

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012915\
 Data File : BE089429.D
 Acq On : 30 Jan 2015 2:15
 Operator : TP/IZ
 Sample : G1110-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EB-2015-1-16

Quant Time: Jan 30 07:42:25 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 03:48:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	113520	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	426556	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	195313	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	370583	5.00	ng	0.00
20) Chrysene-d12	23.84	240	477102	5.00	ng	0.00
27) Perylene-d12	25.55	264	519312	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.76	112	170563	3.99	ng	0.02
4) Phenol-d6	8.87	99	136379	2.69	ng	0.03
8) Nitrobenzene-d5	10.85	82	250036	7.21	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	67437	12.51	ng	0.01
15) 2-Fluorobiphenyl	15.14	172	370263	6.80	ng	0.00
22) Terphenyl-d14	22.49	244	604619	10.96	ng	0.00

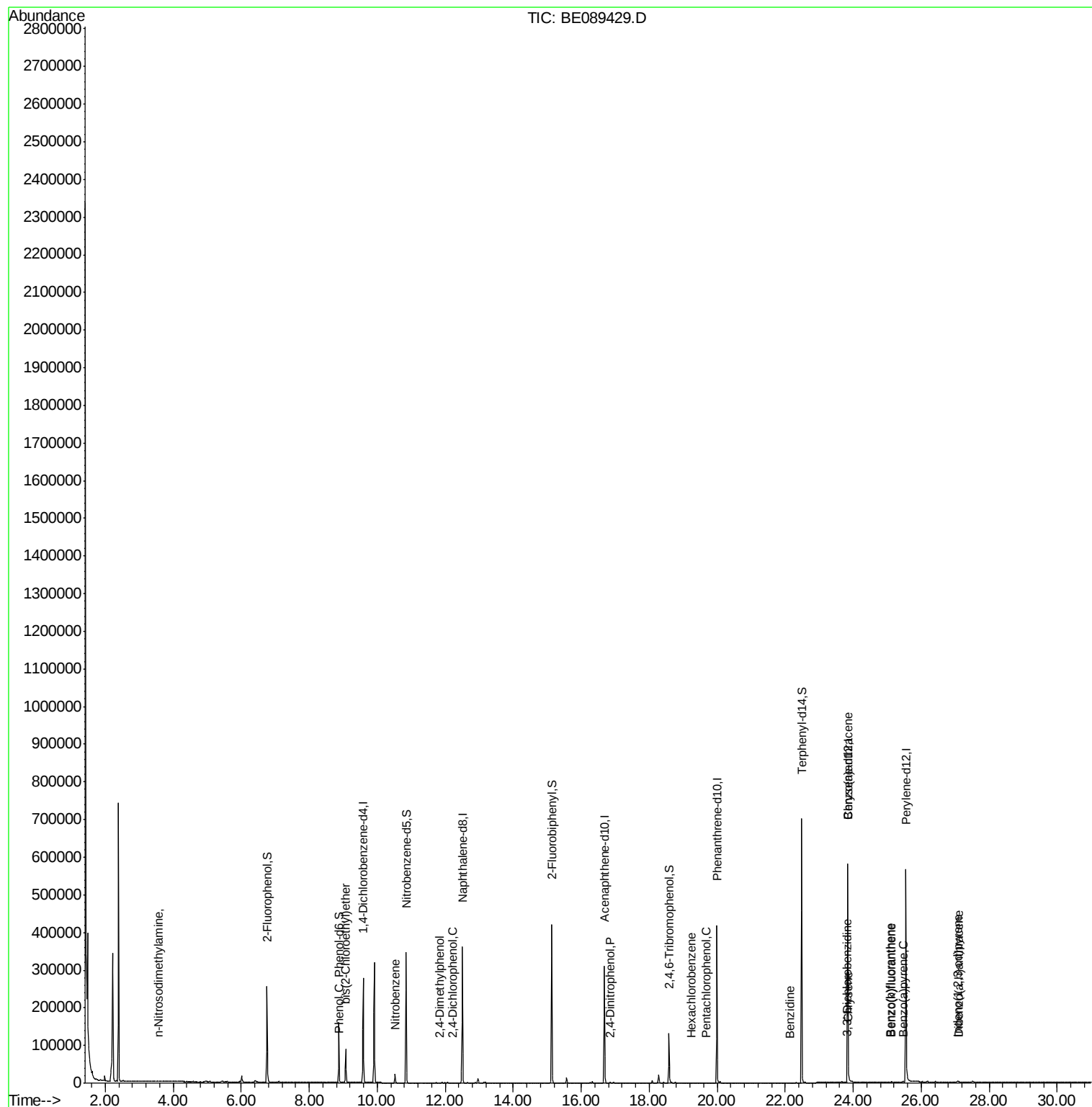
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.56	42	15	0.00	ng	# 1
5) Phenol	8.90	94	337	0.01	ng	# 1
6) bis(2-Chloroethyl)ether	9.08	93	625	0.02	ng	# 1
9) Nitrobenzene	10.52	77	30591	0.77	ng	# 44
10) 2,4-Dimethylphenol	11.84	122	49	0.00	ng	# 69
11) 2,4-Dichlorophenol	12.21	162	40	0.00	ng	# 7
16) 2,4-Dinitrophenol	16.87	184	7	0.00	ng	# 1
18) Hexachlorobenzene	19.24	284	35	0.00	ng	# 1
19) Pentachlorophenol	19.65	266	24	0.01	ng	# 72
21) Benzidine	22.14	184	25	0.00	ng	# 1
23) Benzo(a)anthracene	23.83	228	7854	0.02	ng	# 80
24) 3,3'-Dichlorobenzidine	23.81	252	208	0.01	ng	# 60
25) Chrysene	23.87	228	3383	0.01	ng	# 75
26) Indeno(1,2,3-cd)pyrene	27.07	276	812	0.01	ng	# 100
28) Benzo(b)fluoranthene	25.10	252	506	0.01	ng	# 1
29) Benzo(k)fluoranthene	25.13	252	1073	0.01	ng	# 1
30) Benzo(a)pyrene	25.48	252	564	0.01	ng	# 1
31) Dibenzo(a,h)anthracene	27.09	278	851	0.01	ng	# 1

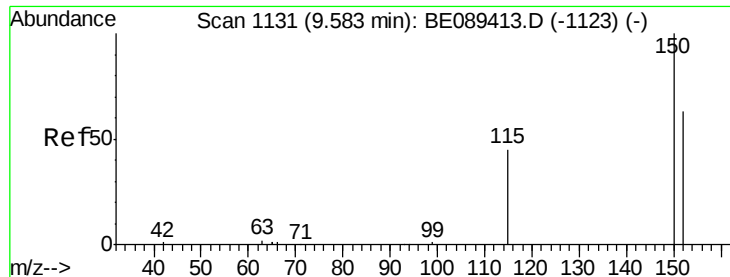
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-16

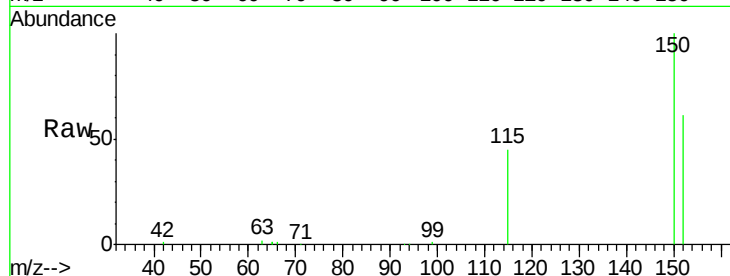
Tgt Ion: 152 Resp: 113520

Ion Ratio Lower Upper

152 100

150 164.1 126.1 189.1

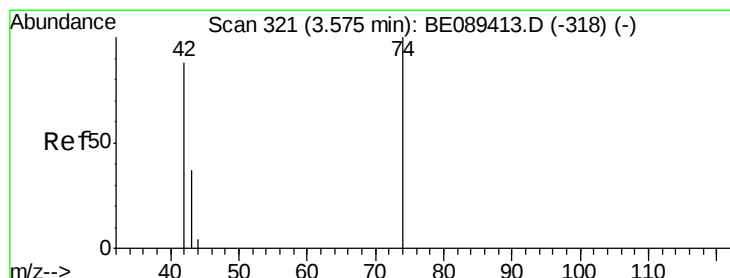
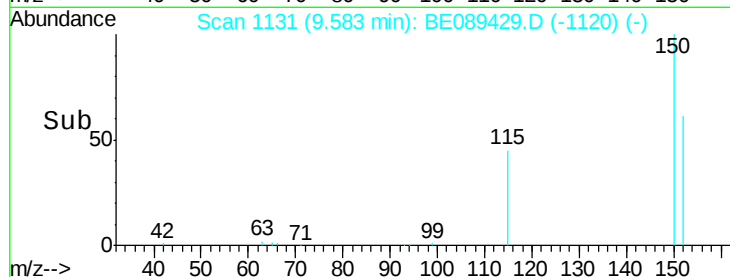
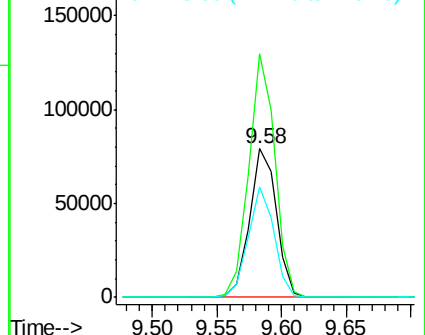
115 74.1 57.1 85.7



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: 0.00 ng

RT: 3.56 min Scan# 319

Delta R.T. -0.01 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

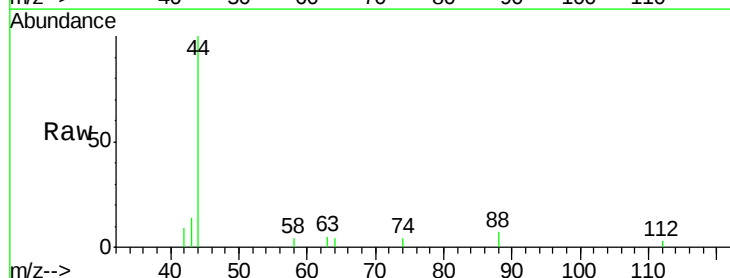
Tgt Ion: 42 Resp: 15

Ion Ratio Lower Upper

42 100

74 43.2 90.2 135.2#

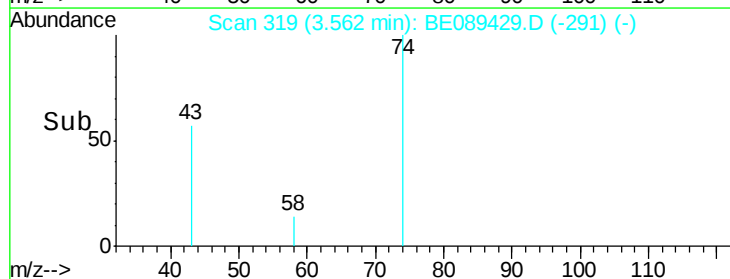
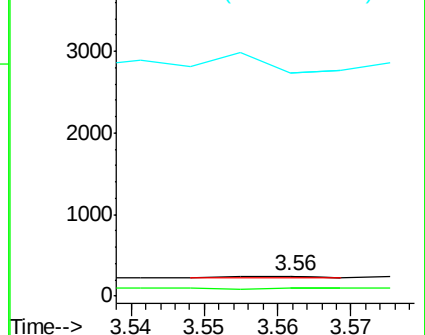
44 1133.2 19.4 29.2#

