

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089476.D
 Acq On : 3 Feb 2015 5:36
 Operator : TP/IZ
 Sample : G1110-13
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 06:34:12 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 06:25:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	91964	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	318373	5.00	ng	0.01
13) Acenaphthene-d10	16.69	164	154227	5.00	ng	0.01
17) Phenanthrene-d10	20.00	188	338141	5.00	ng	0.00
20) Chrysene-d12	23.85	240	487619	5.00	ng	0.00
27) Perylene-d12	25.57	264	543239	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.80	112	133813	4.35	ng	0.03
4) Phenol-d6	8.93	99	101715	2.83	ng	0.05
8) Nitrobenzene-d5	10.86	82	187991	8.13	ng	0.01
14) 2,4,6-Tribromophenol	18.61	330	75009	19.29	ng	0.01
15) 2-Fluorobiphenyl	15.14	172	279314	6.48	ng	0.00
22) Terphenyl-d14	22.49	244	587331	10.65	ng	0.00

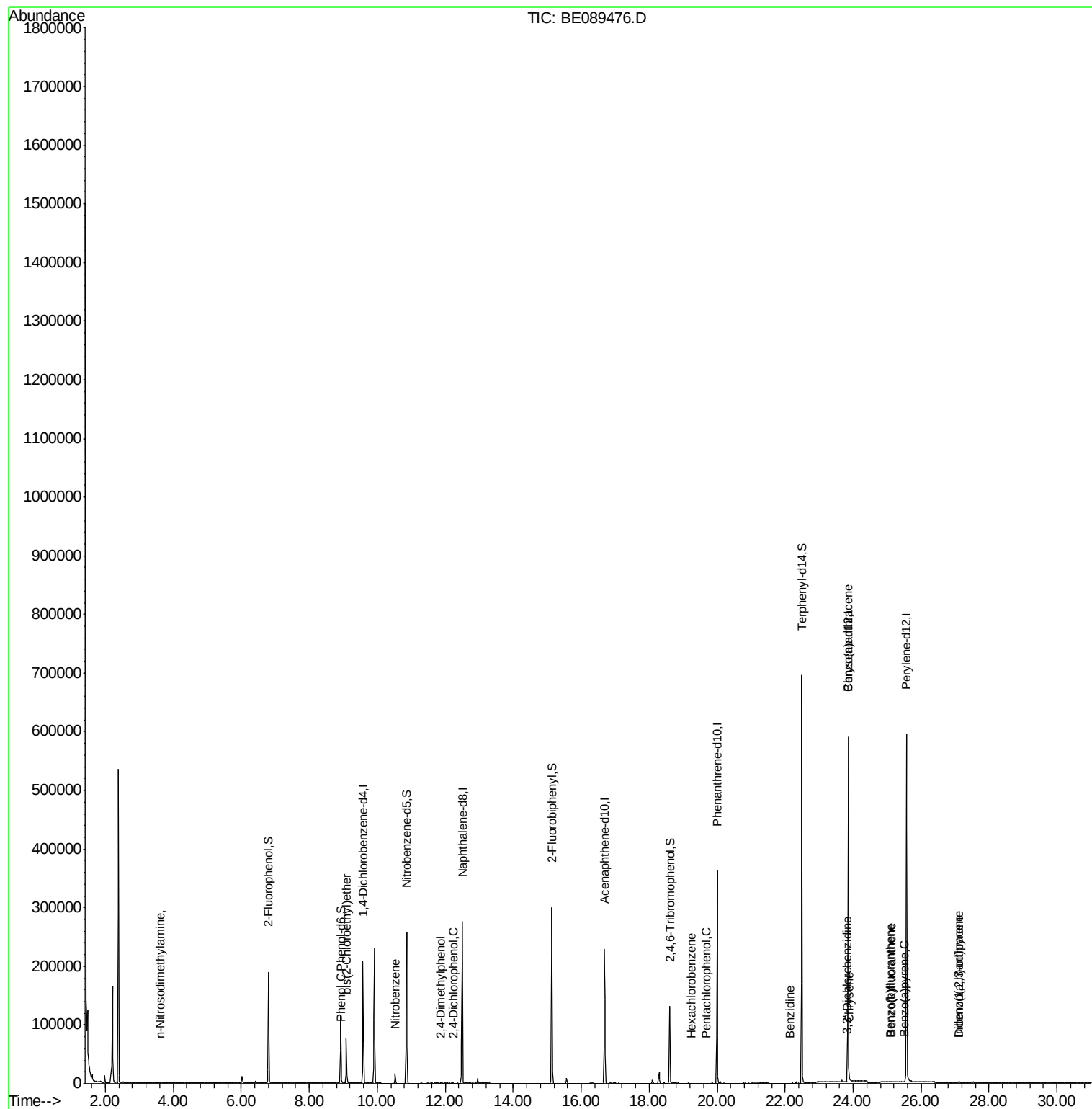
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.62	42	12	0.11	ng	# 1
5) Phenol	8.95	94	263	0.01	ng	# 1
6) bis(2-Chloroethyl)ether	9.09	93	425	0.02	ng	# 1
9) Nitrobenzene	10.53	77	21785	0.83	ng	# 43
10) 2,4-Dimethylphenol	11.86	122	23	0.00	ng	# 52
11) 2,4-Dichlorophenol	12.24	162	8	0.00	ng	# 1
16) 2,4-Dinitrophenol	16.91	184	9	Below Cal		# 42
18) Hexachlorobenzene	19.24	284	31	0.00	ng	# 1
19) Pentachlorophenol	19.67	266	7	0.07	ng	# 64
21) Benzidine	22.15	184	13	0.32	ng	# 1
23) Benzo(a)anthracene	23.84	228	7721	0.02	ng	# 78
24) 3,3'-Dichlorobenzidine	23.82	252	42	0.19	ng	# 60
25) Chrysene	23.88	228	2582	0.01	ng	# 60
26) Indeno(1,2,3-cd)pyrene	27.08	276	970	0.22	ng	# 80
28) Benzo(b)fluoranthene	25.11	252	761	0.26	ng	# 1
29) Benzo(k)fluoranthene	25.14	252	857	0.01	ng	# 1
30) Benzo(a)pyrene	25.49	252	675	0.24	ng	# 1
31) Dibenzo(a,h)anthracene	27.11	278	1078	0.22	ng	# 1

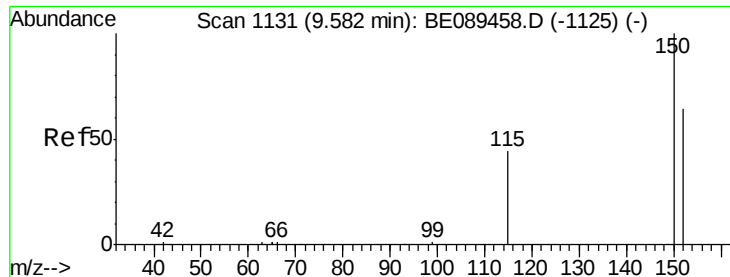
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.59 min Scan# 1132

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

Instrument :

BNA_E

ClientSampleId :

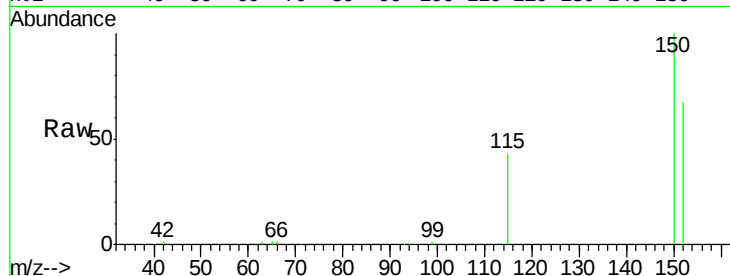
Tgt Ion:152 Resp: 91964

Ion Ratio Lower Upper

152 100

150 149.9 124.6 186.8

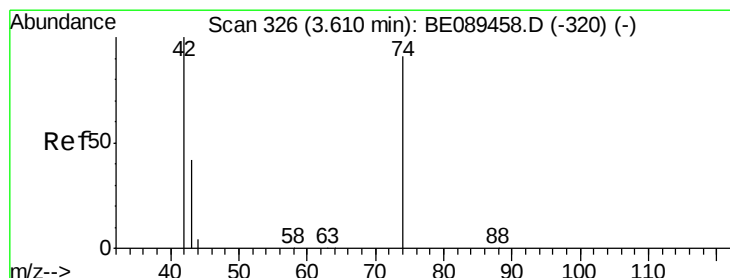
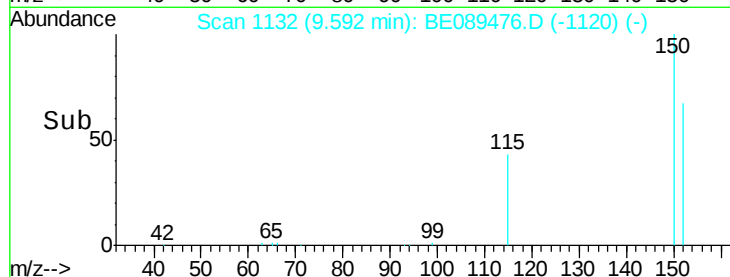
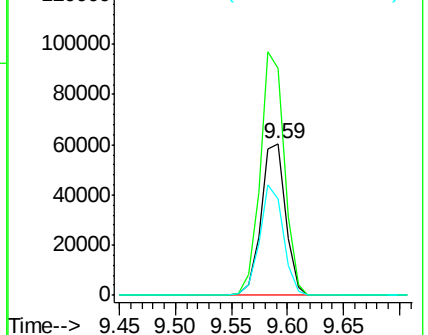
115 63.9 55.4 83.0



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: 0.11 ng

RT: 3.62 min Scan# 327

Delta R.T. 0.00 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

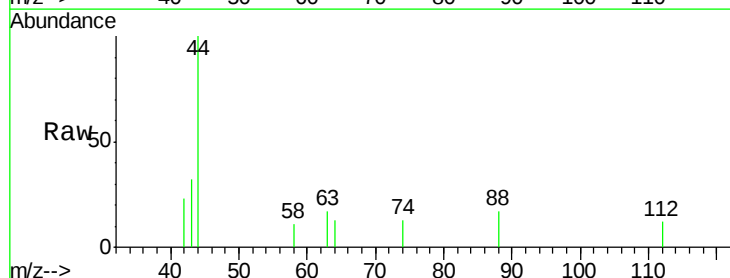
Tgt Ion: 42 Resp: 12

Ion Ratio Lower Upper

42 100

74 57.6 72.1 108.1#

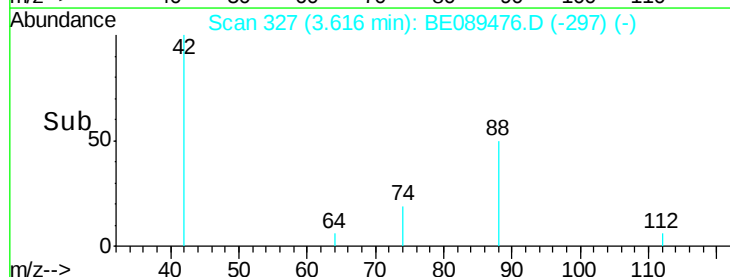
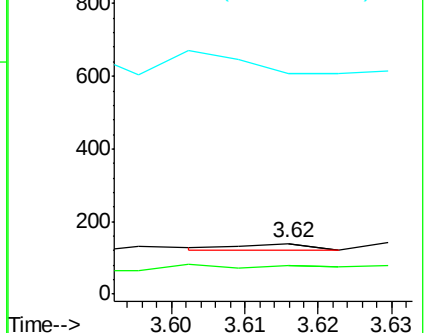
44 437.4 28.0 42.0#

