

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012915\
 Data File : BE089428.D
 Acq On : 30 Jan 2015 1:36
 Operator : TP/IZ
 Sample : G1110-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MPE-1

Quant Time: Jan 30 07:40:12 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	117641	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	442336	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	228401	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	492882	5.00	ng	0.00
20) Chrysene-d12	23.85	240	608586	5.00	ng	0.00
27) Perylene-d12	25.57	264	632037	5.00	ng	0.02

System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	117187	2.65	ng	0.00
4) Phenol-d6	8.86	99	85779	1.63	ng	0.00
8) Nitrobenzene-d5	10.85	82	230297	6.40	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	81432	12.92	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	336648	5.28	ng	0.00
22) Terphenyl-d14	22.49	244	568489	8.08	ng	0.00

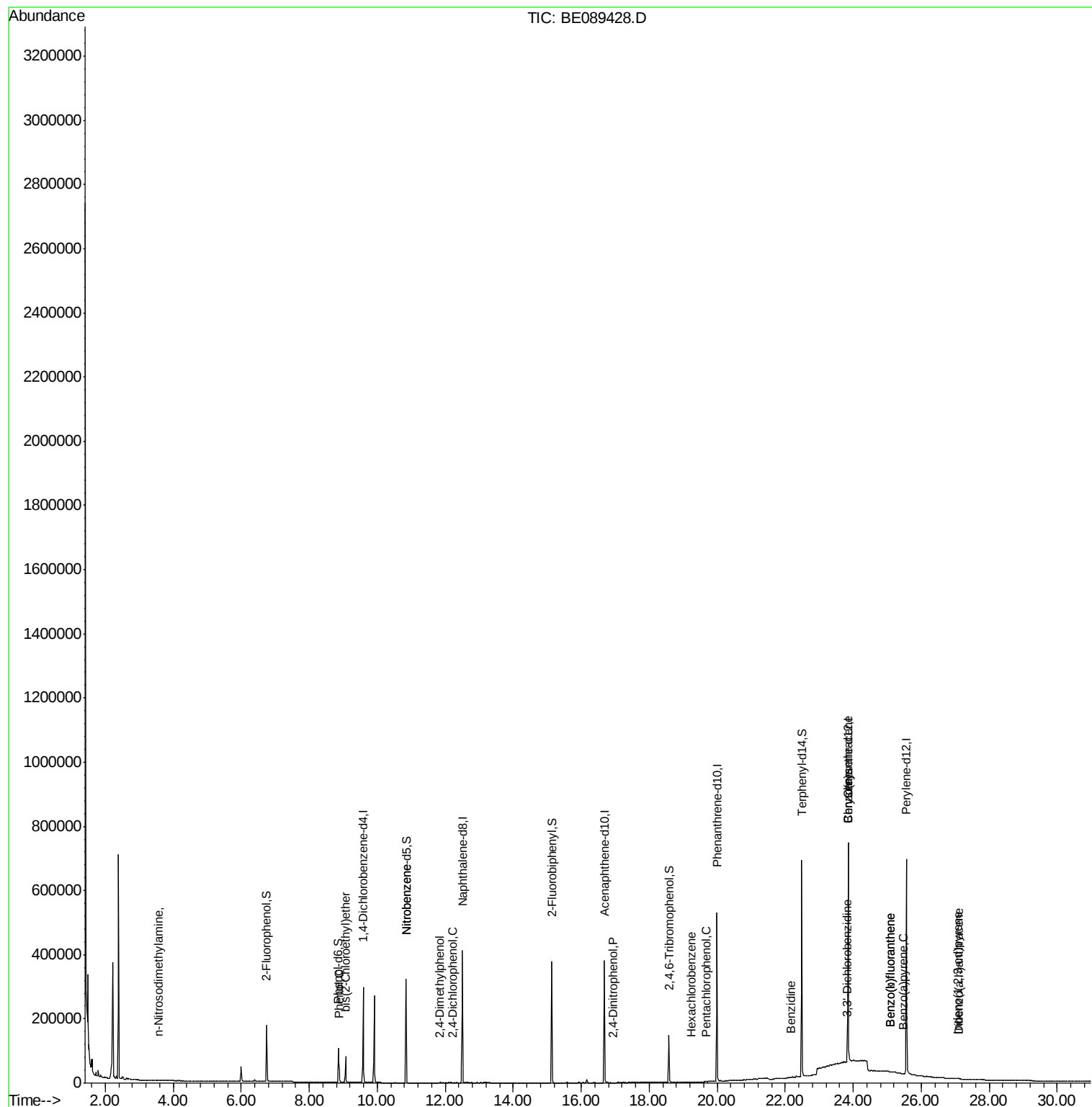
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.58	42	283	0.01	ng	# 1
5) Phenol	8.88	94	30612	0.53	ng	93
6) bis(2-Chloroethyl)ether	9.07	93	398	0.01	ng	# 1
9) Nitrobenzene	10.85	77	940	0.02	ng	# 38
10) 2,4-Dimethylphenol	11.83	122	252	0.01	ng	# 92
11) 2,4-Dichlorophenol	12.22	162	64	0.00	ng	# 21
16) 2,4-Dinitrophenol	16.92	184	57	0.03	ng	# 1
18) Hexachlorobenzene	19.23	284	36	0.00	ng	# 1
19) Pentachlorophenol	19.66	266	160	0.04	ng	# 86
21) Benzidine	22.16	184	413	0.01	ng	# 1
23) Benzo(a)anthracene	23.83	228	20055	0.04	ng	# 3
24) 3,3'-Dichlorobenzidine	23.81	252	595	0.02	ng	# 1
25) Chrysene	23.83	228	20055	0.03	ng	# 5
26) Indeno(1,2,3-cd)pyrene	27.07	276	1234	0.01	ng	# 100
28) Benzo(b)fluoranthene	25.11	252	719	0.01	ng	# 1
29) Benzo(k)fluoranthene	25.11	252	719	0.00	ng	# 1
30) Benzo(a)pyrene	25.50	252	609	0.01	ng	# 1
31) Dibenzo(a,h)anthracene	27.11	278	966	0.01	ng	# 1

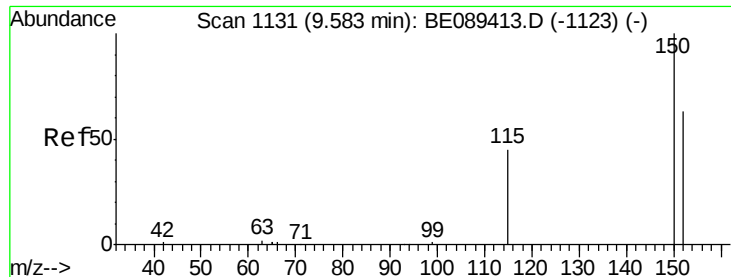
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089428.D

Acq: 30 Jan 2015 1:36

Instrument :

BNA_E

ClientSampleId :

MPE-1

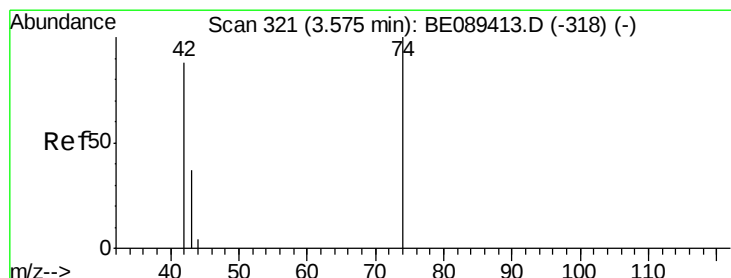
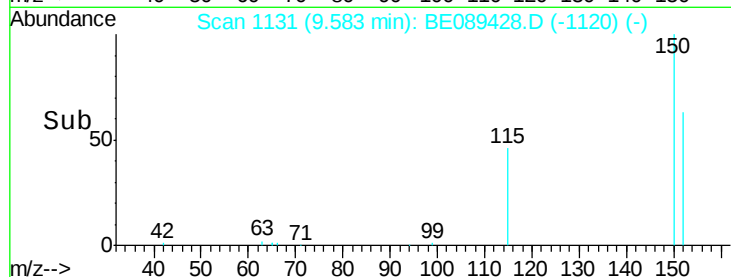
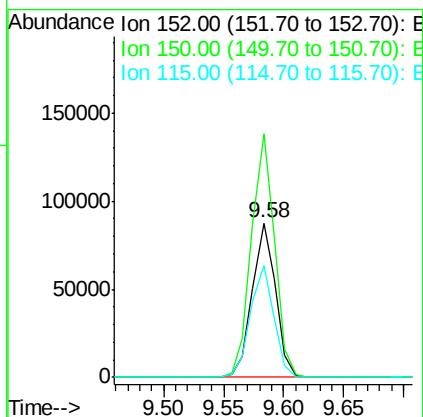
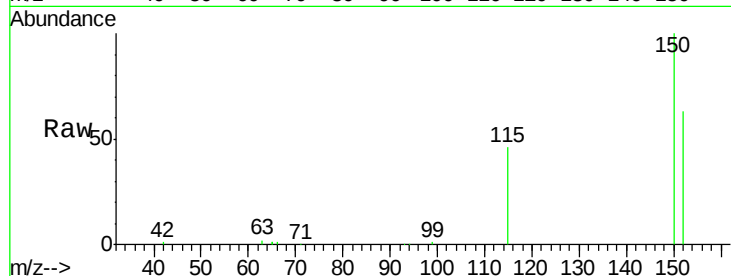
Tgt Ion:152 Resp: 117641

Ion Ratio Lower Upper

152 100

150 158.0 126.1 189.1

115 72.2 57.1 85.7



#2

n-Nitrosodimethylamine

Concen: 0.01 ng

RT: 3.58 min Scan# 322

Delta R.T. 0.01 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

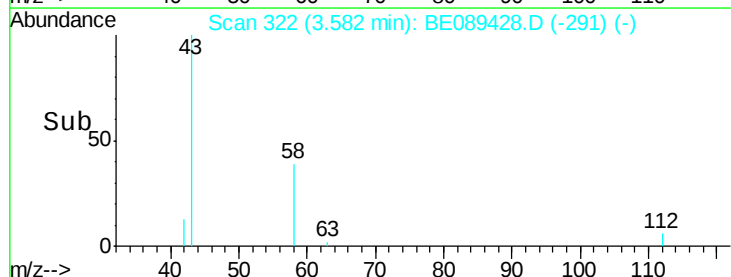
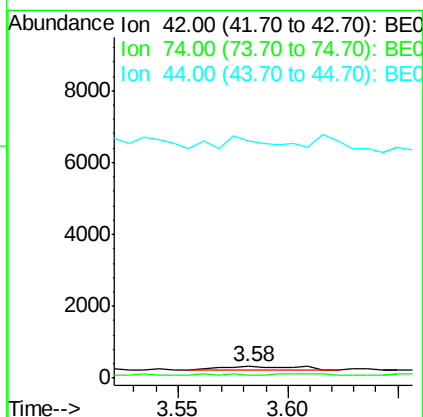
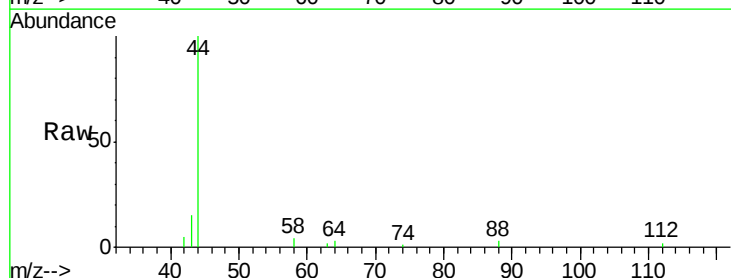
Tgt Ion: 42 Resp: 283

