

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089711.D
 Acq On : 27 Feb 2015 4:39
 Operator : TP/JJ
 Sample : G1382-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW1-022515

Quant Time: Feb 27 05:24:20 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	50194	5.00	ng	0.00
7) Naphthalene-d8	12.23	136	209503	5.00	ng	0.00
13) Acenaphthene-d10	16.40	164	94541	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	172350	5.00	ng	0.00
20) Chrysene-d12	23.65	240	131021	5.00	ng	0.00
27) Perylene-d12	25.33	264	92530	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.50	112	73364	6.04	ng	0.01
4) Phenol-d6	8.61	99	55087	3.34	ng	0.00
8) Nitrobenzene-d5	10.60	82	126818	9.76	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	18042	11.13	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	222449	10.59	ng	0.00
22) Terphenyl-d14	22.30	244	204674	12.89	ng	0.00

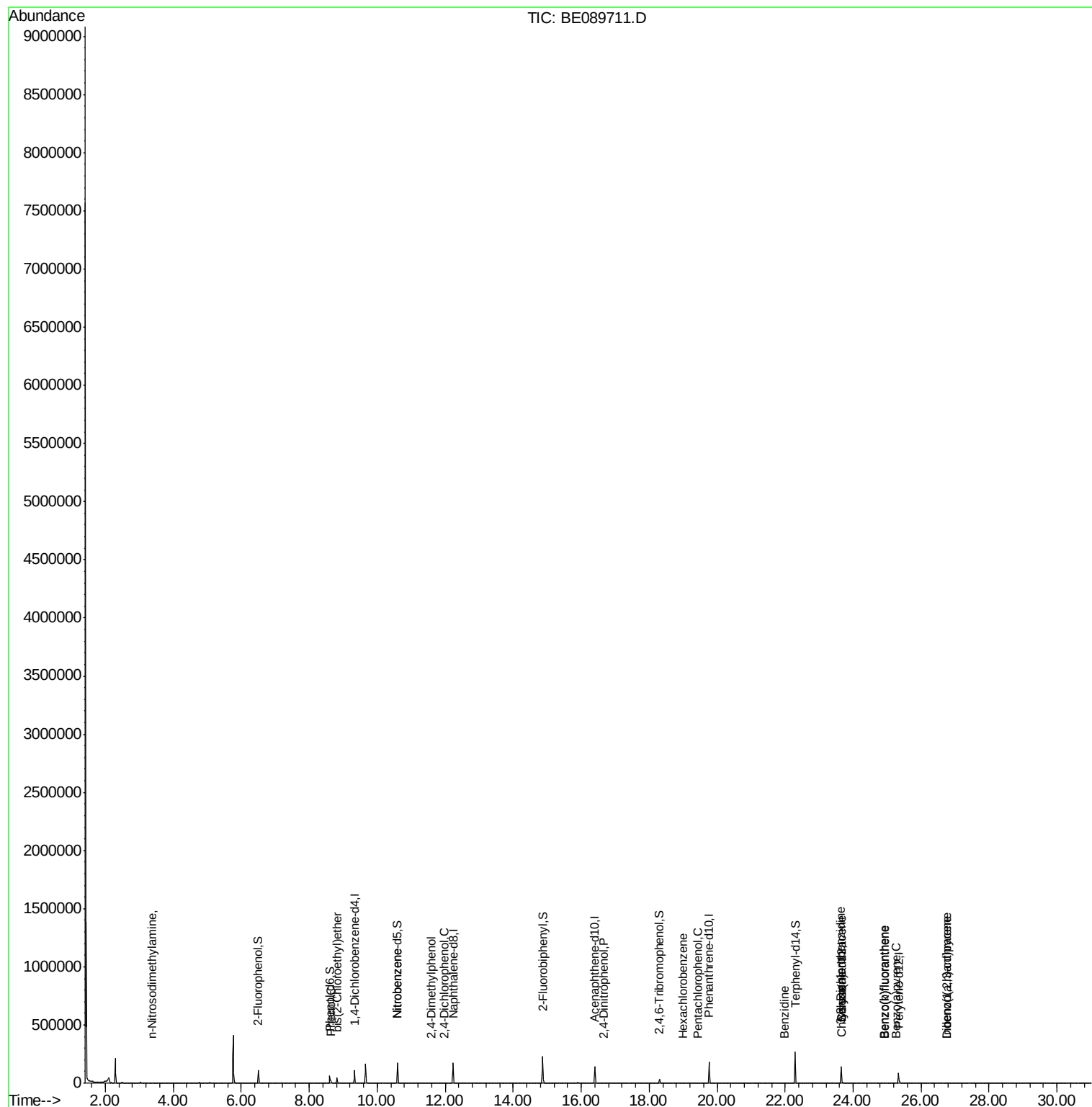
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.38	42	5	0.16	ng	# 1
5) Phenol	8.64	94	10483	0.58	ng	# 57
6) bis(2-Chloroethyl)ether	8.81	93	217	0.02	ng	# 1
9) Nitrobenzene	10.60	77	482	0.04	ng	# 37
10) 2,4-Dimethylphenol	11.58	122	27	0.00	ng	# 80
11) 2,4-Dichlorophenol	11.96	162	30	0.00	ng	# 16
16) 2,4-Dinitrophenol	16.67	184	12	0.34	ng	# 64
18) Hexachlorobenzene	18.98	284	7	0.00	ng	# 12
19) Pentachlorophenol	19.43	266	73	0.34	ng	# 81
21) Benzidine	21.98	184	41	0.24	ng	# 1
23) Benzo(a)anthracene	23.64	228	1941	0.02	ng	# 86
24) 3,3'-Dichlorobenzidine	23.64	252	68	0.43	ng	# 1
25) Chrysene	23.68	228	1032	0.01	ng	# 59
26) Indeno(1,2,3-cd)pyrene	26.74	276	111	0.38	ng	# 82
28) Benzo(b)fluoranthene	24.91	252	61	0.41	ng	# 1
29) Benzo(k)fluoranthene	24.93	252	99	0.11	ng	# 1
30) Benzo(a)pyrene	25.27	252	58	0.37	ng	# 1
31) Dibenzo(a,h)anthracene	26.76	278	124	0.41	ng	# 1

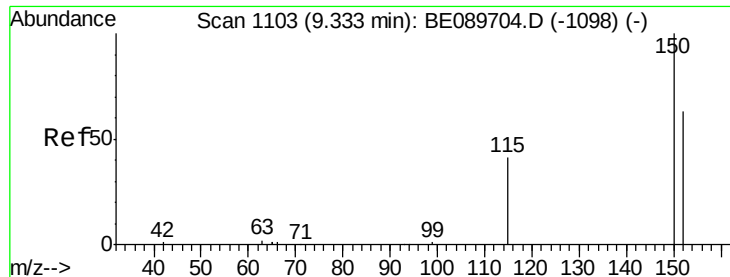
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

Instrument :

BNA_E

ClientSampleId :

MW1-022515

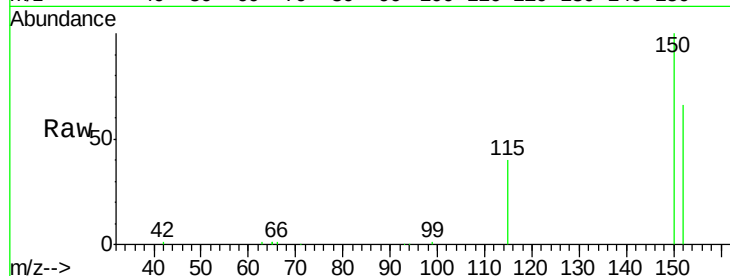
Tgt Ion: 152 Resp: 50194

Ion Ratio Lower Upper

152 100

150 151.8 127.3 190.9

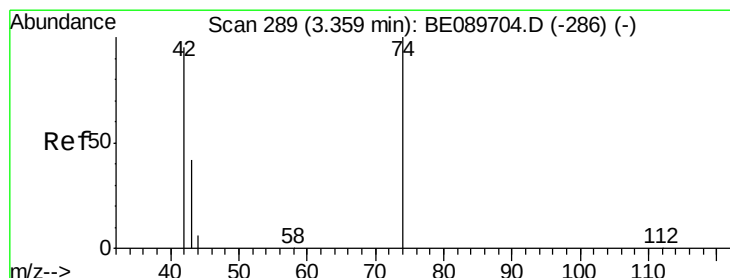
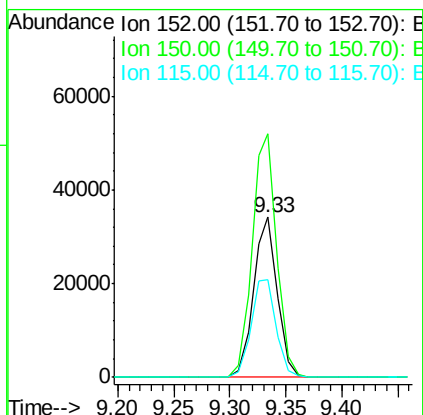
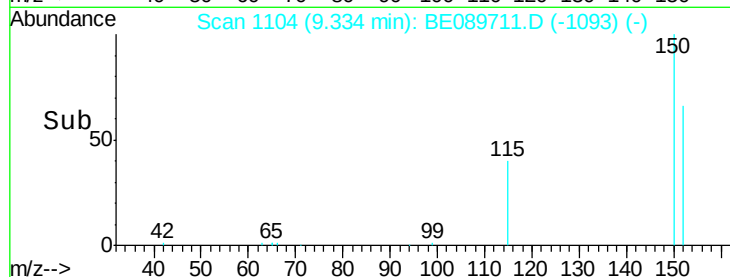
115 61.0 52.0 78.0



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: 0.16 ng

RT: 3.38 min Scan# 292

Delta R.T. 0.02 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

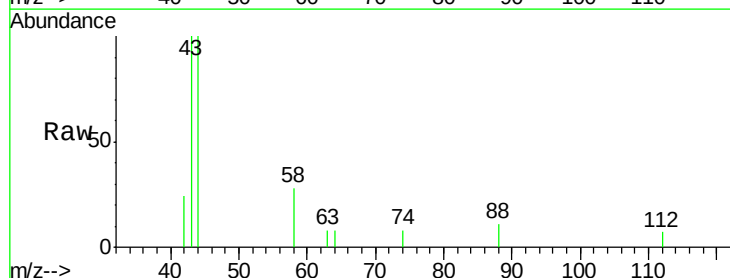
Tgt Ion: 42 Resp: 5

Ion Ratio Lower Upper

42 100

74 32.7 83.8 125.8#

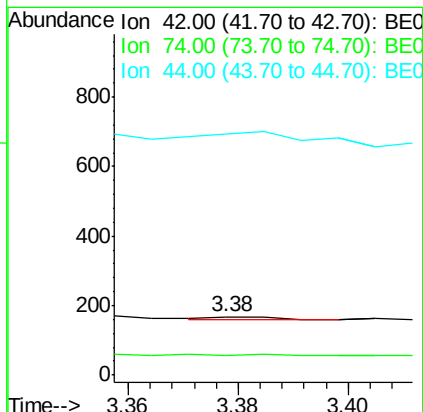
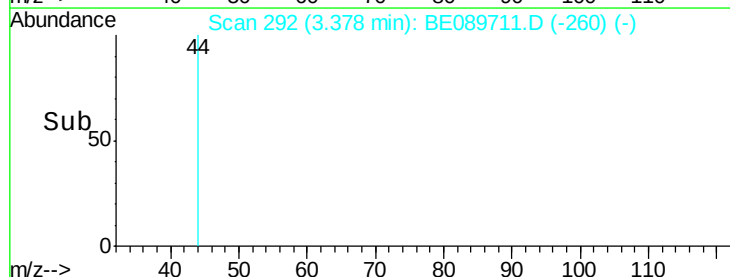
44 411.9 19.0 28.6#

