

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089475.D
 Acq On : 3 Feb 2015 4:57
 Operator : TP/IZ
 Sample : G1110-12
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 06:29:17 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	101272	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	395238	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	236190	5.00	ng	0.00
17) Phenanthrene-d10	20.00	188	523447	5.00	ng	0.00
20) Chrysene-d12	23.86	240	610612	5.00	ng	0.02
27) Perylene-d12	25.59	264	596120	5.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.77	112	96289	2.84	ng	0.01
4) Phenol-d6	8.90	99	71900	1.82	ng	0.03
8) Nitrobenzene-d5	10.85	82	202984	7.07	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	102980	17.30	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	324548	4.91	ng	0.00
22) Terphenyl-d14	22.49	244	591722	8.57	ng	0.01

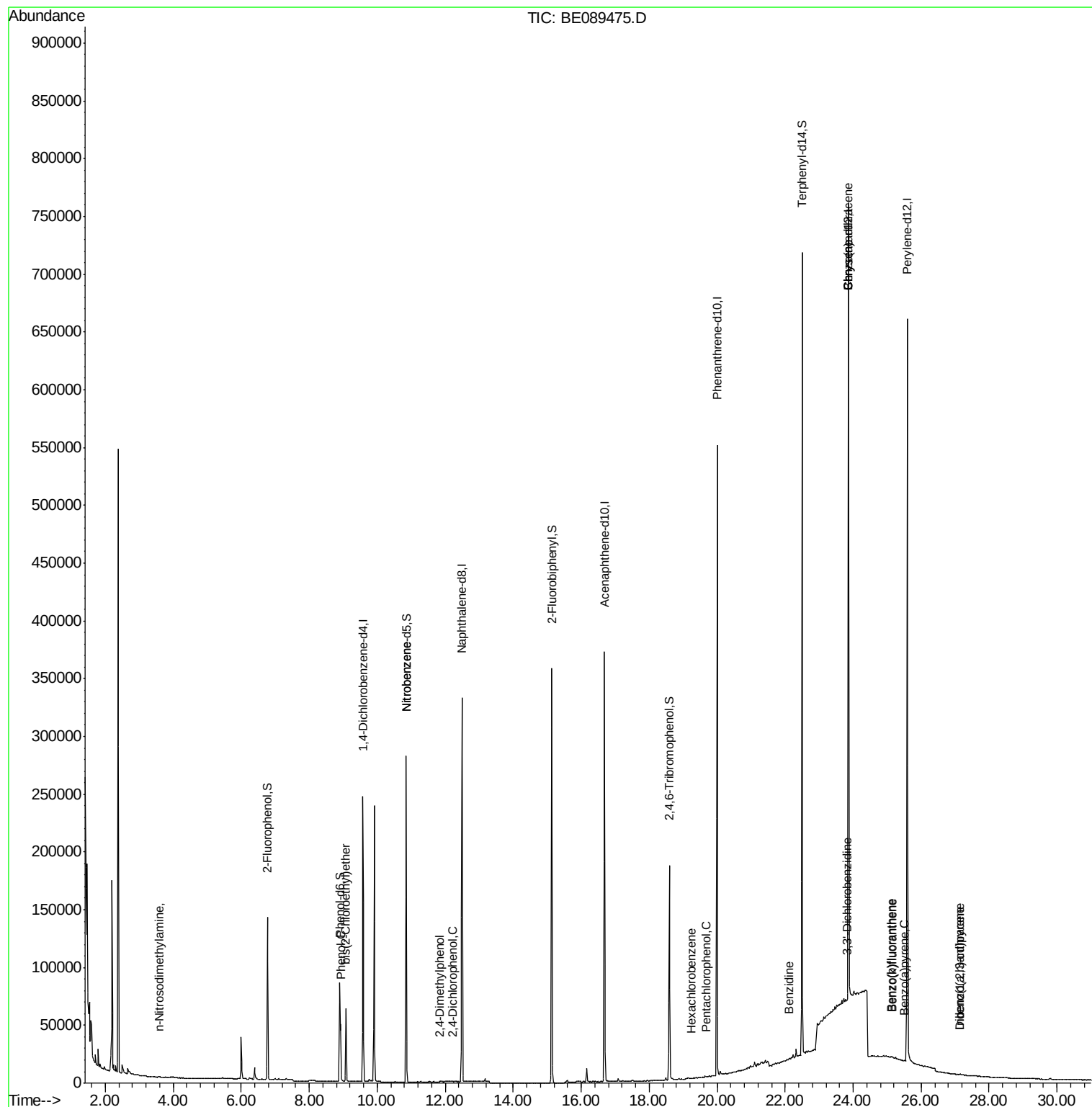
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.59	42	369	0.13	ng	# 1
5) Phenol	8.93	94	25490	0.60	ng	# 89
6) bis(2-Chloroethyl)ether	9.09	93	306	0.01	ng	# 1
9) Nitrobenzene	10.85	77	769	0.02	ng	# 37
10) 2,4-Dimethylphenol	11.85	122	508	0.02	ng	# 87
11) 2,4-Dichlorophenol	12.23	162	90	0.01	ng	# 14
16) 2,4-Dinitrophenol	16.91	184	14	Below Cal		# 1
18) Hexachlorobenzene	19.23	284	22	0.00	ng	# 1
19) Pentachlorophenol	19.67	266	131	0.12	ng	# 79
21) Benzidine	22.12	184	647	0.32	ng	# 1
23) Benzo(a)anthracene	23.85	228	22494	0.05	ng	# 1
24) 3,3'-Dichlorobenzidine	23.81	252	511	0.20	ng	# 1
25) Chrysene	23.85	228	22494	0.04	ng	# 5
26) Indeno(1,2,3-cd)pyrene	27.11	276	791	0.22	ng	# 59
28) Benzo(b)fluoranthene	25.12	252	676	0.26	ng	# 1
29) Benzo(k)fluoranthene	25.16	252	567	0.00	ng	# 1
30) Benzo(a)pyrene	25.52	252	550	0.23	ng	# 1
31) Dibenzo(a,h)anthracene	27.15	278	918	0.22	ng	# 1