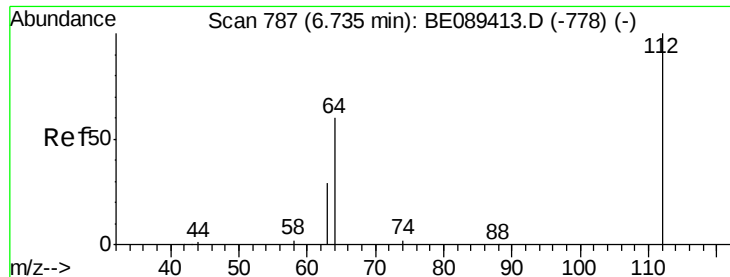
Ion Ratio Lower Upper

42 100

74 31.1 90.2 135.2#

44 2077.7 19.4 29.2#

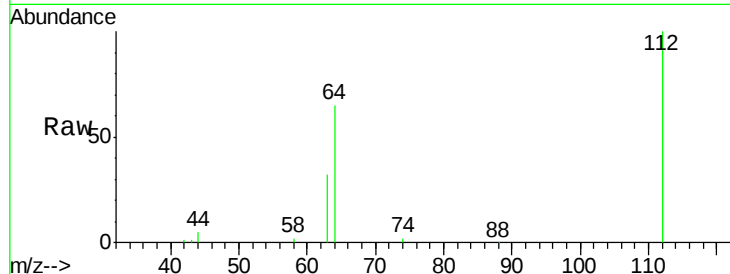




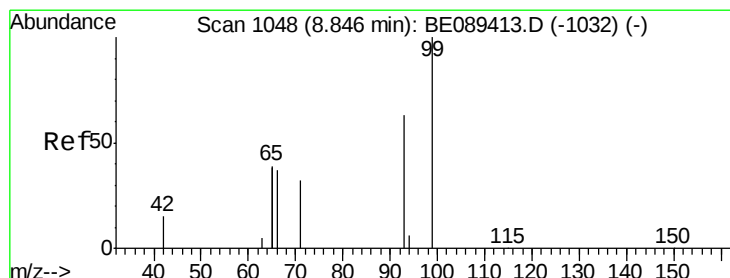
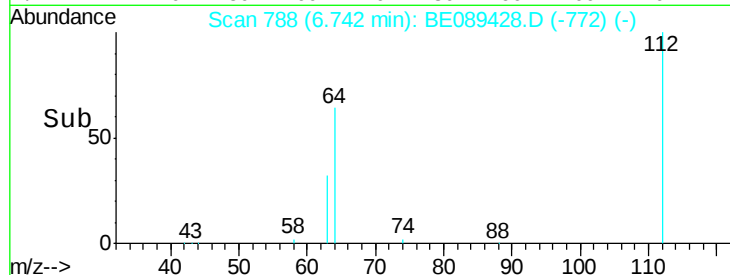
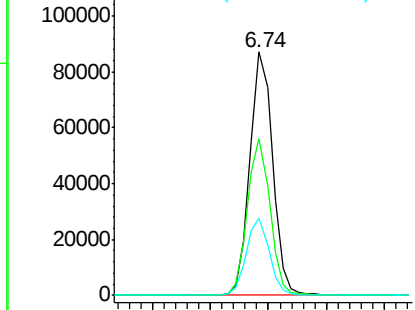
#3
 2-Fluorophenol
 Concen: 2.65 ng
 RT: 6.74 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BE089428.D
 Acq: 30 Jan 2015 1:36

Instrument :
 BNA_E
 ClientSampleId :
 MPE-1

Tgt Ion: 112 Resp: 117187
 Ion Ratio Lower Upper
 112 100
 64 64.5 48.2 72.4
 63 31.8 23.5 35.3

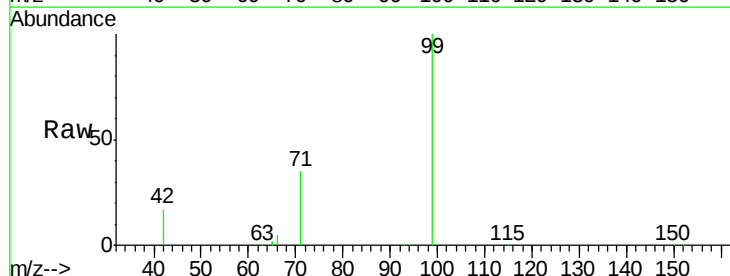


Abundance Ion 112.00 (111.70 to 112.70): BE0
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0

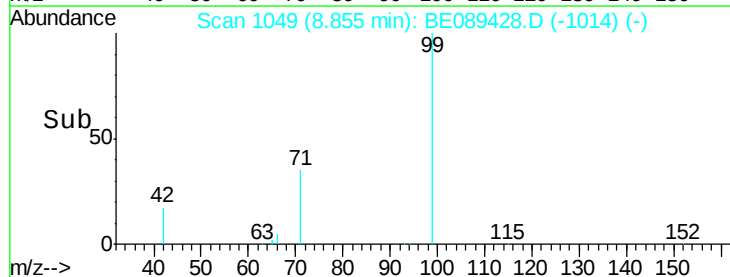
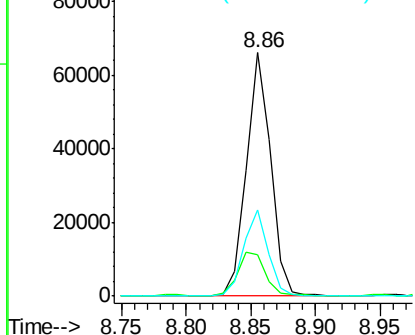


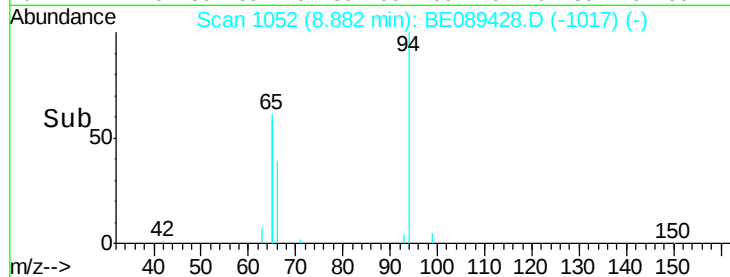
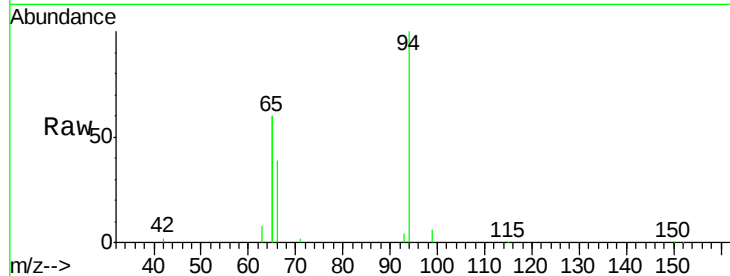
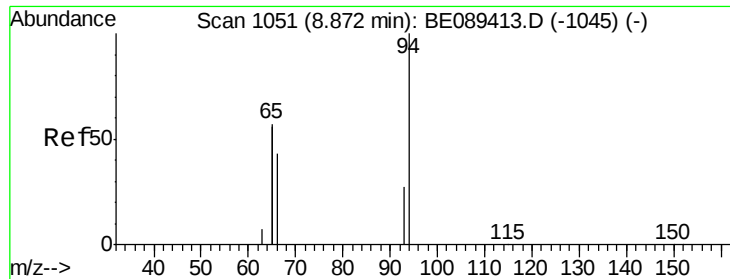
#4
 Phenol-d6
 Concen: 1.63 ng
 RT: 8.86 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BE089428.D
 Acq: 30 Jan 2015 1:36

Tgt Ion: 99 Resp: 85779
 Ion Ratio Lower Upper
 99 100
 42 16.9 11.9 17.9
 71 35.5 25.8 38.6



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: 0.53 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

Instrument :

BNA_E

ClientSampled :

MPE-1

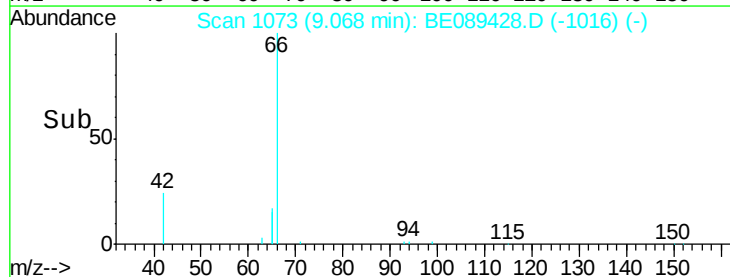
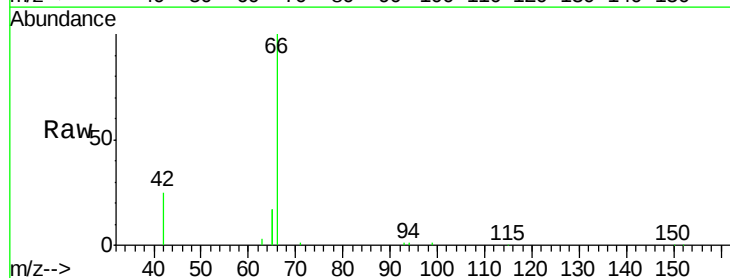
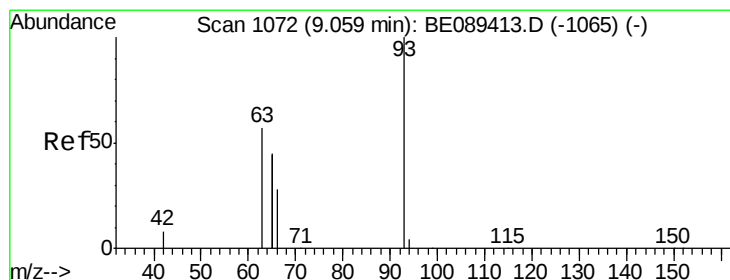
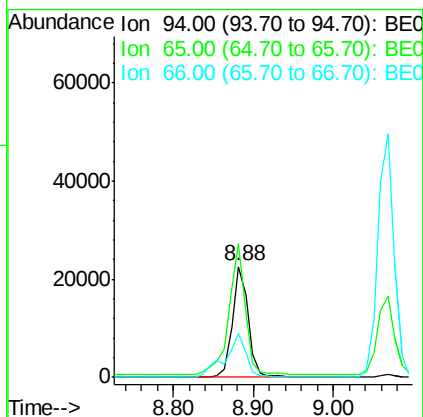
Tgt Ion: 94 Resp: 30612