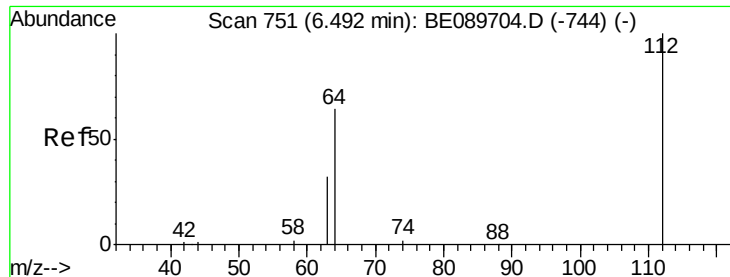


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

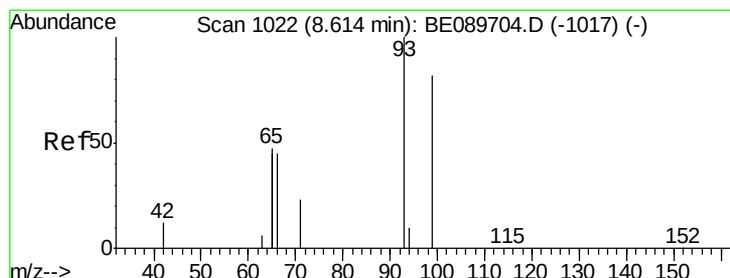
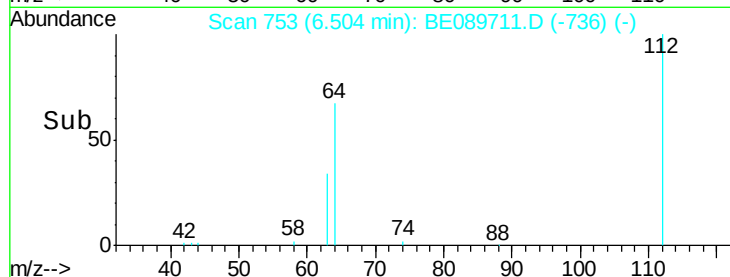
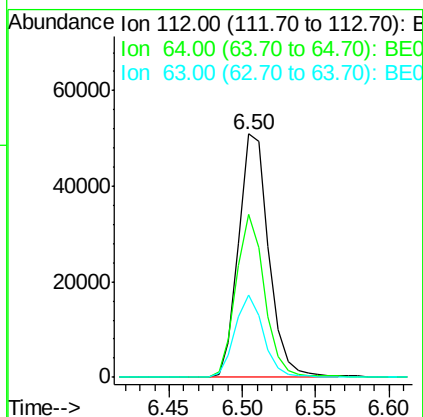
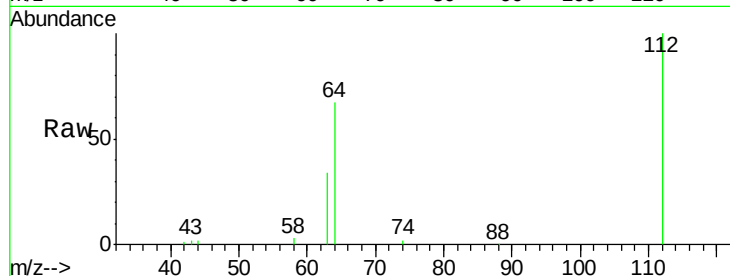




#3
 2-Fluorophenol
 Concen: 6.04 ng
 RT: 6.50 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: BE089711.D
 Acq: 27 Feb 2015 4:39

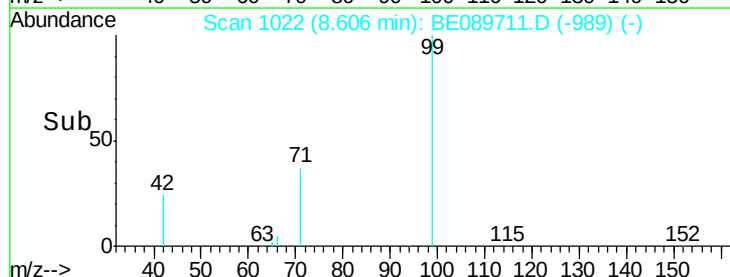
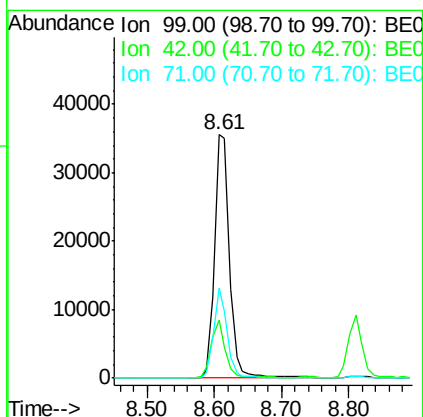
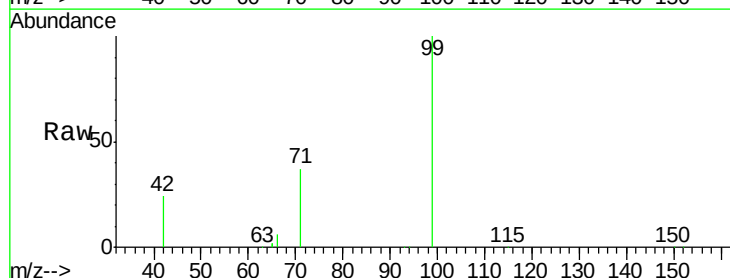
Instrument :
 BNA_E
 ClientSampleId :
 MW1-022515

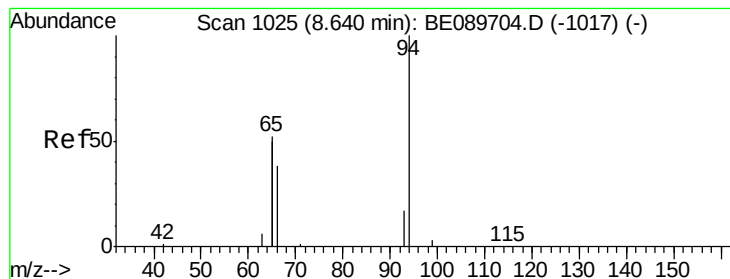
Tgt Ion: 112 Resp: 73364
 Ion Ratio Lower Upper
 112 100
 64 67.0 51.3 76.9
 63 34.1 26.2 39.2



#4
 Phenol-d6
 Concen: 3.34 ng
 RT: 8.61 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BE089711.D
 Acq: 27 Feb 2015 4:39

Tgt Ion: 99 Resp: 55087
 Ion Ratio Lower Upper
 99 100
 42 24.1 12.3 18.5#
 71 36.9 22.9 34.3#





#5

Phenol

Concen: 0.58 ng

RT: 8.64 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

Instrument :

BNA_E

ClientSampleId :

MW1-022515

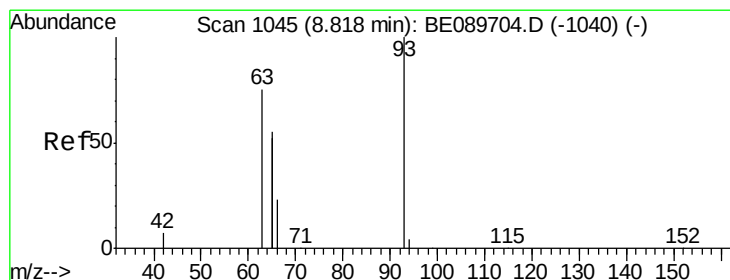
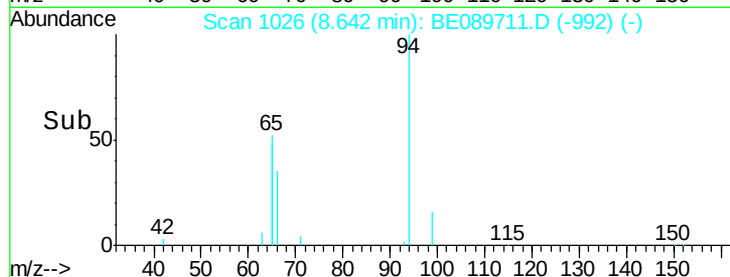
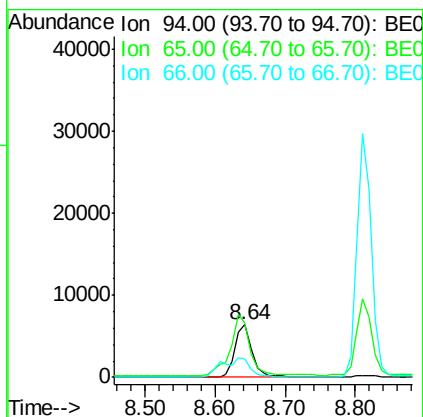
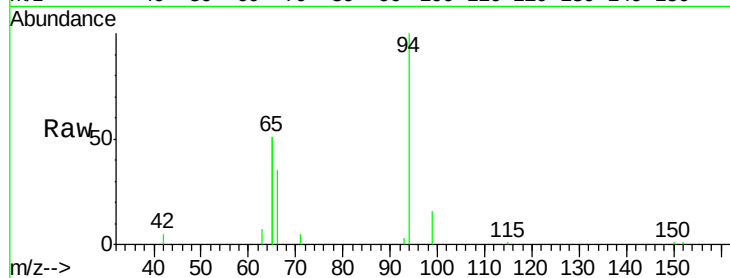
Tgt Ion: 94 Resp: 10483

Ion Ratio Lower Upper

94 100

65 102.4 31.7 71.7#

66 35.4 17.9 57.9



#6

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 8.81 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

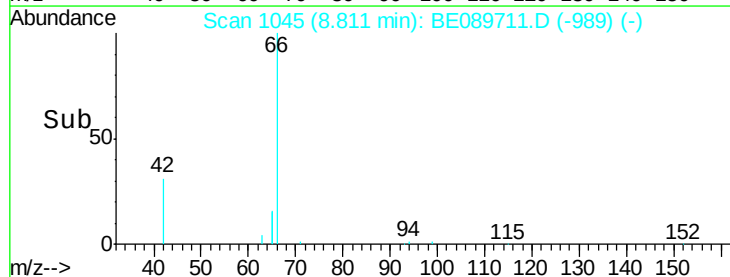
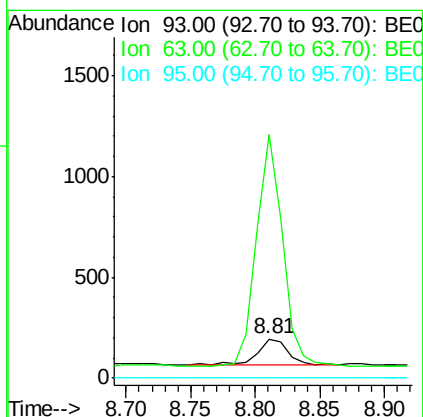
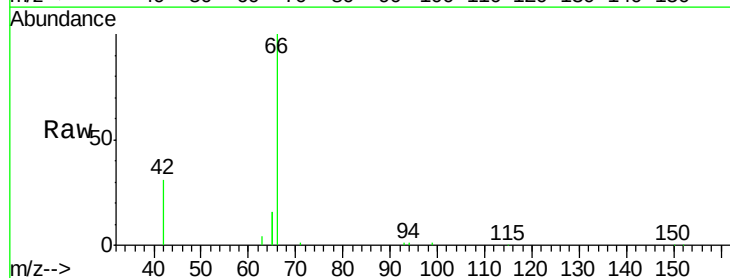
Tgt Ion: 93 Resp: 217