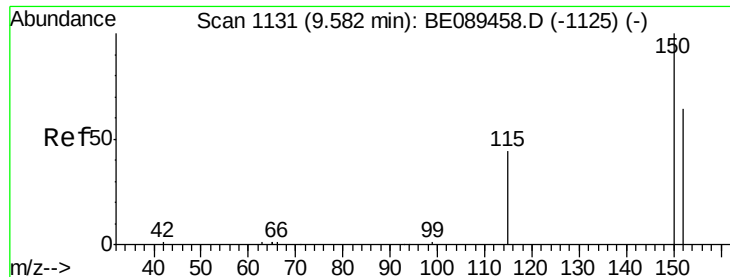
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

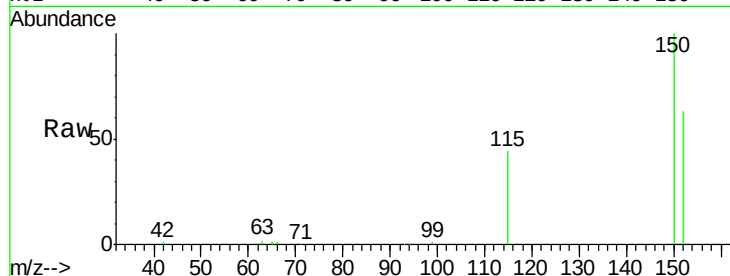
Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

Instrument :

BNA_E

ClientSampleId :



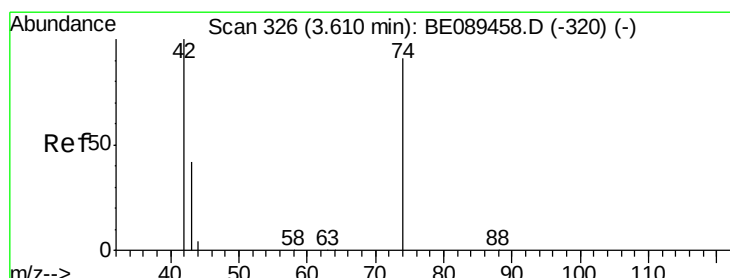
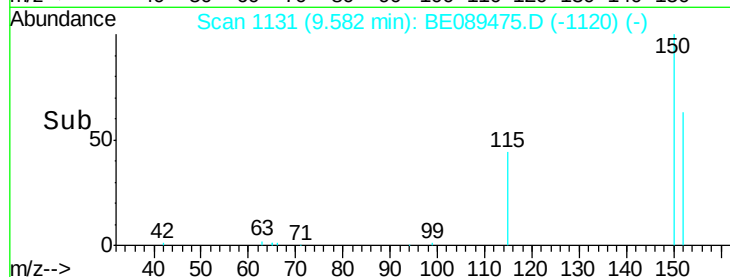
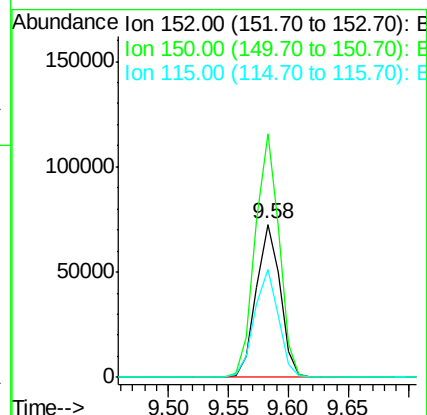
Tgt Ion:152 Resp: 101272

Ion Ratio Lower Upper

152 100

150 159.1 124.6 186.8

115 70.6 55.4 83.0



#2

n-Nitrosodimethylamine

Concen: 0.13 ng

RT: 3.59 min Scan# 323

Delta R.T. -0.02 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

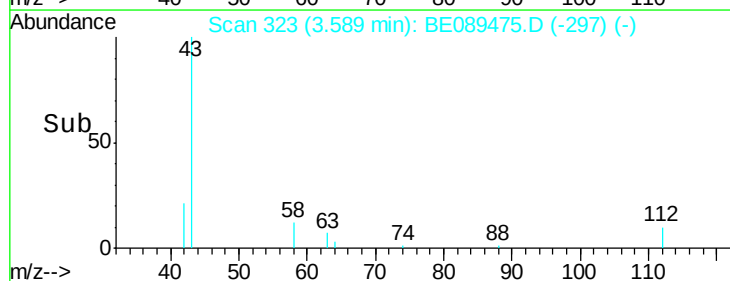
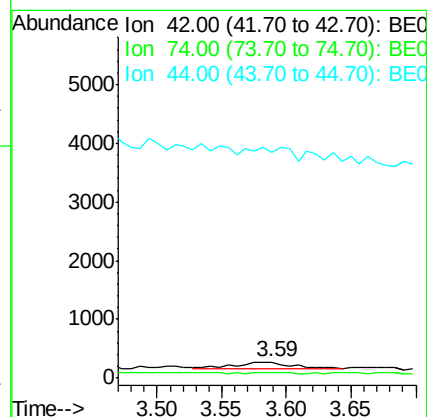
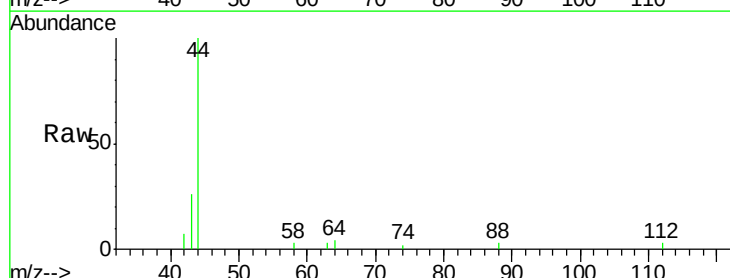
Tgt Ion: 42 Resp: 369

