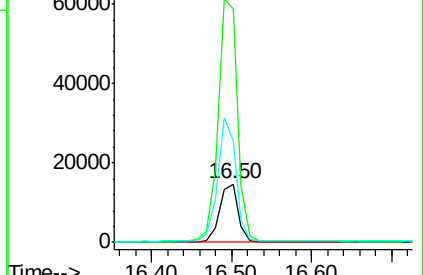
152 209.0 166.6 249.8



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: 1.00 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

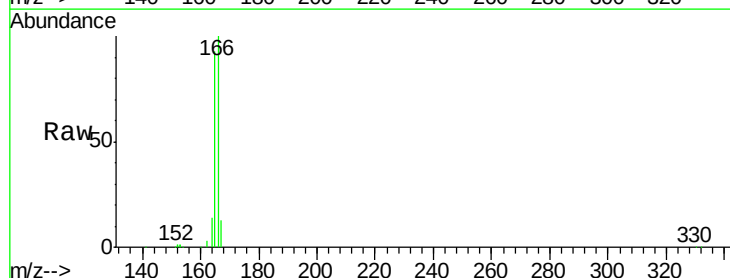
Tgt Ion:166 Resp: 27908

Ion Ratio Lower Upper

166 100

165 91.8 74.7 112.1

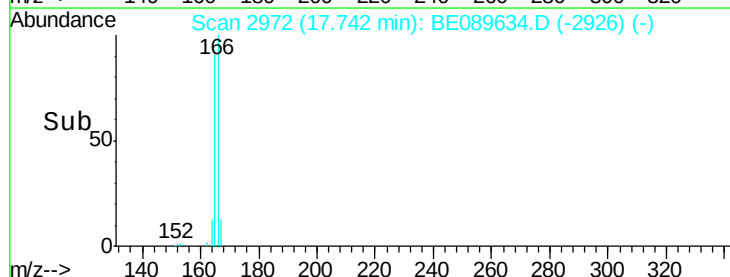
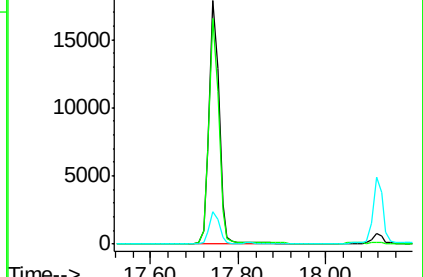
167 13.2 10.5 15.7

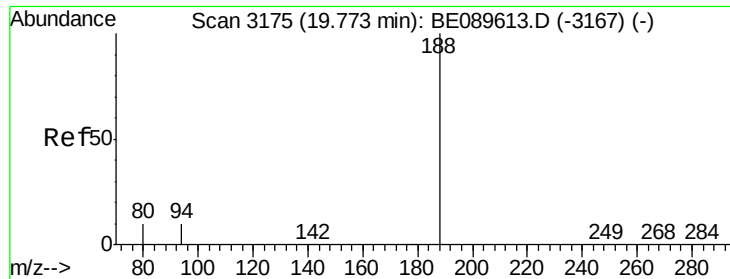


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

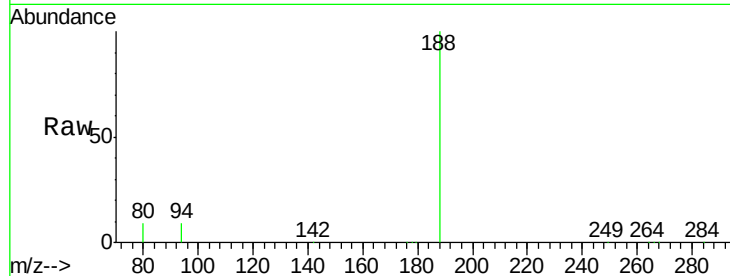




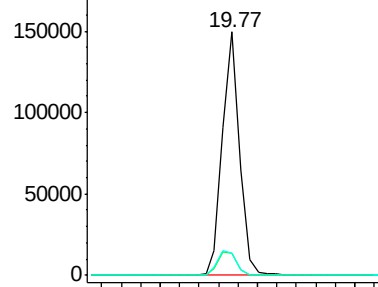
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.00 min
Lab File: BE089634.D
Acq: 19 Feb 2015 2:49

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

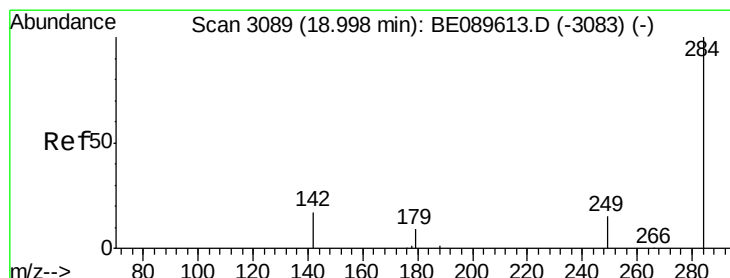
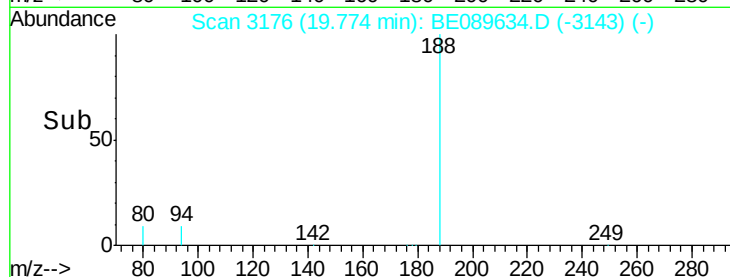
Tgt Ion:188 Resp: 181614
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.4
80 9.2 8.1 12.1



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

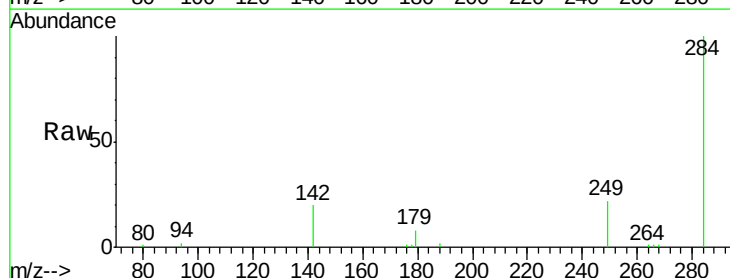


Time-->

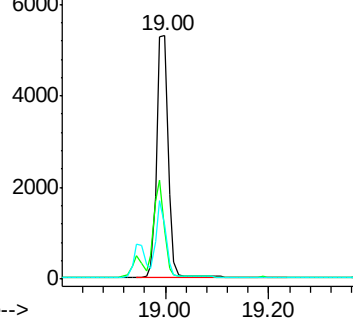


#14
Hexachlorobenzene
Concen: 1.03 ng
RT: 19.00 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BE089634.D
Acq: 19 Feb 2015 2:49