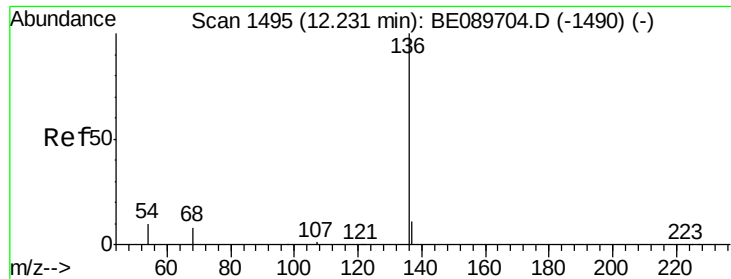
Ion Ratio Lower Upper

93 100

63 753.5 83.8 125.8#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

Instrument :

BNA_E

ClientSampleId :

MW1-022515

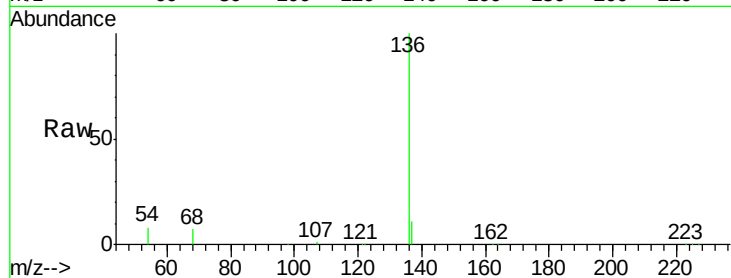
Tgt Ion: 136 Resp: 209503

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

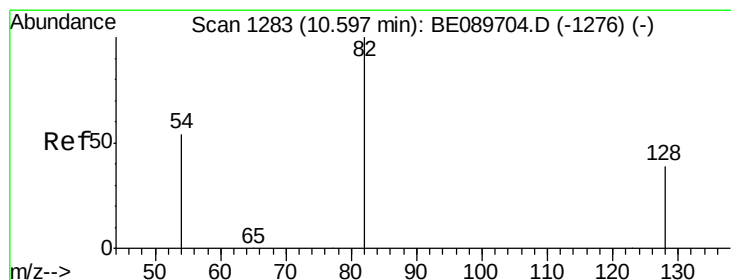
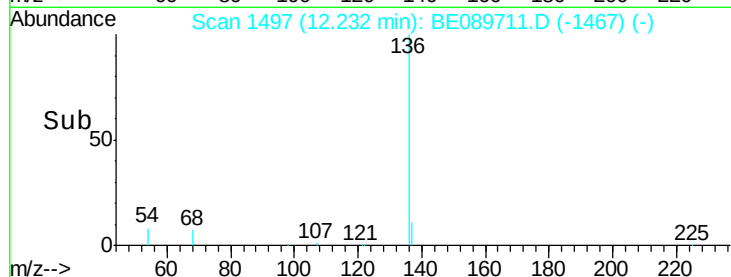
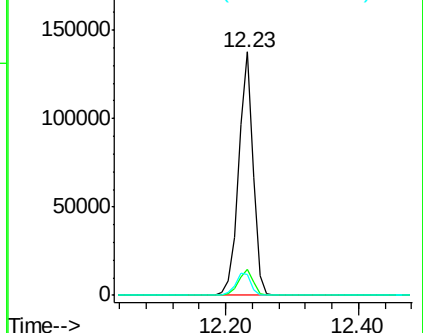
54 8.3 8.1 12.1



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: 9.76 ng

RT: 10.60 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

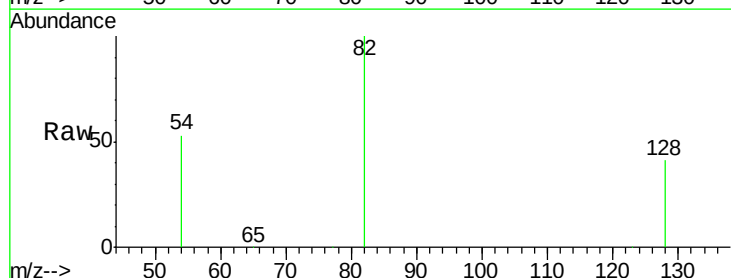
Tgt Ion: 82 Resp: 126818

Ion Ratio Lower Upper

82 100

128 40.9 31.4 47.2

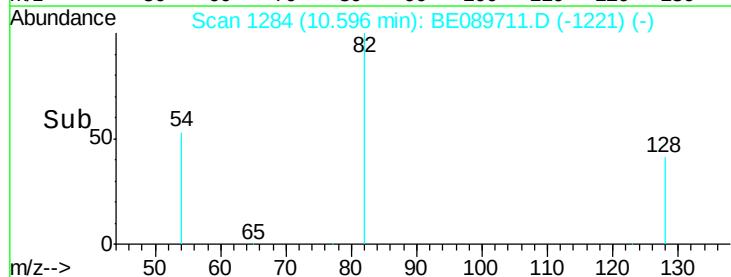
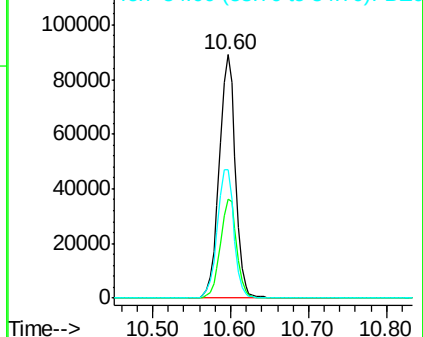
54 52.7 43.8 65.8

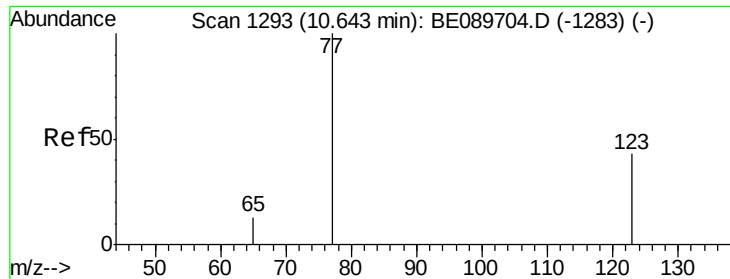


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.04 ng

RT: 10.60 min Scan# 1284

Delta R.T. -0.05 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

Instrument :

BNA_E

ClientSampleId :

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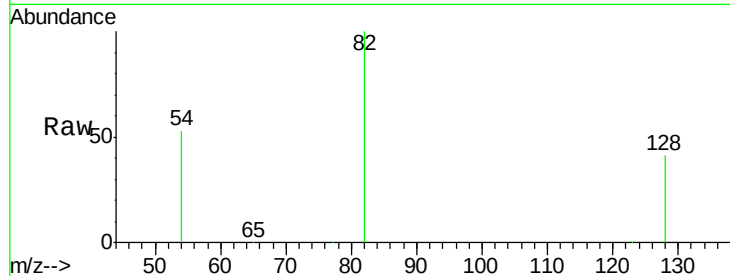
Tgt Ion: 77 Resp: 482

Ion Ratio Lower Upper

77 100

123 0.0 33.2 49.8#

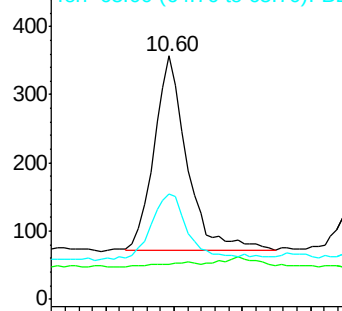
65 34.4 10.6 15.8#



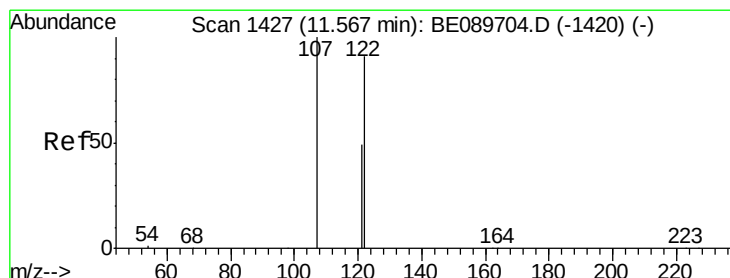
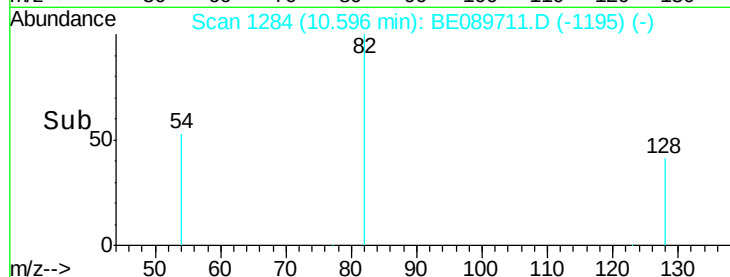
Abundance Ion 77.00 (76.70 to 77.70): BE089704.D (-1283) (-)

Ion 123.00 (122.70 to 123.70): BE089704.D (-1283) (-)

Ion 65.00 (64.70 to 65.70): BE089704.D (-1283) (-)



Time-->



#10

2,4-Dimethylphenol

Concen: 0.00 ng

RT: 11.58 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

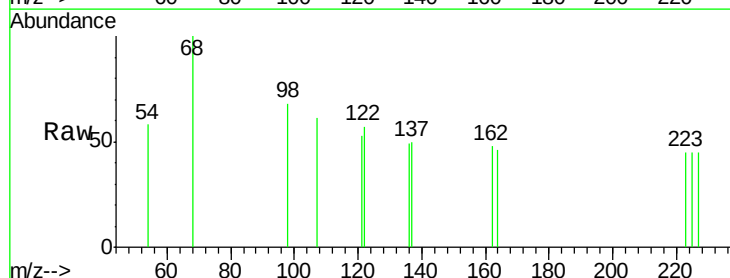
Tgt Ion: 122 Resp: 27

Ion Ratio Lower Upper

122 100

107 106.8 87.6 131.4

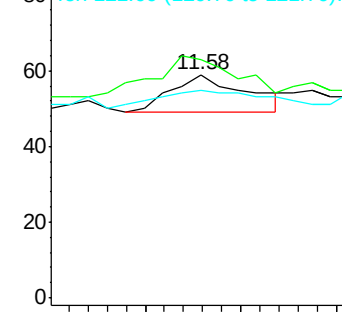
121 93.2 43.4 65.2#



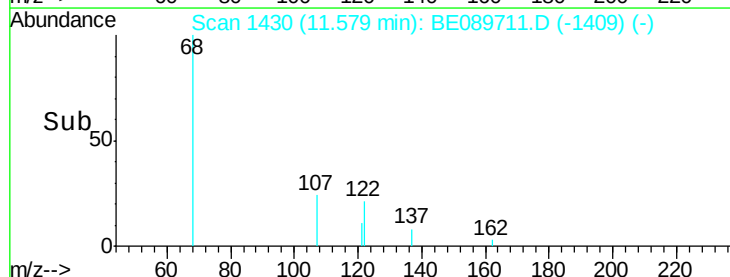
Abundance Ion 122.00 (121.70 to 122.70): BE089704.D (-1420) (-)

