

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089712.D
 Acq On : 27 Feb 2015 5:18
 Operator : TP/JJ
 Sample : G1382-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW2-022515

Quant Time: Feb 27 06:37:31 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE022615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 05:11:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	45366	5.00	ng	0.00
7) Naphthalene-d8	12.24	136	193149	5.00	ng	0.00
13) Acenaphthene-d10	16.40	164	92665	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	171722	5.00	ng	0.00
20) Chrysene-d12	23.65	240	139174	5.00	ng	0.00
27) Perylene-d12	25.33	264	116990	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.50	112	52535	4.78	ng	0.00
4) Phenol-d6	8.62	99	44095	2.96	ng	0.01
8) Nitrobenzene-d5	10.61	82	112428	9.39	ng	0.01
14) 2,4,6-Tribromophenol	18.31	330	25254	15.72	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	211839	10.29	ng	0.00
22) Terphenyl-d14	22.30	244	216119	12.81	ng	0.00

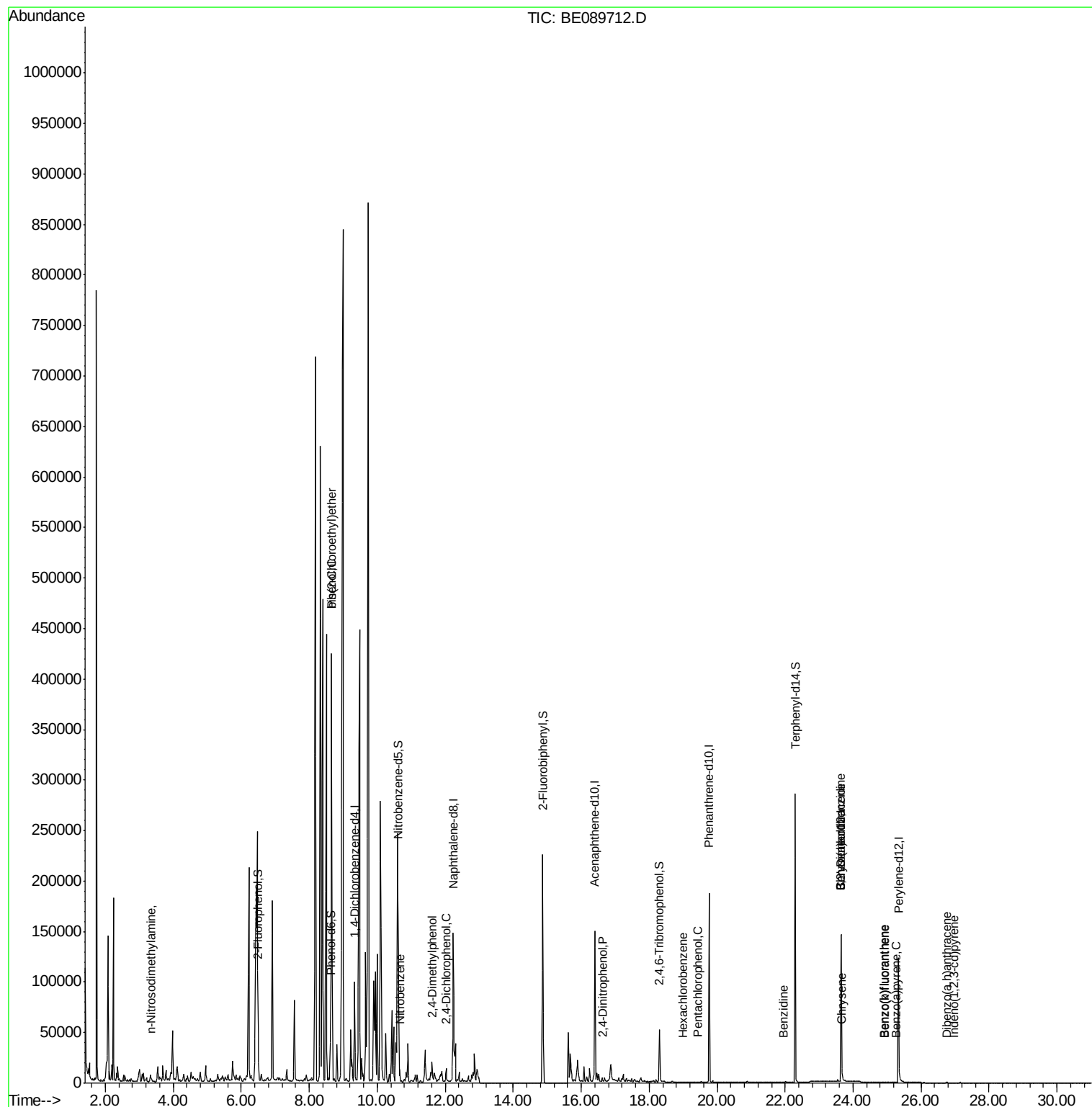
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.35	42	4628	0.75	ng	# 18
5) Phenol	8.65	94	12070	0.74	ng	# 1
6) bis(2-Chloroethyl)ether	8.67	93	11054	0.87	ng	# 1
9) Nitrobenzene	10.66	77	9236	0.81	ng	# 22
10) 2,4-Dimethylphenol	11.61	122	17275	1.95	ng	91
11) 2,4-Dichlorophenol	12.03	162	5843	0.90	ng	# 32
16) 2,4-Dinitrophenol	16.66	184	33	0.42	ng	# 1
18) Hexachlorobenzene	18.98	284	7	0.00	ng	# 1
19) Pentachlorophenol	19.43	266	128	0.41	ng	# 82
21) Benzidine	21.96	184	7	0.23	ng	# 1
23) Benzo(a)anthracene	23.64	228	2829	0.03	ng	# 80
24) 3,3'-Dichlorobenzidine	23.64	252	72	0.43	ng	# 1
25) Chrysene	23.68	228	2113	0.02	ng	# 71
26) Indeno(1,2,3-cd)pyrene	26.96	276	9	0.38	ng	94
28) Benzo(b)fluoranthene	24.91	252	249	0.42	ng	# 1
29) Benzo(k)fluoranthene	24.94	252	234	0.12	ng	# 1
30) Benzo(a)pyrene	25.27	252	156	0.38	ng	# 1
31) Dibenzo(a,h)anthracene	26.76	278	104	0.40	ng	# 1

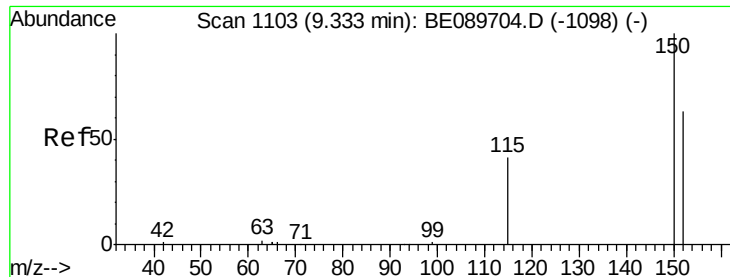
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

Instrument :

BNA_E

ClientSampleId :

MW2-022515

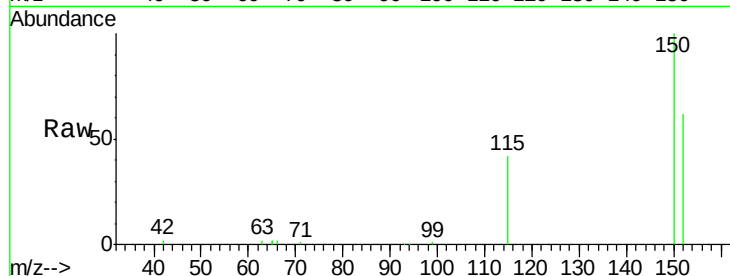
Tgt Ion:152 Resp: 45366

Ion Ratio Lower Upper

152 100

150 161.8 127.3 190.9

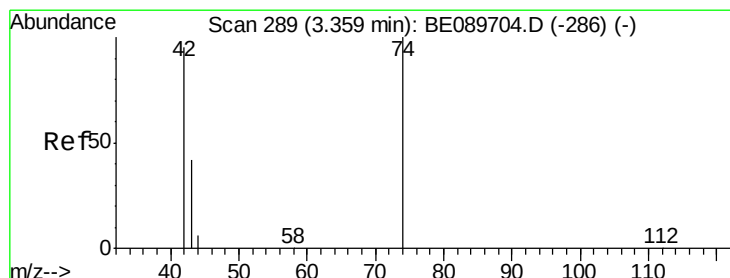
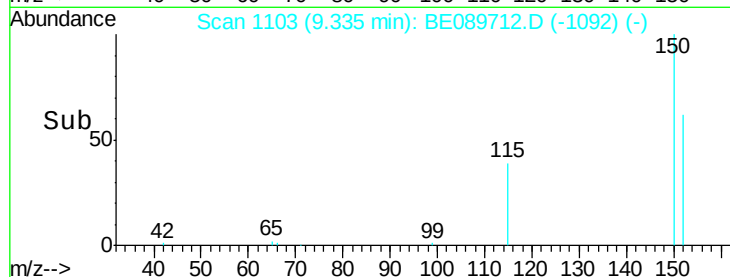
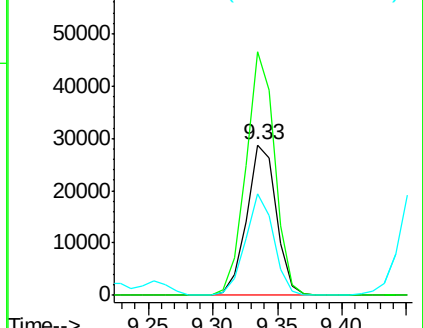
115 67.4 52.0 78.0



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

n-Nitrosodimethylamine

Concen: 0.75 ng

RT: 3.35 min Scan# 288

Delta R.T. -0.01 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

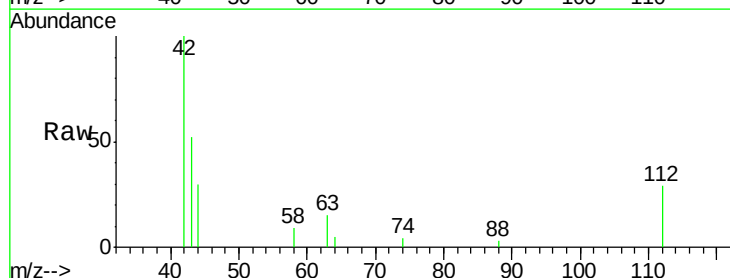
Tgt Ion: 42 Resp: 4628

Ion Ratio Lower Upper

42 100

74 4.2 83.8 125.8#

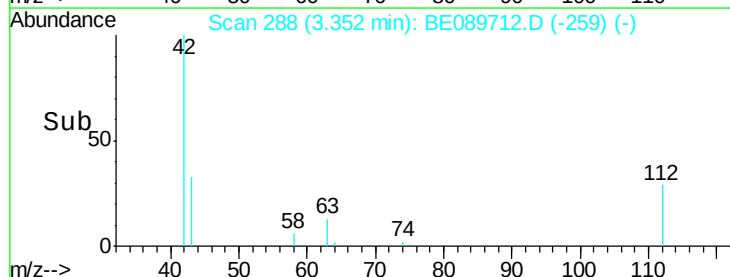
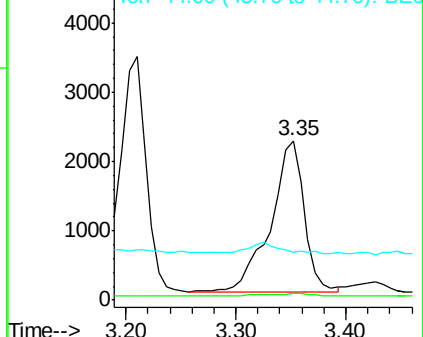
44 30.2 19.0 28.6#