Ion Ratio Lower Upper

94 100

65 120.7 93.3 133.3

66 39.4 23.6 63.6



#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 9.07 min Scan# 1073

Delta R.T. 0.01 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

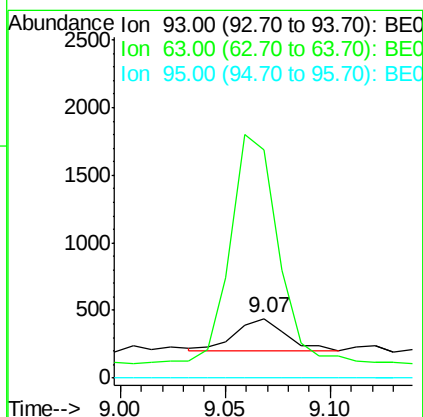
Tgt Ion: 93 Resp: 398

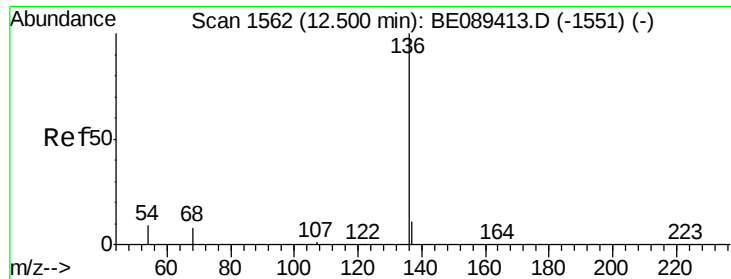
Ion Ratio Lower Upper

93 100

63 676.1 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: BE089428.D

Acq: 30 Jan 2015 1:36

Instrument :

BNA_E

ClientSampleId :

MPE-1

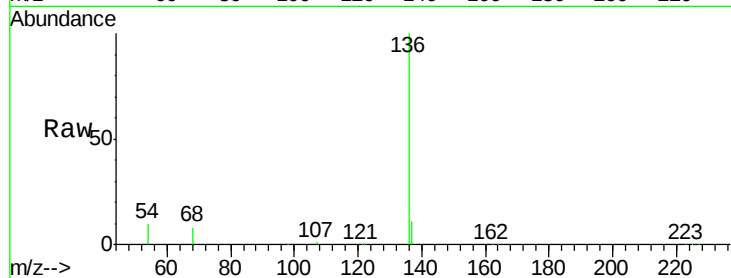
Tgt Ion: 136 Resp: 442336

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

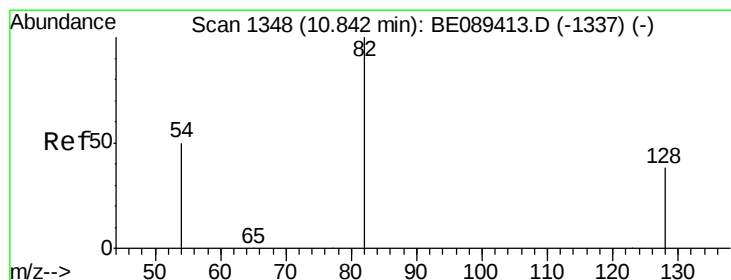
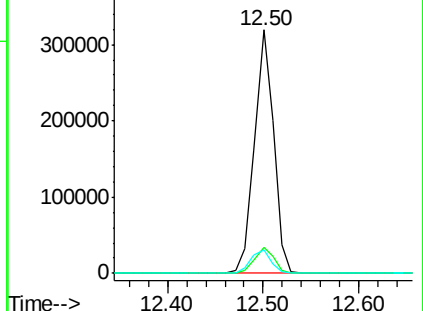
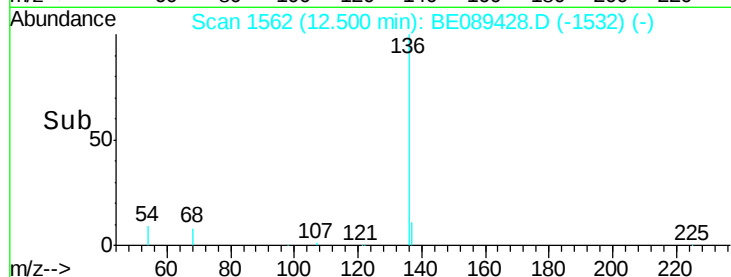
54 9.5 7.5 11.3



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: 6.40 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

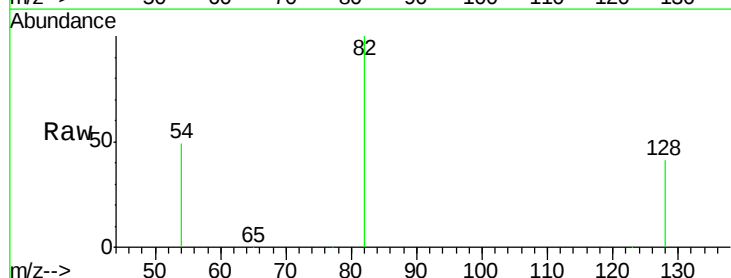
Tgt Ion: 82 Resp: 230297

Ion Ratio Lower Upper

82 100

128 40.9 31.0 46.4

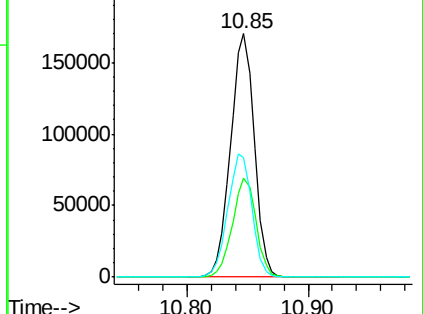
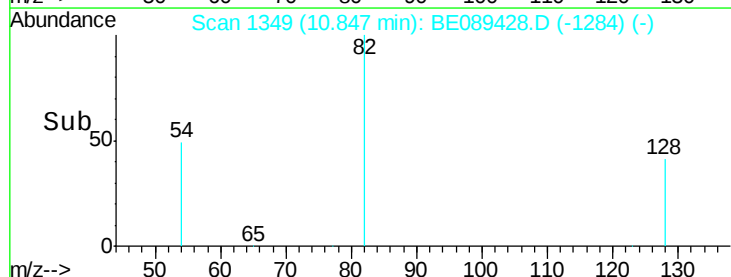
54 48.8 39.8 59.6

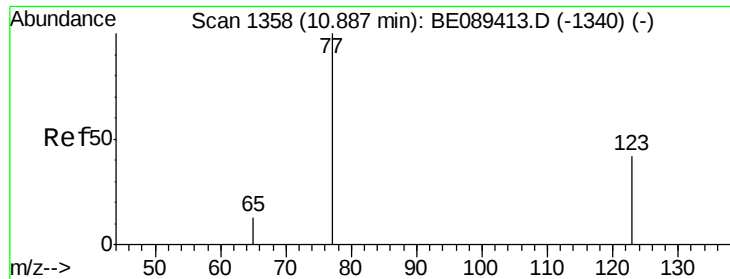


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.02 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.04 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

Instrument :

BNA_E

ClientSampled :

MPE-1

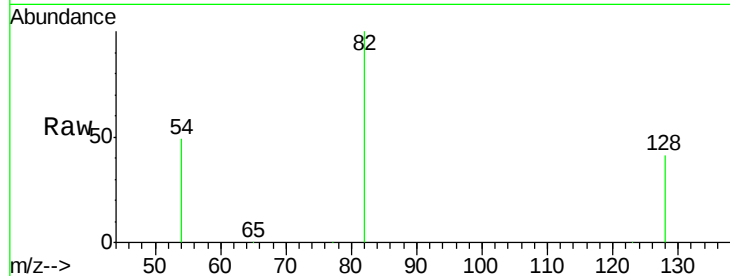
Tgt Ion: 77 Resp: 940

Ion Ratio Lower Upper

77 100

123 2.6 32.8 49.2#

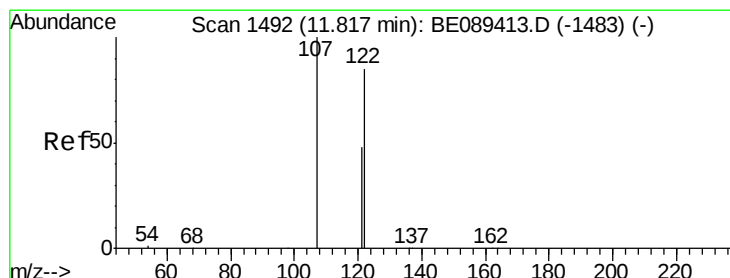
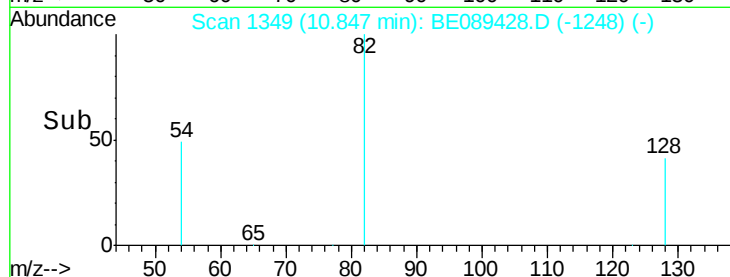
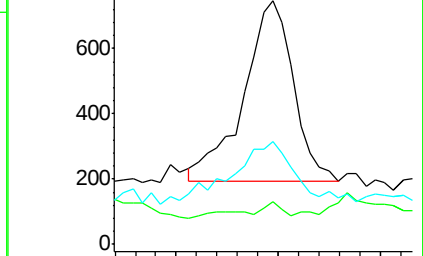
65 40.1 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.01 ng

RT: 11.83 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

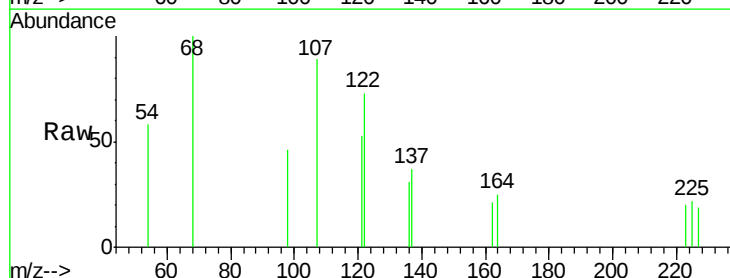
Tgt Ion: 122 Resp: 252

Ion Ratio Lower Upper

122 100

107 121.5 94.6 142.0

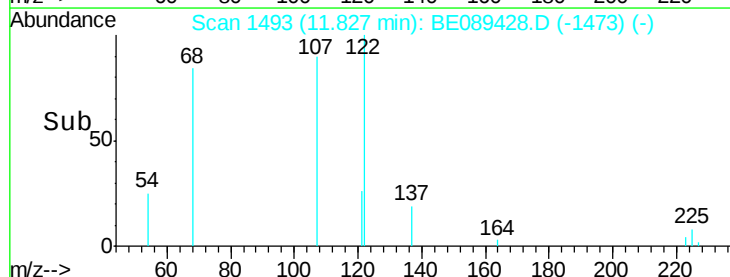
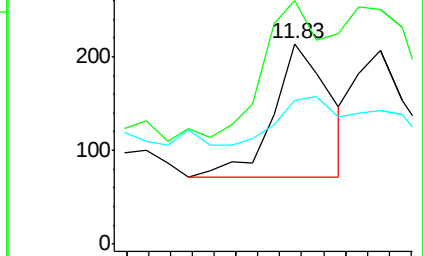
121 72.0 45.8 68.6#

