

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032615\
 Data File : BE089864.D
 Acq On : 26 Mar 2015 19:29
 Operator : TP/JJ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Quant Time: Mar 27 02:15:43 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 01:45:40 2015
 Response via : Initial Calibration

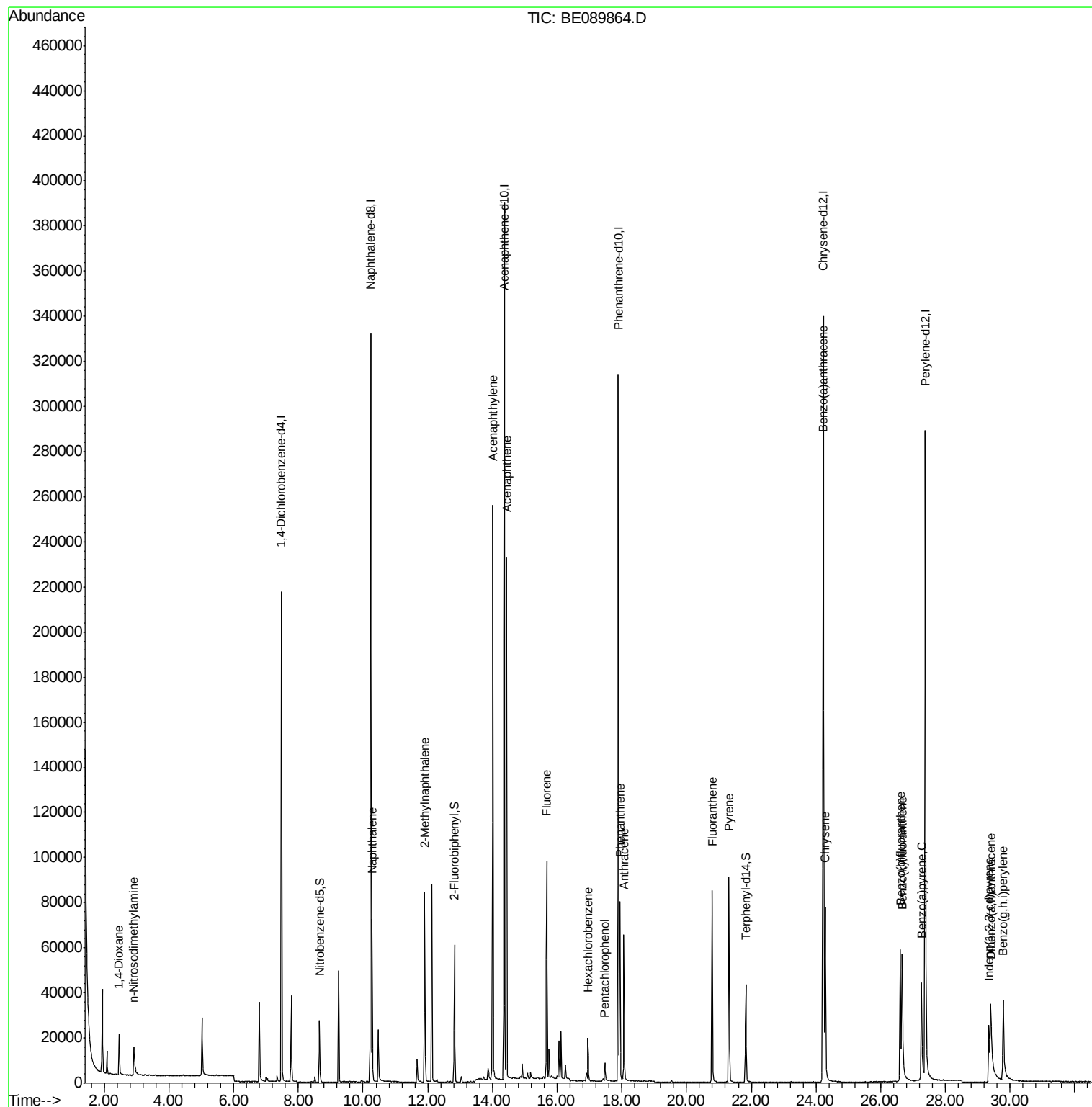
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	86028	5.00	ng	0.00
4) Naphthalene-d8	10.23	136	368103	5.00	ng	0.00
8) Acenaphthene-d10	14.36	164	209980	5.00	ng	0.00
13) Phenanthrene-d10	17.89	188	400778	5.00	ng	0.00
19) Chrysene-d12	24.23	240	414734	5.00	ng	0.00
25) Perylene-d12	27.38	264	384310	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.66	82	20864	0.98	ng	0.00
9) 2-Fluorobiphenyl	12.83	172	52449	1.05	ng	0.00
21) Terphenyl-d14	21.83	244	60890	0.99	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.46	88	10807	0.91	ng	90
3) n-Nitrosodimethylamine	2.91	42	12790	0.80	ng	# 72
6) Naphthalene	10.28	128	78586	1.06	ng	95
7) 2-Methylnaphthalene	11.91	142	51562	1.24	ng	99
10) Acenaphthylene	14.01	152	318959	1.05	ng	99
11) Acenaphthene	14.44	154	47559	1.02	ng	88
12) Fluorene	15.68	166	62926	1.10	ng	92
14) Hexachlorobenzene	16.95	284	13080	0.98	ng	96
15) Pentachlorophenol	17.48	266	6639	1.36	ng	99
16) Phenanthrene	17.94	178	90989	1.02	ng	100
17) Anthracene	18.06	178	83459	1.05	ng	99
18) Fluoranthene	20.79	202	92504	1.13	ng	98
20) Pyrene	21.31	202	98097	0.93	ng	99
22) Benzo(a)anthracene	24.21	228	83914	1.06	ng	98
23) Chrysene	24.29	228	88452	1.04	ng	99
24) Indeno(1,2,3-cd)pyrene	29.35	276	74948m	1.46	ng	
26) Benzo(b)fluoranthene	26.61	252	88540m	1.43	ng	
27) Benzo(k)fluoranthene	26.67	252	113051	1.36	ng	# 95
28) Benzo(a)pyrene	27.26	252	83567m	1.44	ng	
29) Dibenzo(a,h)anthracene	29.41	278	58513	1.40	ng	# 78
30) Benzo(g,h,i)perylene	29.79	276	70530	1.18	ng	# 89

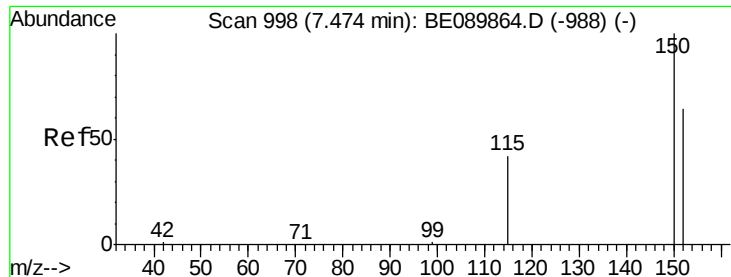
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.47 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

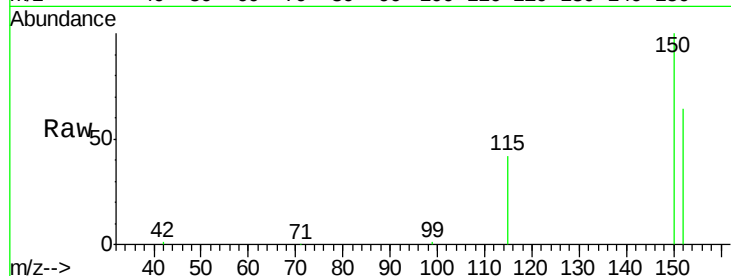
Tgt Ion:152 Resp: 86028

Ion Ratio Lower Upper

152 100

150 156.4 125.5 188.3

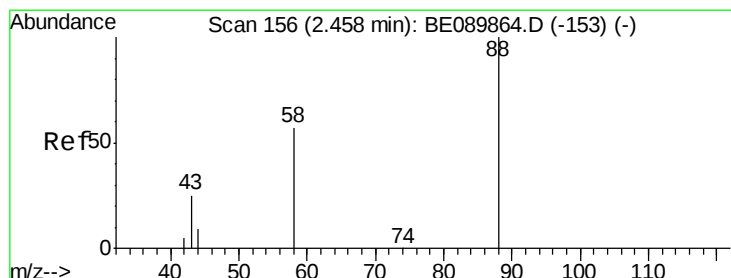
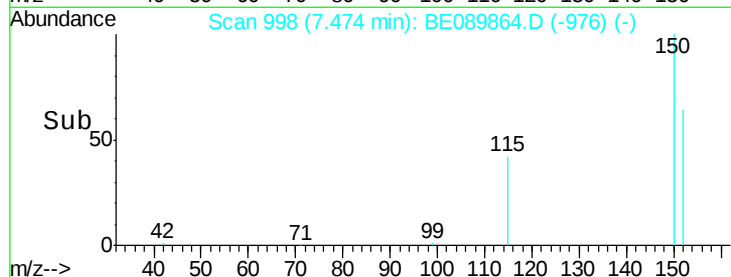
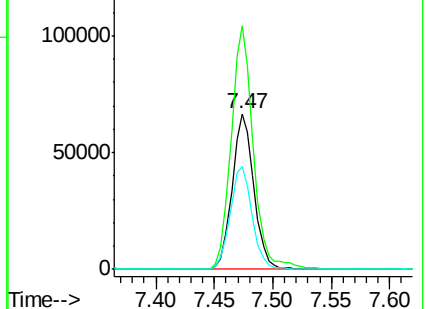
115 66.5 58.0 87.0



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: 0.91 ng

RT: 2.46 min Scan# 156

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

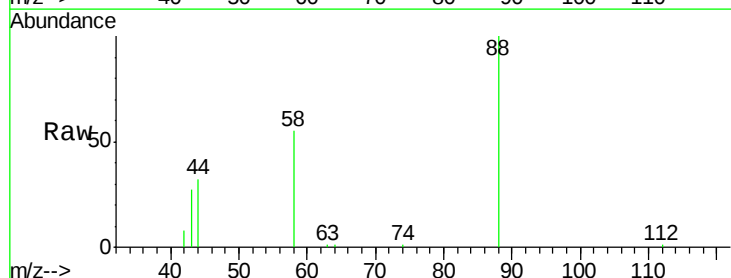
Tgt Ion: 88 Resp: 10807

Ion Ratio Lower Upper

88 100

58 70.2 48.6 72.8

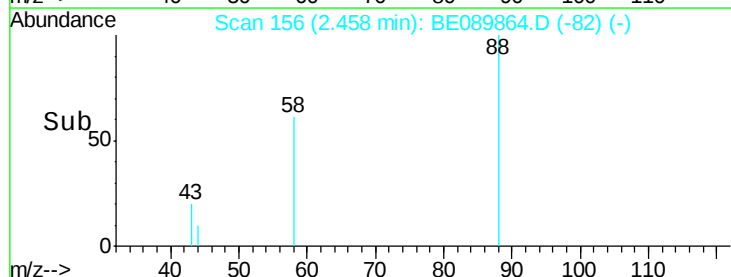
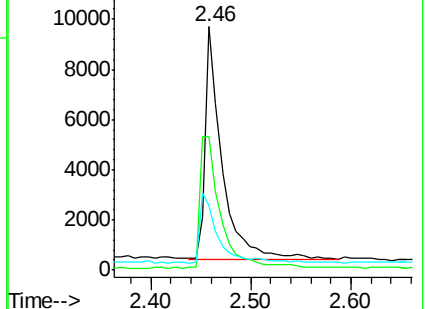
43 32.0 28.6 43.0