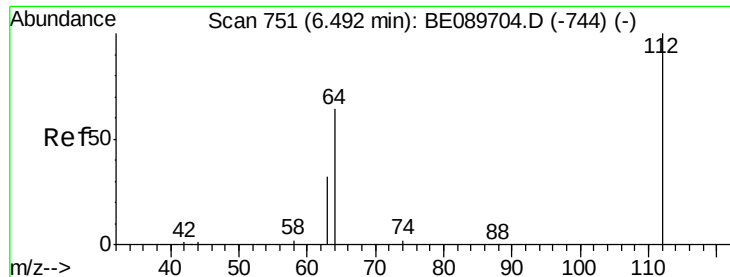


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 4.78 ng

RT: 6.50 min Scan# 752

Delta R.T. 0.01 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

Instrument :

BNA_E

ClientSampleId :

MW2-022515

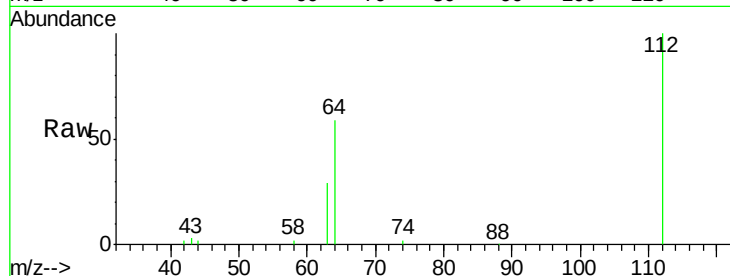
Tgt Ion: 112 Resp: 52535

Ion Ratio Lower Upper

112 100

64 58.7 51.3 76.9

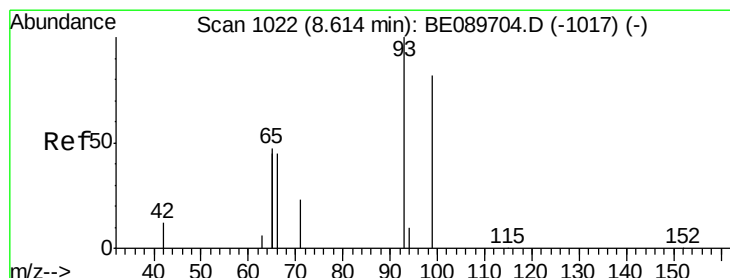
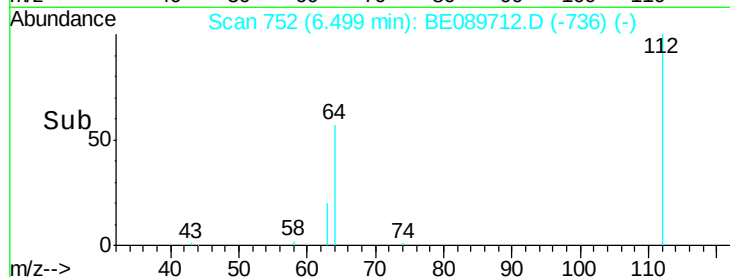
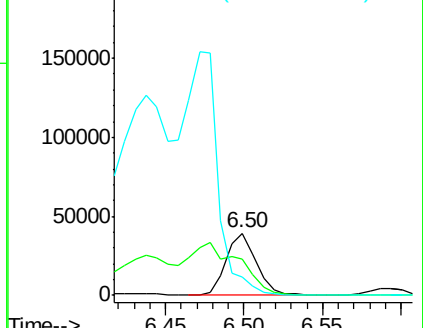
63 28.9 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#4

Phenol-d6

Concen: 2.96 ng

RT: 8.62 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

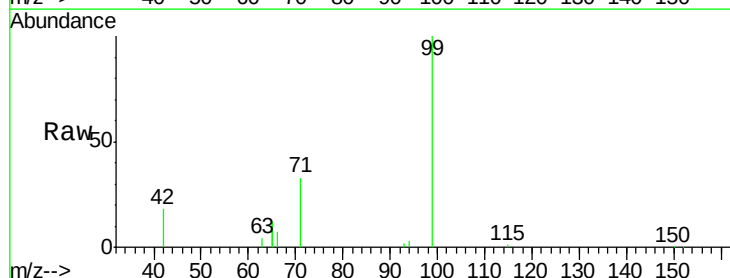
Tgt Ion: 99 Resp: 44095

Ion Ratio Lower Upper

99 100

42 17.8 12.3 18.5

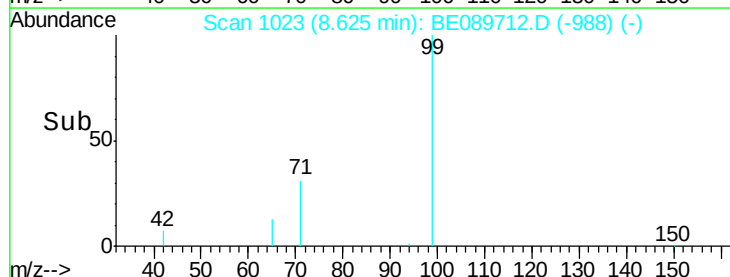
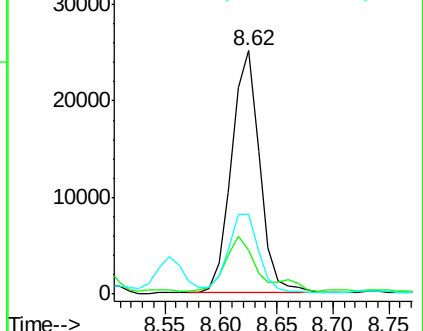
71 32.9 22.9 34.3

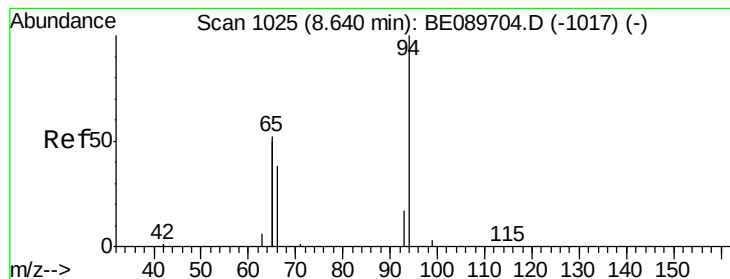


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.74 ng

RT: 8.65 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

Instrument :

BNA_E

ClientSampleId :

MW2-022515

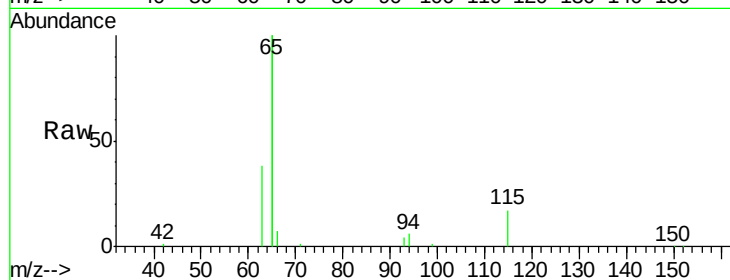
Tgt Ion: 94 Resp: 12070

Ion Ratio Lower Upper

94 100

65 3106.9 31.7 71.7#

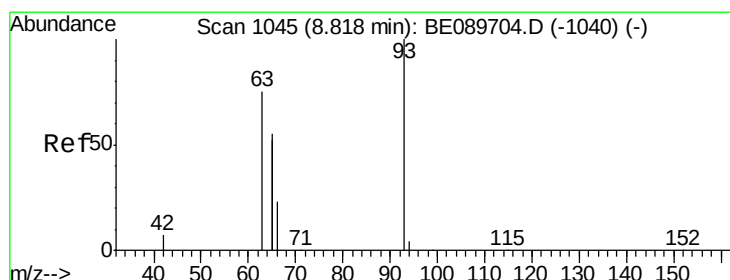
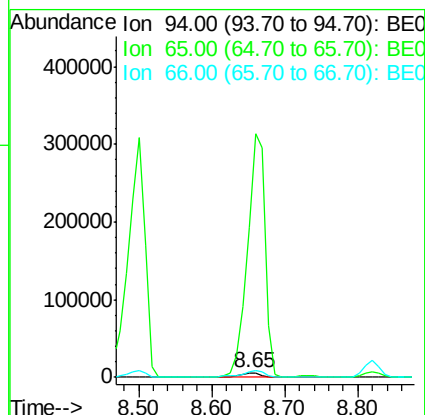
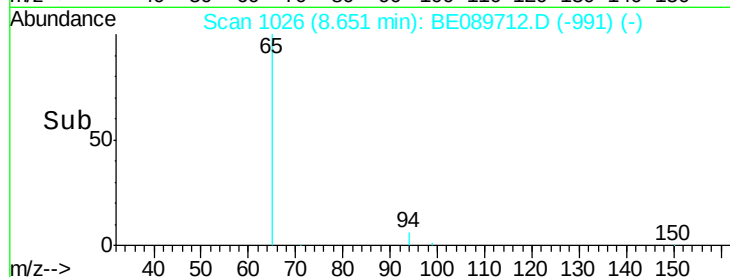
66 105.9 17.9 57.9#



Abundance Ion 94.00 (93.70 to 94.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Ion 66.00 (65.70 to 66.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.87 ng

RT: 8.67 min Scan# 1028

Delta R.T. -0.15 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

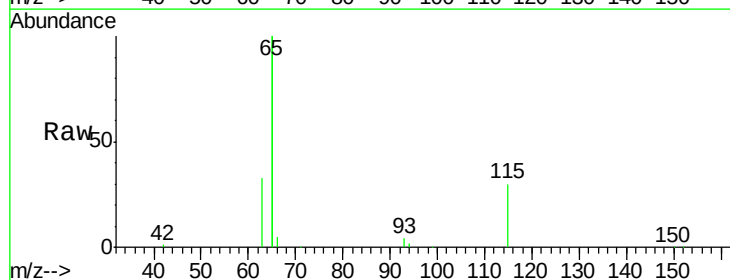
Tgt Ion: 93 Resp: 11054

Ion Ratio Lower Upper

93 100

63 853.0 83.8 125.8#

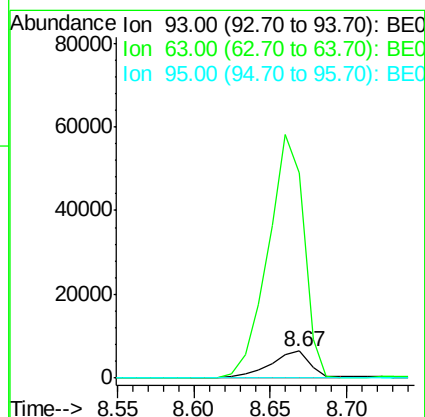
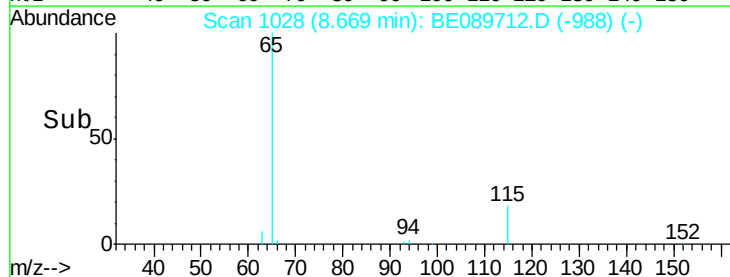
95 0.0 0.0 0.0