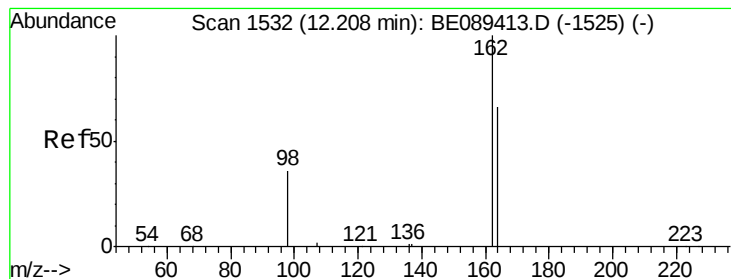


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#11

2,4-Dichlorophenol

Concen: 0.00 ng

RT: 12.22 min Scan# 1533

Delta R.T. 0.01 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

Instrument :

BNA_E

ClientSampleId :

MPE-1

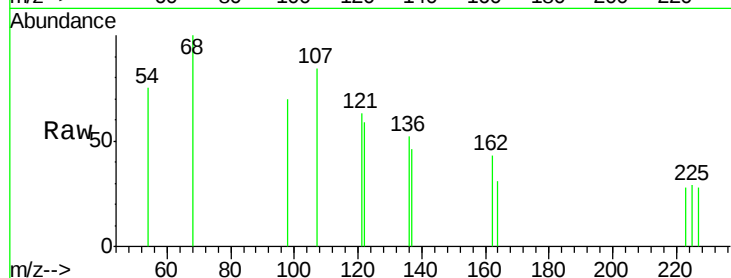
Tgt Ion:162 Resp: 64

Ion Ratio Lower Upper

162 100

164 70.5 46.1 86.1

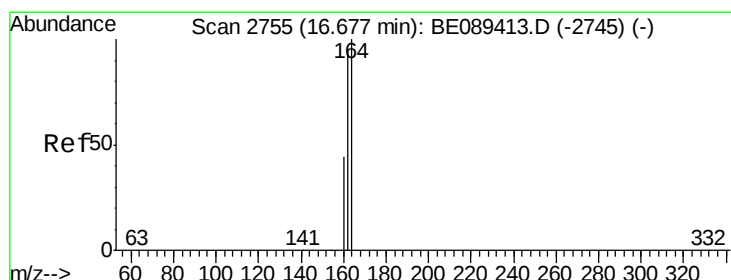
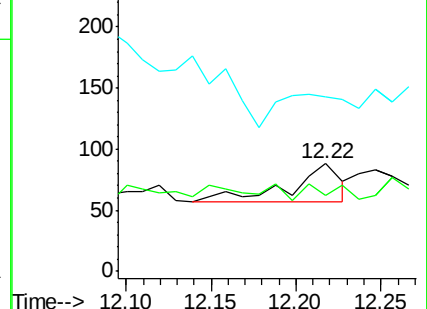
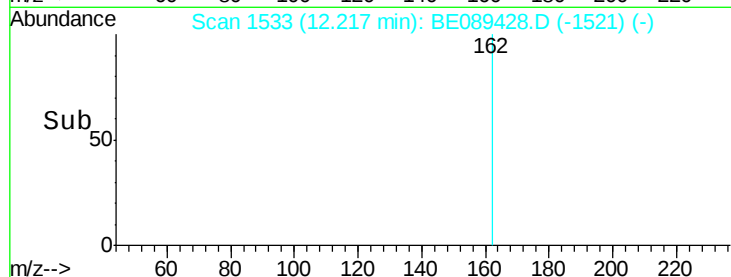
98 162.5 16.2 56.2#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BE0



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

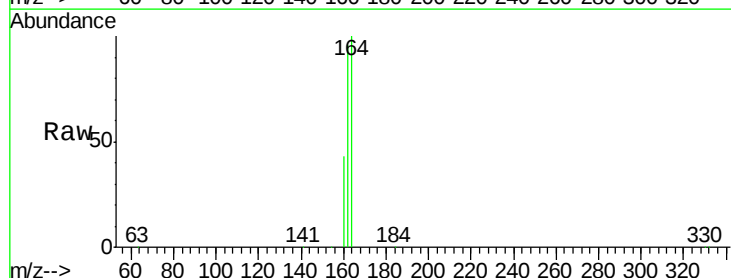
Tgt Ion:164 Resp: 228401

Ion Ratio Lower Upper

164 100

162 95.8 77.0 115.6

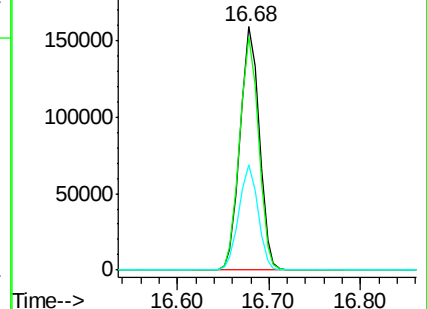
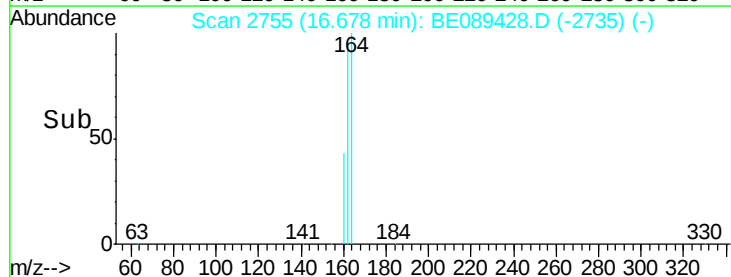
160 43.4 35.0 52.4

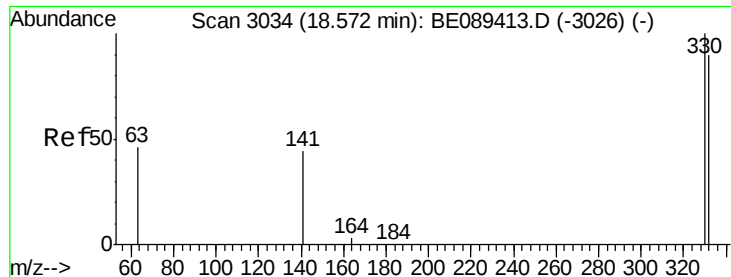


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

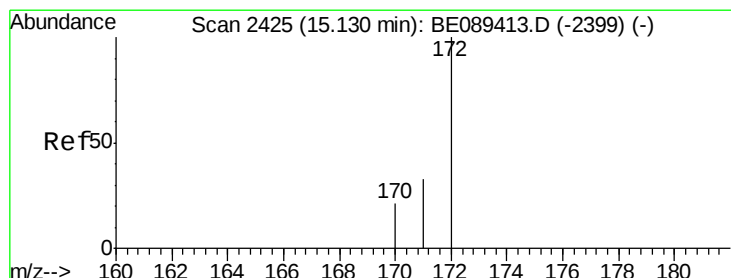
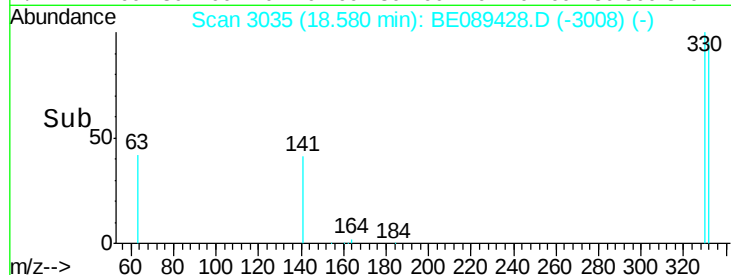
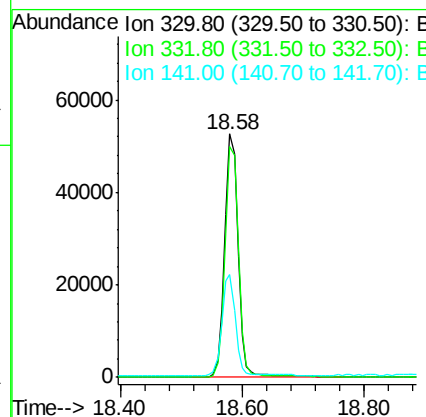
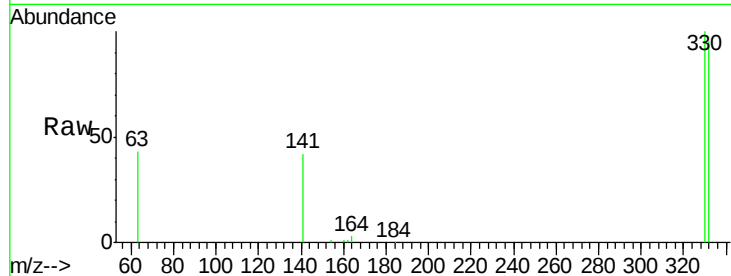




#14
 2,4,6-Tribromophenol
 Concen: 12.92 ng
 RT: 18.58 min Scan# 3035
 Delta R.T. 0.01 min
 Lab File: BE089428.D
 Acq: 30 Jan 2015 1:36

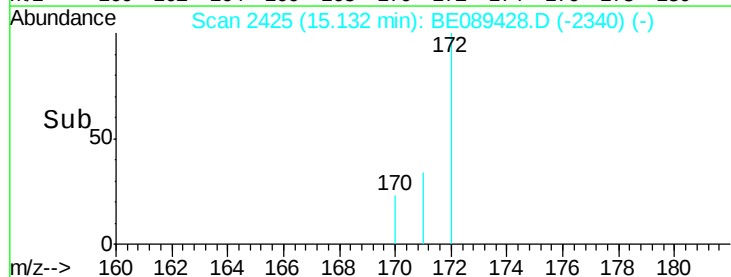
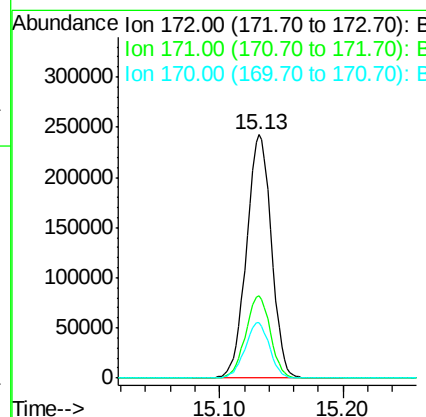
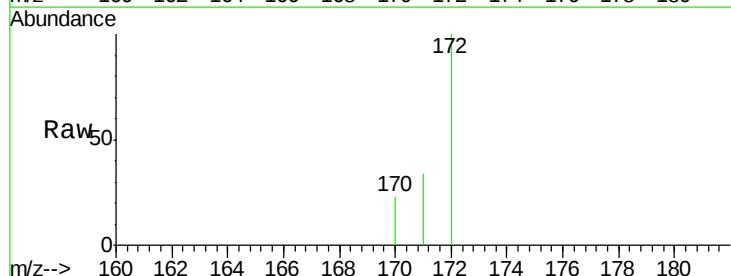
Instrument :
 BNA_E
 ClientSampleId :
 MPE-1

