

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089465.D
 Acq On : 2 Feb 2015 21:06
 Operator : TP/IZ
 Sample : G1110-06
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 04:24:48 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 03 04:09:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	76546	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	236189	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	85704	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	163887	5.00	ng	0.00
20) Chrysene-d12	23.84	240	336757	5.00	ng	0.00
27) Perylene-d12	25.56	264	436212	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.75	112	104716	4.09	ng	0.00
4) Phenol-d6	8.86	99	67565	2.26	ng	0.00
8) Nitrobenzene-d5	10.84	82	152398	8.88	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	34466	15.95	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	187094	7.81	ng	0.00
22) Terphenyl-d14	22.48	244	337870	8.87	ng	0.00

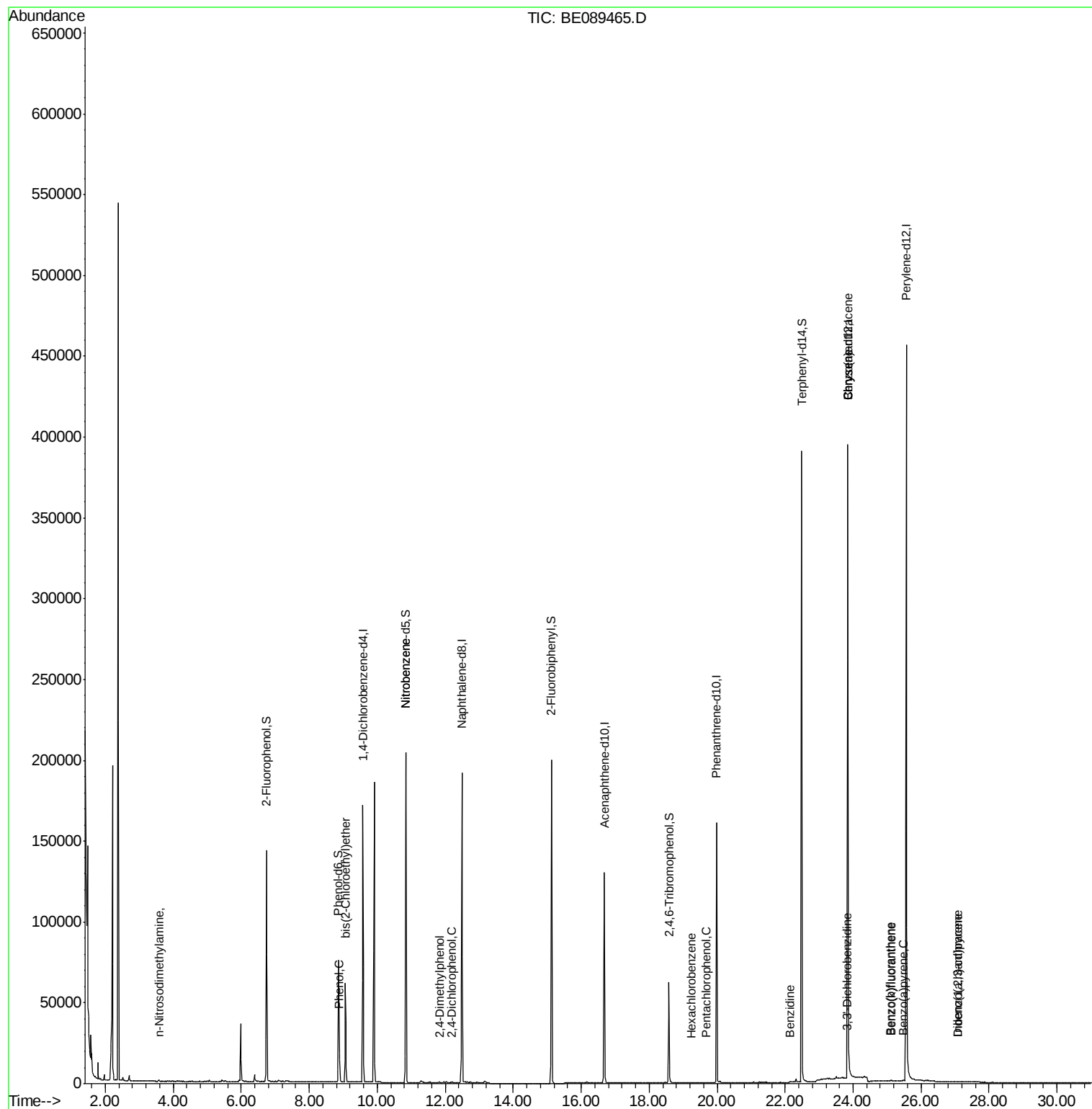
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.58	42	181	0.12	ng	# 1
5) Phenol	8.90	94	8209	0.26	ng	# 86
6) bis(2-Chloroethyl)ether	9.07	93	362	0.02	ng	# 1
9) Nitrobenzene	10.85	77	557	0.03	ng	# 42
10) 2,4-Dimethylphenol	11.83	122	111	0.01	ng	# 82
11) 2,4-Dichlorophenol	12.21	162	61	0.01	ng	# 14
16) 2,4-Dinitrophenol	16.92	184	9	Below Cal		# 39
18) Hexachlorobenzene	19.23	284	26	0.00	ng	# 1
19) Pentachlorophenol	19.67	266	124	0.22	ng	# 64
21) Benzidine	22.14	184	467	0.33	ng	# 1
23) Benzo(a)anthracene	23.83	228	6159	0.02	ng	# 79
24) 3,3'-Dichlorobenzidine	23.81	252	279	0.20	ng	# 43
25) Chrysene	23.83	228	6159	0.02	ng	# 80
26) Indeno(1,2,3-cd)pyrene	27.08	276	626	0.22	ng	# 73
28) Benzo(b)fluoranthene	25.10	252	347	0.26	ng	# 1
29) Benzo(k)fluoranthene	25.13	252	489	0.00	ng	# 1
30) Benzo(a)pyrene	25.48	252	467	0.23	ng	# 1
31) Dibenzo(a,h)anthracene	27.09	278	547	0.22	ng	# 1

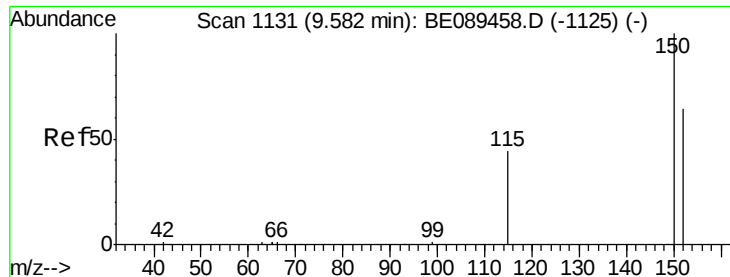
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

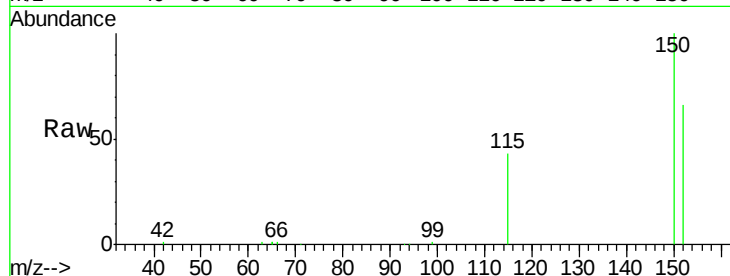
Lab File: BE089465.D

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Instrument :

BNA_E

ClientSampleId :



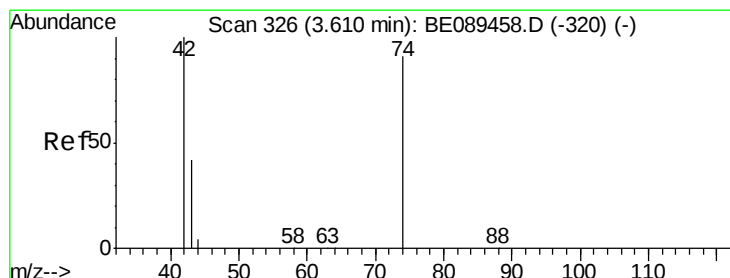
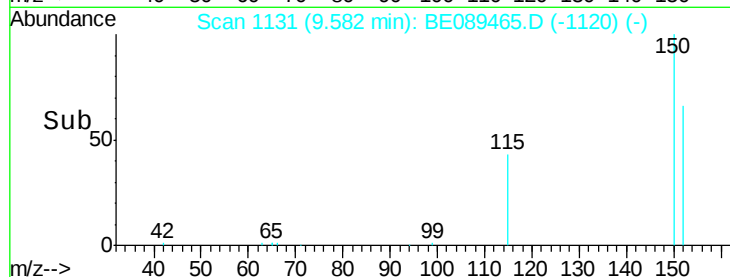
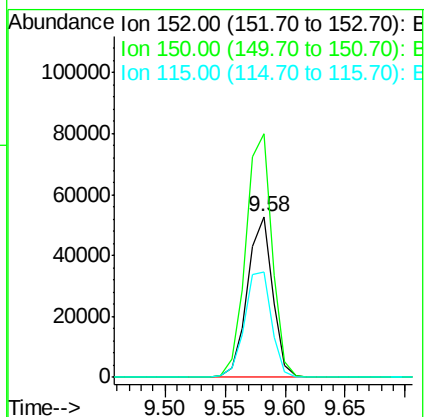
Tgt Ion:152 Resp: 76546

Ion Ratio Lower Upper

152 100

150 151.3 124.6 186.8

115 65.3 55.4 83.0



#2

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.58 min Scan# 322

Delta R.T. -0.03 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

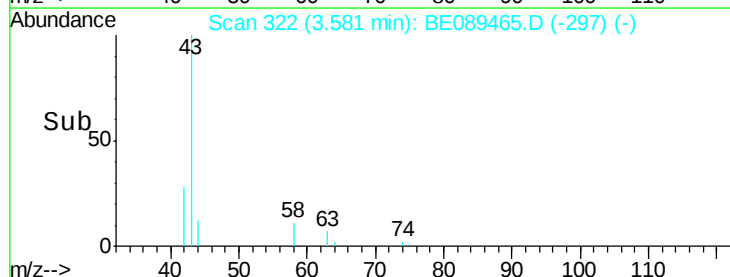
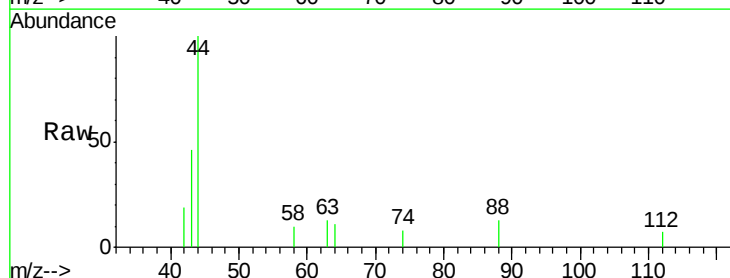
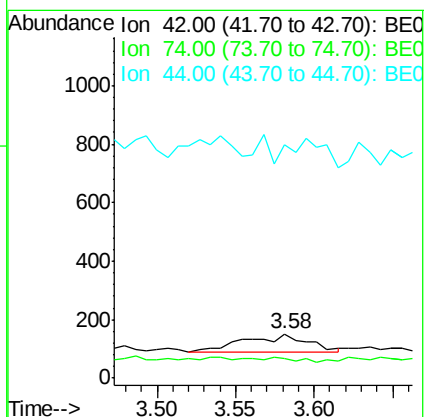
Tgt Ion: 42 Resp: 181