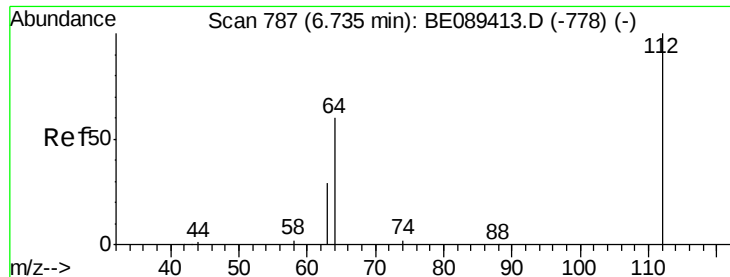


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

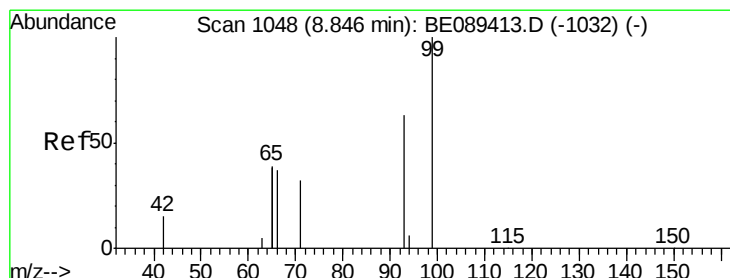
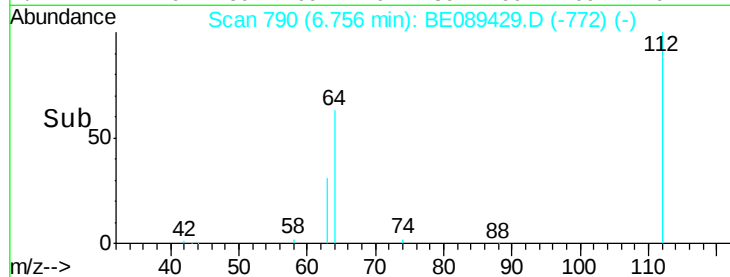
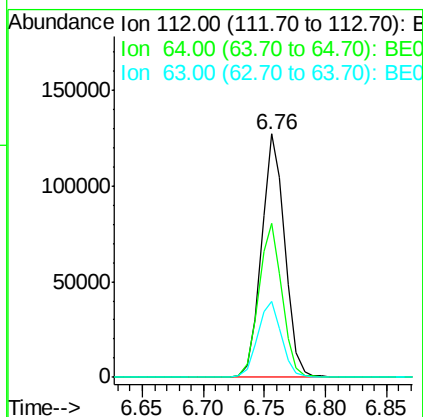
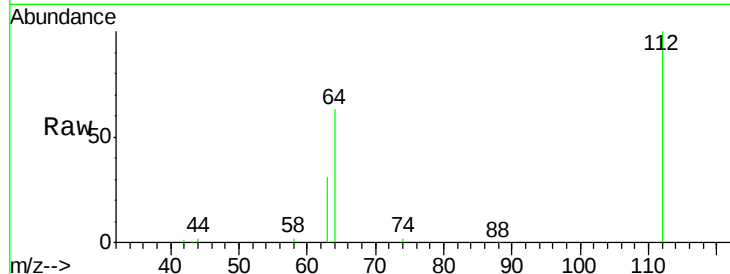




#3
 2-Fluorophenol
 Concen: 3.99 ng
 RT: 6.76 min Scan# 790
 Delta R.T. 0.02 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

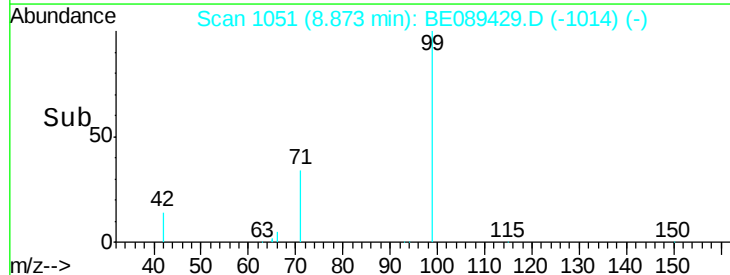
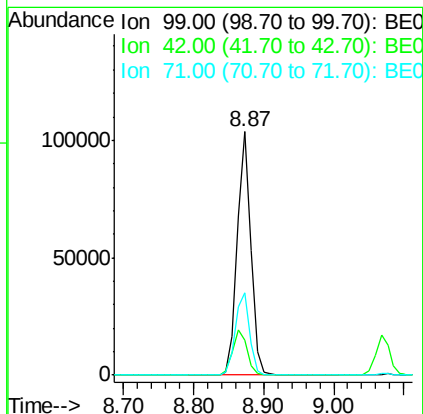
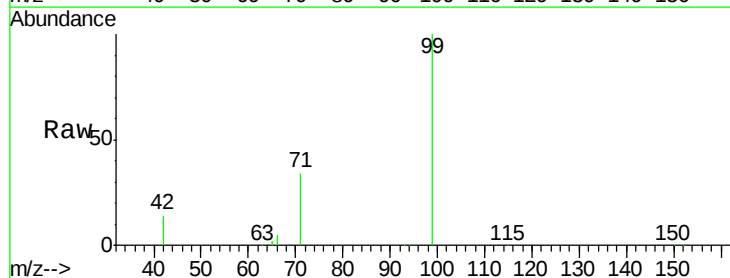
Instrument :
 BNA_E
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 EB-2015-1-16

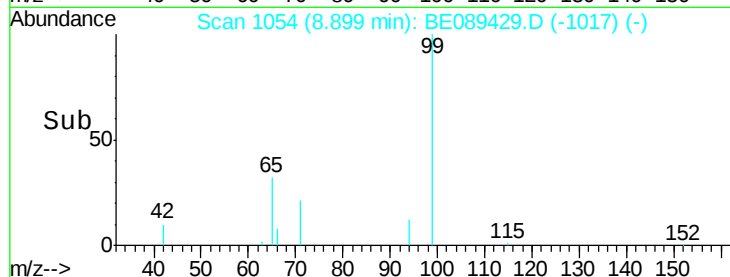
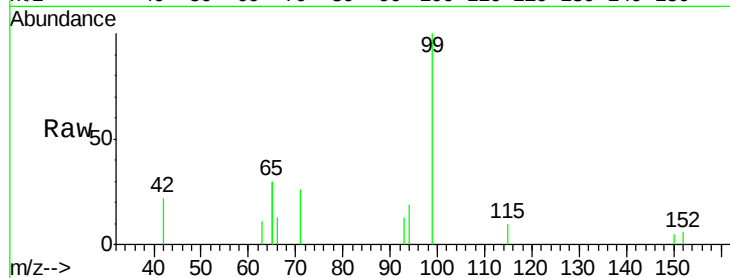
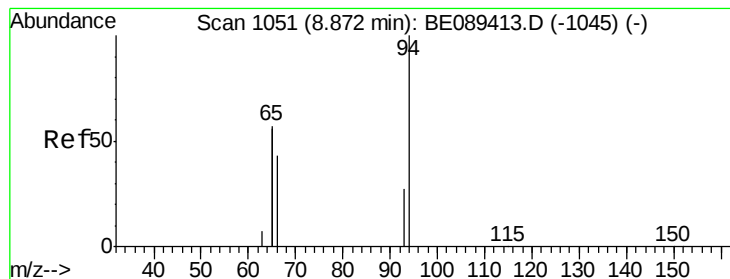
Tgt Ion: 112 Resp: 170563
 Ion Ratio Lower Upper
 112 100
 64 63.3 48.2 72.4
 63 31.4 23.5 35.3



#4
 Phenol-d6
 Concen: 2.69 ng
 RT: 8.87 min Scan# 1051
 Delta R.T. 0.03 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

Tgt Ion: 99 Resp: 136379
 Ion Ratio Lower Upper
 99 100
 42 14.4 11.9 17.9
 71 33.9 25.8 38.6





#5

Phenol

Concen: 0.01 ng

RT: 8.90 min Scan# 1054

Delta R.T. 0.03 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-16

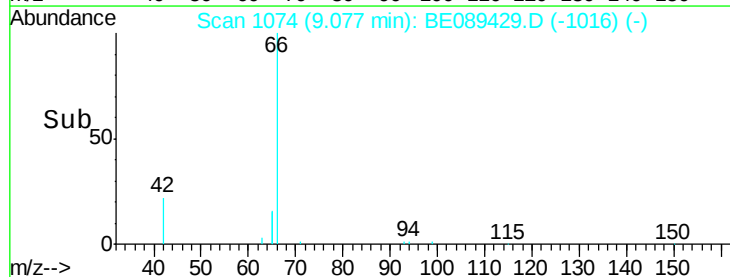
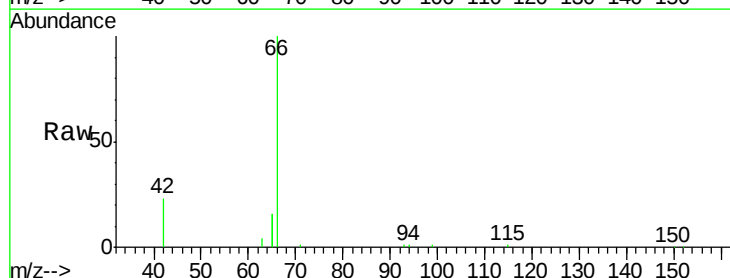
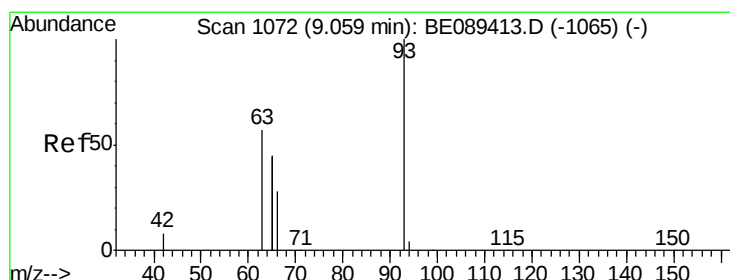
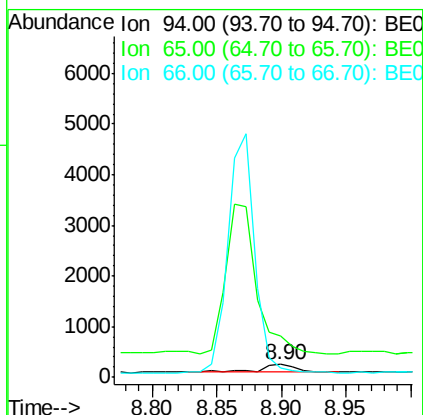
Tgt Ion: 94 Resp: 337

Ion Ratio Lower Upper

94 100

65 318.9 93.3 133.3#

66 69.3 23.6 63.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 9.08 min Scan# 1074