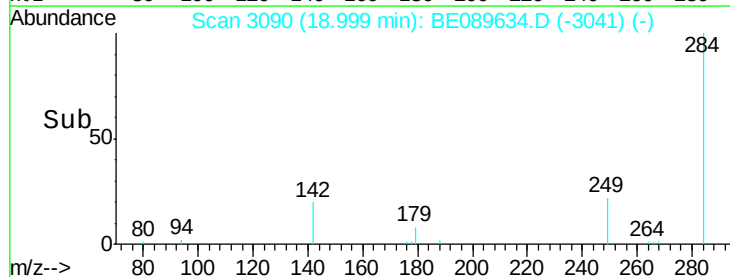
Tgt Ion:284 Resp: 8021
Ion Ratio Lower Upper
284 100
142 37.5 32.3 48.5
249 26.8 22.3 33.5

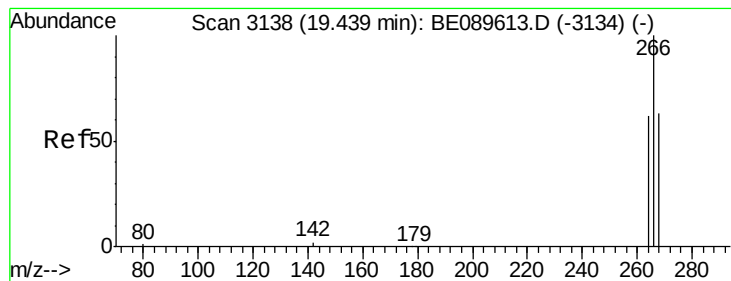


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->





#15

Pentachlorophenol

Concen: 0.88 ng

RT: 19.44 min Scan# 3139

Delta R.T. 0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

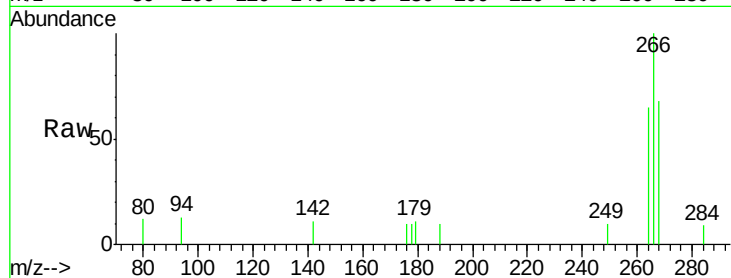
Tgt Ion:266 Resp: 958

Ion Ratio Lower Upper

266 100

268 68.1 52.6 79.0

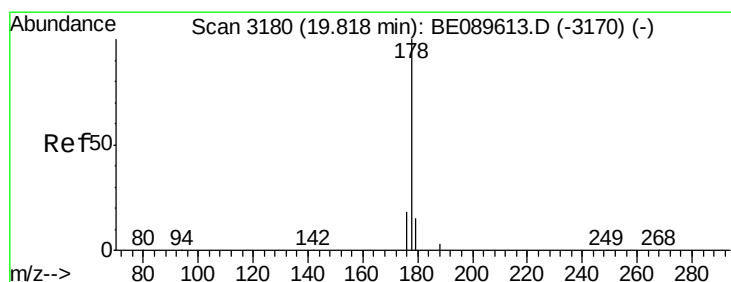
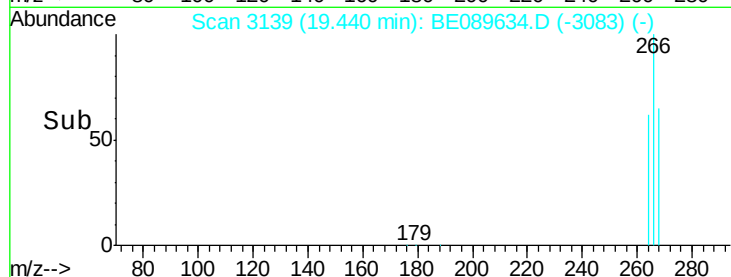
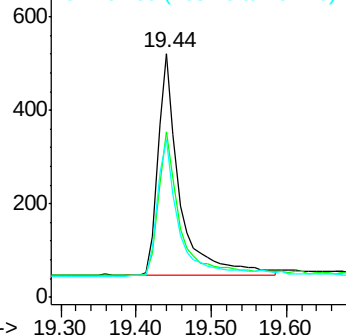
264 64.9 51.8 77.8



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: 0.99 ng

RT: 19.81 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

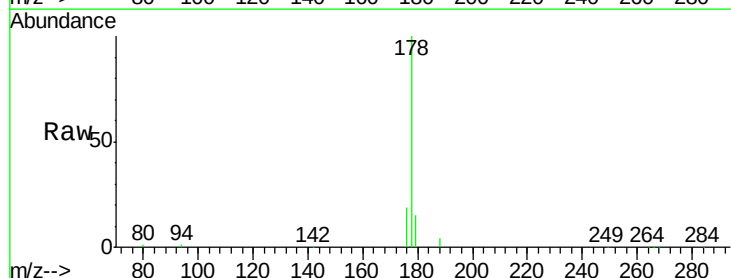
Tgt Ion:178 Resp: 44002

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

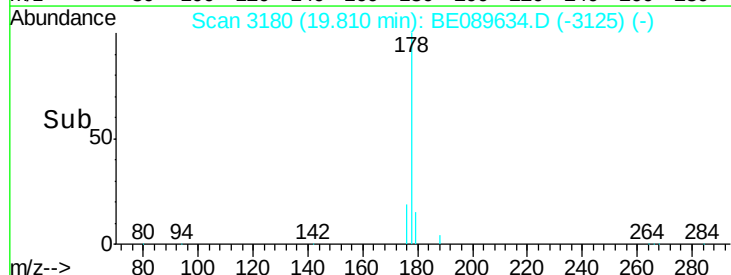
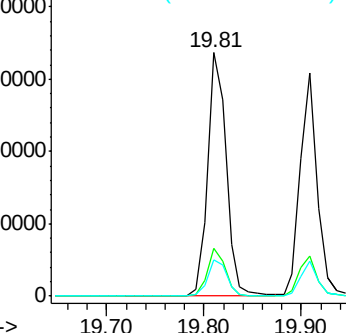
179 15.5 12.3 18.5