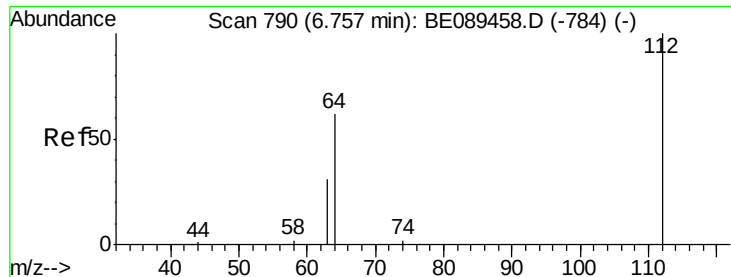
Ion Ratio Lower Upper

42 100

74 34.3 72.1 108.1#

44 1404.7 28.0 42.0#

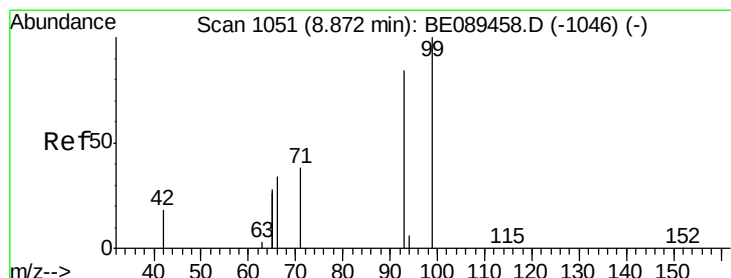
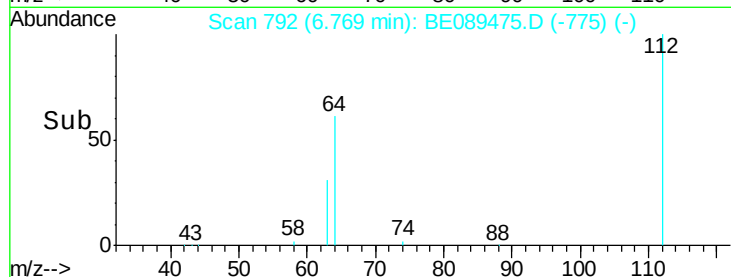
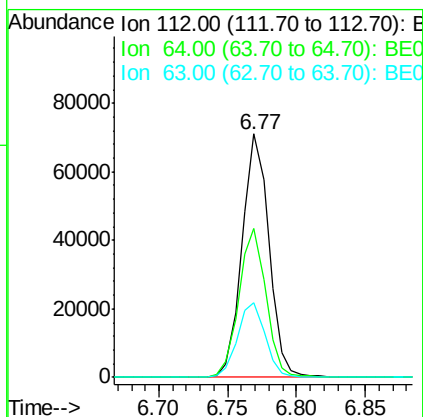
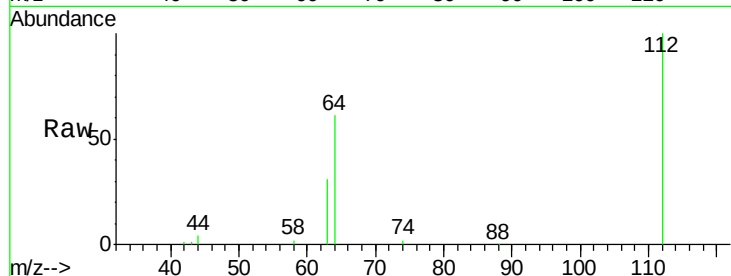




#3
 2-Fluorophenol
 Concen: 2.84 ng
 RT: 6.77 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

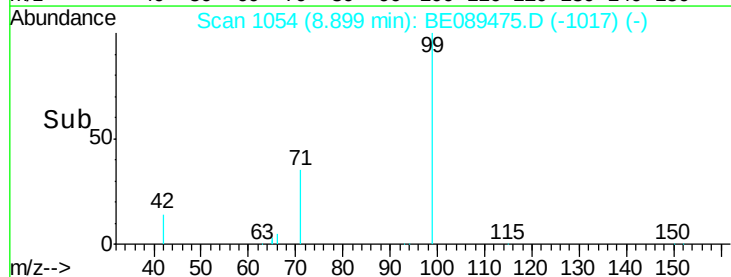
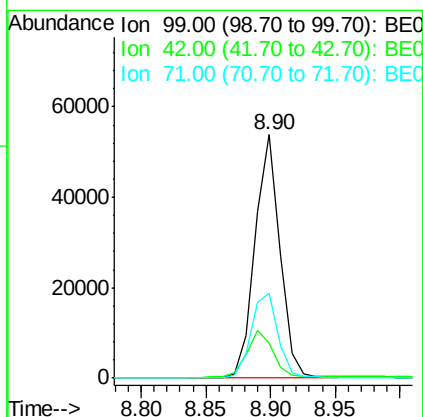
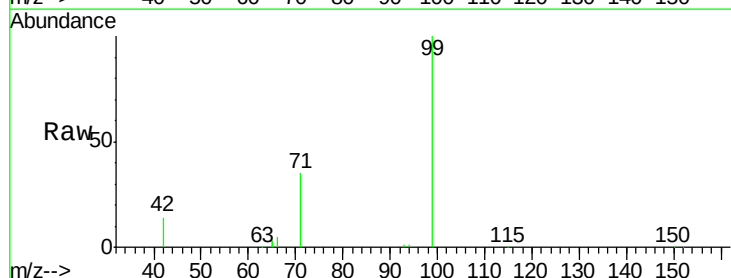
Instrument :
 BNA_E
 ClientSampled :

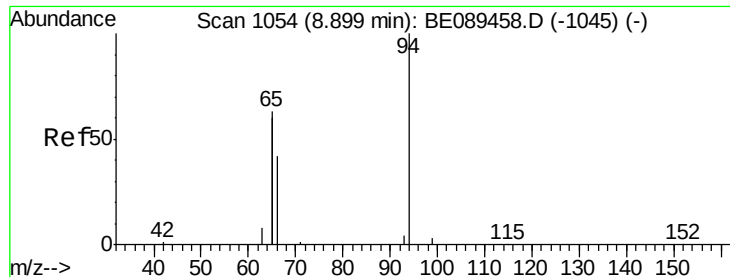
Tgt Ion: 112 Resp: 96289
 Ion Ratio Lower Upper
 112 100
 64 61.3 49.8 74.8
 63 30.9 24.9 37.3



#4
 Phenol-d6
 Concen: 1.82 ng
 RT: 8.90 min Scan# 1054
 Delta R.T. 0.03 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

Tgt Ion: 99 Resp: 71900
 Ion Ratio Lower Upper
 99 100
 42 14.5 15.0 22.4#
 71 34.8 30.6 46.0





#5

Phenol

Concen: 0.60 ng

RT: 8.93 min Scan# 1057

Delta R.T. 0.03 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

Instrument :

BNA_E

ClientSampleId :