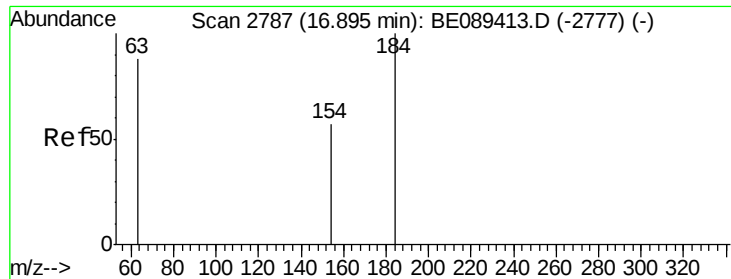
Tgt Ion:330 Resp: 81432
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.0 114.0
 141 40.8 35.6 53.4



#15
 2-Fluorobiphenyl
 Concen: 5.28 ng
 RT: 15.13 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BE089428.D
 Acq: 30 Jan 2015 1:36

Tgt Ion:172 Resp: 336648
 Ion Ratio Lower Upper
 172 100
 171 33.9 26.6 39.8
 170 22.7 17.1 25.7

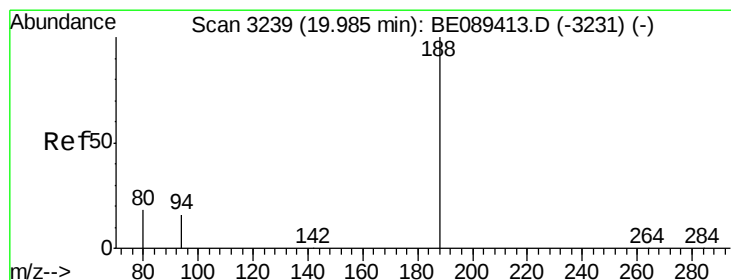
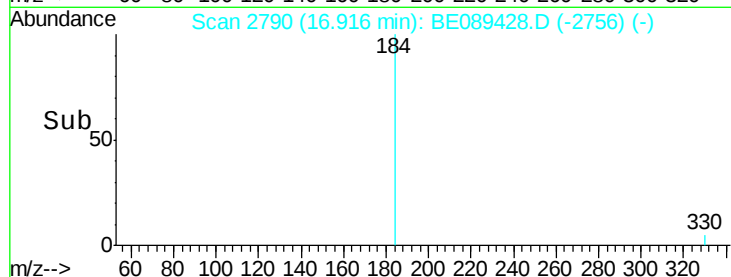
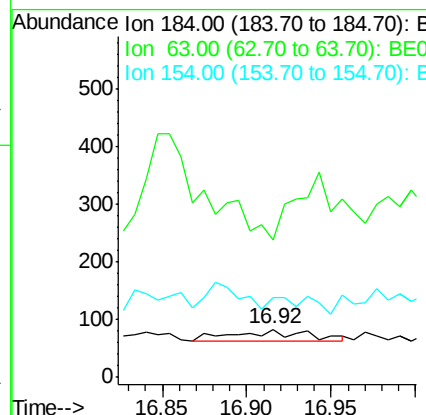
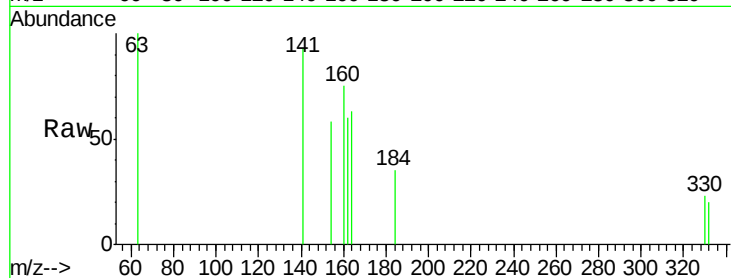




#16
 2,4-Dinitrophenol
 Concen: 0.03 ng
 RT: 16.92 min Scan# 2790
 Delta R.T. 0.02 min
 Lab File: BE089428.D
 Acq: 30 Jan 2015 1:36

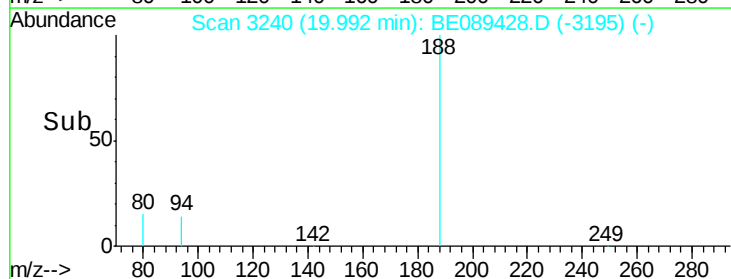
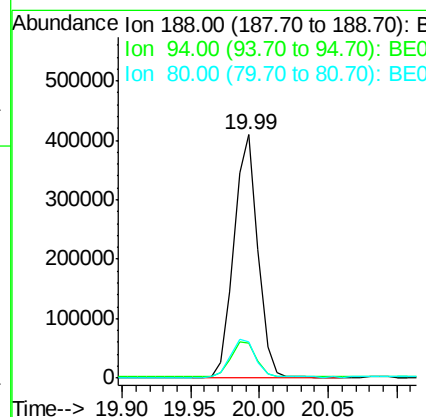
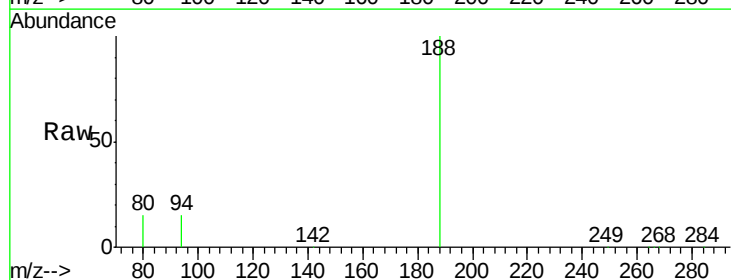
Instrument :
 BNA_E
 ClientSampled :
 MPE-1

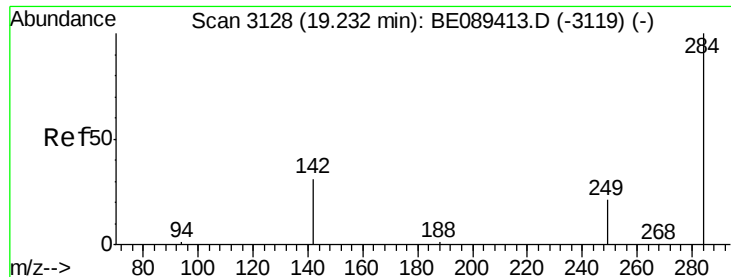
Tgt Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 286.7 79.0 118.4#
 154 166.3 55.8 83.6#



#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3240
 Delta R.T. 0.01 min
 Lab File: BE089428.D
 Acq: 30 Jan 2015 1:36

Tgt Ion:188 Resp: 492882
 Ion Ratio Lower Upper
 188 100
 94 14.6 13.0 19.6
 80 15.0 14.2 21.4

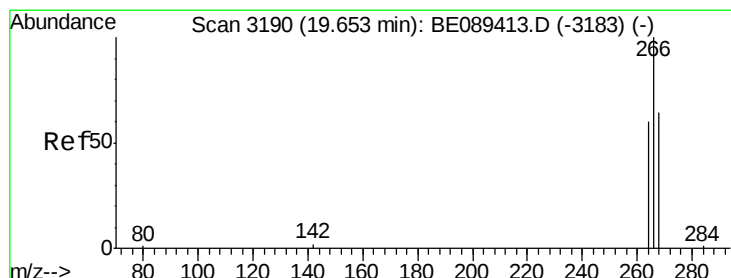
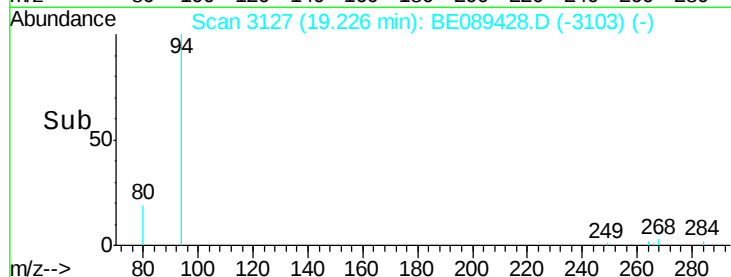
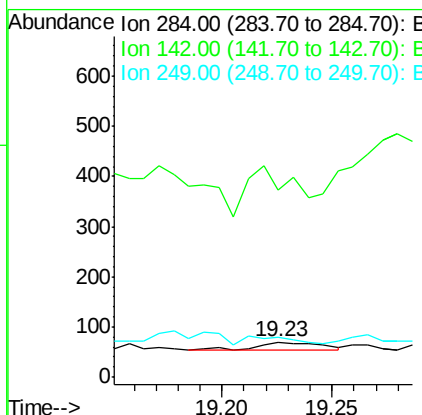
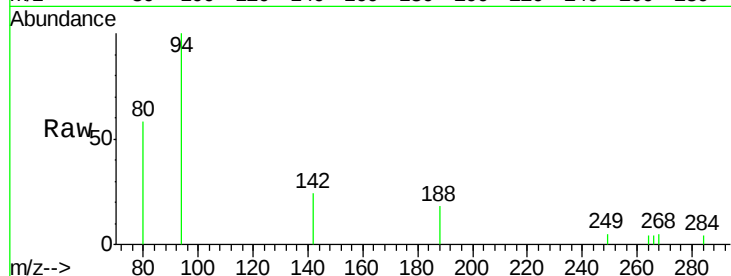




#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.23 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BE089428.D
Acq: 30 Jan 2015 1:36

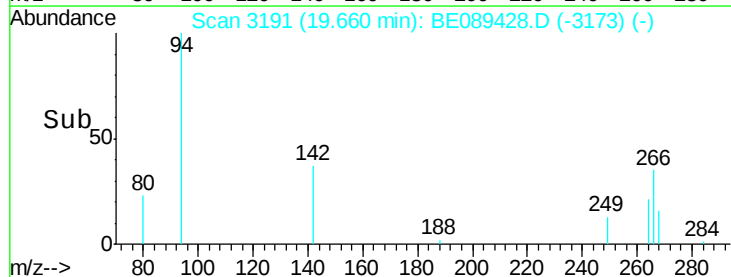
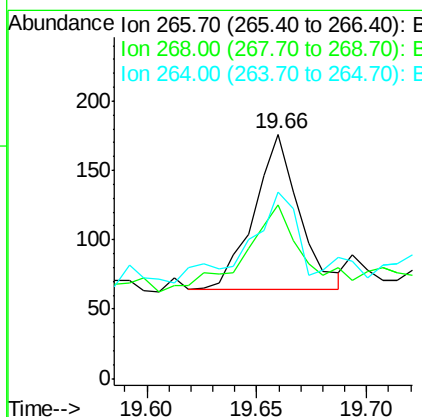
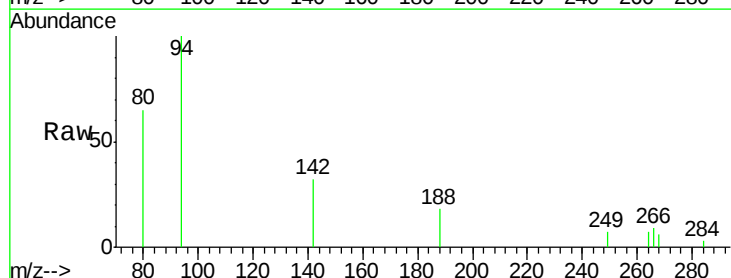
Instrument :
BNA_E
ClientSampleId :
MPE-1