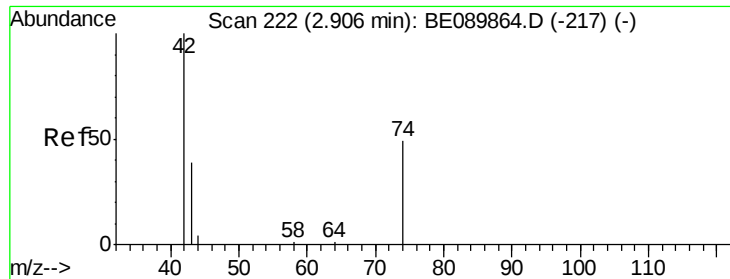


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



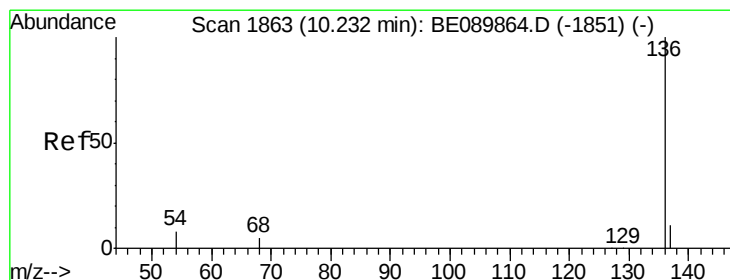
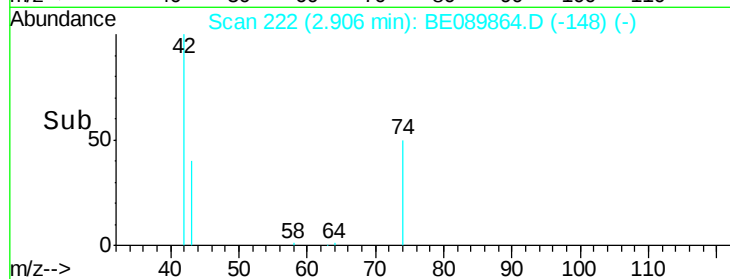
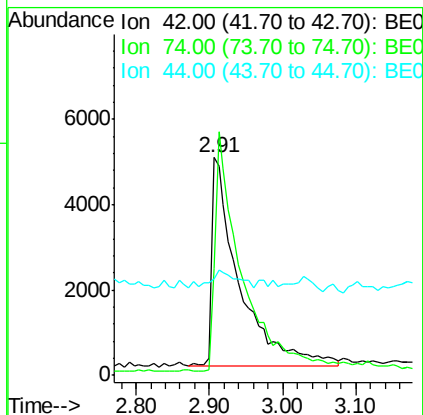
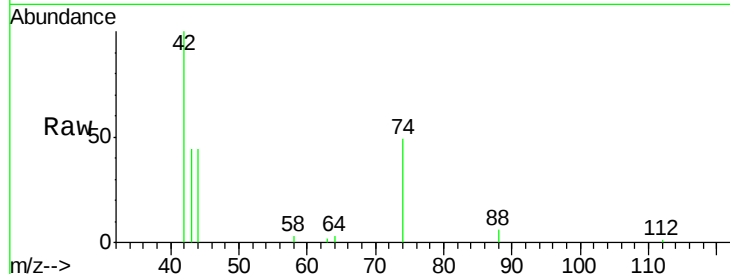


#3

n-Nitrosodimethylamine
 Concen: 0.80 ng
 RT: 2.91 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: BE089864.D
 Acq: 26 Mar 2015 19:29

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

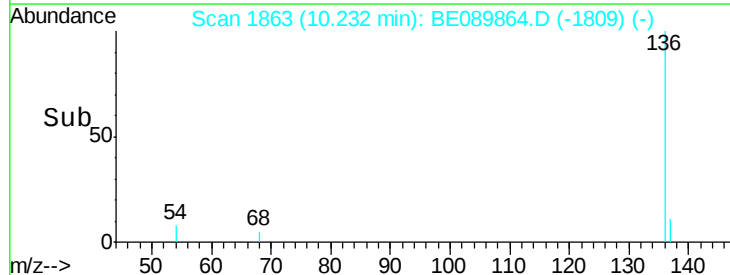
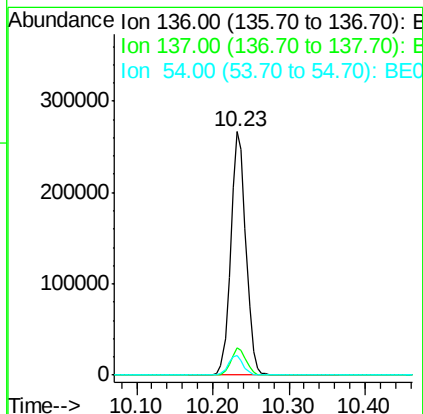
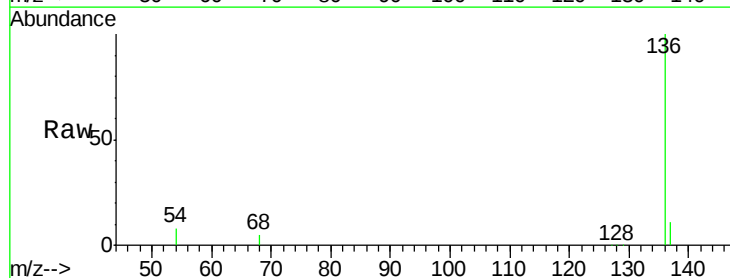
Tgt Ion: 42 Resp: 12790
 Ion Ratio Lower Upper
 42 100
 74 113.1 68.7 103.1#
 44 10.3 6.2 9.4#

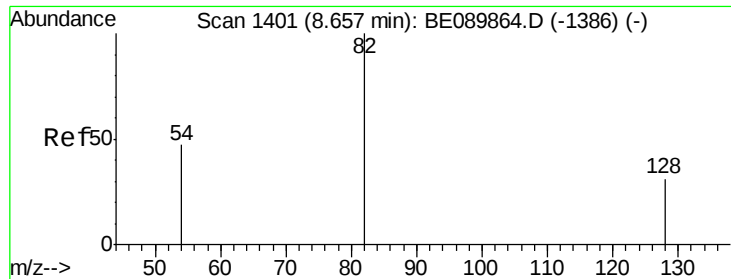


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.23 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BE089864.D
 Acq: 26 Mar 2015 19:29

Tgt Ion: 136 Resp: 368103
 Ion Ratio Lower Upper
 136 100
 137 11.4 8.8 13.2
 54 7.8 7.0 10.4





#5

Nitrobenzene-d5

Concen: 0.98 ng

RT: 8.66 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

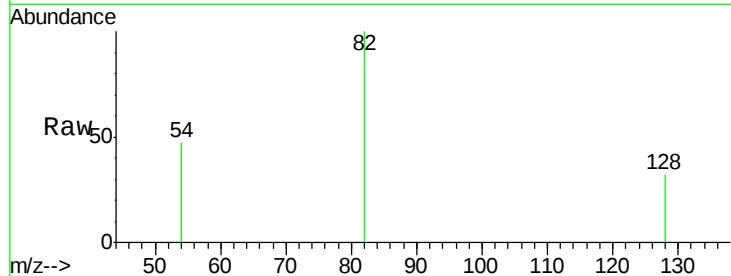
Tgt Ion: 82 Resp: 20864

Ion Ratio Lower Upper

82 100

128 31.5 24.6 37.0

54 47.4 43.0 64.6

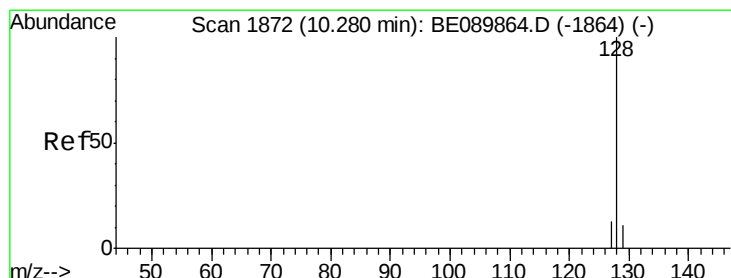
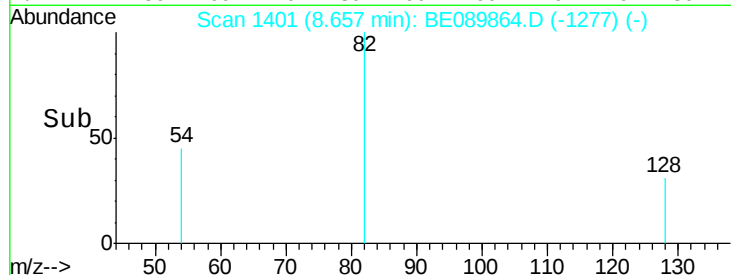


Abundance Ion 82.00 (81.70 to 82.70): BE089864.D (-1386) (-)

Ion 128.00 (127.70 to 128.70): BE089864.D (-1386) (-)

Ion 54.00 (53.70 to 54.70): BE089864.D (-1386) (-)

Time-->



#6

Naphthalene

Concen: 1.06 ng

RT: 10.28 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

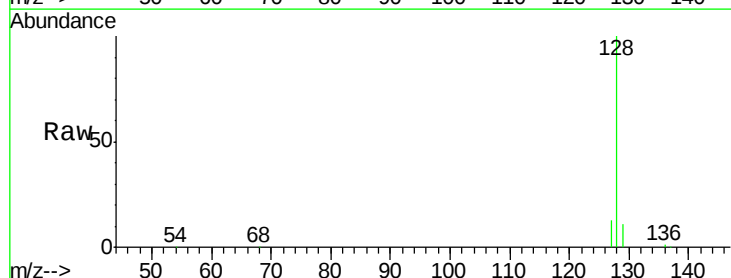
Tgt Ion: 128 Resp: 78586

Ion Ratio Lower Upper

128 100

129 10.7 10.0 15.0

127 13.4 12.5 18.7

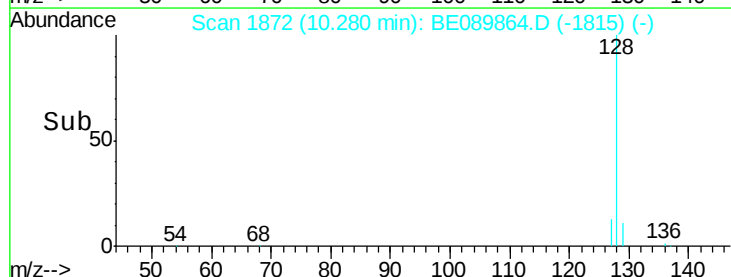


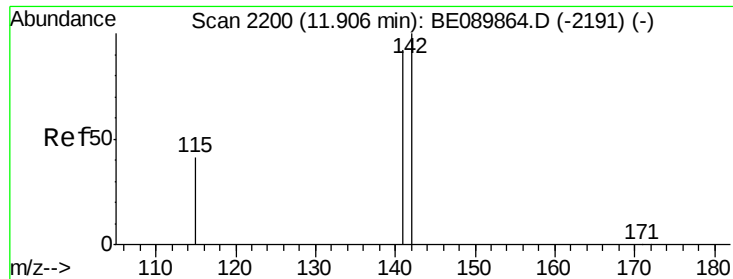
Abundance Ion 128.00 (127.70 to 128.70): BE089864.D (-1864) (-)