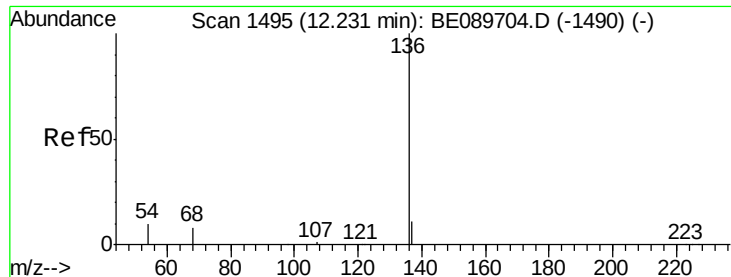


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 1496

Delta R.T. 0.01 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

Instrument :

BNA_E

ClientSampleId :

MW2-022515

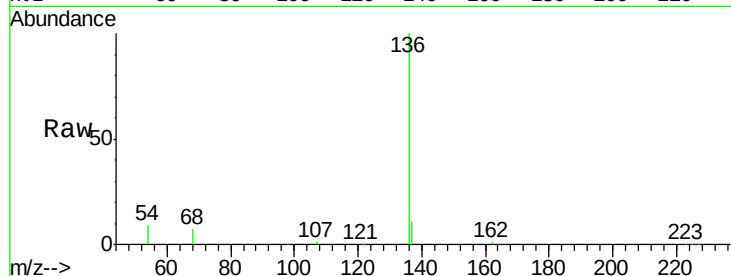
Tgt Ion: 136 Resp: 193149

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

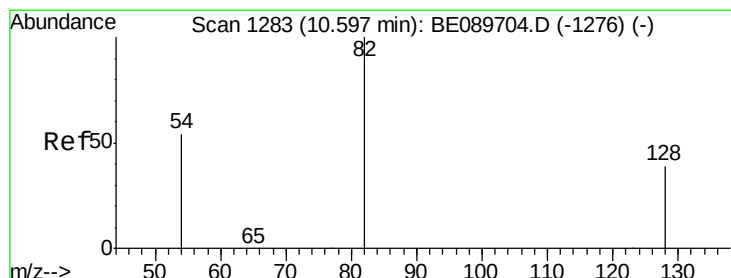
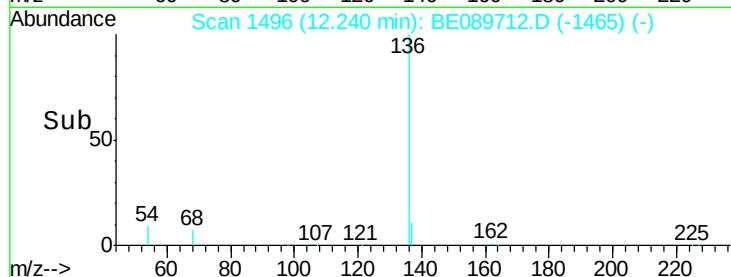
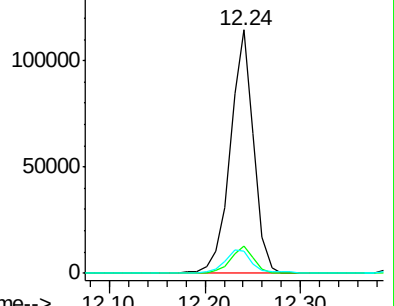
54 8.9 8.1 12.1



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



#8

Nitrobenzene-d5

Concen: 9.39 ng

RT: 10.61 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

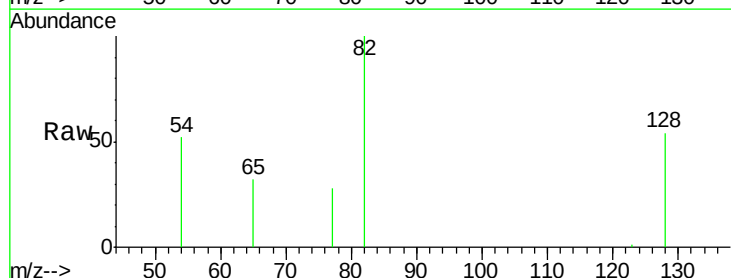
Tgt Ion: 82 Resp: 112428

Ion Ratio Lower Upper

82 100

128 54.5 31.4 47.2#

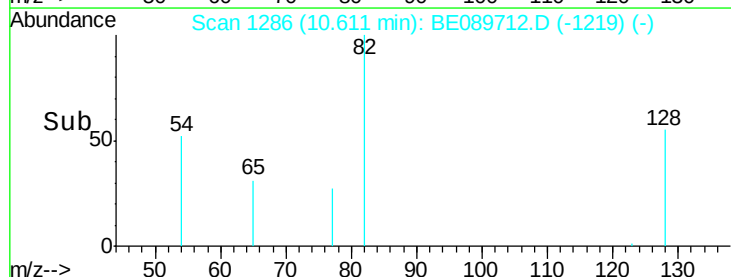
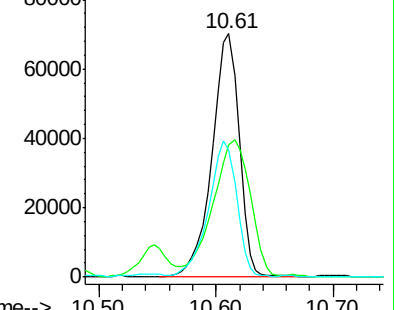
54 52.3 43.8 65.8

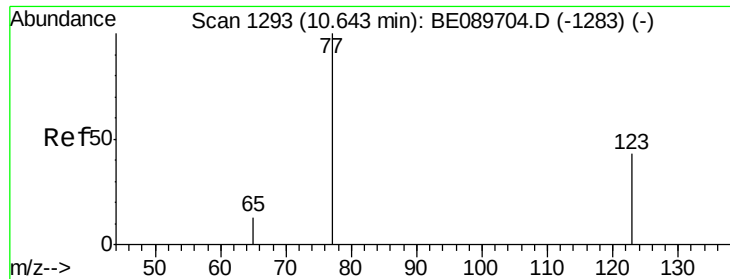


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.81 ng

RT: 10.66 min Scan# 1297

Delta R.T. 0.02 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

Instrument :

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ClientSampleId :

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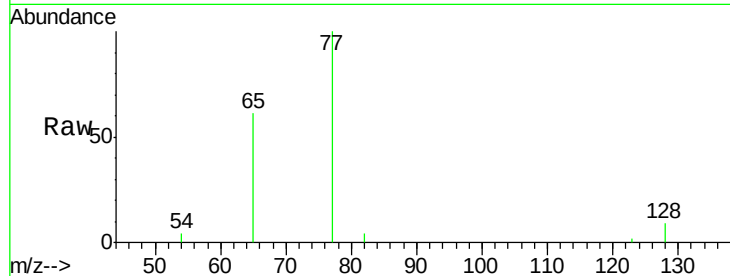
Tgt Ion: 77 Resp: 9236

Ion Ratio Lower Upper

77 100

123 0.0 33.2 49.8#

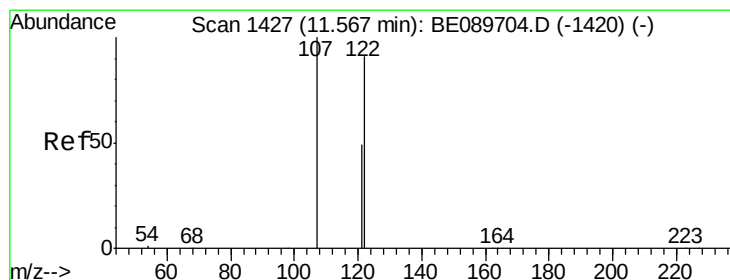
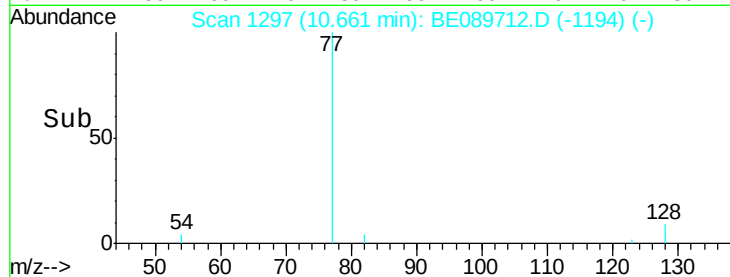
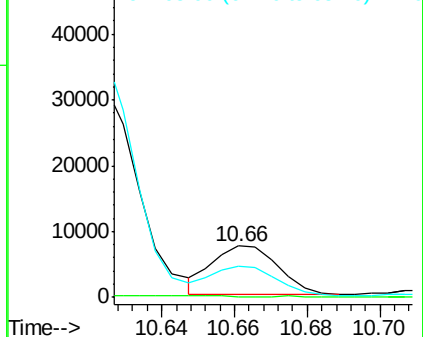
65 59.6 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BE089712.D (-1194) (-)

Ion 123.00 (122.70 to 123.70): BE089712.D (-1194) (-)

Ion 65.00 (64.70 to 65.70): BE089712.D (-1194) (-)



#10

2,4-Dimethylphenol

Concen: 1.95 ng

RT: 11.61 min Scan# 1431

Delta R.T. 0.04 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

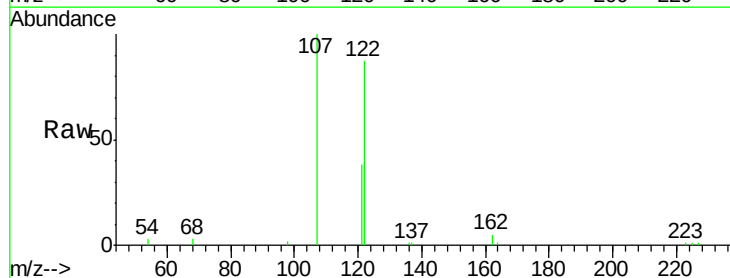
Tgt Ion: 122 Resp: 17275

Ion Ratio Lower Upper

122 100

107 115.5 87.6 131.4

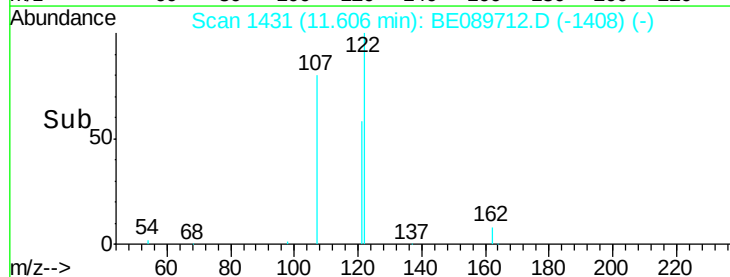
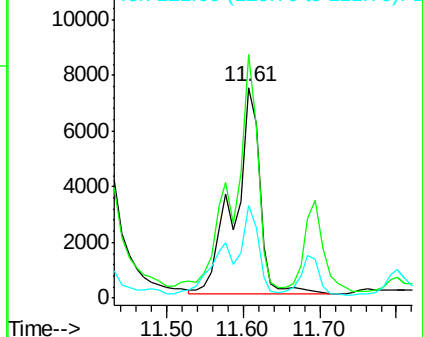
121 44.0 43.4 65.2