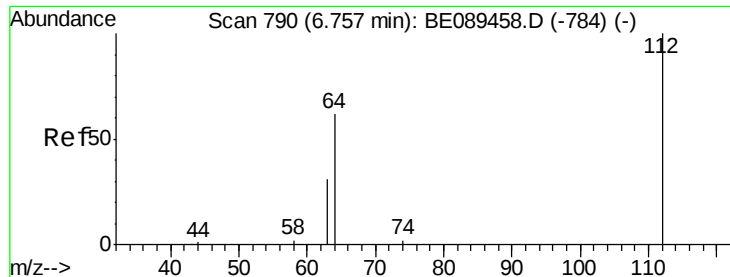
Ion Ratio Lower Upper

42 100

74 43.0 72.1 108.1#

44 528.5 28.0 42.0#

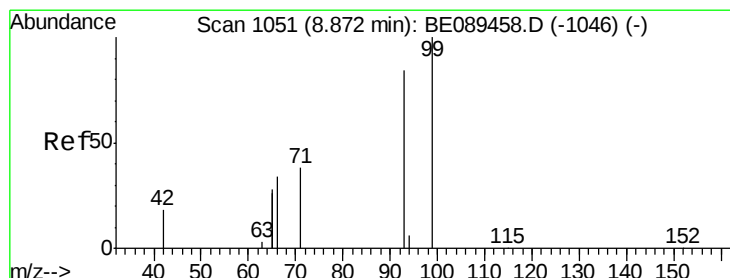
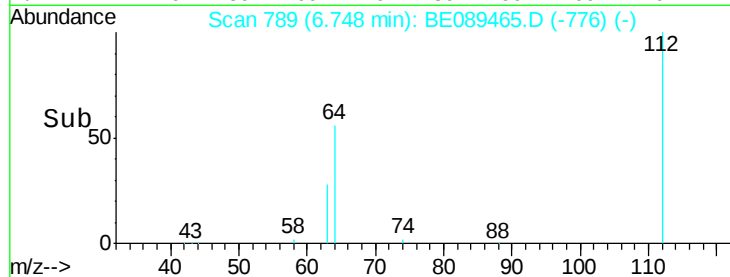
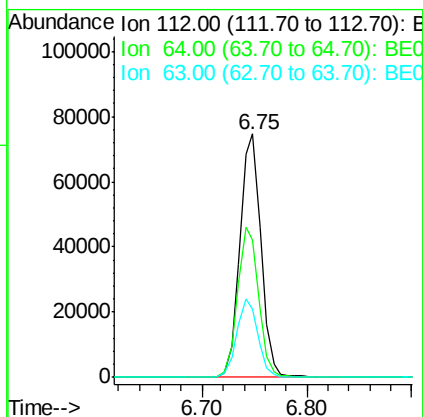
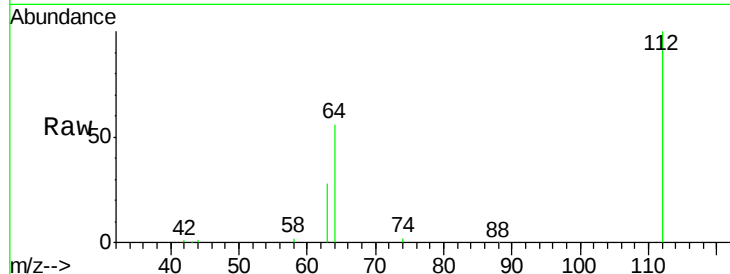




#3
 2-Fluorophenol
 Concen: 4.09 ng
 RT: 6.75 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

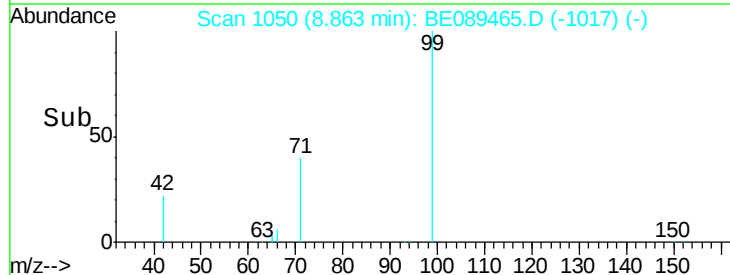
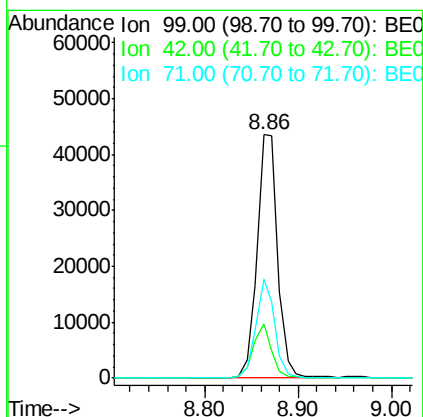
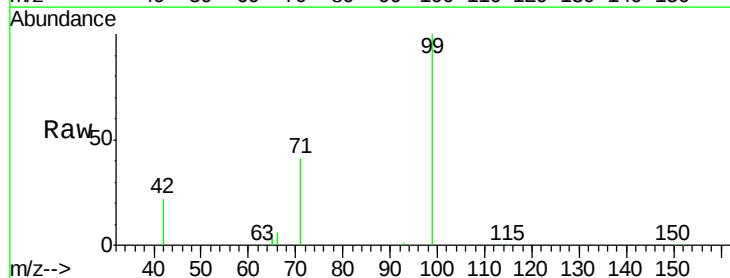
Instrument :
 BNA_E
 ClientSampleId :

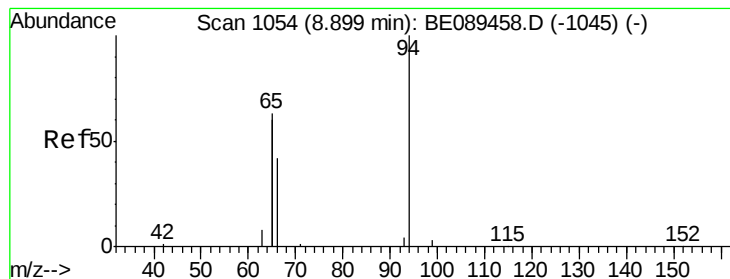
Tgt Ion: 112 Resp: 104716
 Ion Ratio Lower Upper
 112 100
 64 56.4 49.8 74.8
 63 28.1 24.9 37.3



#4
 Phenol-d6
 Concen: 2.26 ng
 RT: 8.86 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

Tgt Ion: 99 Resp: 67565
 Ion Ratio Lower Upper
 99 100
 42 22.1 15.0 22.4
 71 40.5 30.6 46.0





#5

Phenol

Concen: 0.26 ng

RT: 8.90 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

Instrument :

BNA_E

ClientSampleId :

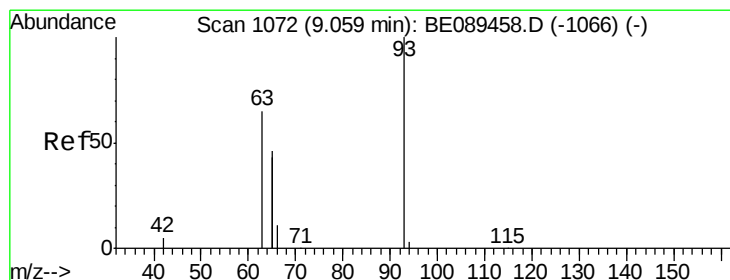
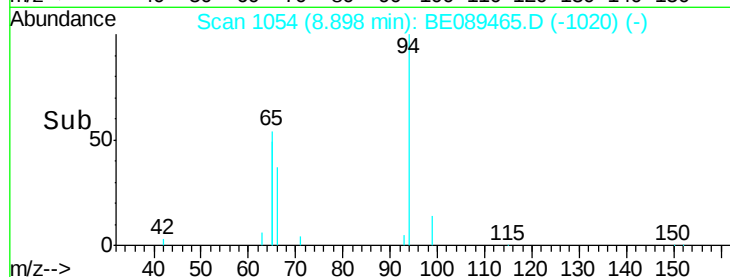
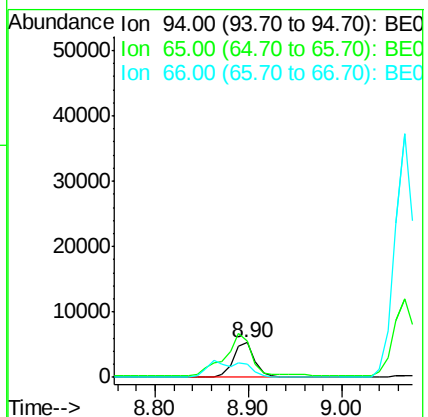
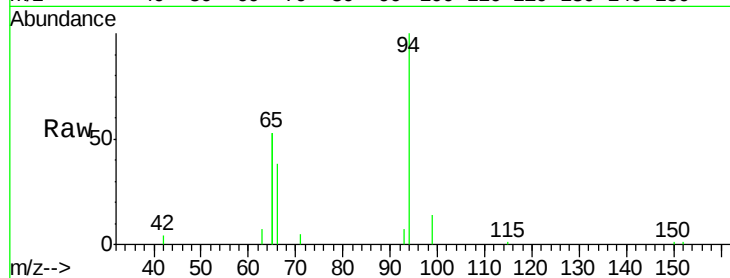
Tgt Ion: 94 Resp: 8209

Ion Ratio Lower Upper

94 100

65 106.4 105.0 145.0

66 37.7 22.4 62.4



#6

bis(2-Chloroethyl)ether

Concen: 0.02 ng

RT: 9.07 min Scan# 1073

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

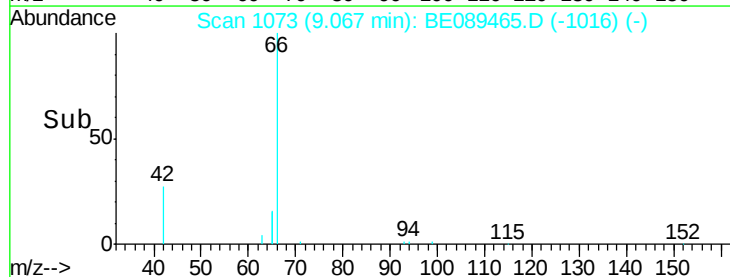
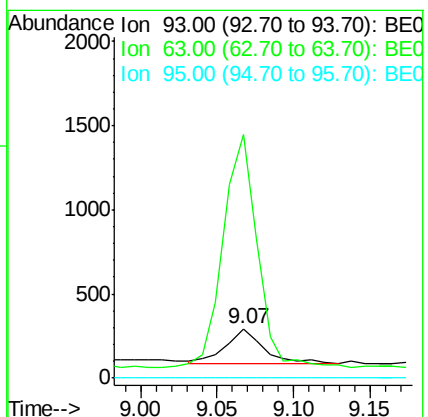
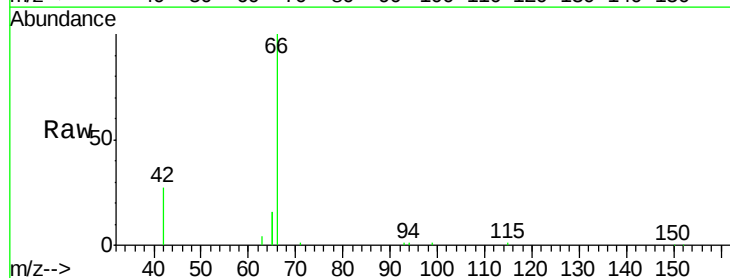
Tgt Ion: 93 Resp: 362