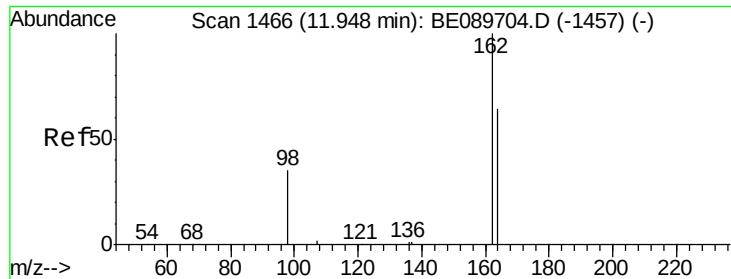
Ion 107.00 (106.70 to 107.70): BE089704.D (-1420) (-)

Ion 121.00 (120.70 to 121.70): BE089704.D (-1420) (-)



Time-->

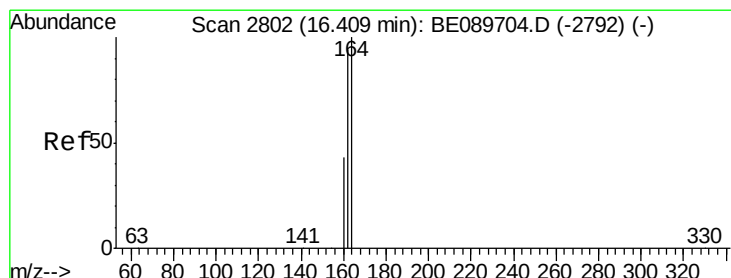
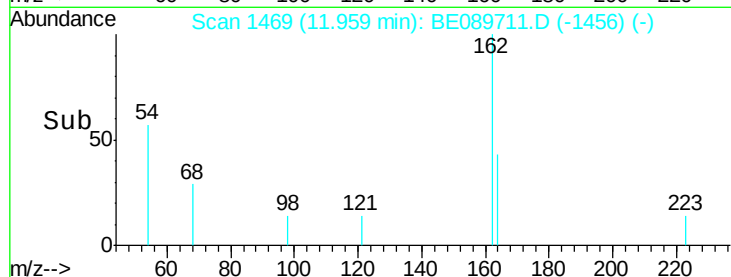
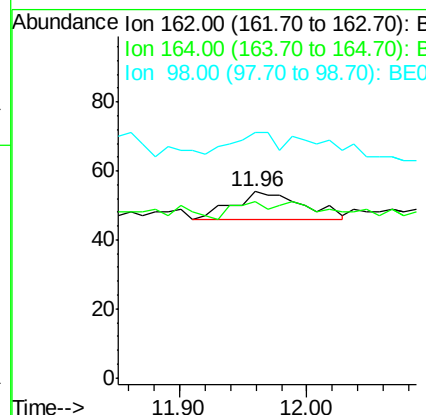
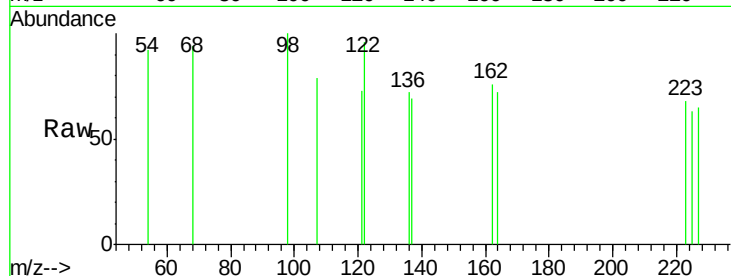




#11
2,4-Dichlorophenol
Concen: 0.00 ng
RT: 11.96 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BE089711.D
Acq: 27 Feb 2015 4:39

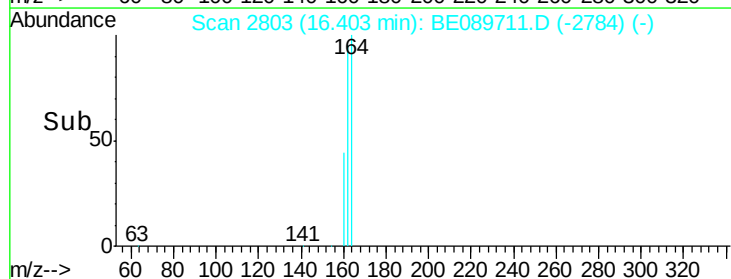
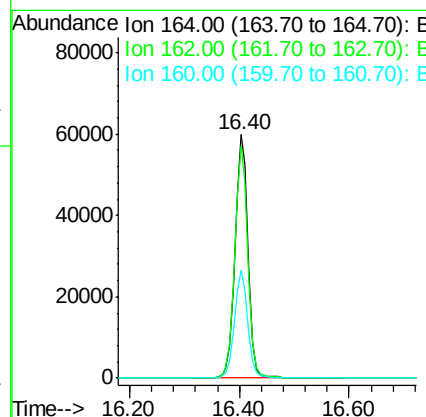
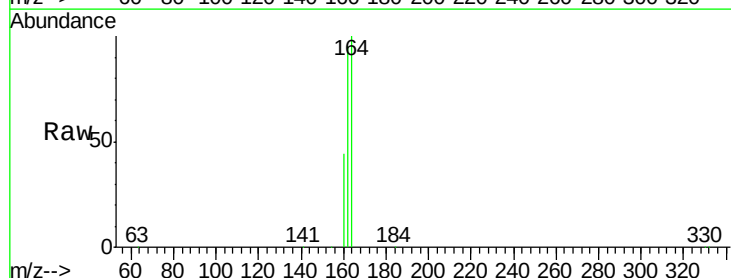
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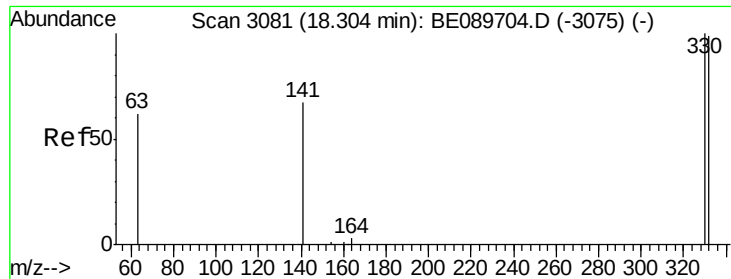
Tgt Ion:162 Resp: 30
Ion Ratio Lower Upper
162 100
164 94.4 43.9 83.9#
98 131.5 15.7 55.7#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.40 min Scan# 2803
Delta R.T. -0.01 min
Lab File: BE089711.D
Acq: 27 Feb 2015 4:39

Tgt Ion:164 Resp: 94541
Ion Ratio Lower Upper
164 100
162 95.3 75.0 112.6
160 44.3 34.3 51.5

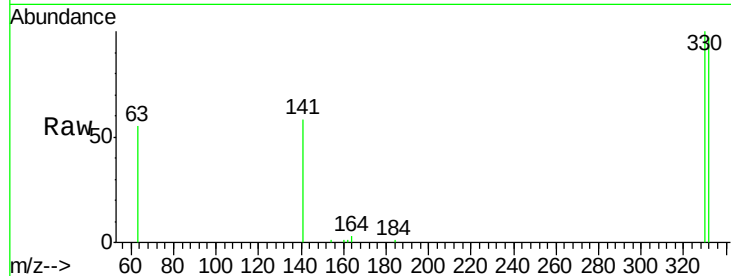




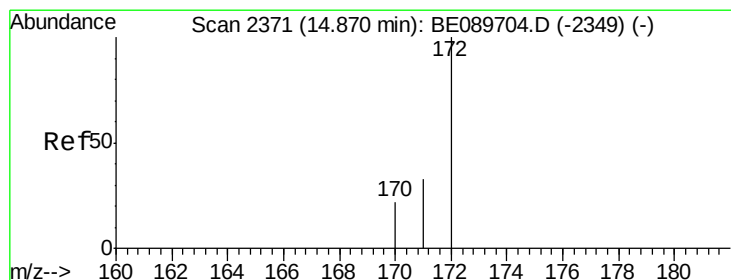
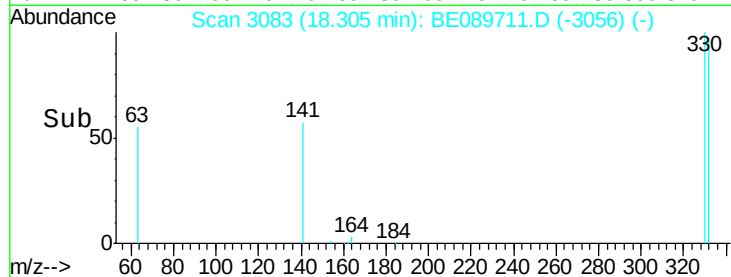
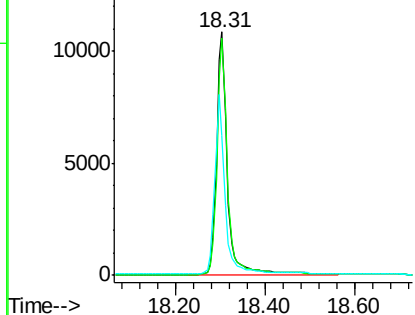
#14
 2,4,6-Tribromophenol
 Concen: 11.13 ng
 RT: 18.31 min Scan# 3083
 Delta R.T. 0.00 min
 Lab File: BE089711.D
 Acq: 27 Feb 2015 4:39

Instrument :
 BNA_E
 ClientSampleId :
 MW1-022515

Tgt Ion: 330 Resp: 18042
 Ion Ratio Lower Upper
 330 100
 332 95.9 0.0 0.0#
 141 72.4 0.0 0.0#

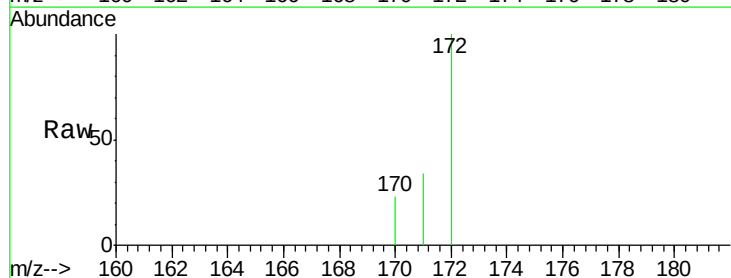


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

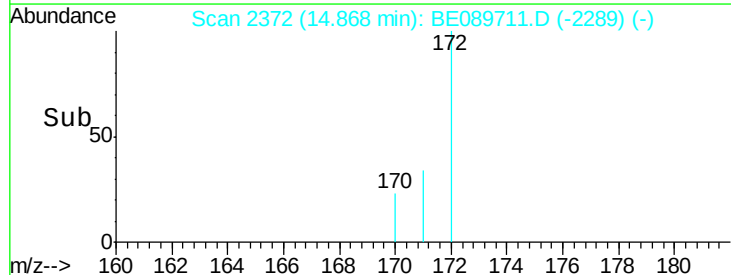
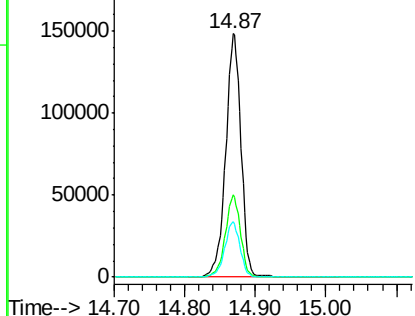