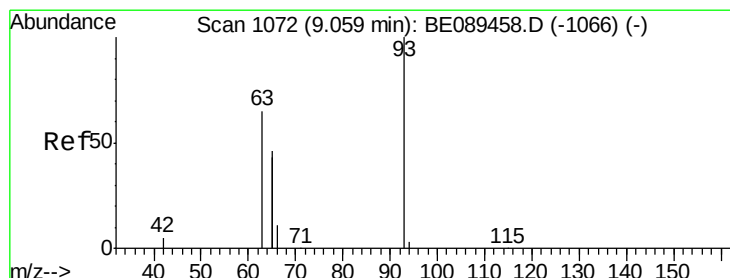
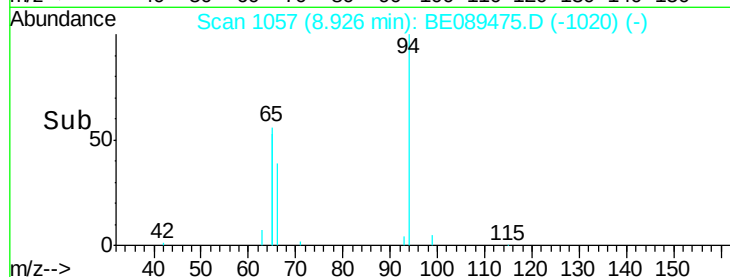
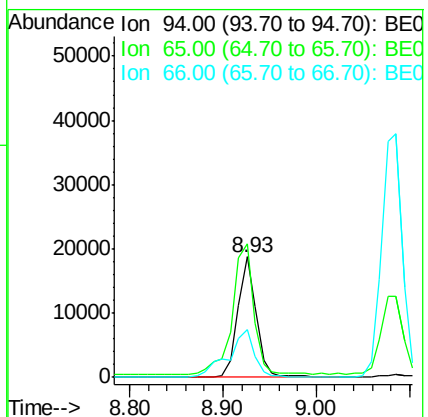
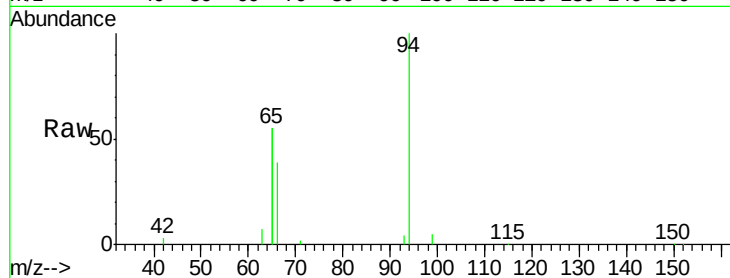
Tgt Ion: 94 Resp: 25490

Ion Ratio Lower Upper

94 100

65 110.6 105.0 145.0

66 39.4 22.4 62.4



#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 9.09 min Scan# 1075

Delta R.T. 0.03 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

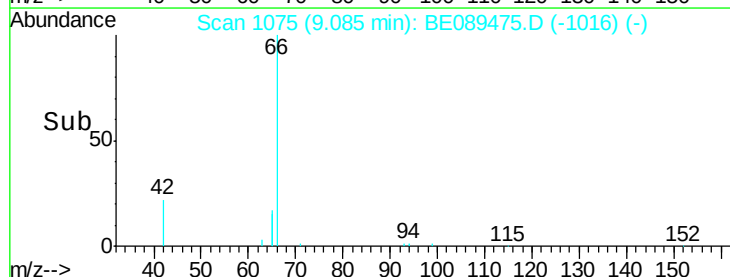
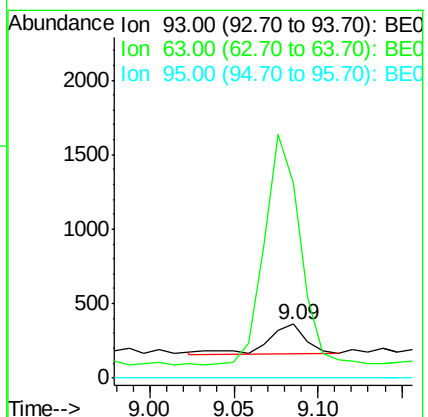
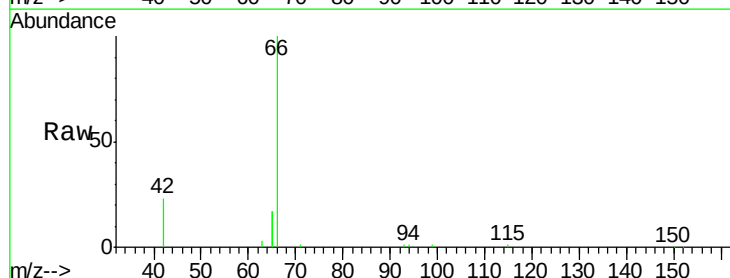
Tgt Ion: 93 Resp: 306

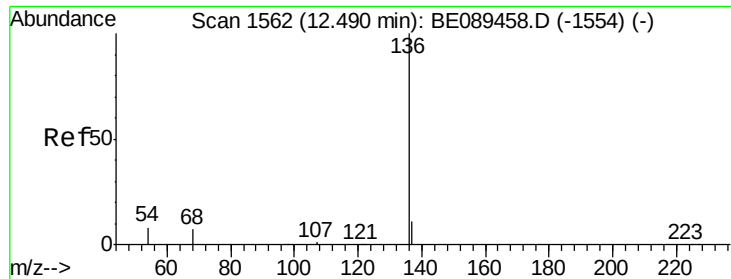
Ion Ratio Lower Upper

93 100

63 754.2 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: BE089475.D

Acq: 3 Feb 2015 4:57

Instrument :

BNA_E

ClientSampleId :