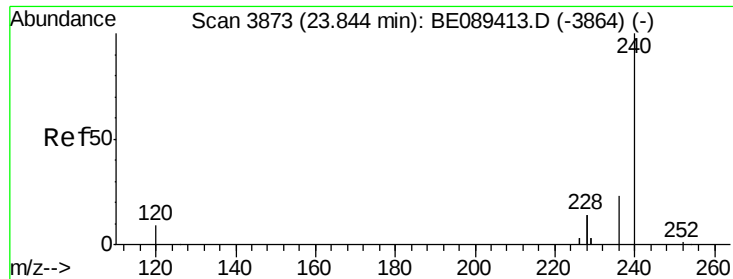
Tgt Ion: 284 Resp: 36
Ion Ratio Lower Upper
284 100
142 534.3 28.3 42.5#
249 112.9 19.9 29.9#



#19
Pentachlorophenol
Concen: 0.04 ng
RT: 19.66 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BE089428.D
Acq: 30 Jan 2015 1:36

Tgt Ion: 266 Resp: 160
Ion Ratio Lower Upper
266 100
268 71.0 51.9 77.9
264 76.1 48.5 72.7#

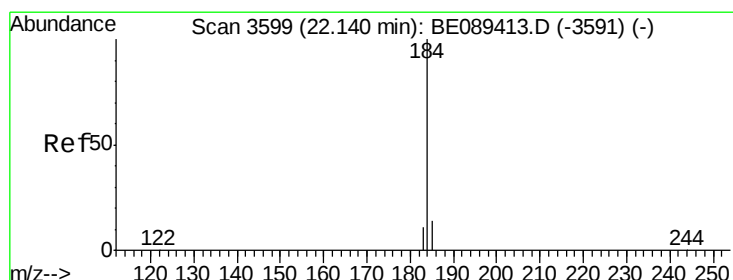
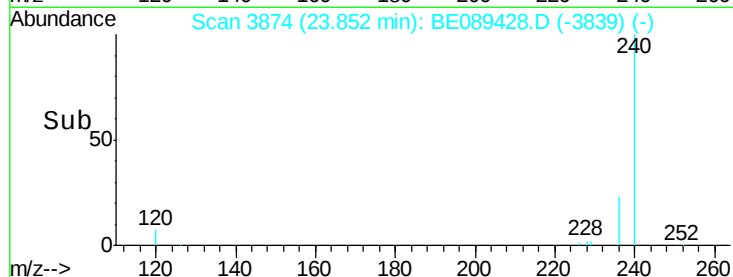
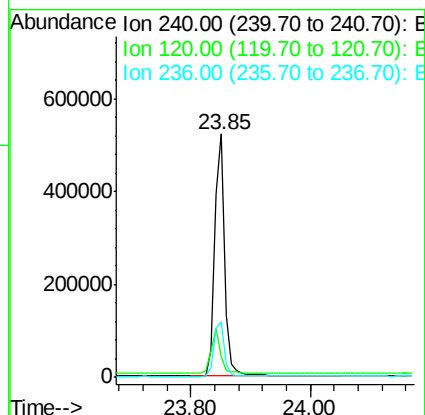
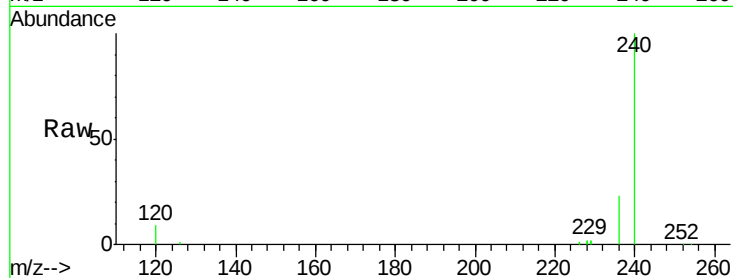




#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.85 min Scan# 3874
Delta R.T. 0.01 min
Lab File: BE089428.D
Acq: 30 Jan 2015 1:36

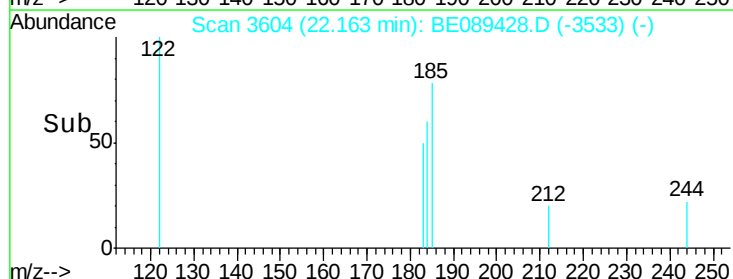
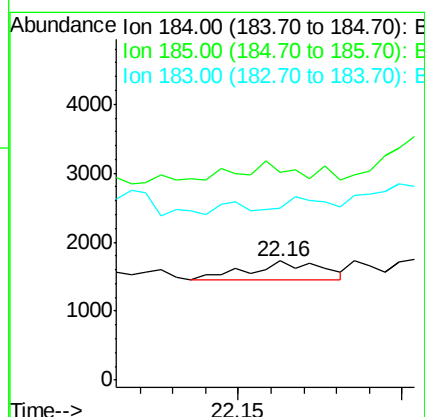
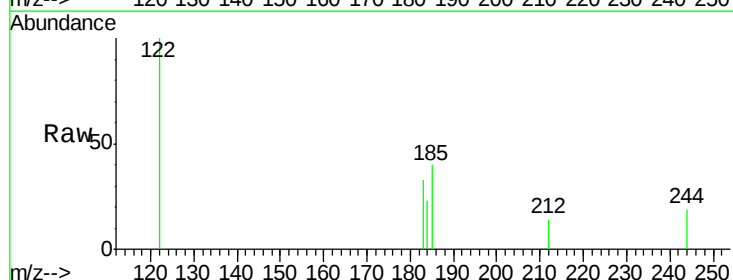
Instrument :
BNA_E
ClientSampleId :
MPE-1

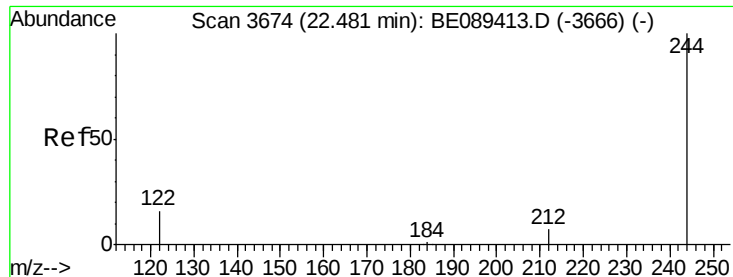
Tgt Ion:240 Resp: 608586
Ion Ratio Lower Upper
240 100
120 8.7 6.9 10.3
236 23.0 18.2 27.2



#21
Benzidine
Concen: 0.01 ng
RT: 22.16 min Scan# 3604
Delta R.T. 0.02 min
Lab File: BE089428.D
Acq: 30 Jan 2015 1:36

Tgt Ion:184 Resp: 413
Ion Ratio Lower Upper
184 100
185 173.9 11.0 16.6#
183 144.0 8.6 13.0#





#22

Terphenyl-d14

Concen: 8.08 ng

RT: 22.49 min Scan# 3675

Delta R.T. 0.00 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

Instrument :

BNA_E

ClientSampleId :

MPE-1

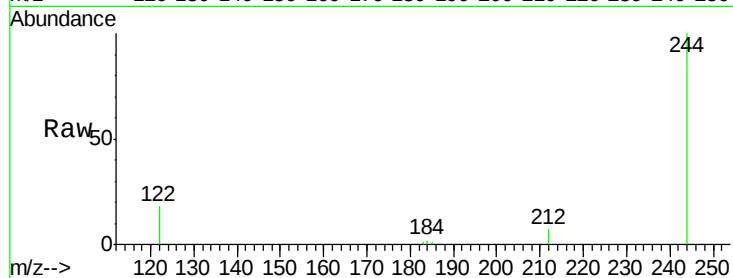
Tgt Ion:244 Resp: 568489

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

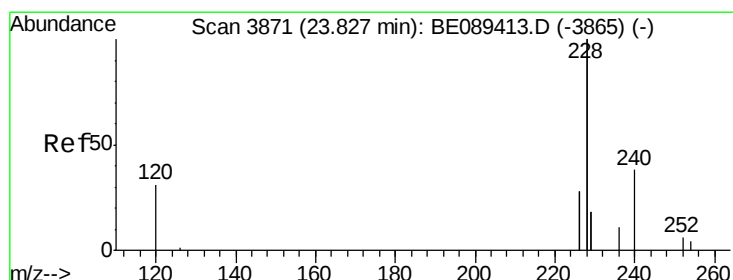
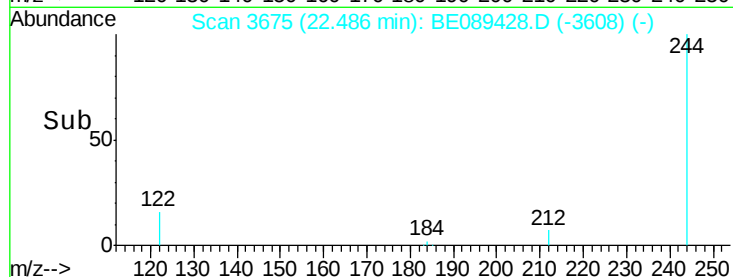
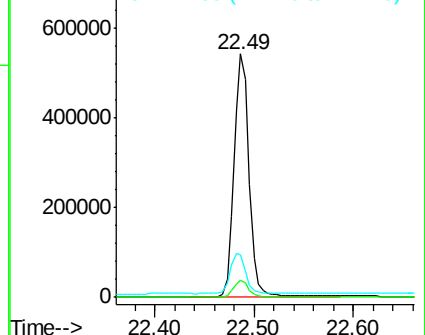
122 17.5 13.2 19.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#23

