

Data Path : Z:\HPCHEM1\BNA_E\Data\BE012915\
 Data File : BE089419.D
 Acq On : 29 Jan 2015 18:24
 Operator : TP/IZ
 Sample : G1110-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 30 06:30:43 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

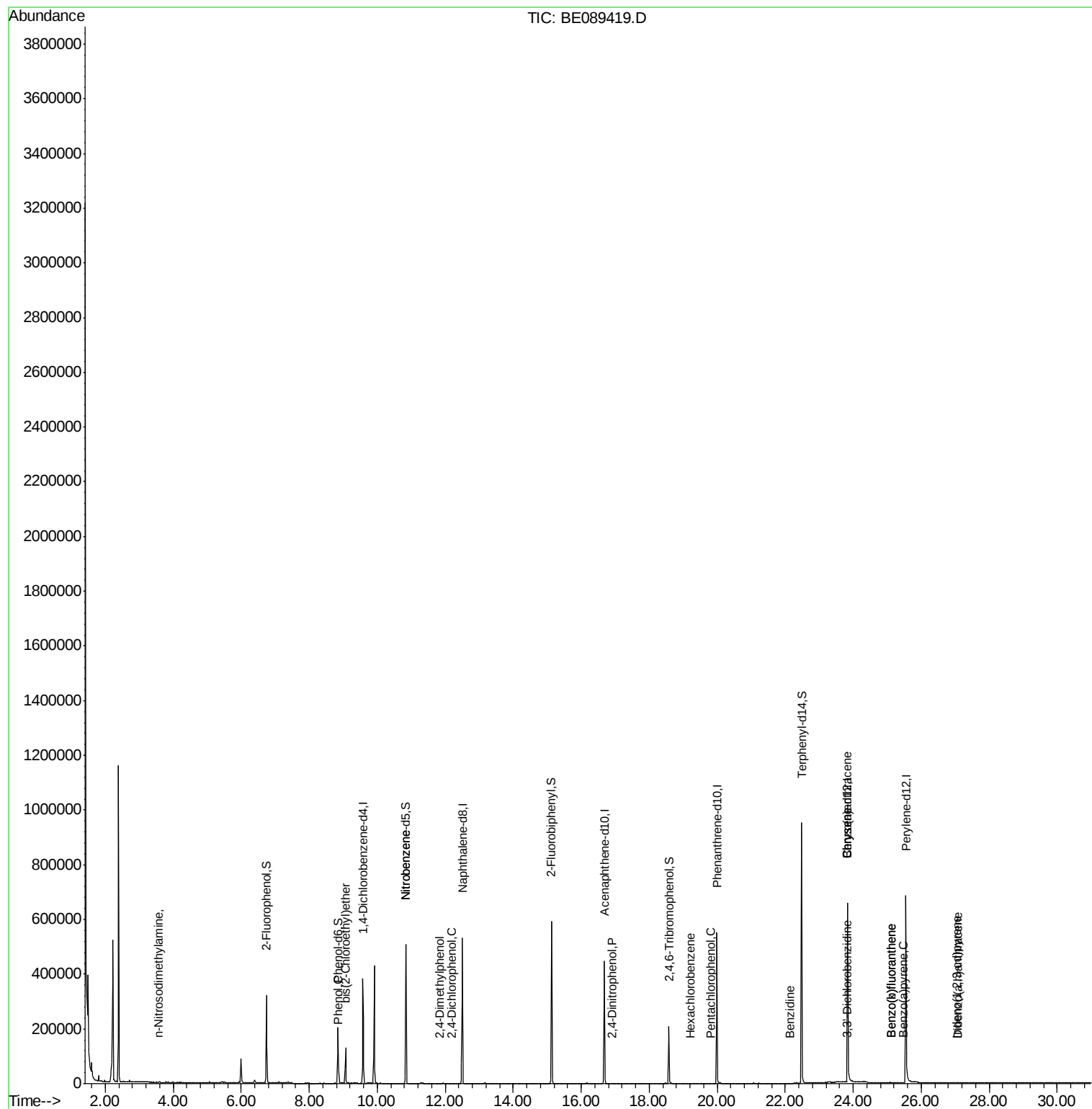
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	151589	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	585049	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	276767	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	531298	5.00	ng	0.00
20) Chrysene-d12	23.84	240	635370	5.00	ng	0.00
27) Perylene-d12	25.55	264	652625	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.74	112	217673	3.82	ng	0.00
4) Phenol-d6	8.85	99	166126	2.45	ng	0.00
8) Nitrobenzene-d5	10.85	82	374515	7.87	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	107963	14.14	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	540222	7.00	ng	0.00
22) Terphenyl-d14	22.48	244	811727	11.05	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.58	42	94	0.00	ng	# 1
5) Phenol	8.87	94	20202	0.27	ng	90
6) bis(2-Chloroethyl)ether	9.07	93	683	0.01	ng	# 1
9) Nitrobenzene	10.84	77	1359	0.03	ng	# 38
10) 2,4-Dimethylphenol	11.83	122	198	0.01	ng	# 80
11) 2,4-Dichlorophenol	12.21	162	70	0.00	ng	# 1
16) 2,4-Dinitrophenol	16.90	184	11	0.01	ng	# 1
18) Hexachlorobenzene	19.22	284	51	0.00	ng	# 1
19) Pentachlorophenol	19.79	266	40	0.01	ng	94
21) Benzidine	22.13	184	43	0.00	ng	# 1
23) Benzo(a)anthracene	23.83	228	9967	0.02	ng	# 76
24) 3,3'-Dichlorobenzidine	23.80	252	73	0.00	ng	# 1
25) Chrysene	23.83	228	9967	0.02	ng	# 77
26) Indeno(1,2,3-cd)pyrene	27.05	276	432	0.00	ng	# 100
28) Benzo(b)fluoranthene	25.12	252	664	0.01	ng	# 1
29) Benzo(k)fluoranthene	25.12	252	664	0.00	ng	# 1
30) Benzo(a)pyrene	25.48	252	325	0.00	ng	# 1
31) Dibenzo(a,h)anthracene	27.07	278	387	0.00	ng	# 1

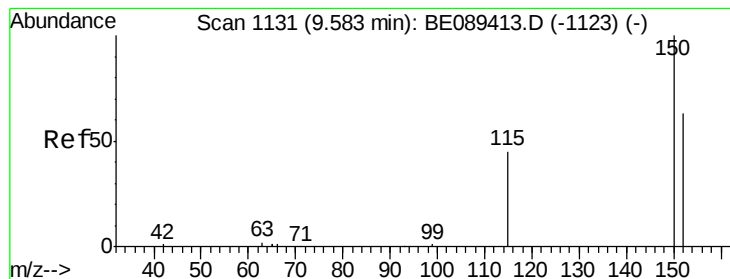
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089419.D

Acq: 29 Jan 2015 18:24

Instrument :

BNA_E

ClientSampled :

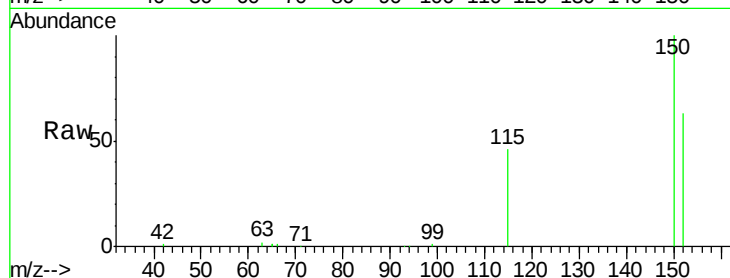
Tgt Ion:152 Resp: 151589

Ion Ratio Lower Upper

152 100

150 158.8 126.1 189.1

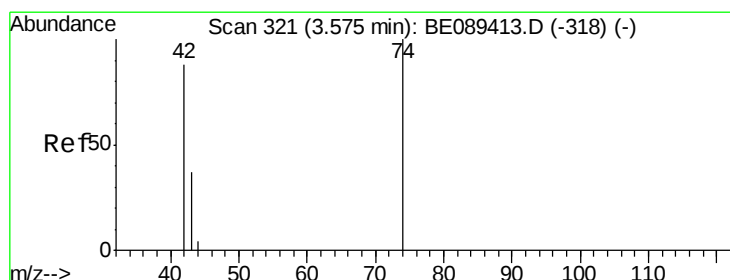
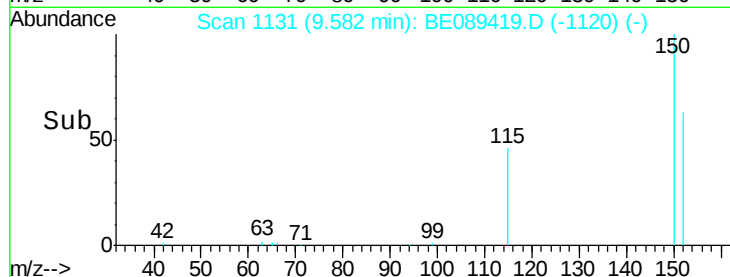
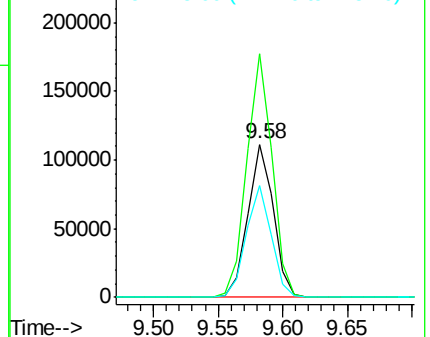
115 73.2 57.1 85.7



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: 3.58 min Scan# 321

Delta R.T. 0.00 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

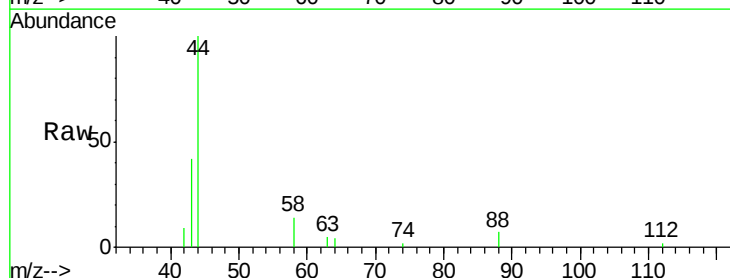
Tgt Ion: 42 Resp: 94

Ion Ratio Lower Upper

42 100

74 21.7 90.2 135.2#

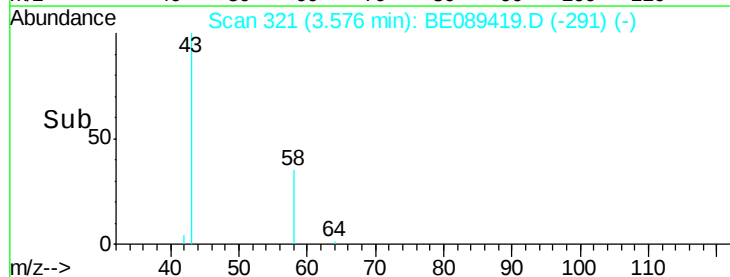
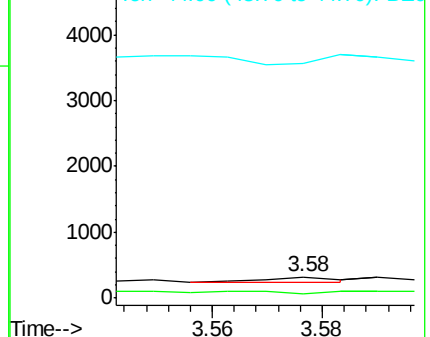
44 1093.3 19.4 29.2#