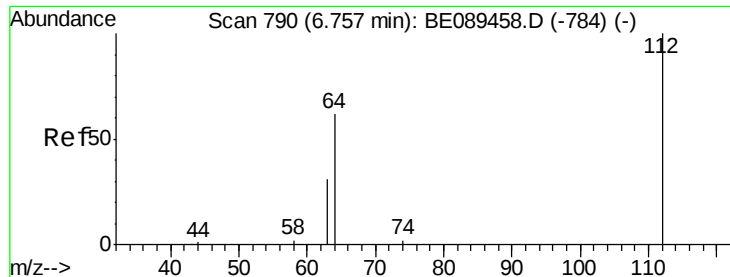


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

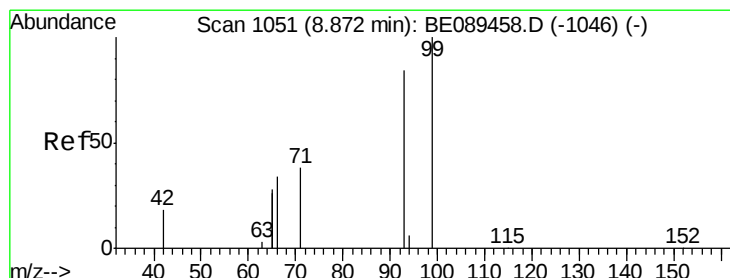
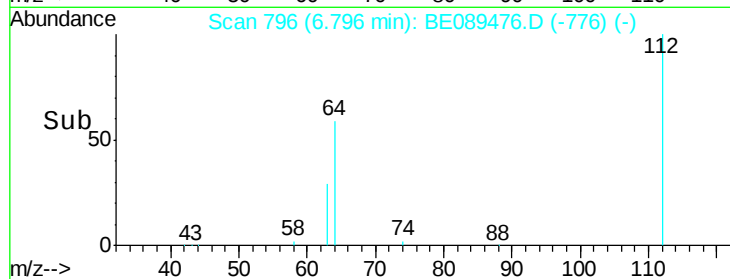
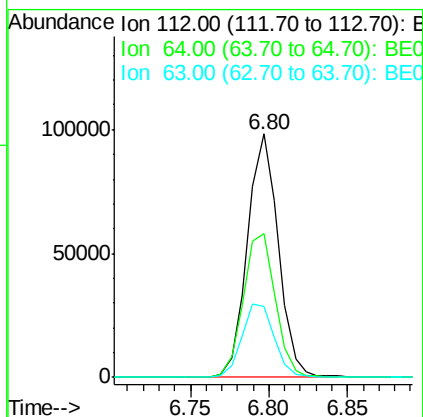
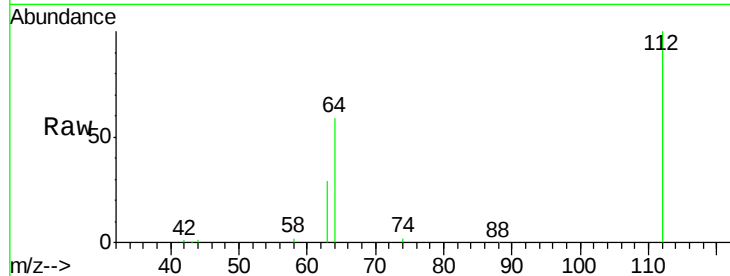




#3
 2-Fluorophenol
 Concen: 4.35 ng
 RT: 6.80 min Scan# 796
 Delta R.T. 0.03 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

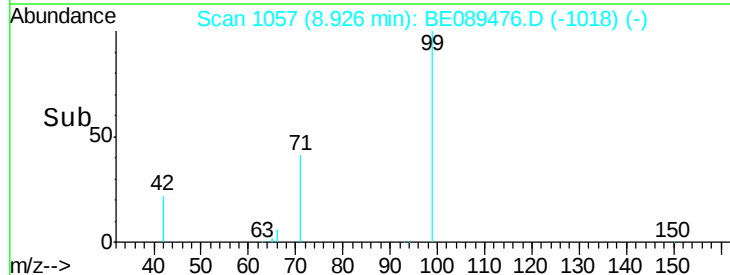
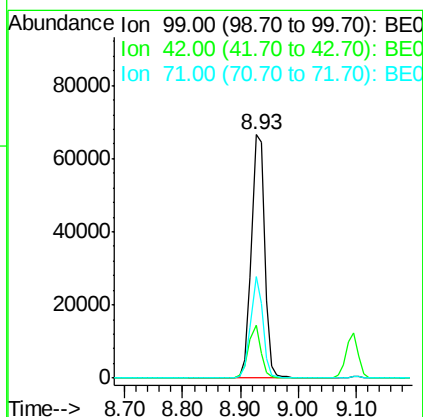
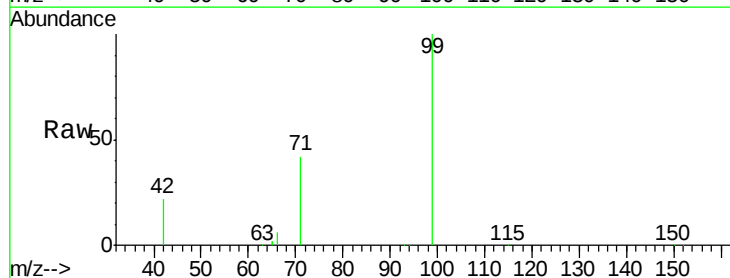
Instrument :
 BNA_E
 ClientSampleId :

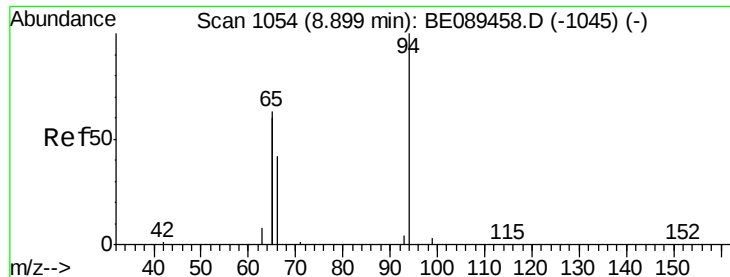
Tgt Ion: 112 Resp: 133813
 Ion Ratio Lower Upper
 112 100
 64 59.0 49.8 74.8
 63 29.3 24.9 37.3



#4
 Phenol-d6
 Concen: 2.83 ng
 RT: 8.93 min Scan# 1057
 Delta R.T. 0.05 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

Tgt Ion: 99 Resp: 101715
 Ion Ratio Lower Upper
 99 100
 42 21.8 15.0 22.4
 71 41.6 30.6 46.0





#5

Phenol

Concen: 0.01 ng

RT: 8.95 min Scan# 1060

Delta R.T. 0.04 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

Instrument :

BNA_E

ClientSampled :

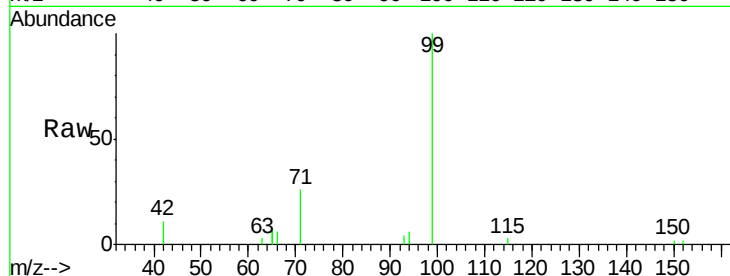
Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

94 100

65 275.5 105.0 145.0#

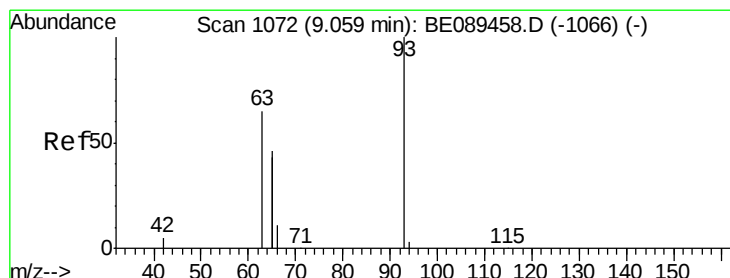
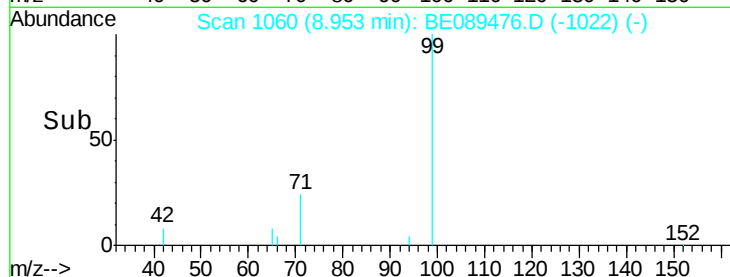
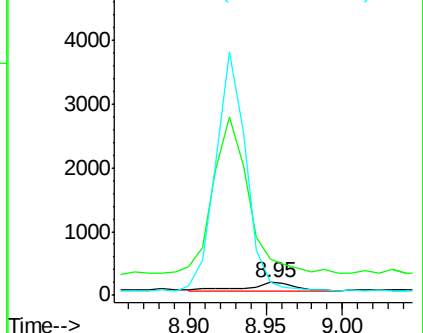
66 102.0 22.4 62.4#



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: 0.02 ng

RT: 9.09 min Scan# 1076

Delta R.T. 0.04 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

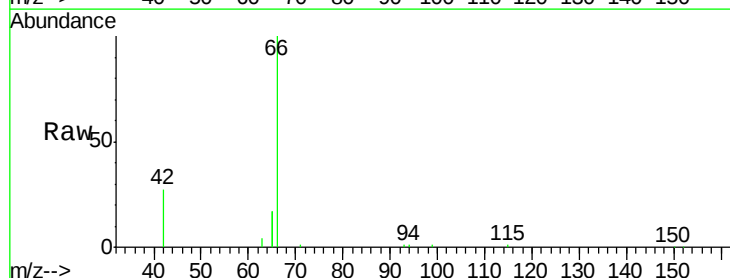
Tgt Ion: 93 Resp: 425

Ion Ratio Lower Upper

93 100

63 569.9 59.2 88.8#

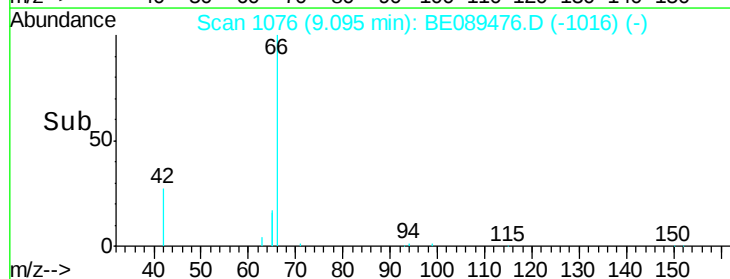
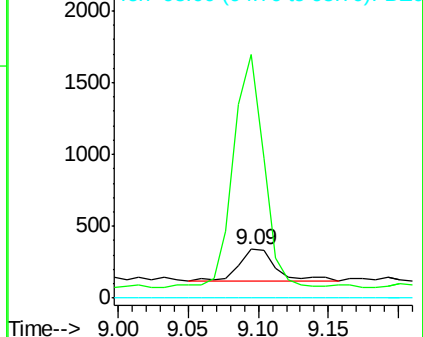
95 0.0 0.0 0.0