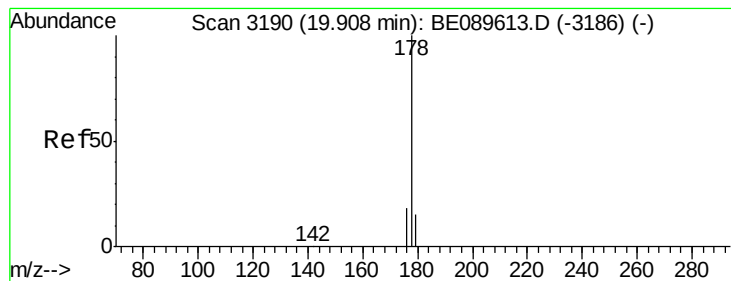


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Anthracene

Concen: 1.00 ng

RT: 19.91 min Scan# 3191

Delta R.T. 0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

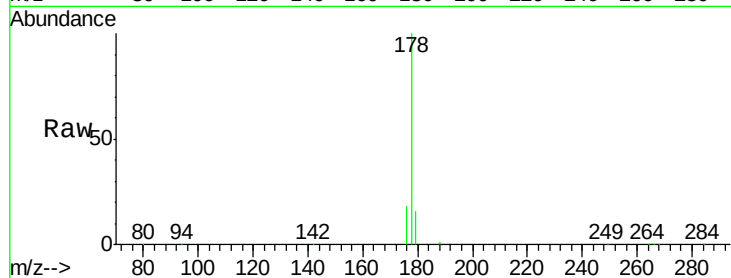
Tgt Ion:178 Resp: 38042

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

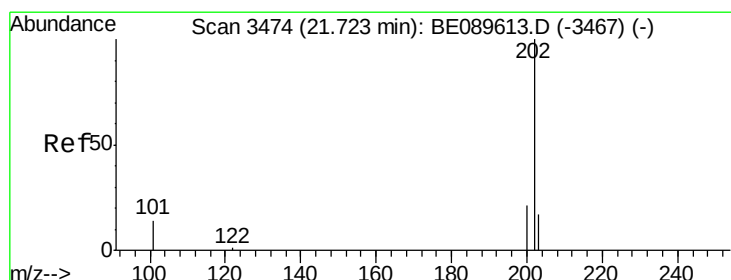
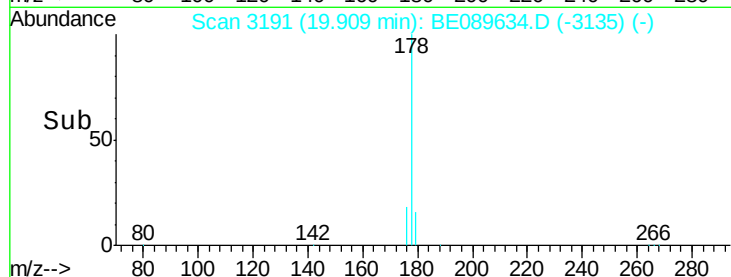
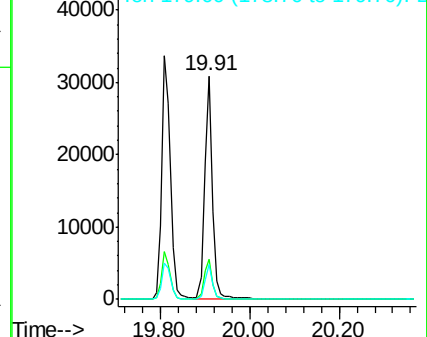
179 15.2 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#18

Fluoranthene

Concen: 0.98 ng

RT: 21.72 min Scan# 3475

Delta R.T. 0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

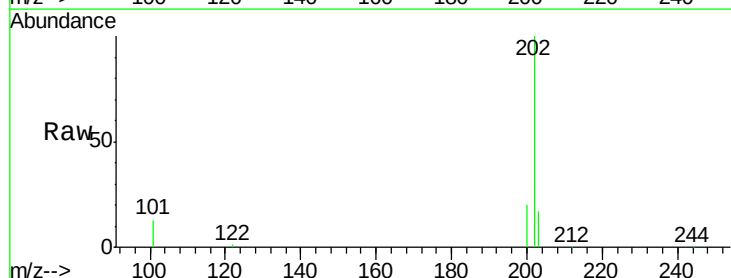
Tgt Ion:202 Resp: 41834

Ion Ratio Lower Upper

202 100

101 12.8 10.4 15.6

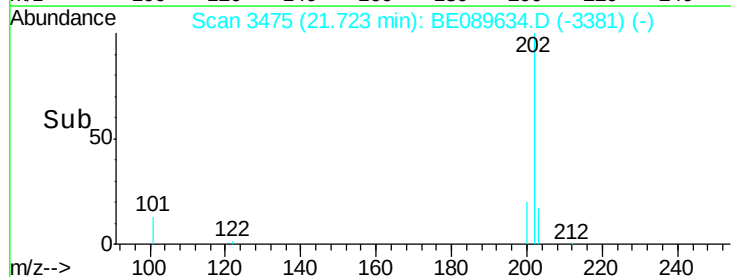
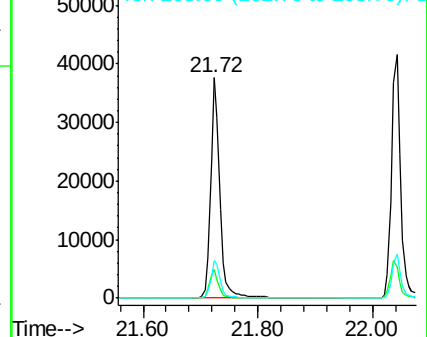
203 17.2 13.9 20.9

