

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021615\
 Data File : BE089578.D
 Acq On : 16 Feb 2015 21:07
 Operator : TP/IZ
 Sample : G1258-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-1

Quant Time: Feb 17 00:23:23 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 16 18:23:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.35	152	107363	5.00	ng	0.00
7) Naphthalene-d8	12.27	136	544741	5.00	ng	0.02
13) Acenaphthene-d10	16.44	164	271512	5.00	ng	0.02
17) Phenanthrene-d10	19.80	188	650359	5.00	ng	0.03
20) Chrysene-d12	23.66	240	438885	5.00	ng	0.00
27) Perylene-d12	25.34	264	389141	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.51	112	159365	5.14	ng	0.00
4) Phenol-d6	8.63	99	156380	3.80	ng	0.00
8) Nitrobenzene-d5	10.62	82	254394	10.99	ng	0.00
14) 2,4,6-Tribromophenol	18.35	330	126567	20.69	ng	0.03
15) 2-Fluorobiphenyl	14.90	172	700315	9.55	ng	0.02
22) Terphenyl-d14	22.31	244	825266	13.65	ng	0.01

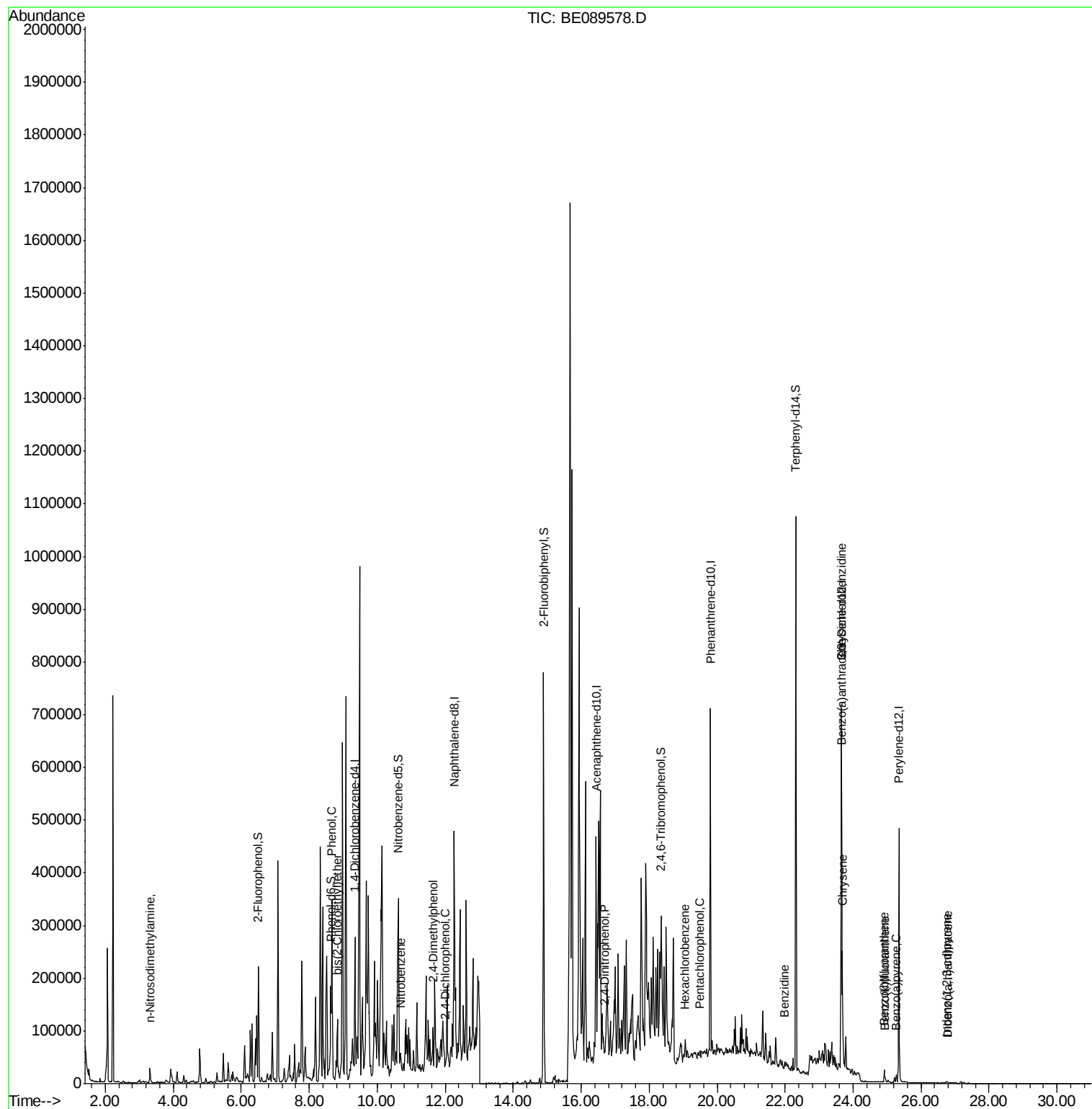
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.31	42	3190	0.19	ng	# 1
5) Phenol	8.66	94	41290	0.93	ng	# 1
6) bis(2-Chloroethyl)ether	8.84	93	1930	0.06	ng	# 1
9) Nitrobenzene	10.67	77	17540	0.63	ng	# 1
10) 2,4-Dimethylphenol	11.63	122	58279	1.82	ng	# 93
11) 2,4-Dichlorophenol	12.00	162	21112	0.84	ng	# 36
16) 2,4-Dinitrophenol	16.69	184	463	0.49	ng	# 1
18) Hexachlorobenzene	19.04	284	155	0.01	ng	# 1
19) Pentachlorophenol	19.47	266	2819	0.57	ng	# 66
21) Benzidine	21.98	184	5290	0.13	ng	# 1
23) Benzo(a)anthracene	23.64	228	290891	0.67	ng	# 88
24) 3,3'-Dichlorobenzidine	23.66	252	1516	0.05	ng	# 18
25) Chrysene	23.69	228	206440	0.49	ng	# 82
26) Indeno(1,2,3-cd)pyrene	26.75	276	5476	0.05	ng	# 94
28) Benzo(b)fluoranthene	24.92	252	23999	0.28	ng	# 91
29) Benzo(k)fluoranthene	24.94	252	13814	0.13	ng	# 89
30) Benzo(a)pyrene	25.28	252	14531	0.18	ng	# 91
31) Dibenzo(a,h)anthracene	26.78	278	3316	0.04	ng	# 76

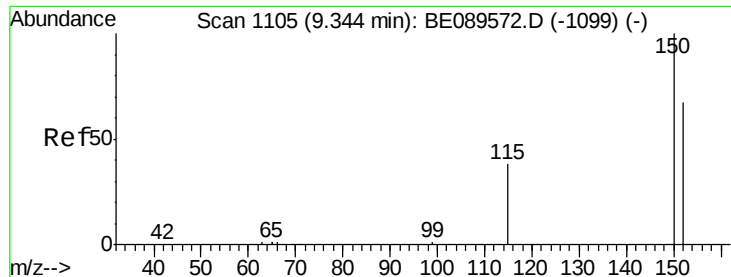
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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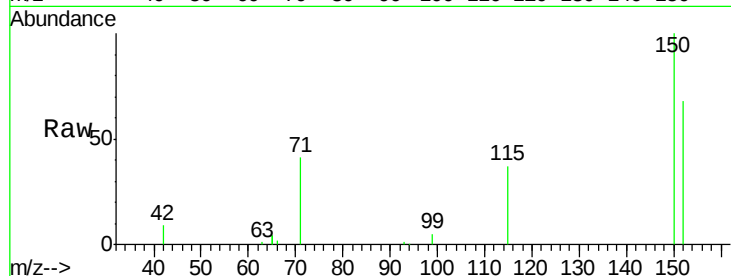




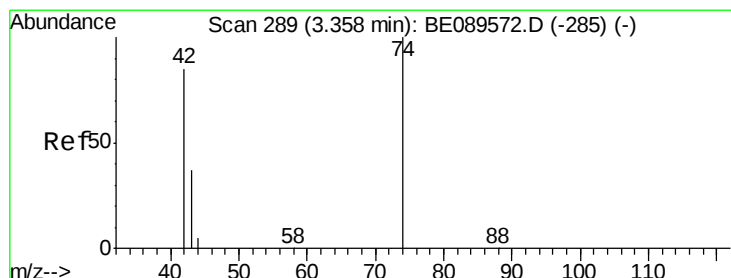
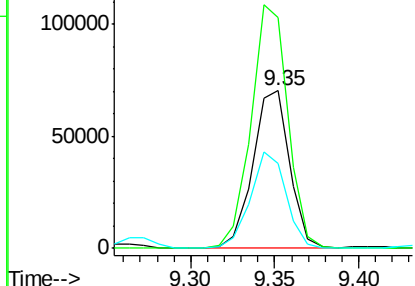
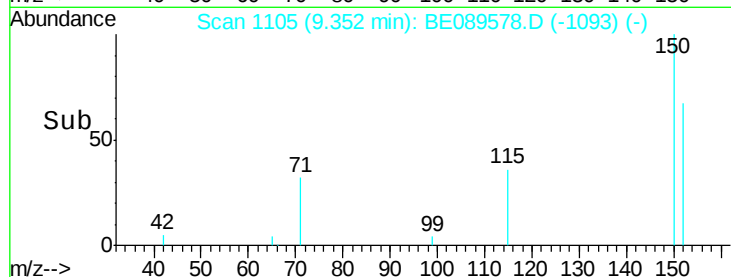
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 9.35 min Scan# 1105
 Delta R.T. 0.01 min
 Lab File: BE089578.D
 Acq: 16 Feb 2015 21:07

Instrument :
 BNA_E
 ClientSampleId :
 MW-1

Tgt Ion:152 Resp: 107363
 Ion Ratio Lower Upper
 152 100
 150 146.7 120.2 180.2
 115 54.2 45.2 67.8

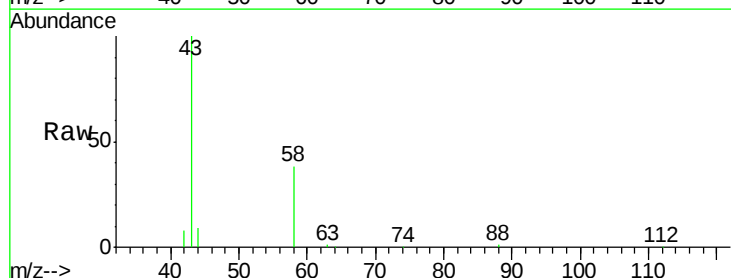


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

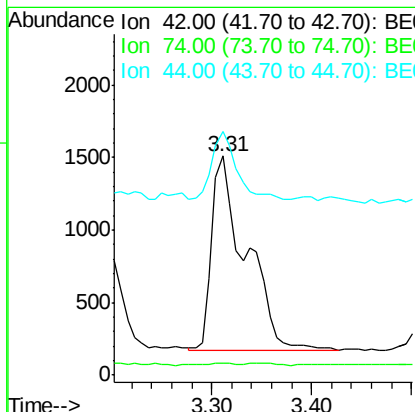
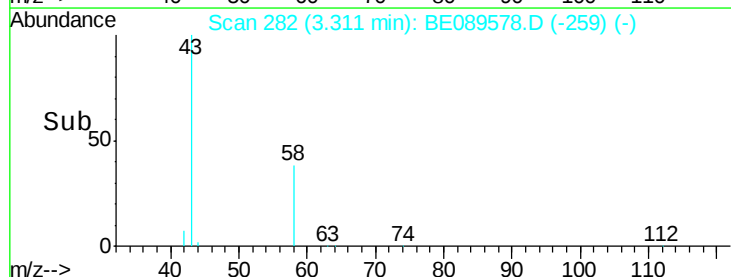