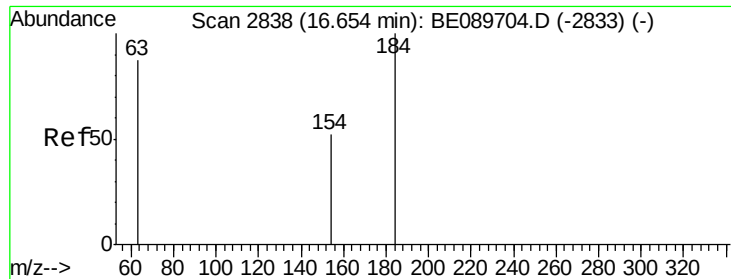
#15
 2-Fluorobiphenyl
 Concen: 10.59 ng
 RT: 14.87 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: BE089711.D
 Acq: 27 Feb 2015 4:39

Tgt Ion: 172 Resp: 222449
 Ion Ratio Lower Upper
 172 100
 171 33.9 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

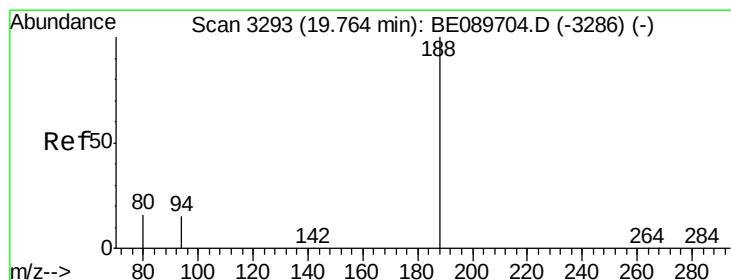
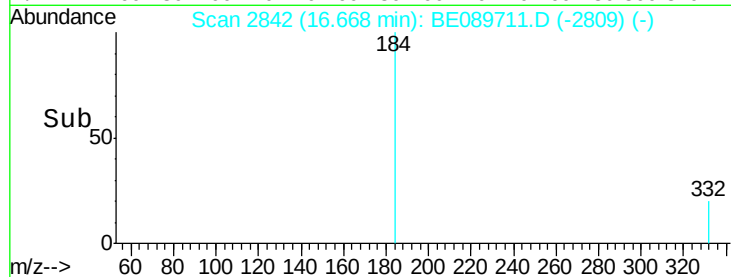
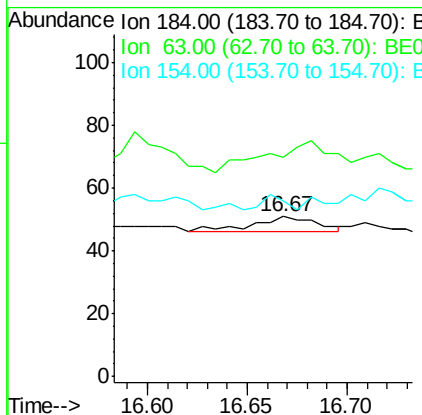
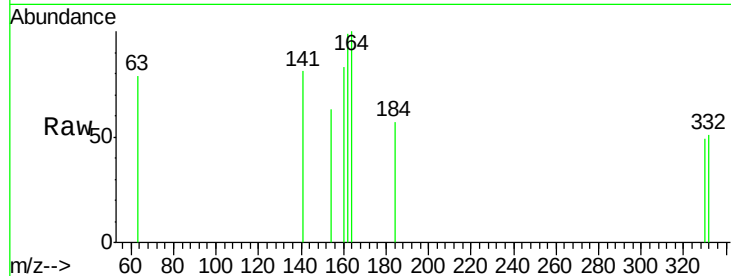




#16
 2,4-Dinitrophenol
 Concen: 0.34 ng
 RT: 16.67 min Scan# 2842
 Delta R.T. 0.02 min
 Lab File: BE089711.D
 Acq: 27 Feb 2015 4:39

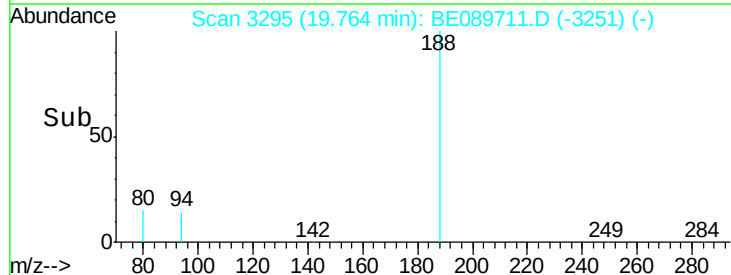
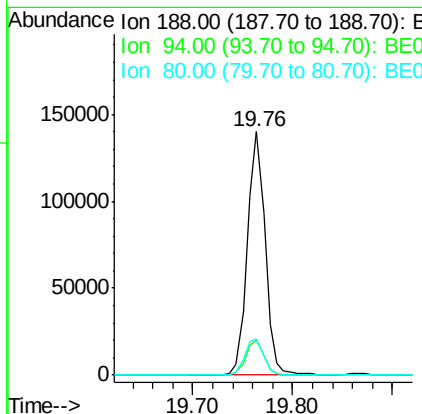
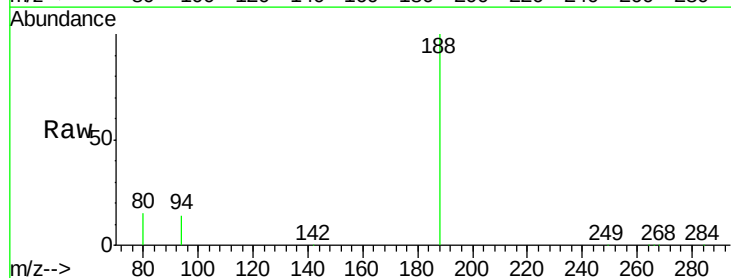
Instrument :
 BNA_E
 ClientSampleId :
 MW1-022515

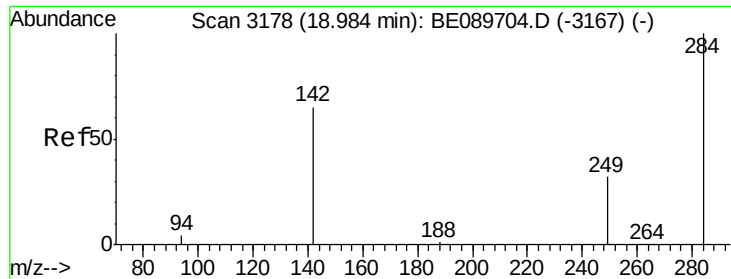
Tgt Ion:184 Resp: 12
 Ion Ratio Lower Upper
 184 100
 63 137.3 82.4 123.6#
 154 109.8 61.4 92.2#



#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.76 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: BE089711.D
 Acq: 27 Feb 2015 4:39

Tgt Ion:188 Resp: 172350
 Ion Ratio Lower Upper
 188 100
 94 14.2 12.1 18.1
 80 14.9 12.7 19.1

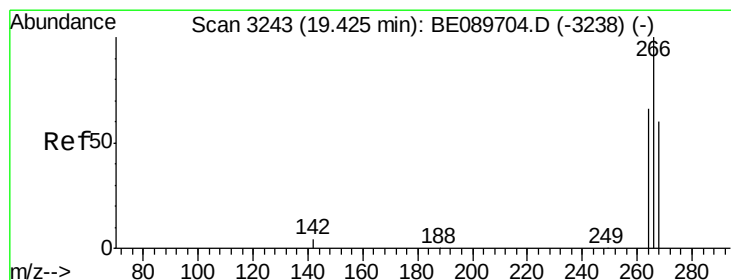
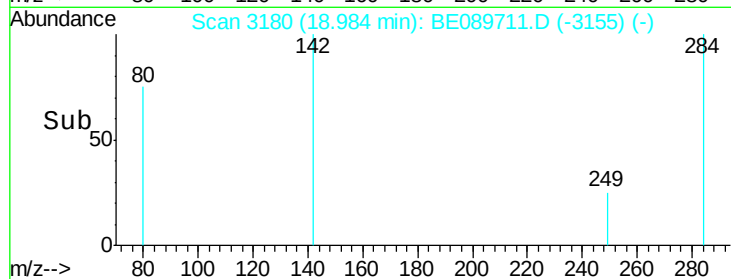
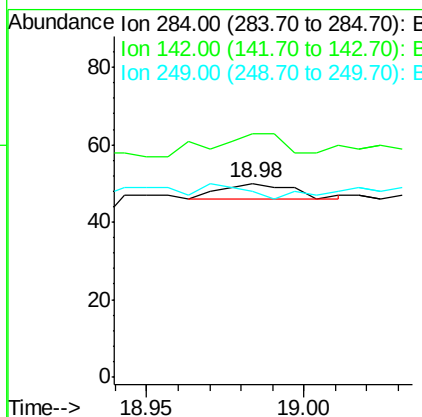
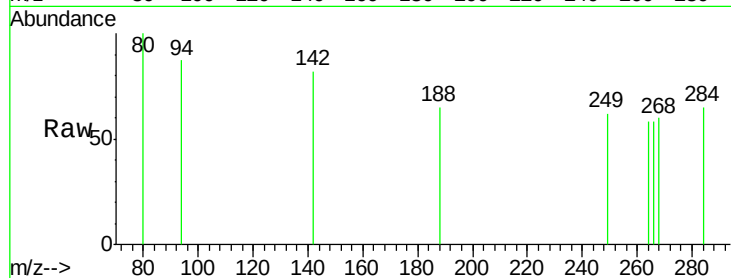




#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 18.98 min Scan# 3180
Delta R.T. -0.00 min
Lab File: BE089711.D
Acq: 27 Feb 2015 4:39

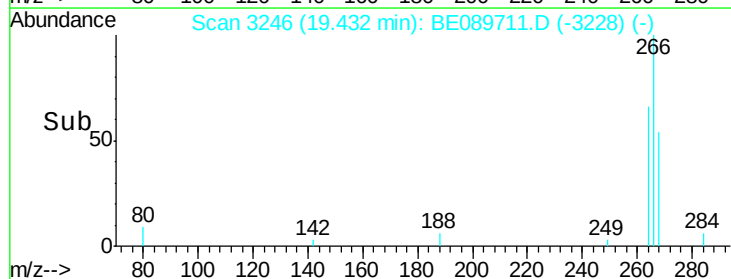
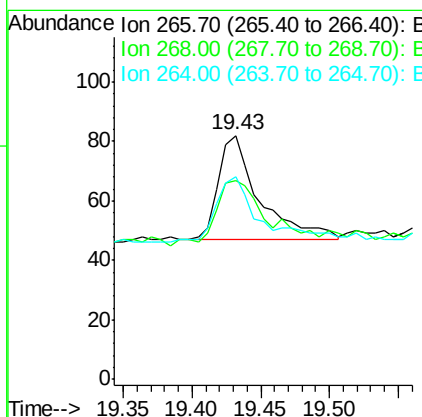
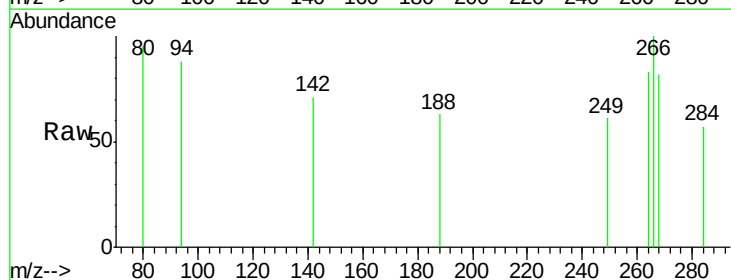
Instrument :
BNA_E
ClientSampleId :
MW1-022515