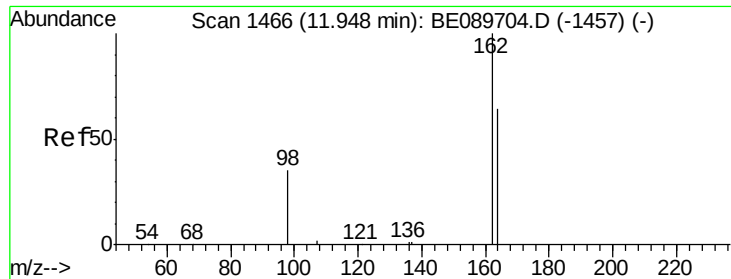


Abundance Ion 122.00 (121.70 to 122.70): BE089712.D (-1408) (-)

Ion 107.00 (106.70 to 107.70): BE089712.D (-1408) (-)

Ion 121.00 (120.70 to 121.70): BE089712.D (-1408) (-)

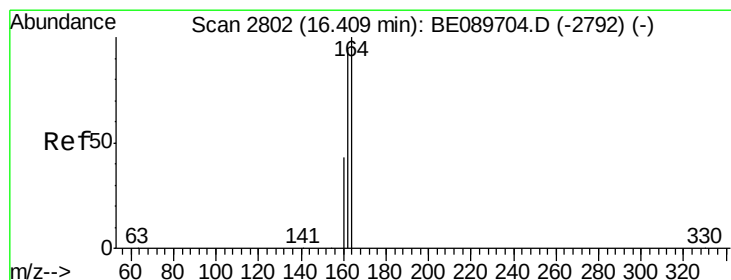
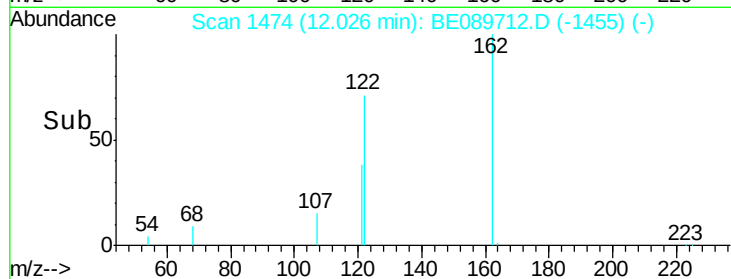
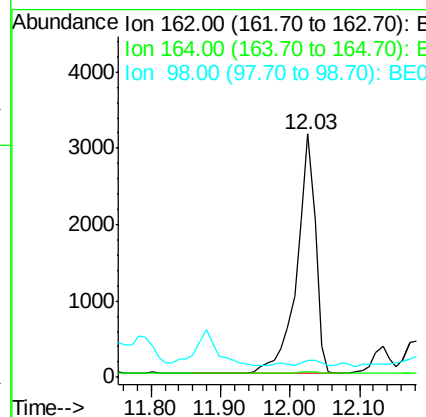
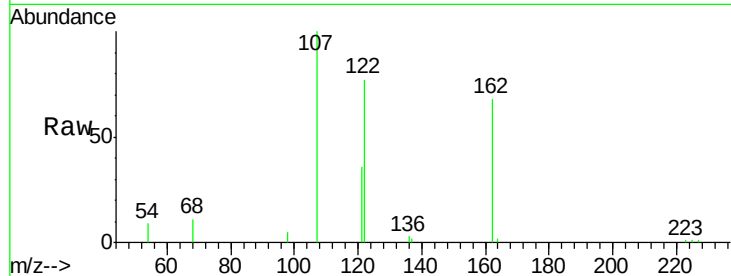




#11
 2,4-Dichlorophenol
 Concen: 0.90 ng
 RT: 12.03 min Scan# 1474
 Delta R.T. 0.08 min
 Lab File: BE089712.D
 Acq: 27 Feb 2015 5:18

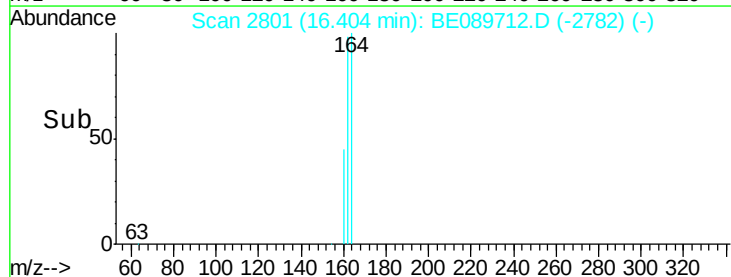
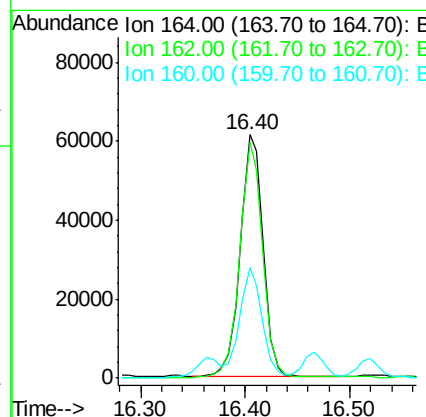
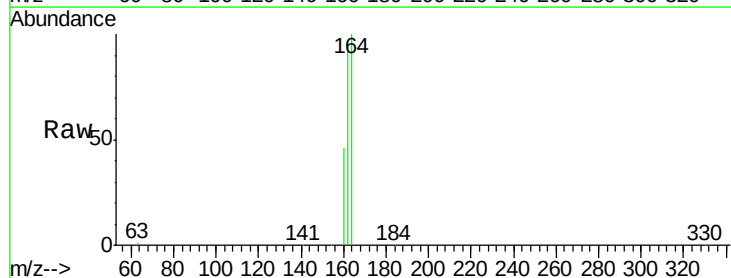
Instrument :
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 MW2-022515

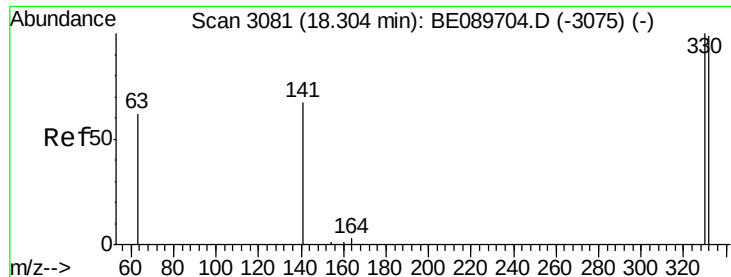
Tgt Ion:162 Resp: 5843
 Ion Ratio Lower Upper
 162 100
 164 2.5 43.9 83.9#
 98 6.7 15.7 55.7#



#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.40 min Scan# 2801
 Delta R.T. -0.00 min
 Lab File: BE089712.D
 Acq: 27 Feb 2015 5:18

Tgt Ion:164 Resp: 92665
 Ion Ratio Lower Upper
 164 100
 162 97.1 75.0 112.6
 160 45.5 34.3 51.5





#14

2,4,6-Tribromophenol

Concen: 15.72 ng

RT: 18.31 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

Instrument :

BNA_E

ClientSampleId :

MW2-022515

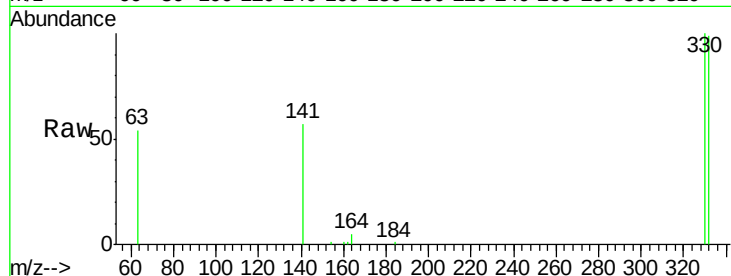
Tgt Ion:330 Resp: 25254

Ion Ratio Lower Upper

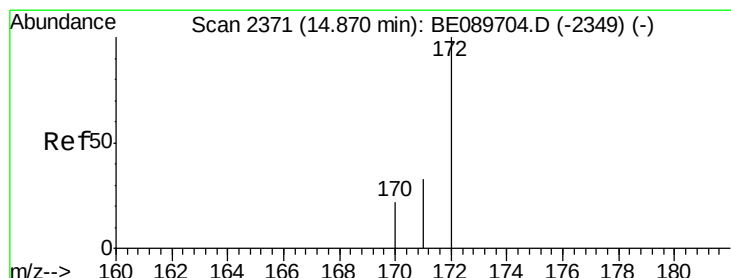
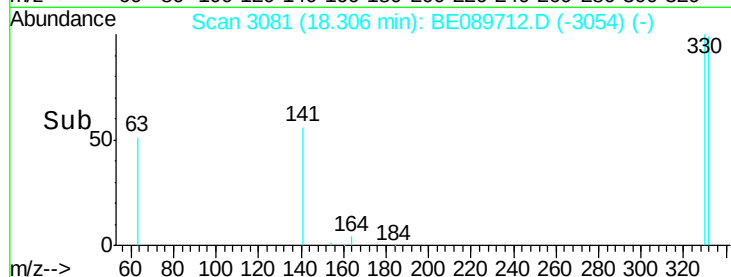
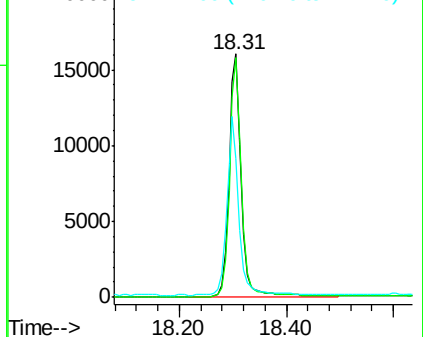
330 100

332 96.9 0.0 0.0#

141 73.3 0.0 0.0#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 10.29 ng

RT: 14.87 min Scan# 2371

Delta R.T. 0.00 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

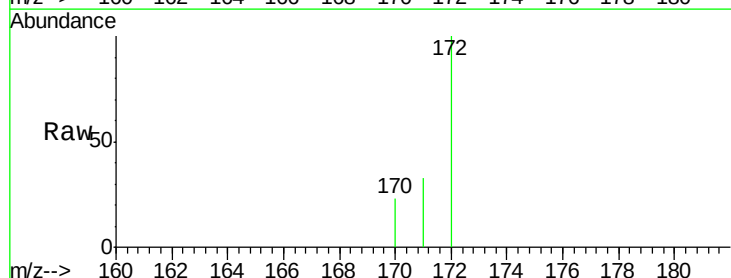
Tgt Ion:172 Resp: 211839

Ion Ratio Lower Upper

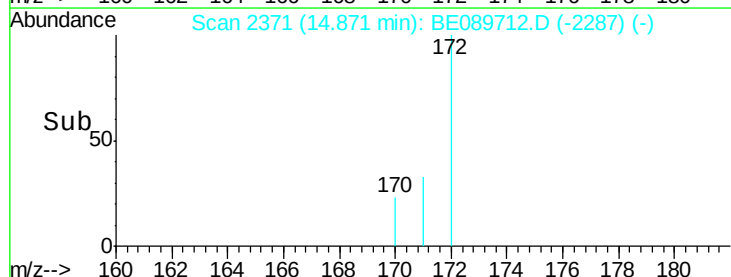
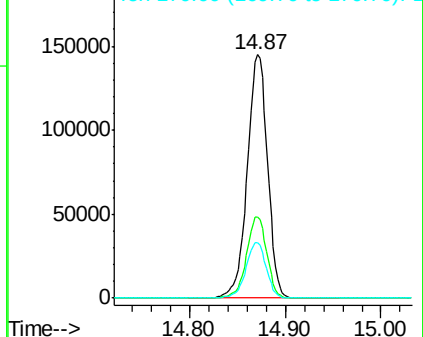
172 100