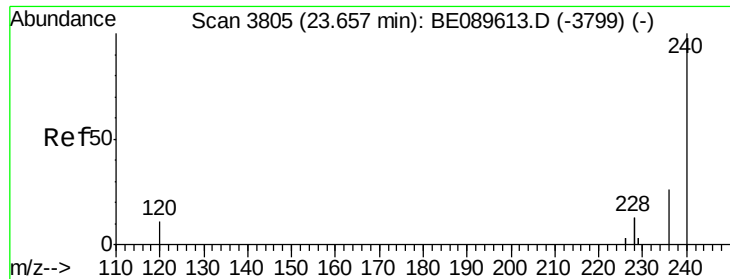


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.66 min Scan# 3806

Delta R.T. -0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

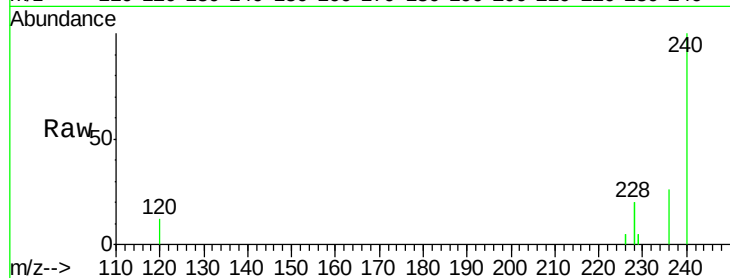
Tgt Ion:240 Resp: 179478

Ion Ratio Lower Upper

240 100

120 12.2 9.0 13.4

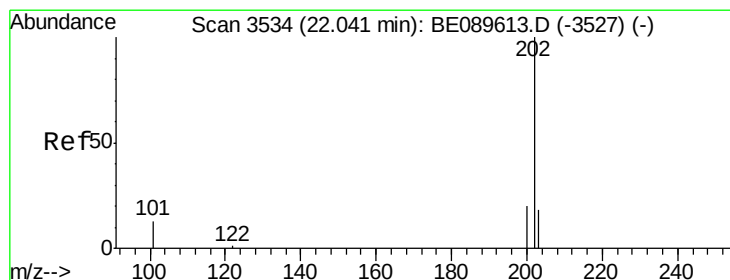
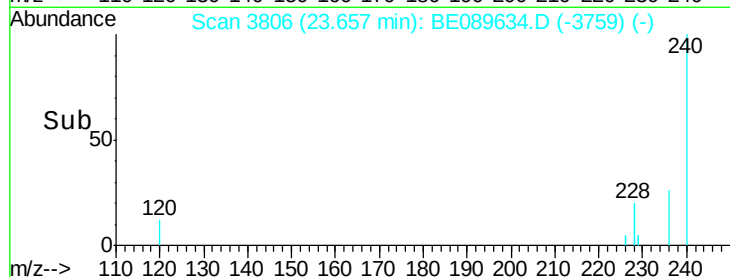
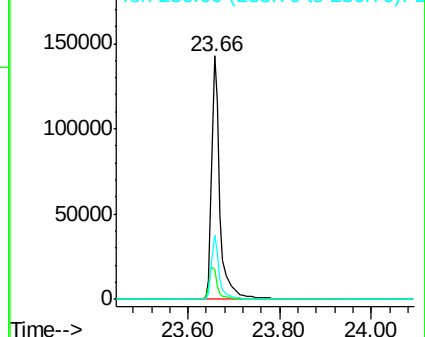
236 26.5 21.0 31.6



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: 1.04 ng

RT: 22.04 min Scan# 3535

Delta R.T. 0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

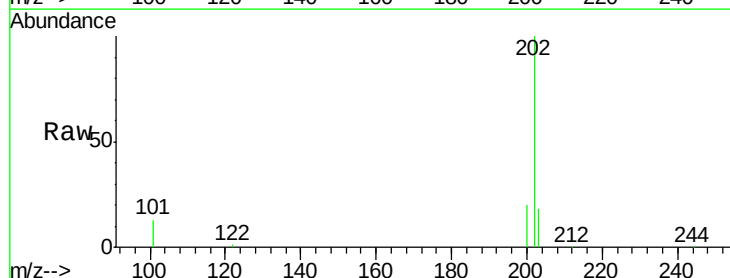
Tgt Ion:202 Resp: 45968

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

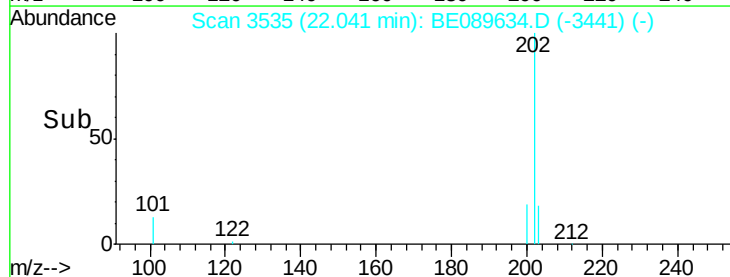
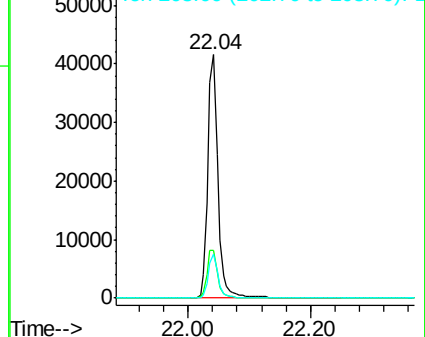
203 17.5 13.8 20.8