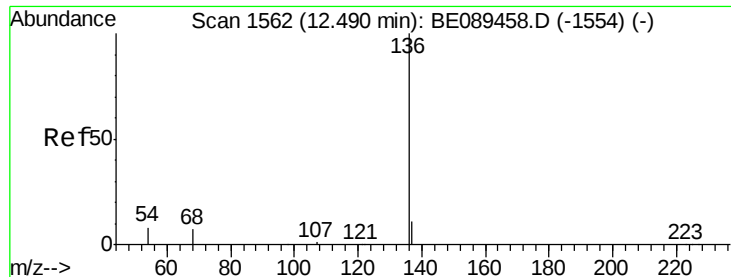
Ion Ratio Lower Upper

93 100

63 600.6 59.2 88.8#

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.49 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

Instrument :

BNA_E

ClientSampled :

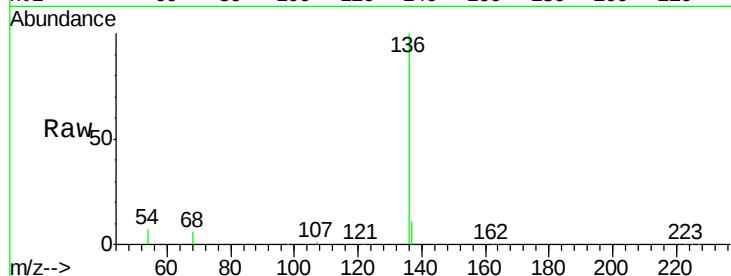
Tgt Ion: 136 Resp: 236189

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

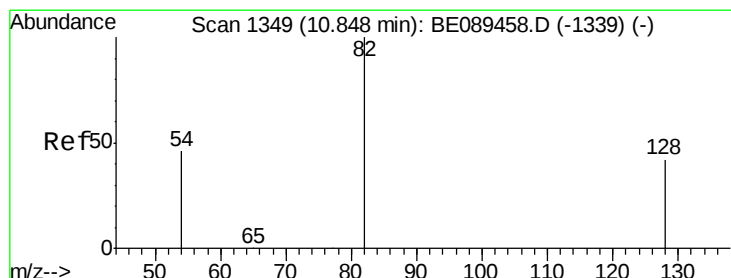
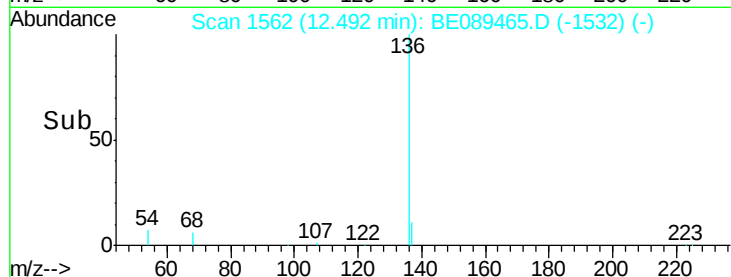
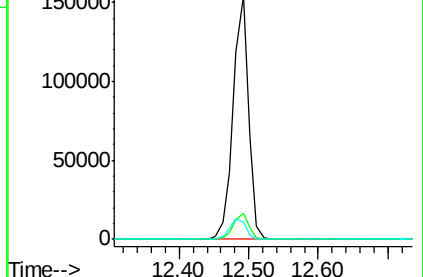
54 7.1 6.5 9.7



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: 8.88 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

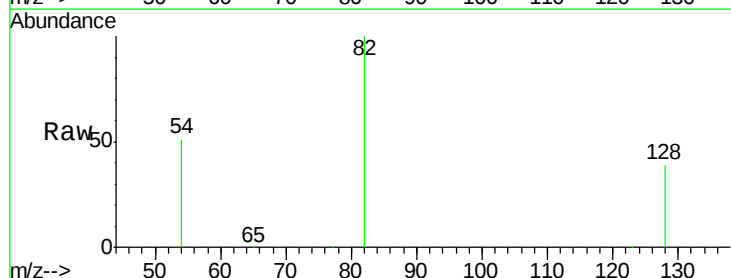
Tgt Ion: 82 Resp: 152398

Ion Ratio Lower Upper

82 100

128 39.0 34.2 51.2

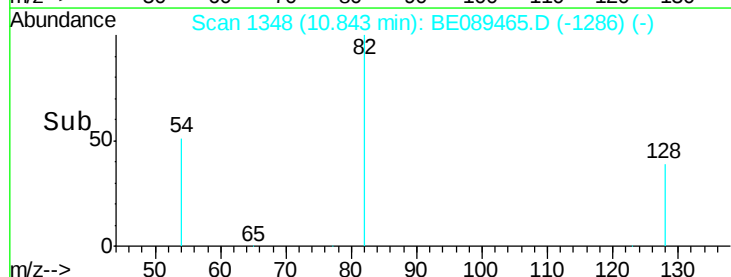
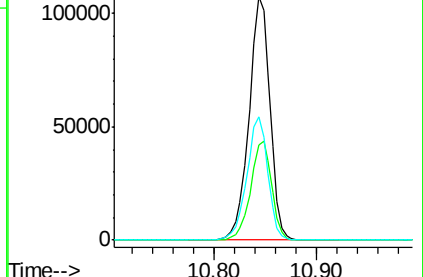
54 50.7 37.3 55.9

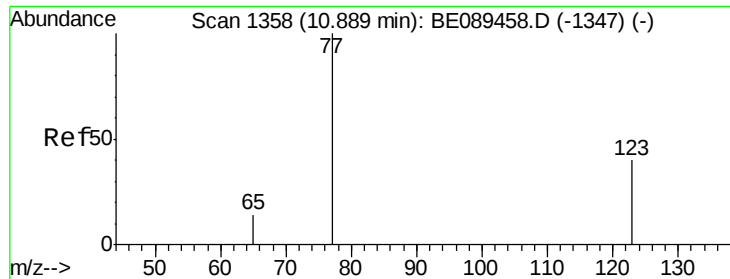


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 10.85 min Scan# 1349

Delta R.T. -0.04 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

Instrument :

BNA_E

ClientSampleId :

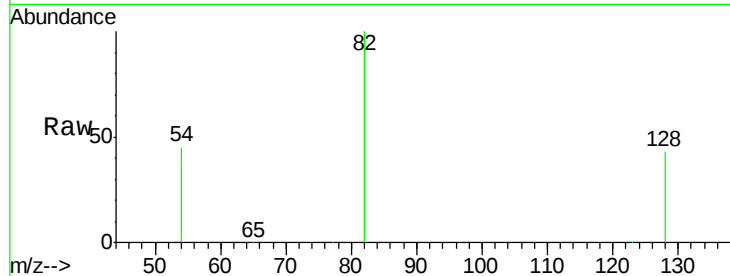
Tgt Ion: 77 Resp: 557

Ion Ratio Lower Upper

77 100

123 0.0 33.6 50.4#

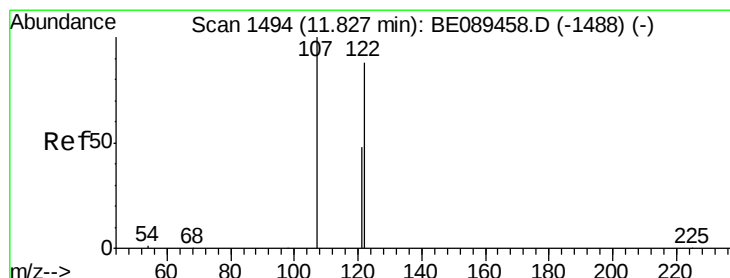
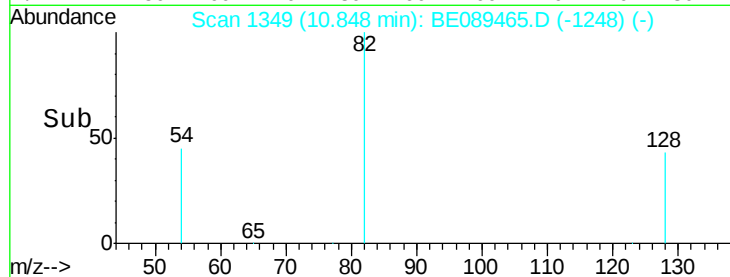
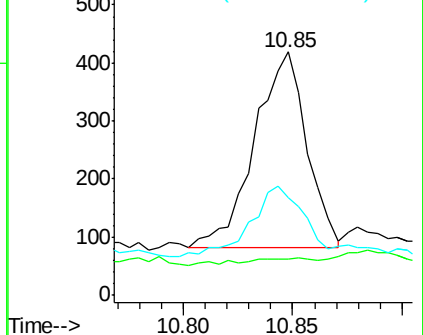
65 26.8 11.0 16.6#



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# 1494

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

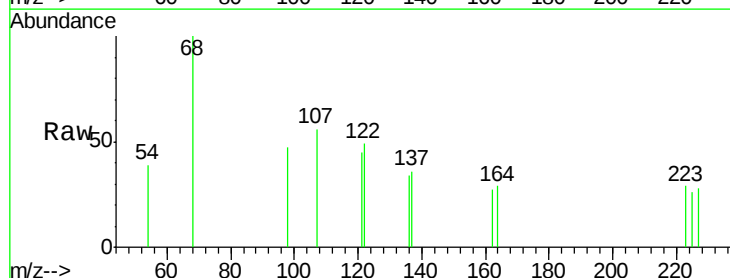
Tgt Ion: 122 Resp: 111

Ion Ratio Lower Upper

122 100

107 115.6 90.6 136.0

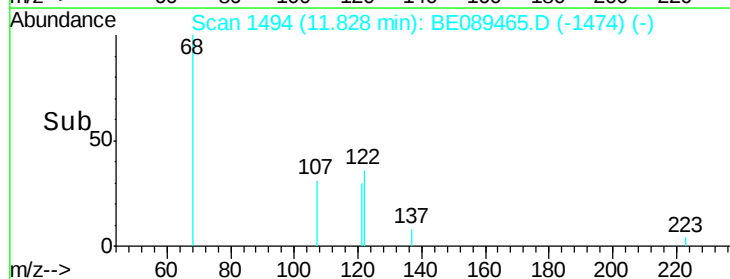
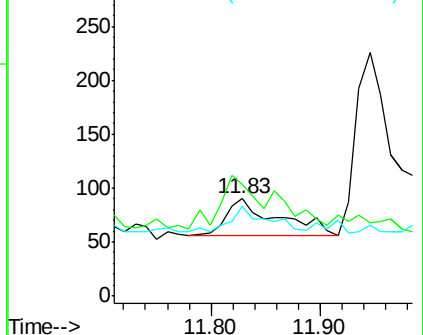
121 92.2 43.7 65.5#