Delta R.T. 0.02 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

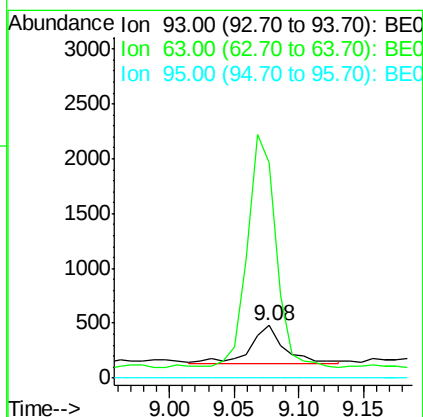
Tgt Ion: 93 Resp: 625

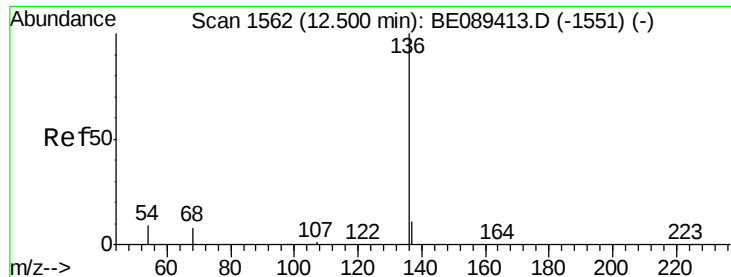
Ion Ratio Lower Upper

93 100

63 516.8 58.6 88.0#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-16

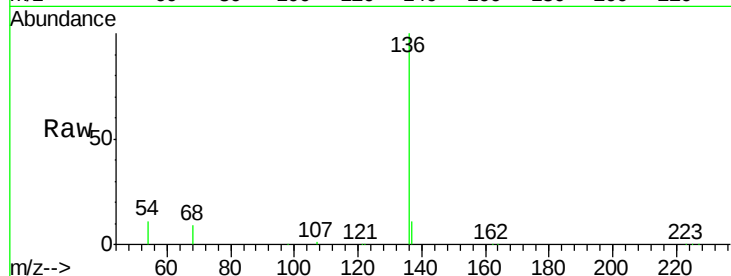
Tgt Ion: 136 Resp: 426556

Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

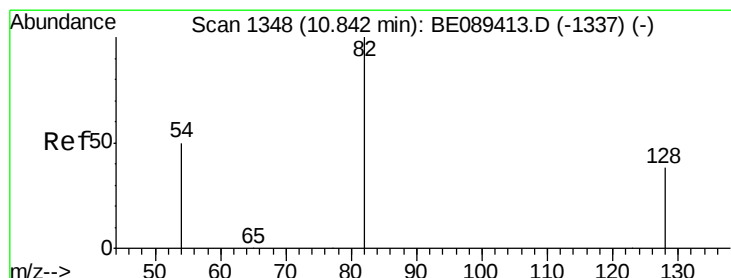
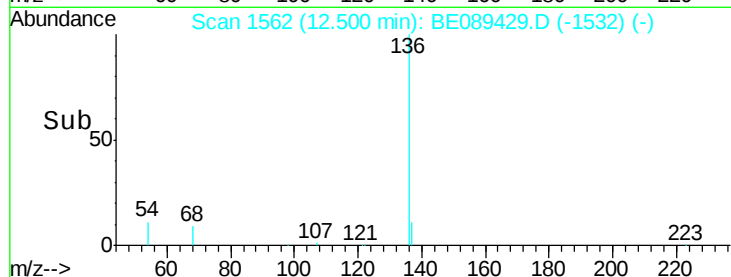
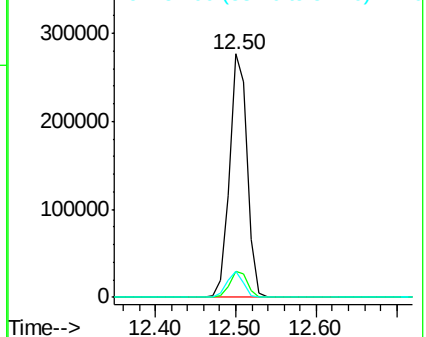
54 10.6 7.5 11.3



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: 7.21 ng

RT: 10.85 min Scan# 1350

Delta R.T. 0.01 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

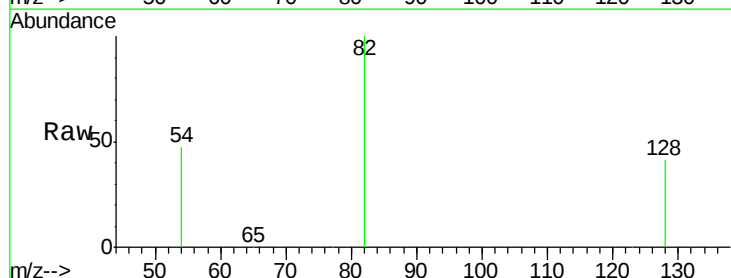
Tgt Ion: 82 Resp: 250036

Ion Ratio Lower Upper

82 100

128 41.2 31.0 46.4

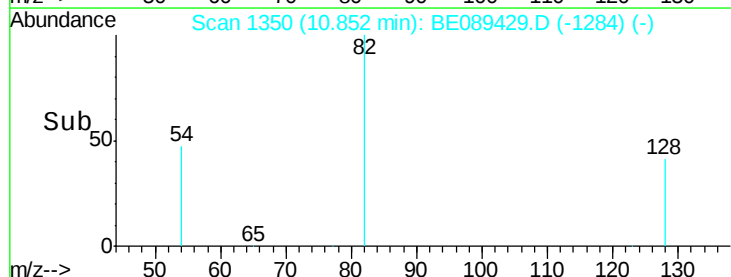
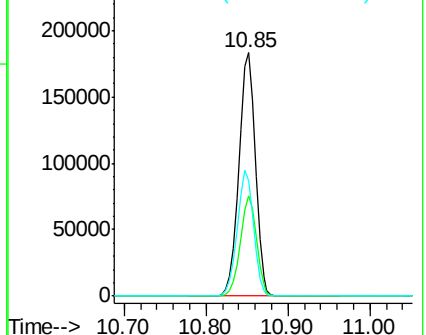
54 47.5 39.8 59.6

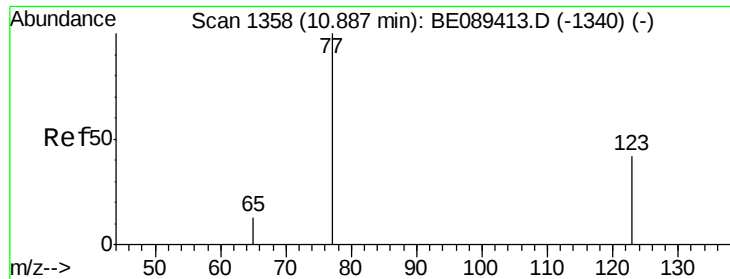


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.77 ng

RT: 10.52 min Scan# 1278

Delta R.T. -0.36 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-16

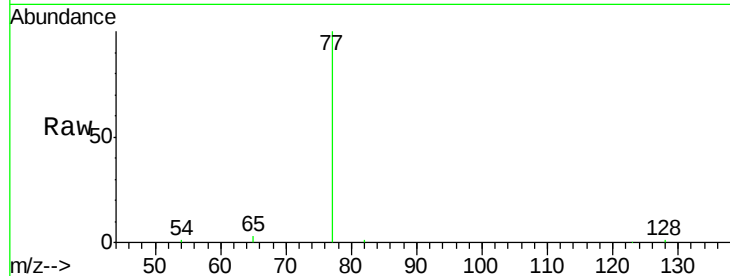
Tgt Ion: 77 Resp: 30591

Ion Ratio Lower Upper

77 100

123 0.0 32.8 49.2#

65 2.7 11.0 16.6#

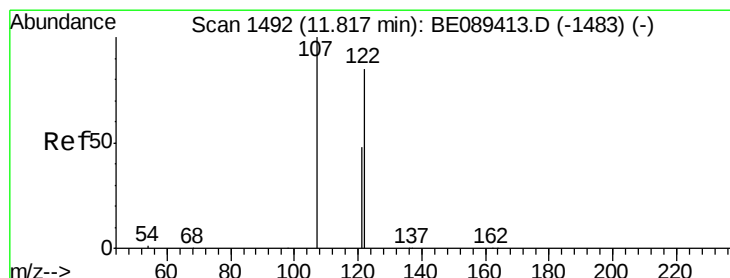
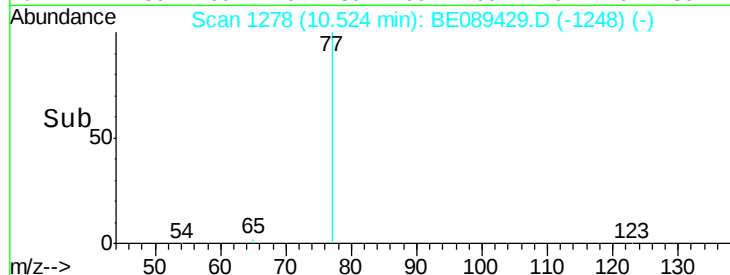
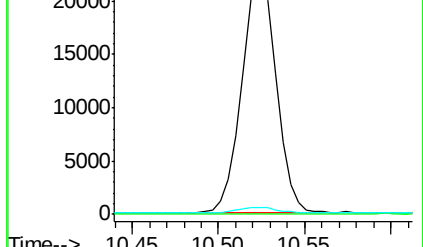


Abundance Ion 77.00 (76.70 to 77.70): BE089413.D (-1340) (-)

Ion 123.00 (122.70 to 123.70): BE089413.D (-1340) (-)

Ion 65.00 (64.70 to 65.70): BE089413.D (-1340) (-)

Time-->



#10

2,4-Dimethylphenol

Concen: 0.00 ng

RT: 11.84 min Scan# 1494

Delta R.T. 0.02 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

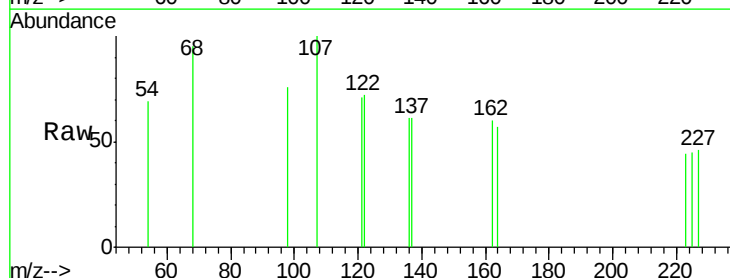
Tgt Ion: 122 Resp: 49

Ion Ratio Lower Upper

122 100

107 139.6 94.6 142.0

121 98.9 45.8 68.6#

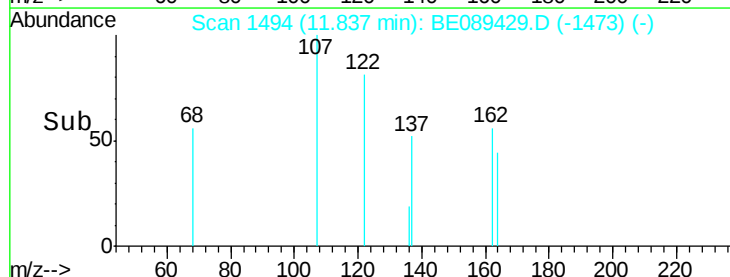
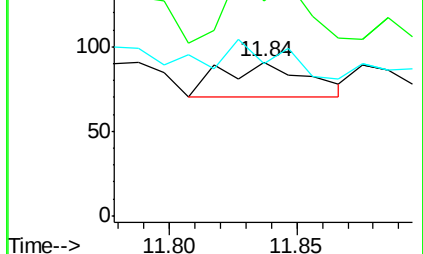