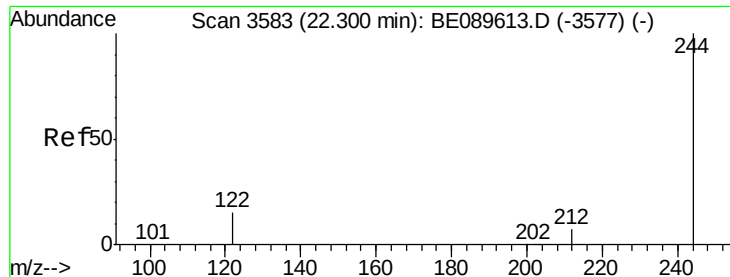


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 1.01 ng

RT: 22.31 min Scan# 3585

Delta R.T. 0.01 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

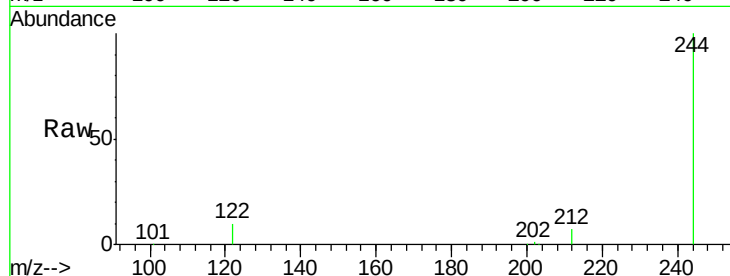
Tgt Ion:244 Resp: 25975

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

122 10.2 11.8 17.8#



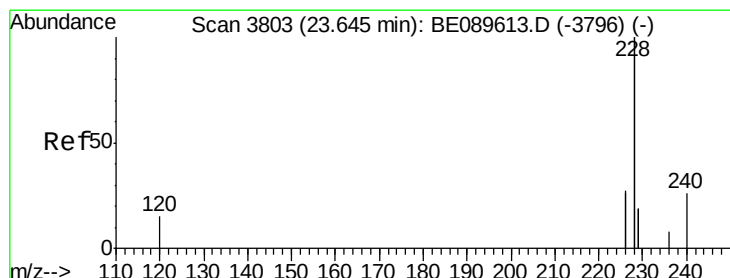
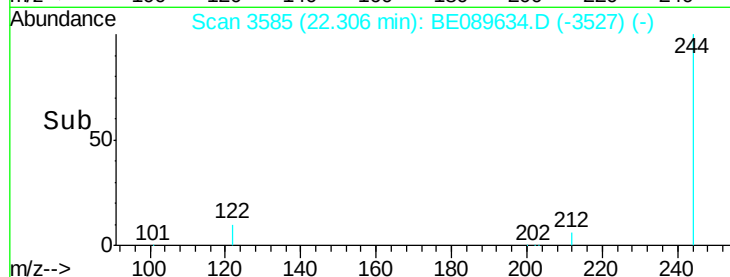
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

22.31

Time-->



#22

Benzo(a)anthracene

Concen: 0.90 ng

RT: 23.65 min Scan# 3805

Delta R.T. 0.01 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

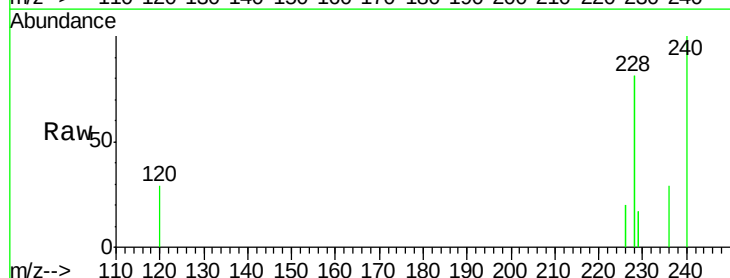
Tgt Ion:228 Resp: 142302

Ion Ratio Lower Upper

228 100

226 24.2 21.2 31.8

229 20.6 15.2 22.8



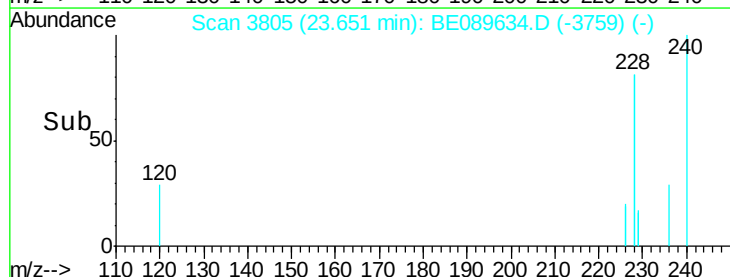
Abundance Ion 228.00 (227.70 to 228.70): E

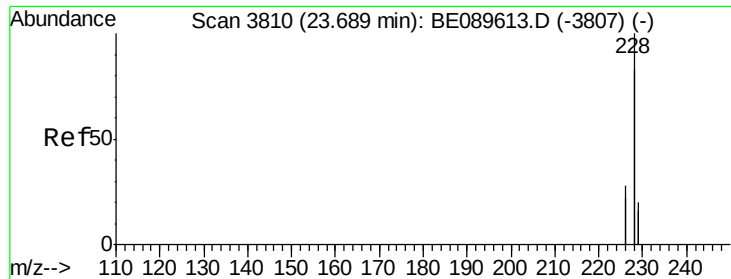
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

23.65

Time-->





#23

Chrysene

Concen: 1.04 ng

RT: 23.69 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

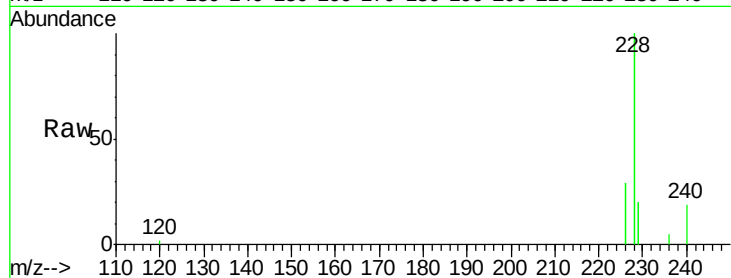
Tgt Ion:228 Resp: 184176

Ion Ratio Lower Upper

228 100

226 28.5 22.2 33.4

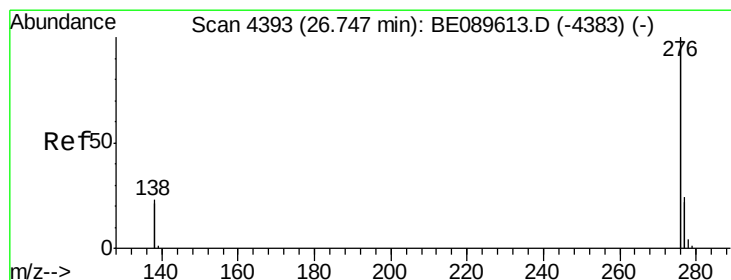
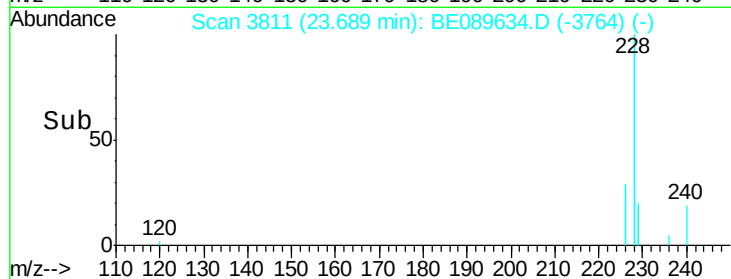
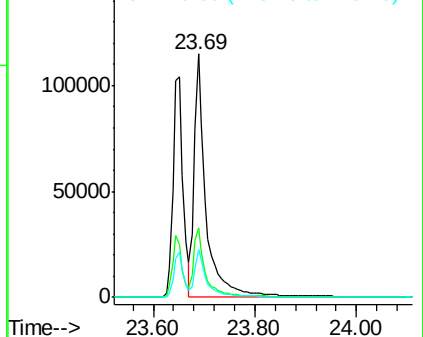
229 19.6 16.0 24.0