Ion 129.00 (128.70 to 129.70): BE089864.D (-1864) (-)

Ion 127.00 (126.70 to 127.70): BE089864.D (-1864) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 1.24 ng

RT: 11.91 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

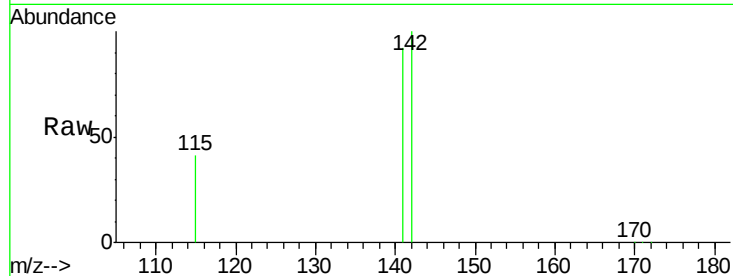
Tgt Ion:142 Resp: 51562

Ion Ratio Lower Upper

142 100

141 92.1 72.8 109.2

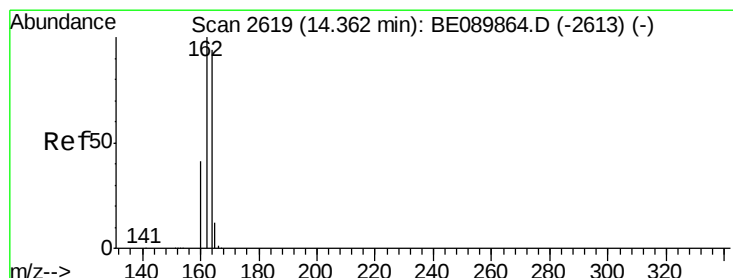
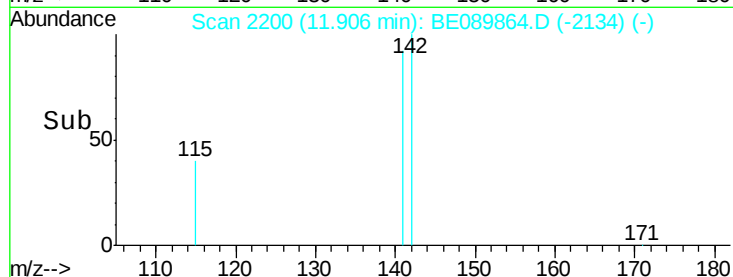
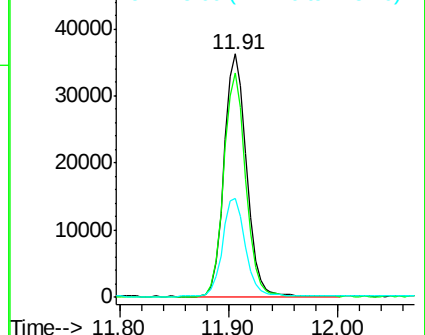
115 40.9 32.9 49.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.36 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

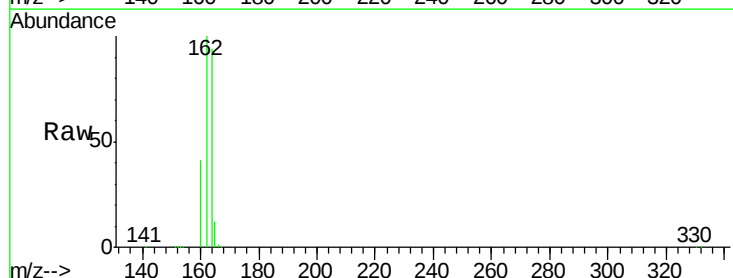
Tgt Ion:164 Resp: 209980

Ion Ratio Lower Upper

164 100

162 106.6 87.6 131.4

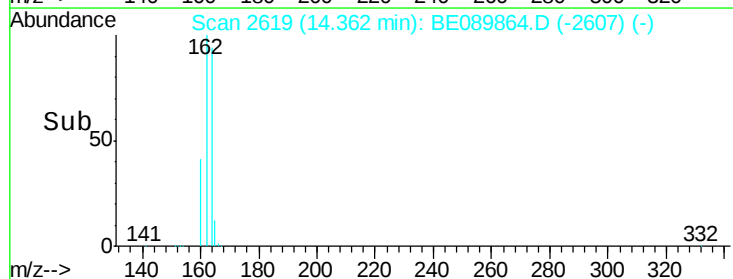
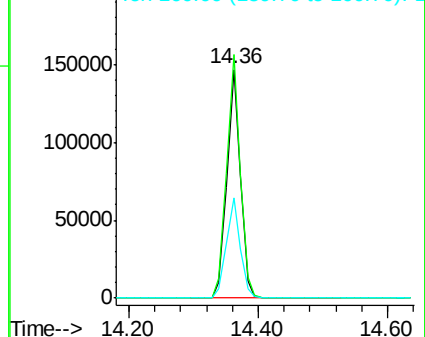
160 44.1 36.7 55.1

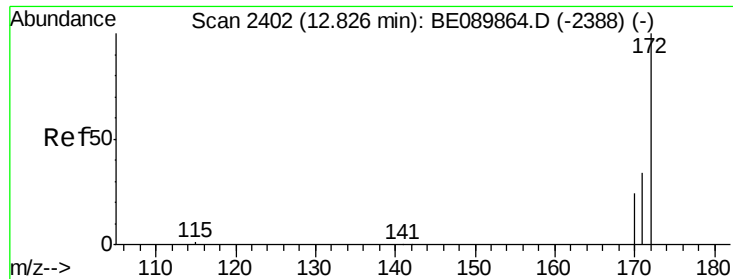


Abundance Ion 164.00 (163.70 to 164.70): E

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: 12.83 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

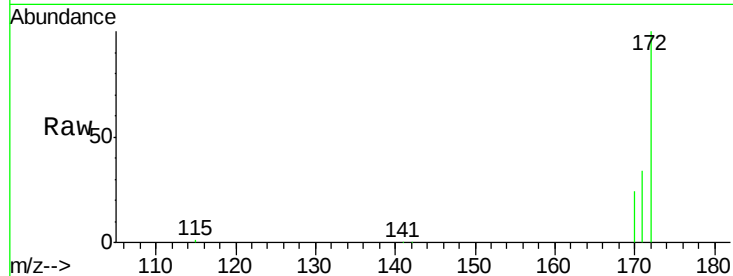
Tgt Ion:172 Resp: 52449

Ion Ratio Lower Upper

172 100

171 34.3 30.8 46.2

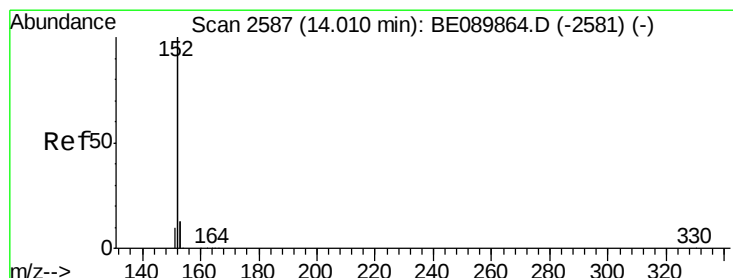
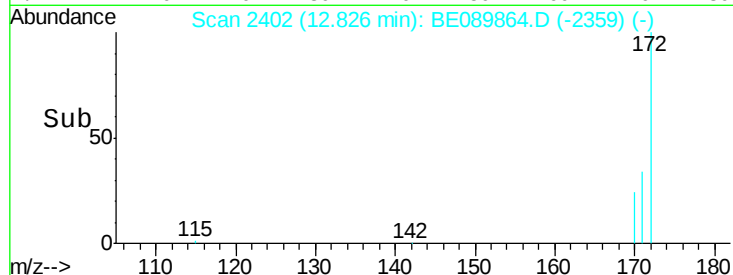
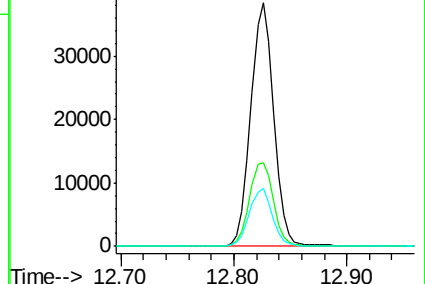
170 23.7 21.0 31.4



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: 14.01 min Scan# 2587

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

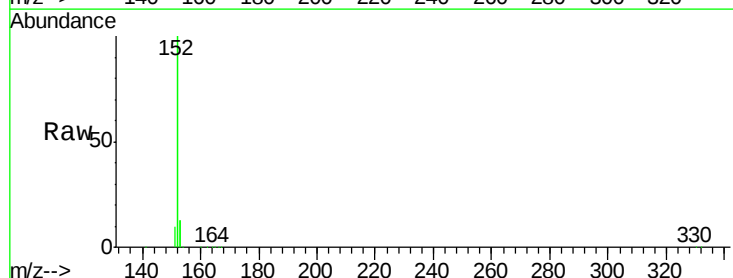
Tgt Ion:152 Resp: 318959

Ion Ratio Lower Upper

152 100

151 5.1 3.9 5.9

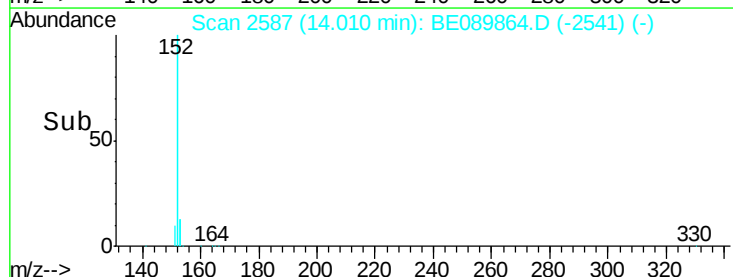
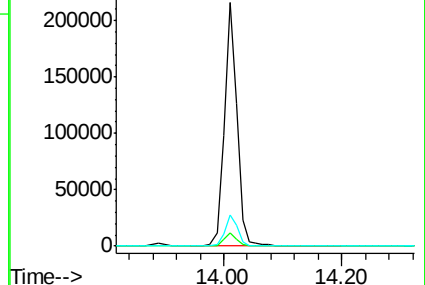
153 13.0 11.0 16.4