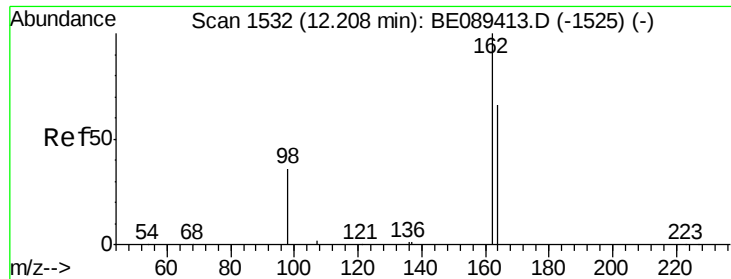
Abundance Ion 122.00 (121.70 to 122.70): BE089413.D (-1483) (-)

Ion 107.00 (106.70 to 107.70): BE089413.D (-1483) (-)

Ion 121.00 (120.70 to 121.70): BE089413.D (-1483) (-)

Time-->

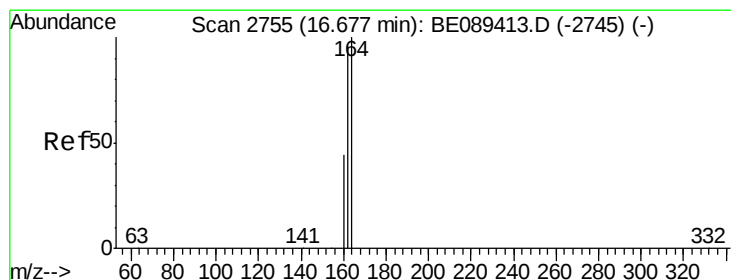
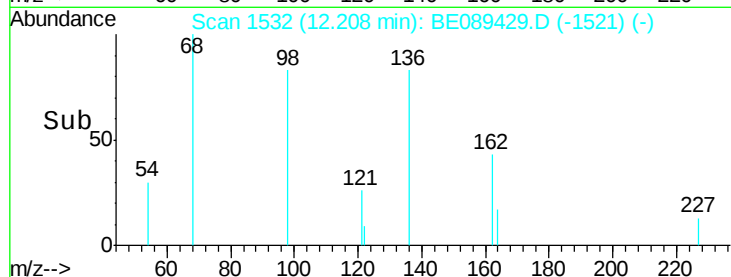
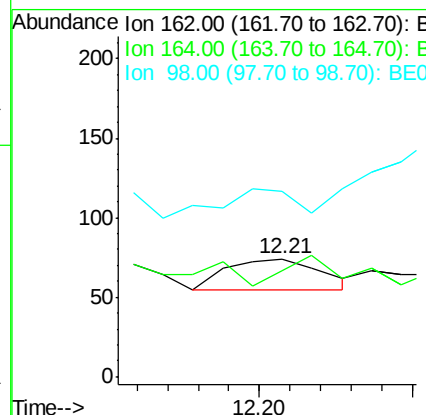
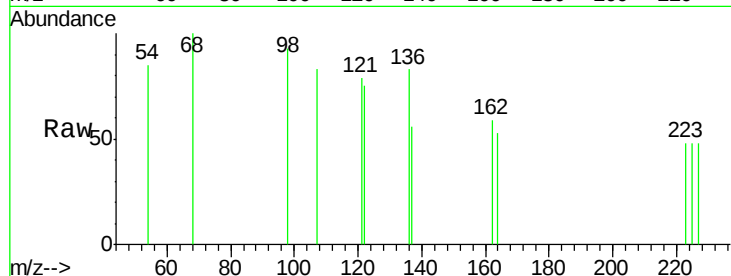




#11
 2,4-Dichlorophenol
 Concen: 0.00 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

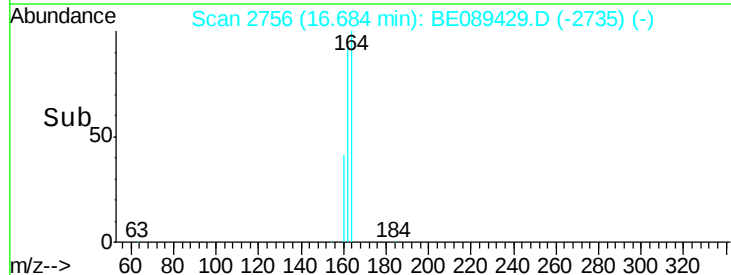
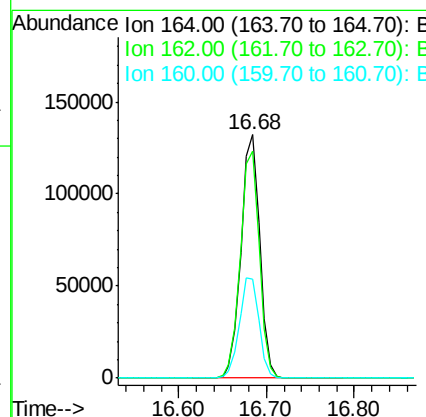
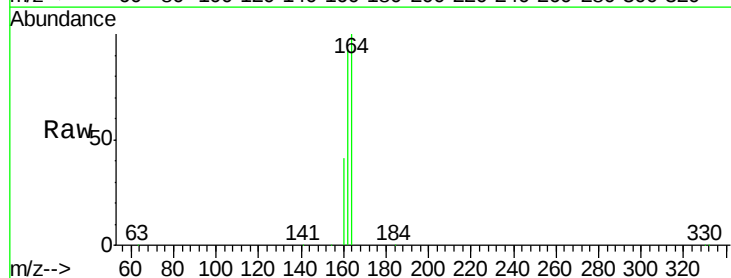
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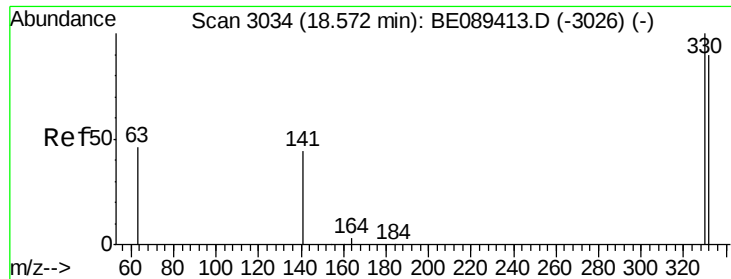
Tgt Ion:162 Resp: 40
 Ion Ratio Lower Upper
 162 100
 164 90.5 46.1 86.1#
 98 158.1 16.2 56.2#



#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.68 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

Tgt Ion:164 Resp: 195313
 Ion Ratio Lower Upper
 164 100
 162 93.4 77.0 115.6
 160 40.9 35.0 52.4

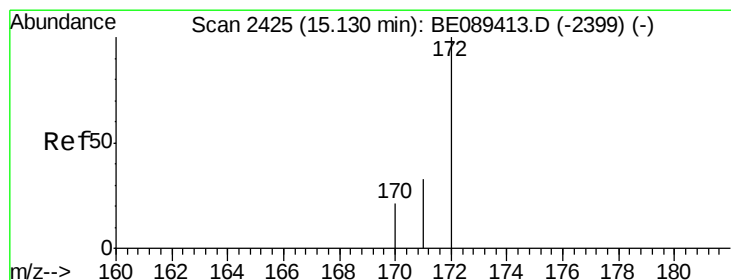
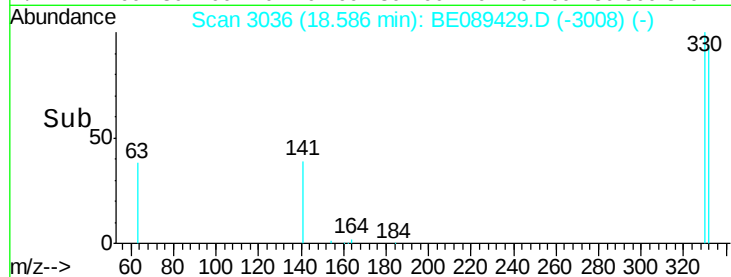
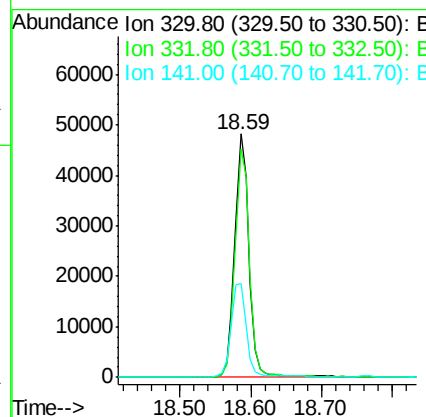
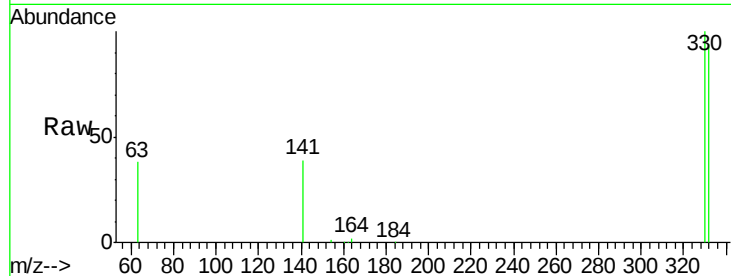




#14
 2,4,6-Tribromophenol
 Concen: 12.51 ng
 RT: 18.59 min Scan# 3036
 Delta R.T. 0.01 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

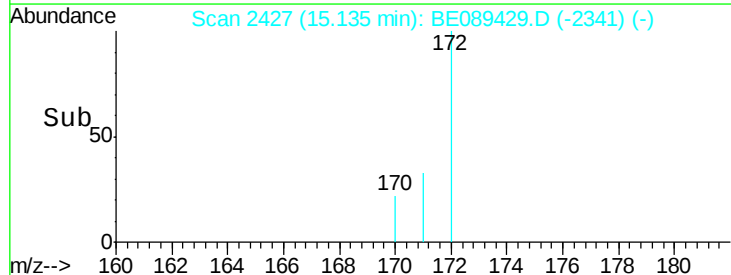
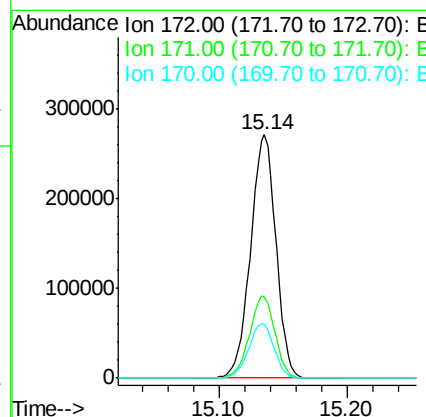
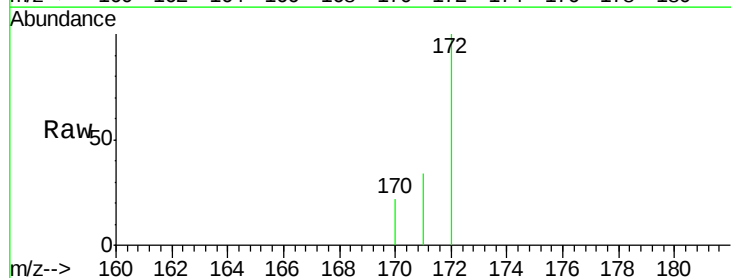
Instrument :
 BNA_E
 ClientSampleId :
 EB-2015-1-16