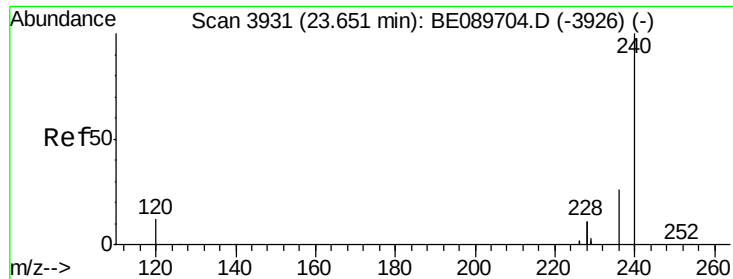
Tgt Ion: 284 Resp: 7
Ion Ratio Lower Upper
284 100
142 126.0 52.2 78.4#
249 96.0 26.4 39.6#



#19
Pentachlorophenol
Concen: 0.34 ng
RT: 19.43 min Scan# 3246
Delta R.T. 0.01 min
Lab File: BE089711.D
Acq: 27 Feb 2015 4:39

Tgt Ion: 266 Resp: 73
Ion Ratio Lower Upper
266 100
268 81.7 51.4 77.2#
264 82.9 55.8 83.8





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.65 min Scan# 3933

Delta R.T. 0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

Instrument :

BNA_E

ClientSampleId :

MW1-022515

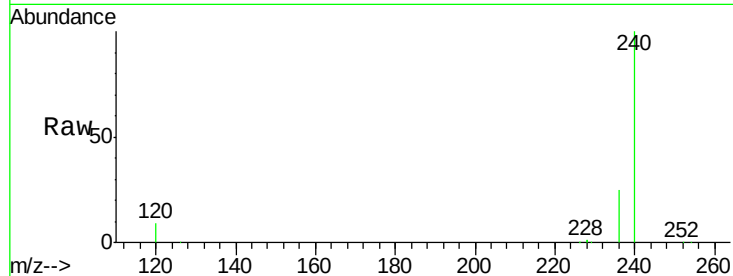
Tgt Ion:240 Resp: 131021

Ion Ratio Lower Upper

240 100

120 9.3 9.9 14.9#

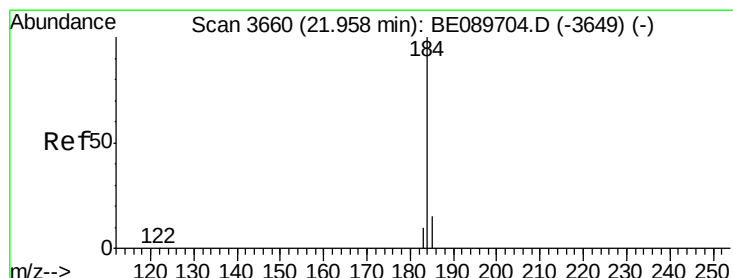
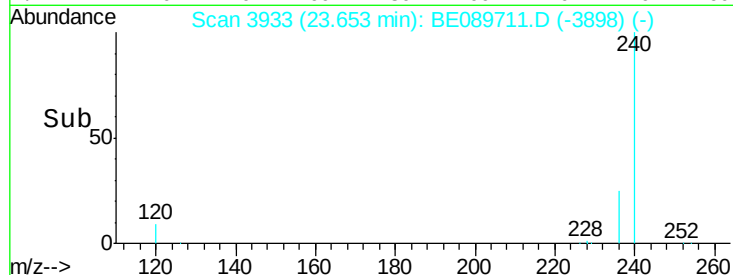
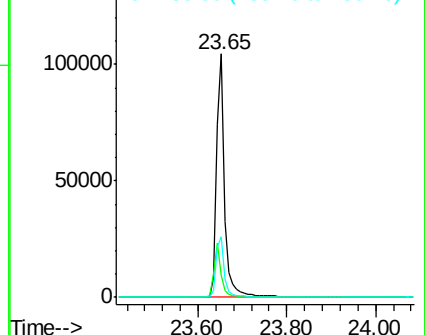
236 24.8 21.0 31.6



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: 0.24 ng

RT: 21.98 min Scan# 3667

Delta R.T. 0.02 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

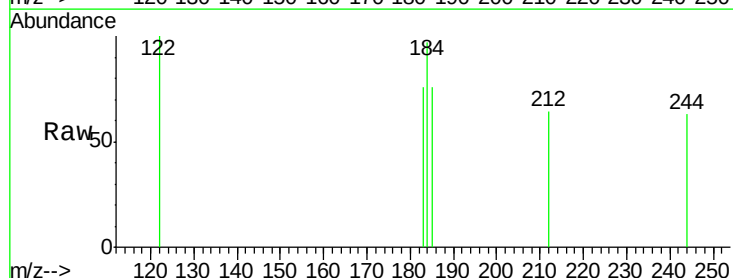
Tgt Ion:184 Resp: 41

Ion Ratio Lower Upper

184 100

185 78.1 12.8 19.2#

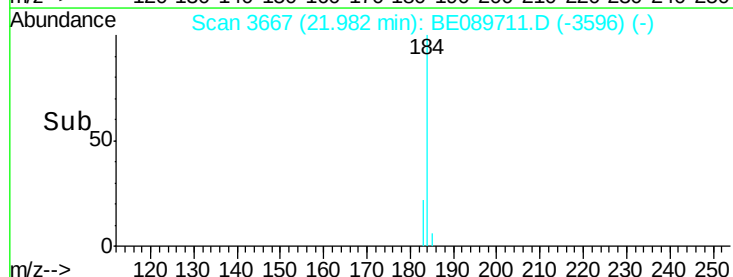
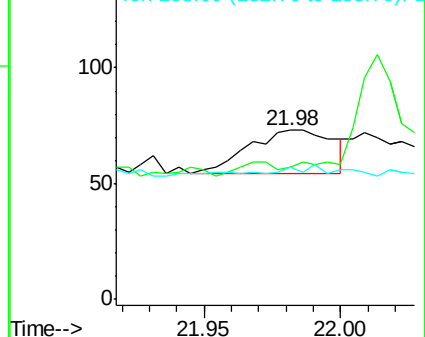
183 78.1 8.8 13.2#

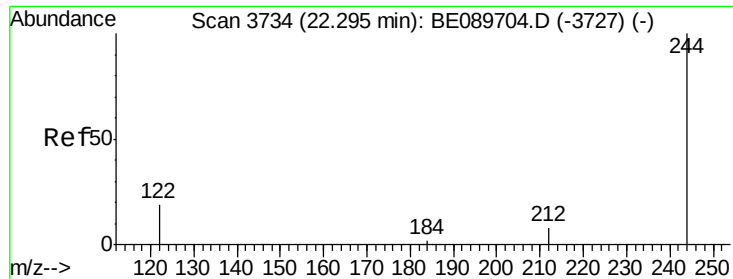


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#22

Terphenyl-d14

Concen: 12.89 ng

RT: 22.30 min Scan# 3736

Delta R.T. 0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

Instrument :

BNA_E

ClientSampleId :

MW1-022515

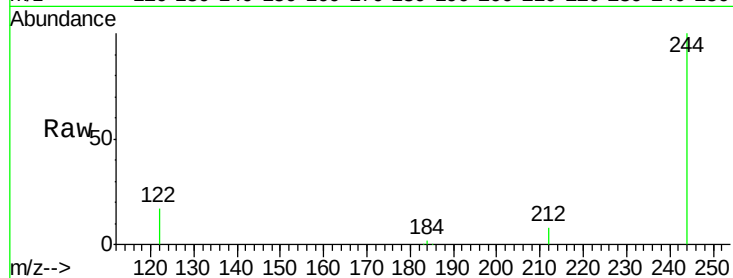
Tgt Ion:244 Resp: 204674

Ion Ratio Lower Upper

244 100

212 8.0 6.7 10.1

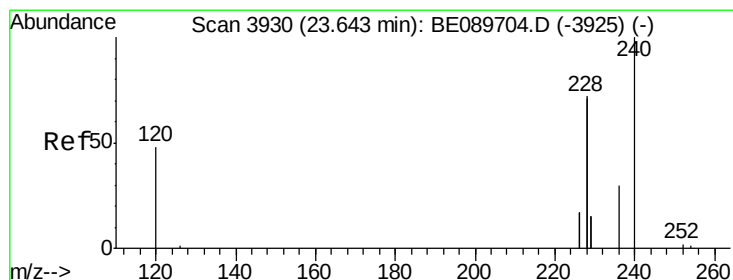
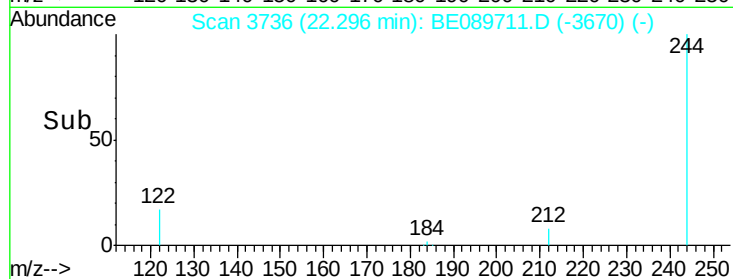
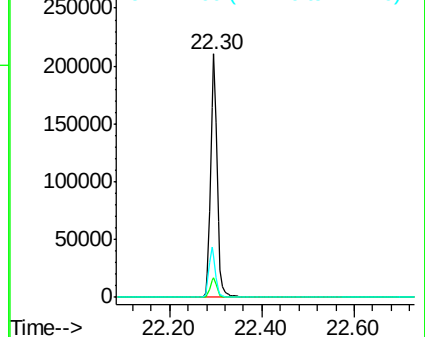
122 16.9 15.7 23.5



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



#23

Benzo(a)anthracene

Concen: 0.02 ng

RT: 23.64 min Scan# 3932

Delta R.T. 0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

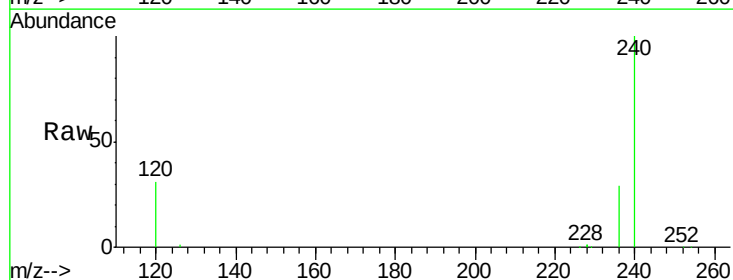
Tgt Ion:228 Resp: 1941

Ion Ratio Lower Upper

228 100

226 22.9 19.3 28.9

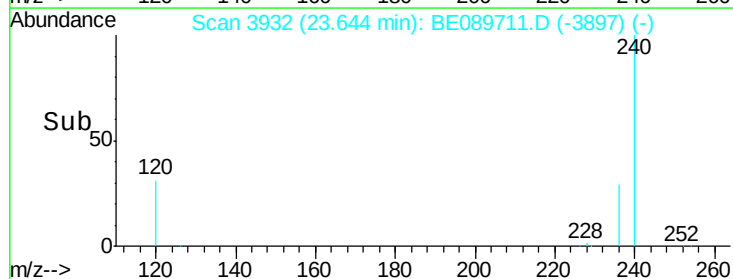
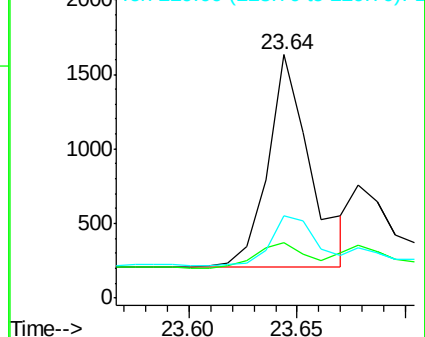
229 33.8 16.6 25.0#