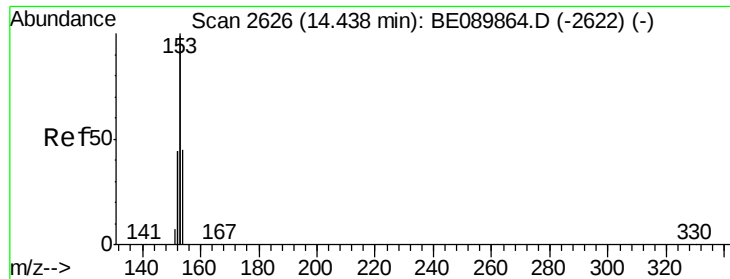


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 1.02 ng

RT: 14.44 min Scan# 2626

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

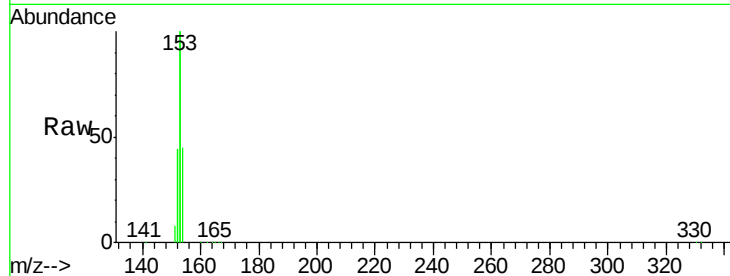
Tgt Ion:154 Resp: 47559

Ion Ratio Lower Upper

154 100

153 470.5 401.5 602.3

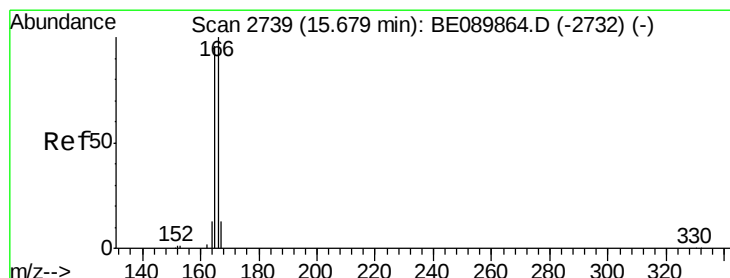
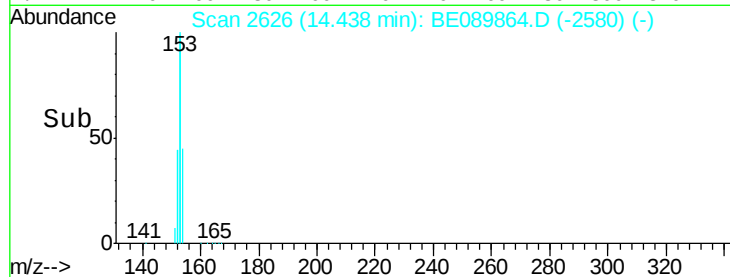
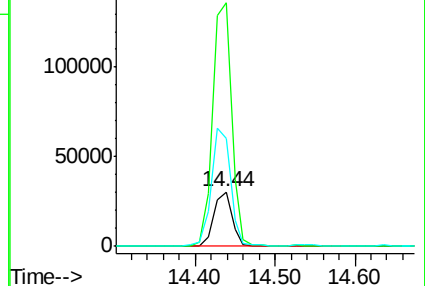
152 227.2 198.6 298.0



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: 1.10 ng

RT: 15.68 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

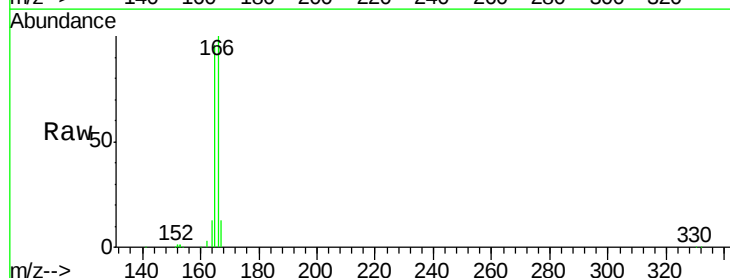
Tgt Ion:166 Resp: 62926

Ion Ratio Lower Upper

166 100

165 97.7 85.1 127.7

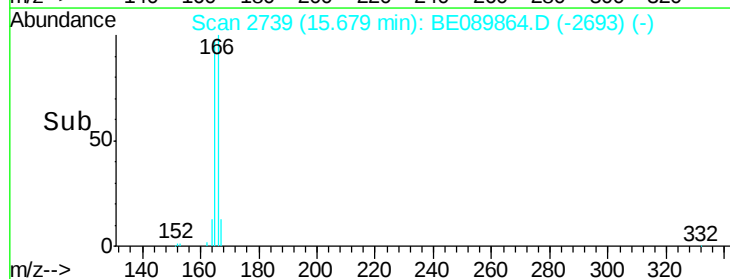
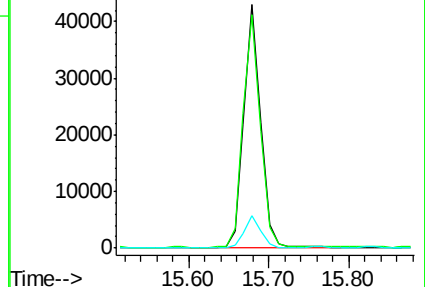
167 12.9 12.2 18.4

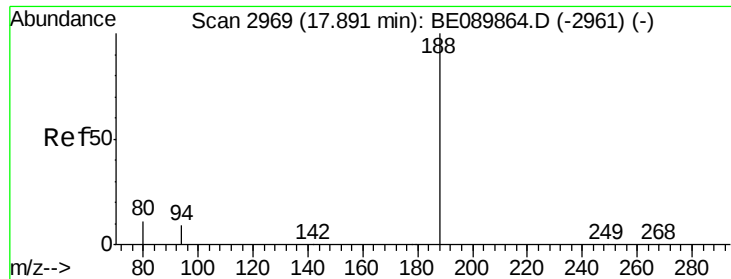


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.89 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

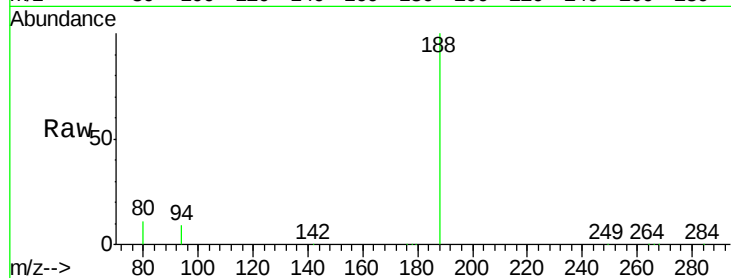
Tgt Ion:188 Resp: 400778

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

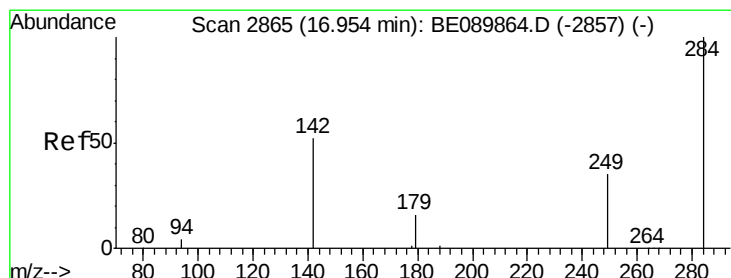
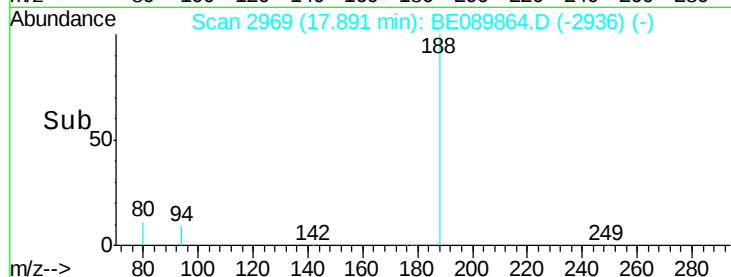
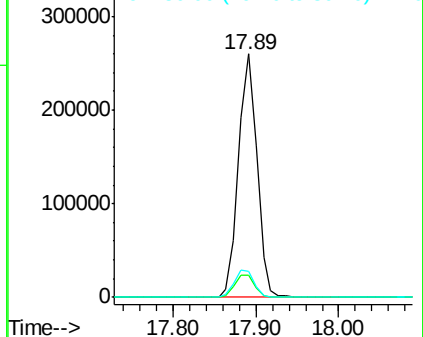
80 10.9 10.0 15.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#14

Hexachlorobenzene

Concen: 0.98 ng

RT: 16.95 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

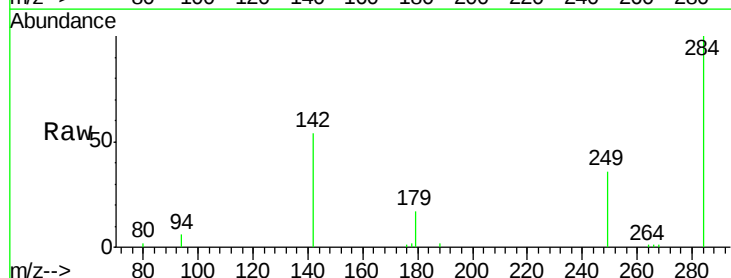
Tgt Ion:284 Resp: 13080

Ion Ratio Lower Upper

284 100

142 64.4 53.3 79.9

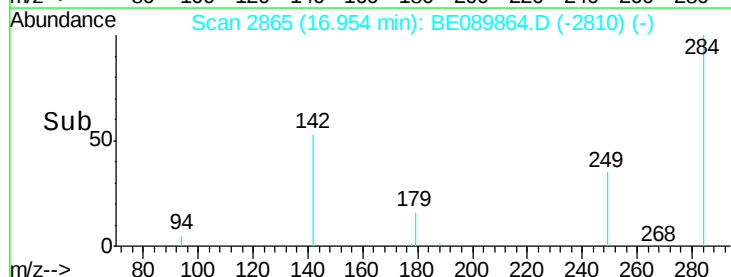
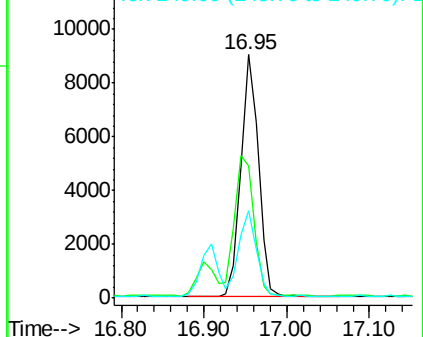
249 35.3 31.1 46.7