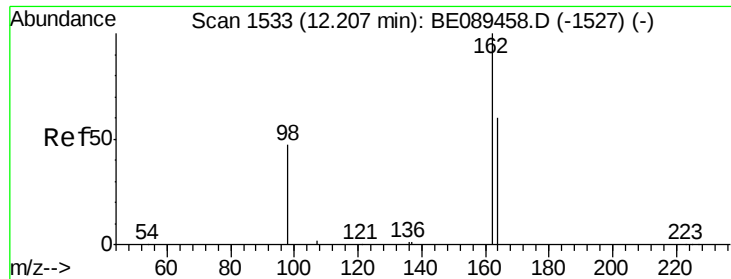


Abundance Ion 122.00 (121.70 to 122.70): BE0

Ion 107.00 (106.70 to 107.70): BE0

Ion 121.00 (120.70 to 121.70): BE0

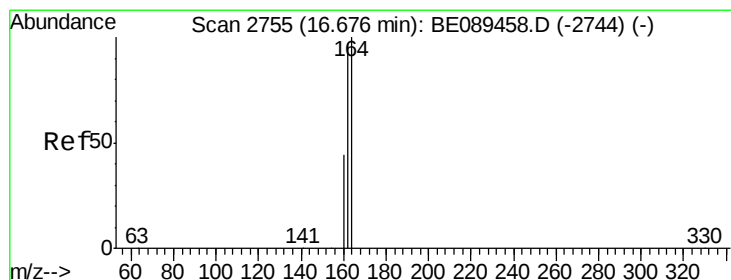
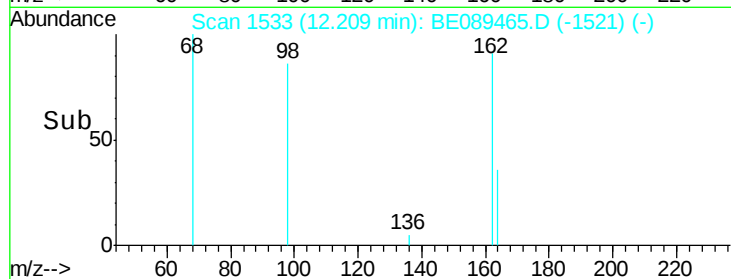
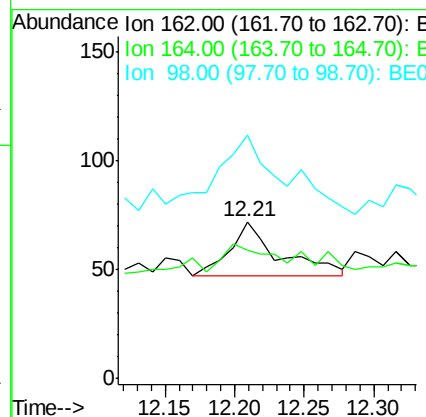
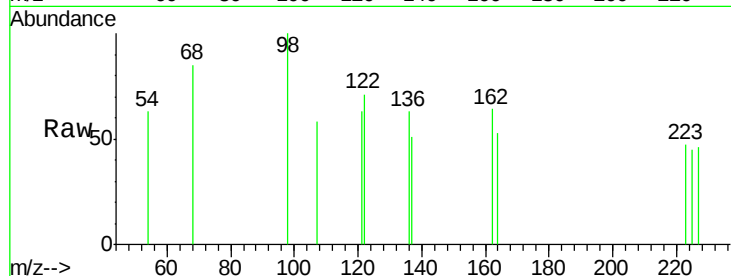




#11
 2,4-Dichlorophenol
 Concen: 0.01 ng
 RT: 12.21 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

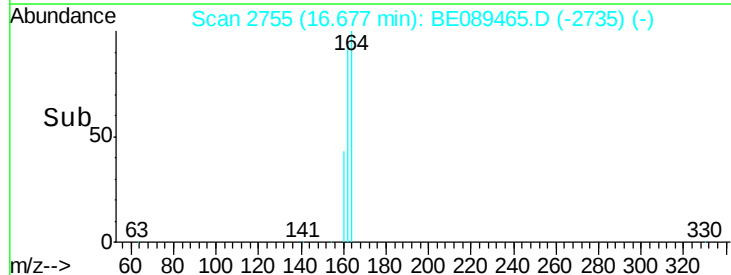
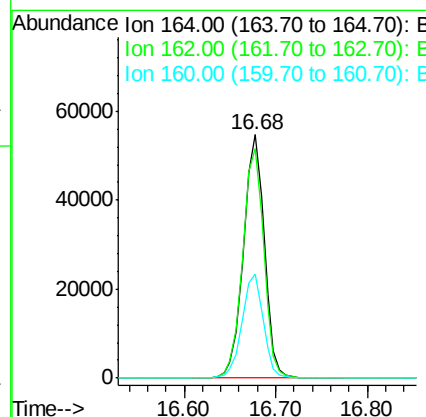
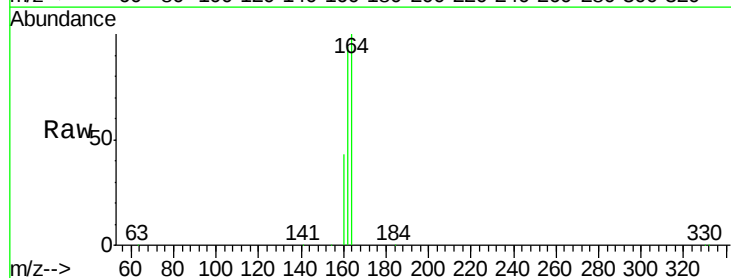
Instrument :
 BNA_E
 ClientSampled :

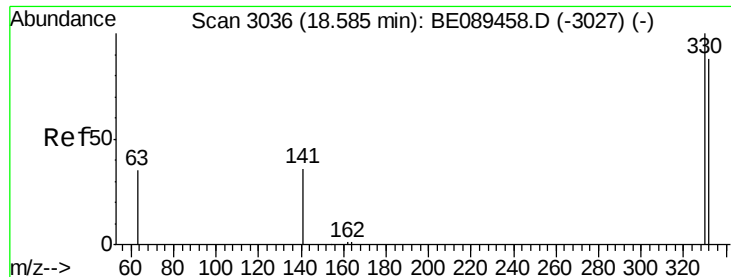
Tgt Ion:162 Resp: 61
 Ion Ratio Lower Upper
 162 100
 164 81.9 40.5 80.5#
 98 155.6 28.1 68.1#



#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.68 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

Tgt Ion:164 Resp: 85704
 Ion Ratio Lower Upper
 164 100
 162 94.3 77.4 116.2
 160 42.7 35.5 53.3

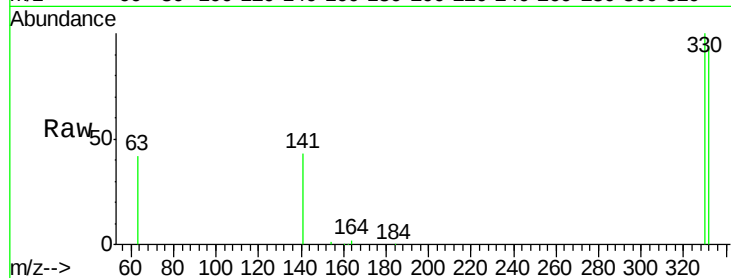




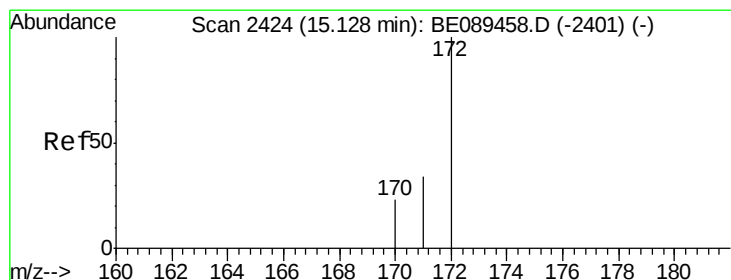
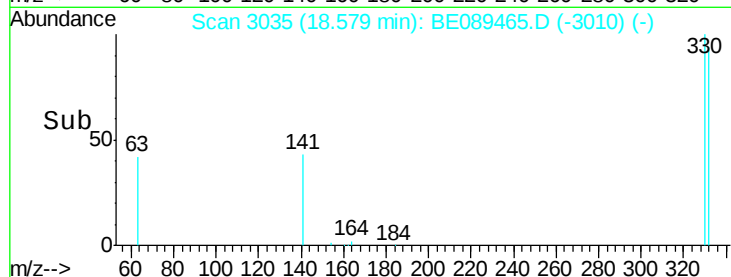
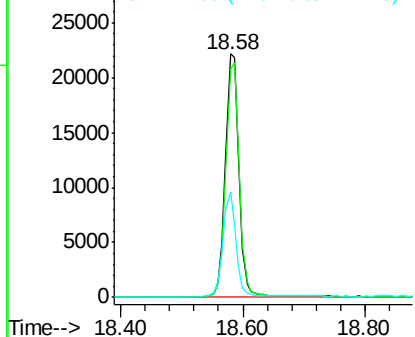
#14
 2,4,6-Tribromophenol
 Concen: 15.95 ng
 RT: 18.58 min Scan# 3035
 Delta R.T. -0.01 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:330 Resp: 34466
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.4 113.2
 141 40.7 35.7 53.5

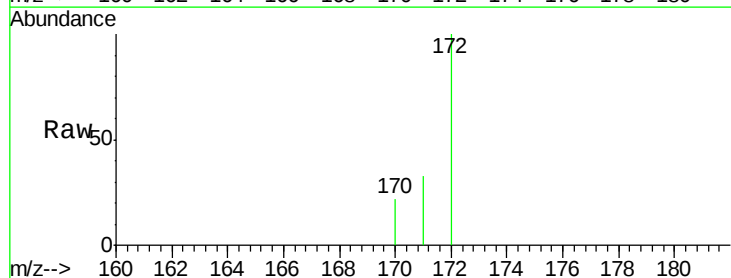


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

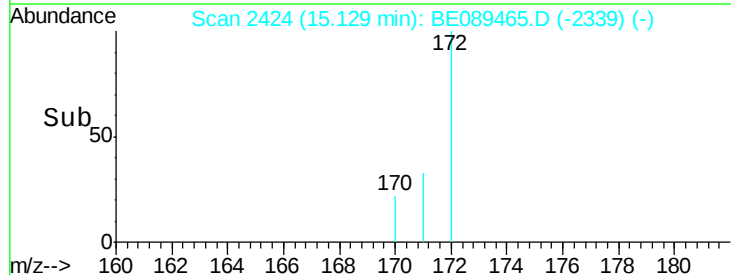
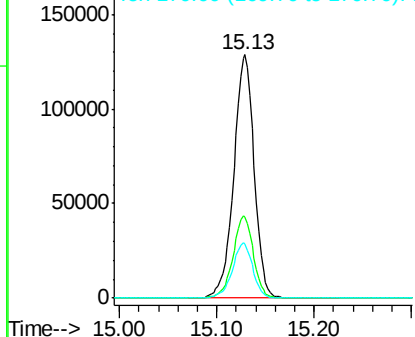