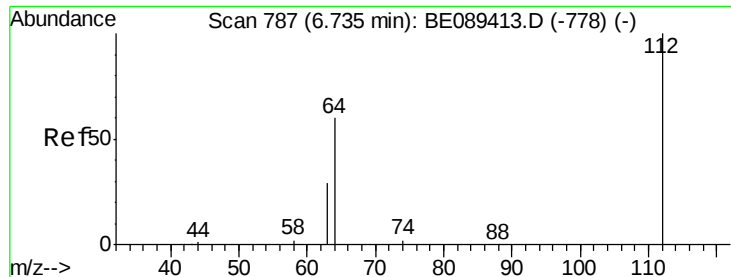


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

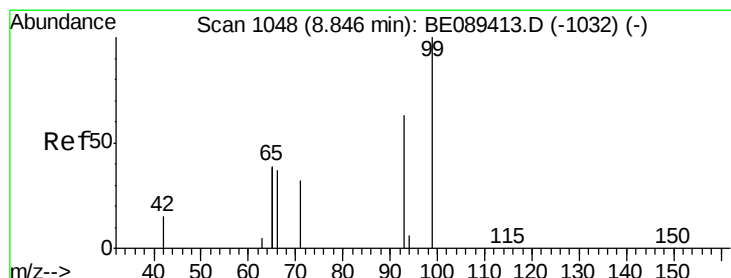
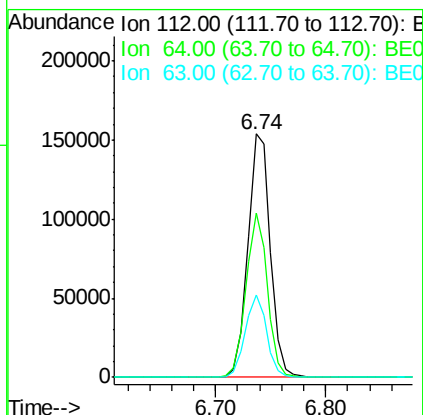
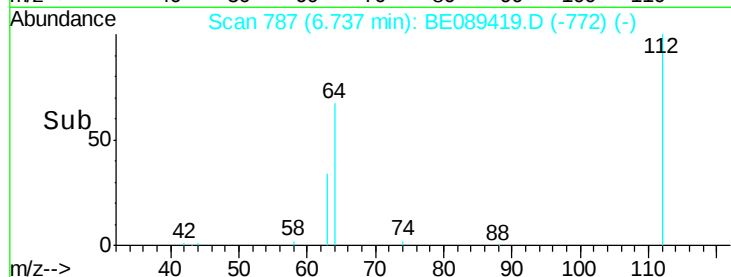
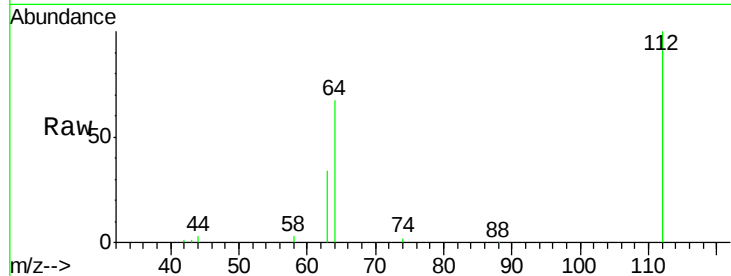




#3
 2-Fluorophenol
 Concen: 3.82 ng
 RT: 6.74 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BE089419.D
 Acq: 29 Jan 2015 18:24

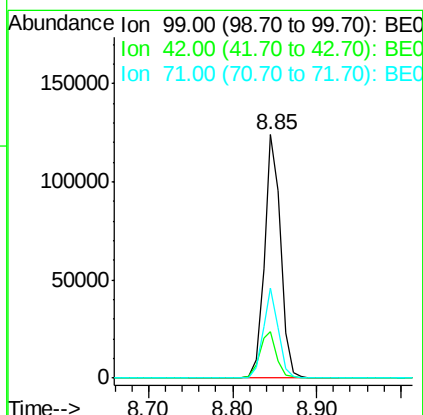
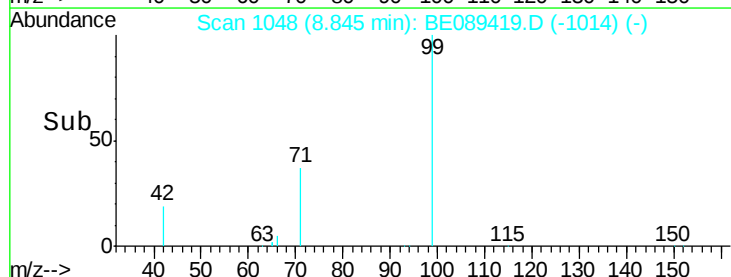
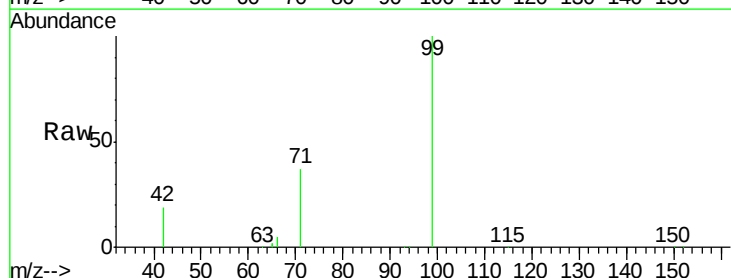
Instrument :
 BNA_E
 ClientSampleId :

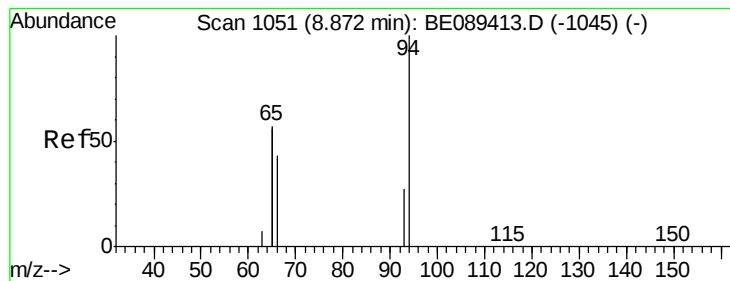
Tgt Ion: 112 Resp: 217673
 Ion Ratio Lower Upper
 112 100
 64 67.5 48.2 72.4
 63 34.0 23.5 35.3



#4
 Phenol-d6
 Concen: 2.45 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BE089419.D
 Acq: 29 Jan 2015 18:24

Tgt Ion: 99 Resp: 166126
 Ion Ratio Lower Upper
 99 100
 42 18.9 11.9 17.9#
 71 36.9 25.8 38.6





#5

Phenol

Concen: 0.27 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

Instrument :

BNA_E

ClientSampleId :

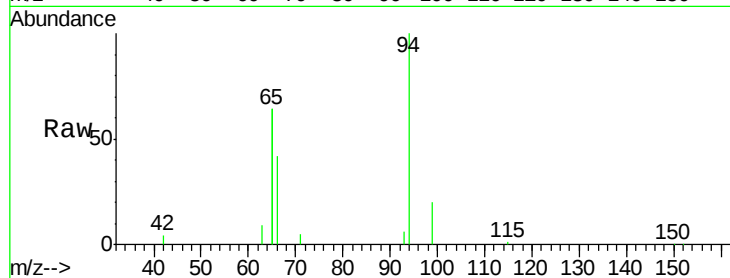
Tgt Ion: 94 Resp: 20202

Ion Ratio Lower Upper

94 100

65 127.3 93.3 133.3

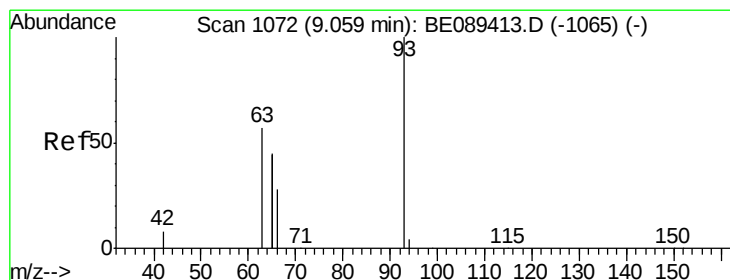
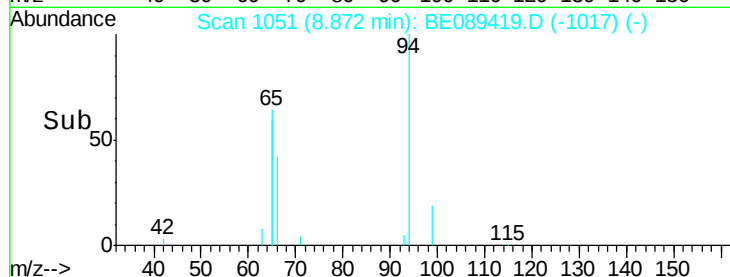
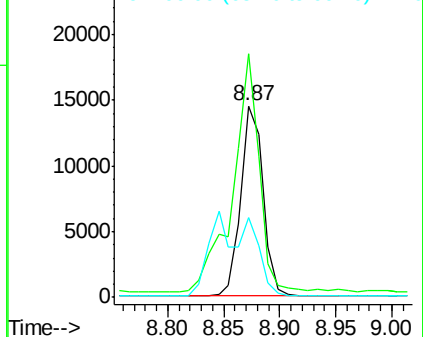
66 41.9 23.6 63.6



Abundance Ion 94.00 (93.70 to 94.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Ion 66.00 (65.70 to 66.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 9.07 min Scan# 1073

Delta R.T. 0.01 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

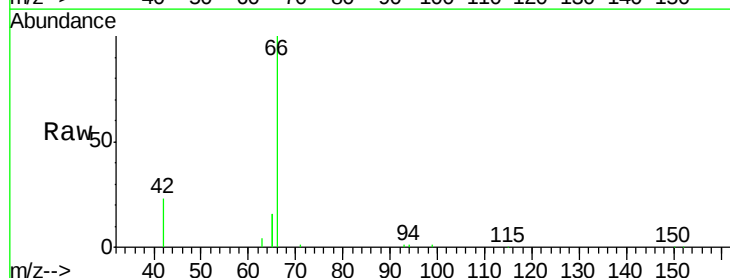
Tgt Ion: 93 Resp: 683

Ion Ratio Lower Upper

93 100

63 687.3 58.6 88.0#

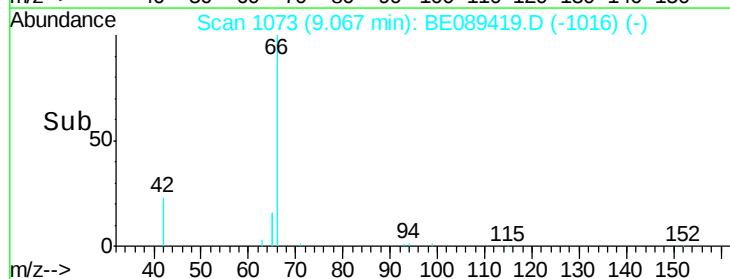
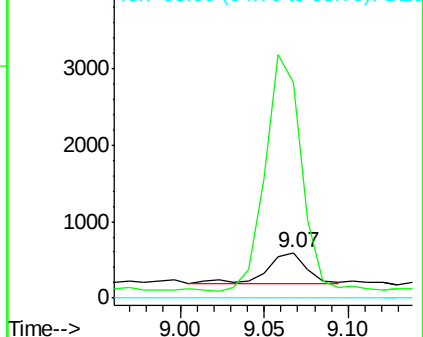
95 0.0 0.0 0.0