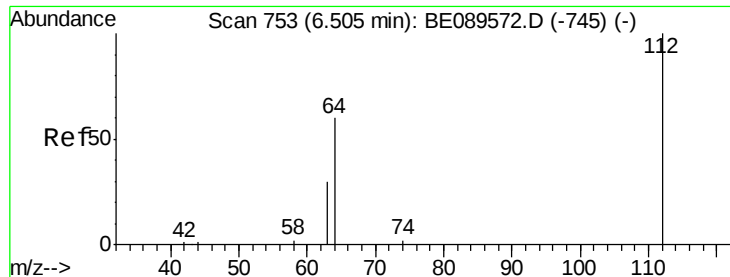
#2
 n-Nitrosodimethylamine
 Concen: 0.19 ng
 RT: 3.31 min Scan# 282
 Delta R.T. -0.05 min
 Lab File: BE089578.D
 Acq: 16 Feb 2015 21:07

Tgt Ion: 42 Resp: 3190
 Ion Ratio Lower Upper
 42 100
 74 5.4 90.1 135.1#
 44 111.2 35.0 52.4#



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

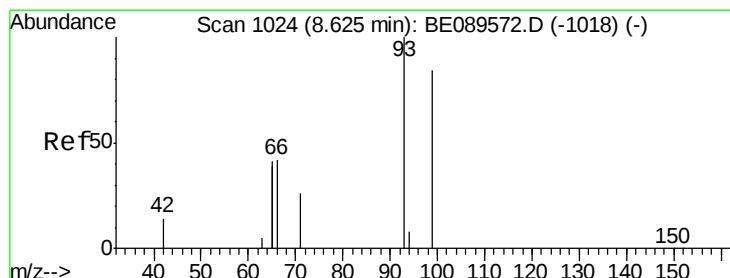
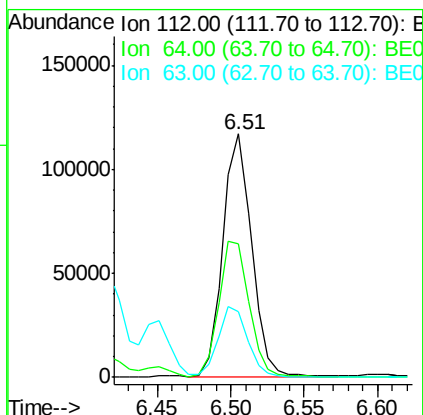
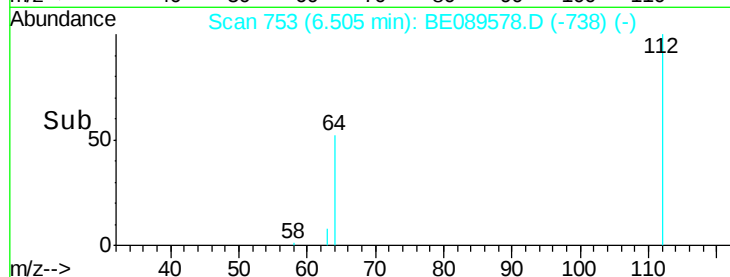
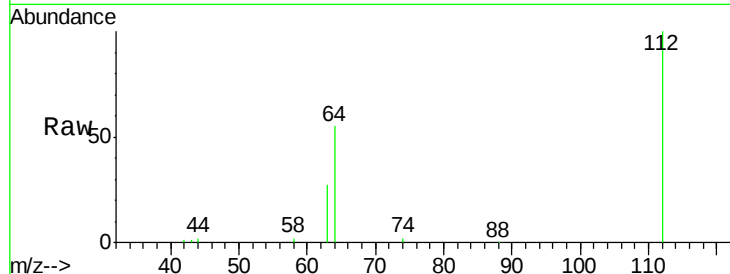




#3
 2-Fluorophenol
 Concen: 5.14 ng
 RT: 6.51 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: BE089578.D
 Acq: 16 Feb 2015 21:07

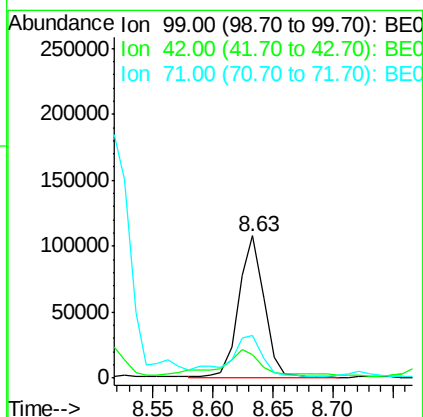
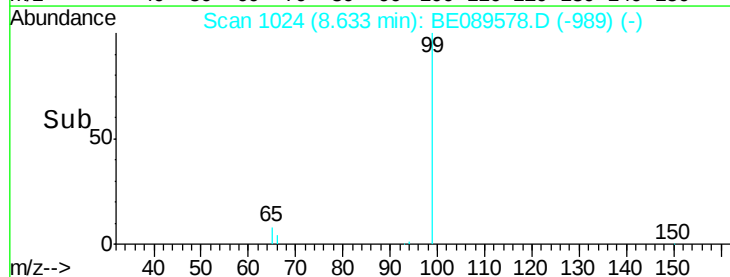
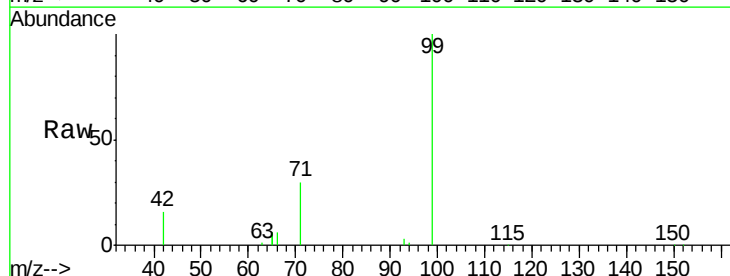
Instrument :
 BNA_E
 ClientSampled :
 MW-1

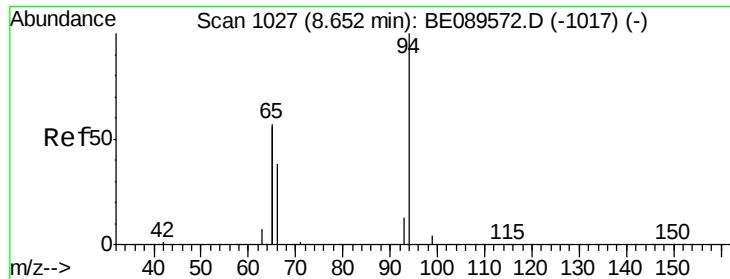
Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	48.6	72.8
63	26.9	24.6	37.0



#4
 Phenol-d6
 Concen: 3.80 ng
 RT: 8.63 min Scan# 1024
 Delta R.T. 0.01 min
 Lab File: BE089578.D
 Acq: 16 Feb 2015 21:07

Tgt Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.9	20.9
71	30.1	25.2	37.8





#5

Phenol

Concen: 0.93 ng

RT: 8.66 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

Instrument :

BNA_E

ClientSampled :

MW-1

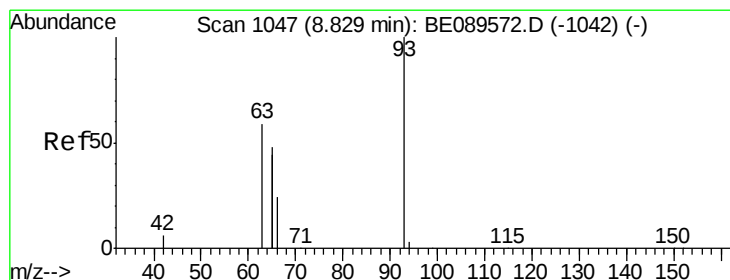
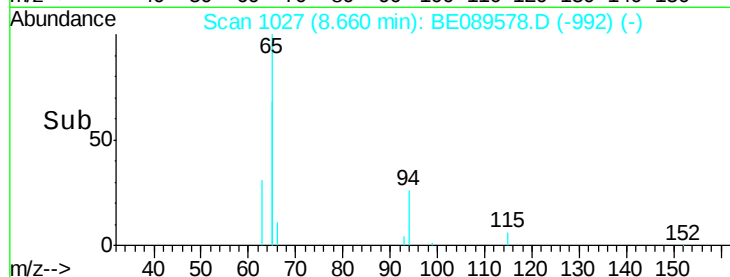
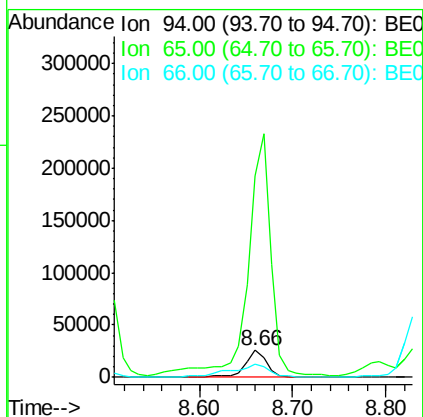
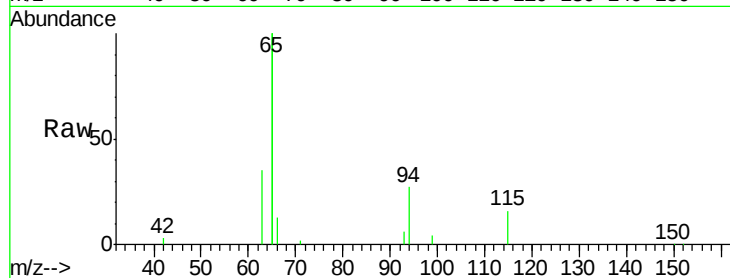
Tgt Ion: 94 Resp: 41290

Ion Ratio Lower Upper

94 100

65 744.3 94.5 134.5#

66 50.0 18.2 58.2



#6

bis(2-Chloroethyl)ether

Concen: 0.06 ng

RT: 8.84 min Scan# 1047

Delta R.T. 0.01 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

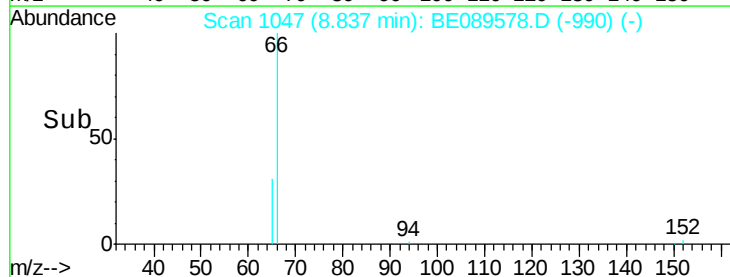
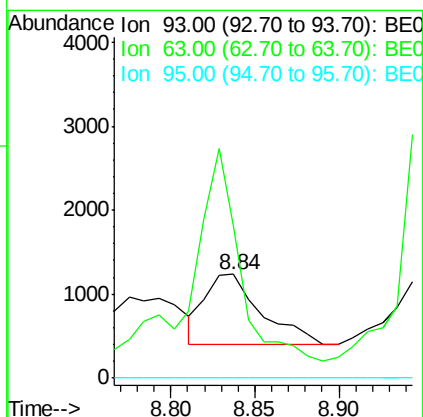
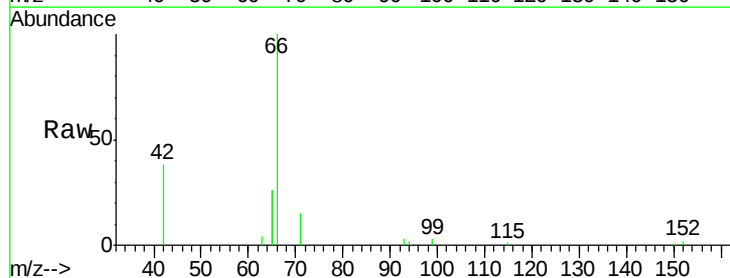
Tgt Ion: 93 Resp: 1930