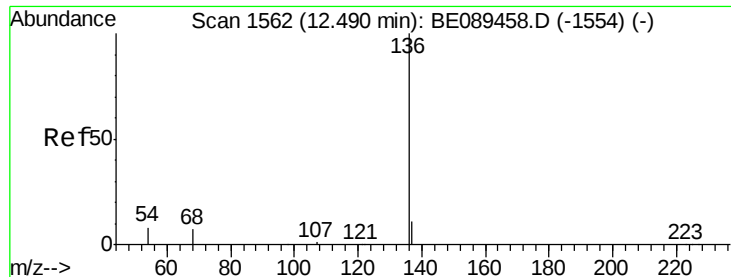


Abundance Ion 93.00 (92.70 to 93.70): BE0

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# 1563

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

Instrument :

BNA_E

ClientSampleId :

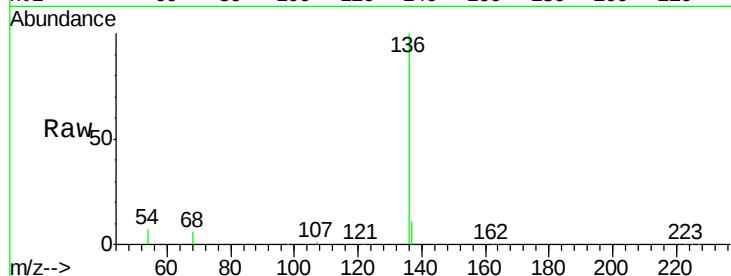
Tgt Ion: 136 Resp: 318373

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

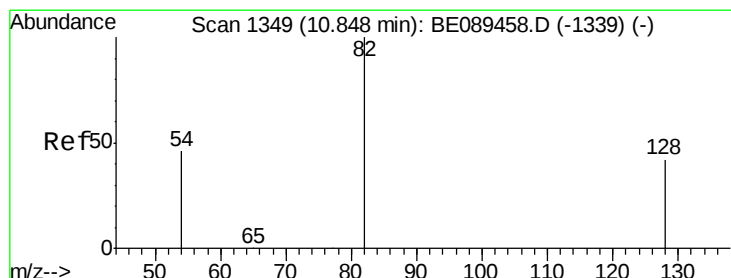
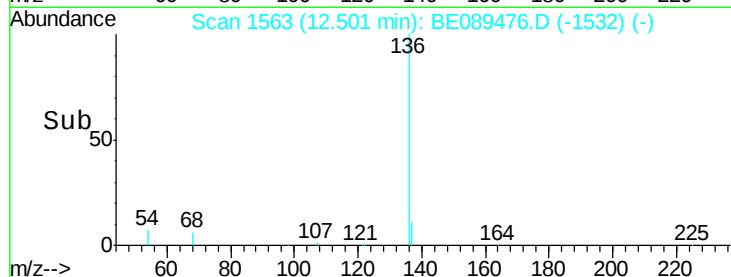
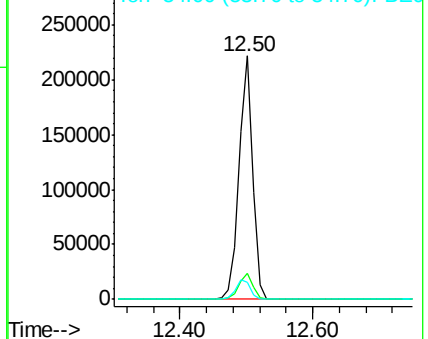
54 7.0 6.5 9.7



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: 8.13 ng

RT: 10.86 min Scan# 1352

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

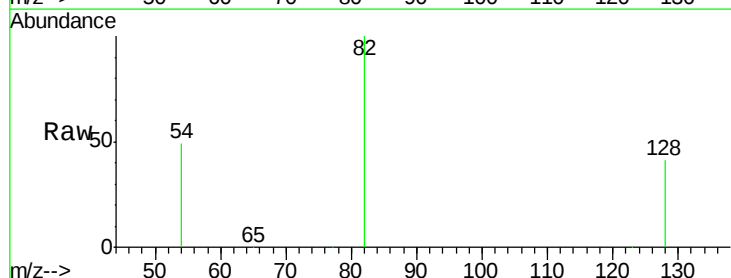
Tgt Ion: 82 Resp: 187991

Ion Ratio Lower Upper

82 100

128 40.6 34.2 51.2

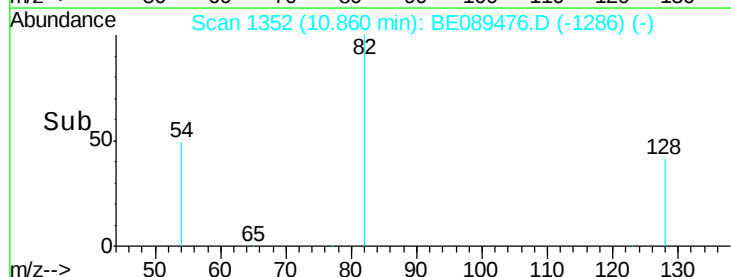
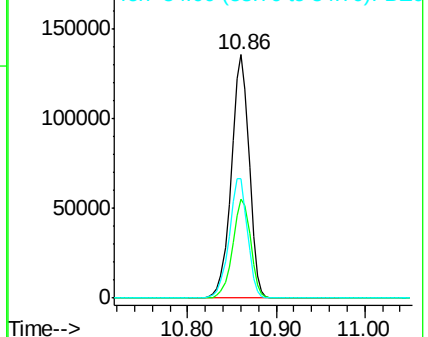
54 48.8 37.3 55.9

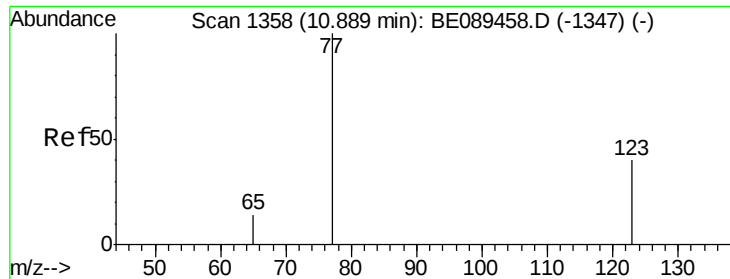


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.83 ng

RT: 10.53 min Scan# 1280

Delta R.T. -0.36 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

Instrument :

BNA_E

ClientSampleId :

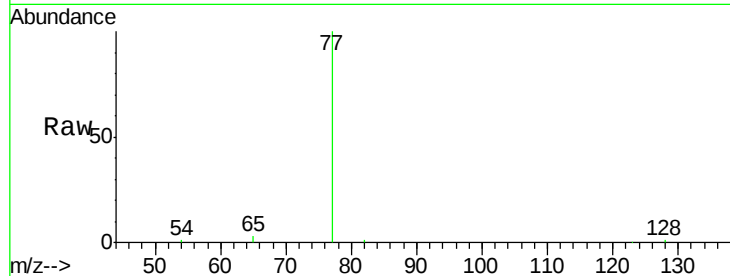
Tgt Ion: 77 Resp: 21785

Ion Ratio Lower Upper

77 100

123 0.0 33.6 50.4#

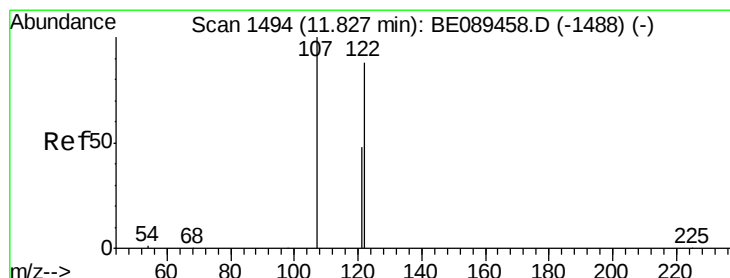
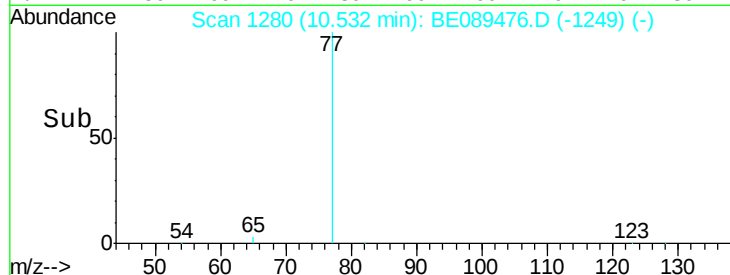
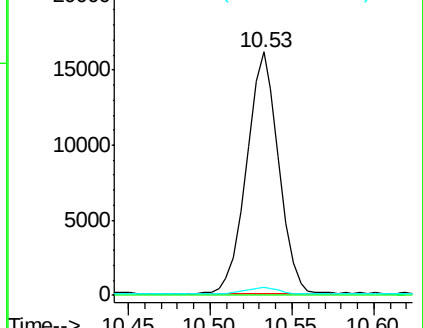
65 2.8 11.0 16.6#



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: 0.00 ng

RT: 11.86 min Scan# 1497

Delta R.T. 0.03 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

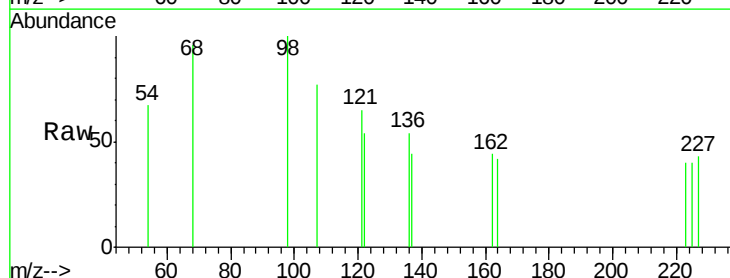
Tgt Ion: 122 Resp: 23

Ion Ratio Lower Upper

122 100

107 142.6 90.6 136.0#

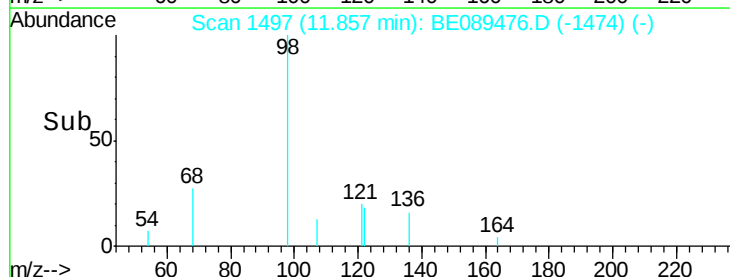
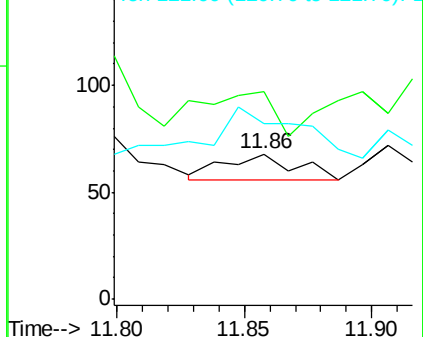
121 120.6 43.7 65.5#