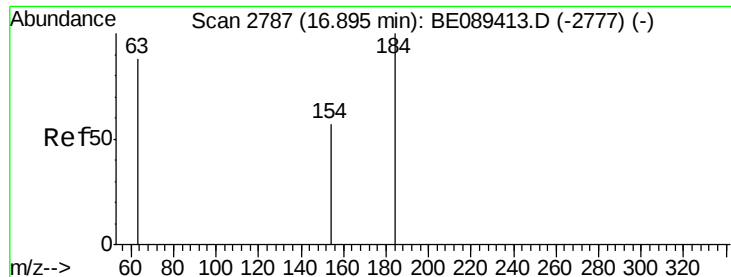
Tgt Ion: 330 Resp: 67437
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.0 114.0
 141 40.4 35.6 53.4



#15
 2-Fluorobiphenyl
 Concen: 6.80 ng
 RT: 15.14 min Scan# 2427
 Delta R.T. 0.01 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

Tgt Ion: 172 Resp: 370263
 Ion Ratio Lower Upper
 172 100
 171 33.5 26.6 39.8
 170 22.0 17.1 25.7

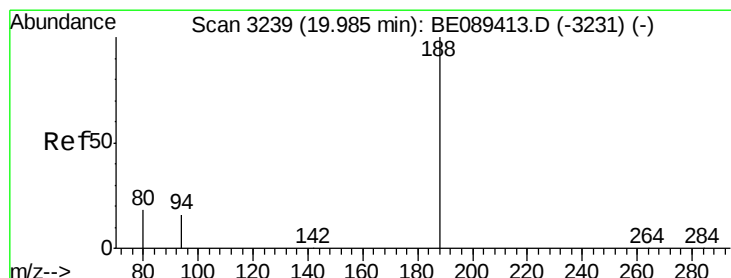
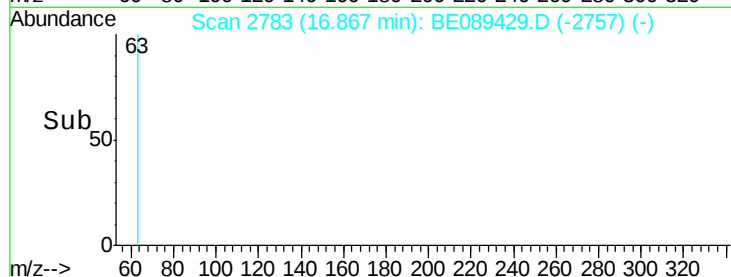
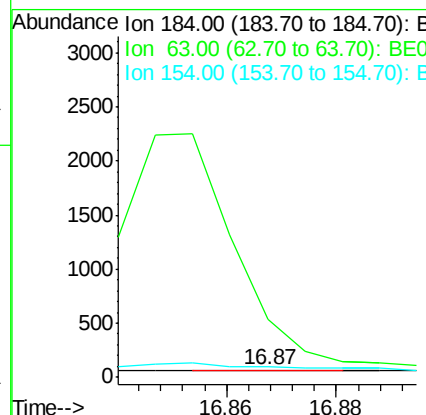
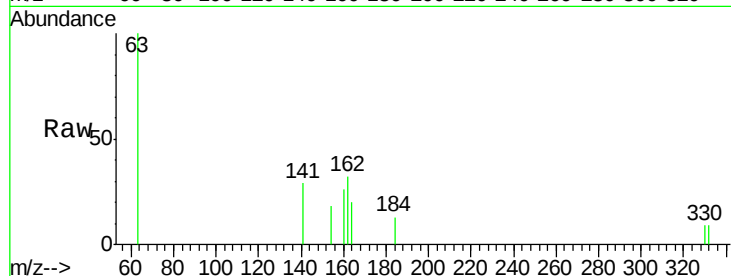




#16
 2,4-Dinitrophenol
 Concen: 0.00 ng
 RT: 16.87 min Scan# 2783
 Delta R.T. -0.03 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

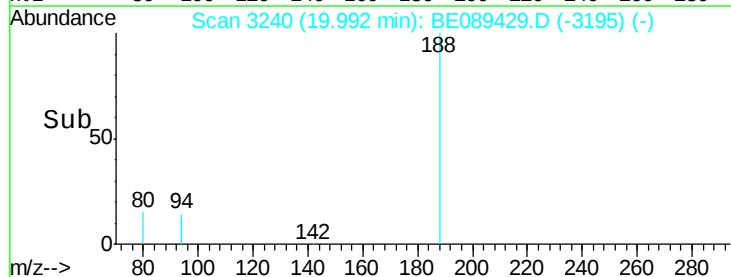
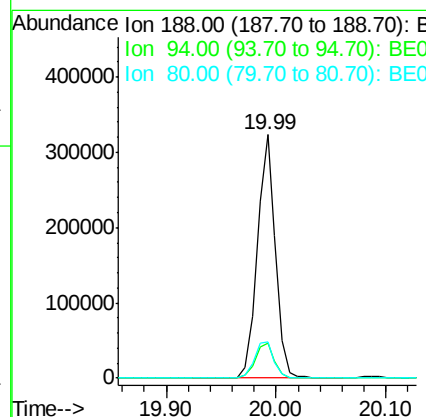
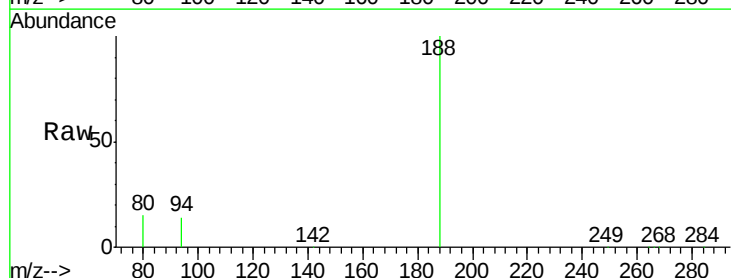
Instrument :
 BNA_E
 ClientSampleId :
 EB-2015-1-16

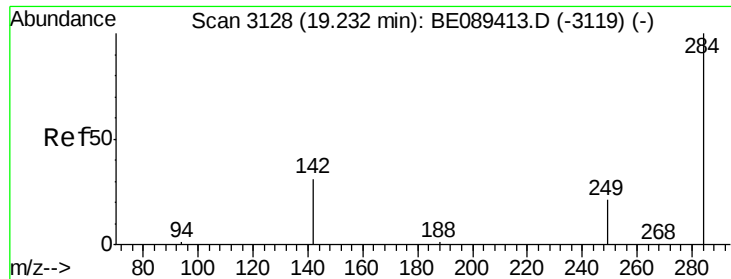
Tgt Ion:184 Resp: 7
 Ion Ratio Lower Upper
 184 100
 63 792.6 79.0 118.4#
 154 139.7 55.8 83.6#



#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3240
 Delta R.T. 0.01 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

Tgt Ion:188 Resp: 370583
 Ion Ratio Lower Upper
 188 100
 94 14.3 13.0 19.6
 80 14.9 14.2 21.4





#18

Hexachlorobenzene

Concen: 0.00 ng

RT: 19.24 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-16

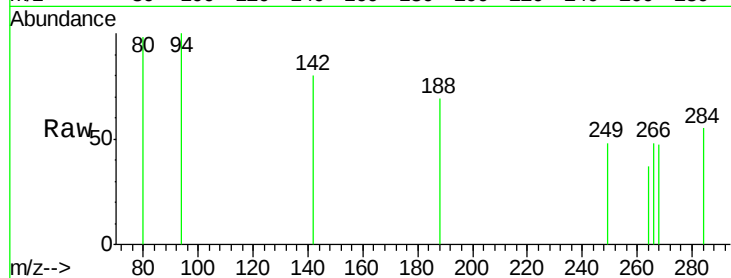
Tgt Ion: 284 Resp: 35

Ion Ratio Lower Upper

284 100

142 146.4 28.3 42.5#

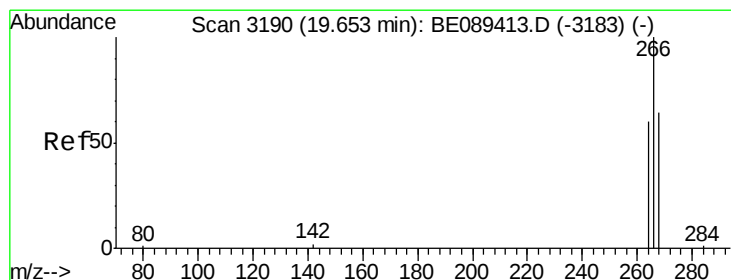
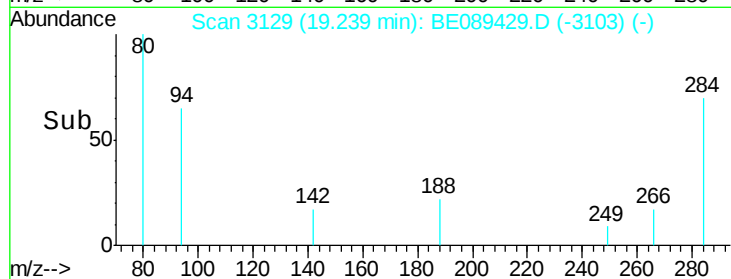
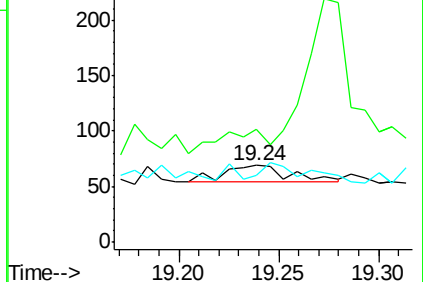
249 87.0 19.9 29.9#



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: 0.01 ng

RT: 19.65 min Scan# 3190

Delta R.T. 0.00 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

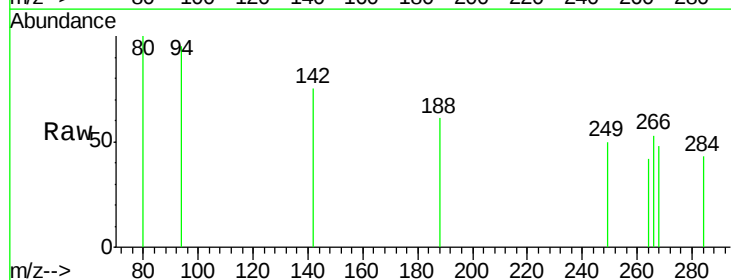
Tgt Ion: 266 Resp: 24

Ion Ratio Lower Upper

266 100

268 89.9 51.9 77.9#

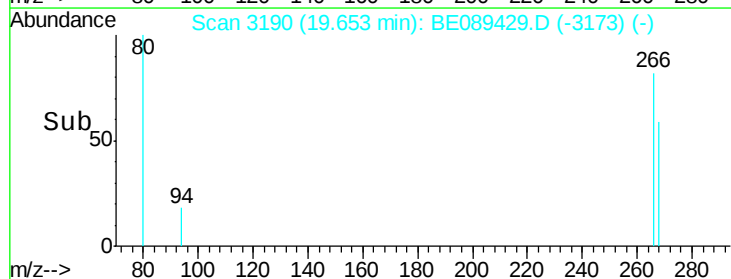
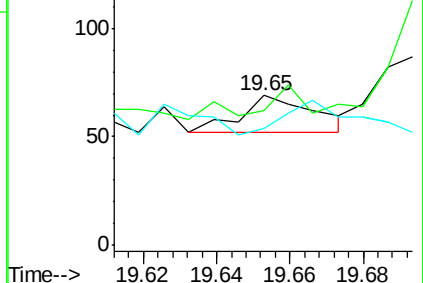
264 78.3 48.5 72.7#