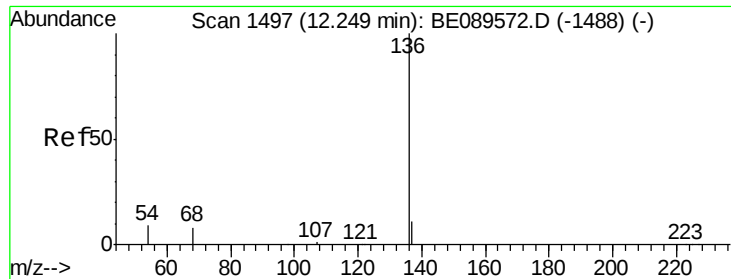
Ion Ratio Lower Upper

93 100

63 264.4 81.7 122.5#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.27 min Scan# 1498

Delta R.T. 0.02 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

Instrument :

BNA_E

ClientSampleId :

MW-1

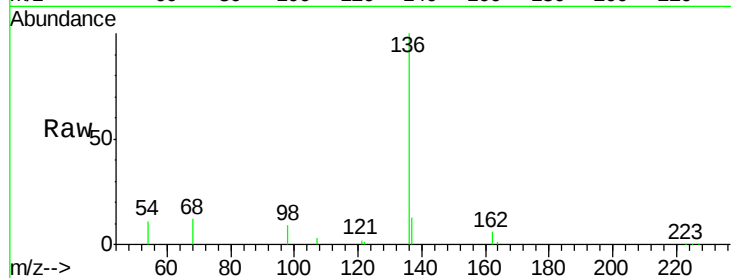
Tgt Ion: 136 Resp: 544741

Ion Ratio Lower Upper

136 100

137 12.9 8.7 13.1

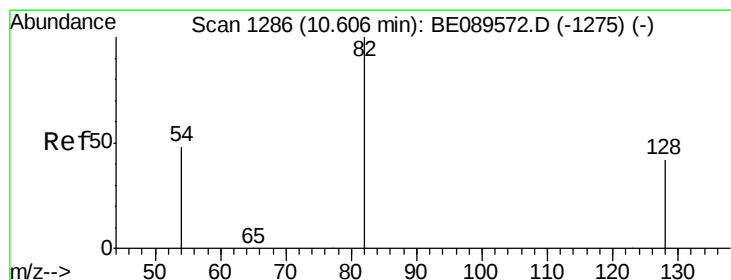
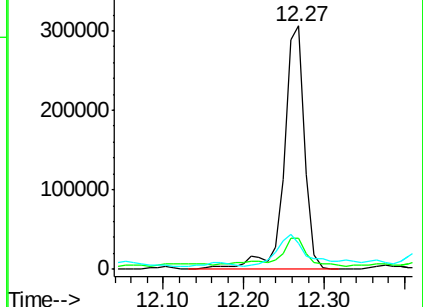
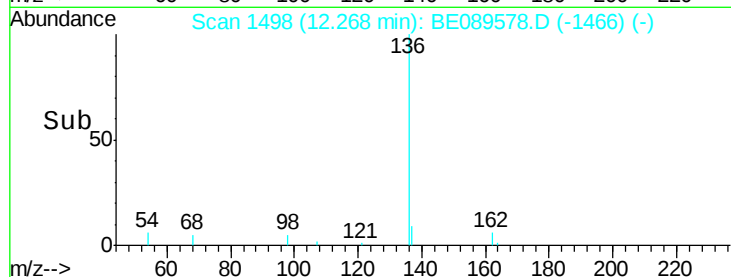
54 10.5 7.0 10.4#



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: 10.99 ng

RT: 10.62 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

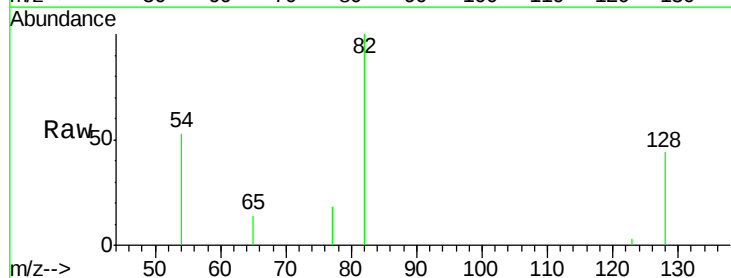
Tgt Ion: 82 Resp: 254394

Ion Ratio Lower Upper

82 100

128 43.8 33.8 50.6

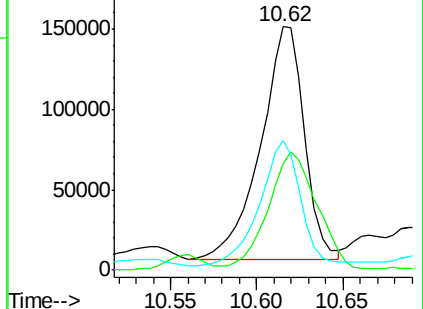
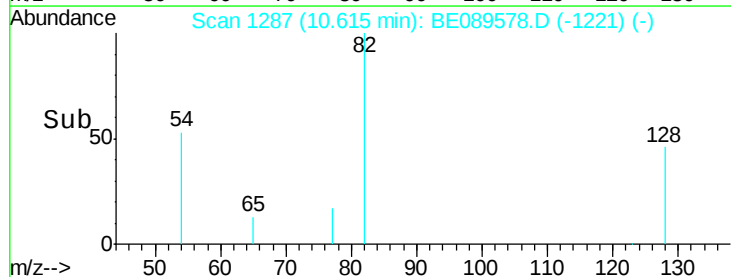
54 53.3 39.0 58.6

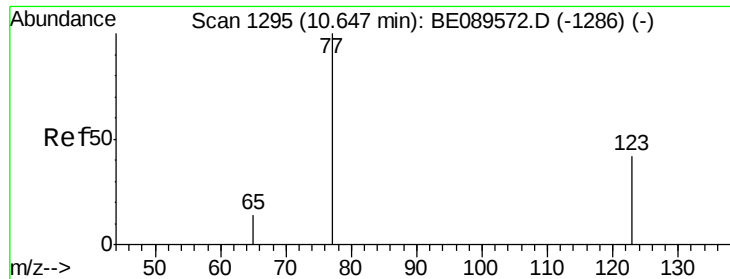


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.63 ng

RT: 10.67 min Scan# 1300

Delta R.T. 0.03 min

Lab File: BE089578.D

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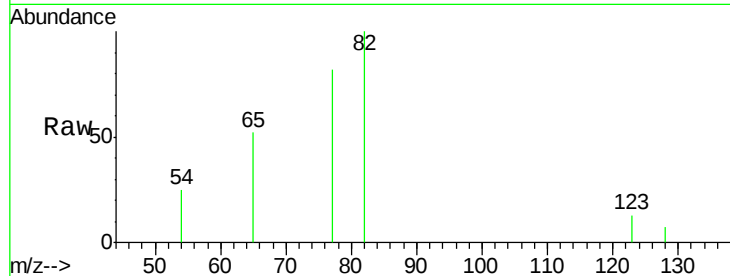
Tgt Ion: 77 Resp: 17540

Ion Ratio Lower Upper

77 100

123 0.0 34.4 51.6#

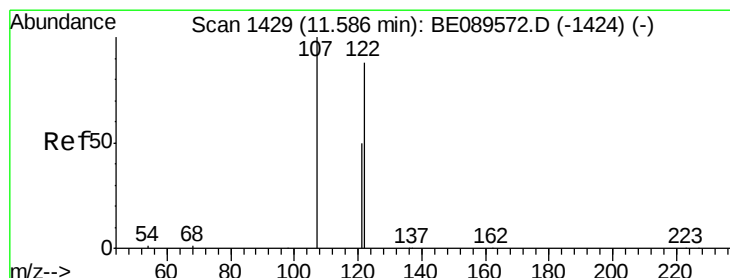
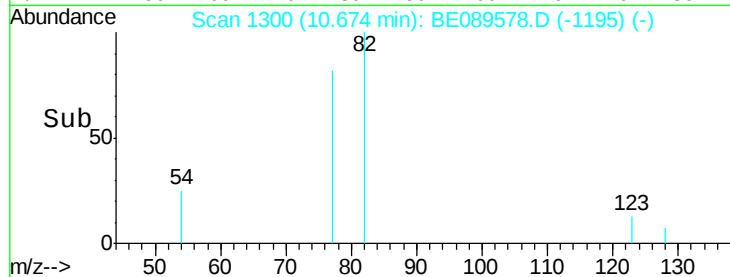
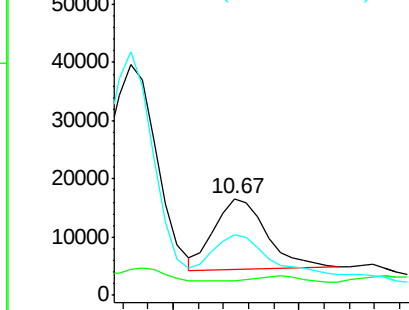
65 94.1 11.4 17.2#



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: 1.82 ng

RT: 11.63 min Scan# 1433

Delta R.T. 0.05 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

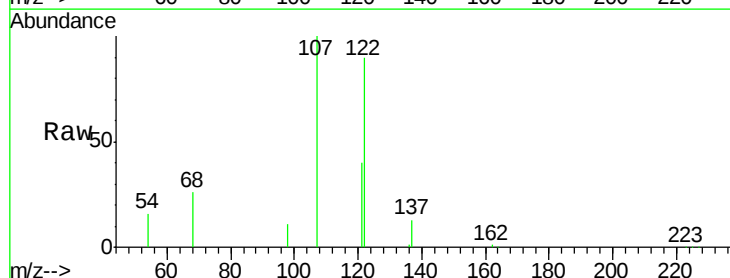
Tgt Ion: 122 Resp: 58279

Ion Ratio Lower Upper

122 100

107 111.0 90.9 136.3

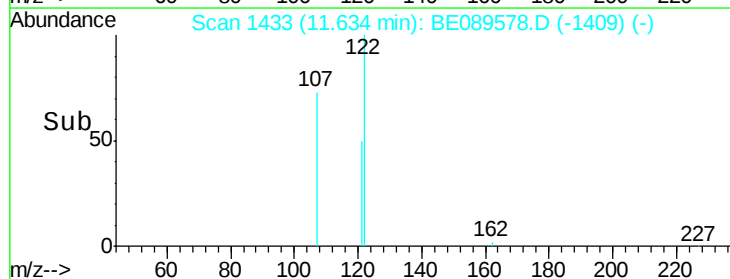
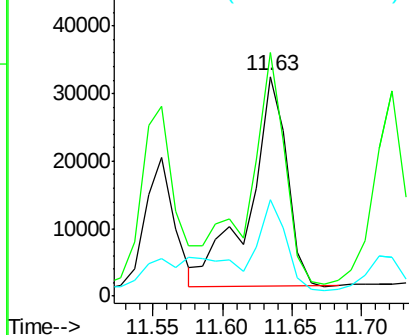
121 44.1 45.4 68.2#