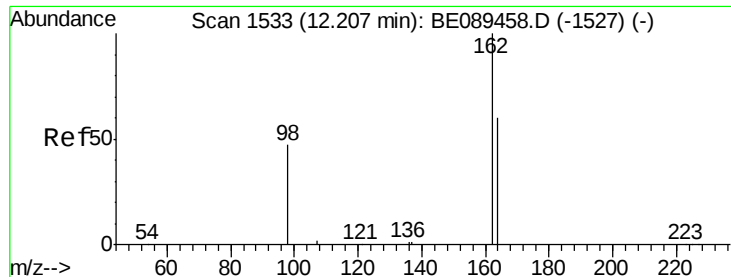


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

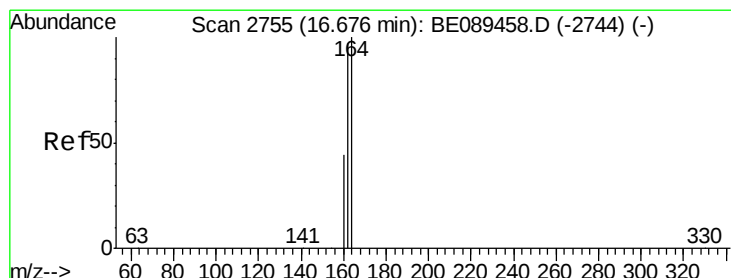
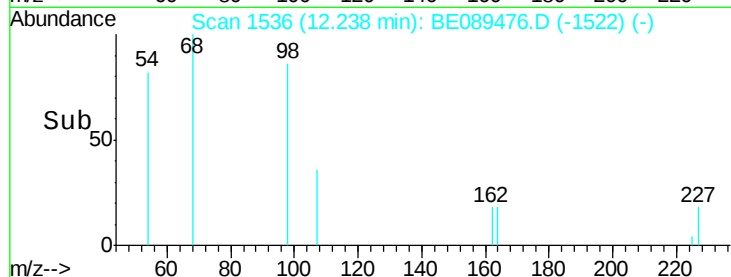
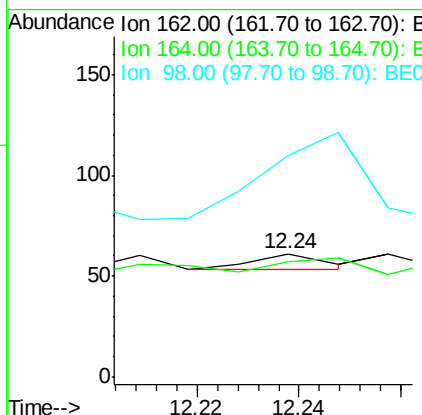
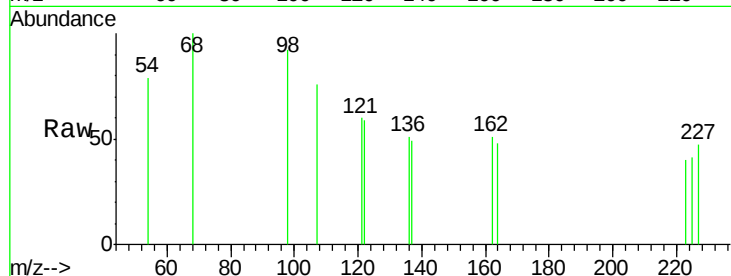




#11
 2,4-Dichlorophenol
 Concen: 0.00 ng
 RT: 12.24 min Scan# 1536
 Delta R.T. 0.02 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

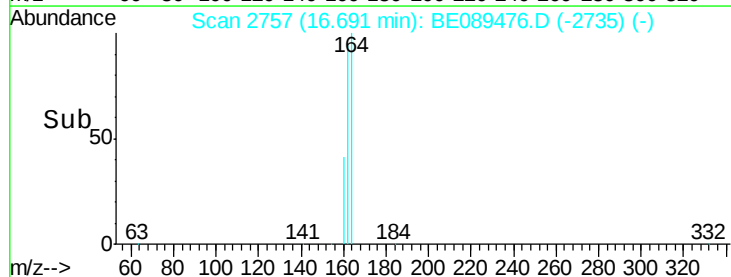
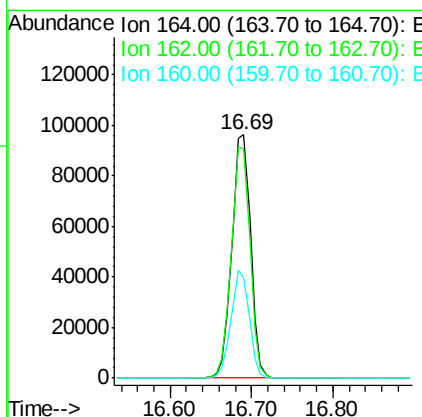
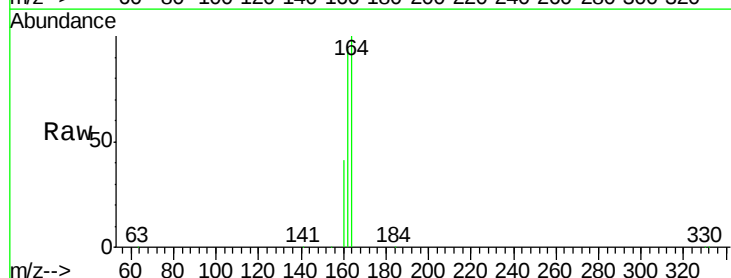
Instrument :
 BNA_E
 ClientSampleId :

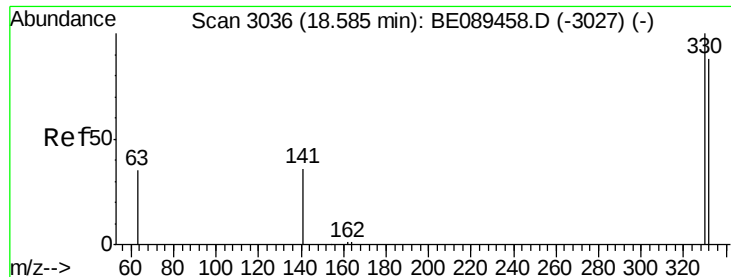
Tgt Ion:162 Resp: 8
 Ion Ratio Lower Upper
 162 100
 164 93.4 40.5 80.5#
 98 180.3 28.1 68.1#



#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.69 min Scan# 2757
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

Tgt Ion:164 Resp: 154227
 Ion Ratio Lower Upper
 164 100
 162 94.2 77.4 116.2
 160 41.2 35.5 53.3

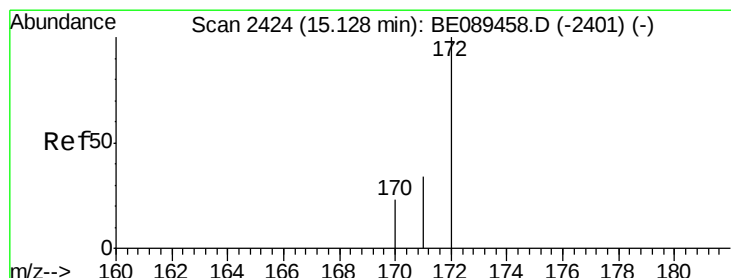
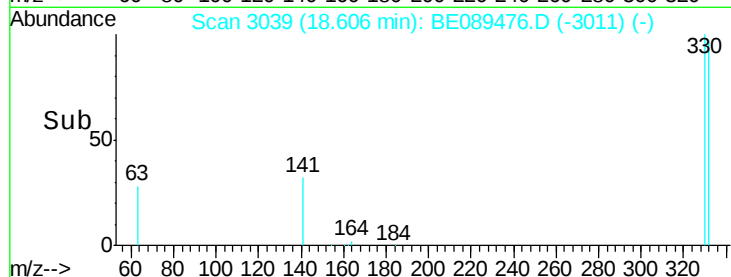
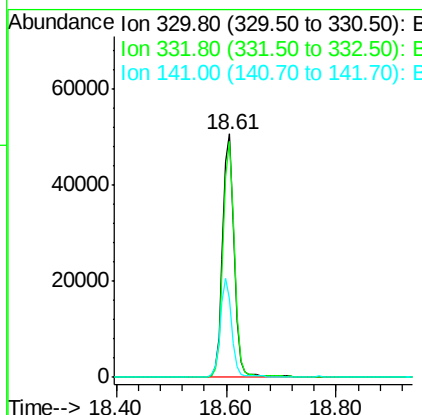
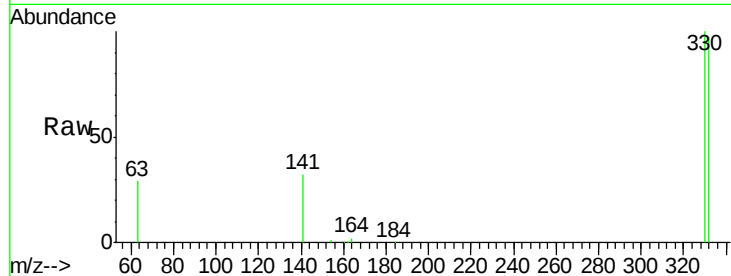




#14
 2,4,6-Tribromophenol
 Concen: 19.29 ng
 RT: 18.61 min Scan# 3039
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

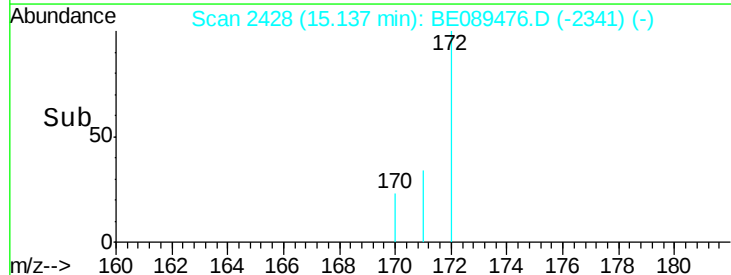
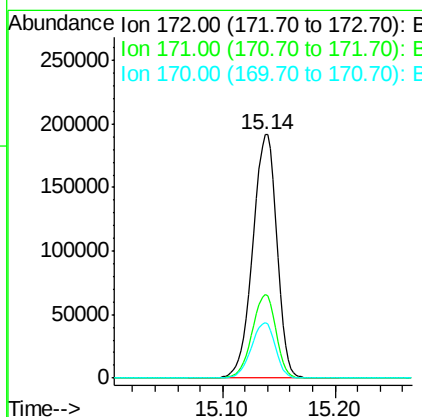
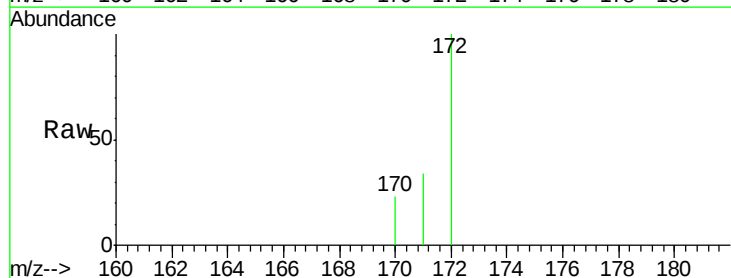
Instrument :
 BNA_E
 ClientSampleId :