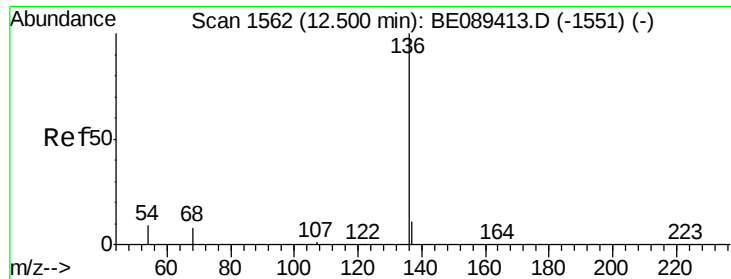


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

Instrument :

BNA_E

ClientSampled :

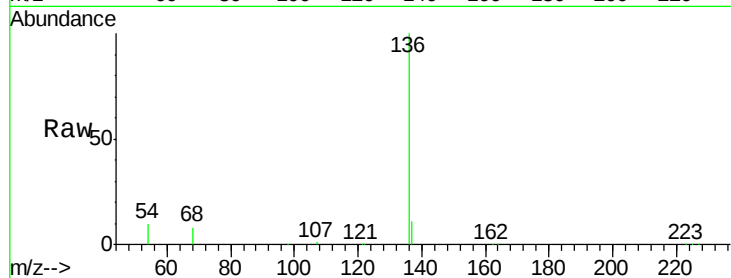
Tgt Ion: 136 Resp: 585049

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

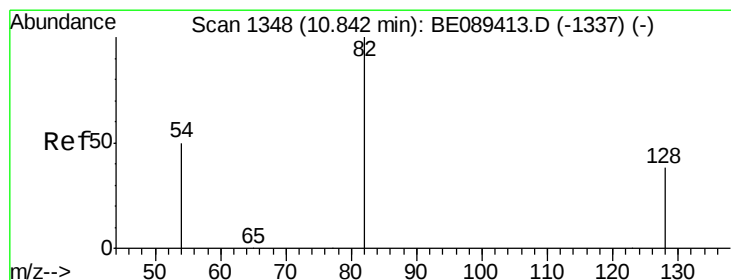
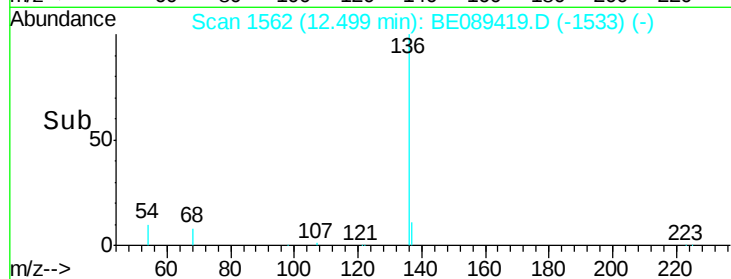
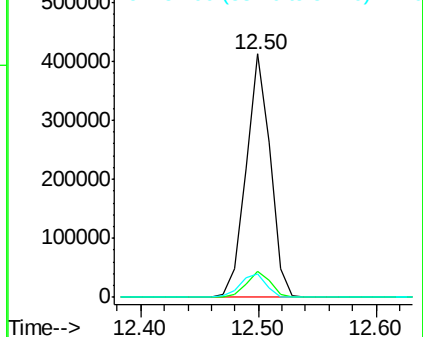
54 9.8 7.5 11.3



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: 7.87 ng

RT: 10.85 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

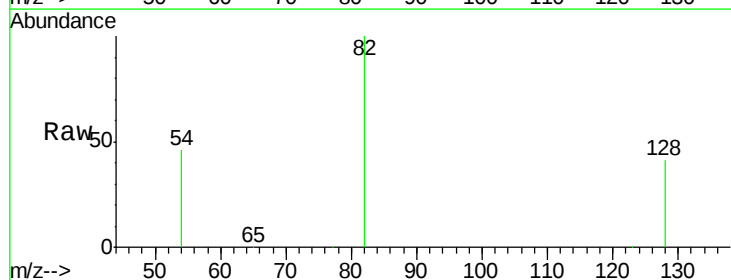
Tgt Ion: 82 Resp: 374515

Ion Ratio Lower Upper

82 100

128 41.3 31.0 46.4

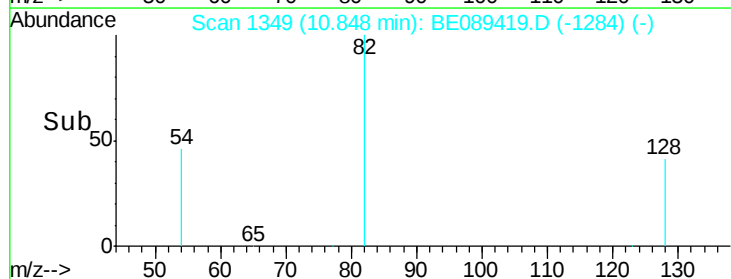
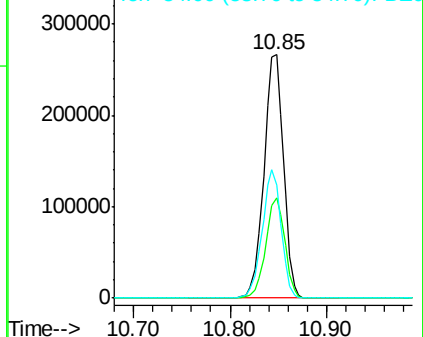
54 46.4 39.8 59.6

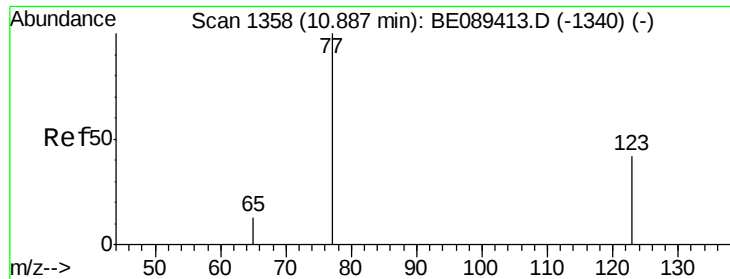


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.03 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.04 min

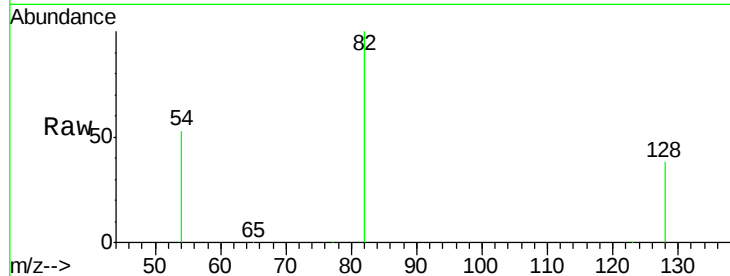
Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

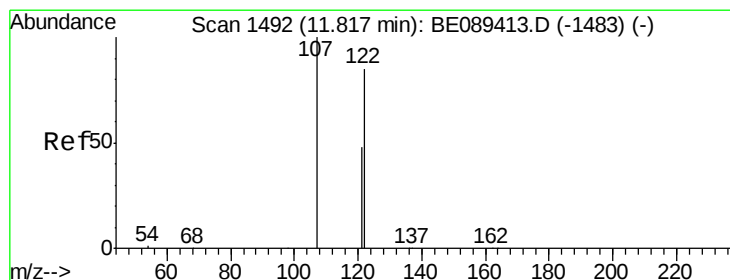
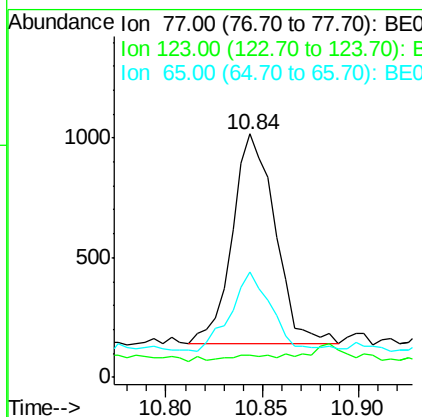
Instrument :

BNA_E

ClientSampleId :



Tgt Ion:	77	Resp:	1359
Ion	Ratio	Lower	Upper
77	100		
123	0.0	32.8	49.2#
65	34.8	11.0	16.6#



#10

2,4-Dimethylphenol

Concen: 0.01 ng

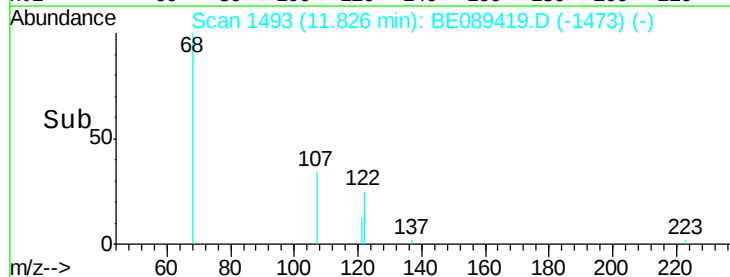
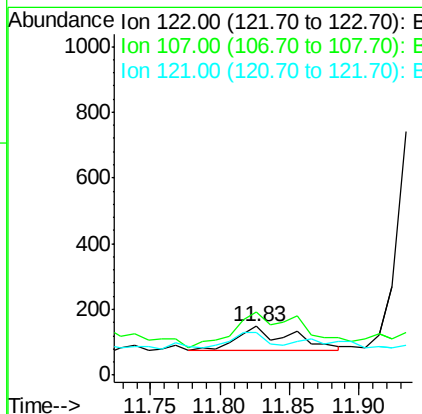
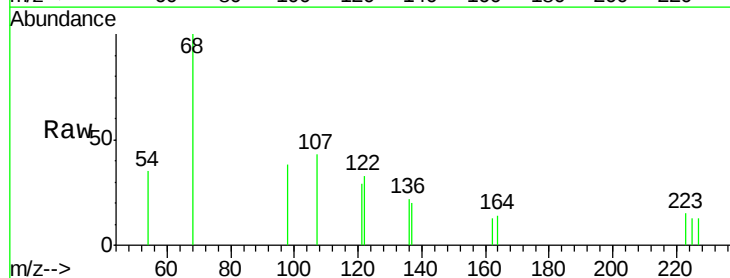
RT: 11.83 min Scan# 1493