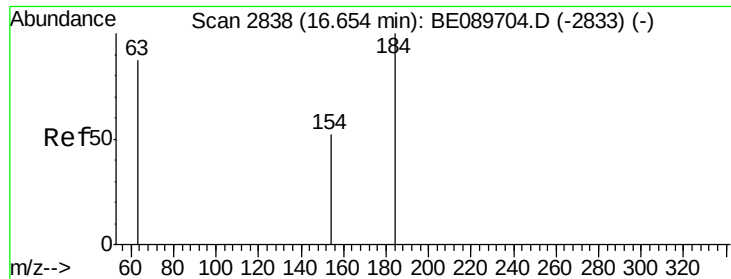
171 33.5 26.8 40.2

170 22.8 18.0 27.0



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

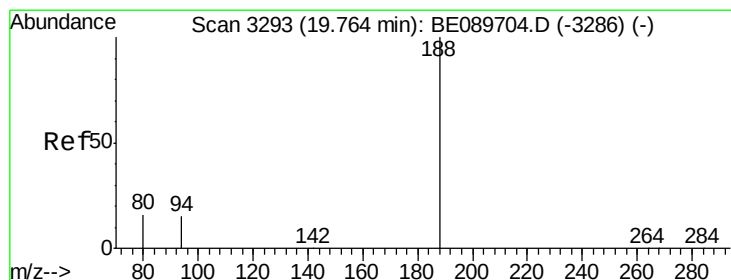
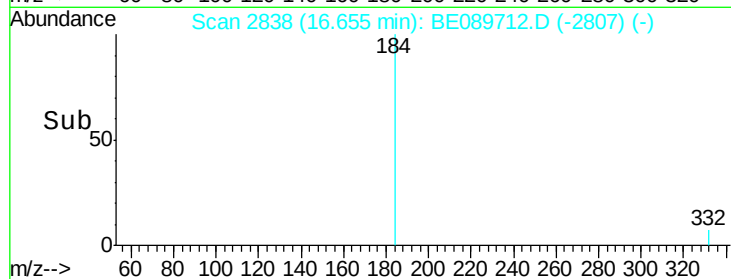
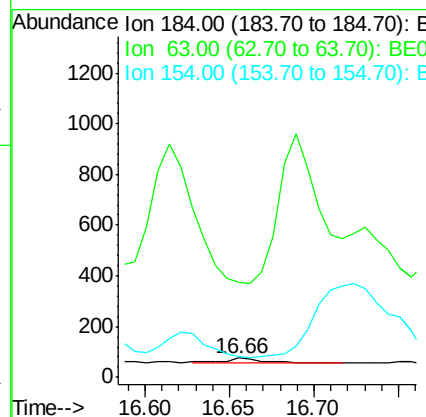
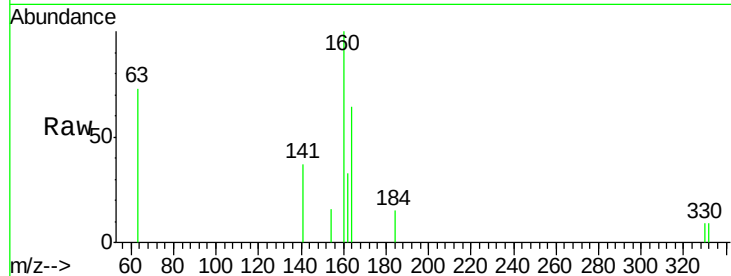




#16
 2,4-Dinitrophenol
 Concen: 0.42 ng
 RT: 16.66 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: BE089712.D
 Acq: 27 Feb 2015 5:18

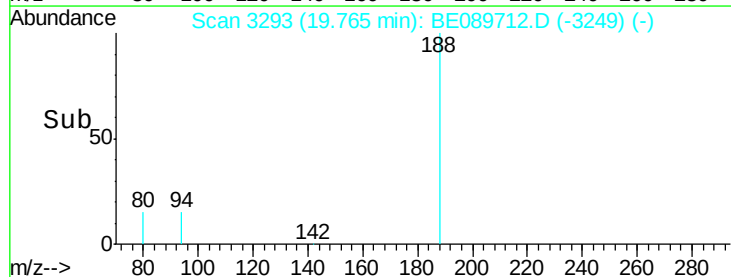
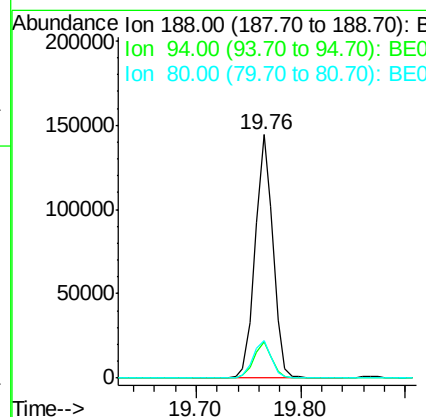
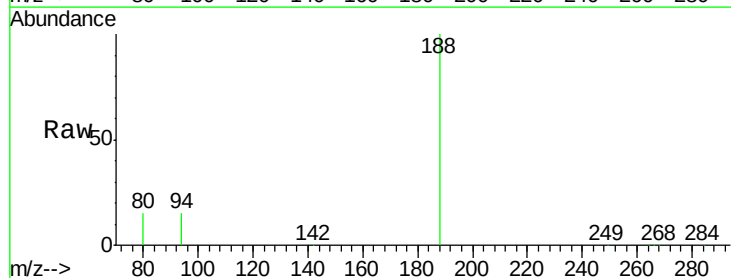
Instrument :
 BNA_E
 ClientSampleId :
 MW2-022515

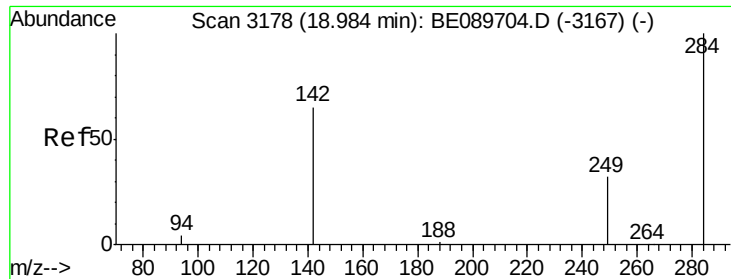
Tgt Ion:184 Resp: 33
 Ion Ratio Lower Upper
 184 100
 63 494.7 82.4 123.6#
 154 110.5 61.4 92.2#



#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.76 min Scan# 3293
 Delta R.T. 0.00 min
 Lab File: BE089712.D
 Acq: 27 Feb 2015 5:18

Tgt Ion:188 Resp: 171722
 Ion Ratio Lower Upper
 188 100
 94 14.7 12.1 18.1
 80 15.2 12.7 19.1

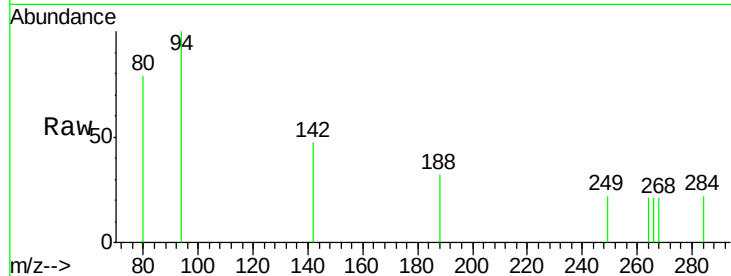




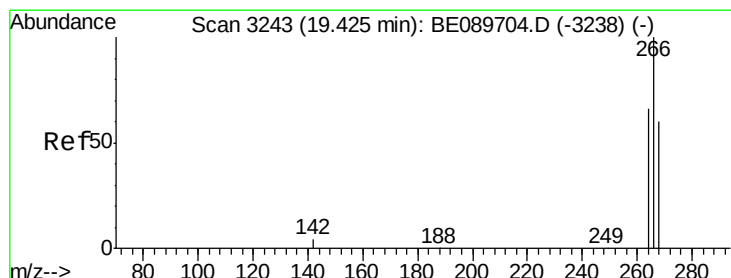
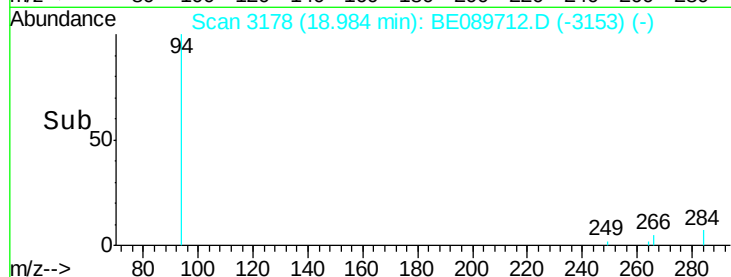
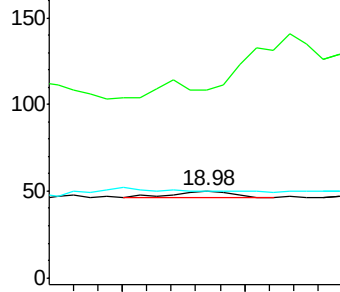
#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 18.98 min Scan# 3178
Delta R.T. 0.00 min
Lab File: BE089712.D
Acq: 27 Feb 2015 5:18

Instrument :
BNA_E
ClientSampleId :
MW2-022515

Tgt Ion: 284 Resp: 7
Ion Ratio Lower Upper
284 100
142 216.0 52.2 78.4#
249 100.0 26.4 39.6#

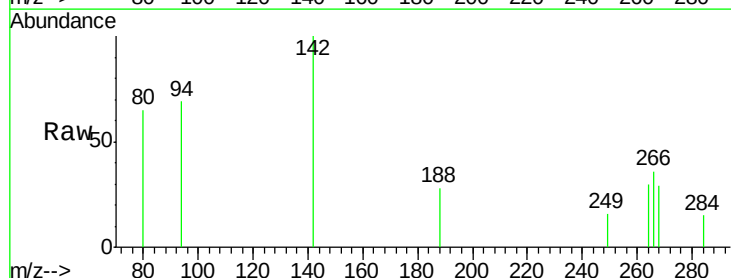


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

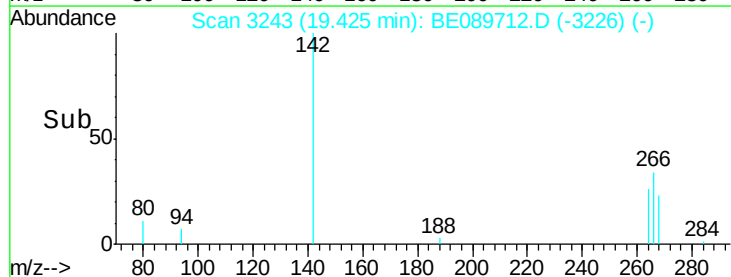
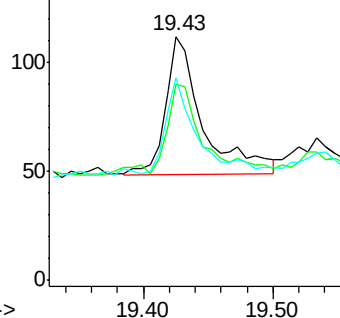