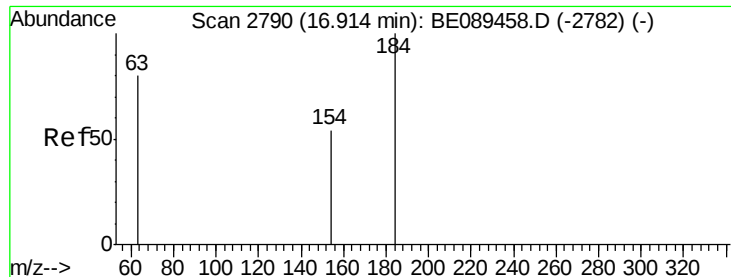
#15
 2-Fluorobiphenyl
 Concen: 7.81 ng
 RT: 15.13 min Scan# 2424
 Delta R.T. 0.00 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

Tgt Ion:172 Resp: 187094
 Ion Ratio Lower Upper
 172 100
 171 33.4 27.7 41.5
 170 22.0 18.3 27.5



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

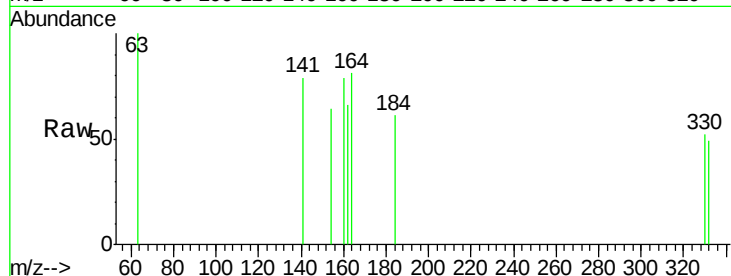




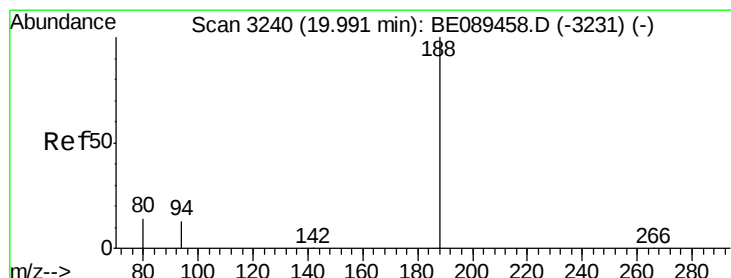
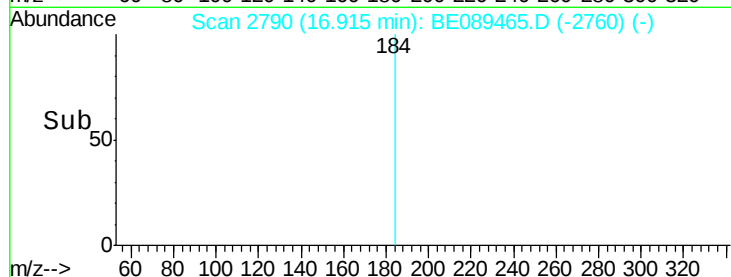
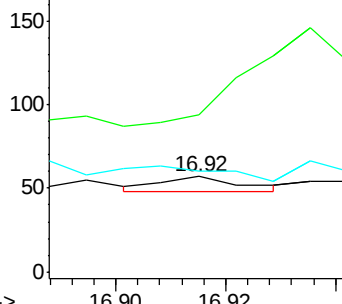
#16
2,4-Dinitrophenol
Concen: Below Cal
RT: 16.92 min Scan# 2790
Delta R.T. 0.00 min
Lab File: BE089465.D
Acq: 2 Feb 2015 21:06

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:184 Resp: 9
Ion Ratio Lower Upper
184 100
63 164.9 77.0 115.6#
154 105.3 54.0 81.0#

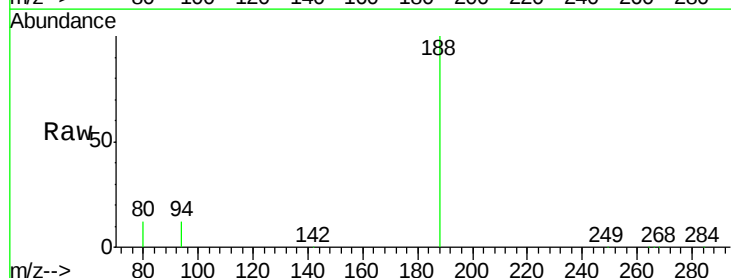


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 154.00 (153.70 to 154.70): E

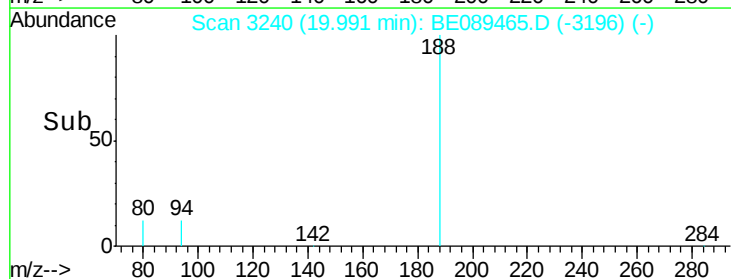
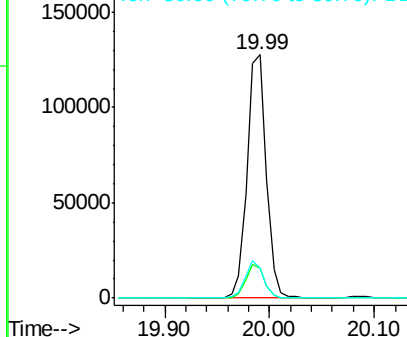


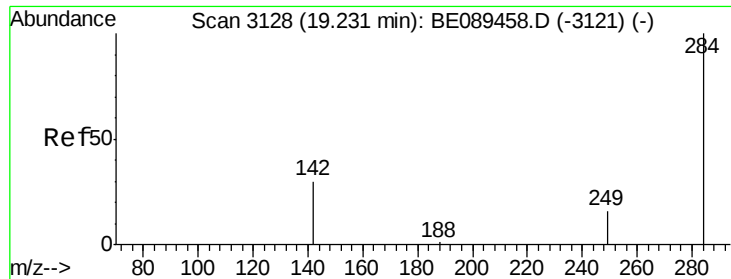
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. -0.00 min
Lab File: BE089465.D
Acq: 2 Feb 2015 21:06

Tgt Ion:188 Resp: 163887
Ion Ratio Lower Upper
188 100
94 12.2 10.2 15.4
80 12.4 10.9 16.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

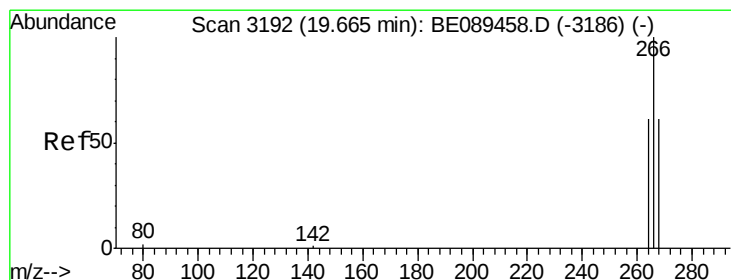
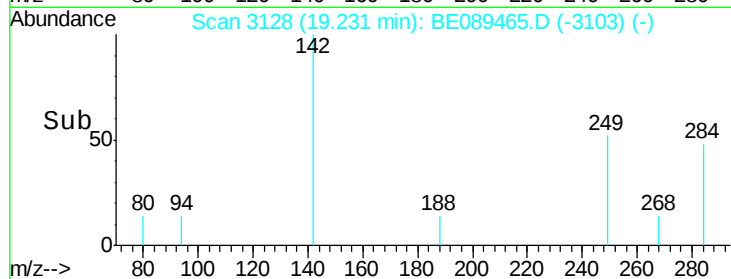
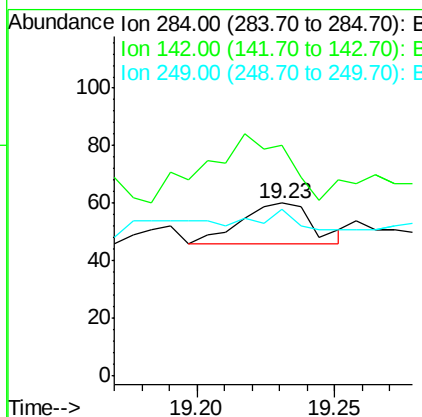
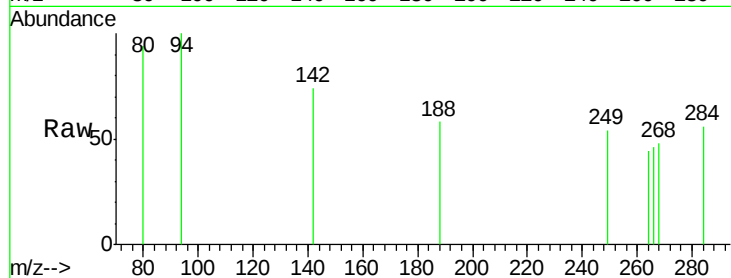




#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089465.D
Acq: 2 Feb 2015 21:06

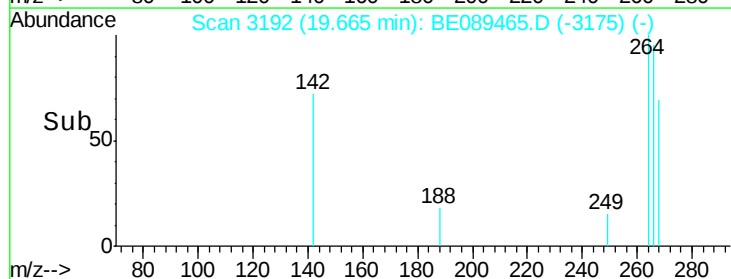
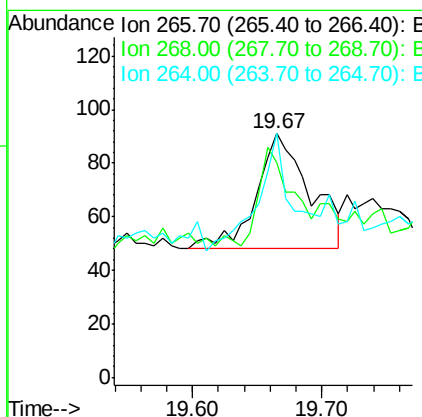
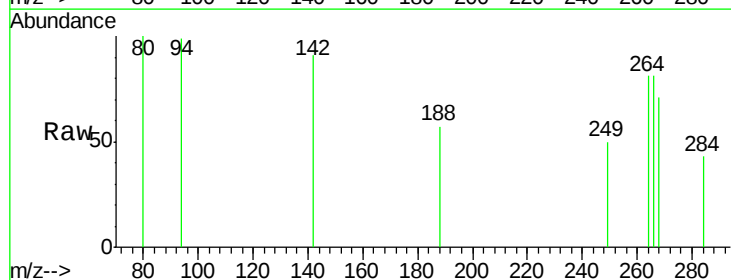
Instrument :
BNA_E
ClientSampled :