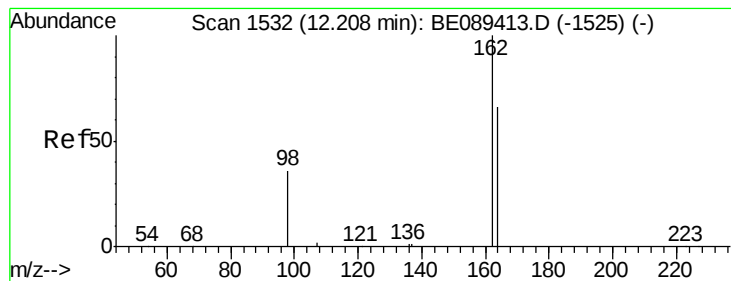
Delta R.T. 0.01 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

Tgt Ion:	122	Resp:	198
Ion	Ratio	Lower	Upper
122	100		
107	129.1	94.6	142.0
121	87.2	45.8	68.6#





#11

2,4-Dichlorophenol

Concen: 0.00 ng

RT: 12.21 min Scan# 1532

Delta R.T. -0.00 min

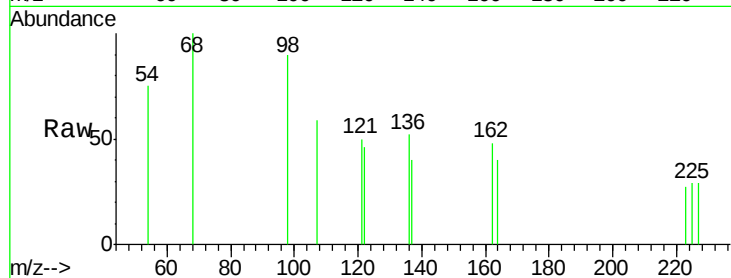
Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

Instrument :

BNA_E

ClientSampled :



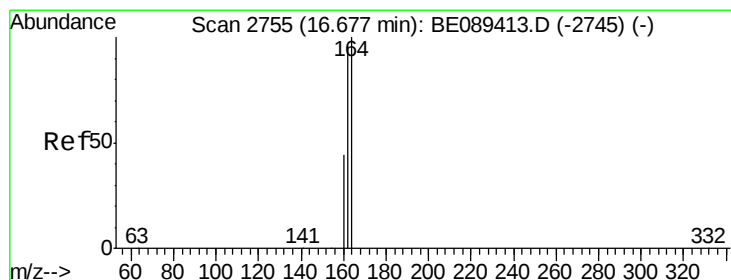
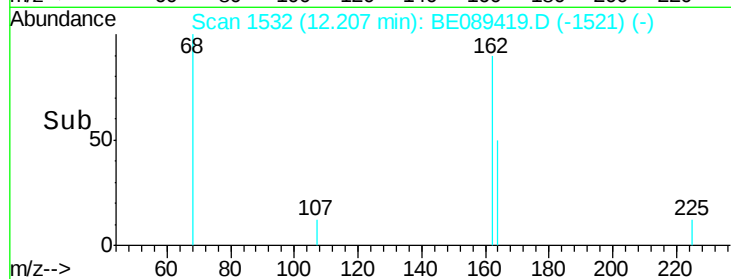
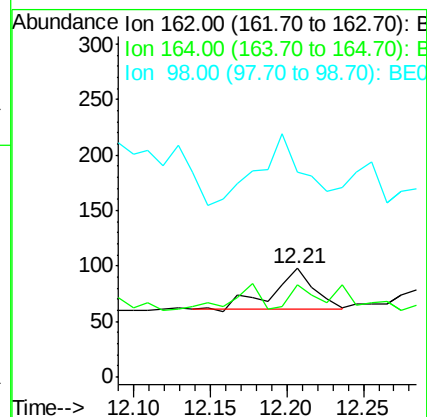
Tgt Ion:162 Resp: 70

Ion Ratio Lower Upper

162 100

164 84.7 46.1 86.1

98 188.8 16.2 56.2#



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

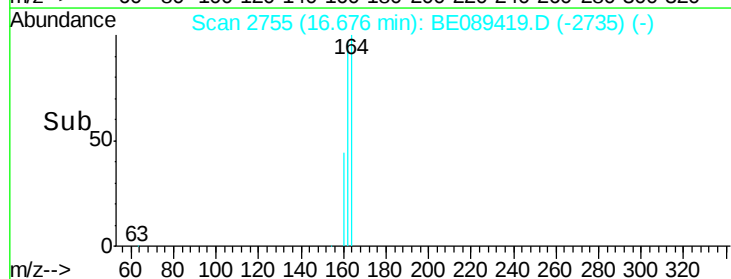
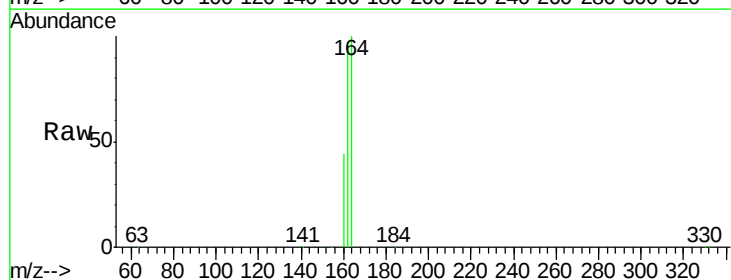
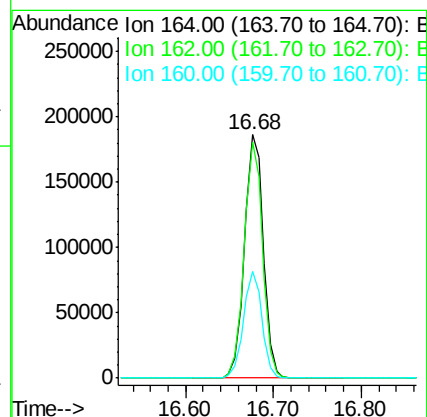
Tgt Ion:164 Resp: 276767

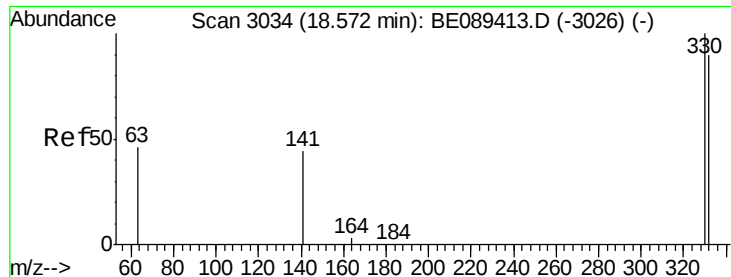
Ion Ratio Lower Upper

164 100

162 96.7 77.0 115.6

160 43.7 35.0 52.4

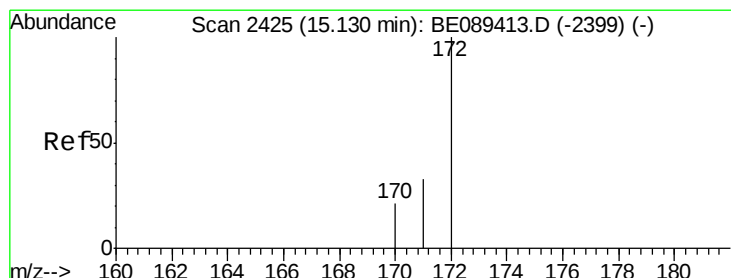
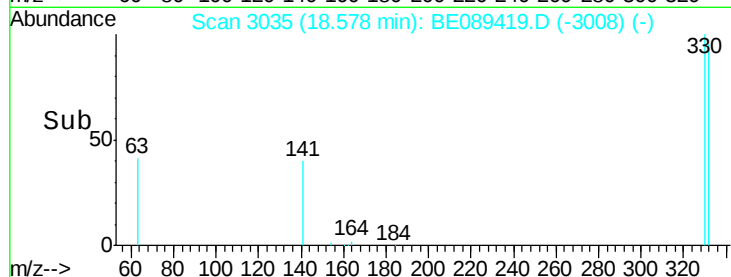
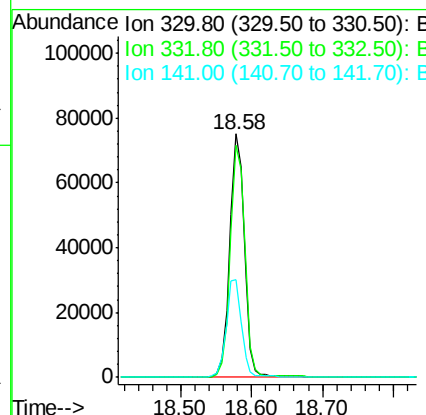
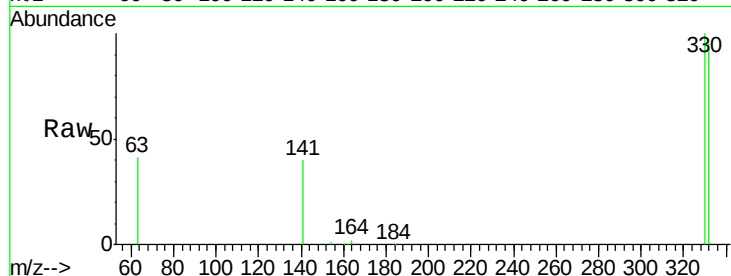




#14
 2,4,6-Tribromophenol
 Concen: 14.14 ng
 RT: 18.58 min Scan# 3035
 Delta R.T. 0.01 min
 Lab File: BE089419.D
 Acq: 29 Jan 2015 18:24

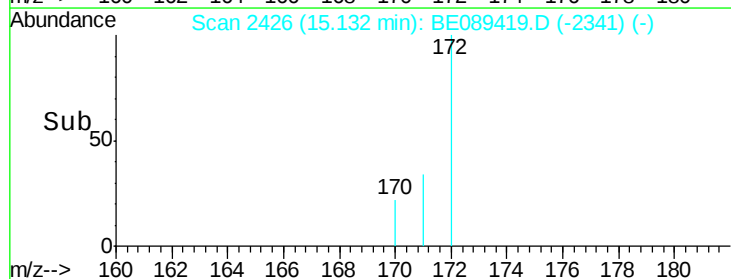
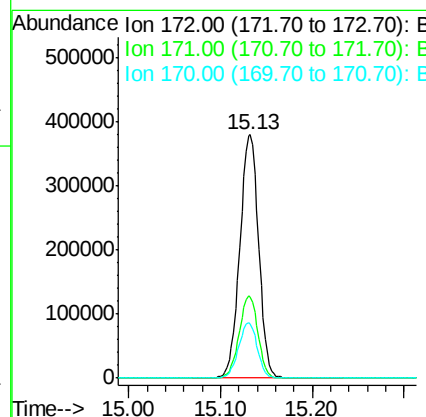
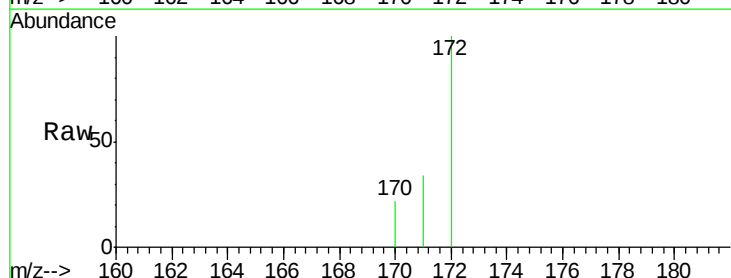
Instrument :
 BNA_E
 ClientSampleId :