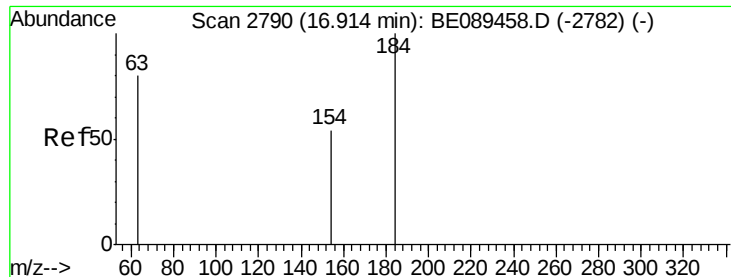
Tgt Ion:330 Resp: 75009
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.4 113.2
 141 40.2 35.7 53.5



#15
 2-Fluorobiphenyl
 Concen: 6.48 ng
 RT: 15.14 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

Tgt Ion:172 Resp: 279314
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.7 41.5
 170 22.9 18.3 27.5

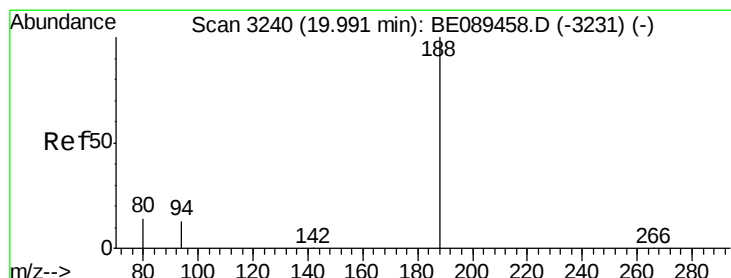
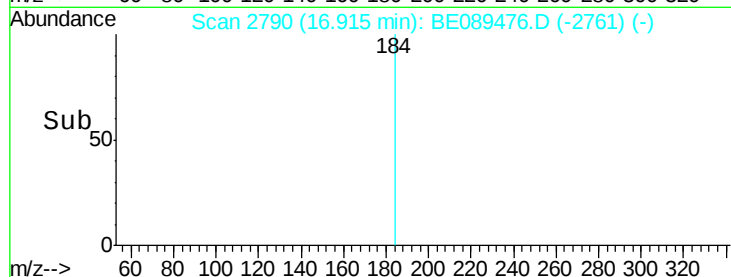
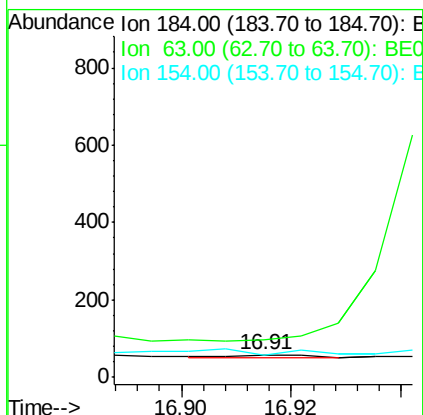
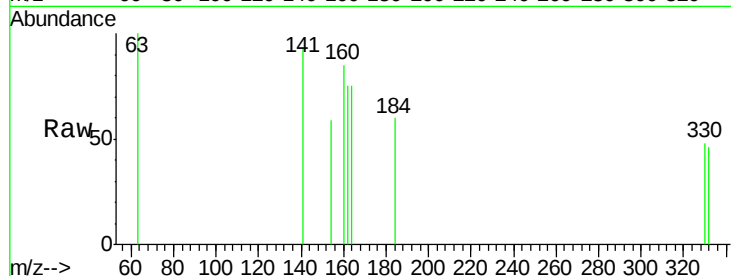




#16
2,4-Dinitrophenol
Concen: Below Cal
RT: 16.91 min Scan# 2790
Delta R.T. -0.01 min
Lab File: BE089476.D
Acq: 3 Feb 2015 5:36

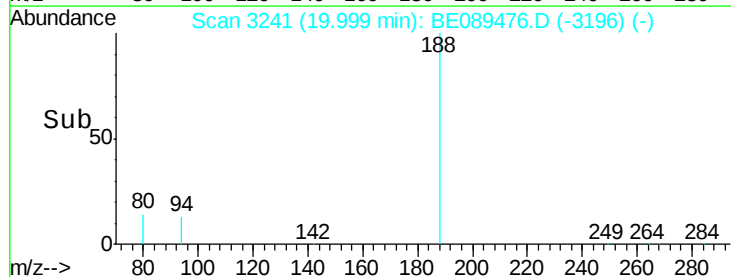
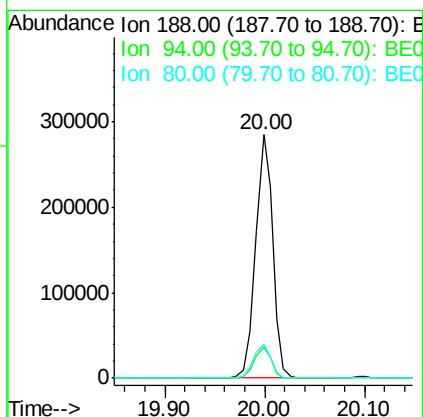
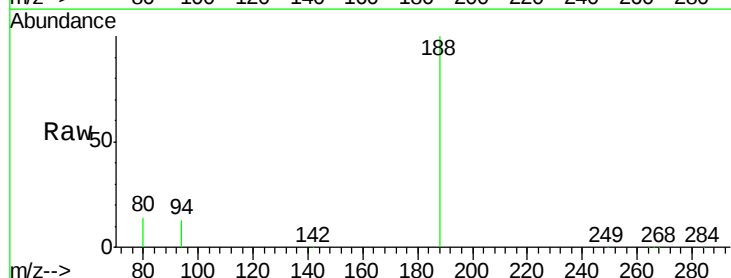
Instrument :
BNA_E
ClientSampleId :

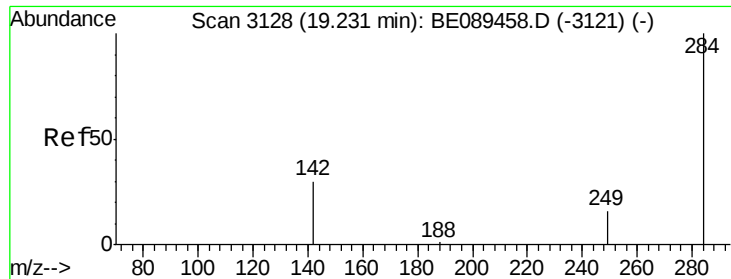
Tgt Ion:184 Resp: 9
Ion Ratio Lower Upper
184 100
63 167.2 77.0 115.6#
154 98.3 54.0 81.0#



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 20.00 min Scan# 3241
Delta R.T. 0.01 min
Lab File: BE089476.D
Acq: 3 Feb 2015 5:36

Tgt Ion:188 Resp: 338141
Ion Ratio Lower Upper
188 100
94 13.0 10.2 15.4
80 14.1 10.9 16.3

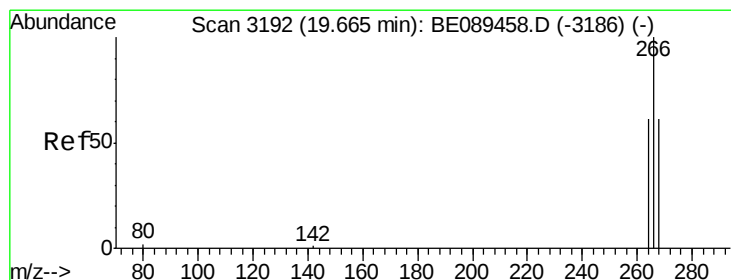
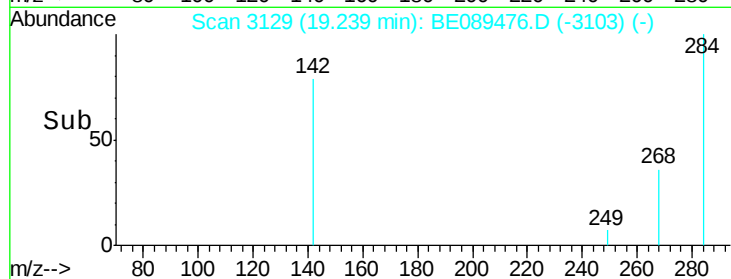
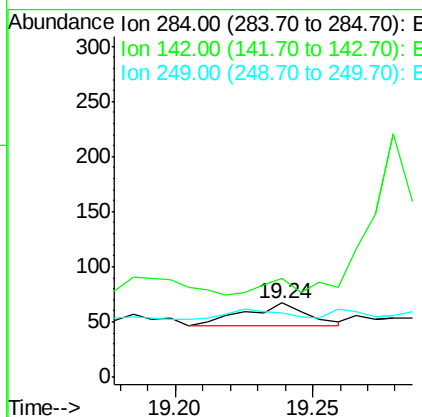
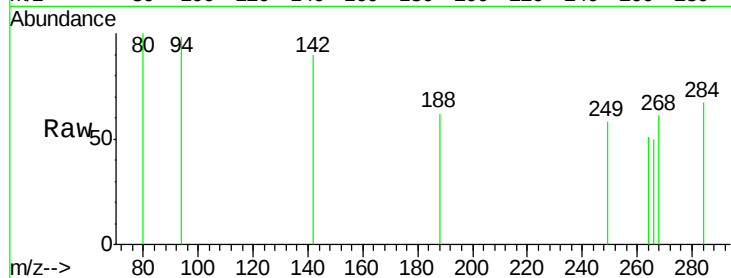




#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.24 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BE089476.D
Acq: 3 Feb 2015 5:36

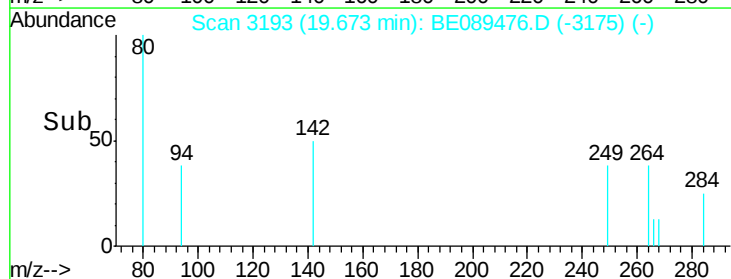
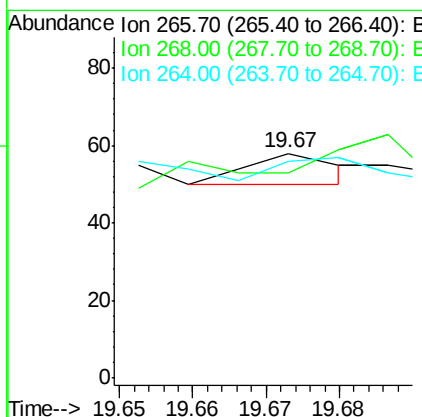
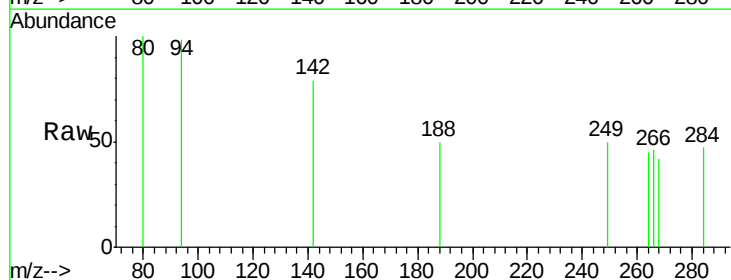
Instrument :
BNA_E
ClientSampled :