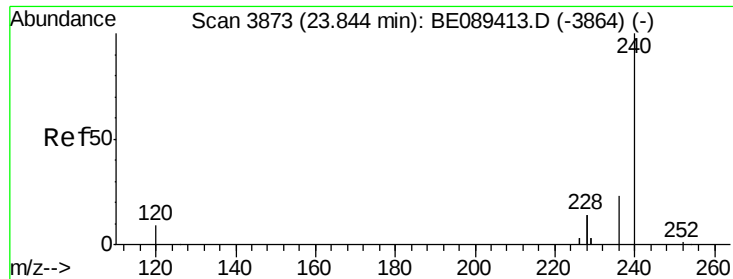


Abundance Ion 265.70 (265.40 to 266.40): E

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: 23.84 min Scan# 3873

Delta R.T. -0.00 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-16

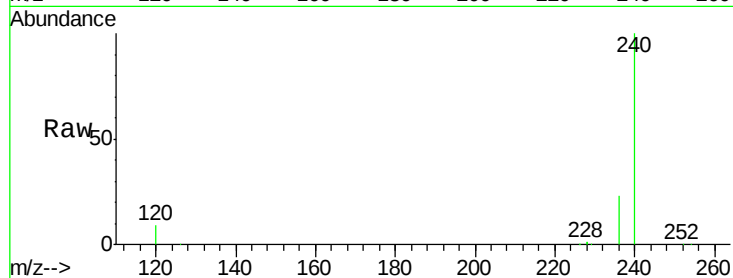
Tgt Ion:240 Resp: 477102

Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

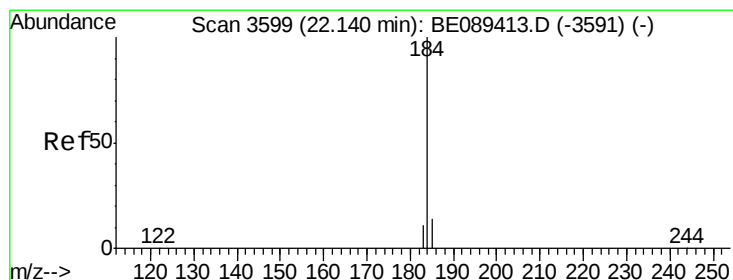
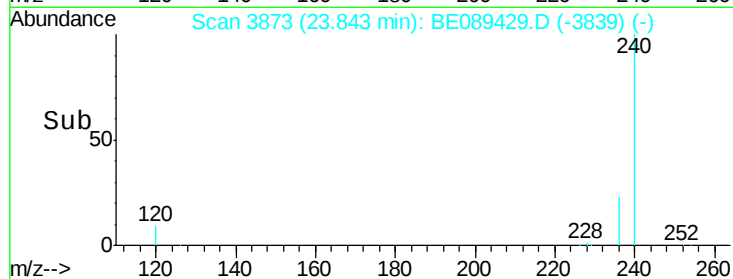
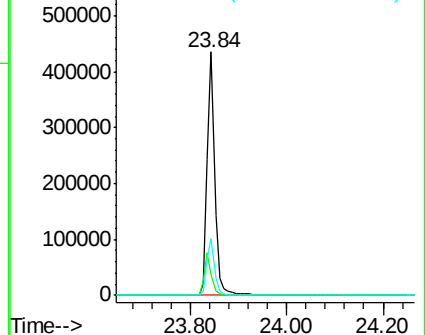
236 23.3 18.2 27.2



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: 0.00 ng

RT: 22.14 min Scan# 3600

Delta R.T. 0.01 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

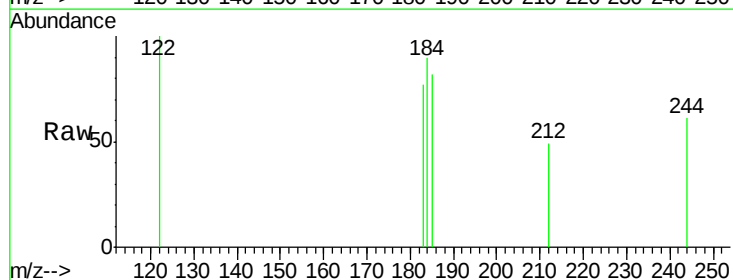
Tgt Ion:184 Resp: 25

Ion Ratio Lower Upper

184 100

185 91.0 11.0 16.6#

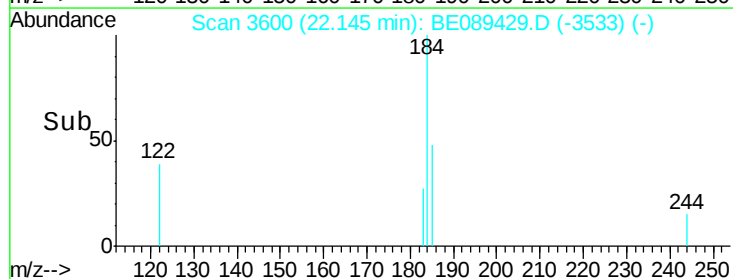
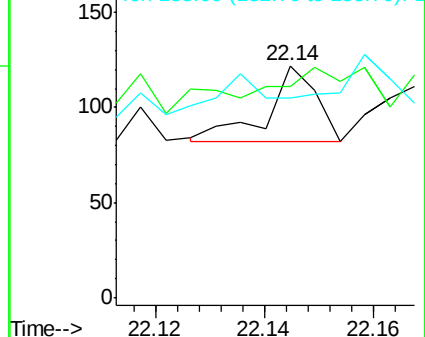
183 86.1 8.6 13.0#

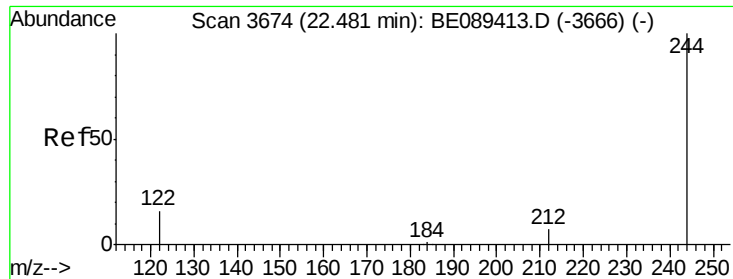


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

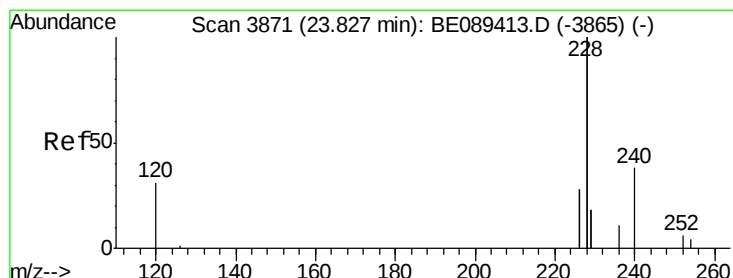
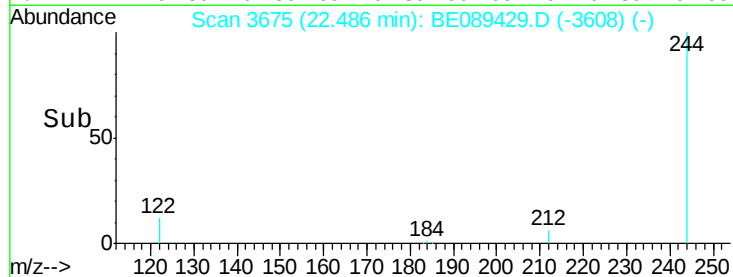
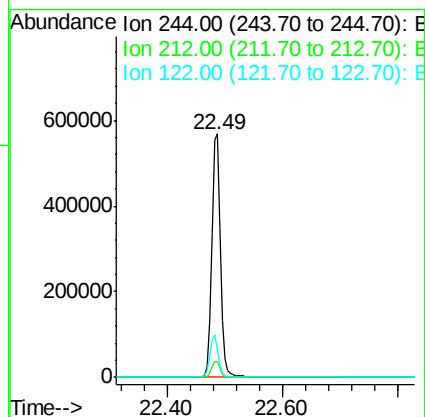
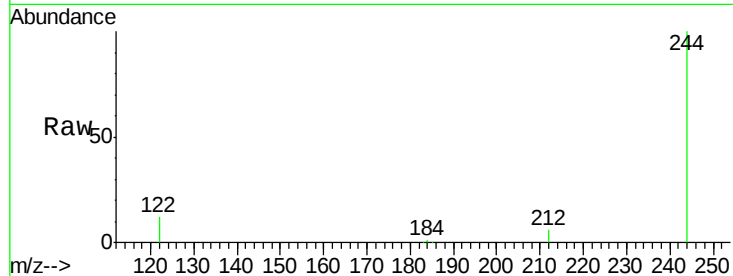




#22
 Terphenyl-d14
 Concen: 10.96 ng
 RT: 22.49 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

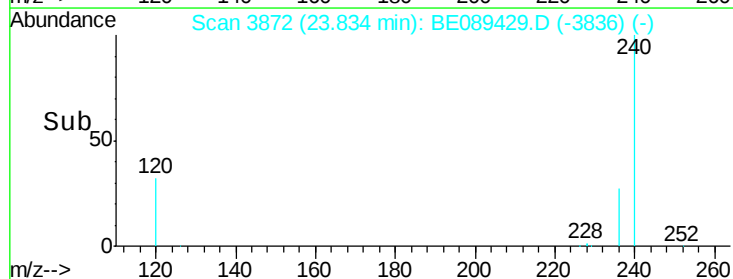
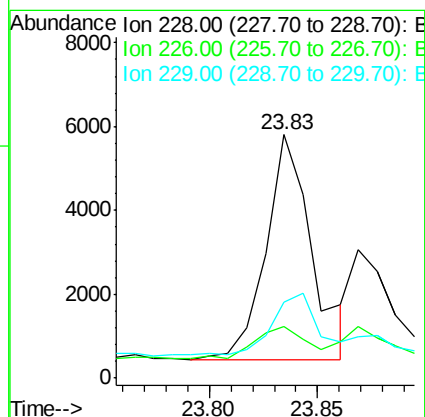
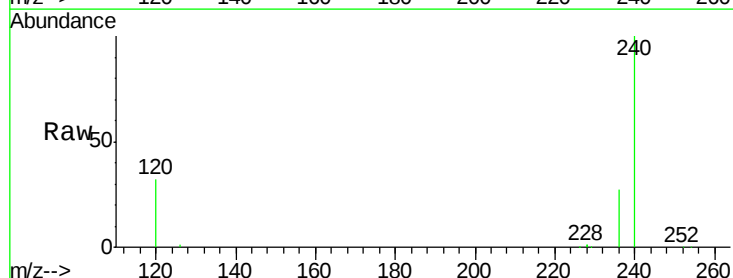
Instrument :
 BNA_E
 ClientSampleId :
 EB-2015-1-16