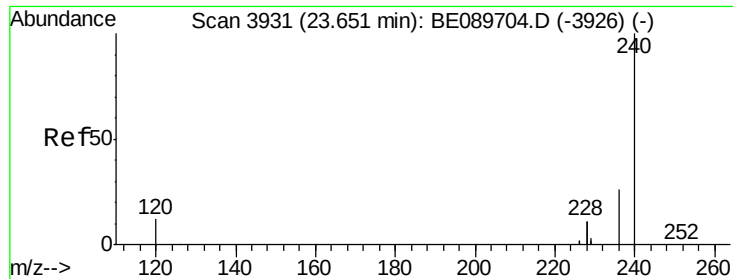
#19
Pentachlorophenol
Concen: 0.41 ng
RT: 19.43 min Scan# 3243
Delta R.T. 0.00 min
Lab File: BE089712.D
Acq: 27 Feb 2015 5:18

Tgt Ion: 266 Resp: 128
Ion Ratio Lower Upper
266 100
268 80.4 51.4 77.2#
264 83.0 55.8 83.8



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





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.65 min Scan# 3931

Delta R.T. 0.00 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

Instrument :

BNA_E

ClientSampleId :

MW2-022515

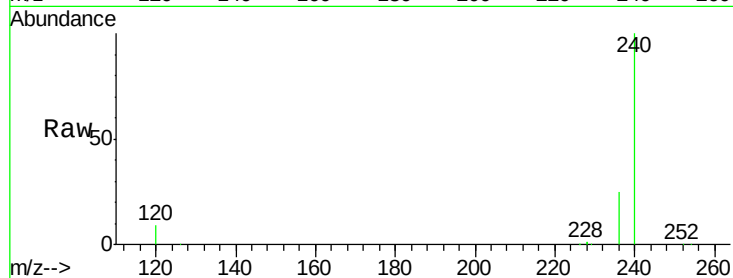
Tgt Ion:240 Resp: 139174

Ion Ratio Lower Upper

240 100

120 9.2 9.9 14.9#

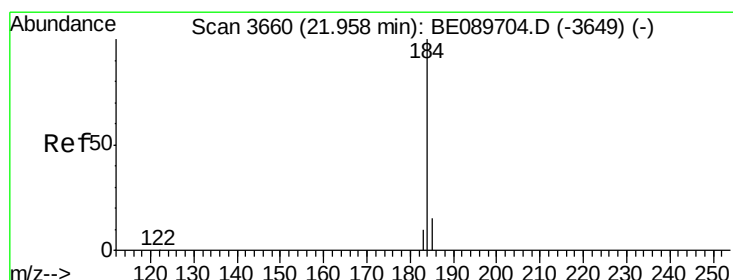
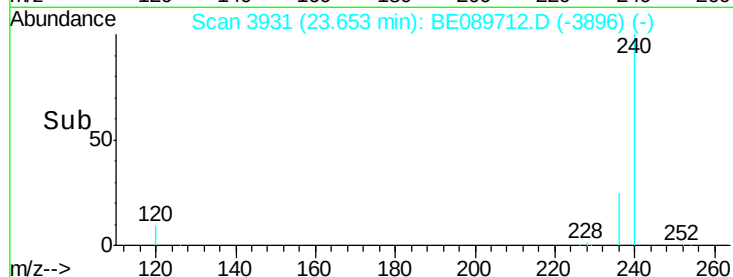
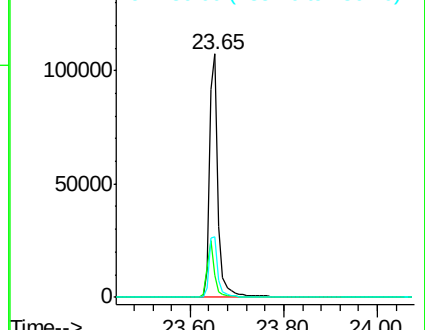
236 24.7 21.0 31.6



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



#21

Benzidine

Concen: 0.23 ng

RT: 21.96 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

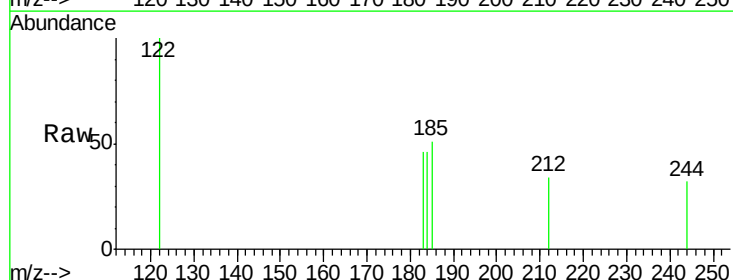
Tgt Ion:184 Resp: 7

Ion Ratio Lower Upper

184 100

185 112.7 12.8 19.2#

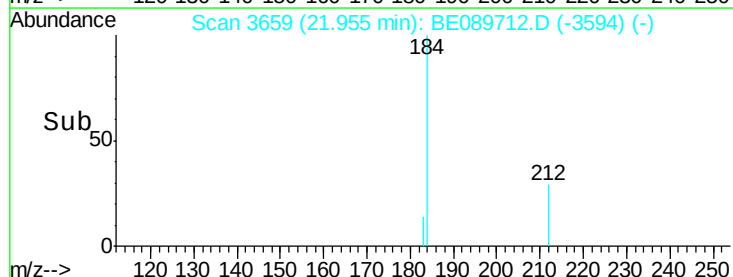
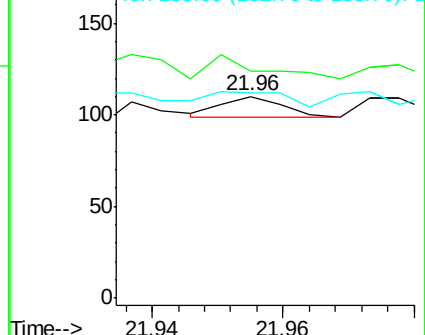
183 101.8 8.8 13.2#

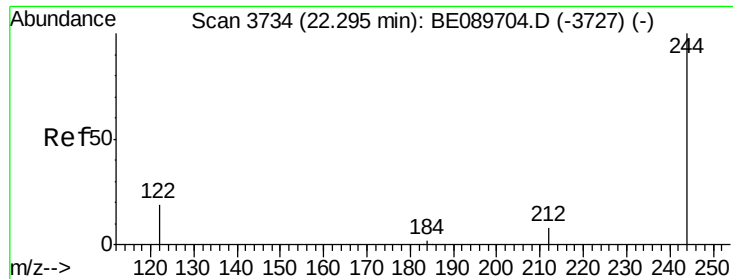


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

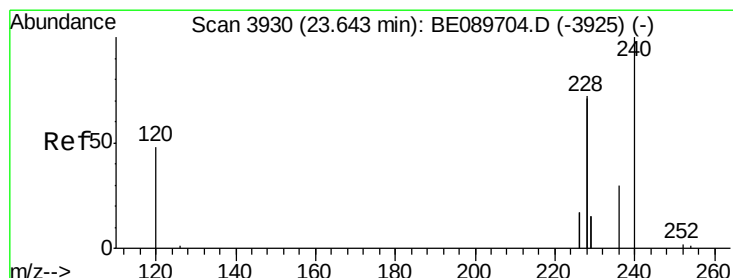
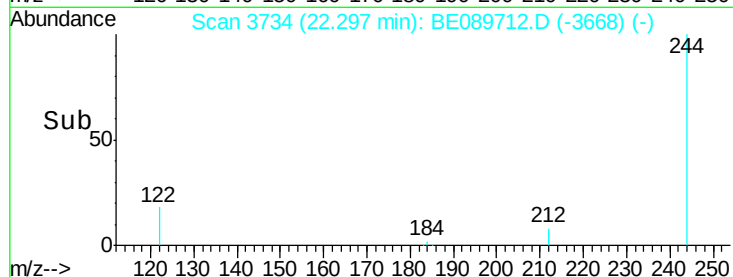
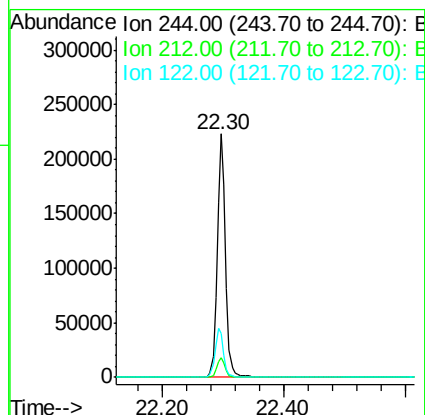
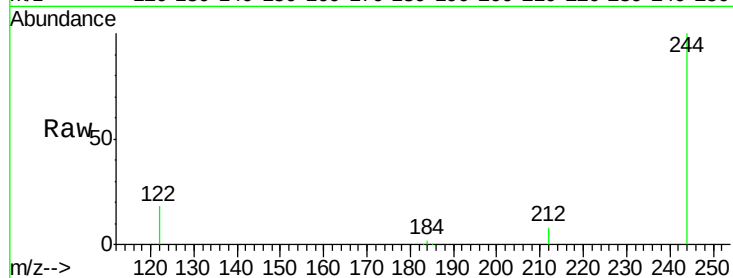




#22
 Terphenyl-d14
 Concen: 12.81 ng
 RT: 22.30 min Scan# 3734
 Delta R.T. 0.00 min
 Lab File: BE089712.D
 Acq: 27 Feb 2015 5:18

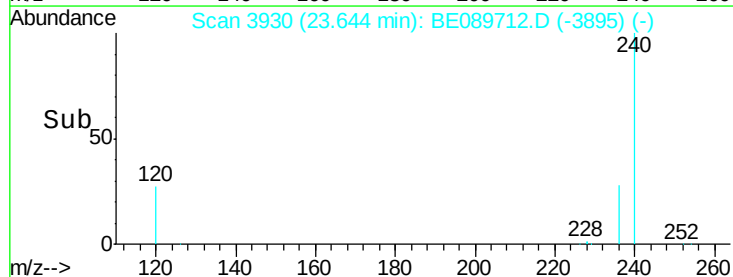
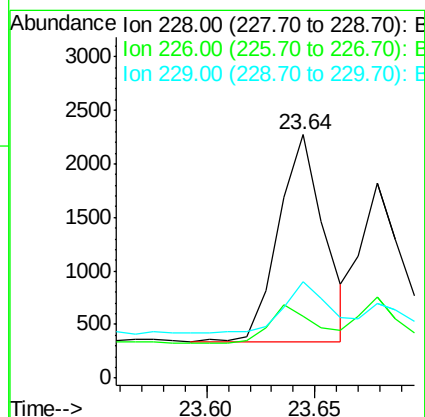
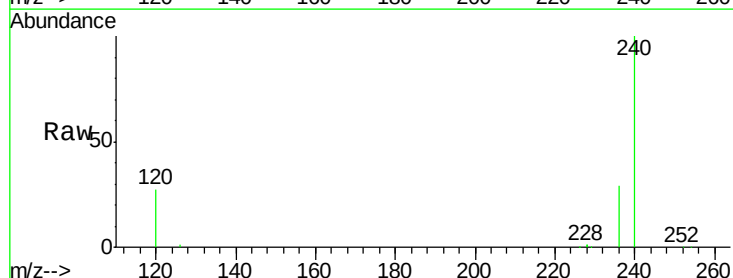
Instrument :
 BNA_E
 ClientSampleId :
 MW2-022515