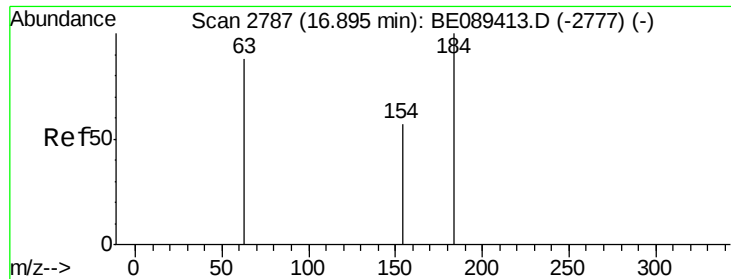
Tgt Ion: 330 Resp: 107963
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.0 114.0
 141 41.9 35.6 53.4



#15
 2-Fluorobiphenyl
 Concen: 7.00 ng
 RT: 15.13 min Scan# 2426
 Delta R.T. 0.00 min
 Lab File: BE089419.D
 Acq: 29 Jan 2015 18:24

Tgt Ion: 172 Resp: 540222
 Ion Ratio Lower Upper
 172 100
 171 33.5 26.6 39.8
 170 22.1 17.1 25.7

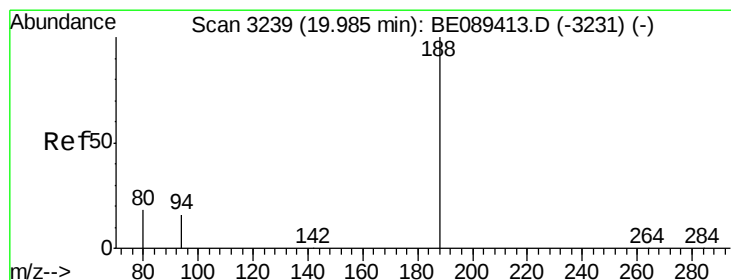
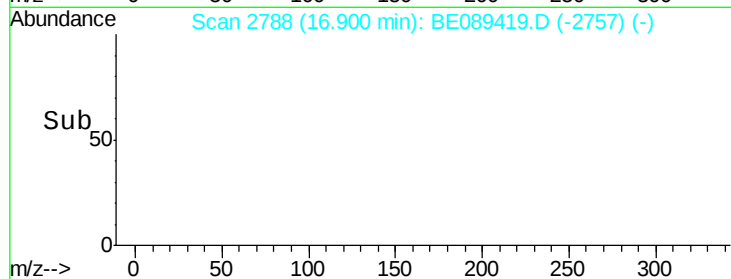
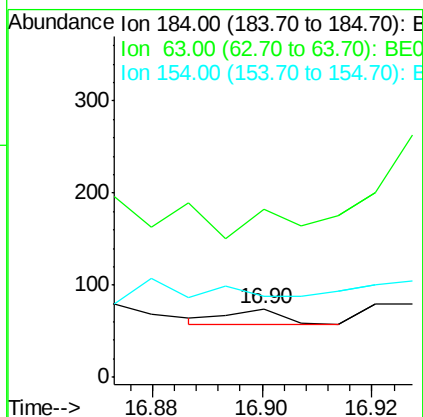
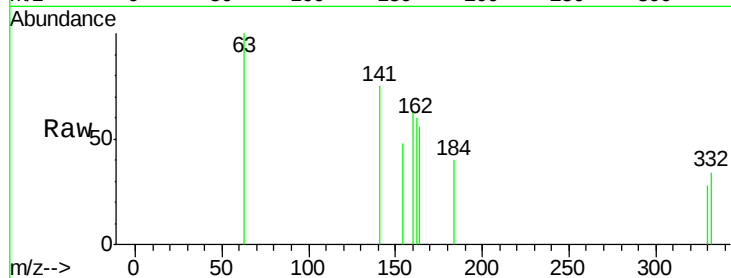




#16
2,4-Dinitrophenol
Concen: 0.01 ng
RT: 16.90 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BE089419.D
Acq: 29 Jan 2015 18:24

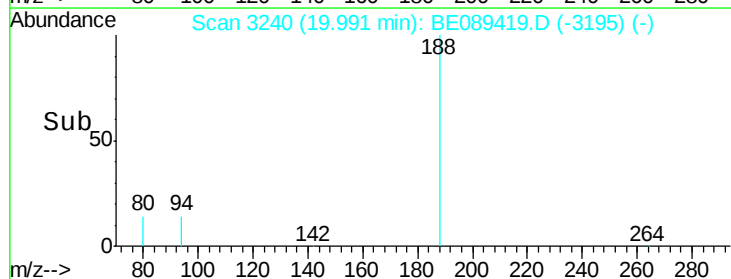
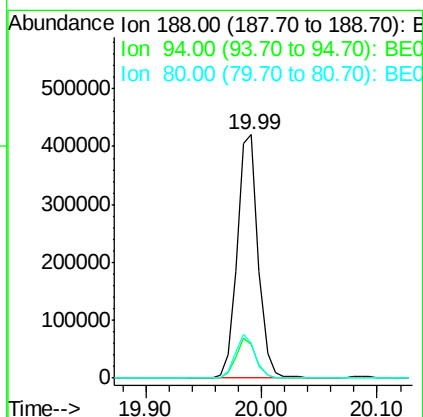
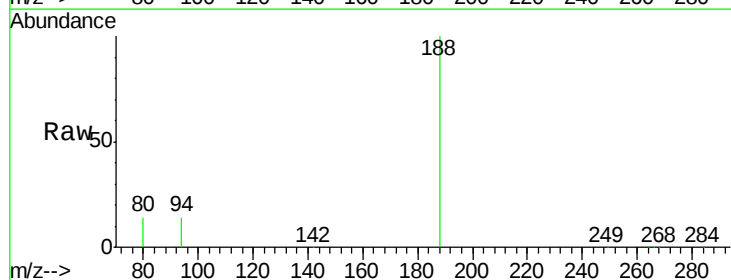
Instrument :
BNA_E
ClientSampleId :

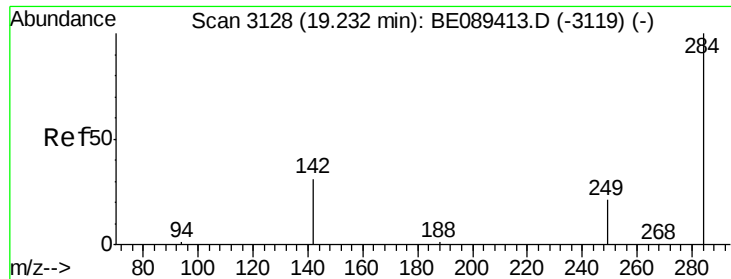
Tgt Ion:184 Resp: 11
Ion Ratio Lower Upper
184 100
63 247.3 79.0 118.4#
154 118.9 55.8 83.6#



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089419.D
Acq: 29 Jan 2015 18:24

Tgt Ion:188 Resp: 531298
Ion Ratio Lower Upper
188 100
94 14.0 13.0 19.6
80 14.4 14.2 21.4

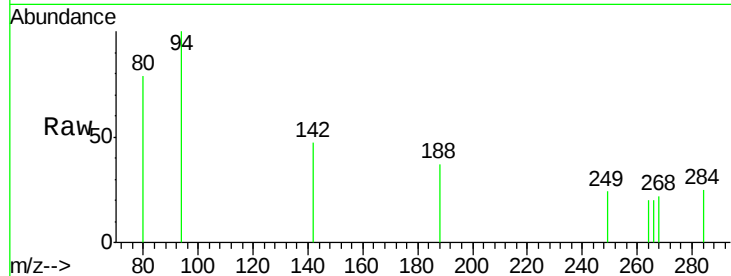




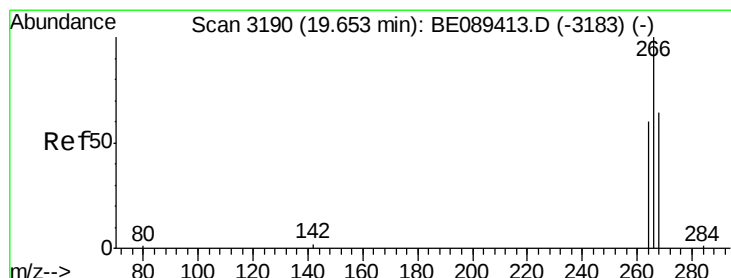
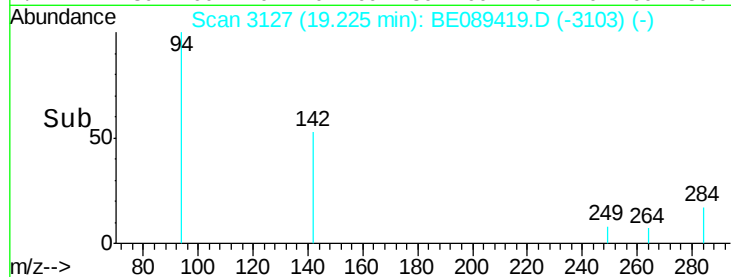
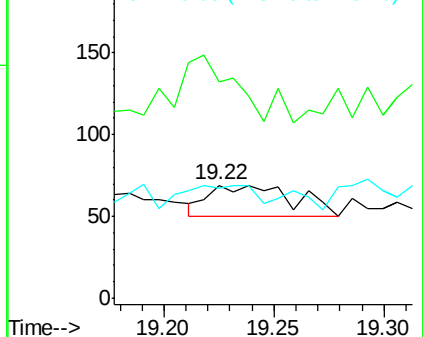
#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.22 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BE089419.D
Acq: 29 Jan 2015 18:24

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 51
Ion Ratio Lower Upper
284 100
142 191.3 28.3 42.5#
249 97.1 19.9 29.9#

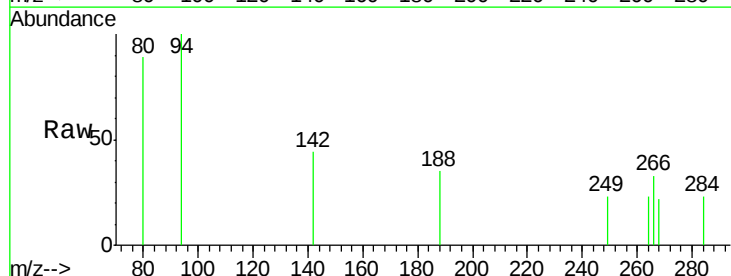


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

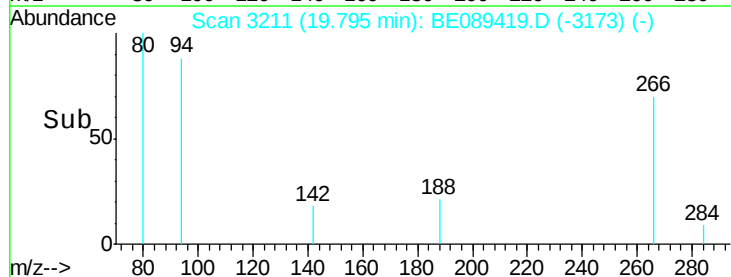
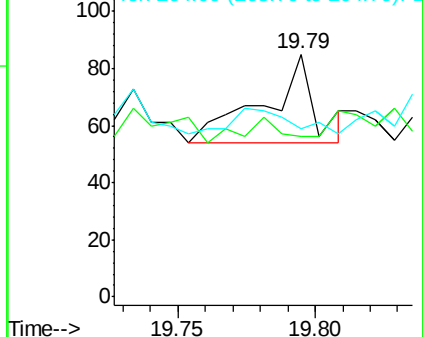