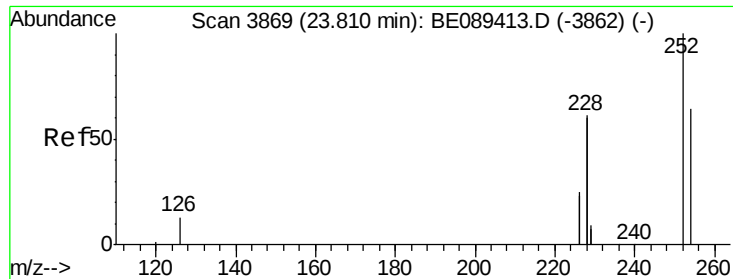
Tgt Ion:244 Resp: 604619
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 11.9 13.2 19.8#



#23
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 23.83 min Scan# 3872
 Delta R.T. 0.01 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

Tgt Ion:228 Resp: 7854
 Ion Ratio Lower Upper
 228 100
 226 21.1 22.6 33.8#
 229 31.2 14.5 21.7#

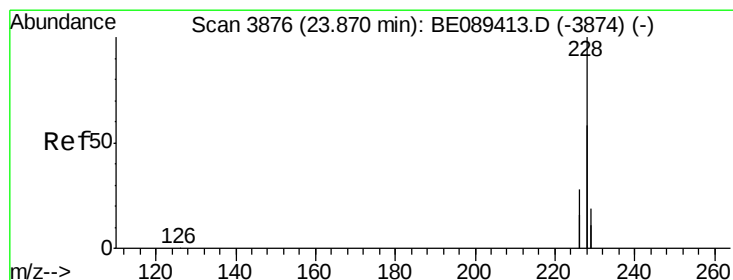
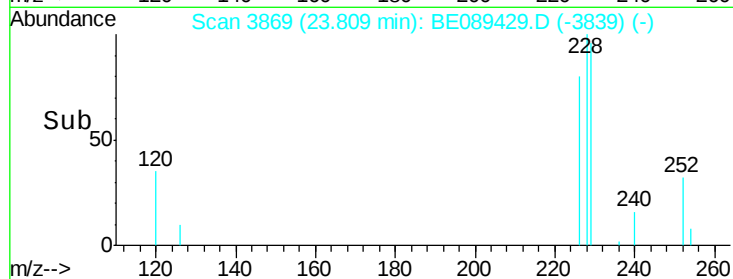
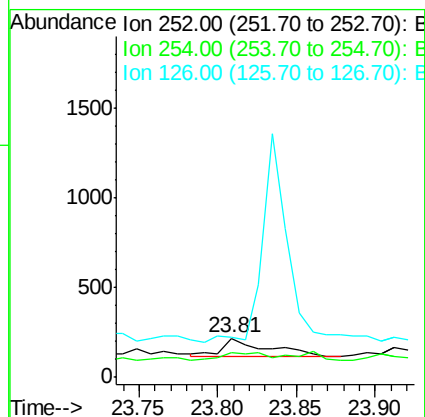
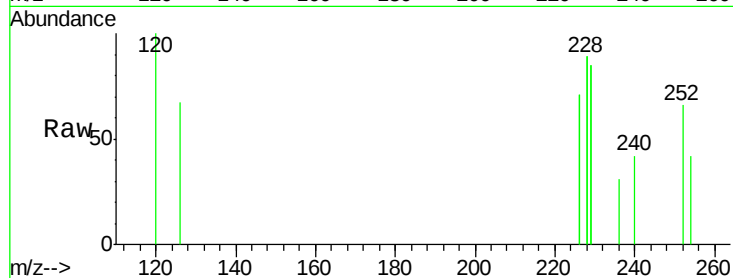




#24
 3,3'-Dichlorobenzidine
 Concen: 0.01 ng
 RT: 23.81 min Scan# 3869
 Delta R.T. -0.00 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

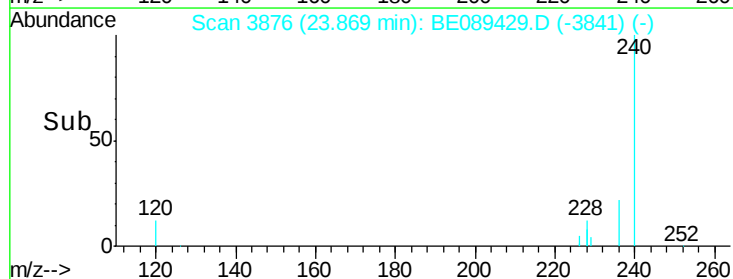
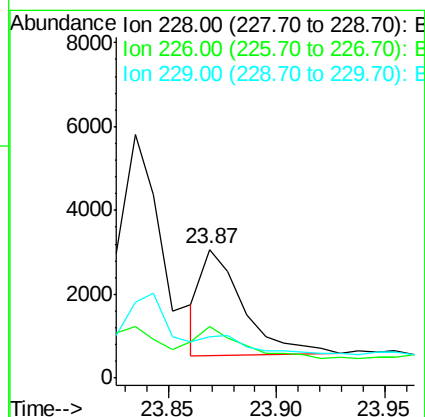
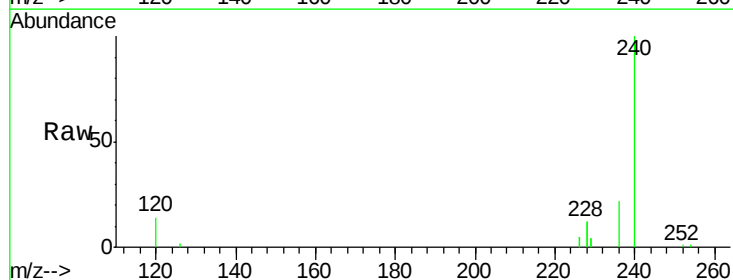
Instrument :
 BNA_E
 ClientSampleId :
 EB-2015-1-16

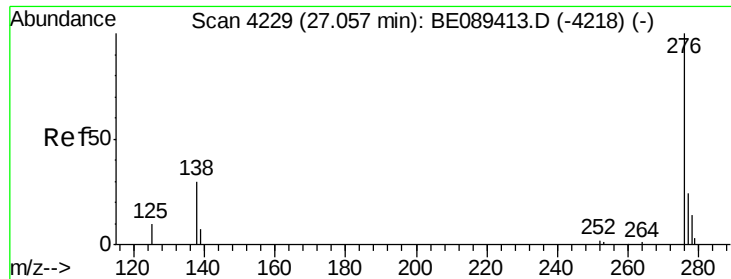
Tgt Ion: 252 Resp: 208
 Ion Ratio Lower Upper
 252 100
 254 63.0 51.1 76.7
 126 100.9 11.5 17.3#



#25
 Chrysene
 Concen: 0.01 ng
 RT: 23.87 min Scan# 3876
 Delta R.T. -0.00 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

Tgt Ion: 228 Resp: 3383
 Ion Ratio Lower Upper
 228 100
 226 39.9 22.6 33.8#
 229 32.1 15.5 23.3#

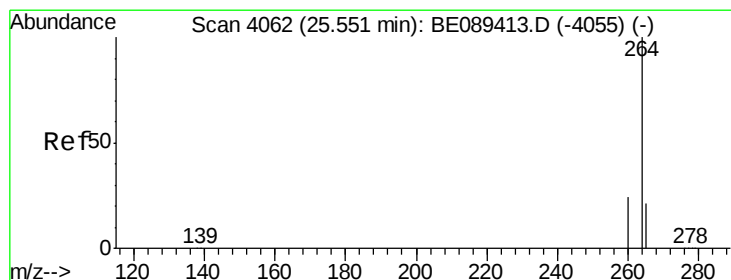
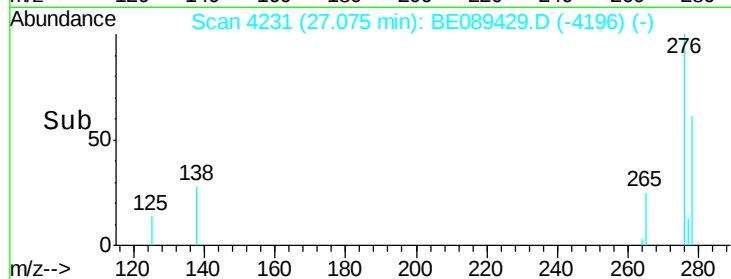
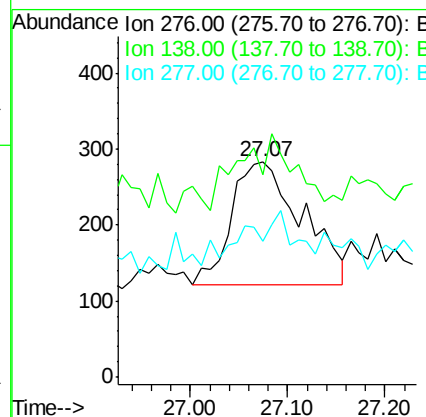
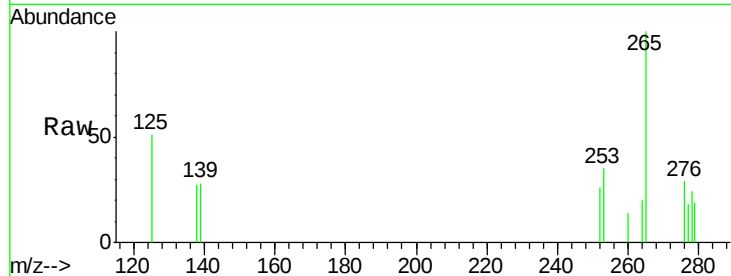




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.01 ng
 RT: 27.07 min Scan# 4231
 Delta R.T. 0.02 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

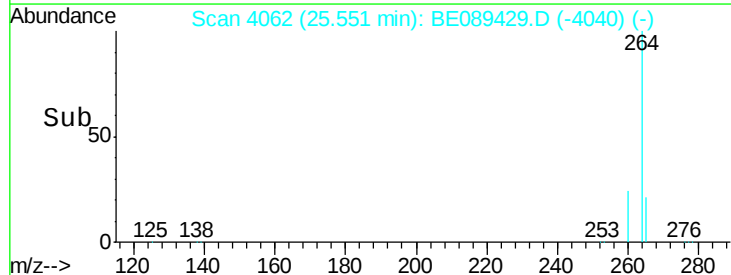
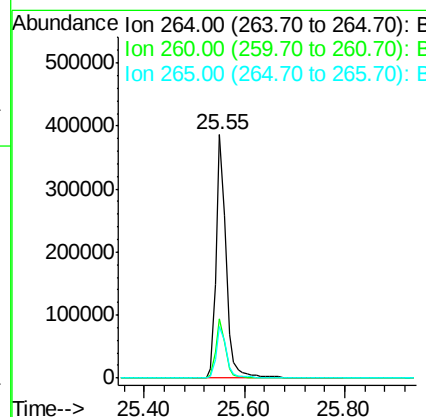
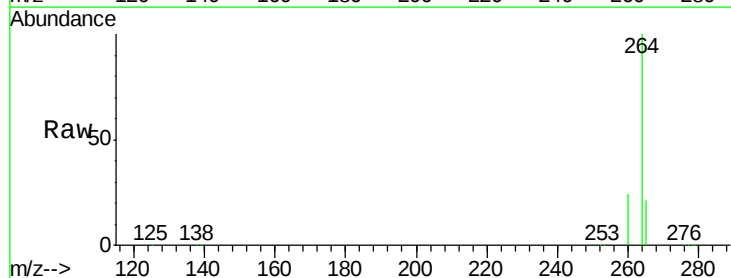
Instrument :
 BNA_E
 ClientSampleId :
 EB-2015-1-16