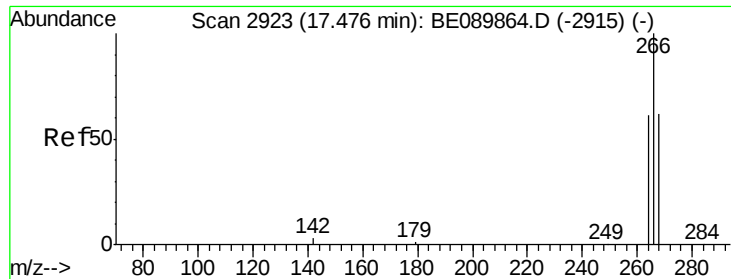


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

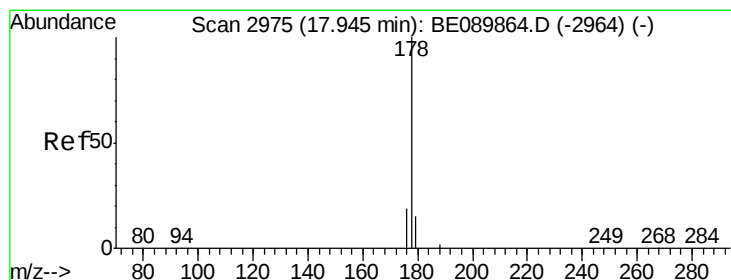
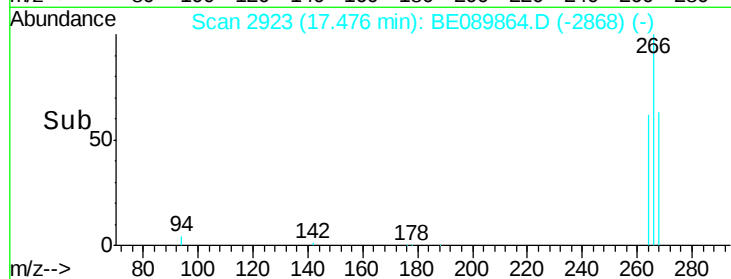
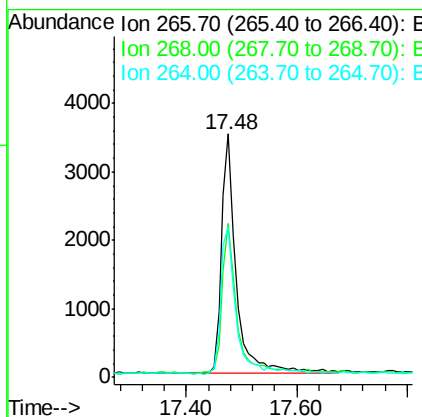
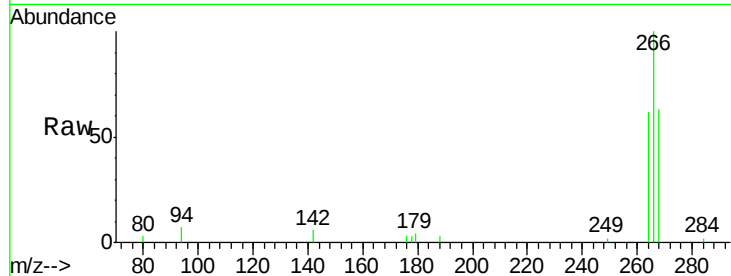




#15
 Pentachlorophenol
 Concen: 1.36 ng
 RT: 17.48 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: BE089864.D
 Acq: 26 Mar 2015 19:29

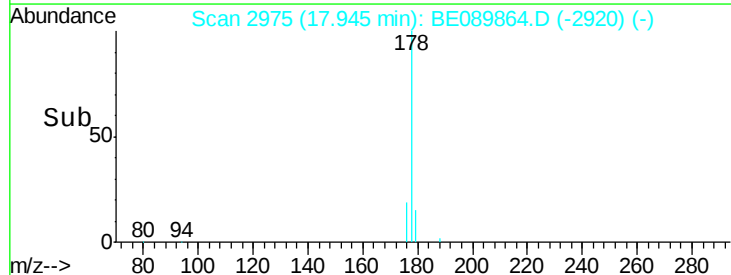
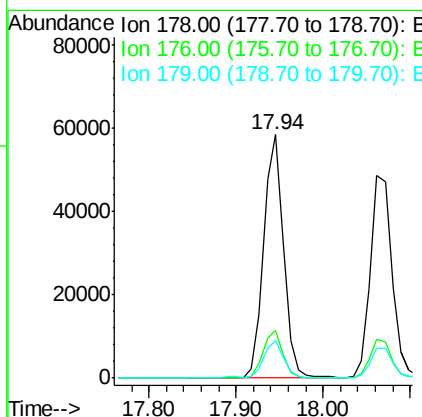
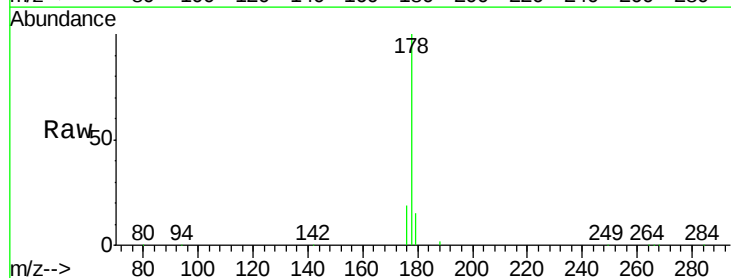
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

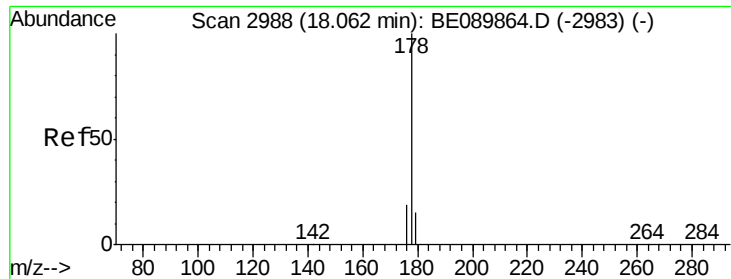
Tgt Ion: 266 Resp: 6639
 Ion Ratio Lower Upper
 266 100
 268 63.1 51.6 77.4
 264 61.9 50.2 75.2



#16
 Phenanthrene
 Concen: 1.02 ng
 RT: 17.94 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: BE089864.D
 Acq: 26 Mar 2015 19:29

Tgt Ion: 178 Resp: 90989
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 15.4 12.2 18.4





#17

Anthracene

Concen: 1.05 ng

RT: 18.06 min Scan# 2988

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

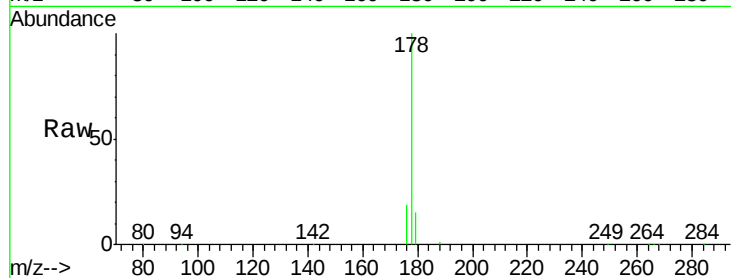
Tgt Ion:178 Resp: 83459

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

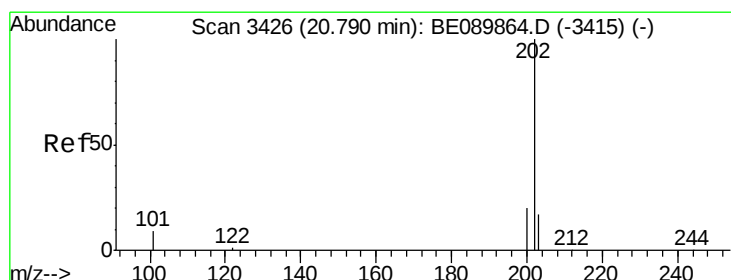
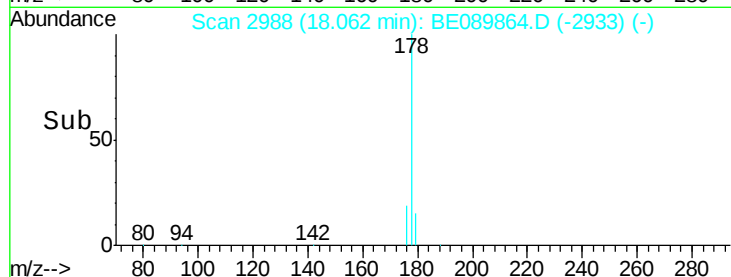
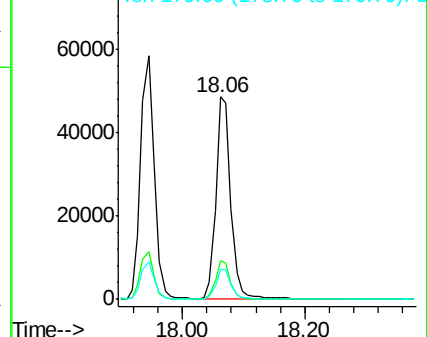
179 14.9 12.1 18.1



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: 1.13 ng

RT: 20.79 min Scan# 3426

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

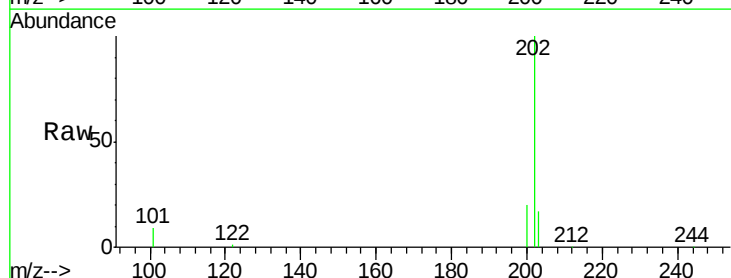
Tgt Ion:202 Resp: 92504

Ion Ratio Lower Upper

202 100

101 9.7 8.2 12.2

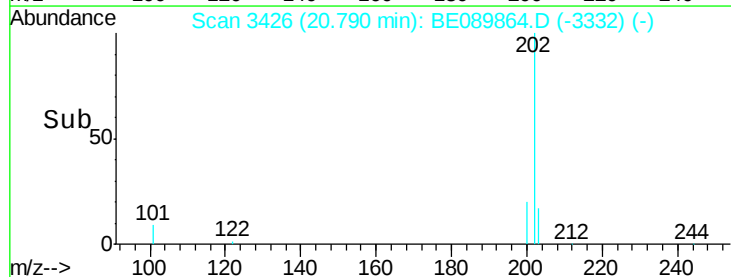
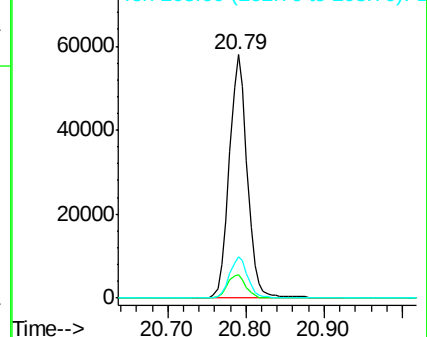
203 16.9 14.2 21.4