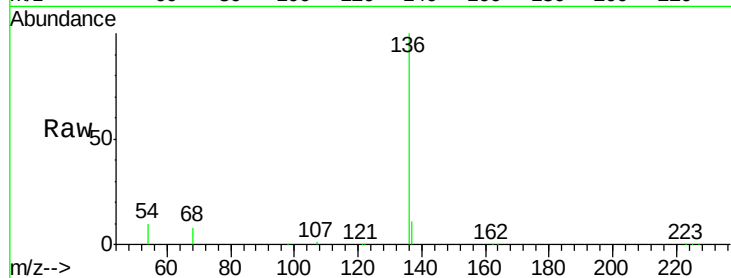
Tgt Ion: 136 Resp: 395238

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

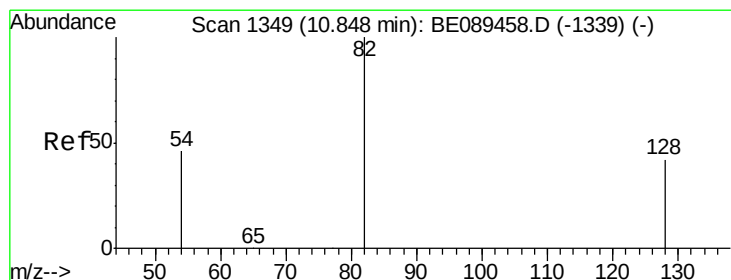
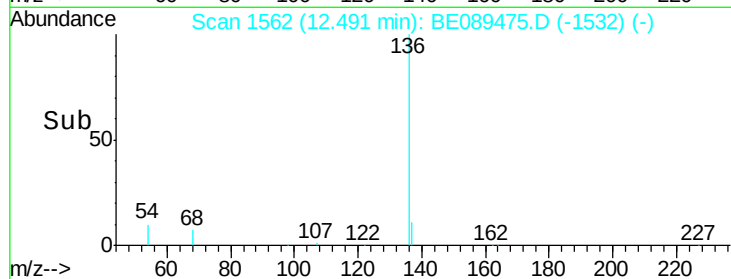
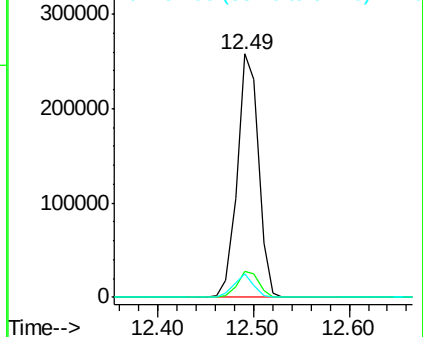
54 9.8 6.5 9.7#



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: 7.07 ng

RT: 10.85 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

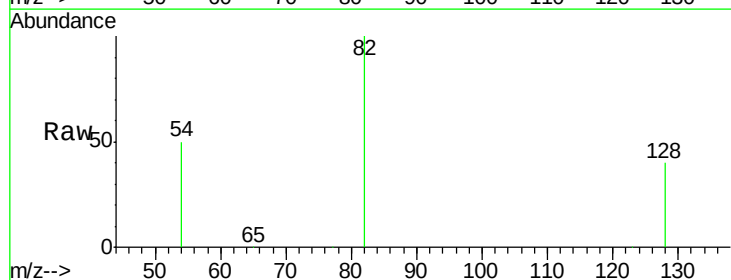
Tgt Ion: 82 Resp: 202984

Ion Ratio Lower Upper

82 100

128 40.2 34.2 51.2

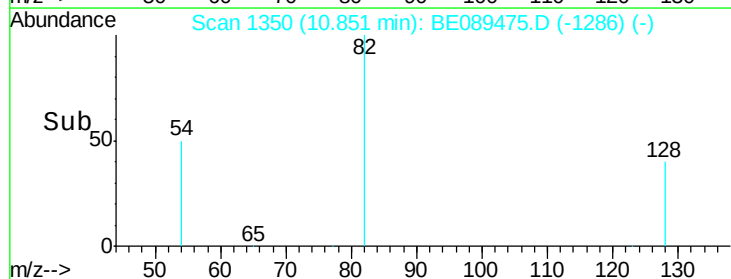
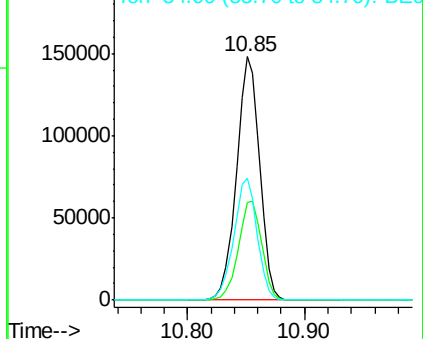
54 50.3 37.3 55.9

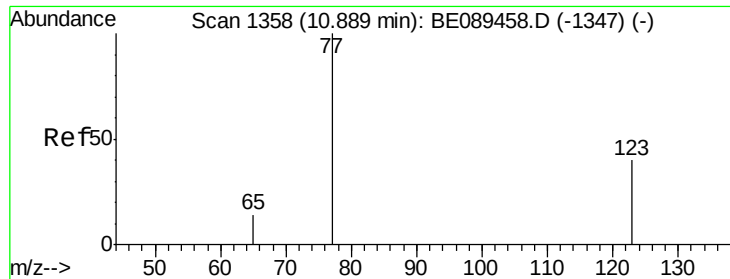


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.02 ng

RT: 10.85 min Scan# 1350

Delta R.T. -0.04 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

Instrument :

BNA_E

ClientSampleId :

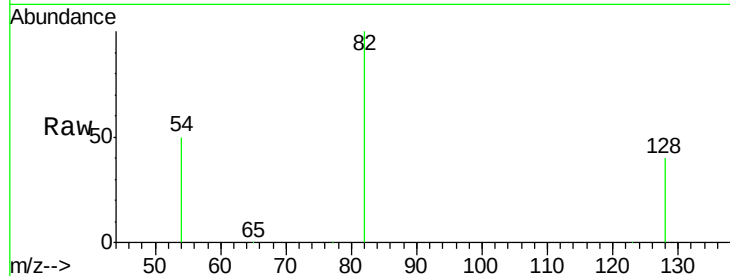
Tgt Ion: 77 Resp: 769

Ion Ratio Lower Upper

77 100

123 0.0 33.6 50.4#

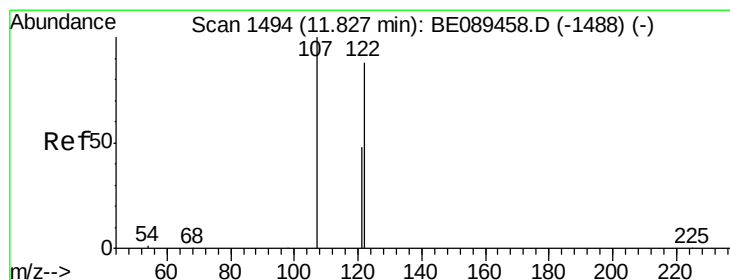
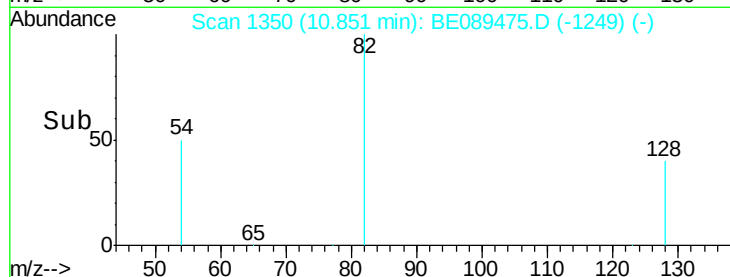
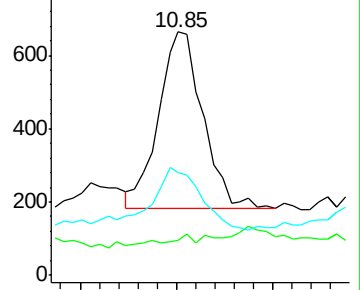
65 34.9 11.0 16.6#