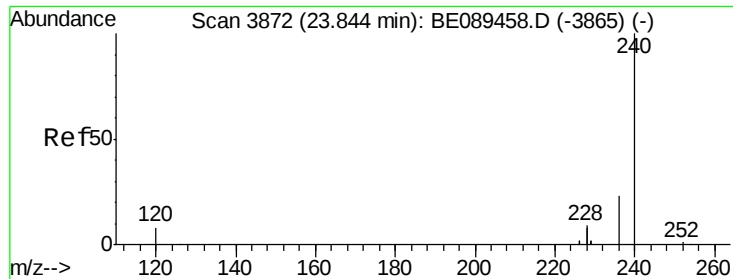
Tgt Ion: 284 Resp: 26
Ion Ratio Lower Upper
284 100
142 133.3 31.8 47.8#
249 96.7 23.5 35.3#



#19
Pentachlorophenol
Concen: 0.22 ng
RT: 19.67 min Scan# 3192
Delta R.T. 0.00 min
Lab File: BE089465.D
Acq: 2 Feb 2015 21:06

Tgt Ion: 266 Resp: 124
Ion Ratio Lower Upper
266 100
268 87.9 52.6 78.8#
264 100.0 52.2 78.2#

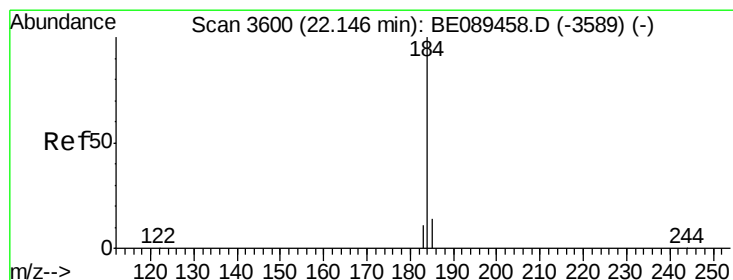
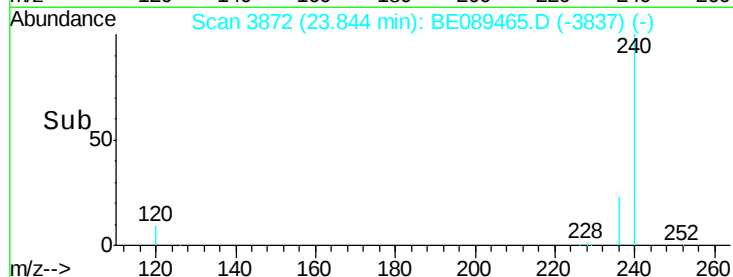
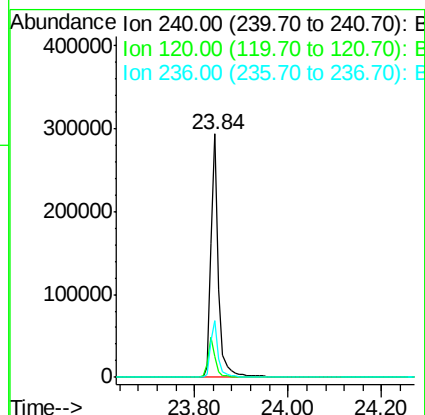
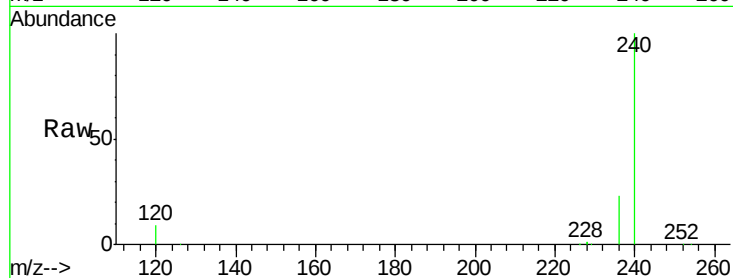




#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. -0.00 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

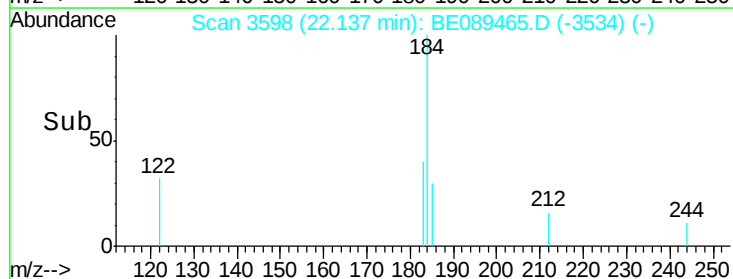
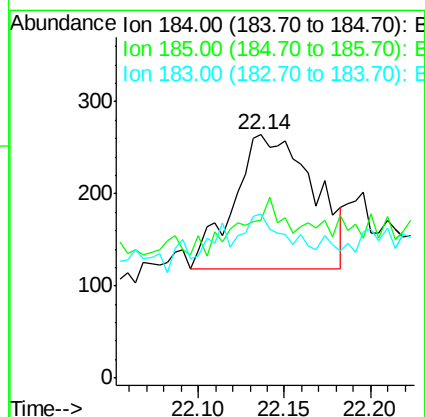
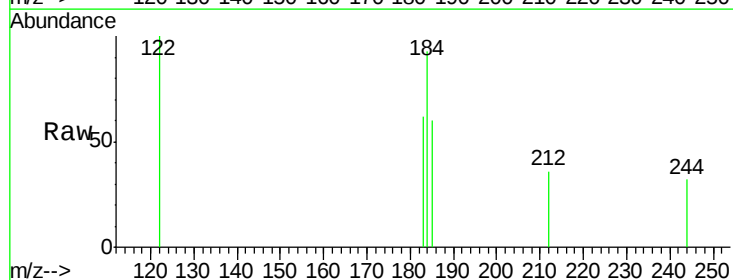
Instrument :
 BNA_E
 ClientSampleId :

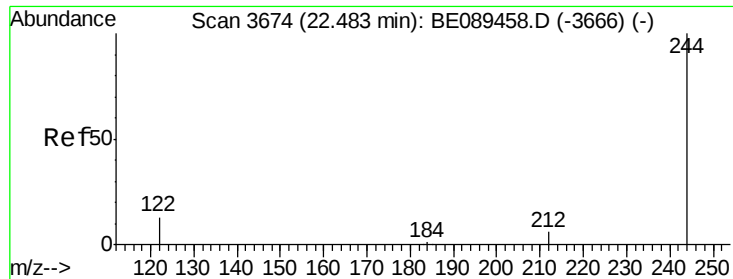
Tgt Ion:240 Resp: 336757
 Ion Ratio Lower Upper
 240 100
 120 8.6 6.2 9.4
 236 23.4 18.2 27.4



#21
 Benzidine
 Concen: 0.33 ng
 RT: 22.14 min Scan# 3598
 Delta R.T. -0.01 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

Tgt Ion:184 Resp: 467
 Ion Ratio Lower Upper
 184 100
 185 64.8 11.7 17.5#
 183 67.4 9.4 14.0#

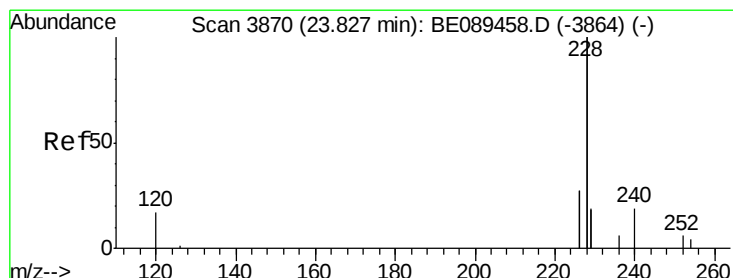
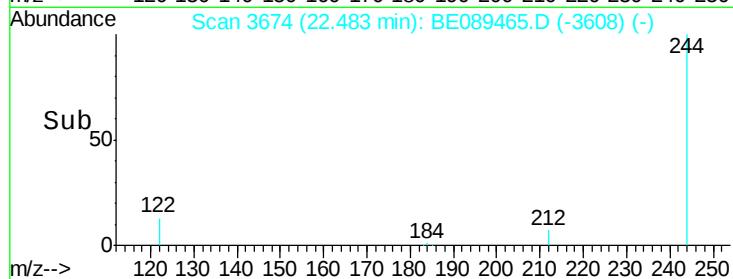
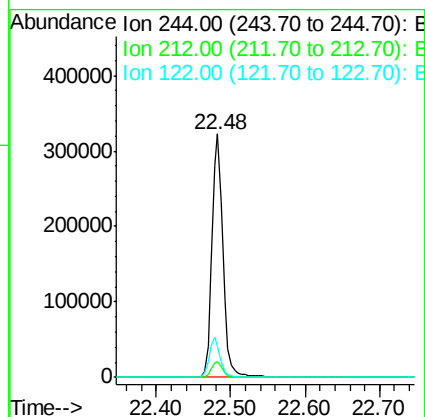
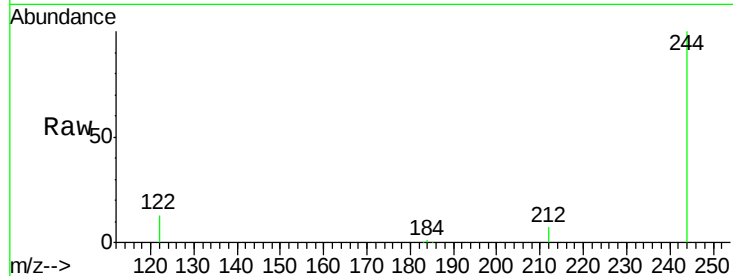




#22
 Terphenyl-d14
 Concen: 8.87 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. -0.00 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

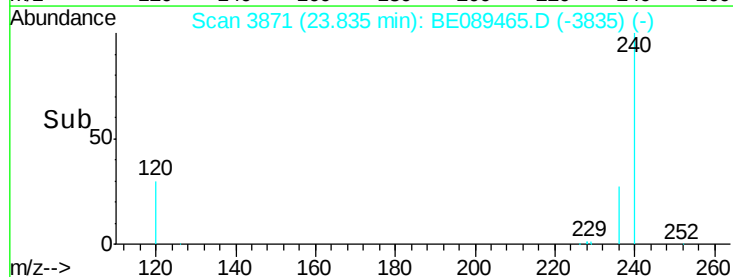
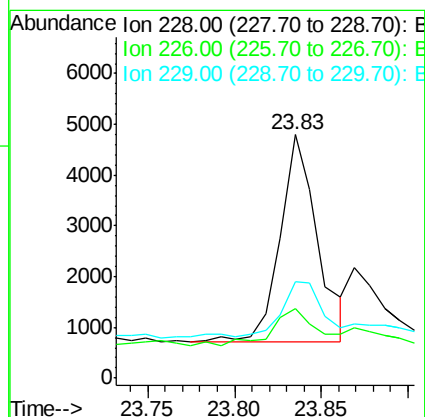
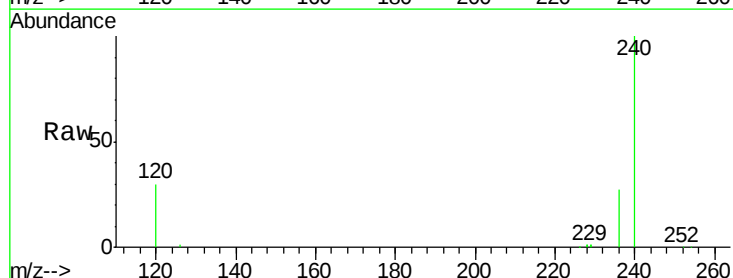
Instrument :
 BNA_E
 ClientSampleId :