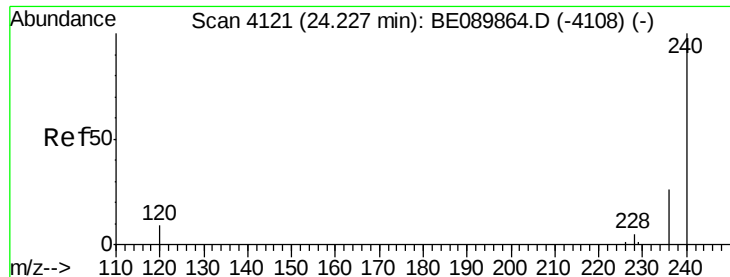


Abundance Ion 202.00 (201.70 to 202.70): E

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: 24.23 min Scan# 4121

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

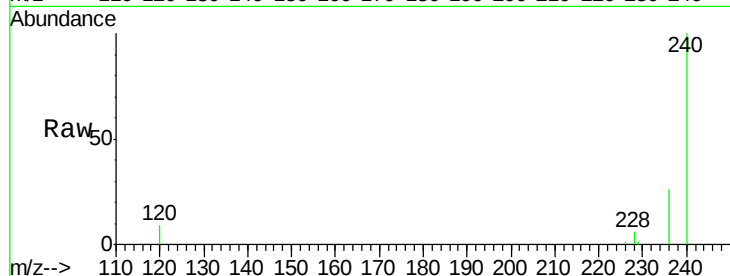
Tgt Ion:240 Resp: 414734

Ion Ratio Lower Upper

240 100

120 9.4 7.5 11.3

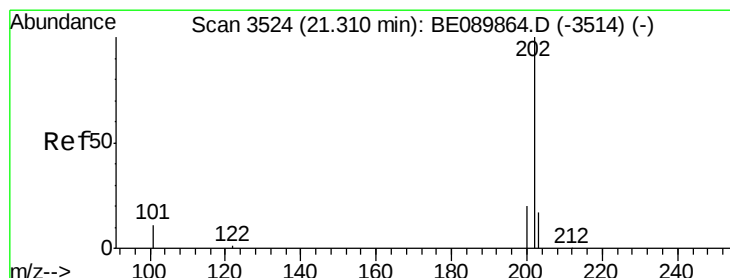
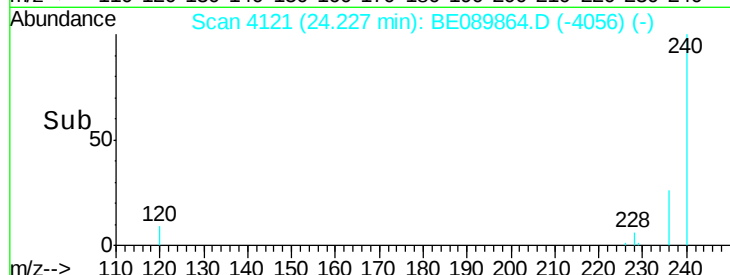
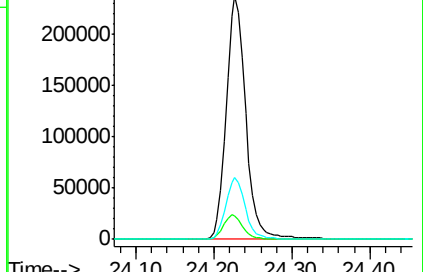
236 25.6 20.5 30.7



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: 21.31 min Scan# 3524

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

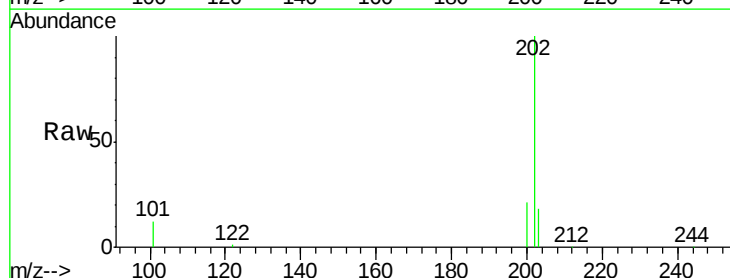
Tgt Ion:202 Resp: 98097

Ion Ratio Lower Upper

202 100

200 20.5 15.9 23.9

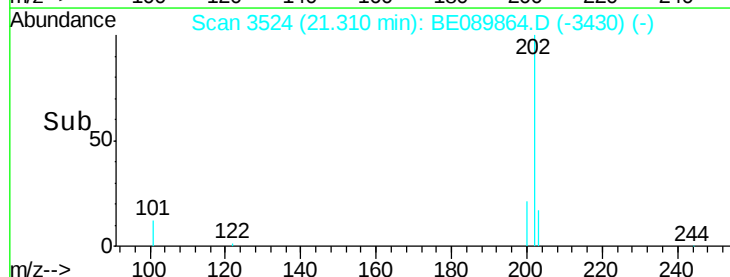
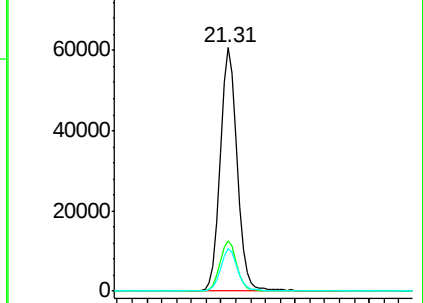
203 17.2 13.6 20.4

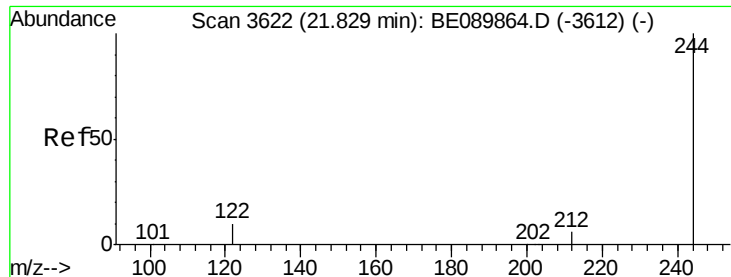


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

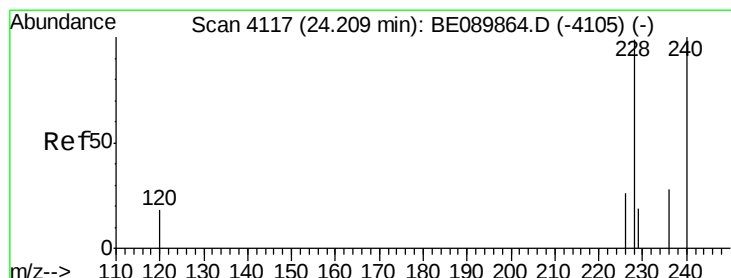
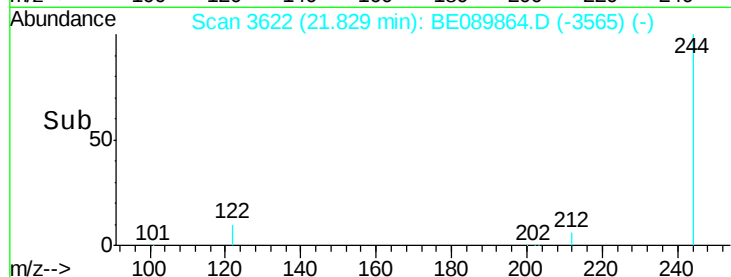
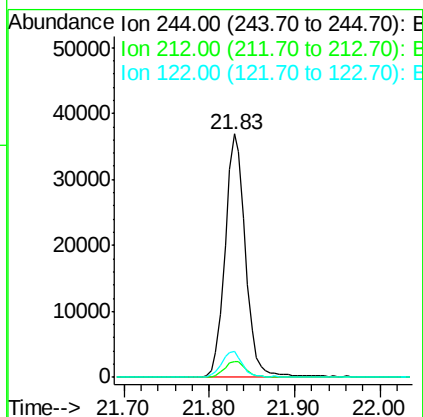
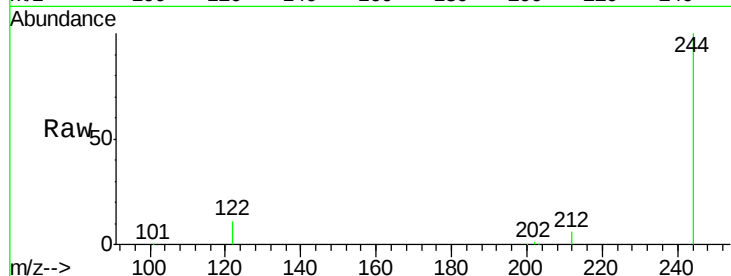




#21
 Terphenyl-d14
 Concen: 0.99 ng
 RT: 21.83 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: BE089864.D
 Acq: 26 Mar 2015 19:29

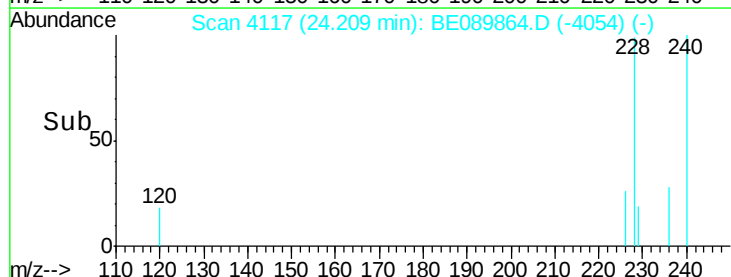
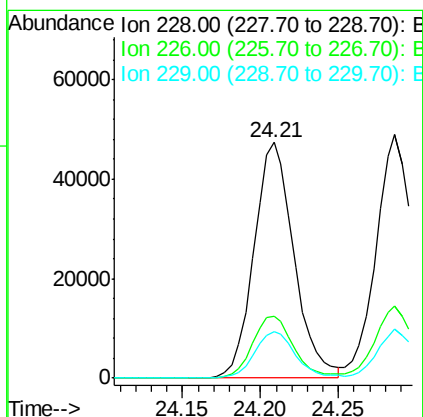
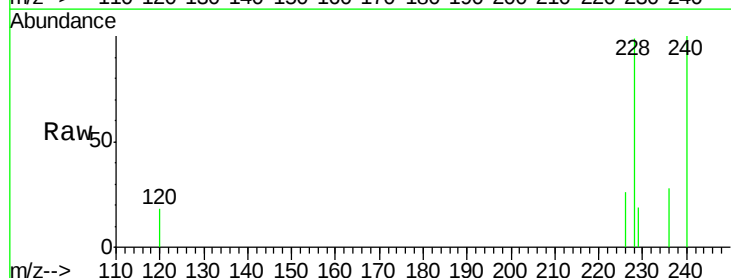
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