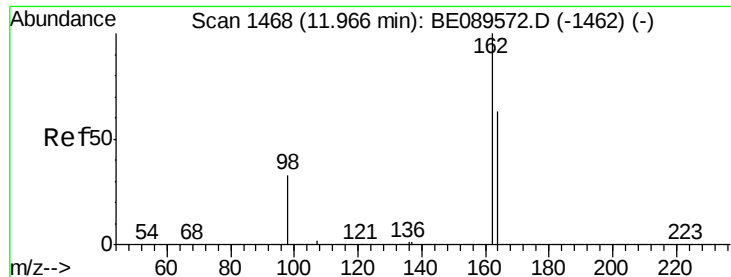


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#11

2,4-Dichlorophenol

Concen: 0.84 ng

RT: 12.00 min Scan# 1470

Delta R.T. 0.03 min

Lab File: BE089578.D

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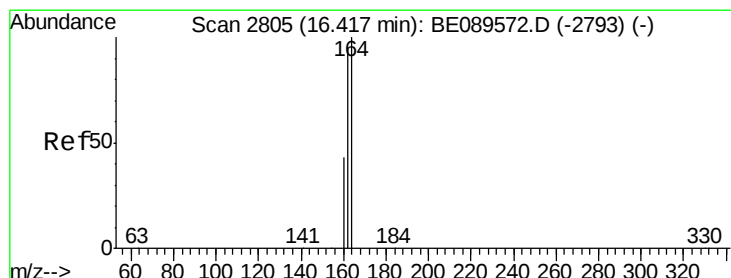
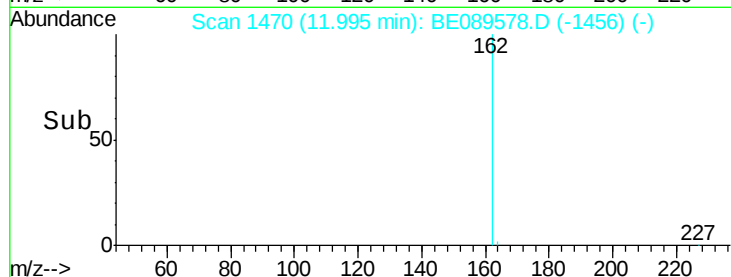
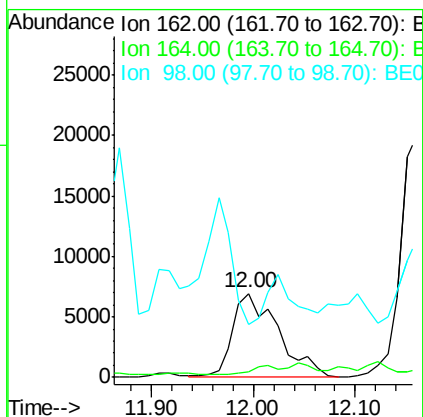
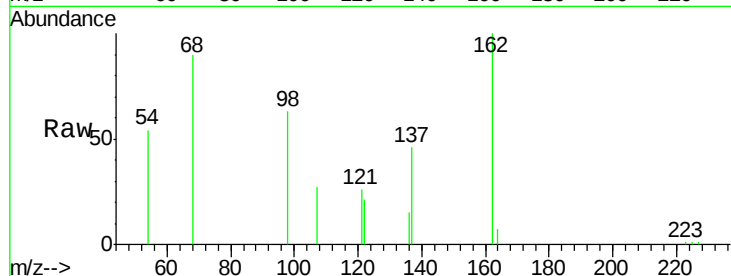
Tgt Ion:162 Resp: 21112

Ion Ratio Lower Upper

162 100

164 6.6 43.4 83.4#

98 62.6 14.6 54.6#



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.44 min Scan# 2807

Delta R.T. 0.02 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

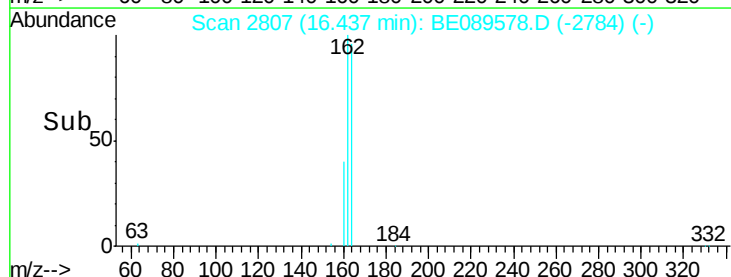
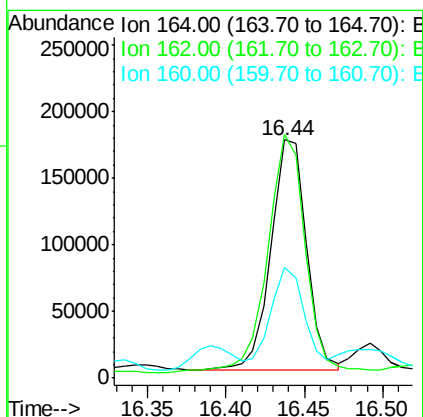
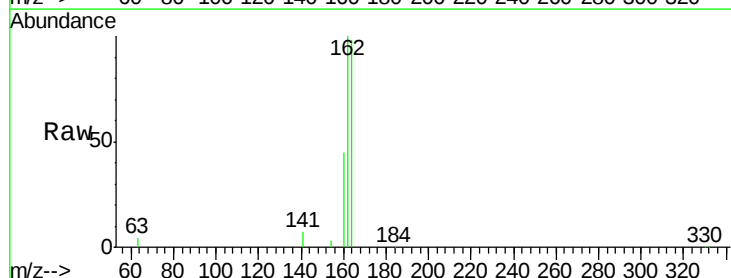
Tgt Ion:164 Resp: 271512

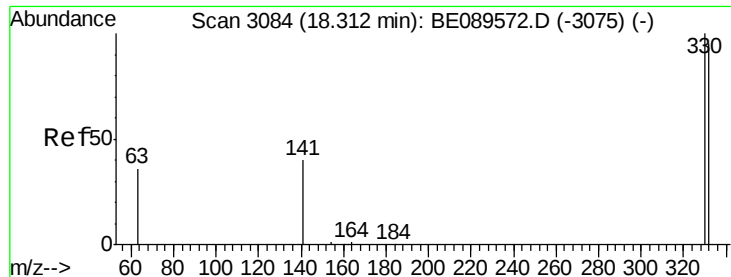
Ion Ratio Lower Upper

164 100

162 102.2 76.2 114.4

160 46.1 34.7 52.1





#14

2,4,6-Tribromophenol

Concen: 20.69 ng

RT: 18.35 min Scan# 3088

Delta R.T. 0.03 min

Lab File: BE089578.D

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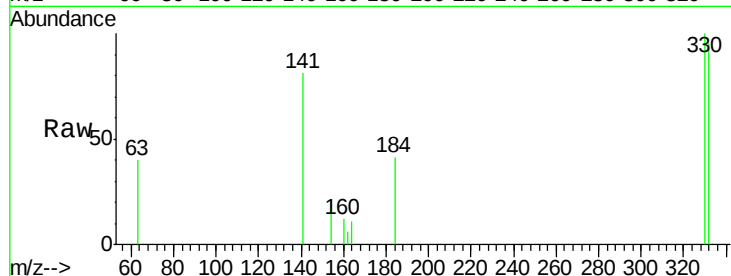
Tgt Ion:330 Resp: 126567

Ion Ratio Lower Upper

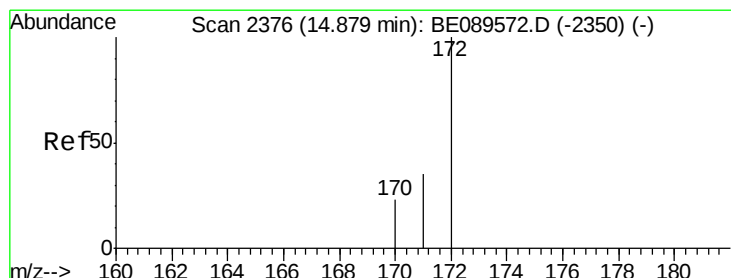
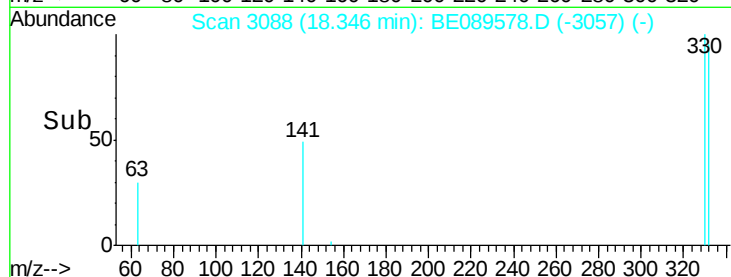
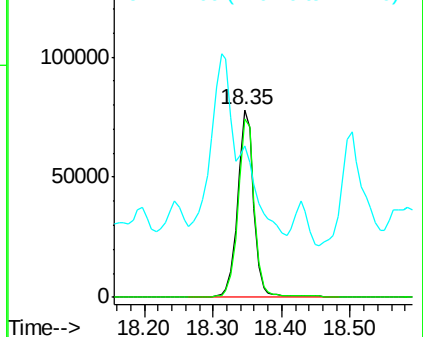
330 100

332 98.2 78.3 117.5

141 0.0 33.4 50.0#



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: 9.55 ng

RT: 14.90 min Scan# 2384

Delta R.T. 0.02 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

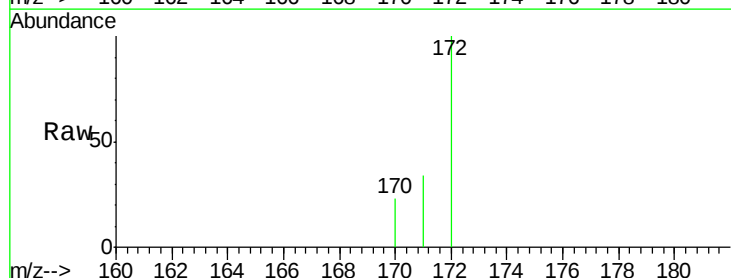
Tgt Ion:172 Resp: 700315

Ion Ratio Lower Upper

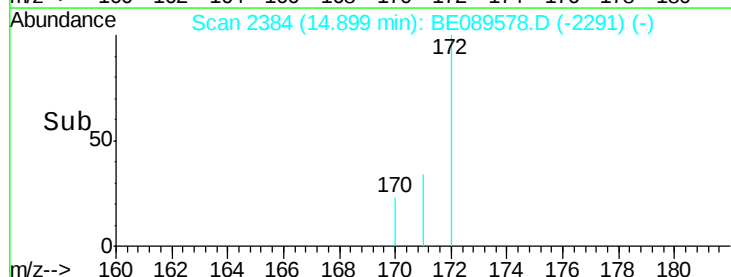
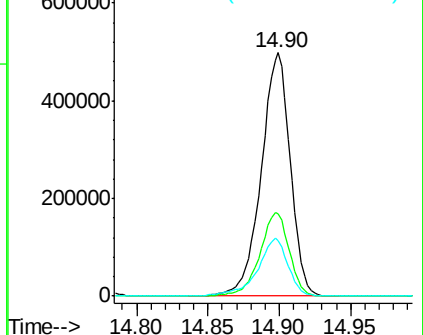
172 100