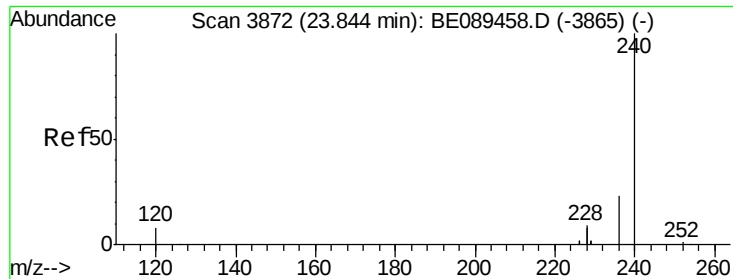
Tgt Ion: 284 Resp: 31
Ion Ratio Lower Upper
284 100
142 134.3 31.8 47.8#
249 86.6 23.5 35.3#



#19
Pentachlorophenol
Concen: 0.07 ng
RT: 19.67 min Scan# 3193
Delta R.T. 0.01 min
Lab File: BE089476.D
Acq: 3 Feb 2015 5:36

Tgt Ion: 266 Resp: 7
Ion Ratio Lower Upper
266 100
268 91.4 52.6 78.8#
264 96.6 52.2 78.2#





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.85 min Scan# 3874

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

Instrument :

BNA_E

ClientSampleId :

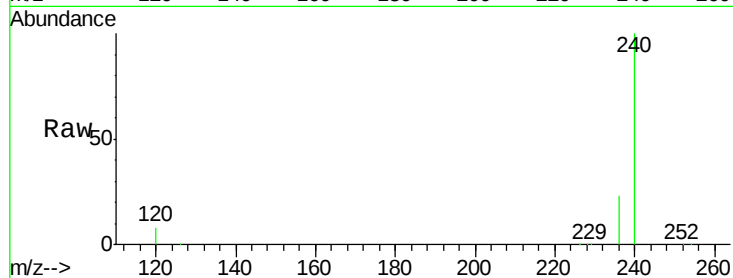
Tgt Ion:240 Resp: 487619

Ion Ratio Lower Upper

240 100

120 7.9 6.2 9.4

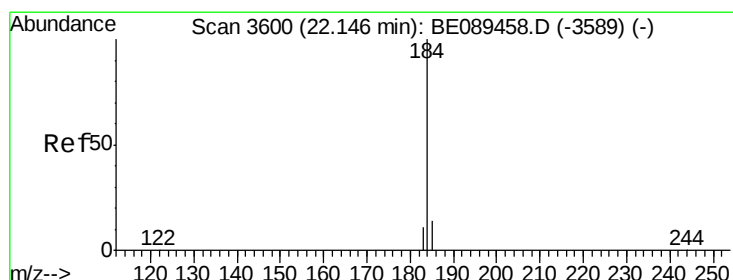
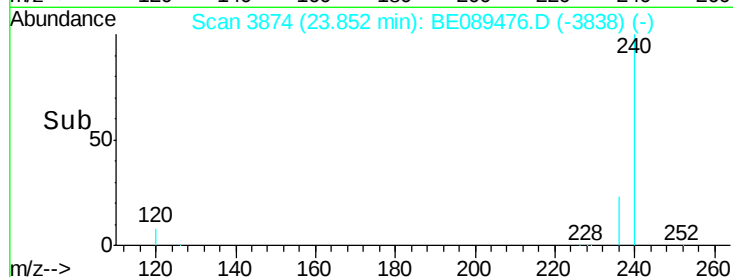
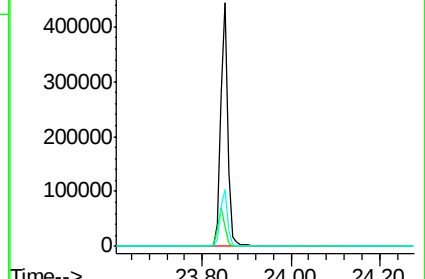
236 23.4 18.2 27.4



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: 0.32 ng

RT: 22.15 min Scan# 3602

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

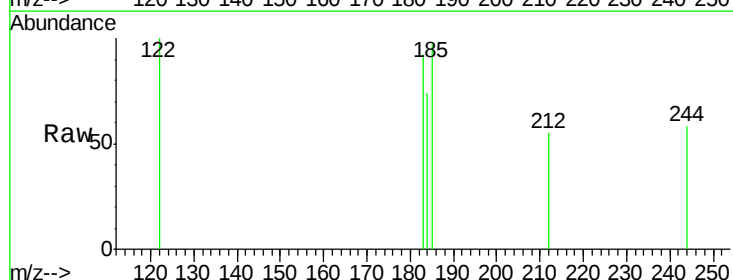
Tgt Ion:184 Resp: 13

Ion Ratio Lower Upper

184 100

185 131.3 11.7 17.5#

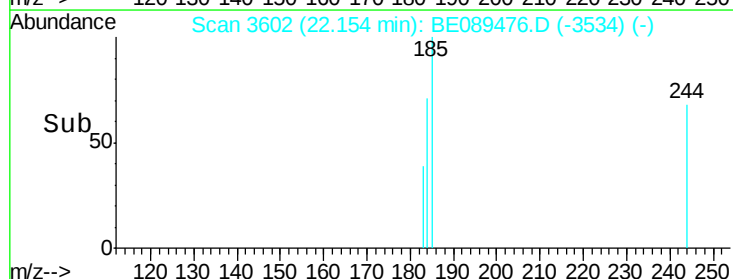
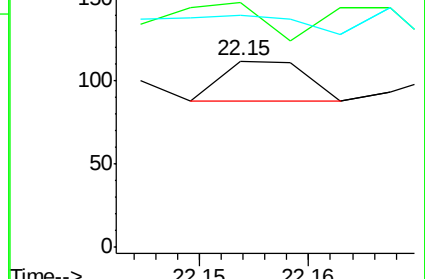
183 125.0 9.4 14.0#

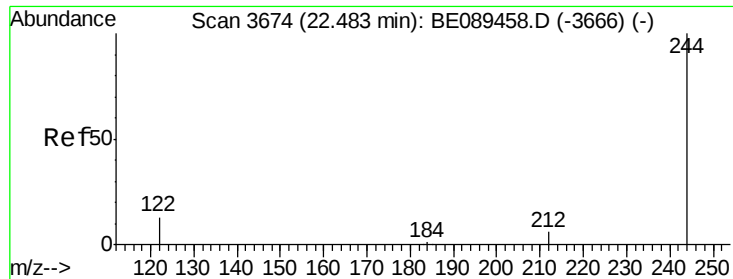


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

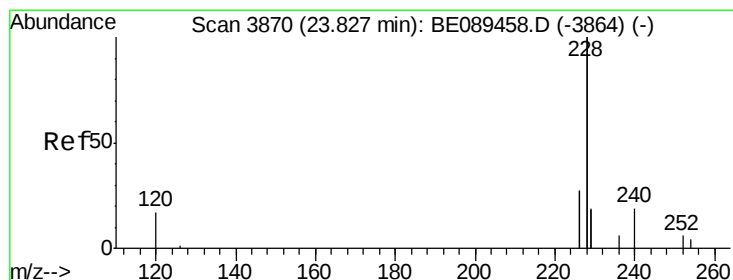
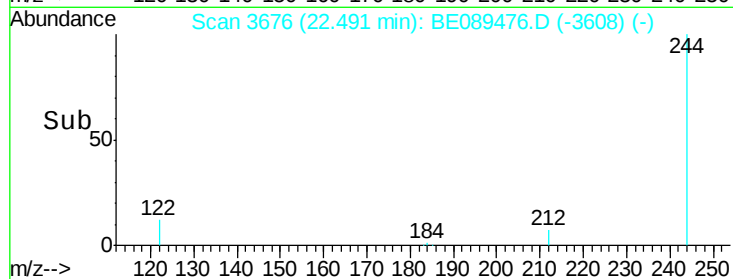
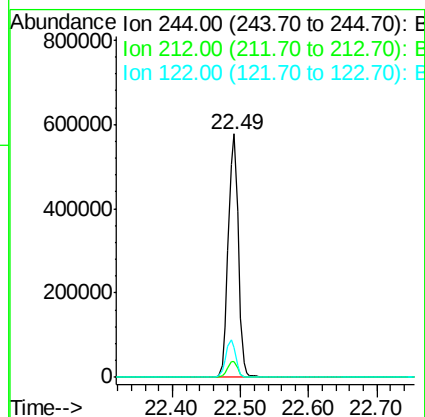
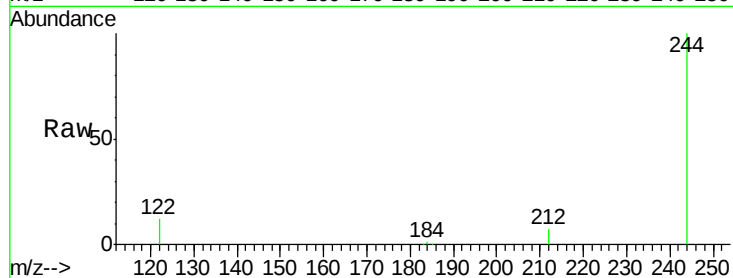




#22
 Terphenyl-d14
 Concen: 10.65 ng
 RT: 22.49 min Scan# 3676
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

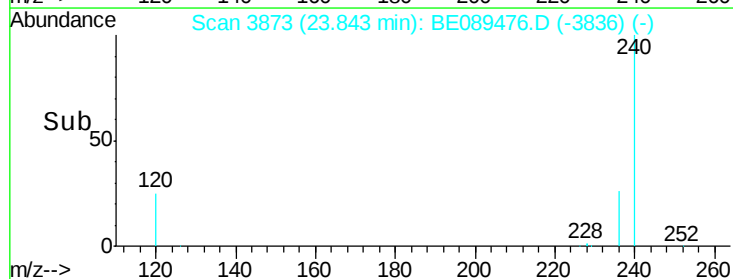
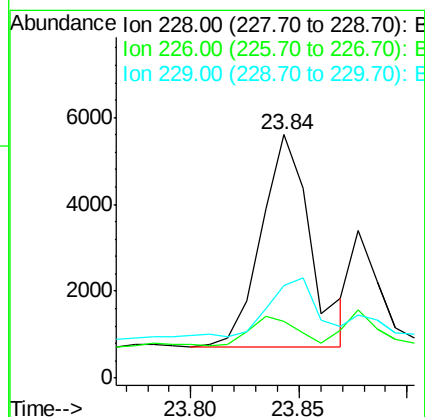
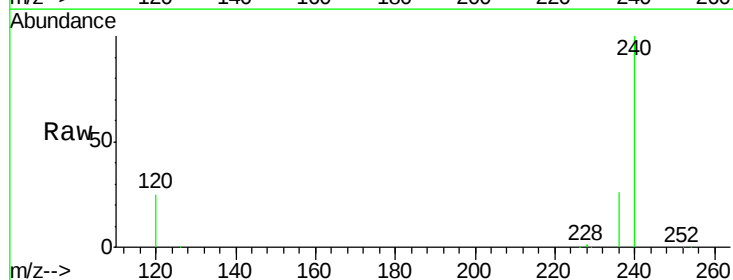
Instrument :
 BNA_E
 ClientSampleId :