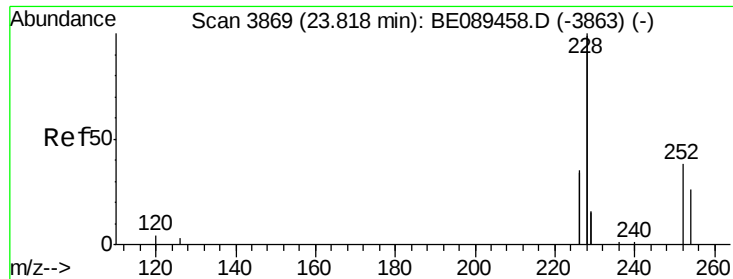
Tgt Ion:244 Resp: 337870
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 12.9 10.5 15.7



#23
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 23.83 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

Tgt Ion:228 Resp: 6159
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.7 32.5
 229 39.7 14.8 22.2#

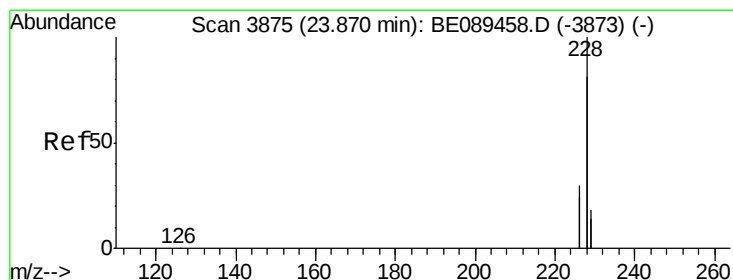
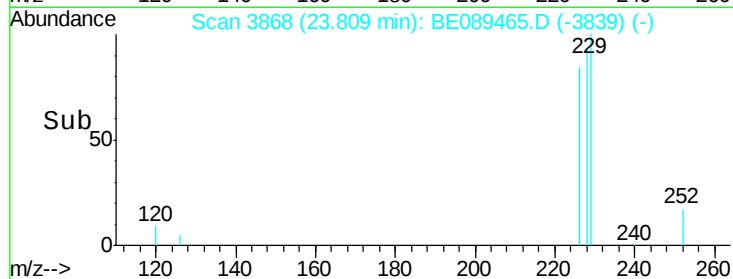
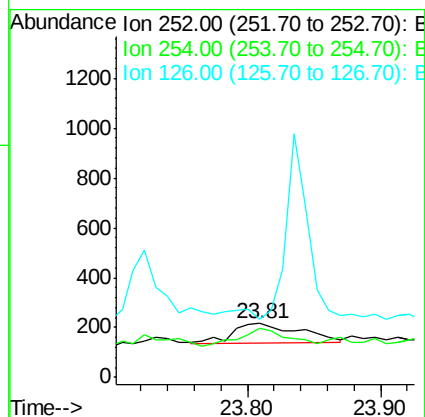
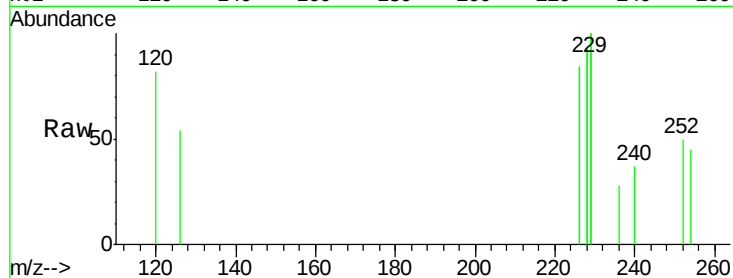




#24
 3,3'-Dichlorobenzidine
 Concen: 0.20 ng
 RT: 23.81 min Scan# 3868
 Delta R.T. -0.01 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

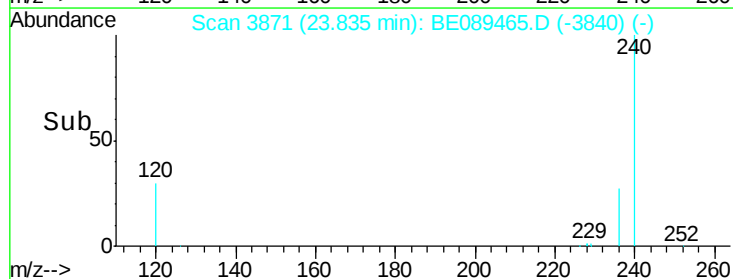
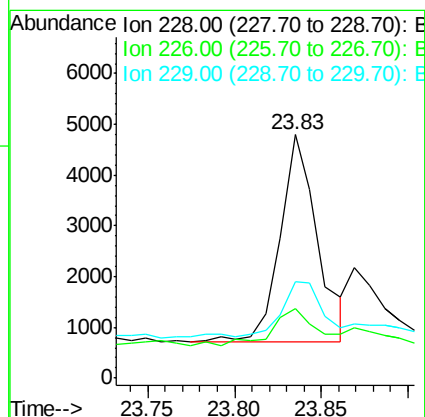
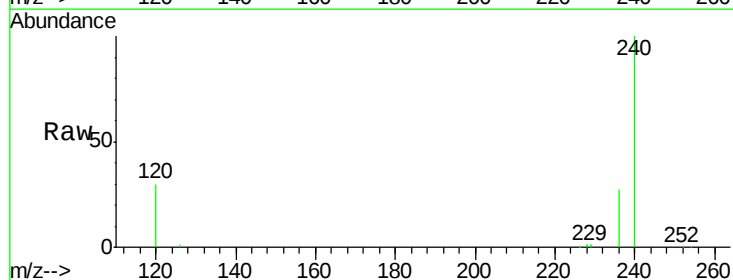
Instrument :
 BNA_E
 ClientSampleId :

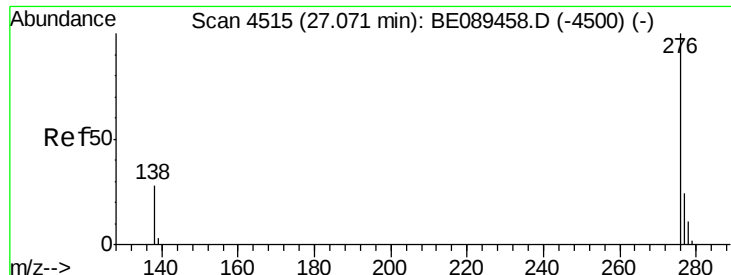
Tgt Ion: 252 Resp: 279
 Ion Ratio Lower Upper
 252 100
 254 89.9 54.6 82.0#
 126 107.8 8.0 12.0#



#25
 Chrysene
 Concen: 0.02 ng
 RT: 23.83 min Scan# 3871
 Delta R.T. -0.03 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

Tgt Ion: 228 Resp: 6159
 Ion Ratio Lower Upper
 228 100
 226 28.4 23.8 35.8
 229 39.7 14.3 21.5#

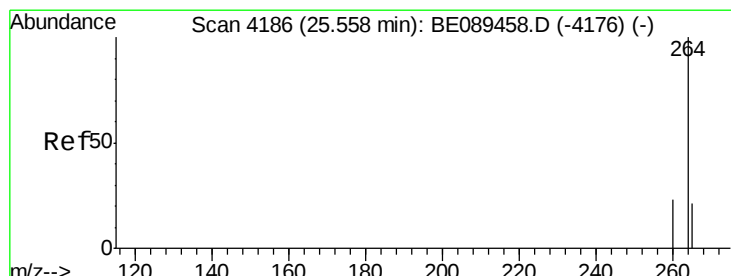
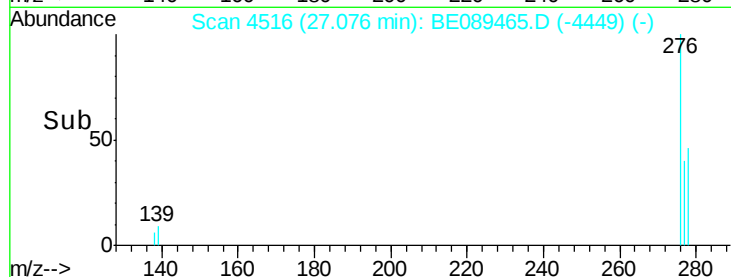
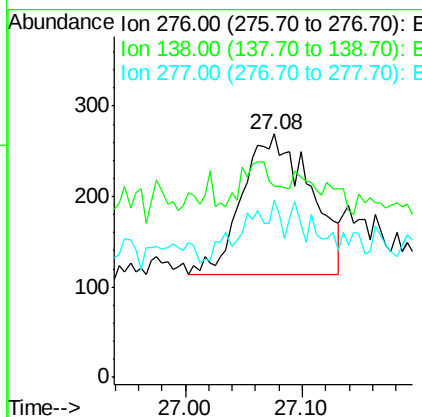
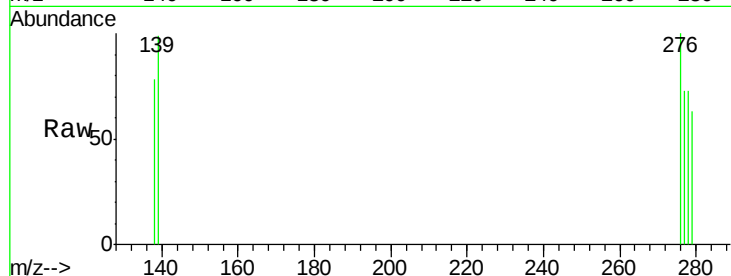




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.22 ng
 RT: 27.08 min Scan# 4516
 Delta R.T. 0.01 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