Benzo(a)anthracene

Concen: 0.04 ng

RT: 23.83 min Scan# 3872

Delta R.T. 0.01 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

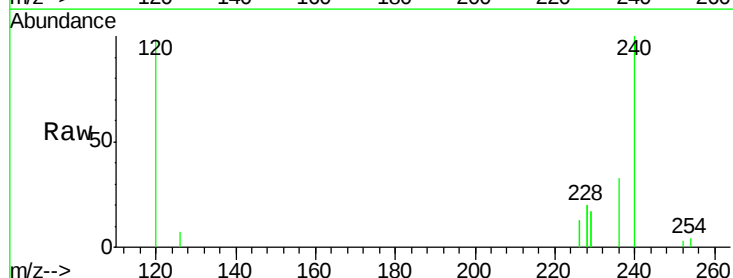
Tgt Ion:228 Resp: 20055

Ion Ratio Lower Upper

228 100

226 62.8 22.6 33.8#

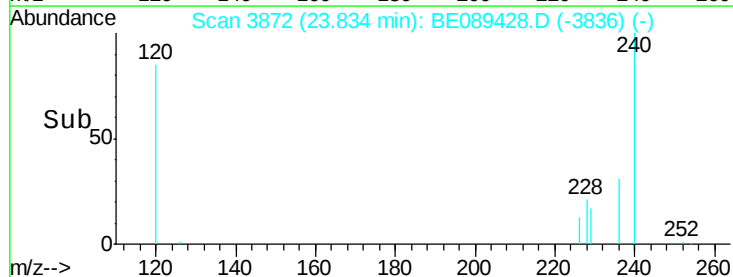
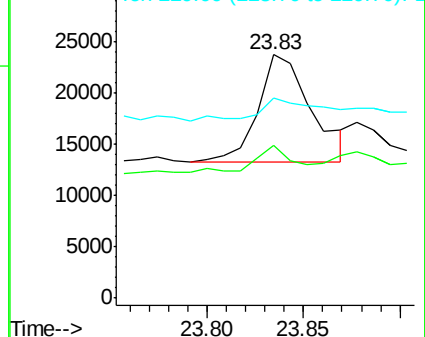
229 82.2 14.5 21.7#

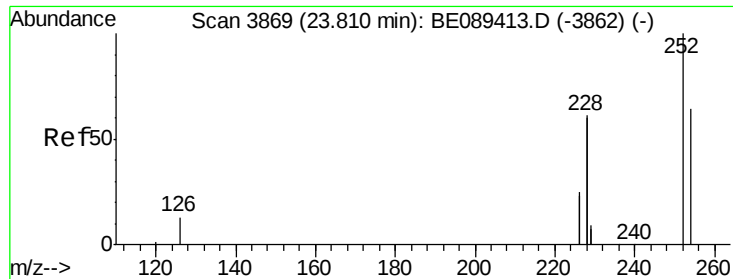


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

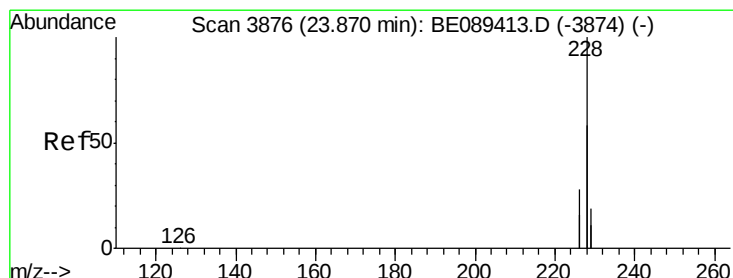
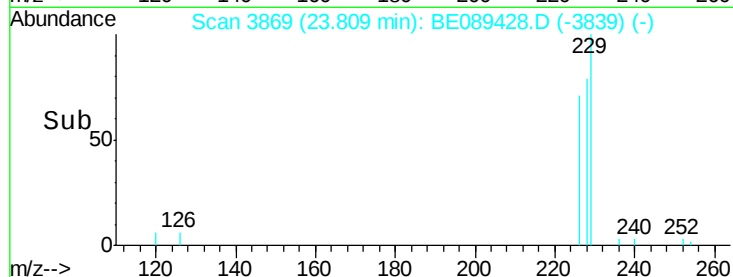
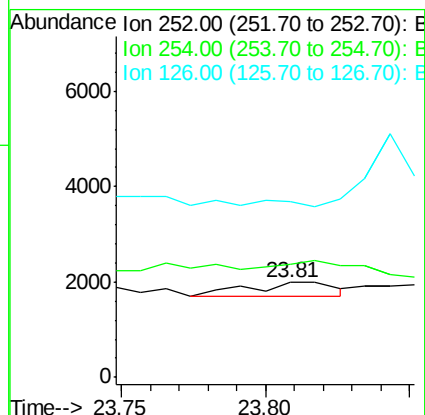
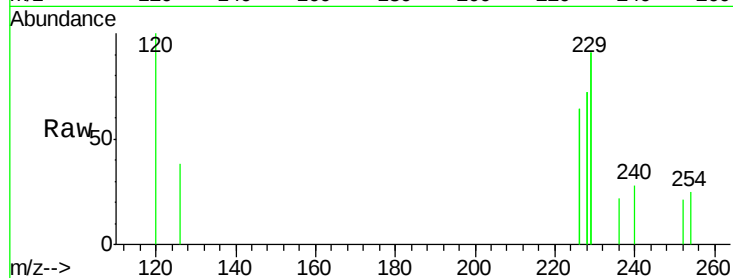




#24
 3,3'-Dichlorobenzidine
 Concen: 0.02 ng
 RT: 23.81 min Scan# 3869
 Delta R.T. -0.00 min
 Lab File: BE089428.D
 Acq: 30 Jan 2015 1:36

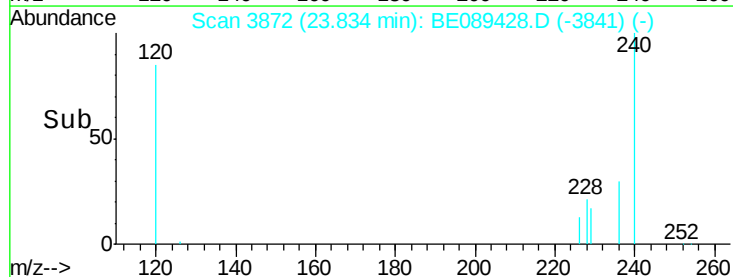
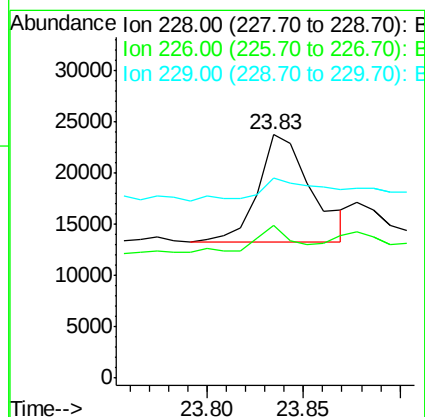
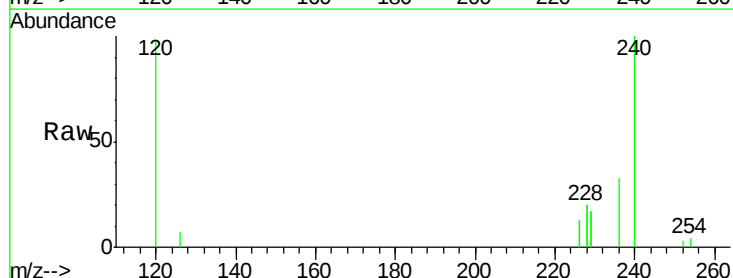
Instrument :
 BNA_E
 ClientSampleId :
 MPE-1

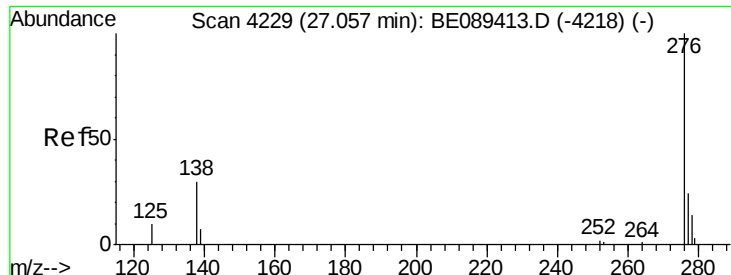
Tgt Ion: 252 Resp: 595
 Ion Ratio Lower Upper
 252 100
 254 119.0 51.1 76.7#
 126 185.4 11.5 17.3#



#25
 Chrysene
 Concen: 0.03 ng
 RT: 23.83 min Scan# 3872
 Delta R.T. -0.04 min
 Lab File: BE089428.D
 Acq: 30 Jan 2015 1:36

Tgt Ion: 228 Resp: 20055
 Ion Ratio Lower Upper
 228 100
 226 62.8 22.6 33.8#
 229 82.2 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: BE089428.D

Acq: 30 Jan 2015 1:36

Instrument :

BNA_E

ClientSampleId :

MPE-1

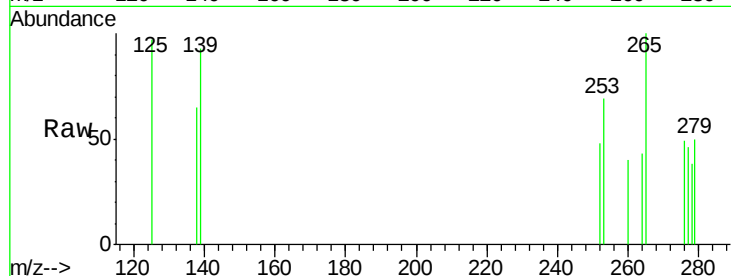
Tgt Ion:276 Resp: 1234

Ion Ratio Lower Upper

276 100

138 14.9 0.0 0.0#

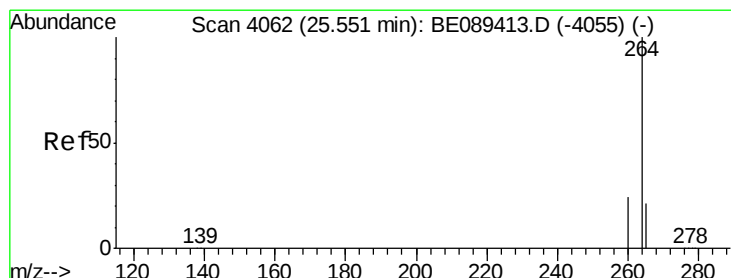
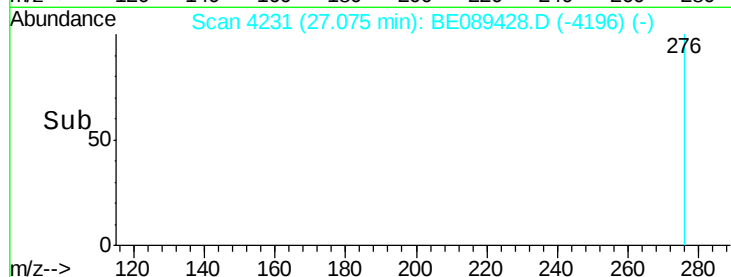
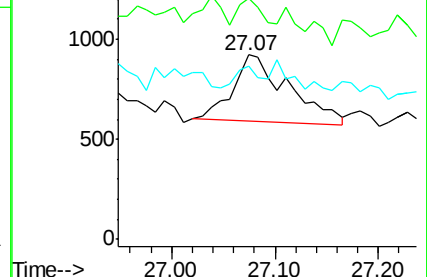
277 16.9 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.57 min Scan# 4064