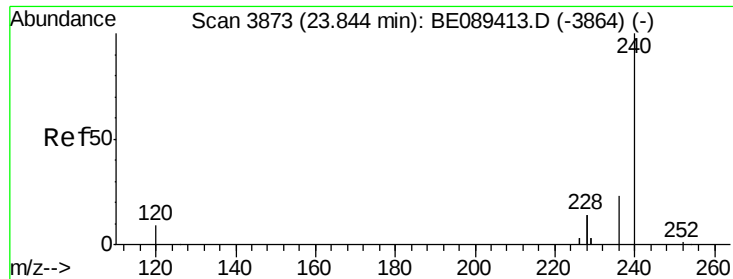
#19
Pentachlorophenol
Concen: 0.01 ng
RT: 19.79 min Scan# 3211
Delta R.T. 0.14 min
Lab File: BE089419.D
Acq: 29 Jan 2015 18:24

Tgt Ion:266 Resp: 40
Ion Ratio Lower Upper
266 100
268 65.9 51.9 77.9
264 69.4 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# 3872

Delta R.T. -0.00 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

Instrument :

BNA_E

ClientSampleId :

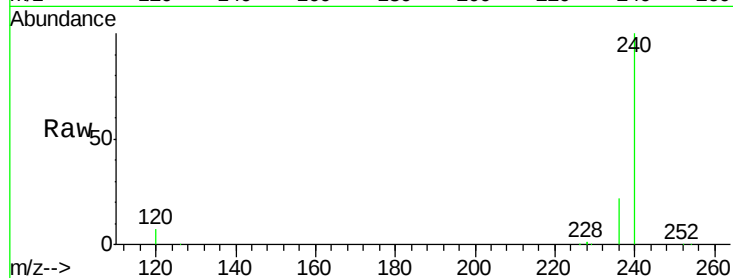
Tgt Ion:240 Resp: 635370

Ion Ratio Lower Upper

240 100

120 7.4 6.9 10.3

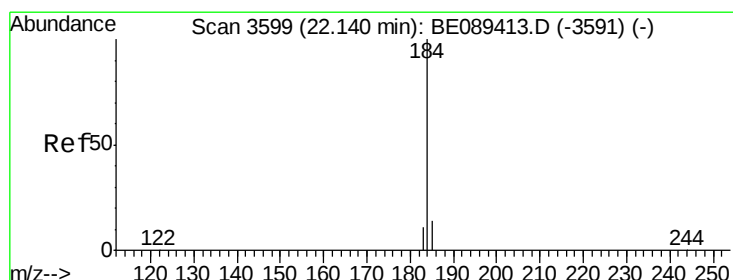
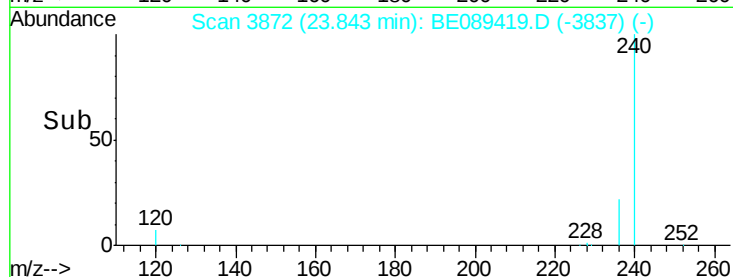
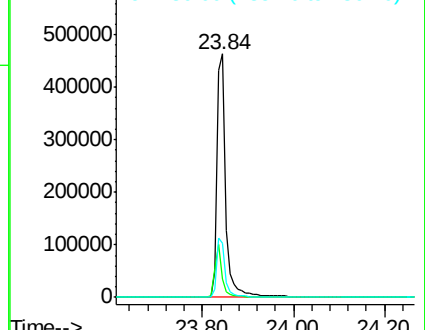
236 22.2 18.2 27.2



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: 22.13 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

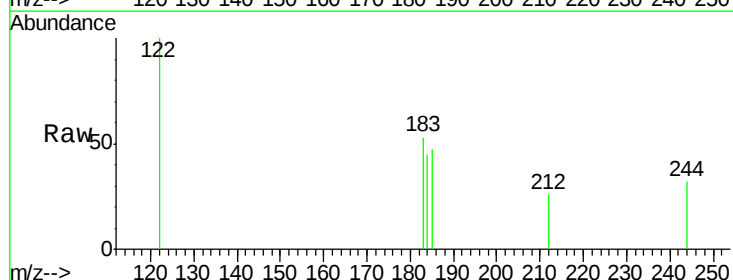
Tgt Ion:184 Resp: 43

Ion Ratio Lower Upper

184 100

185 104.6 11.0 16.6#

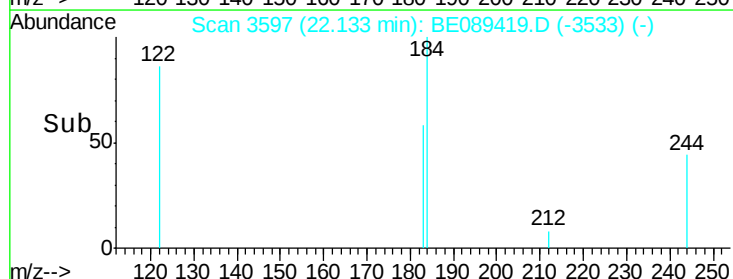
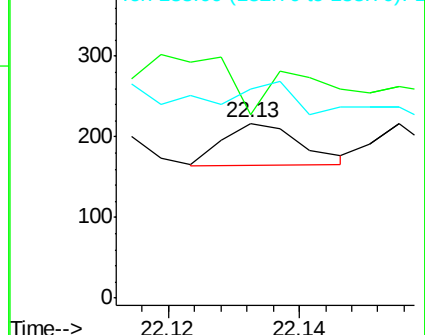
183 119.8 8.6 13.0#

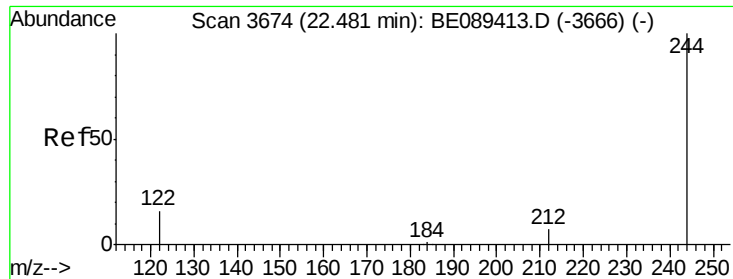


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

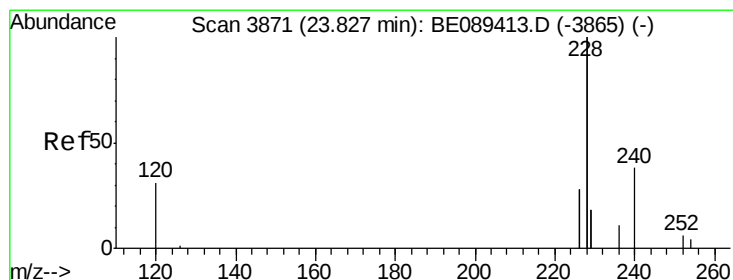
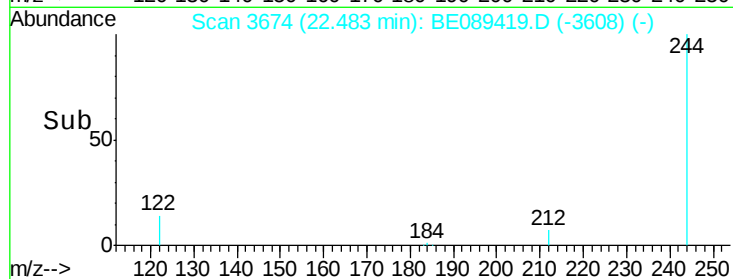
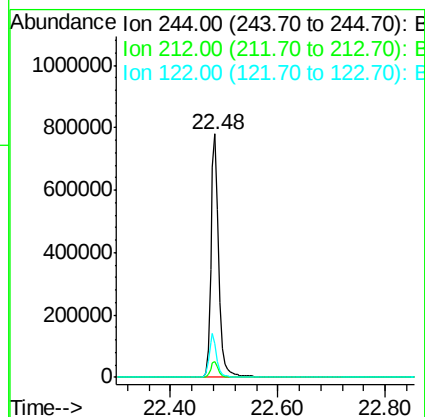
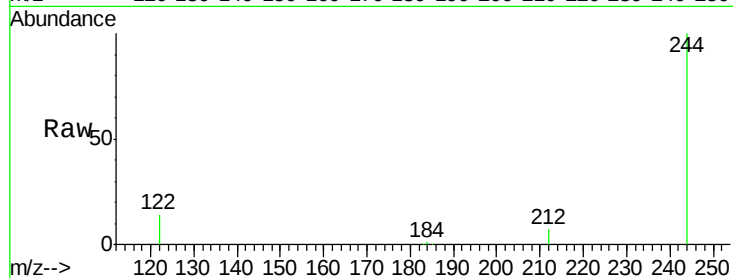




#22
 Terphenyl-d14
 Concen: 11.05 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: BE089419.D
 Acq: 29 Jan 2015 18:24

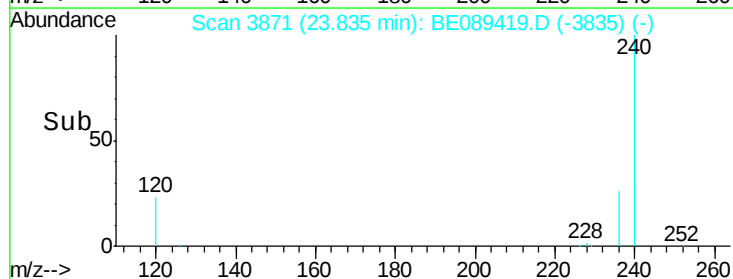
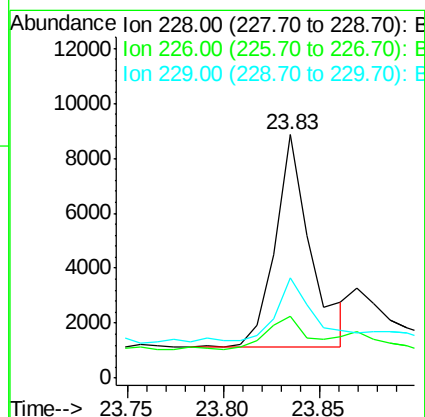
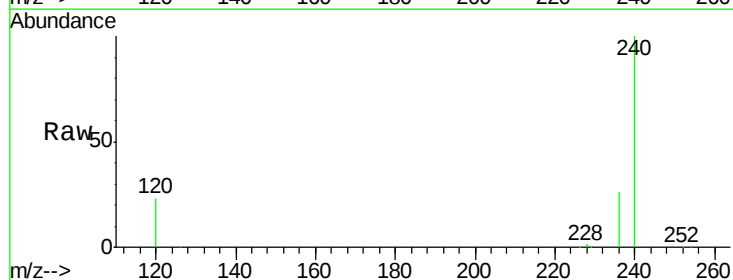
Instrument :
 BNA_E
 ClientSampleId :