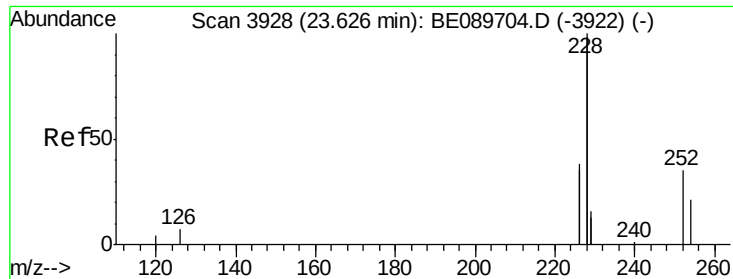


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

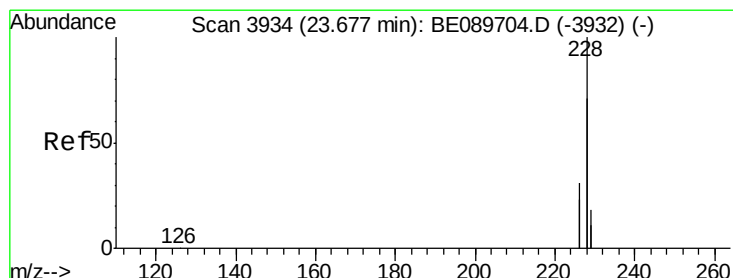
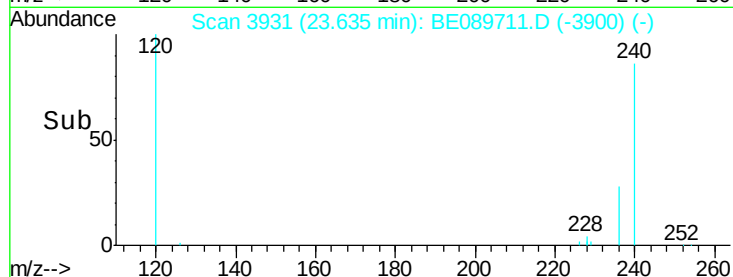
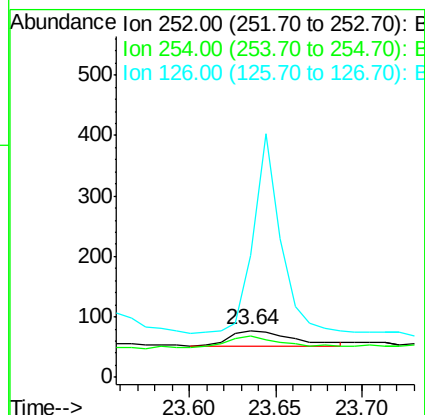
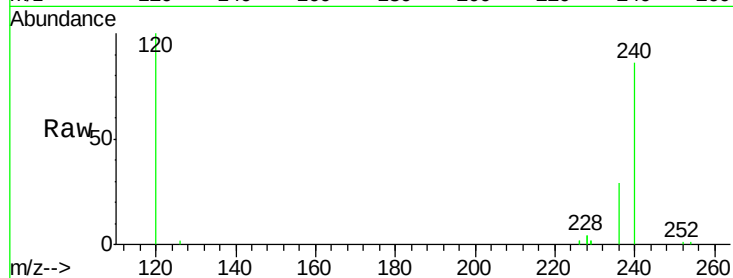




#24
 3,3'-Dichlorobenzidine
 Concen: 0.43 ng
 RT: 23.64 min Scan# 3931
 Delta R.T. 0.01 min
 Lab File: BE089711.D
 Acq: 27 Feb 2015 4:39

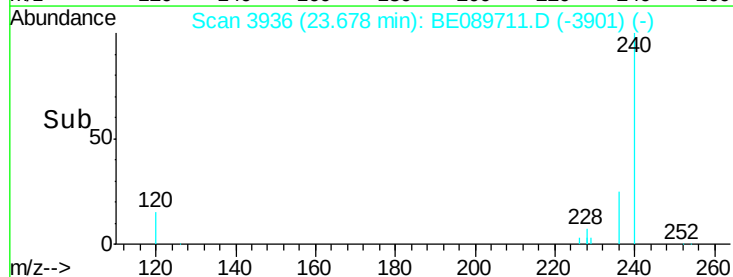
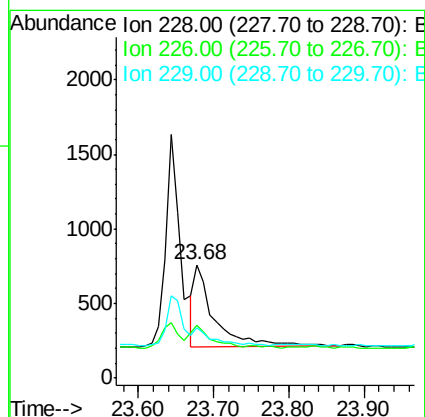
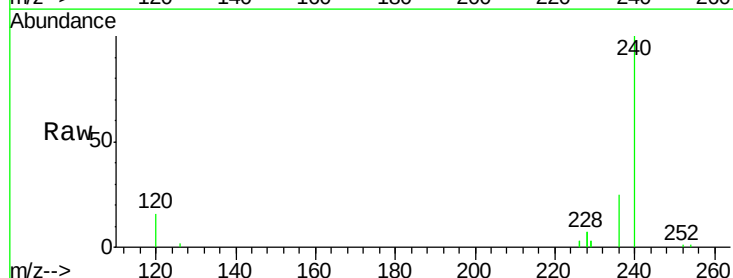
Instrument :
 BNA_E
 ClientSampleId :
 MW1-022515

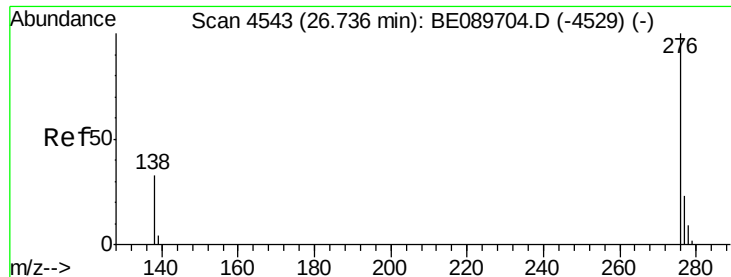
Tgt Ion: 252 Resp: 68
 Ion Ratio Lower Upper
 252 100
 254 88.3 49.4 74.2#
 126 261.0 17.4 26.2#



#25
 Chrysene
 Concen: 0.01 ng
 RT: 23.68 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: BE089711.D
 Acq: 27 Feb 2015 4:39

Tgt Ion: 228 Resp: 1032
 Ion Ratio Lower Upper
 228 100
 226 47.1 24.7 37.1#
 229 44.7 14.4 21.6#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng

RT: 26.74 min Scan# 4546

Delta R.T. 0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

Instrument :

BNA_E

ClientSampleId :

MW1-022515

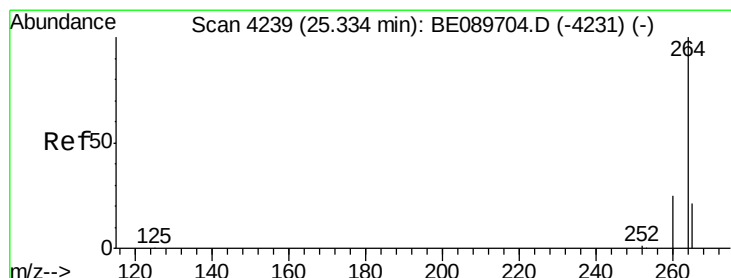
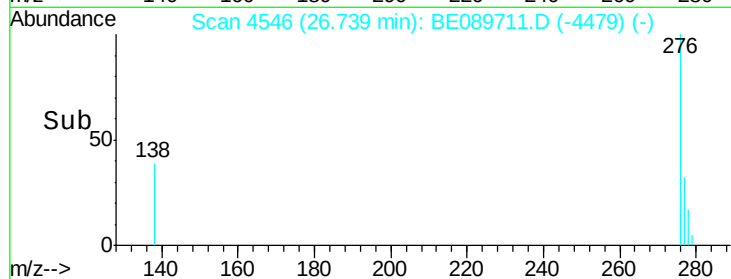
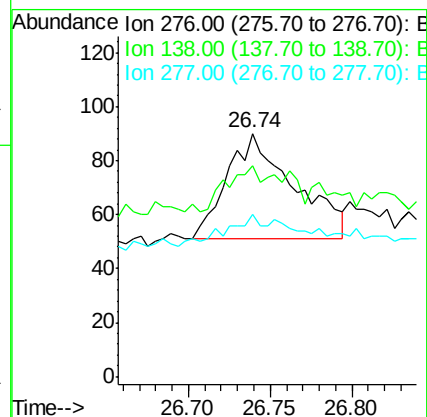
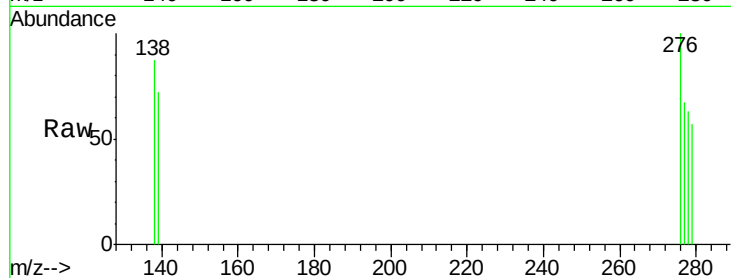
Tgt Ion:276 Resp: 111