Delta R.T. 0.02 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

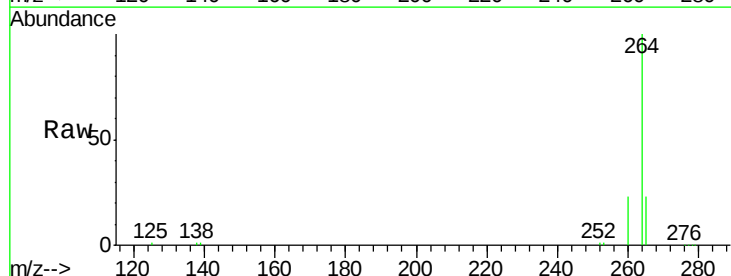
Tgt Ion:264 Resp: 632037

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

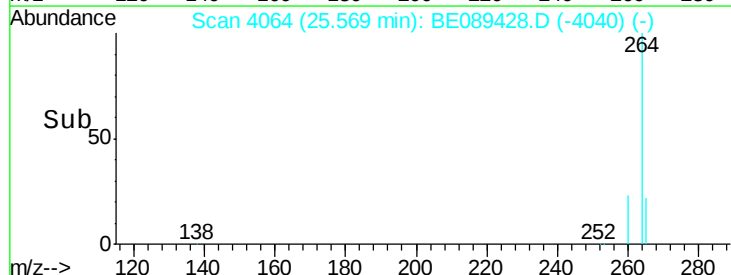
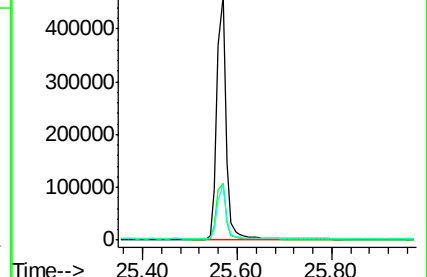
265 22.6 17.1 25.7

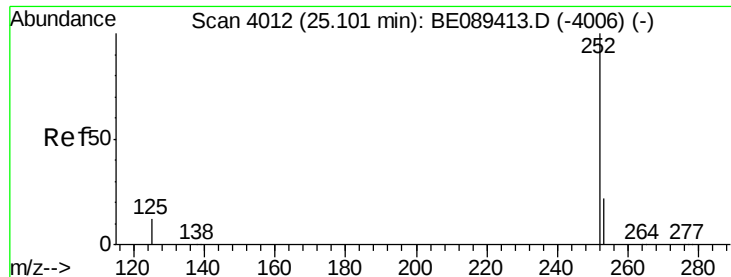


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#28

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 25.11 min Scan# 4013

Delta R.T. 0.01 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

Instrument :

BNA_E

ClientSampleId :

MPE-1

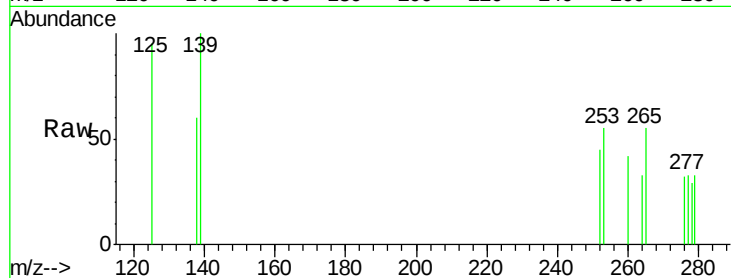
Tgt Ion:252 Resp: 719

Ion Ratio Lower Upper

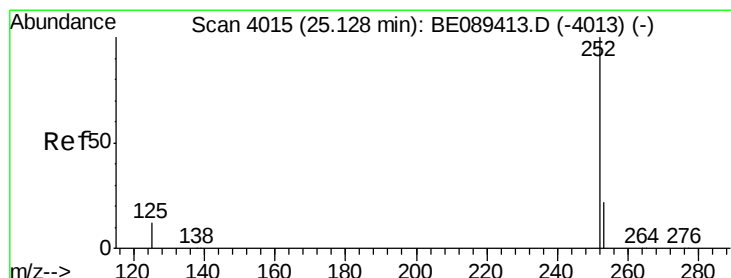
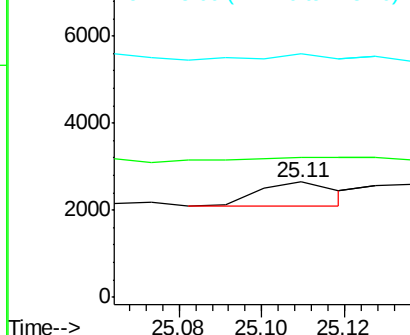
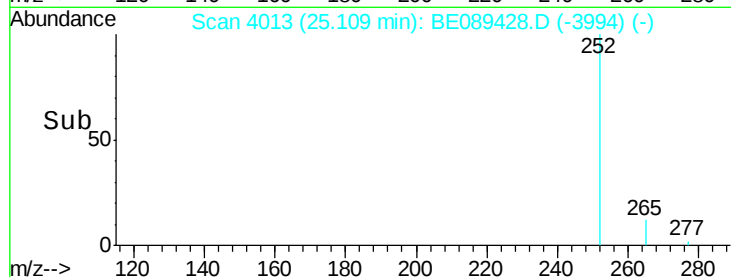
252 100

253 121.7 17.6 26.4#

125 211.1 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#29

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 25.11 min Scan# 4013

Delta R.T. -0.02 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

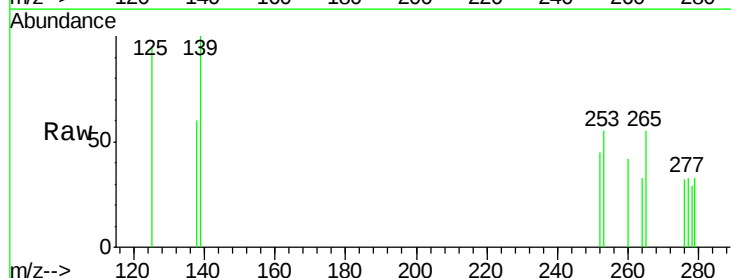
Tgt Ion:252 Resp: 719

Ion Ratio Lower Upper

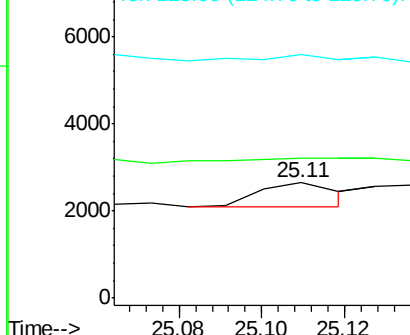
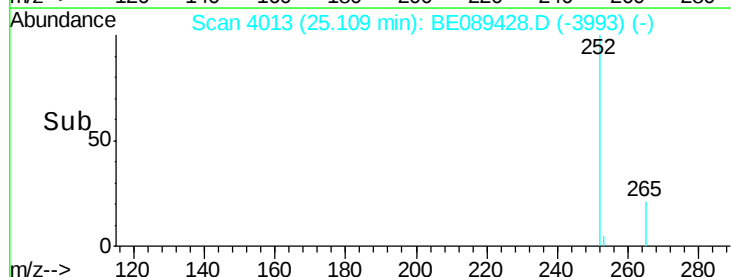
252 100

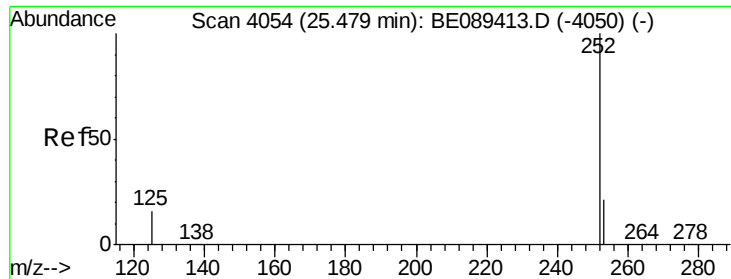
253 121.7 17.4 26.2#

125 211.1 11.0 16.6#



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





#30

Benzo(a)pyrene

Concen: 0.01 ng

RT: 25.50 min Scan# 4056

Delta R.T. 0.02 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

Instrument :

BNA_E

ClientSampleId :

MPE-1

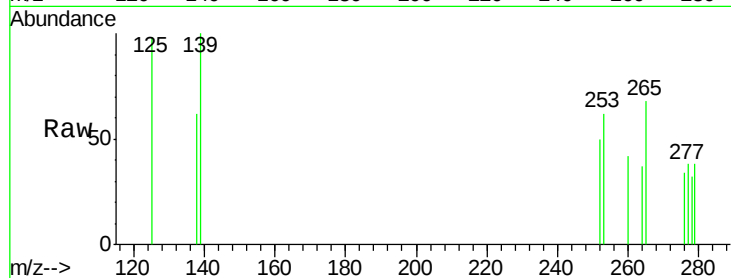
Tgt Ion: 252 Resp: 609

Ion Ratio Lower Upper

252 100

253 124.9 17.3 25.9#

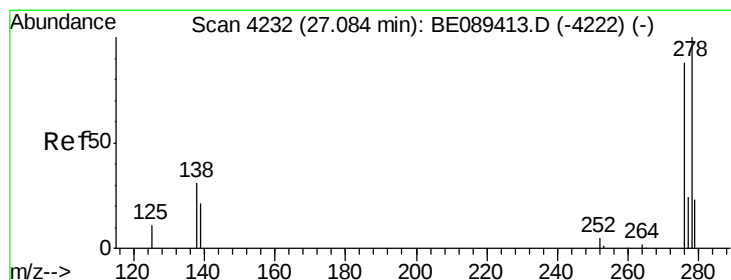
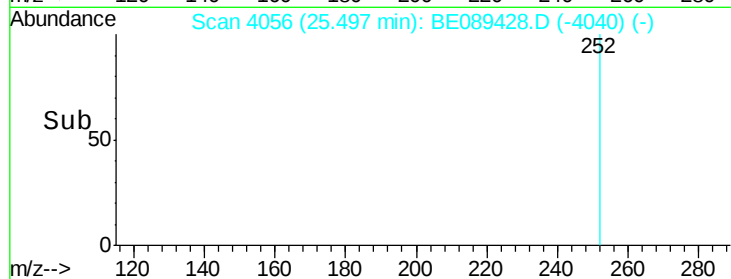
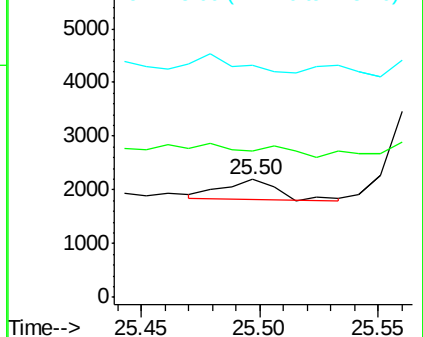
125 197.6 13.0 19.6#



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: 27.11 min Scan# 4235

Delta R.T. 0.03 min

Lab File: BE089428.D

Acq: 30 Jan 2015 1:36

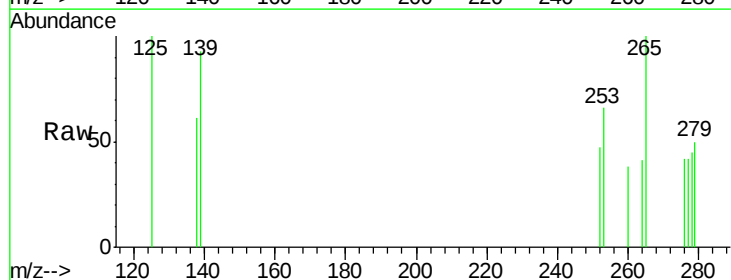
Tgt Ion: 278 Resp: 966

Ion Ratio Lower Upper

278 100

139 208.1 17.2 25.8#

279 112.7 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