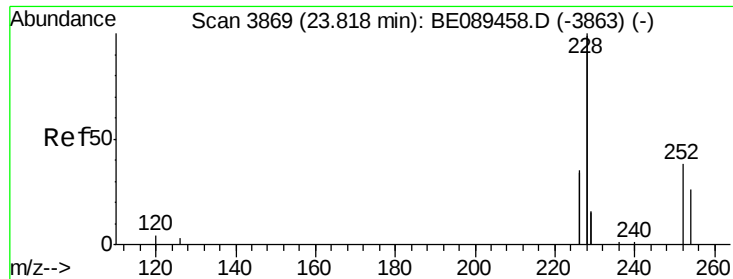
Tgt Ion:244 Resp: 587331
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 12.1 10.5 15.7



#23
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 23.84 min Scan# 3873
 Delta R.T. 0.02 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

Tgt Ion:228 Resp: 7721
 Ion Ratio Lower Upper
 228 100
 226 23.3 21.7 32.5
 229 38.1 14.8 22.2#

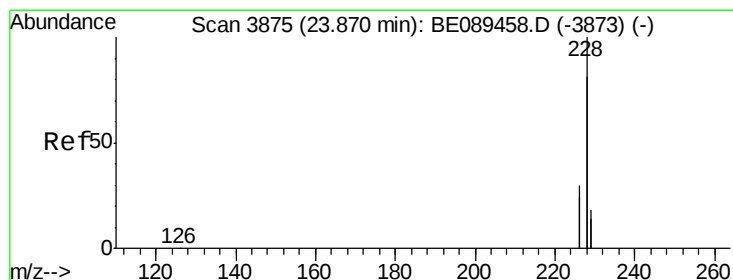
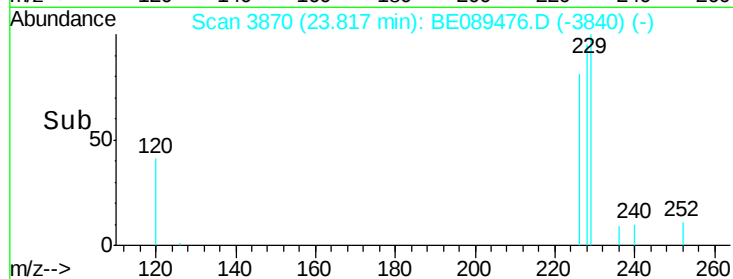
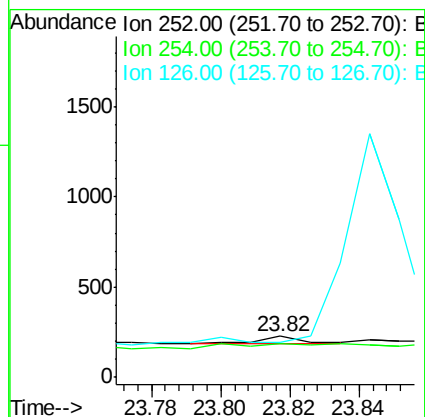
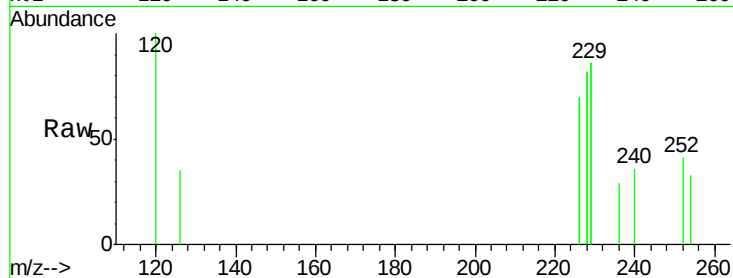




#24
 3,3'-Dichlorobenzidine
 Concen: 0.19 ng
 RT: 23.82 min Scan# 3870
 Delta R.T. -0.00 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

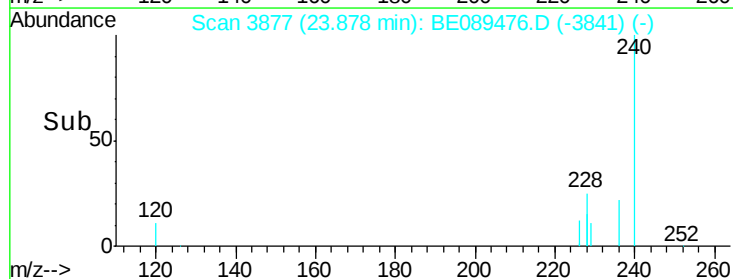
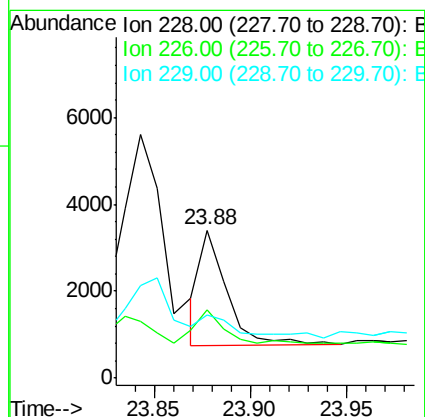
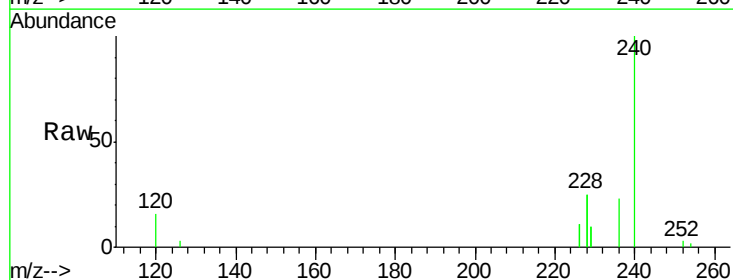
Instrument :
 BNA_E
 ClientSampleId :

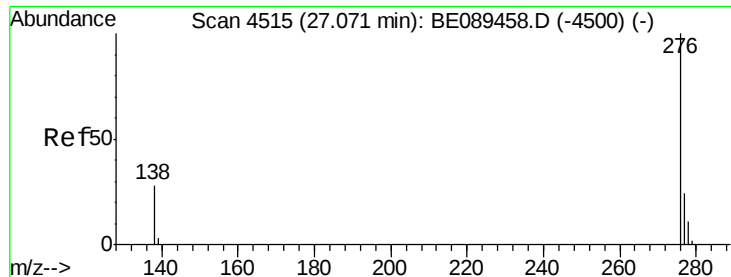
Tgt Ion: 252 Resp: 42
 Ion Ratio Lower Upper
 252 100
 254 81.0 54.6 82.0
 126 86.7 8.0 12.0#



#25
 Chrysene
 Concen: 0.01 ng
 RT: 23.88 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

Tgt Ion: 228 Resp: 2582
 Ion Ratio Lower Upper
 228 100
 226 46.2 23.8 35.8#
 229 42.3 14.3 21.5#

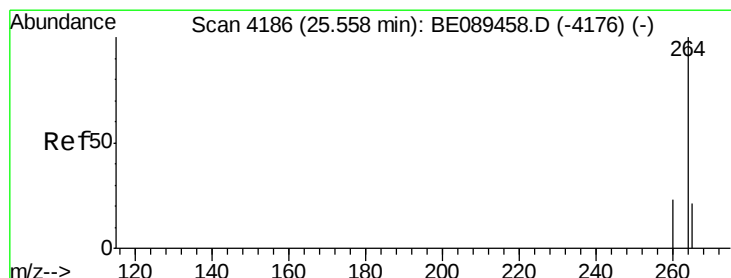
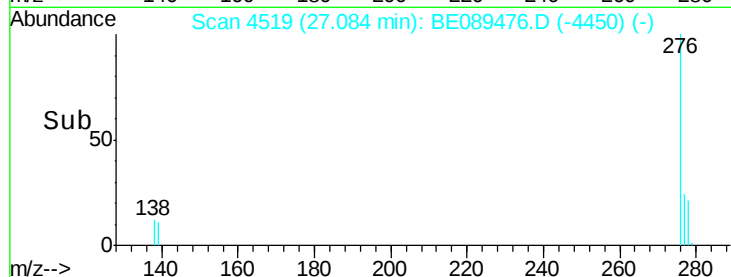
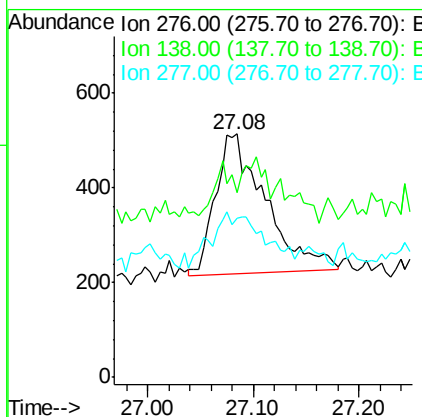
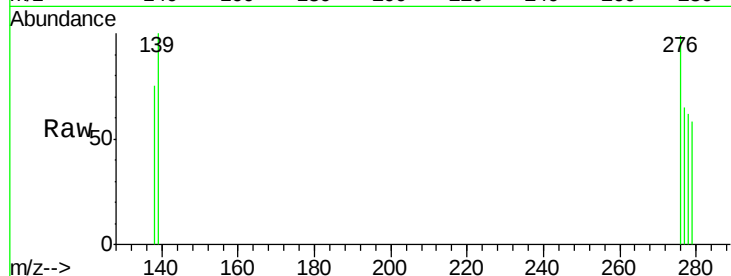




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.22 ng
 RT: 27.08 min Scan# 4519
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