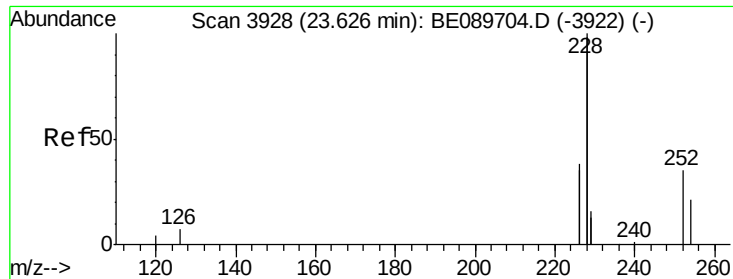
Tgt Ion:244 Resp: 216119
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.7 10.1
 122 17.9 15.7 23.5



#23
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 23.64 min Scan# 3930
 Delta R.T. 0.00 min
 Lab File: BE089712.D
 Acq: 27 Feb 2015 5:18

Tgt Ion:228 Resp: 2829
 Ion Ratio Lower Upper
 228 100
 226 25.4 19.3 28.9
 229 39.4 16.6 25.0#

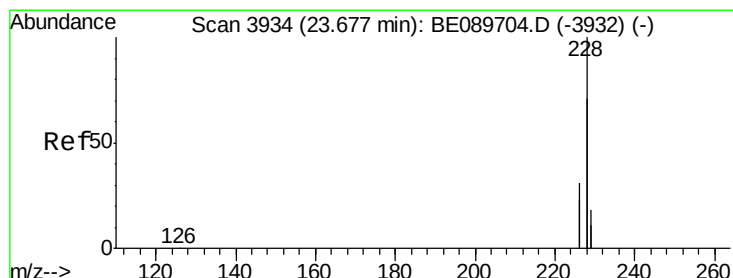
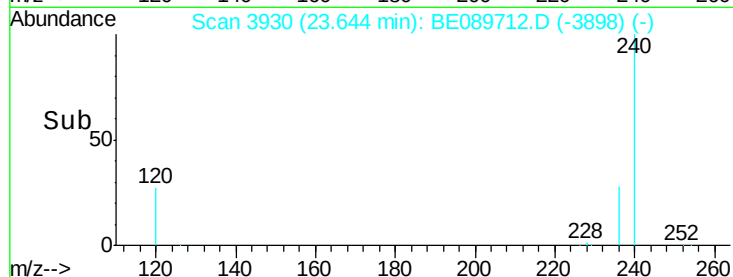
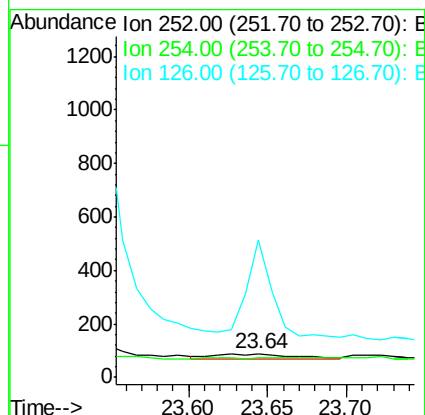
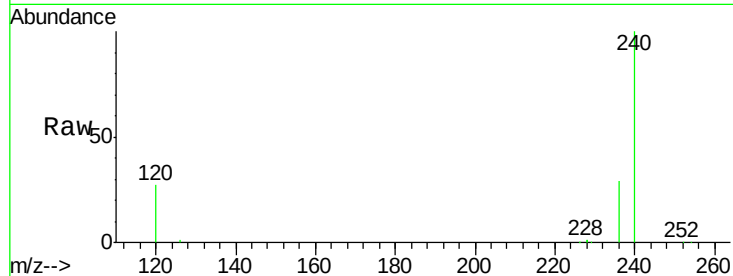




#24
 3,3'-Dichlorobenzidine
 Concen: 0.43 ng
 RT: 23.64 min Scan# 3930
 Delta R.T. 0.02 min
 Lab File: BE089712.D
 Acq: 27 Feb 2015 5:18

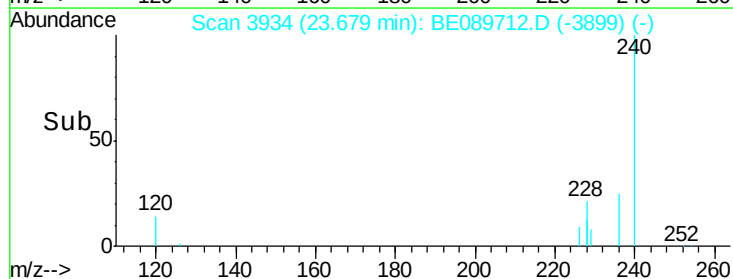
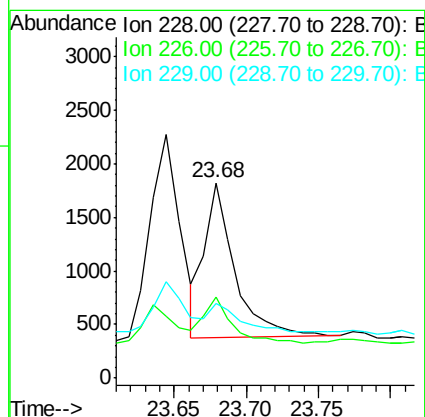
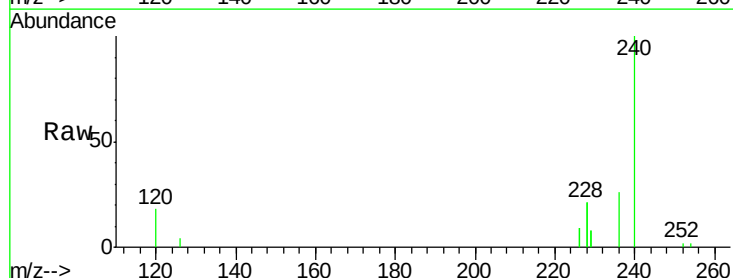
Instrument :
 BNA_E
 ClientSampleId :
 MW2-022515

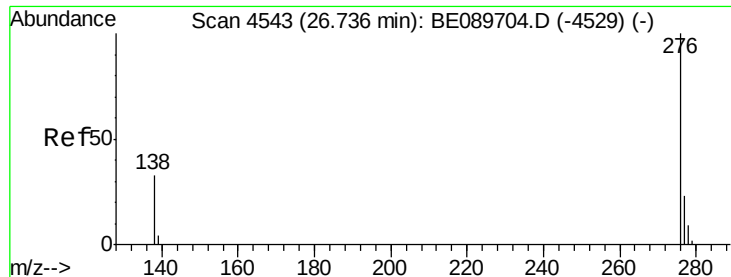
Tgt Ion: 252 Resp: 72
 Ion Ratio Lower Upper
 252 100
 254 81.1 49.4 74.2#
 126 568.9 17.4 26.2#



#25
 Chrysene
 Concen: 0.02 ng
 RT: 23.68 min Scan# 3934
 Delta R.T. 0.00 min
 Lab File: BE089712.D
 Acq: 27 Feb 2015 5:18

Tgt Ion: 228 Resp: 2113
 Ion Ratio Lower Upper
 228 100
 226 41.3 24.7 37.1#
 229 38.3 14.4 21.6#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng

RT: 26.96 min Scan# 4592

Delta R.T. 0.22 min

Lab File: BE089712.D

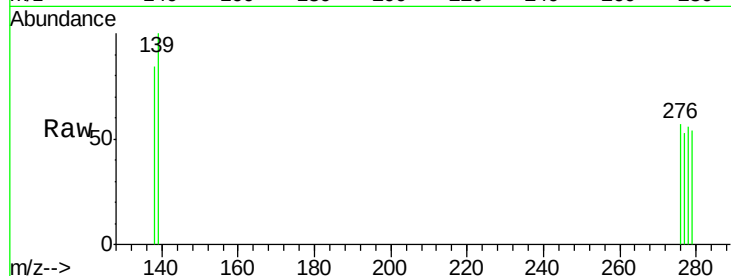
Acq: 27 Feb 2015 5:18

Instrument :

BNA_E

ClientSampleId :

MW2-022515



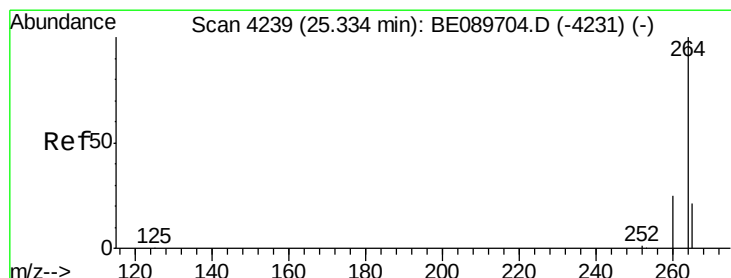
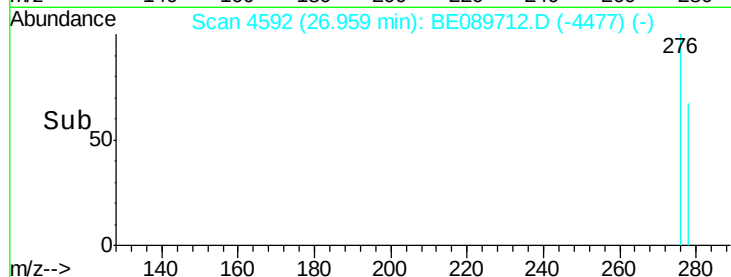
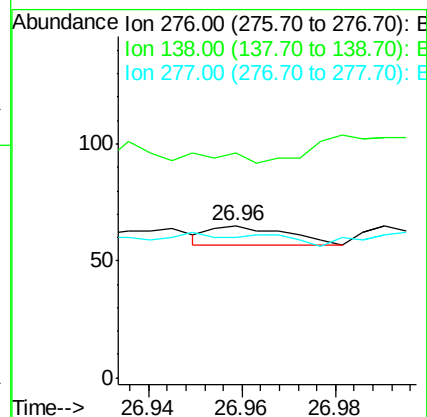
Tgt Ion: 276 Resp: 9

Ion Ratio Lower Upper

276 100

138 33.3 29.8 44.6

277 22.2 19.8 29.6



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.33 min Scan# 4239

Delta R.T. 0.00 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

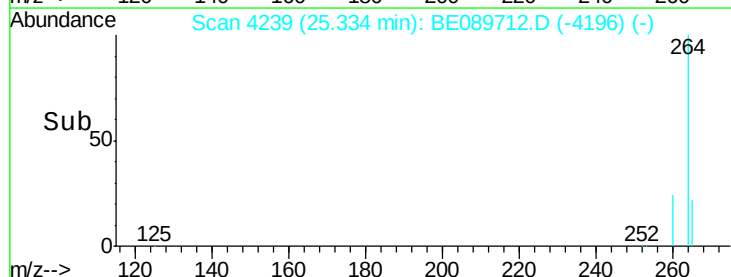
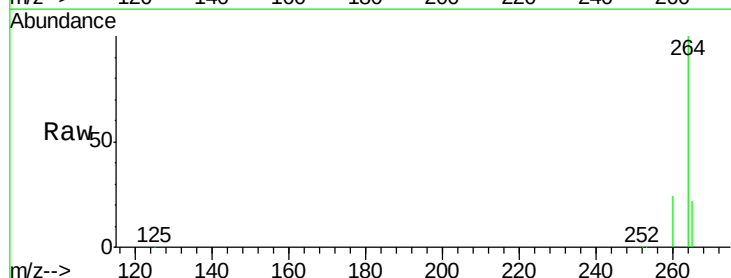
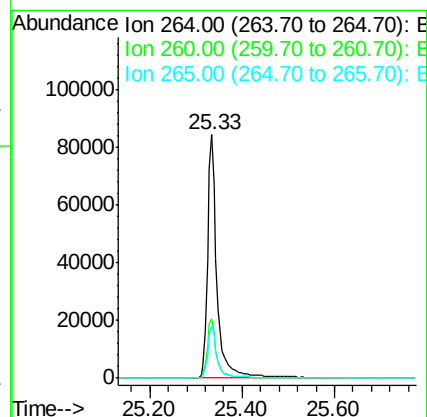
Tgt Ion: 264 Resp: 116990