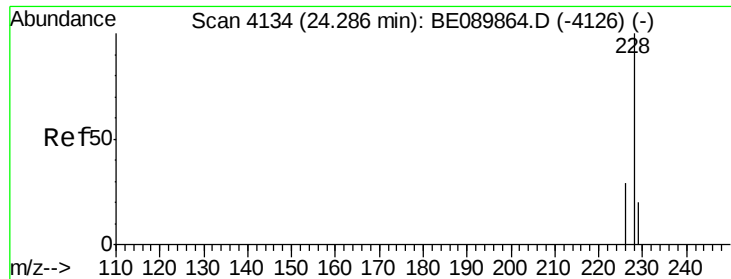
Tgt Ion: 244 Resp: 60890
 Ion Ratio Lower Upper
 244 100
 212 6.4 7.3 10.9#
 122 10.5 10.5 15.7



#22
 Benzo(a)anthracene
 Concen: 1.06 ng
 RT: 24.21 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: BE089864.D
 Acq: 26 Mar 2015 19:29

Tgt Ion: 228 Resp: 83914
 Ion Ratio Lower Upper
 228 100
 226 26.2 19.8 29.8
 229 19.5 16.3 24.5





#23

Chrysene

Concen: 1.04 ng

RT: 24.29 min Scan# 4134

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

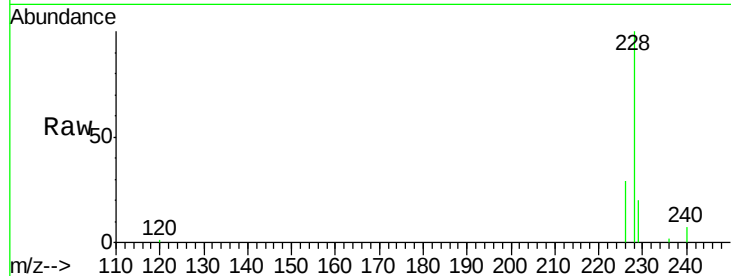
Tgt Ion:228 Resp: 88452

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.4

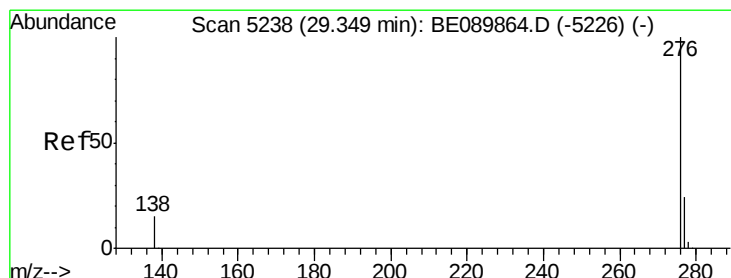
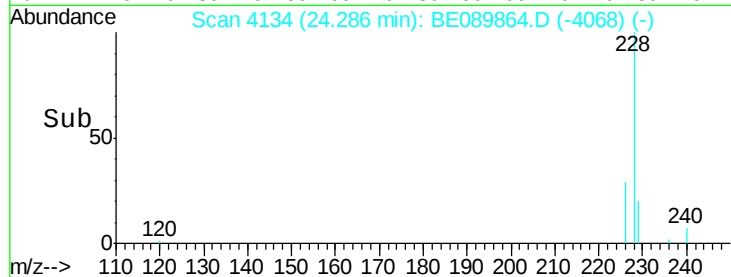
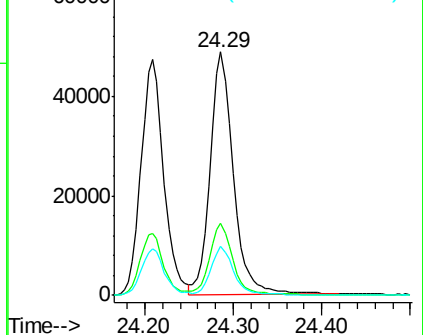
229 20.1 15.8 23.6



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: 1.46 ng m

RT: 29.35 min Scan# 5238

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

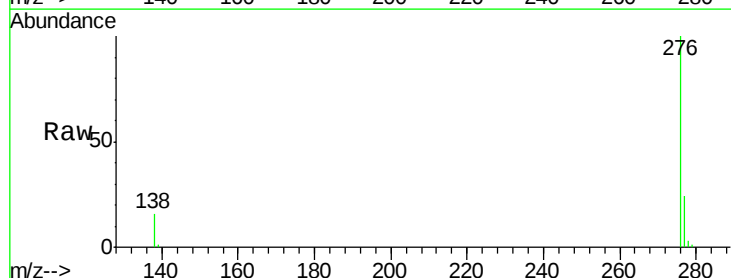
Tgt Ion:276 Resp: 74948

Ion Ratio Lower Upper

276 100

138 9.4 4.3 6.5#

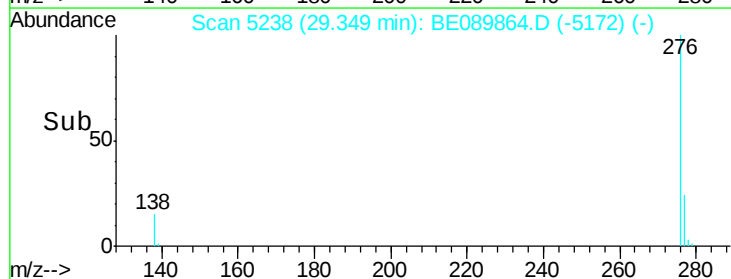
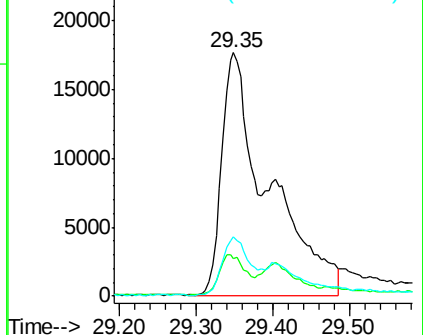
277 15.0 9.0 13.4#

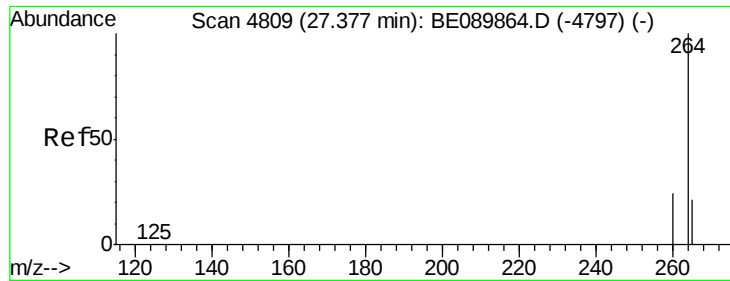


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



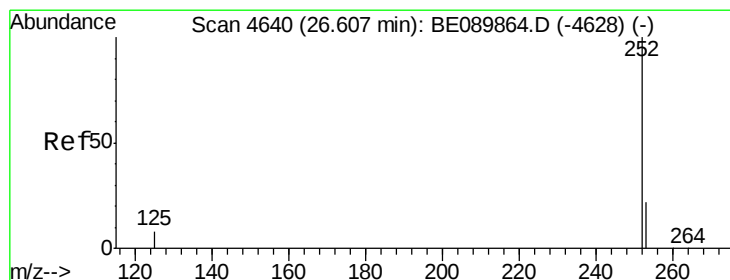
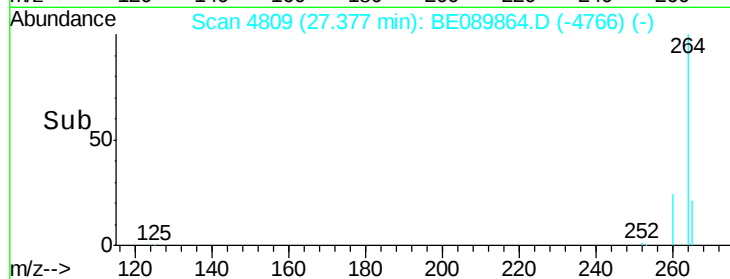
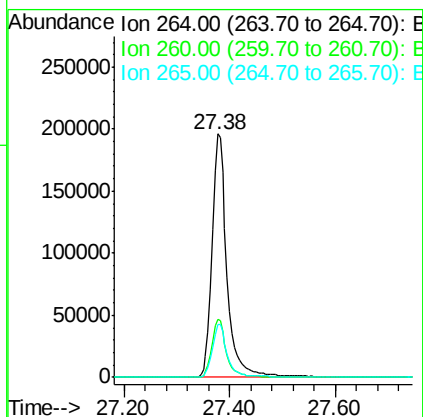
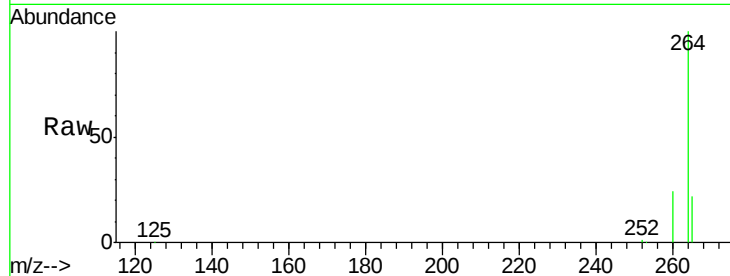


#25
Perylene-d12
Concen: 5.00 ng
RT: 27.38 min Scan# 4809
Delta R.T. 0.00 min
Lab File: BE089864.D
Acq: 26 Mar 2015 19:29

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion: 264 Resp: 384310

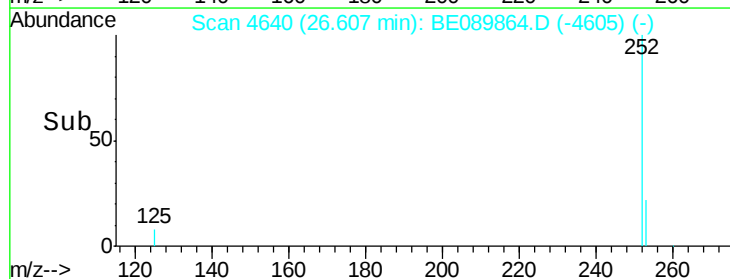
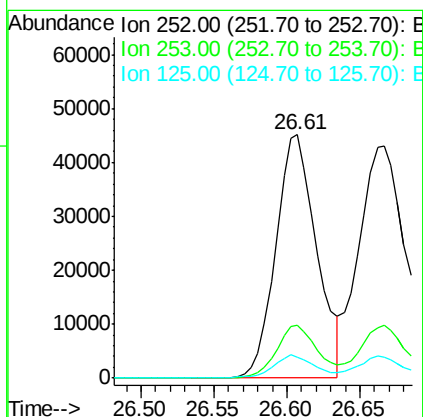
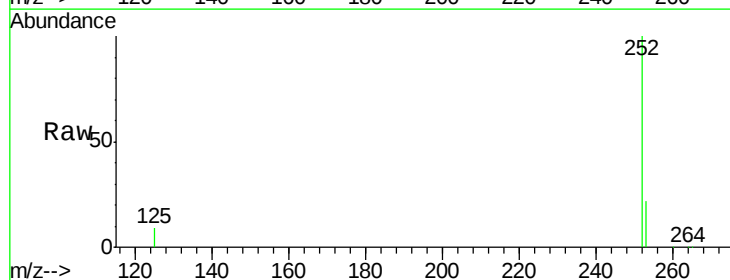
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	21.5	17.3	25.9