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: 0.70 ng

RT: 26.74 min Scan# 4393

Delta R.T. -0.01 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

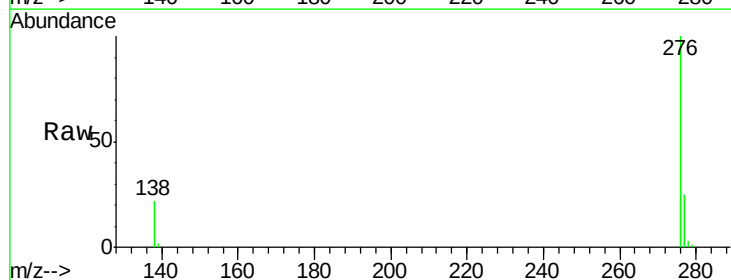
Tgt Ion:276 Resp: 86595

Ion Ratio Lower Upper

276 100

138 0.0 21.4 32.2#

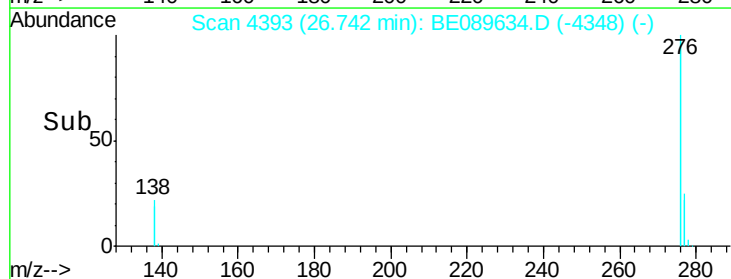
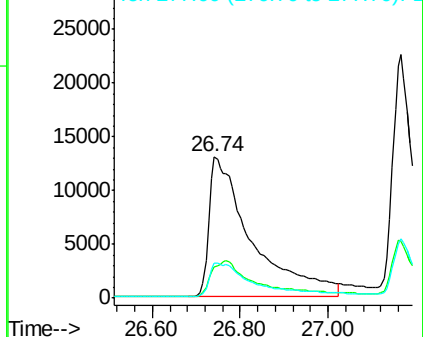
277 24.9 19.9 29.9

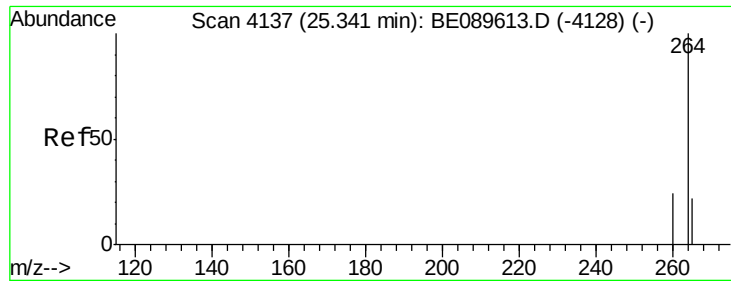


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

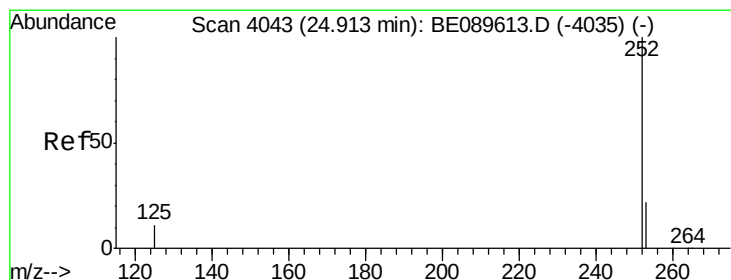
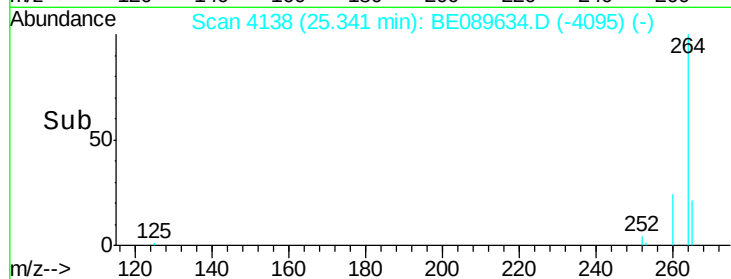
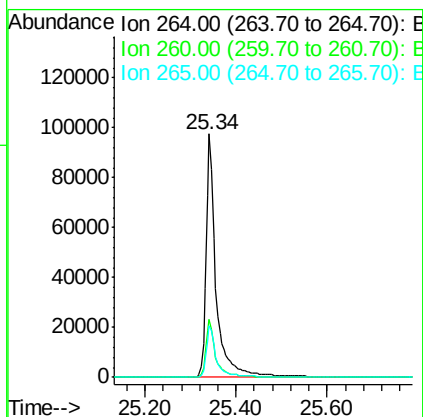
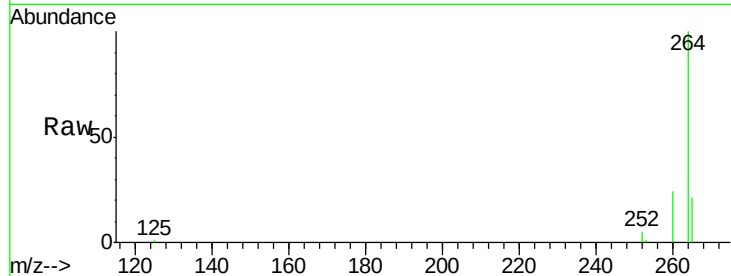




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4138
 Delta R.T. 0.00 min
 Lab File: BE089634.D
 Acq: 19 Feb 2015 2:49