Ion Ratio Lower Upper

276 100

138 24.3 29.8 44.6#

277 18.0 19.8 29.6#



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.33 min Scan# 4241

Delta R.T. 0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

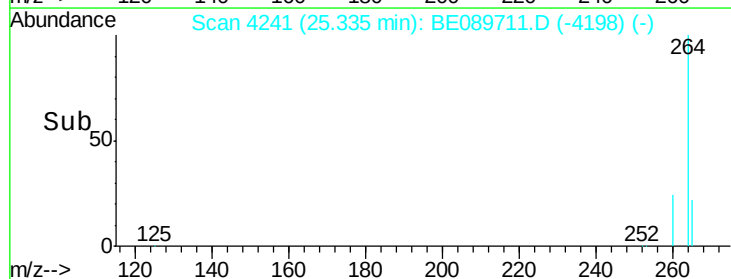
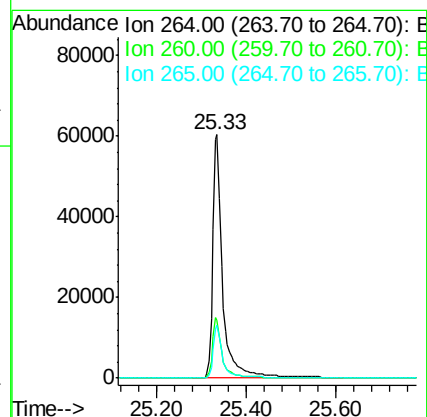
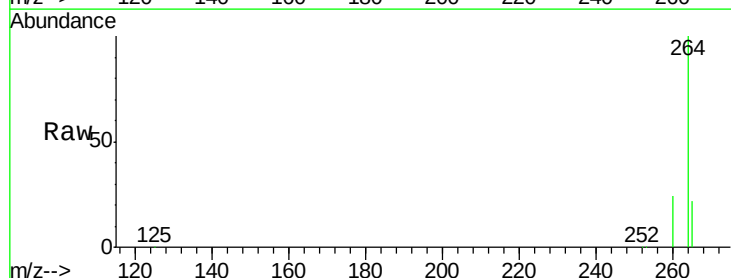
Tgt Ion:264 Resp: 92530

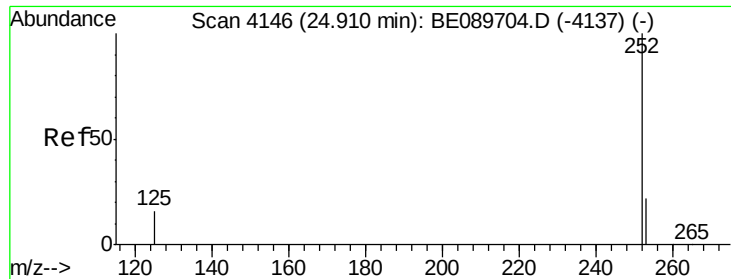
Ion Ratio Lower Upper

264 100

260 24.1 20.2 30.2

265 21.8 16.9 25.3





#28

Benzo(b)fluoranthene

Concen: 0.41 ng

RT: 24.91 min Scan# 4148

Delta R.T. 0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

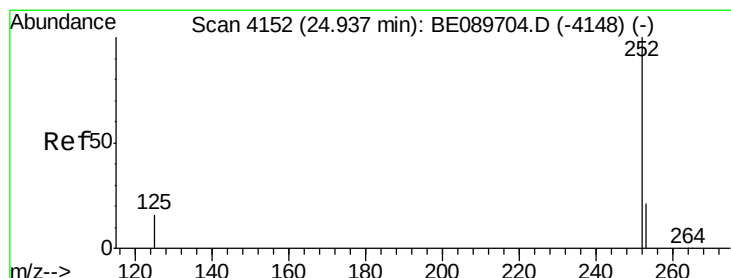
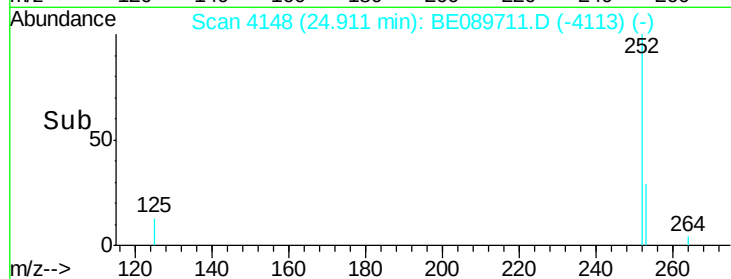
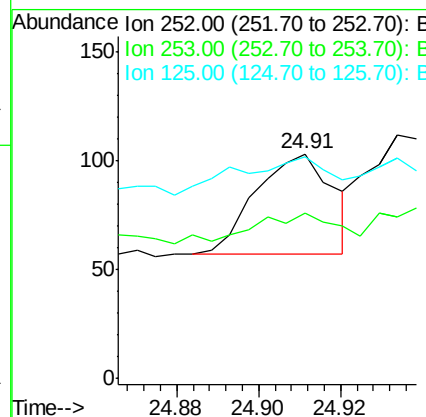
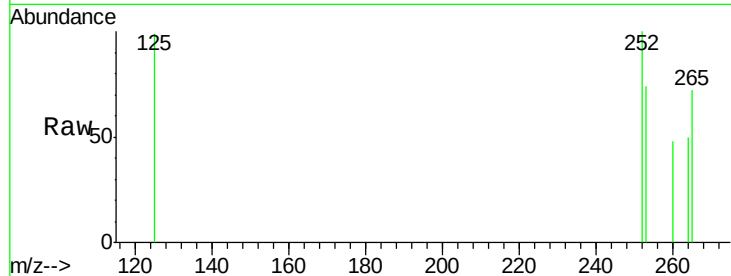
Instrument :

BNA_E

ClientSampleId :

MW1-022515

Tgt Ion:	252	Resp:	61
Ion	Ratio	Lower	Upper
252	100		
253	73.8	17.8	26.6#
125	99.0	12.9	19.3#



#29

Benzo(k)fluoranthene

Concen: 0.11 ng

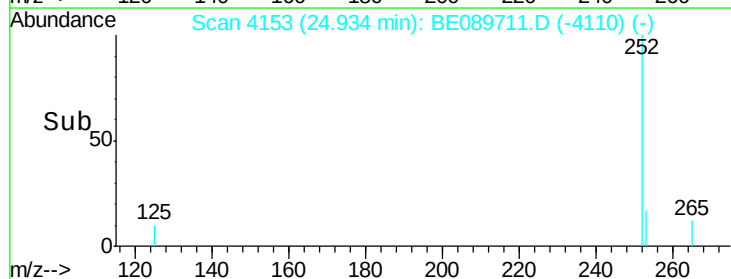
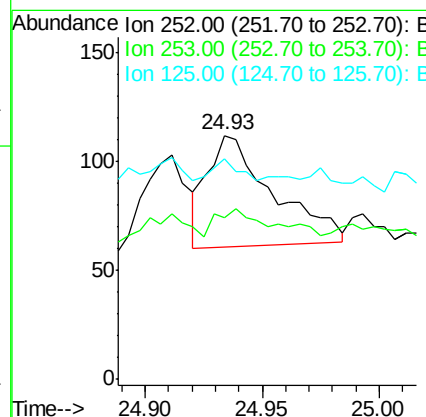
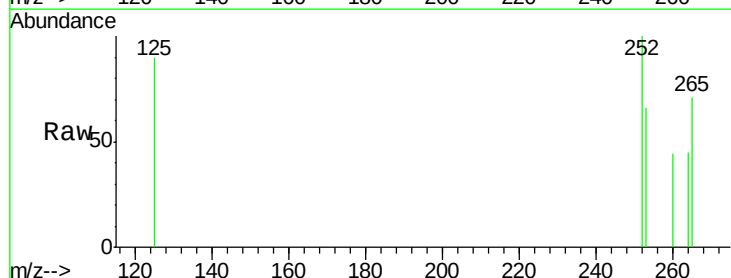
RT: 24.93 min Scan# 4153

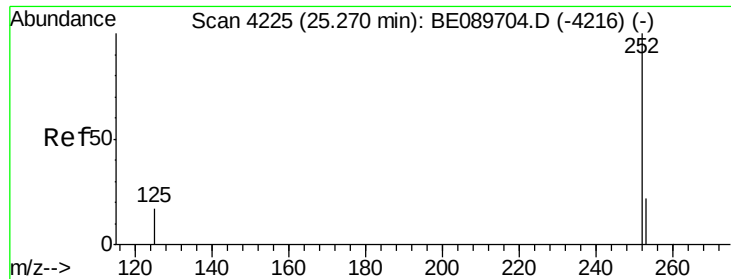
Delta R.T. -0.00 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

Tgt Ion:	252	Resp:	99
Ion	Ratio	Lower	Upper
252	100		
253	66.1	17.3	25.9#
125	90.2	12.9	19.3#





#30

Benzo(a)pyrene

Concen: 0.37 ng

RT: 25.27 min Scan# 4226

Delta R.T. -0.00 min

Lab File: BE089711.D

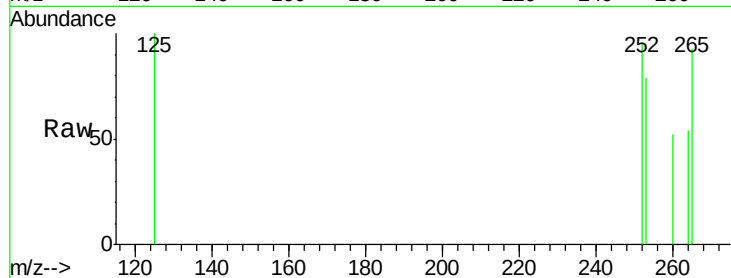
Acq: 27 Feb 2015 4:39

Instrument :

BNA_E

ClientSampleId :

MW1-022515



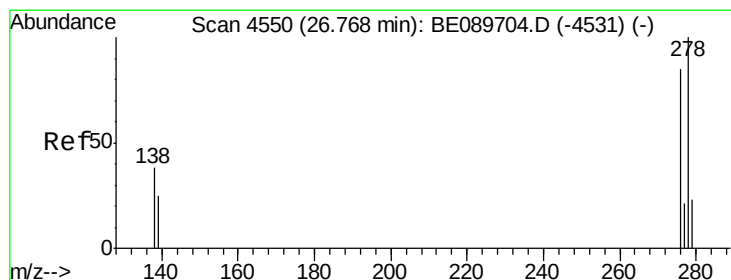
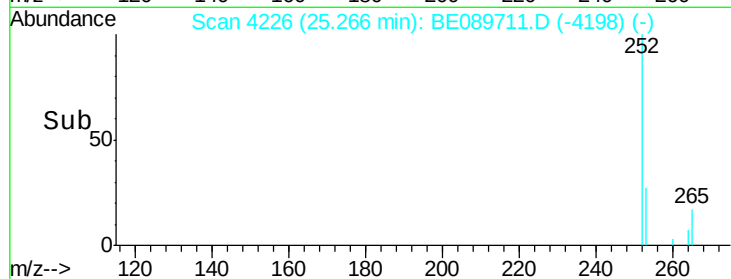
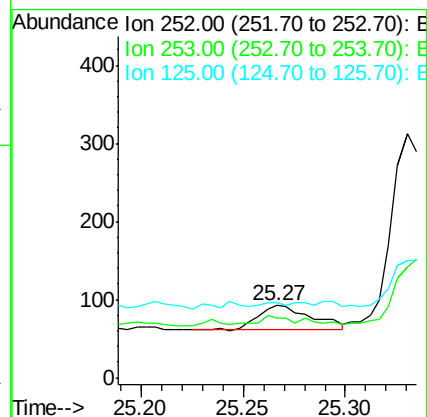
Tgt Ion: 252 Resp: 58

Ion Ratio Lower Upper

252 100

253 82.6 17.9 26.9#

125 104.3 14.0 21.0#



#31

Dibenzo(a,h)anthracene

Concen: 0.41 ng

RT: 26.76 min Scan# 4551

Delta R.T. -0.01 min

Lab File: BE089711.D

Acq: 27 Feb 2015 4:39

Tgt Ion: 278 Resp: 124

Ion Ratio Lower Upper

278 100

139 85.9 21.1 31.7#

279 67.4 19.3 28.9#