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: 0.02 ng

RT: 11.85 min Scan# 1496

Delta R.T. 0.02 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

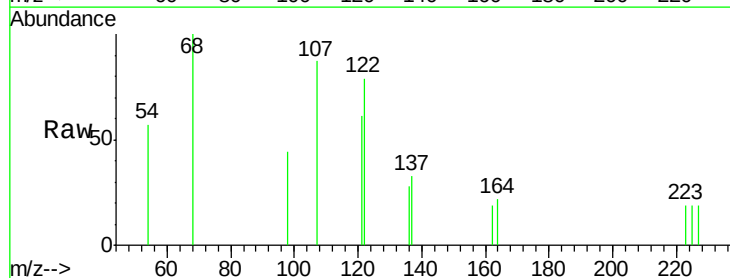
Tgt Ion: 122 Resp: 508

Ion Ratio Lower Upper

122 100

107 109.4 90.6 136.0

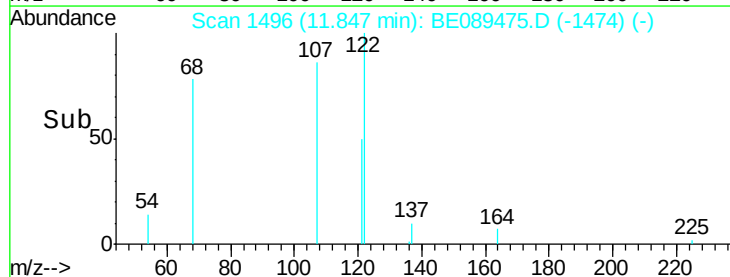
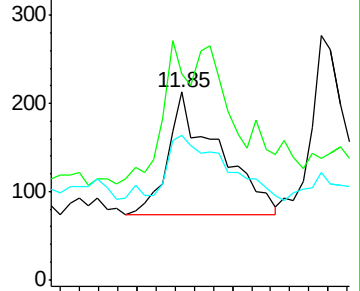
121 77.0 43.7 65.5#

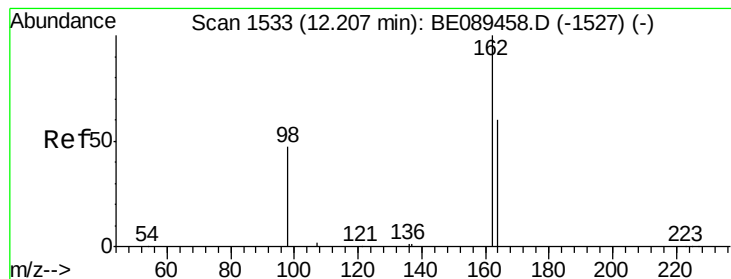


Abundance Ion 122.00 (121.70 to 122.70): BE0

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: 12.23 min Scan# 1535

Delta R.T. 0.02 min

Lab File: BE089475.D

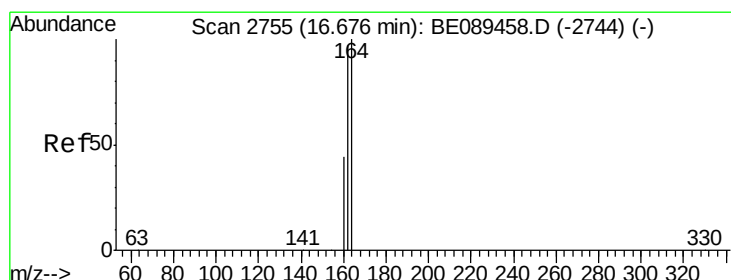
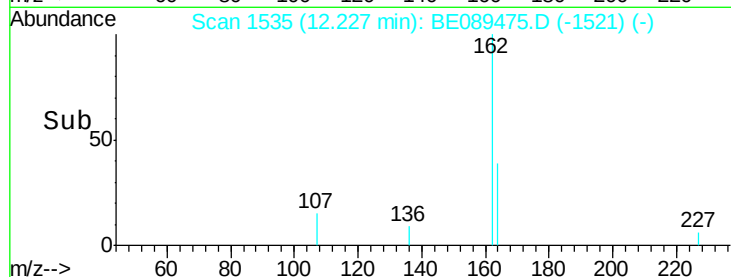
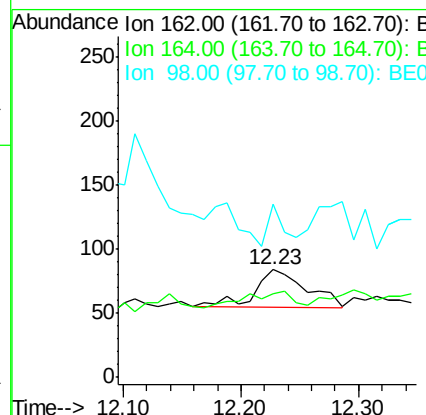
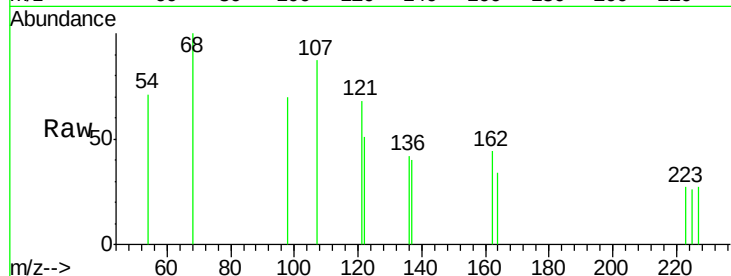
Acq: 3 Feb 2015 4:57