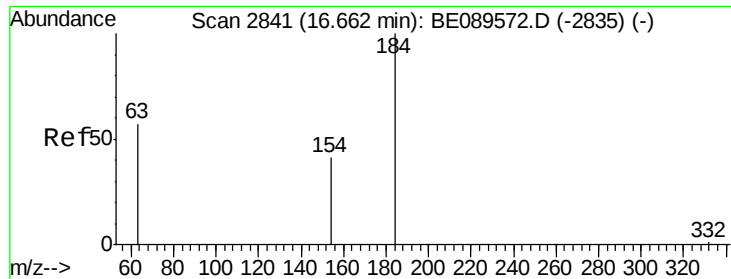
171 34.1 27.8 41.6

170 22.6 18.5 27.7



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

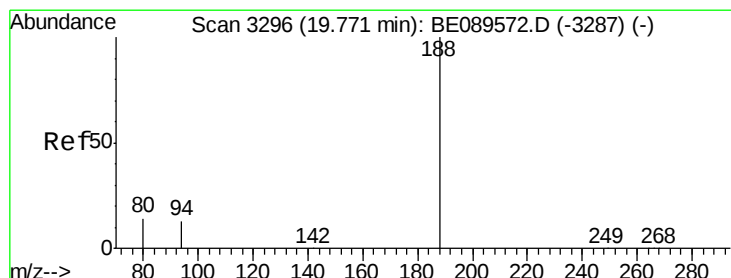
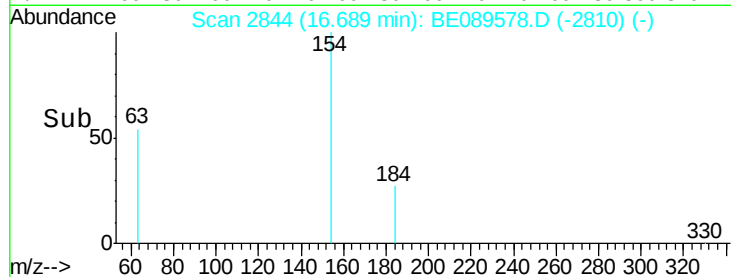
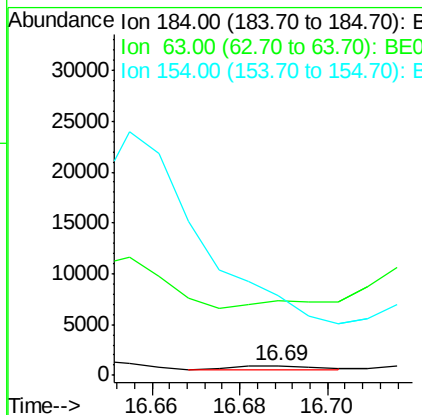
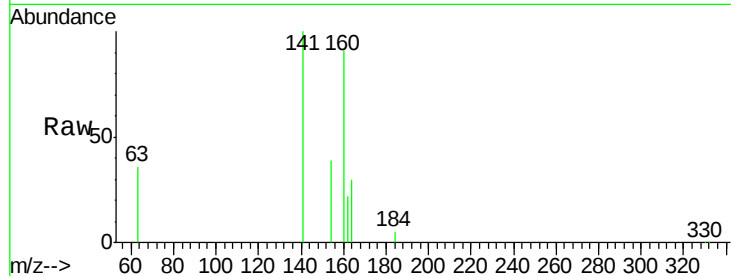




#16
2,4-Dinitrophenol
Concen: 0.49 ng
RT: 16.69 min Scan# 2844
Delta R.T. 0.03 min
Lab File: BE089578.D
Acq: 16 Feb 2015 21:07

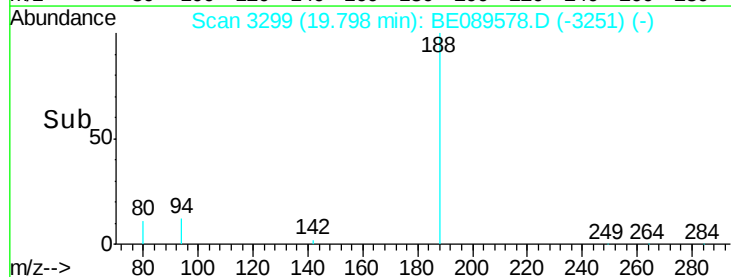
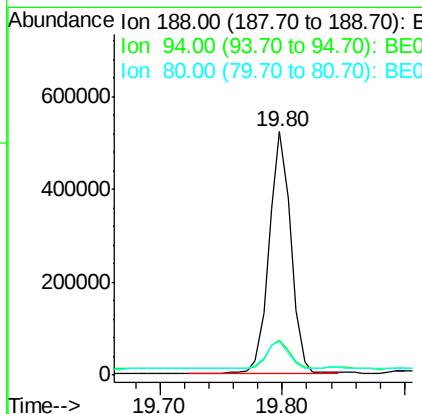
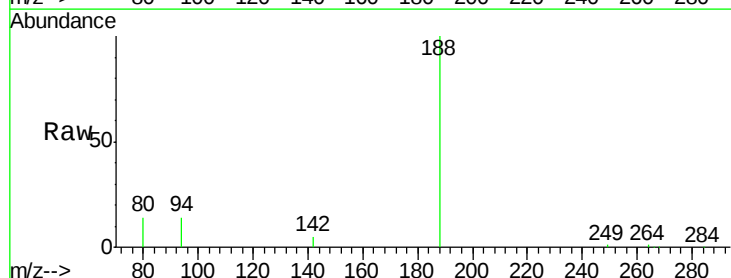
Instrument :
BNA_E
ClientSampleId :
MW-1

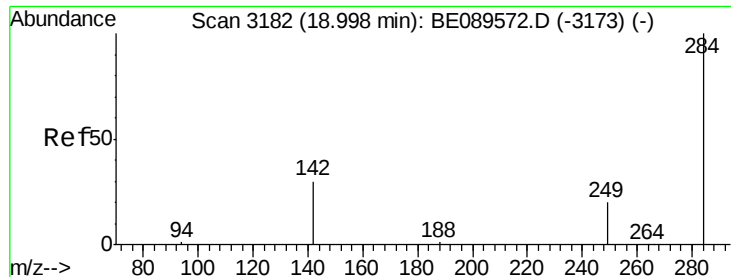
Tgt Ion:184 Resp: 463
Ion Ratio Lower Upper
184 100
63 787.3 70.8 106.2#
154 846.1 52.9 79.3#



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.80 min Scan# 3299
Delta R.T. 0.03 min
Lab File: BE089578.D
Acq: 16 Feb 2015 21:07

Tgt Ion:188 Resp: 650359
Ion Ratio Lower Upper
188 100
94 14.4 10.2 15.4
80 13.7 11.0 16.6





#18

Hexachlorobenzene

Concen: 0.01 ng

RT: 19.04 min Scan# 3187

Delta R.T. 0.04 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

Instrument :

BNA_E

ClientSampleId :

MW-1

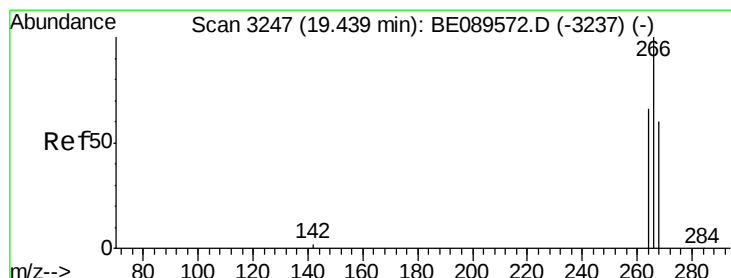
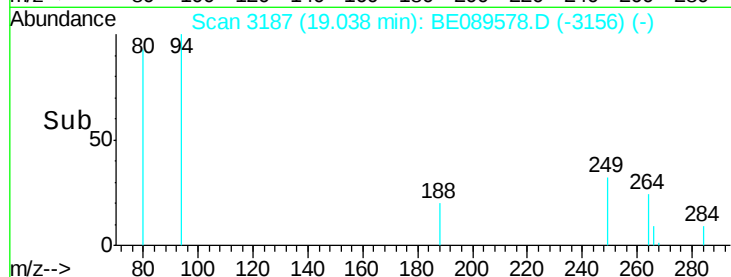
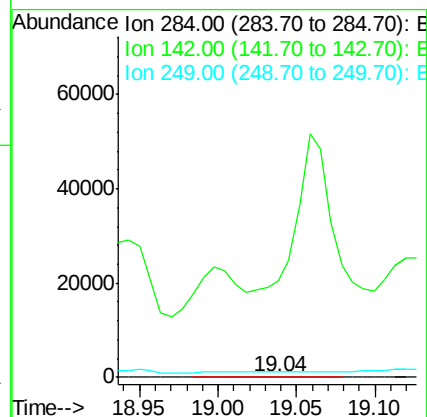
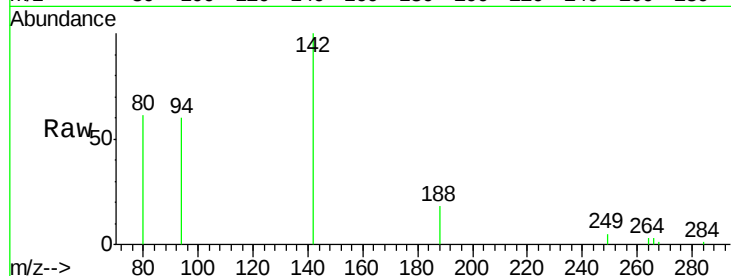
Tgt Ion: 284 Resp: 155

Ion Ratio Lower Upper

284 100

142 13003.8 27.6 41.4#

249 684.7 20.0 30.0#



#19

Pentachlorophenol

Concen: 0.57 ng

RT: 19.47 min Scan# 3251

Delta R.T. 0.03 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

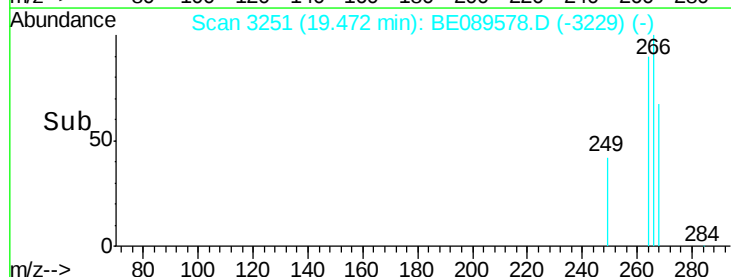
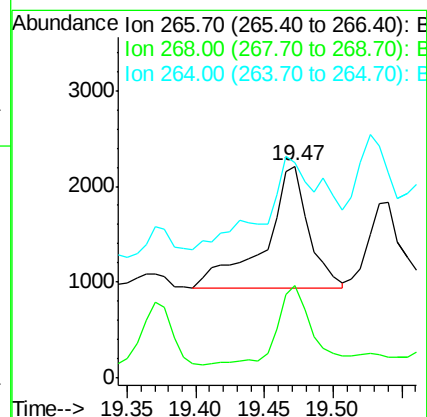
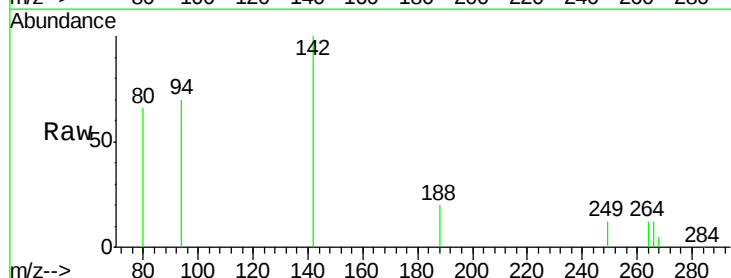
Tgt Ion: 266 Resp: 2819