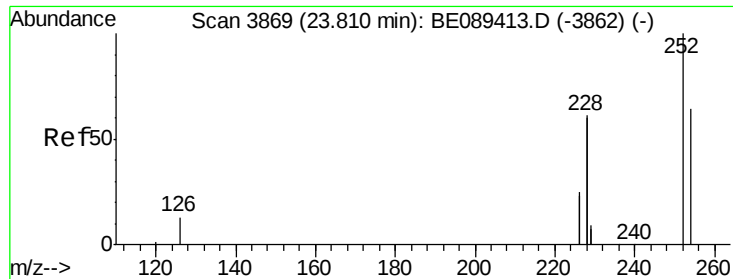
Tgt Ion:244 Resp: 811727
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 13.8 13.2 19.8



#23
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 23.83 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BE089419.D
 Acq: 29 Jan 2015 18:24

Tgt Ion:228 Resp: 9967
 Ion Ratio Lower Upper
 228 100
 226 25.3 22.6 33.8
 229 41.3 14.5 21.7#

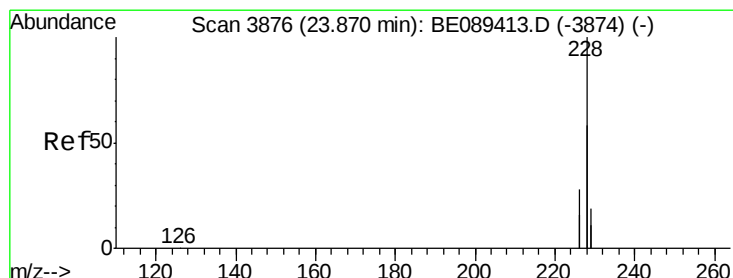
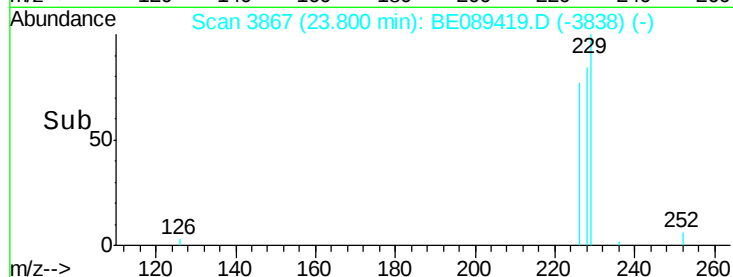
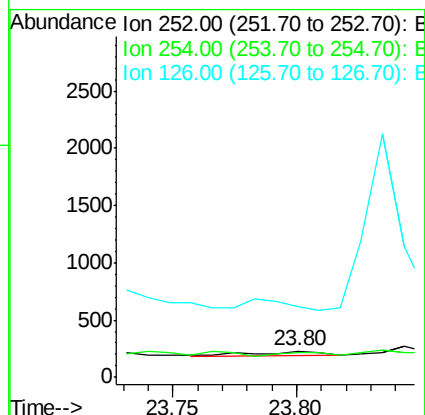
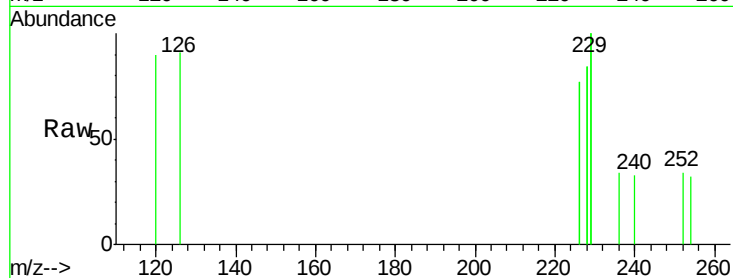




#24
 3,3'-Dichlorobenzidine
 Concen: 0.00 ng
 RT: 23.80 min Scan# 3867
 Delta R.T. -0.01 min
 Lab File: BE089419.D
 Acq: 29 Jan 2015 18:24

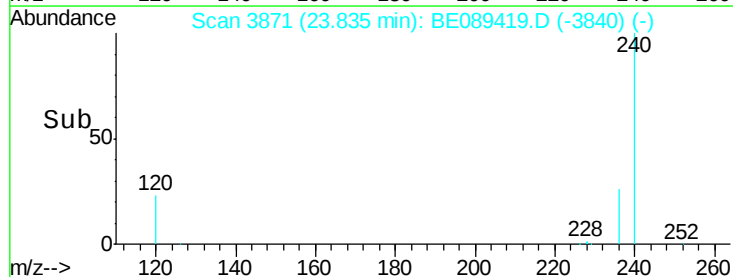
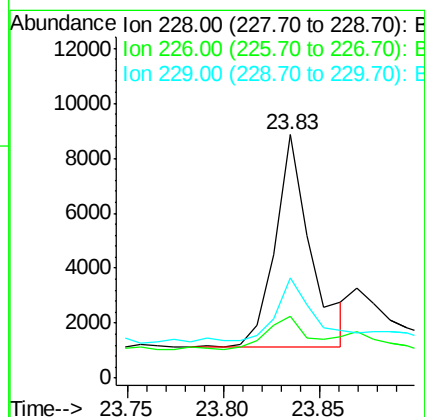
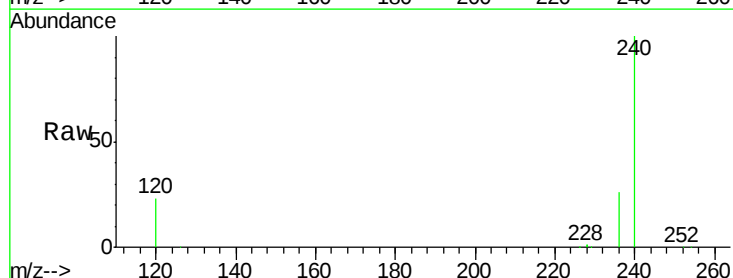
Instrument :
 BNA_E
 ClientSampled :

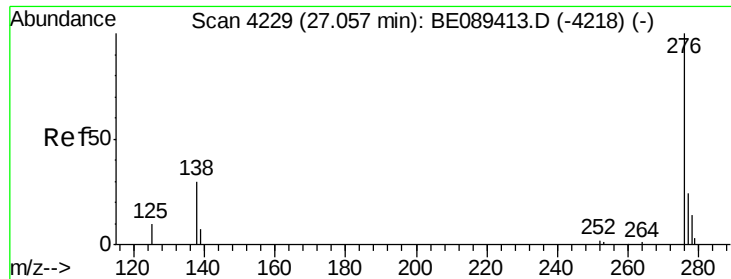
Tgt Ion: 252 Resp: 73
 Ion Ratio Lower Upper
 252 100
 254 93.9 51.1 76.7#
 126 266.7 11.5 17.3#



#25
 Chrysene
 Concen: 0.02 ng
 RT: 23.83 min Scan# 3871
 Delta R.T. -0.04 min
 Lab File: BE089419.D
 Acq: 29 Jan 2015 18:24

Tgt Ion: 228 Resp: 9967
 Ion Ratio Lower Upper
 228 100
 226 25.3 22.6 33.8
 229 41.3 15.5 23.3#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 27.05 min Scan# 4227

Delta R.T. -0.01 min

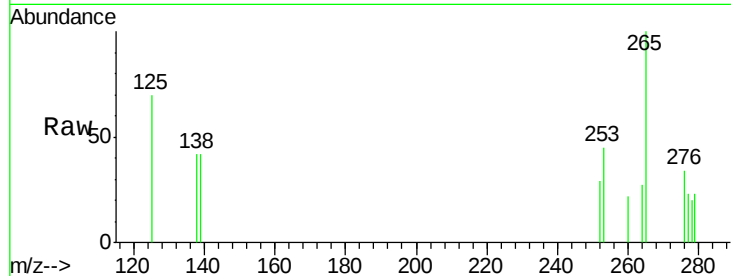
Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

Instrument :

BNA_E

ClientSampleId :



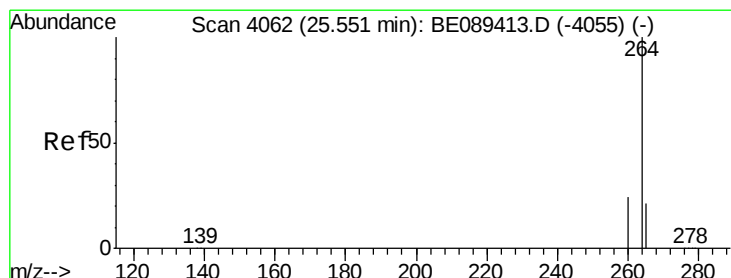
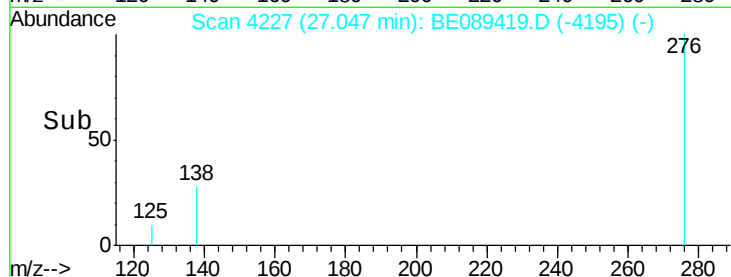
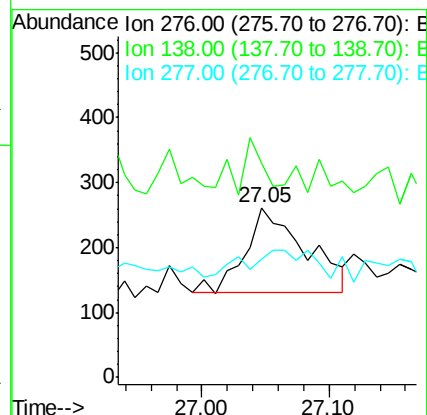
Tgt Ion: 276 Resp: 432

Ion Ratio Lower Upper

276 100

138 29.9 0.0 0.0#

277 31.5 0.0 0.0#



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. -0.00 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