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	162	Resp:	90
Ion	Ratio	Lower	Upper
162	100		
164	77.4	40.5	80.5
98	160.7	28.1	68.1#



#13

Acenaphthene-d10

Concen: 5.00 ng

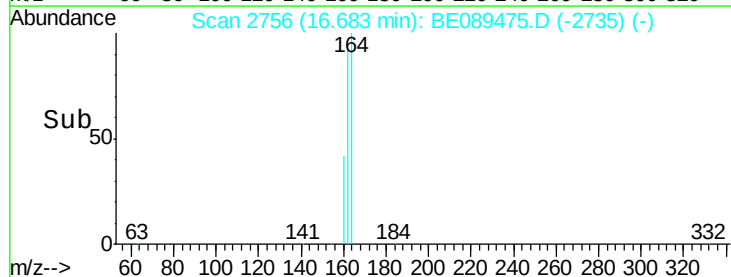
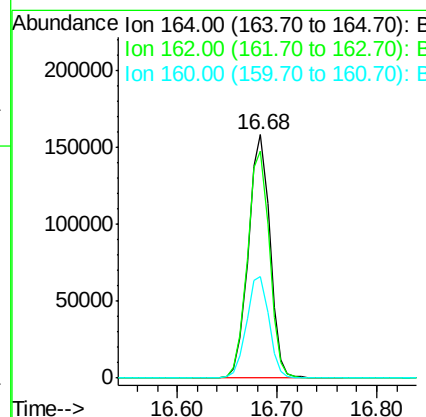
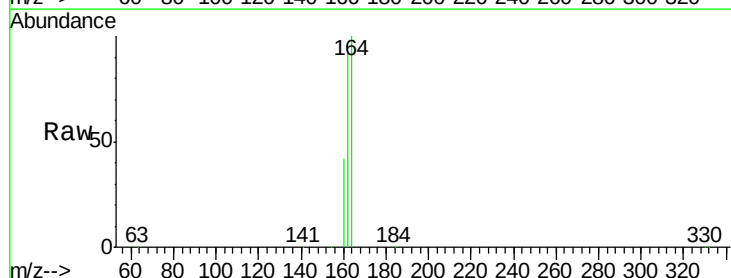
RT: 16.68 min Scan# 2756

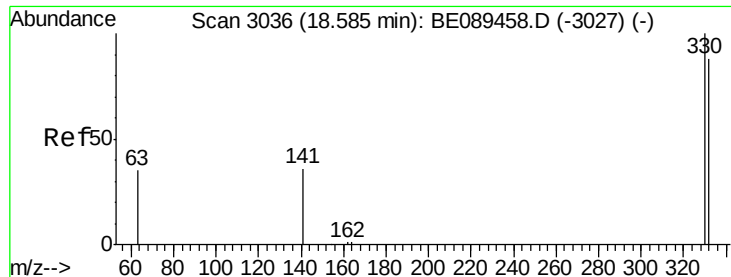
Delta R.T. 0.01 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

Tgt Ion:	164	Resp:	236190
Ion	Ratio	Lower	Upper
164	100		
162	93.2	77.4	116.2
160	41.8	35.5	53.3

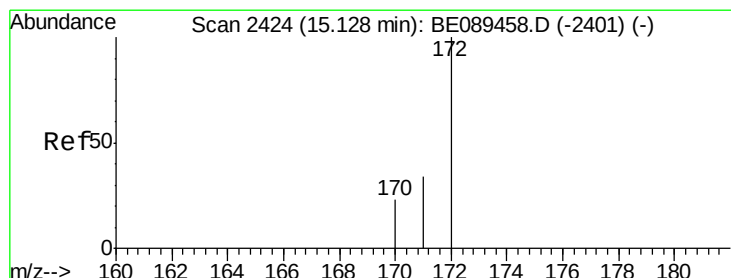
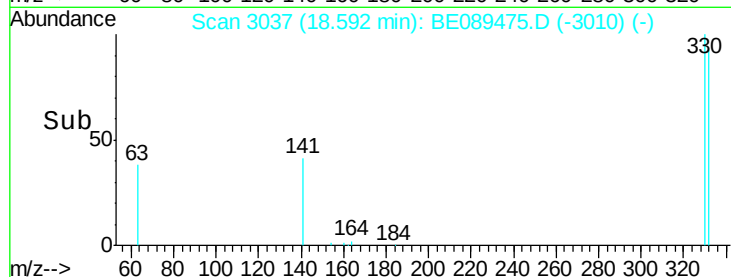
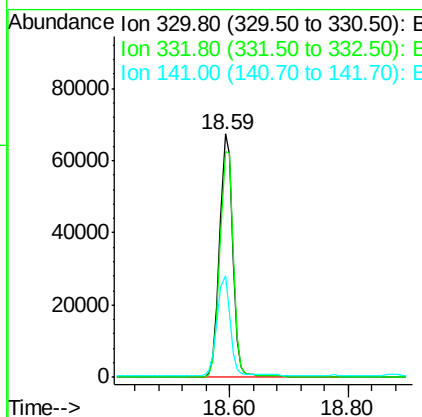
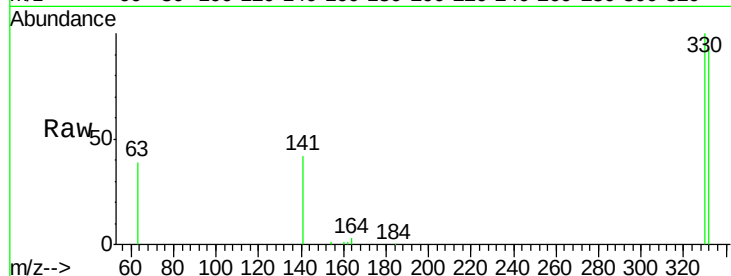




#14
 2,4,6-Tribromophenol
 Concen: 17.30 ng
 RT: 18.59 min Scan# 3037
 Delta R.T. 0.01 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