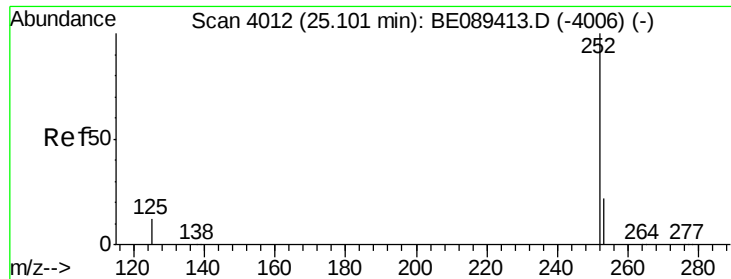
Tgt Ion: 276 Resp: 812
 Ion Ratio Lower Upper
 276 100
 138 24.4 0.0 0.0#
 277 16.5 0.0 0.0#



#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4062
 Delta R.T. -0.00 min
 Lab File: BE089429.D
 Acq: 30 Jan 2015 2:15

Tgt Ion: 264 Resp: 519312
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.0
 265 21.2 17.1 25.7





#28

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 25.10 min Scan# 4012

Delta R.T. 0.00 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-16

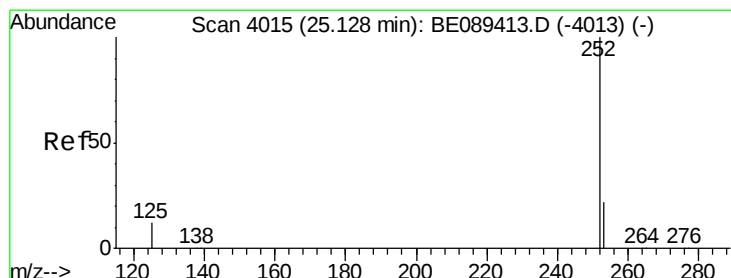
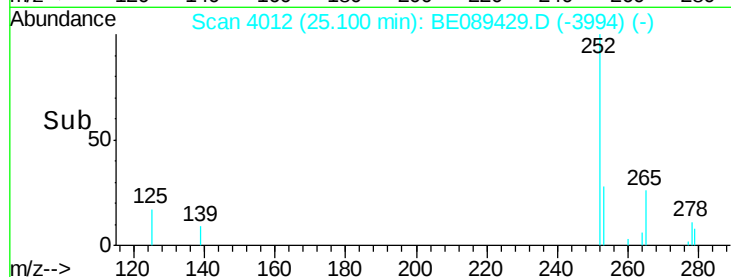
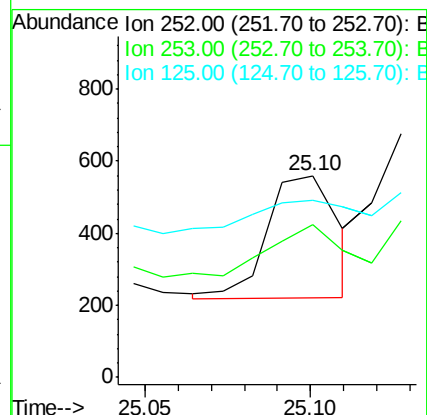
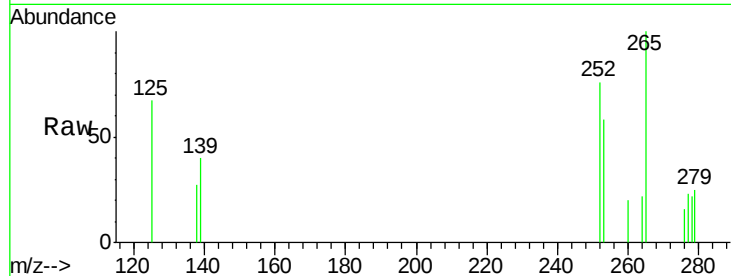
Tgt Ion:252 Resp: 506

Ion Ratio Lower Upper

252 100

253 76.0 17.6 26.4#

125 88.0 10.5 15.7#



#29

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 25.13 min Scan# 4015

Delta R.T. 0.00 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

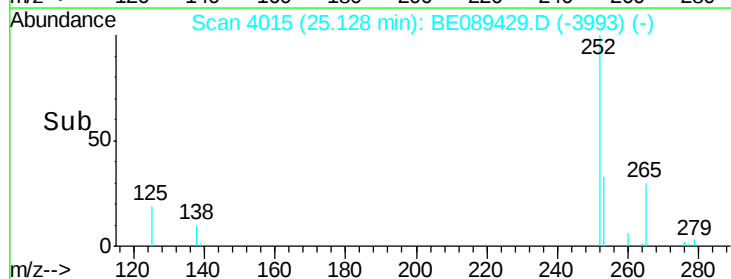
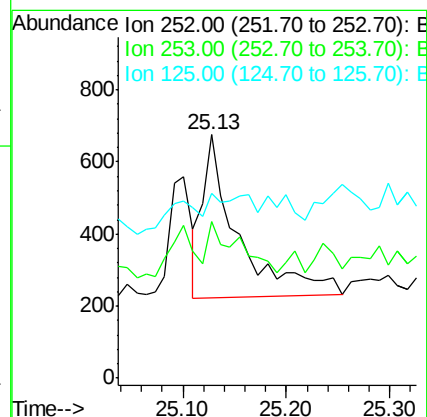
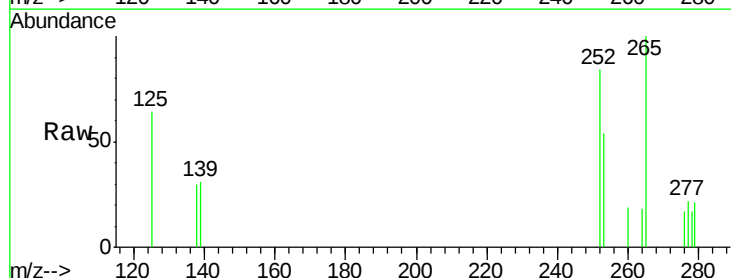
Tgt Ion:252 Resp: 1073

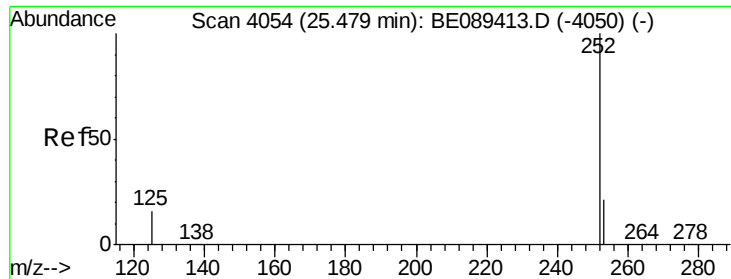
Ion Ratio Lower Upper

252 100

253 64.5 17.4 26.2#

125 76.0 11.0 16.6#





#30

Benzo(a)pyrene

Concen: 0.01 ng

RT: 25.48 min Scan# 4054

Delta R.T. 0.00 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

Instrument :

BNA_E

ClientSampleId :

EB-2015-1-16

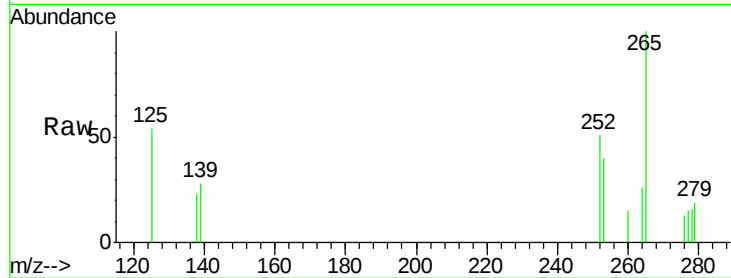
Tgt Ion: 252 Resp: 564

Ion Ratio Lower Upper

252 100

253 77.6 17.3 25.9#

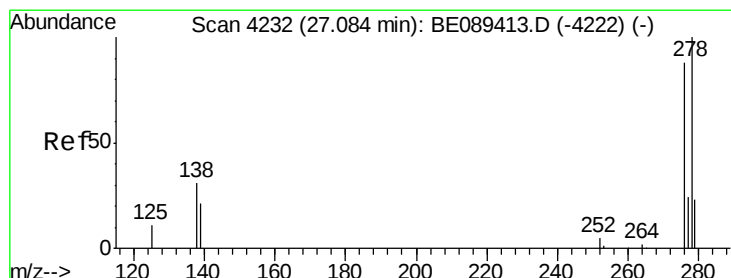
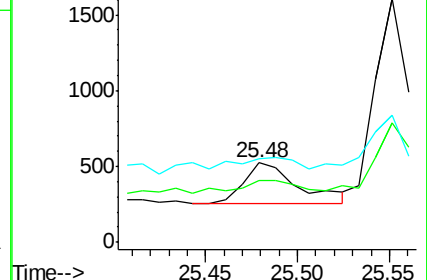
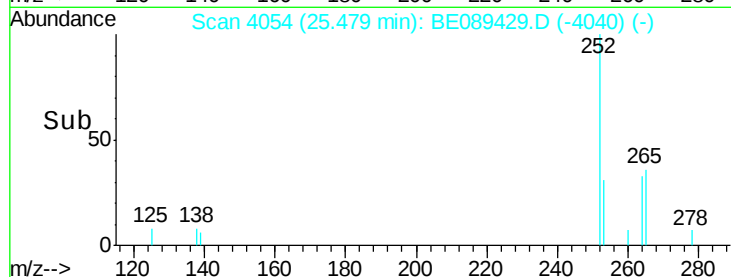
125 105.6 13.0 19.6#



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: 0.01 ng

RT: 27.09 min Scan# 4233

Delta R.T. 0.01 min

Lab File: BE089429.D

Acq: 30 Jan 2015 2:15

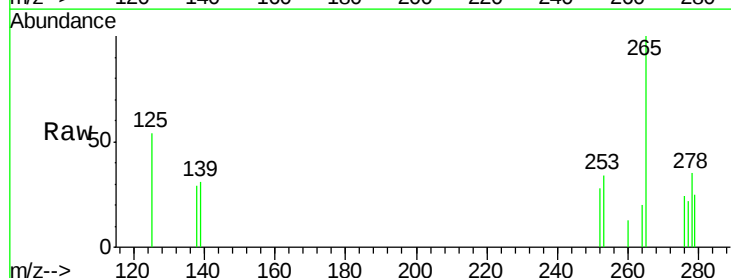
Tgt Ion: 278 Resp: 851

Ion Ratio Lower Upper

278 100

139 88.3 17.2 25.8#

279 71.4 19.2 28.8#



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