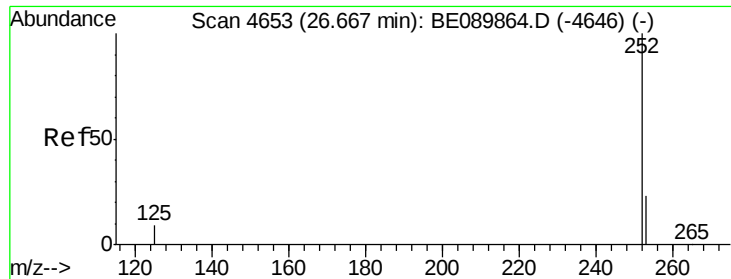


#26
Benzo(b)fluoranthene
Concen: 1.43 ng m
RT: 26.61 min Scan# 4640
Delta R.T. 0.00 min
Lab File: BE089864.D
Acq: 26 Mar 2015 19:29

Tgt Ion: 252 Resp: 88540

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	8.6	8.7	13.1





#27

Benzo(k)fluoranthene

Concen: 1.36 ng

RT: 26.67 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

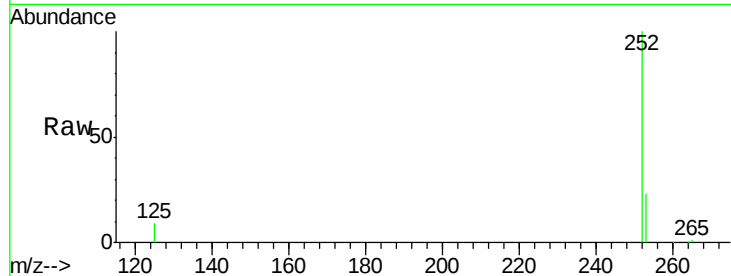
Tgt Ion:252 Resp: 113051

Ion Ratio Lower Upper

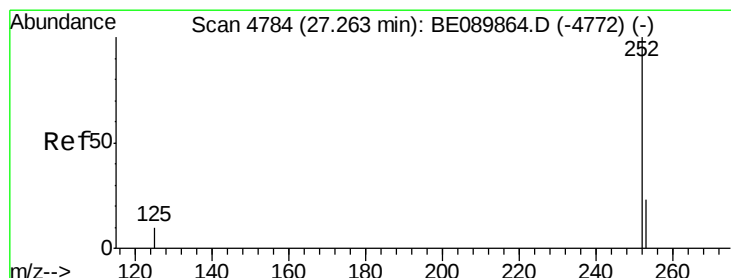
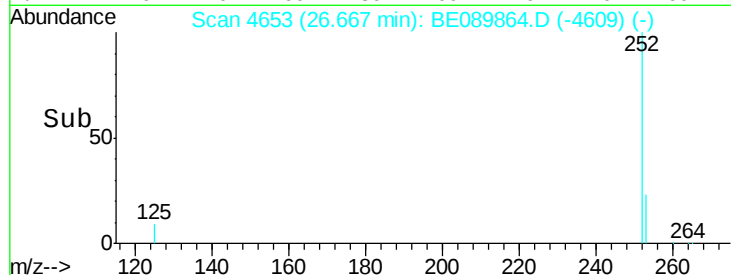
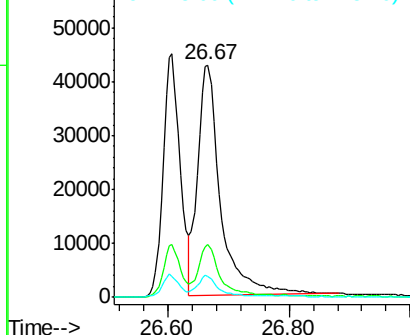
252 100

253 22.7 18.6 28.0

125 9.0 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: 1.44 ng m

RT: 27.26 min Scan# 4784

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

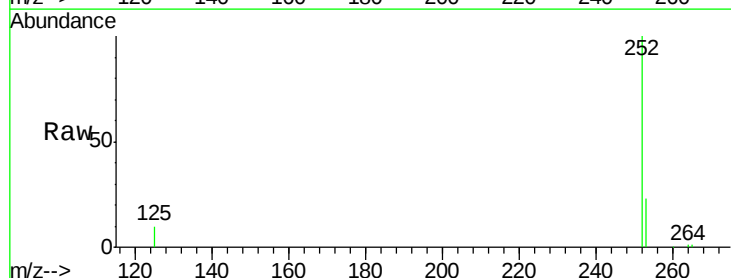
Tgt Ion:252 Resp: 83567

Ion Ratio Lower Upper

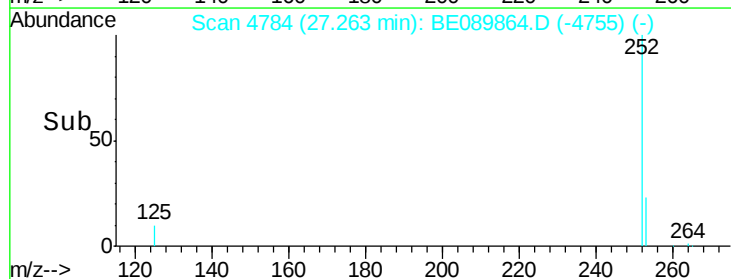
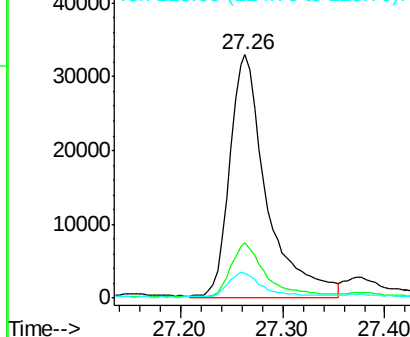
252 100

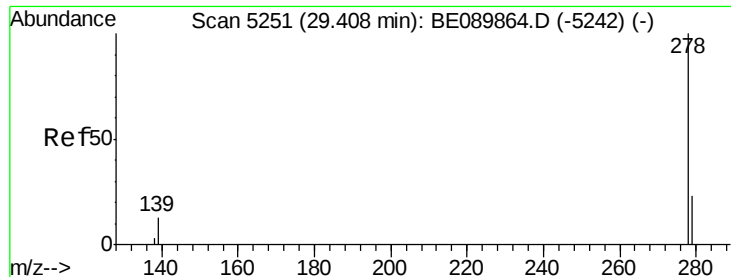
253 22.8 21.0 31.4

125 10.0 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: 1.40 ng

RT: 29.41 min Scan# 5251

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

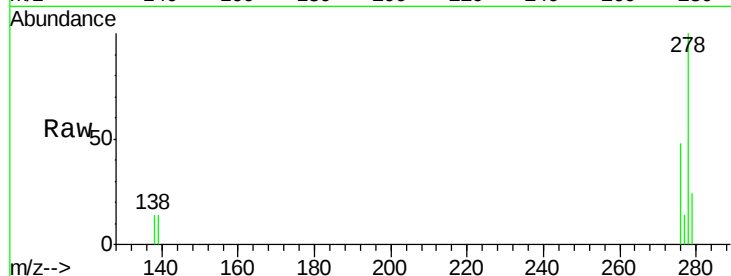
Tgt Ion: 278 Resp: 58513

Ion Ratio Lower Upper

278 100

139 13.6 20.0 30.0#

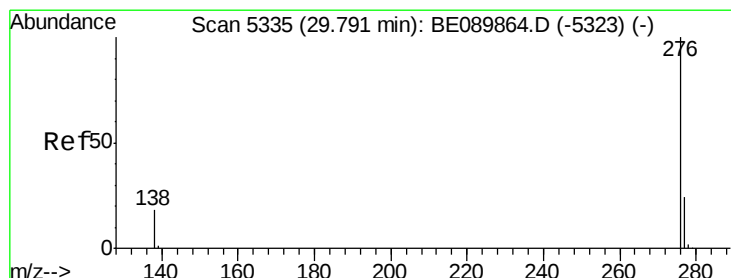
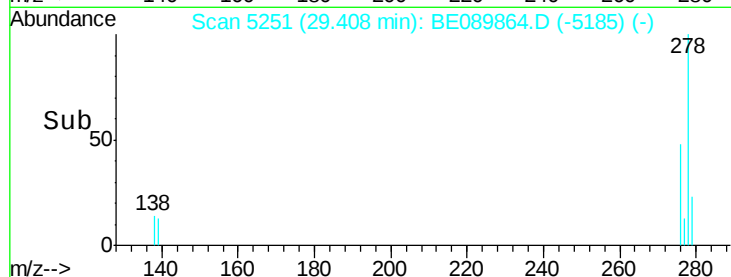
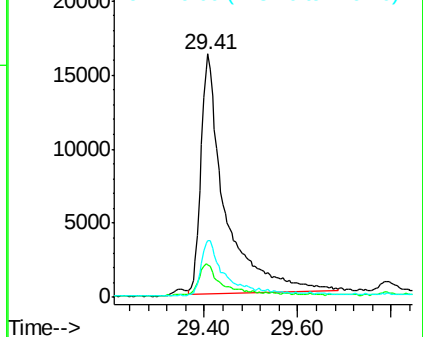
279 23.5 28.9 43.3#



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: 29.79 min Scan# 5335

Delta R.T. 0.00 min

Lab File: BE089864.D

Acq: 26 Mar 2015 19:29

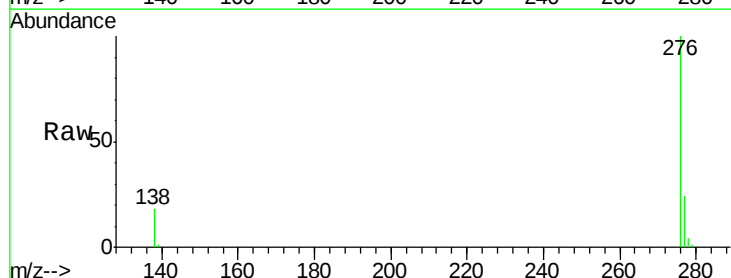
Tgt Ion: 276 Resp: 70530

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 18.1 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