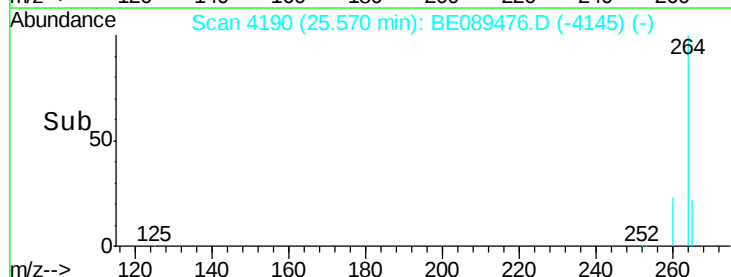
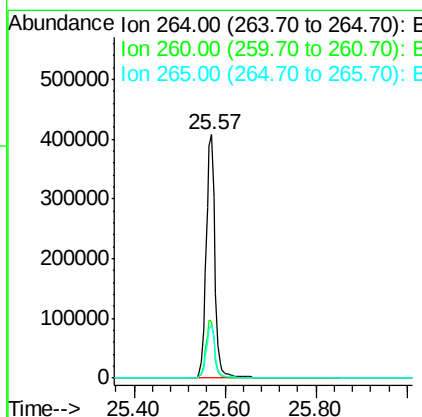
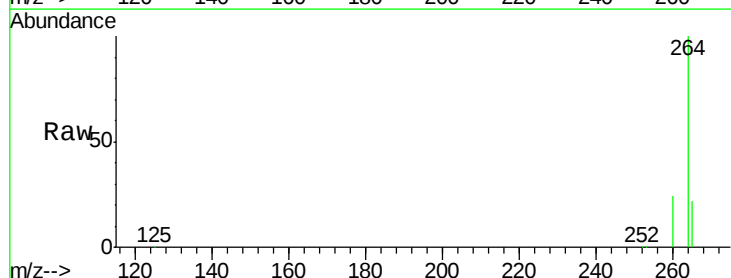
Instrument :
 BNA_E
 ClientSampleId :

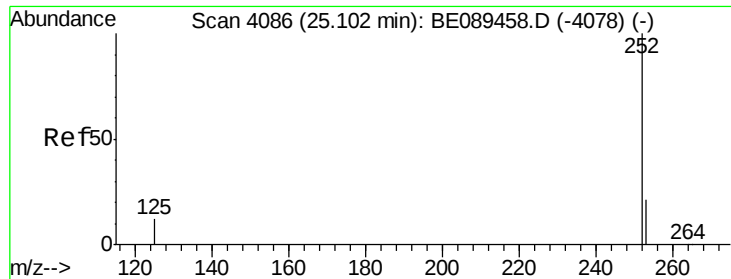
Tgt Ion: 276 Resp: 970
 Ion Ratio Lower Upper
 276 100
 138 13.7 23.3 34.9#
 277 18.8 19.0 28.4#



#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.57 min Scan# 4190
 Delta R.T. 0.01 min
 Lab File: BE089476.D
 Acq: 3 Feb 2015 5:36

Tgt Ion: 264 Resp: 543239
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.8 17.0 25.6





#28

Benzo(b)fluoranthene

Concen: 0.26 ng

RT: 25.11 min Scan# 4088

Delta R.T. 0.00 min

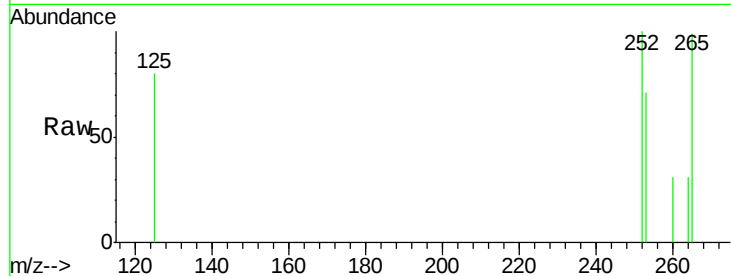
Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

Instrument :

BNA_E

ClientSampleId :



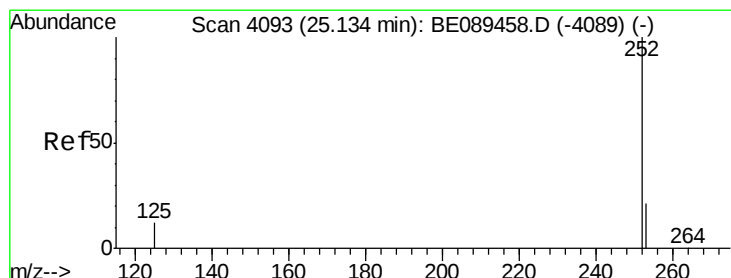
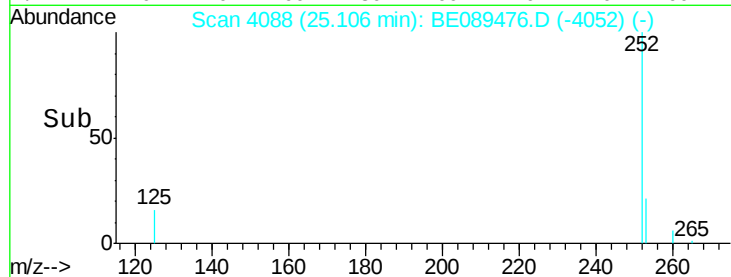
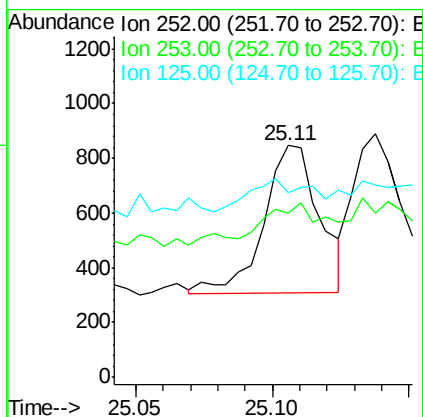
Tgt Ion:252 Resp: 761

Ion Ratio Lower Upper

252 100

253 70.9 17.4 26.0#

125 79.8 10.4 15.6#



#29

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 25.14 min Scan# 4095

Delta R.T. 0.00 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

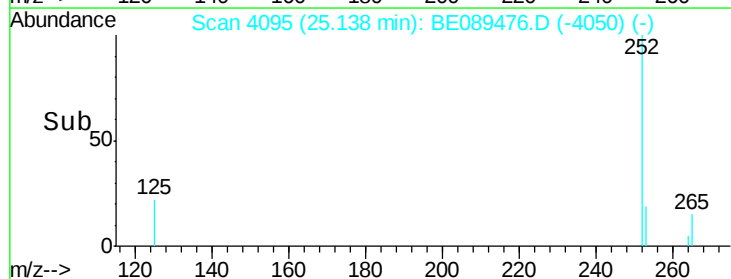
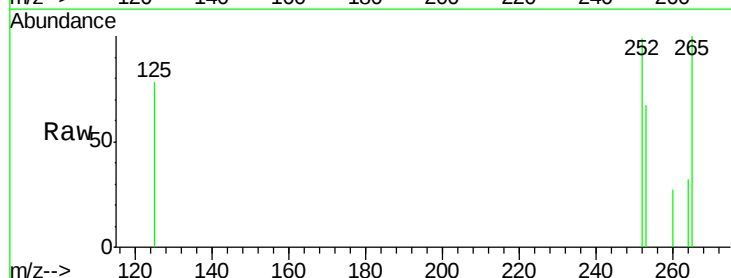
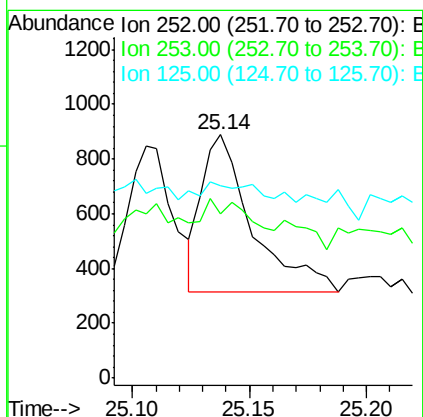
Tgt Ion:252 Resp: 857

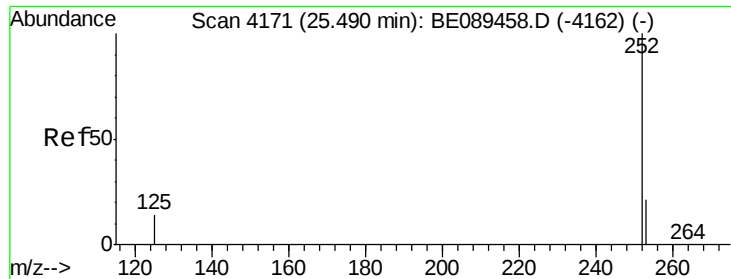
Ion Ratio Lower Upper

252 100

253 67.5 17.5 26.3#

125 79.3 10.3 15.5#





#30

Benzo(a)pyrene

Concen: 0.24 ng

RT: 25.49 min Scan# 4173

Delta R.T. 0.01 min

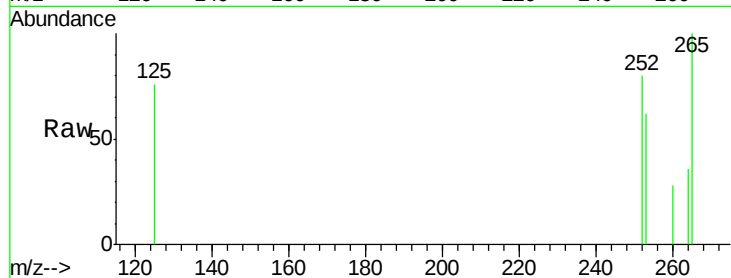
Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

Instrument :

BNA_E

ClientSampleId :



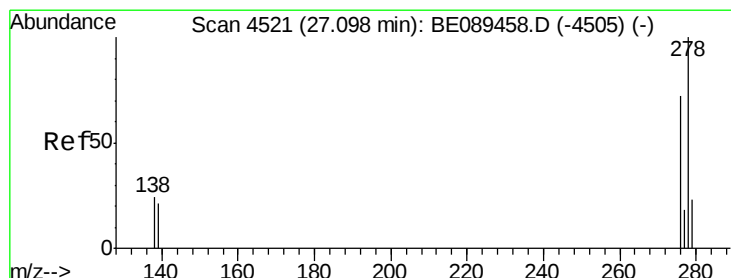
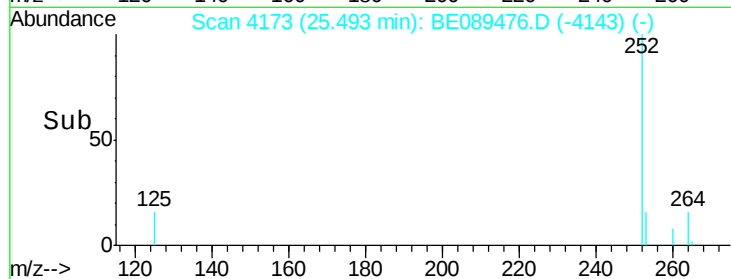
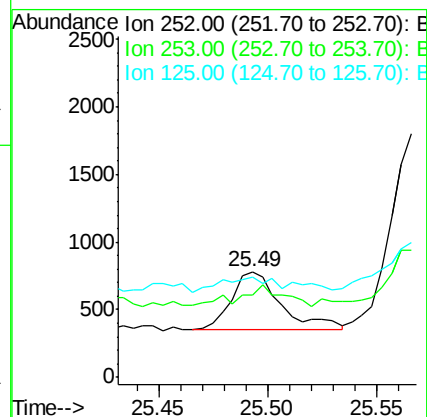
Tgt Ion: 252 Resp: 675

Ion Ratio Lower Upper

252 100

253 77.7 17.5 26.3#

125 94.4 11.8 17.8#



#31

Dibenzo(a,h)anthracene

Concen: 0.22 ng

RT: 27.11 min Scan# 4525

Delta R.T. 0.01 min

Lab File: BE089476.D

Acq: 3 Feb 2015 5:36

Tgt Ion: 278 Resp: 1078

Ion Ratio Lower Upper

278 100

139 87.9 17.1 25.7#

279 56.7 18.8 28.2#