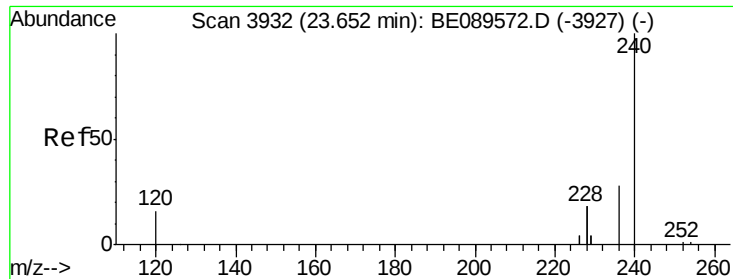
Ion Ratio Lower Upper

266 100

268 43.4 50.2 75.4#

264 101.6 54.4 81.6#





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3932

Delta R.T. 0.01 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

Instrument :

BNA_E

ClientSampleId :

MW-1

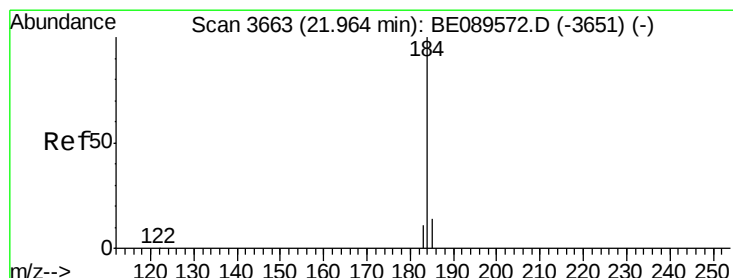
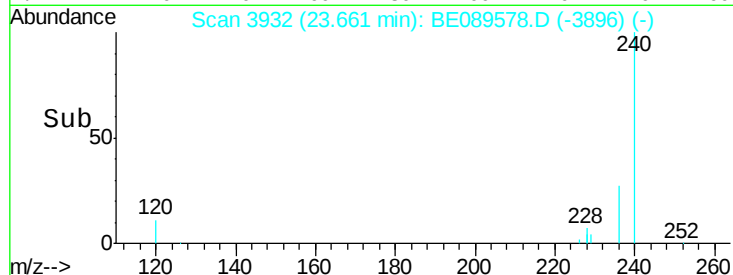
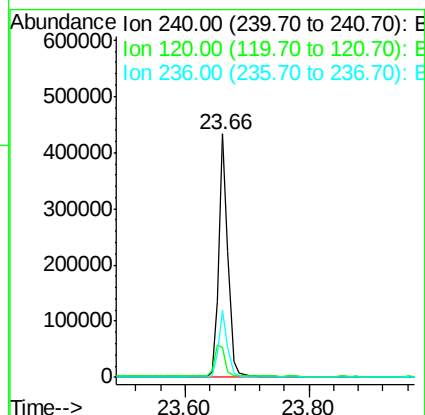
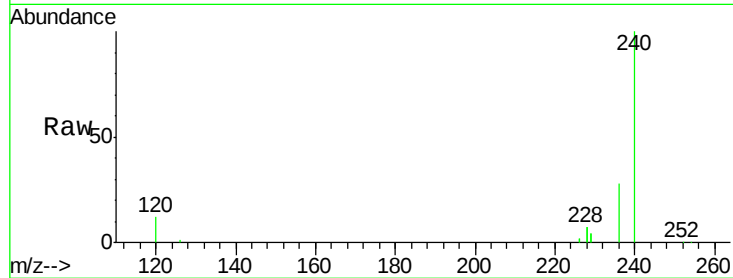
Tgt Ion:240 Resp: 438885

Ion Ratio Lower Upper

240 100

120 12.0 12.7 19.1#

236 27.6 22.7 34.1



#21

Benzidine

Concen: 0.13 ng

RT: 21.98 min Scan# 3666

Delta R.T. 0.02 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

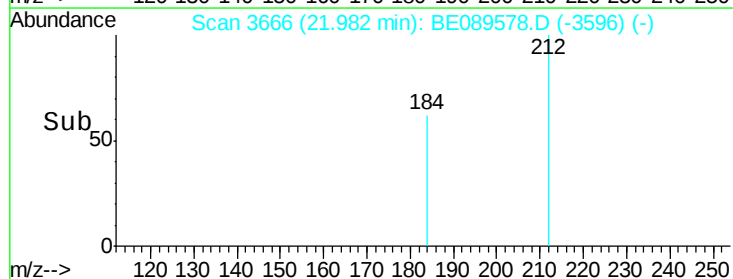
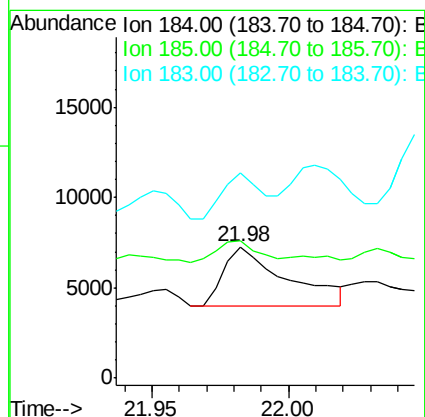
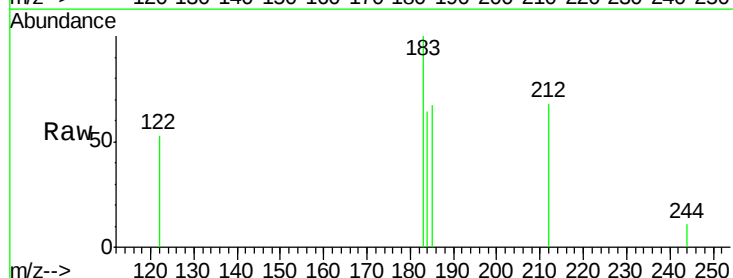
Tgt Ion:184 Resp: 5290

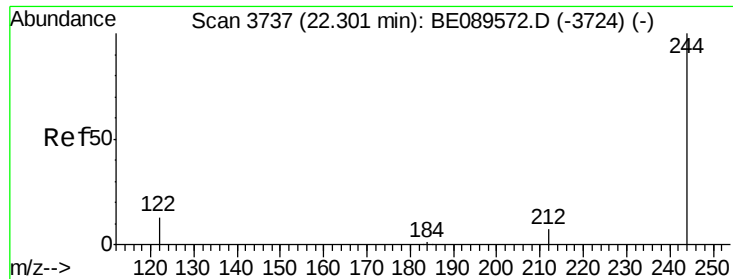
Ion Ratio Lower Upper

184 100

185 104.6 11.7 17.5#

183 156.9 8.9 13.3#

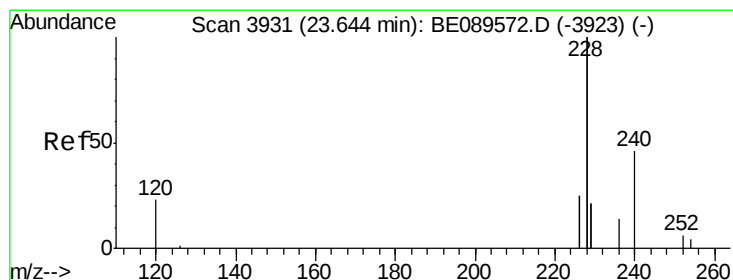
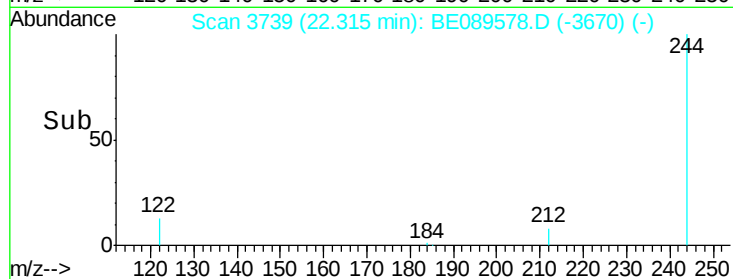
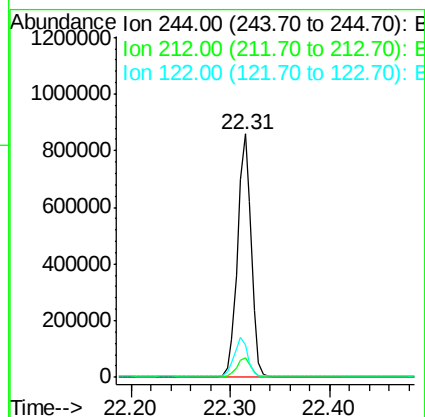
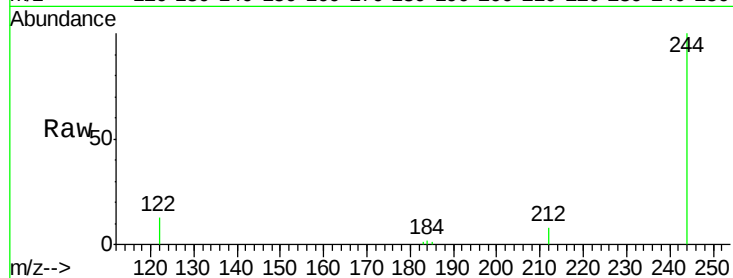




#22
 Terphenyl-d14
 Concen: 13.65 ng
 RT: 22.31 min Scan# 3739
 Delta R.T. 0.01 min
 Lab File: BE089578.D
 Acq: 16 Feb 2015 21:07

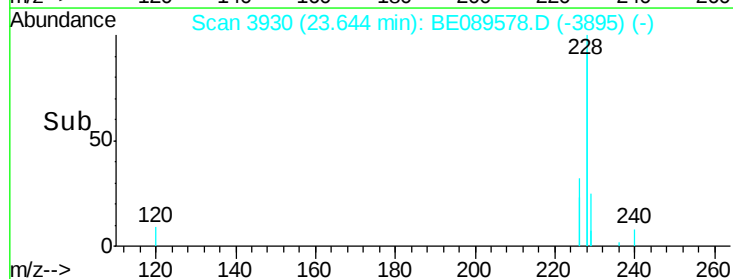
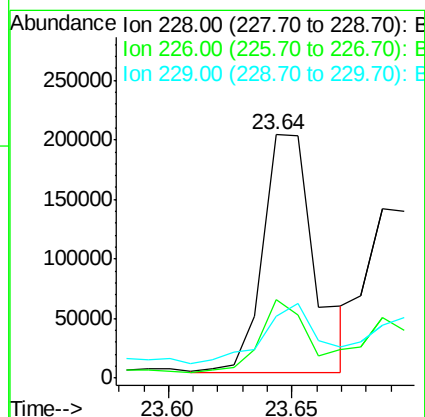
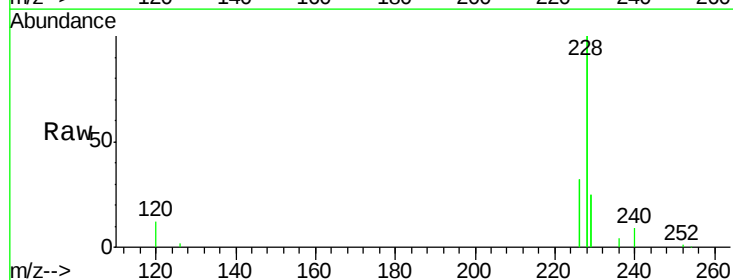
Instrument :
 BNA_E
 ClientSampleId :
 MW-1