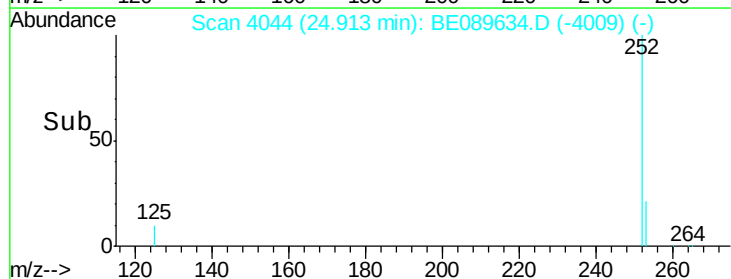
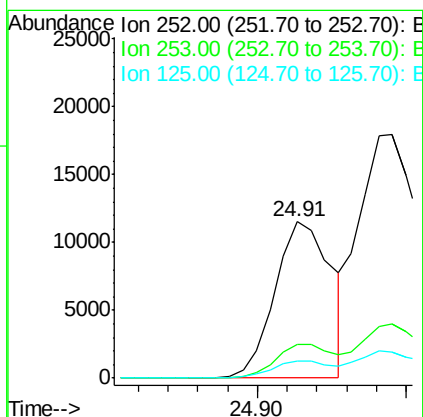
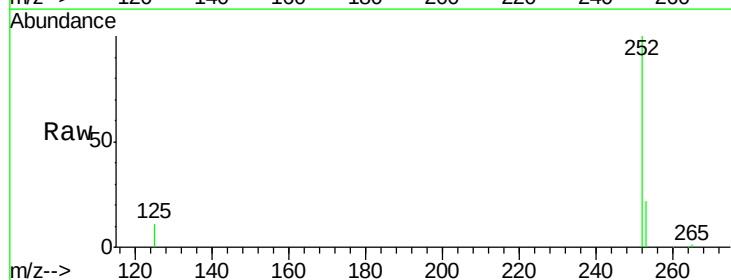
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

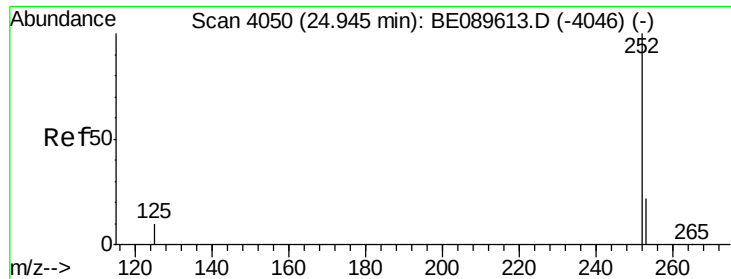
Tgt Ion: 264 Resp: 148876
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.6
 265 21.5 17.4 26.0



#26
 Benzo(b)fluoranthene
 Concen: 0.68 ng
 RT: 24.91 min Scan# 4044
 Delta R.T. 0.00 min
 Lab File: BE089634.D
 Acq: 19 Feb 2015 2:49

Tgt Ion: 252 Resp: 15080
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.6 26.4
 125 10.9 8.8 13.2

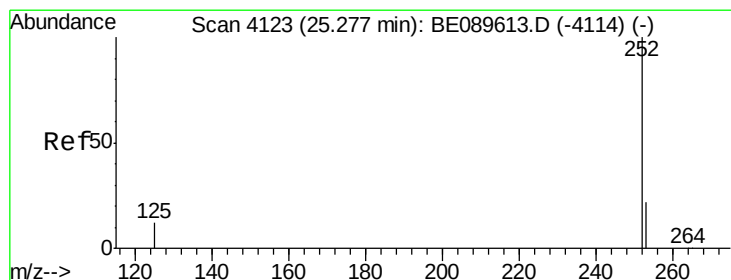
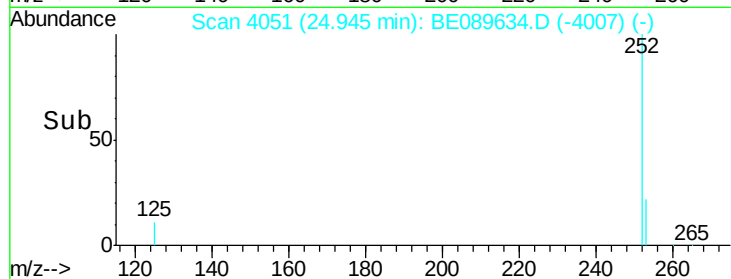
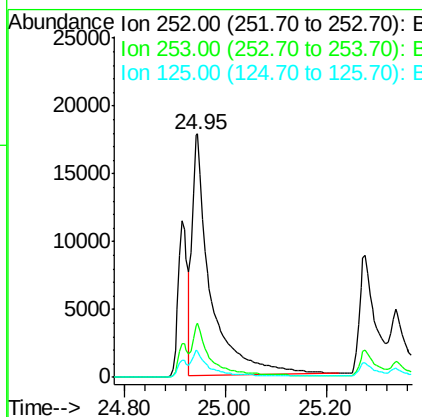
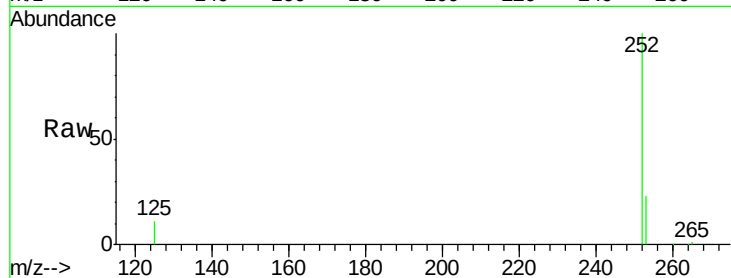




#27
Benzo(k)fluoranthene
Concen: 1.07 ng
RT: 24.95 min Scan# 4051
Delta R.T. 0.00 min
Lab File: BE089634.D
Acq: 19 Feb 2015 2:49