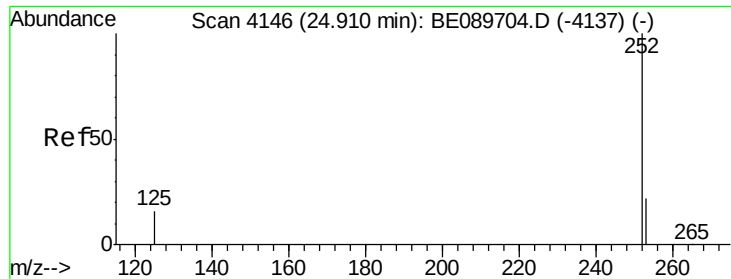
Ion Ratio Lower Upper

264 100

260 24.3 20.2 30.2

265 21.7 16.9 25.3

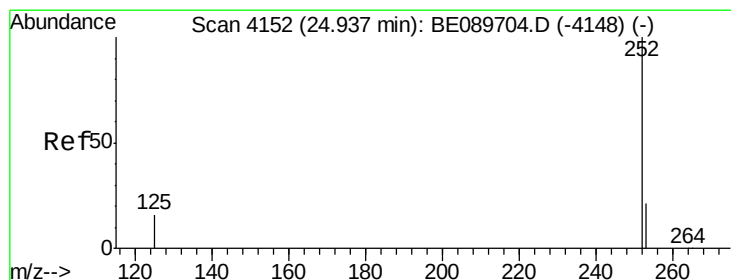
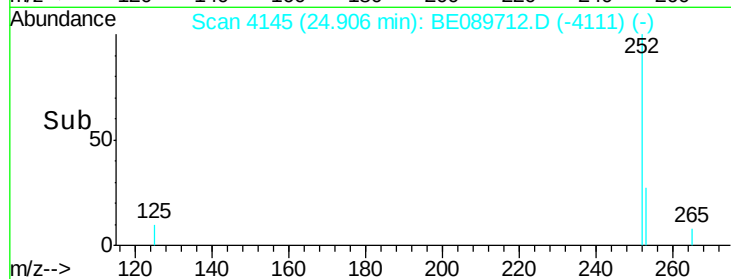
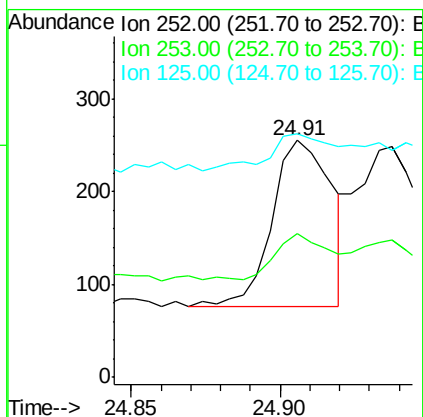
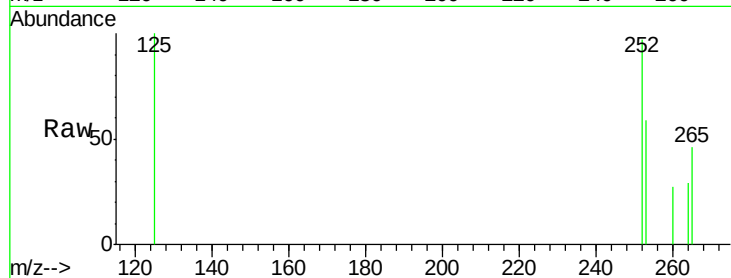




#28
Benzo(b)fluoranthene
Concen: 0.42 ng
RT: 24.91 min Scan# 4145
Delta R.T. -0.00 min
Lab File: BE089712.D
Acq: 27 Feb 2015 5:18

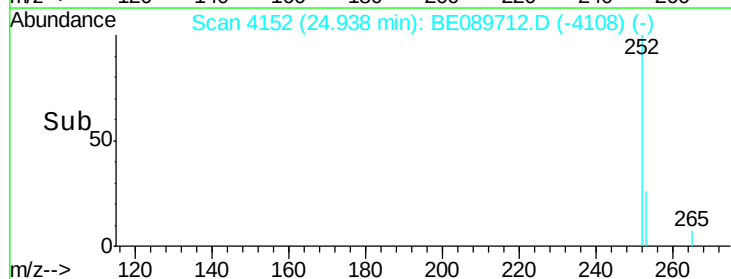
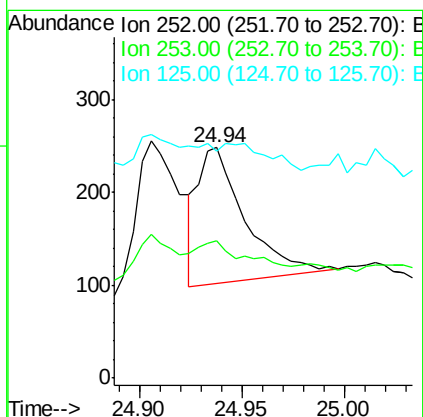
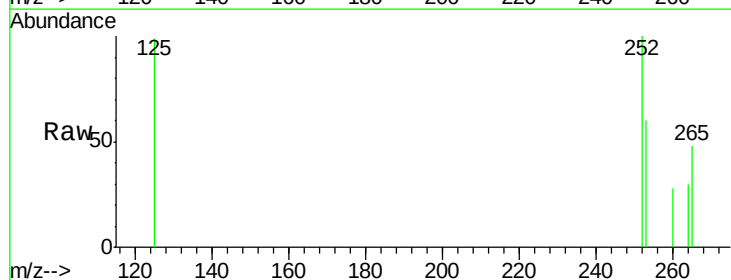
Instrument :
BNA_E
ClientSampleId :
MW2-022515

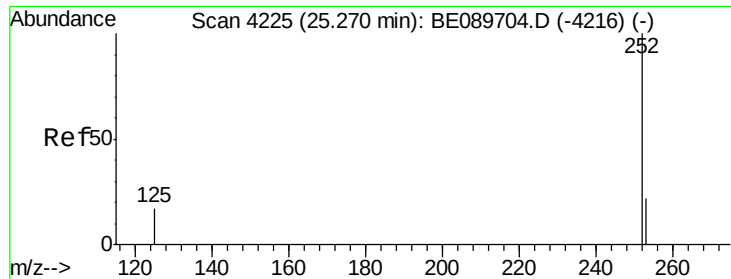
Tgt Ion: 252 Resp: 249
Ion Ratio Lower Upper
252 100
253 60.8 17.8 26.6#
125 102.7 12.9 19.3#



#29
Benzo(k)fluoranthene
Concen: 0.12 ng
RT: 24.94 min Scan# 4152
Delta R.T. 0.00 min
Lab File: BE089712.D
Acq: 27 Feb 2015 5:18

Tgt Ion: 252 Resp: 234
Ion Ratio Lower Upper
252 100
253 59.7 17.3 25.9#
125 98.8 12.9 19.3#





#30

Benzo(a)pyrene

Concen: 0.38 ng

RT: 25.27 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

Instrument :

BNA_E

ClientSampleId :

MW2-022515

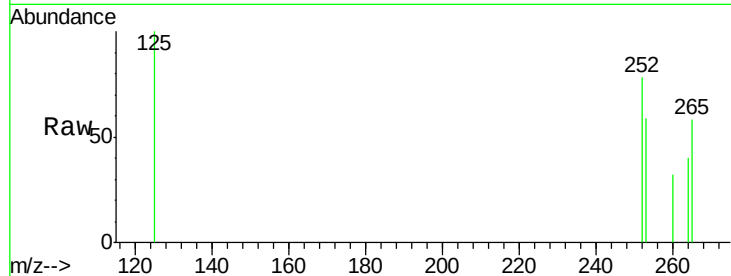
Tgt Ion: 252 Resp: 156

Ion Ratio Lower Upper

252 100

253 76.1 17.9 26.9#

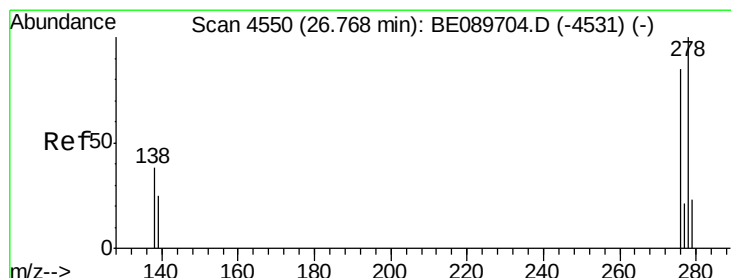
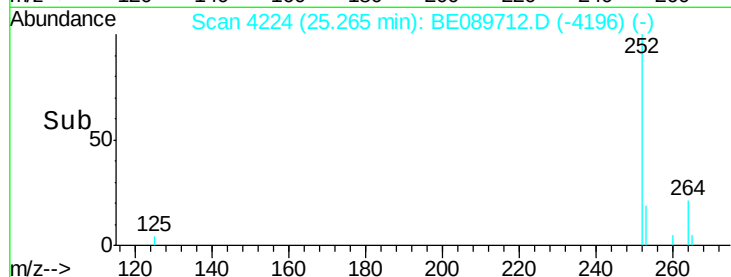
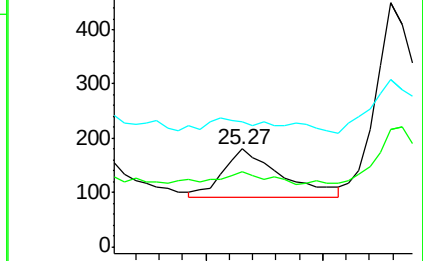
125 128.3 14.0 21.0#



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



#31

Dibenzo(a,h)anthracene

Concen: 0.40 ng

RT: 26.76 min Scan# 4549

Delta R.T. -0.00 min

Lab File: BE089712.D

Acq: 27 Feb 2015 5:18

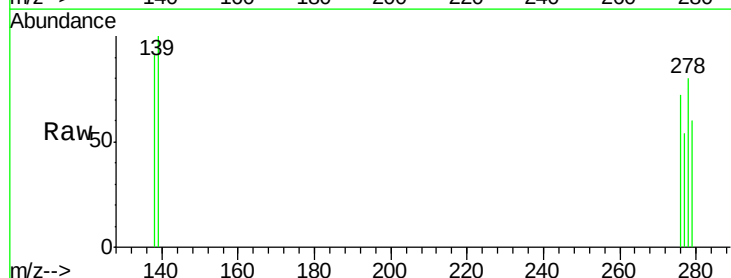
Tgt Ion: 278 Resp: 104

Ion Ratio Lower Upper

278 100

139 125.8 21.1 31.7#

279 75.3 19.3 28.9#



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