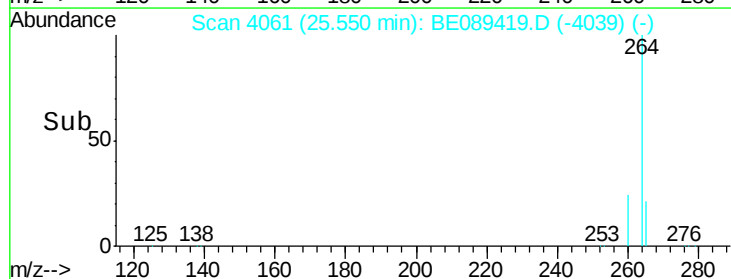
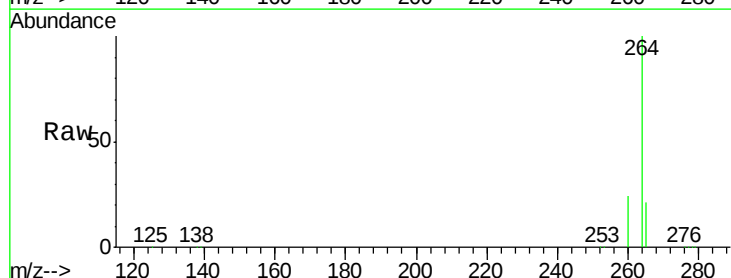
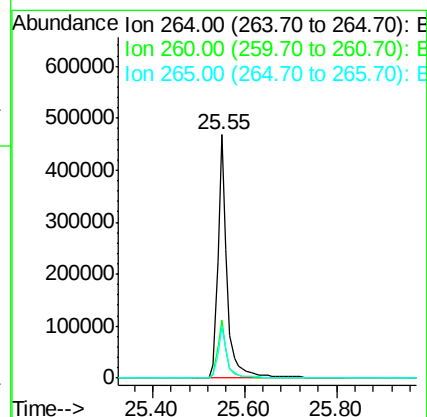
Tgt Ion: 264 Resp: 652625

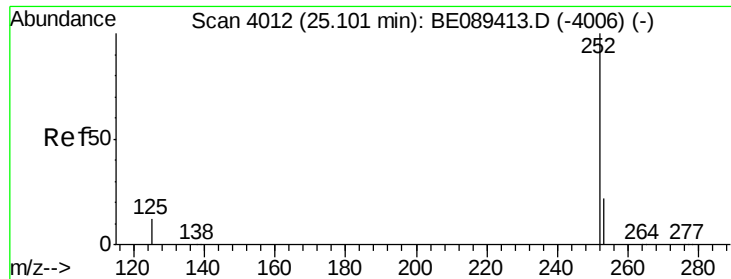
Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

265 21.3 17.1 25.7





#28

Benzo(b)fluoranthene

Concen: 0.01 ng

RT: 25.12 min Scan# 4013

Delta R.T. 0.02 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

Instrument :

BNA_E

ClientSampleId :

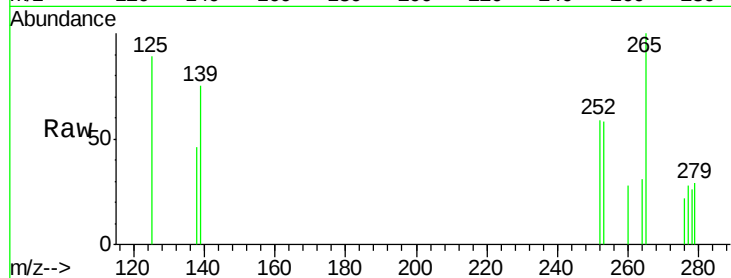
Tgt Ion:252 Resp: 664

Ion Ratio Lower Upper

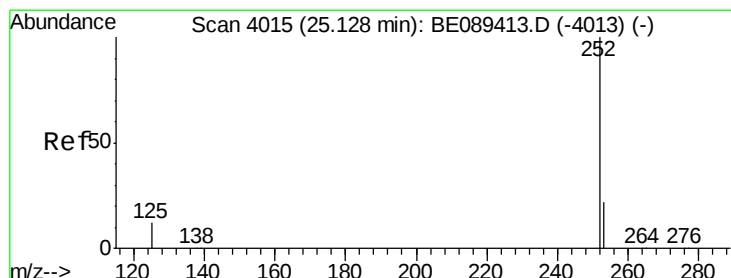
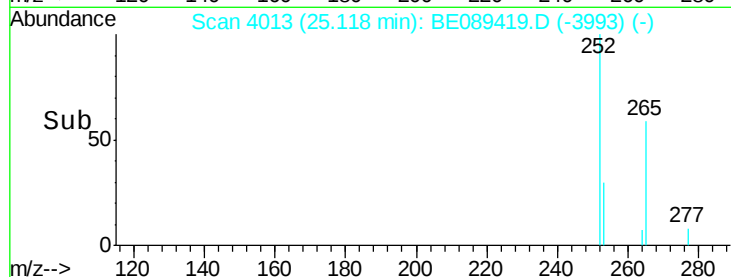
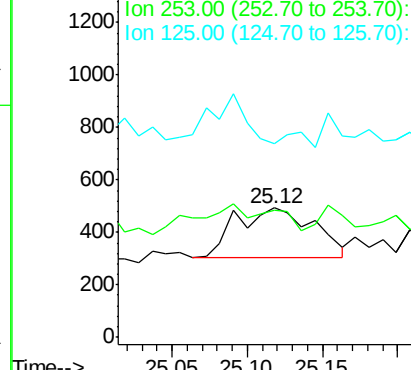
252 100

253 98.0 17.6 26.4#

125 150.0 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: 25.12 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

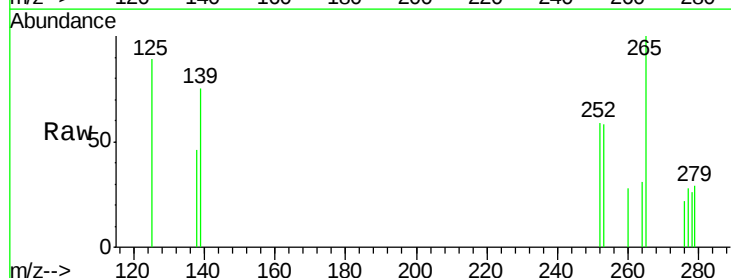
Tgt Ion:252 Resp: 664

Ion Ratio Lower Upper

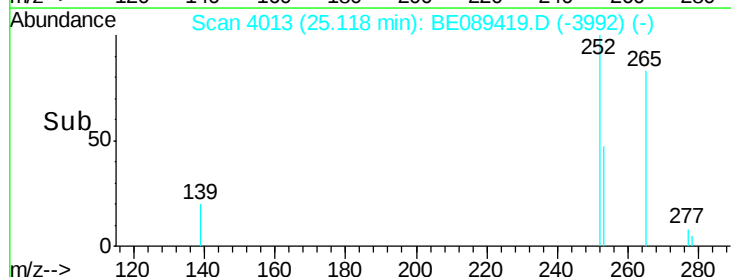
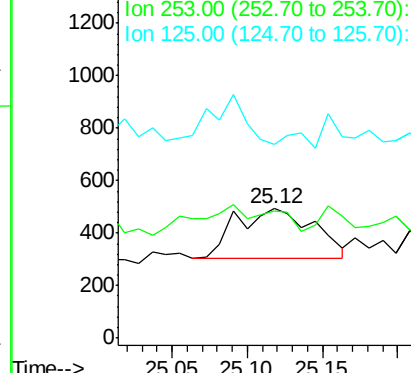
252 100

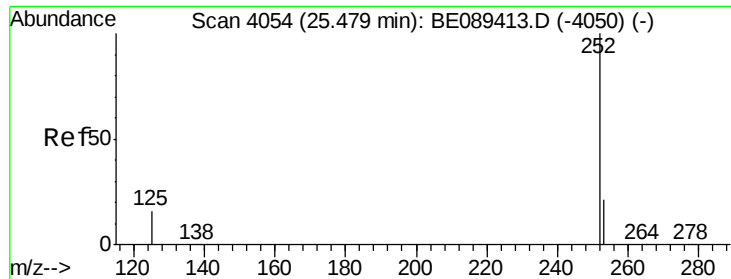
253 98.0 17.4 26.2#

125 150.0 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: 0.00 ng

RT: 25.48 min Scan# 4053

Delta R.T. -0.00 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

Instrument :

BNA_E

ClientSampleId :

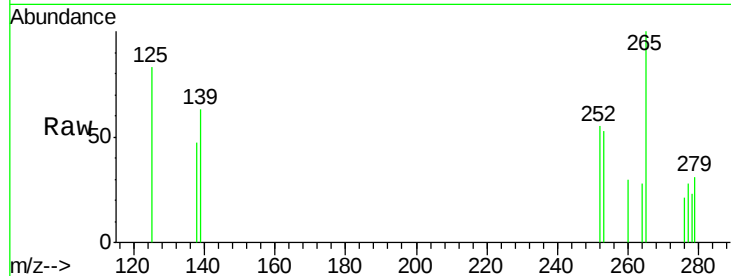
Tgt Ion:252 Resp: 325

Ion Ratio Lower Upper

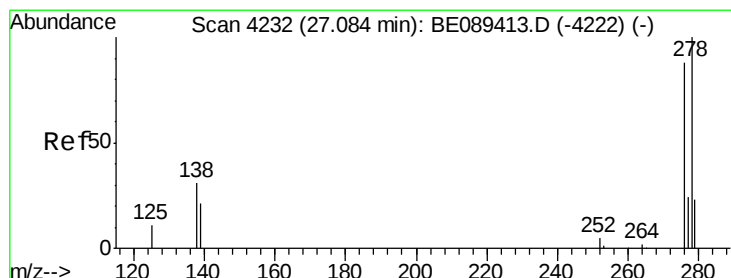
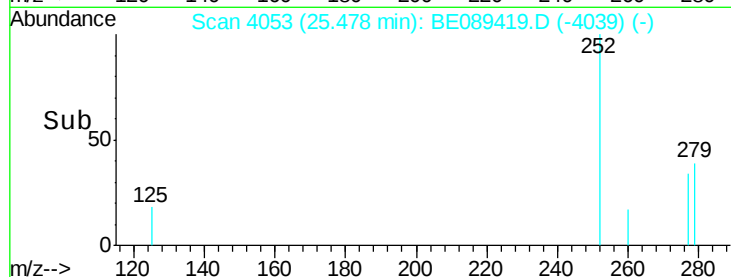
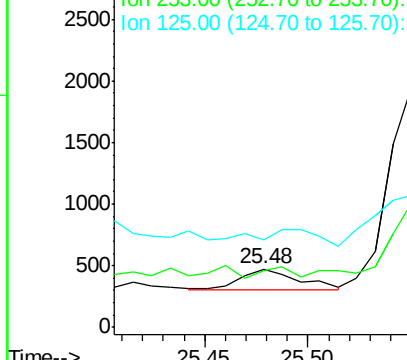
252 100

253 96.6 17.3 25.9#

125 150.3 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: 0.00 ng

RT: 27.07 min Scan# 4230

Delta R.T. -0.01 min

Lab File: BE089419.D

Acq: 29 Jan 2015 18:24

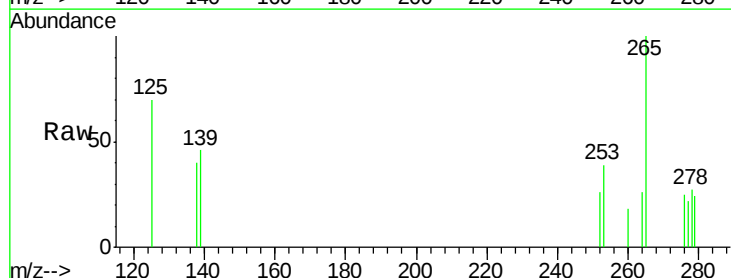
Tgt Ion:278 Resp: 387

Ion Ratio Lower Upper

278 100

139 170.3 17.2 25.8#

279 91.0 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