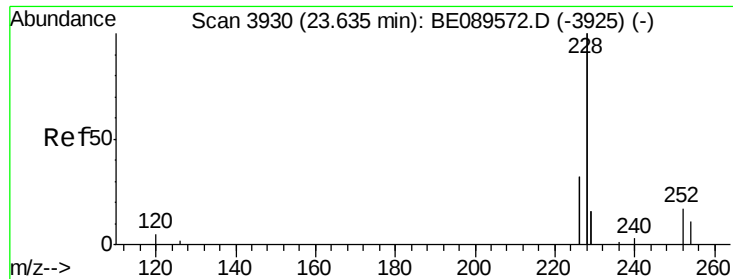
Tgt Ion:244 Resp: 825266
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 13.2 10.2 15.2



#23
 Benzo(a)anthracene
 Concen: 0.67 ng
 RT: 23.64 min Scan# 3930
 Delta R.T. -0.00 min
 Lab File: BE089578.D
 Acq: 16 Feb 2015 21:07

Tgt Ion:228 Resp: 290891
 Ion Ratio Lower Upper
 228 100
 226 32.2 19.9 29.9#
 229 25.2 16.6 24.8#

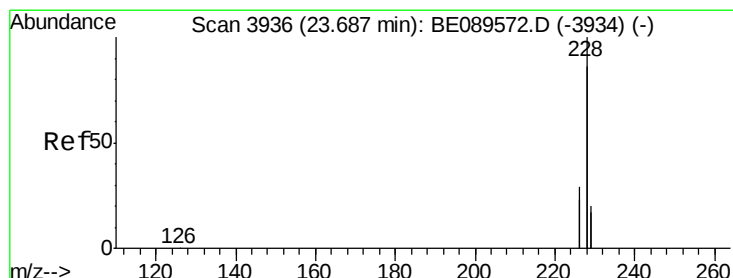
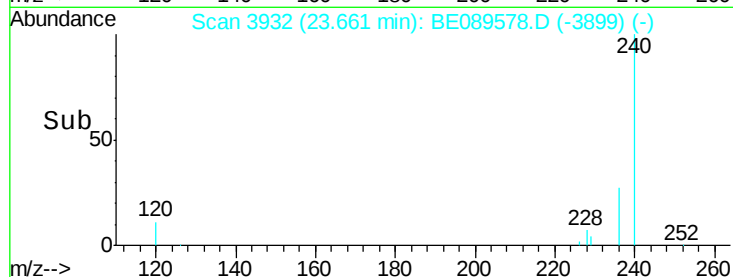
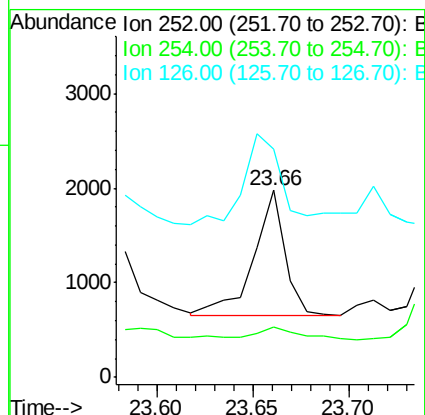
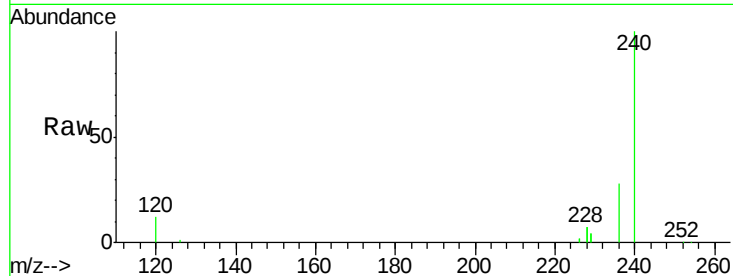




#24
 3,3'-Dichlorobenzidine
 Concen: 0.05 ng
 RT: 23.66 min Scan# 3932
 Delta R.T. 0.03 min
 Lab File: BE089578.D
 Acq: 16 Feb 2015 21:07

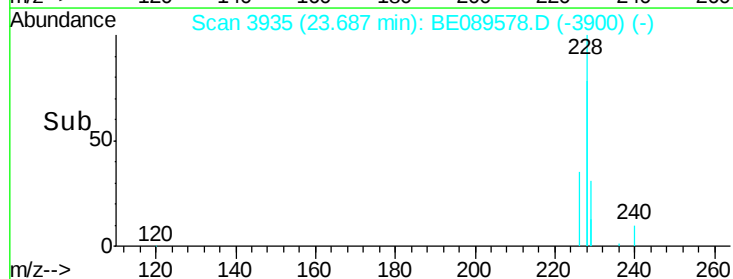
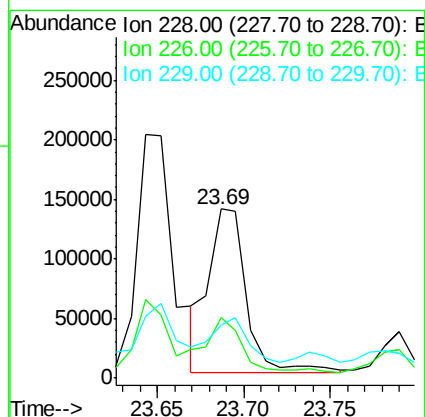
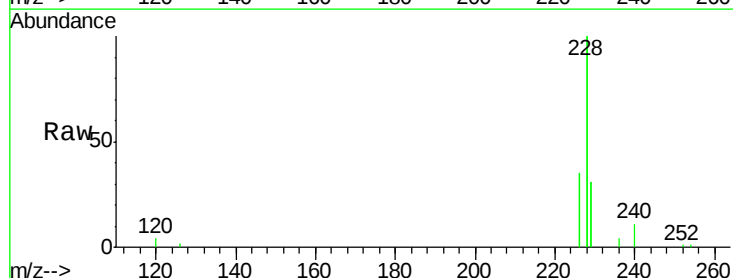
Instrument :
 BNA_E
 ClientSampleId :
 MW-1

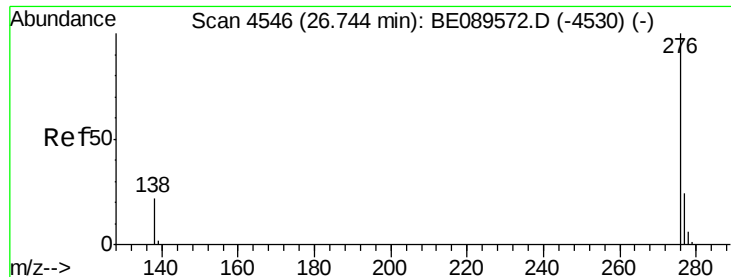
Tgt Ion: 252 Resp: 1516
 Ion Ratio Lower Upper
 252 100
 254 27.1 51.0 76.4#
 126 122.3 8.3 12.5#



#25
 Chrysene
 Concen: 0.49 ng
 RT: 23.69 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BE089578.D
 Acq: 16 Feb 2015 21:07

Tgt Ion: 228 Resp: 206440
 Ion Ratio Lower Upper
 228 100
 226 35.5 22.9 34.3#
 229 31.4 15.8 23.6#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.75 min Scan# 4546

Delta R.T. 0.00 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

Instrument :

BNA_E

ClientSampleId :

MW-1

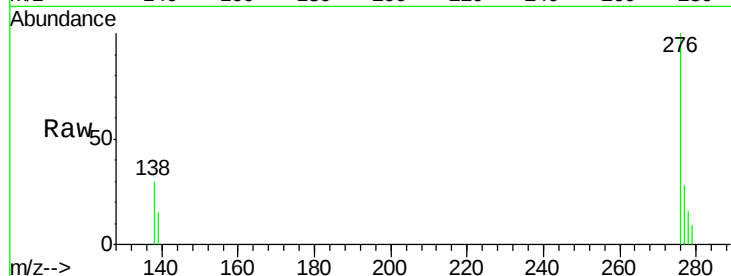
Tgt Ion:276 Resp: 5476

Ion Ratio Lower Upper

276 100

138 22.5 22.1 33.1

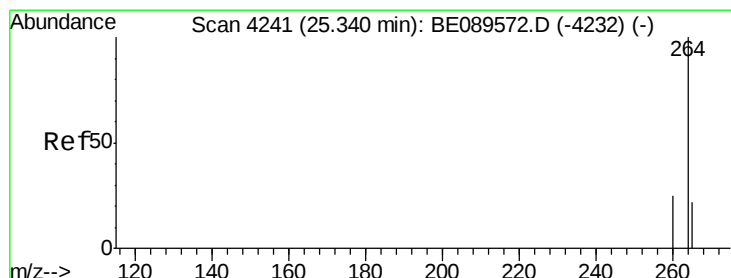
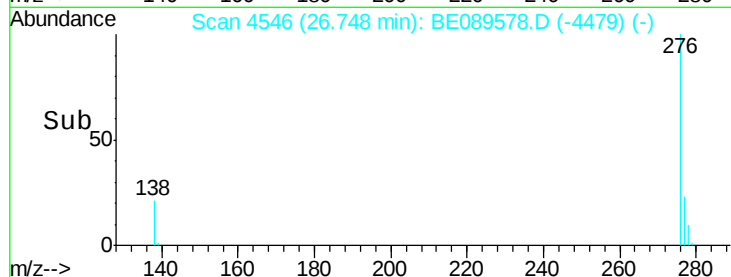
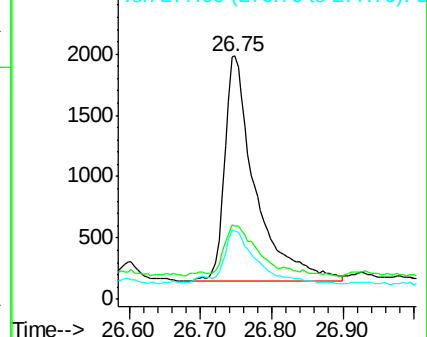
277 24.0 19.4 29.2