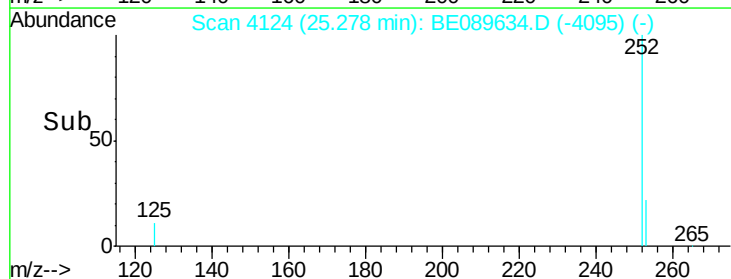
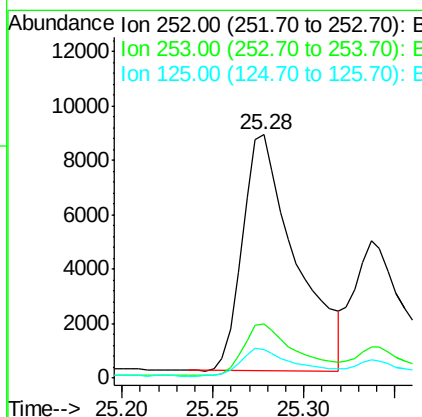
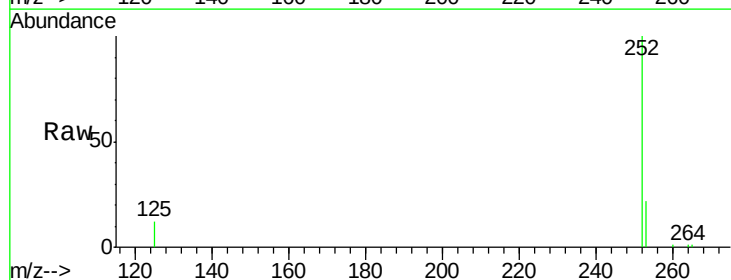
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

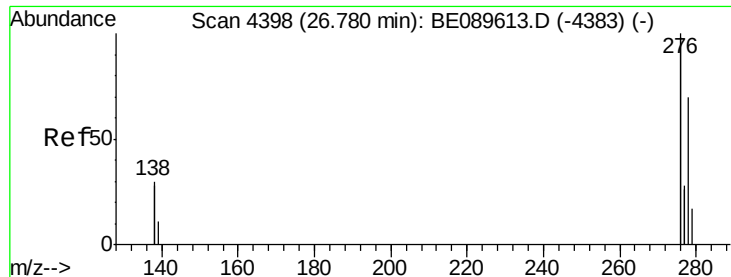
Tgt Ion: 252 Resp: 45357
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 10.8 8.8 13.2



#28
Benzo(a)pyrene
Concen: 0.75 ng
RT: 25.28 min Scan# 4124
Delta R.T. 0.00 min
Lab File: BE089634.D
Acq: 19 Feb 2015 2:49

Tgt Ion: 252 Resp: 17591
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 11.9 9.6 14.4





#29

Dibenzo(a,h)anthracene

Concen: 0.71 ng

RT: 26.77 min Scan# 4398

Delta R.T. -0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

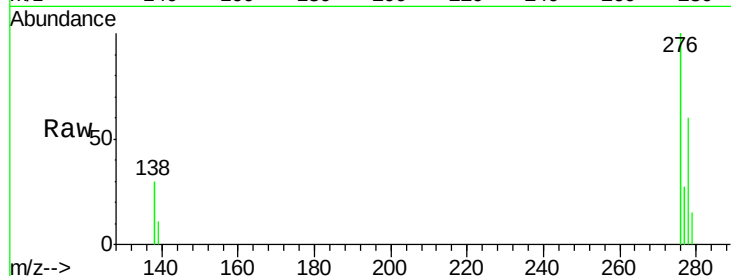
Tgt Ion:278 Resp: 15951

Ion Ratio Lower Upper

278 100

139 18.4 13.7 20.5

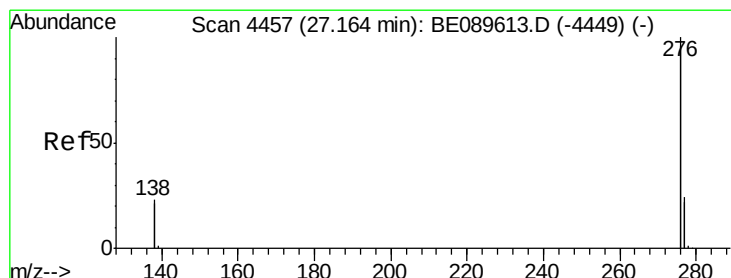
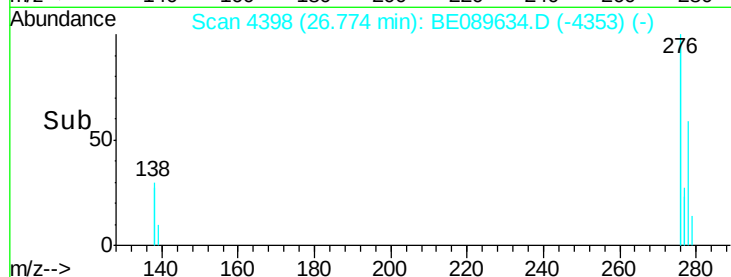
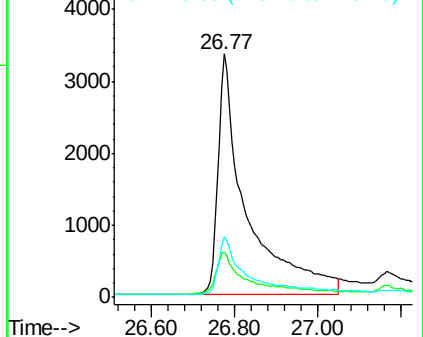
279 24.6 19.7 29.5



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: 0.82 ng

RT: 27.17 min Scan# 4458

Delta R.T. 0.00 min

Lab File: BE089634.D

Acq: 19 Feb 2015 2:49

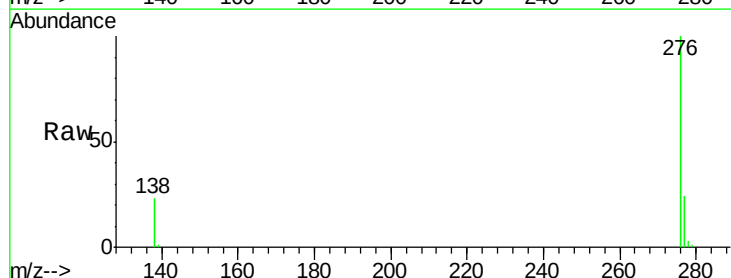
Tgt Ion:276 Resp: 93398

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 23.3 18.7 28.1



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