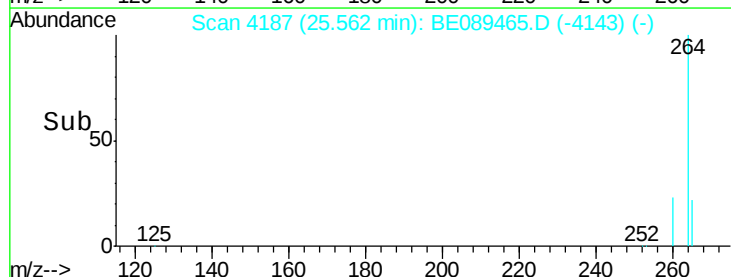
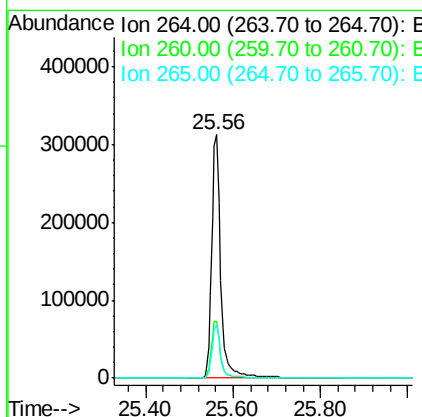
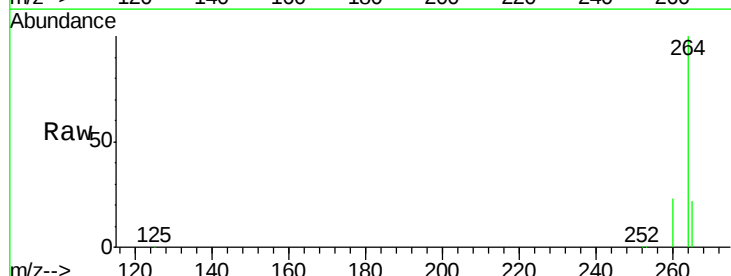
Instrument :
 BNA_E
 ClientSampleId :

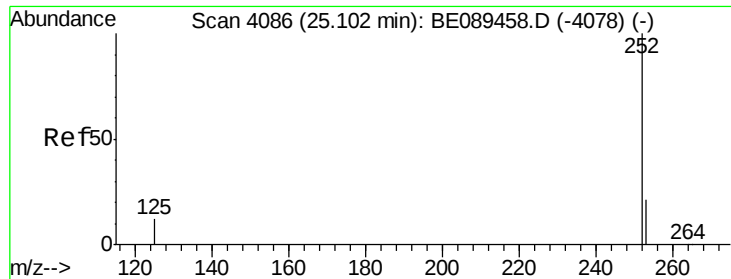
Tgt Ion: 276 Resp: 626
 Ion Ratio Lower Upper
 276 100
 138 14.9 23.3 34.9#
 277 9.9 19.0 28.4#



#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.56 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: BE089465.D
 Acq: 2 Feb 2015 21:06

Tgt Ion: 264 Resp: 436212
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.8 17.0 25.6





#28

Benzo(b)fluoranthene

Concen: 0.26 ng

RT: 25.10 min Scan# 4086

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

Instrument :

BNA_E

ClientSampleId :

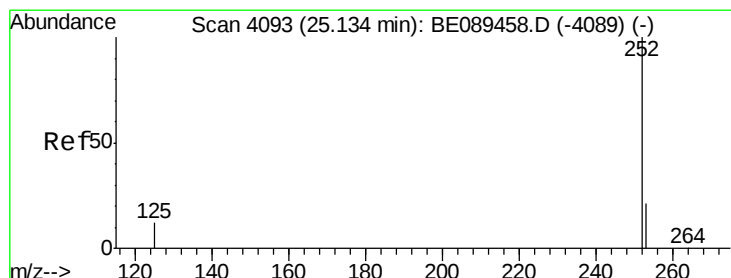
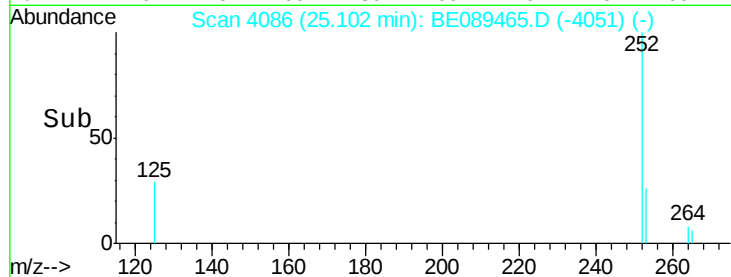
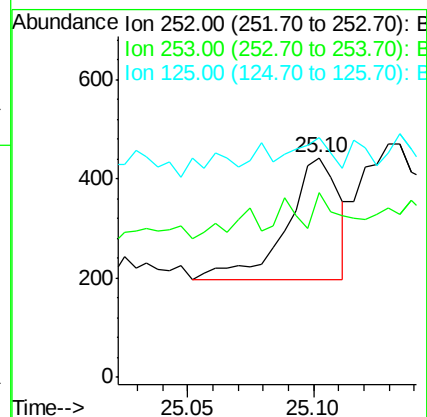
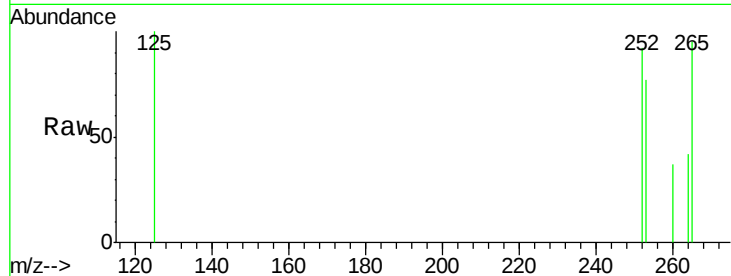
Tgt Ion:252 Resp: 347

Ion Ratio Lower Upper

252 100

253 84.0 17.4 26.0#

125 109.0 10.4 15.6#



#29

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 25.13 min Scan# 4092

Delta R.T. -0.00 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

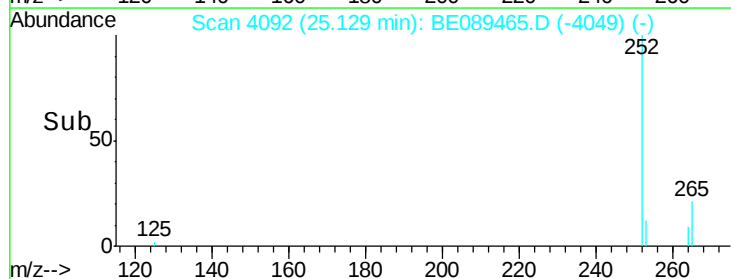
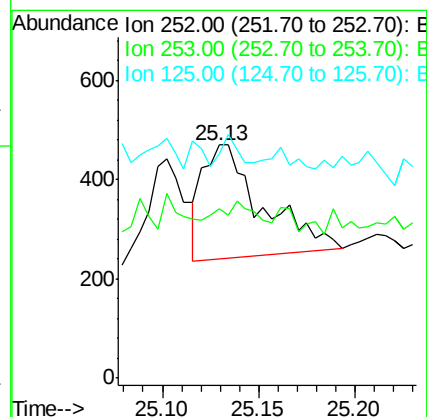
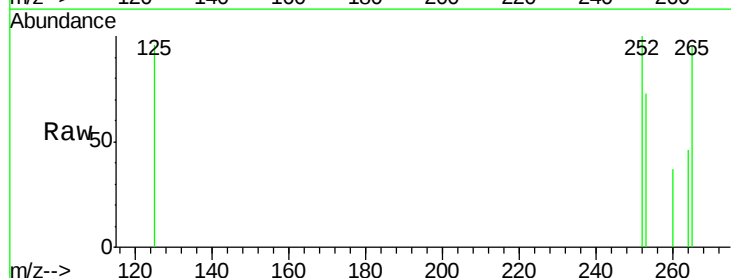
Tgt Ion:252 Resp: 489

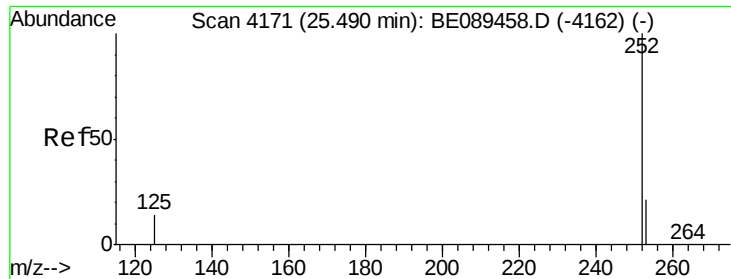
Ion Ratio Lower Upper

252 100

253 72.6 17.5 26.3#

125 96.2 10.3 15.5#





#30

Benzo(a)pyrene

Concen: 0.23 ng

RT: 25.48 min Scan# 4170

Delta R.T. -0.00 min

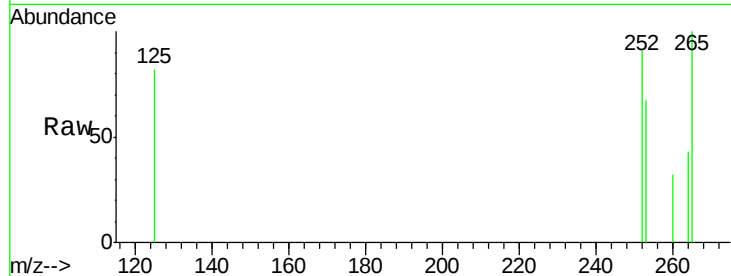
Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

Instrument :

BNA_E

ClientSampleId :



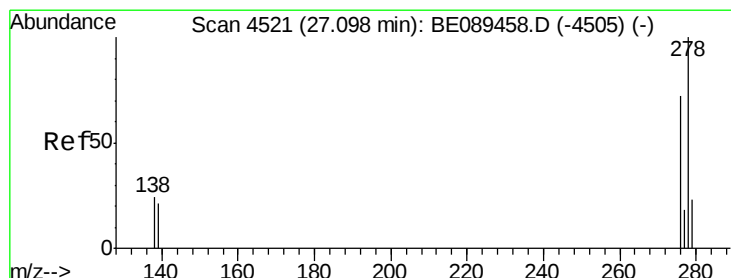
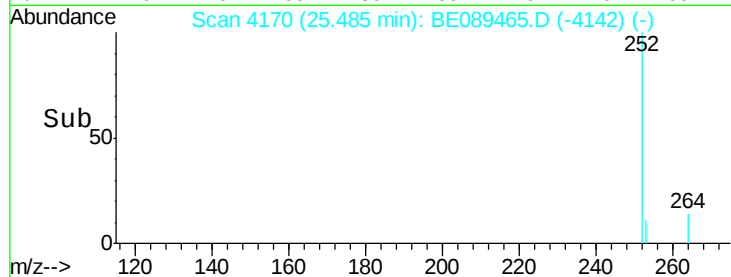
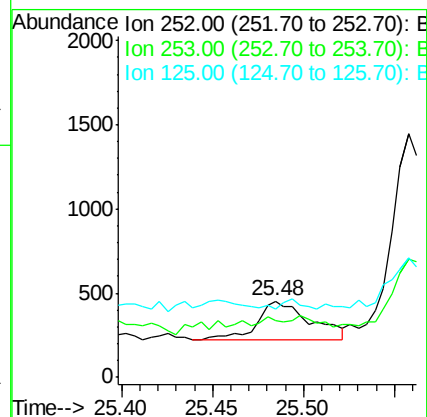
Tgt Ion: 252 Resp: 467

Ion Ratio Lower Upper

252 100

253 74.2 17.5 26.3#

125 90.1 11.8 17.8#



#31

Dibenzo(a,h)anthracene

Concen: 0.22 ng

RT: 27.09 min Scan# 4519

Delta R.T. -0.01 min

Lab File: BE089465.D

Acq: 2 Feb 2015 21:06

Tgt Ion: 278 Resp: 547

Ion Ratio Lower Upper

278 100

139 95.4 17.1 25.7#

279 67.0 18.8 28.2#