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: 25.34 min Scan# 4241

Delta R.T. 0.00 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

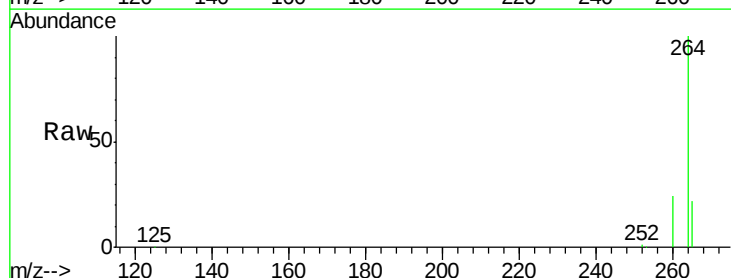
Tgt Ion:264 Resp: 389141

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.6

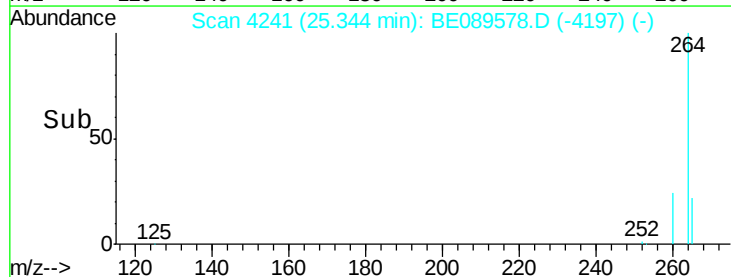
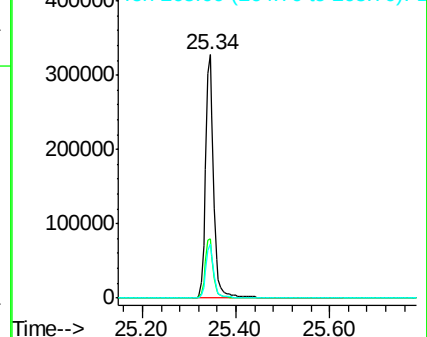
265 22.5 17.5 26.3

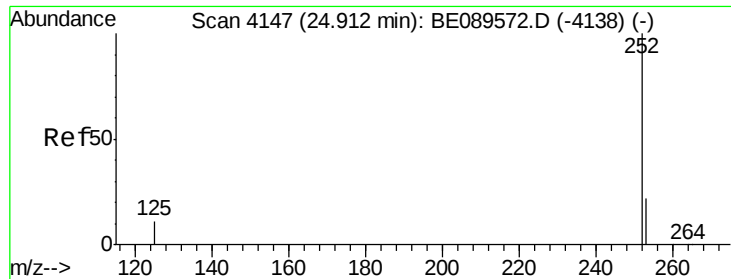


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#28

Benzo(b)fluoranthene

Concen: 0.28 ng

RT: 24.92 min Scan# 4147

Delta R.T. 0.00 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

Instrument :

BNA_E

ClientSampleId :

MW-1

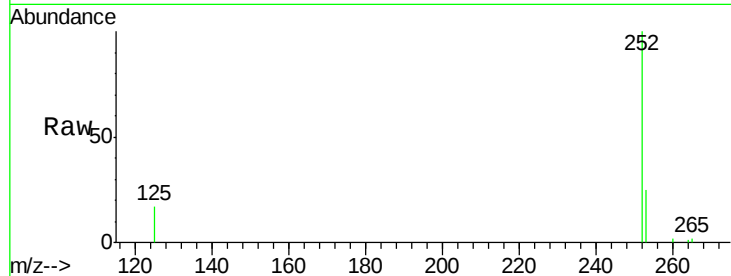
Tgt Ion:252 Resp: 23999

Ion Ratio Lower Upper

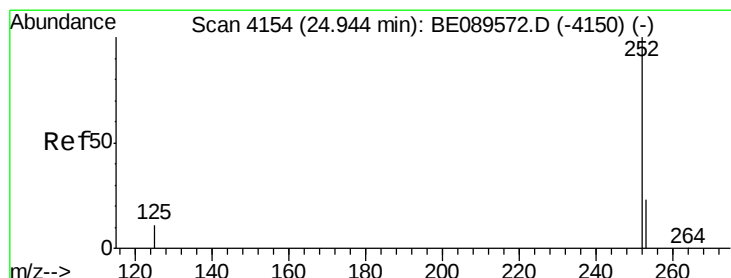
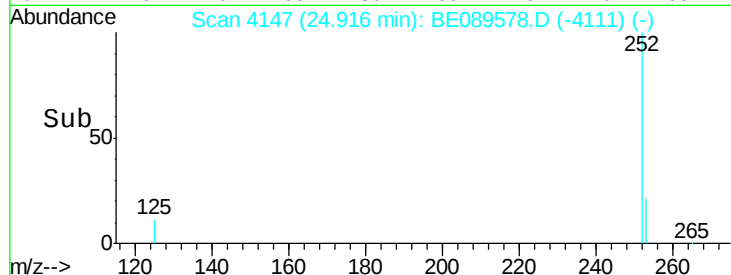
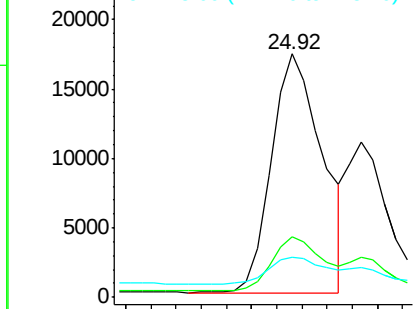
252 100

253 24.7 17.5 26.3

125 16.7 9.0 13.4#



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: 0.13 ng

RT: 24.94 min Scan# 4153

Delta R.T. -0.00 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

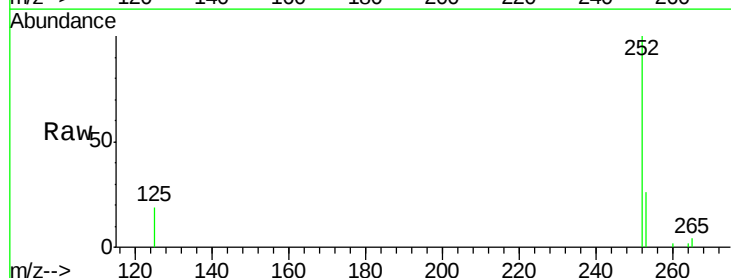
Tgt Ion:252 Resp: 13814

Ion Ratio Lower Upper

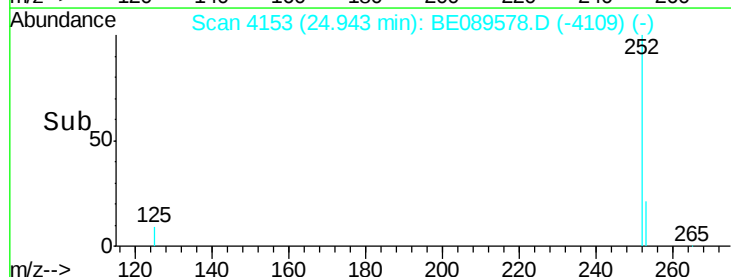
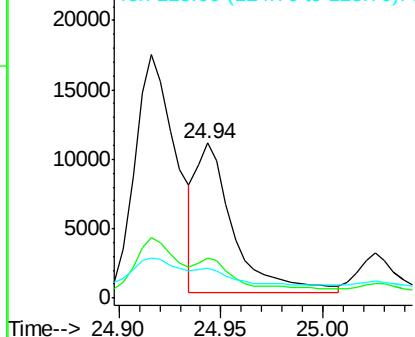
252 100

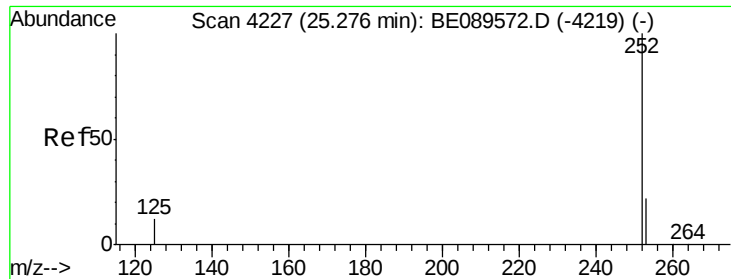
253 25.6 18.2 27.2

125 19.3 8.9 13.3#



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: 0.18 ng

RT: 25.28 min Scan# 4226

Delta R.T. -0.00 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

Instrument :

BNA_E

ClientSampleId :

MW-1

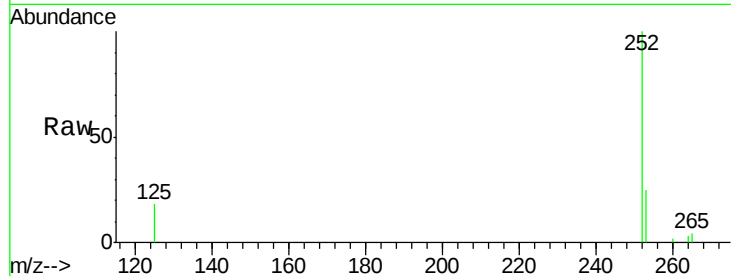
Tgt Ion: 252 Resp: 14531

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

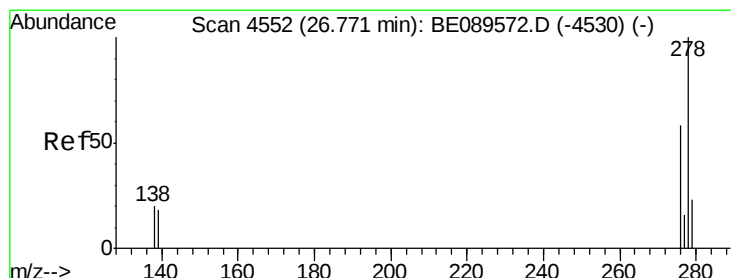
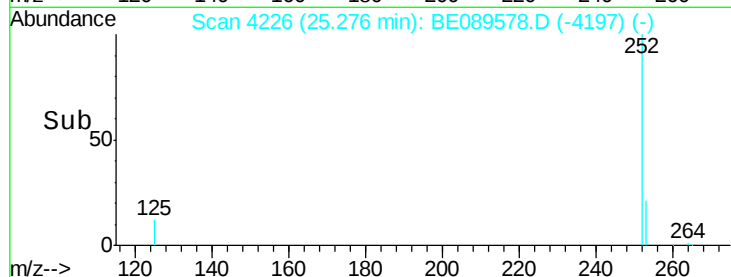
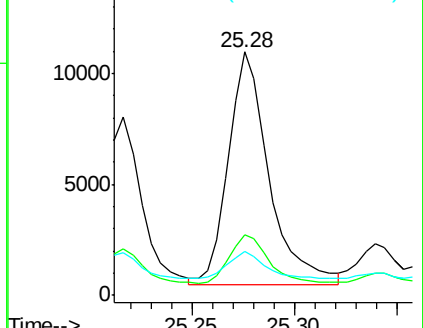
125 18.2 9.5 14.3#



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: 0.04 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BE089578.D

Acq: 16 Feb 2015 21:07

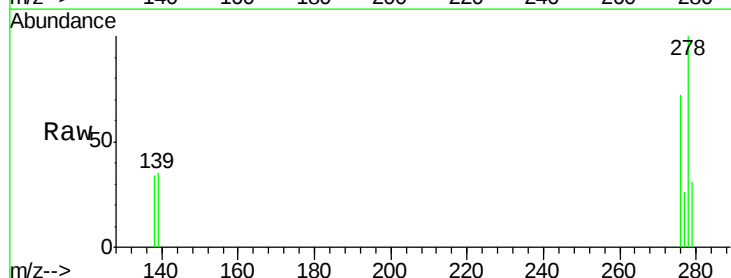
Tgt Ion: 278 Resp: 3316

Ion Ratio Lower Upper

278 100

139 35.0 14.7 22.1#

279 30.7 19.0 28.4#



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