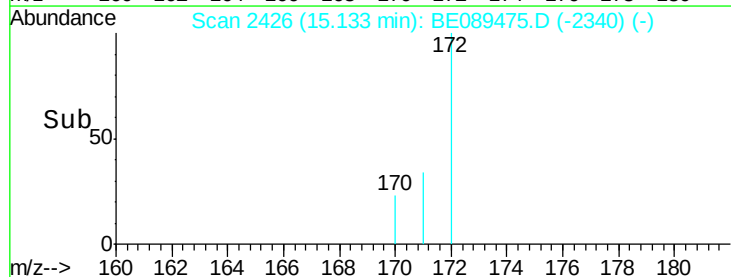
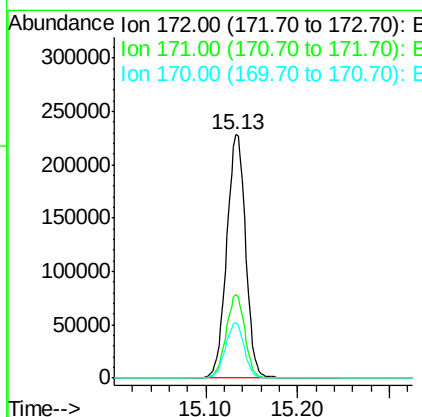
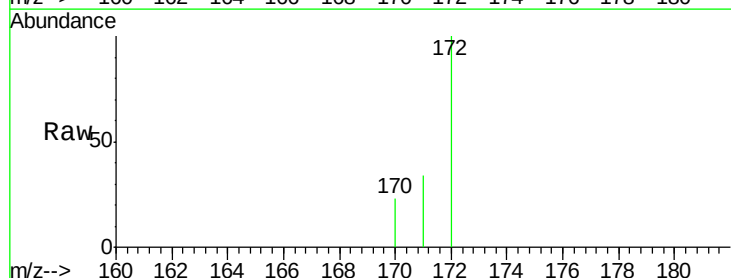
Instrument :
 BNA_E
 ClientSampled :

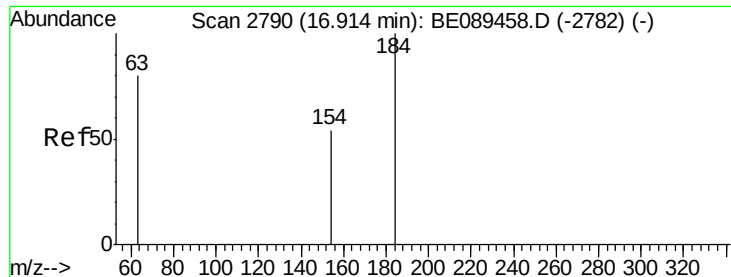
Tgt Ion: 330 Resp: 102980
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.4 113.2
 141 40.6 35.7 53.5



#15
 2-Fluorobiphenyl
 Concen: 4.91 ng
 RT: 15.13 min Scan# 2426
 Delta R.T. 0.00 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

Tgt Ion: 172 Resp: 324548
 Ion Ratio Lower Upper
 172 100
 171 34.4 27.7 41.5
 170 22.8 18.3 27.5

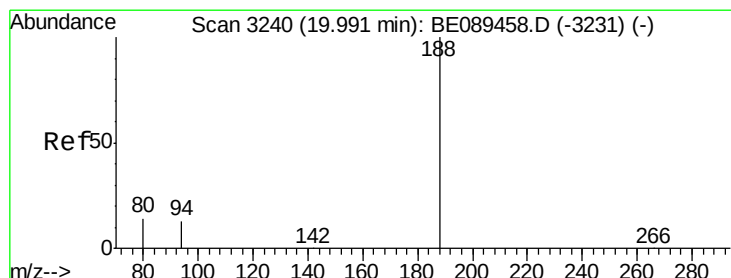
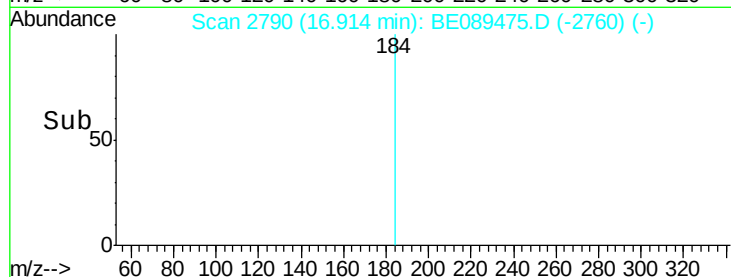
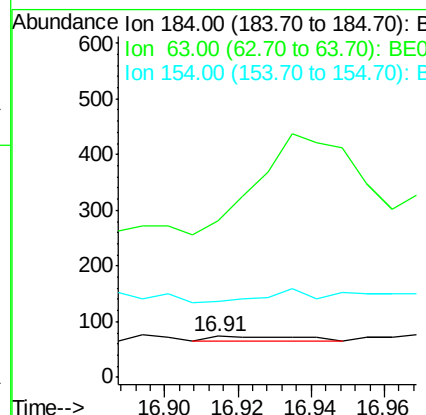
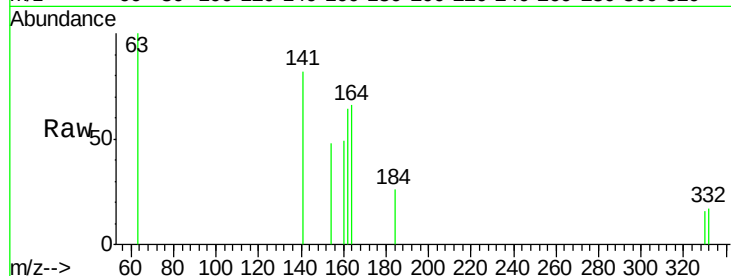




#16
2,4-Dinitrophenol
Concen: Below Cal
RT: 16.91 min Scan# 2790
Delta R.T. 0.00 min
Lab File: BE089475.D
Acq: 3 Feb 2015 4:57

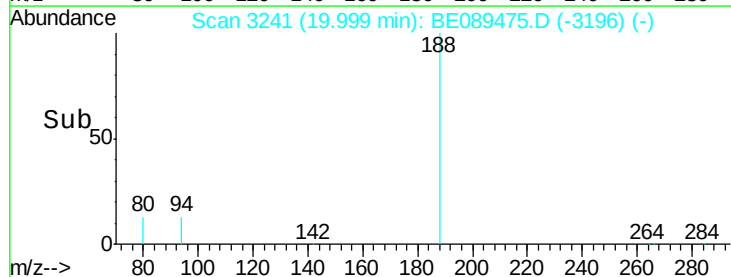
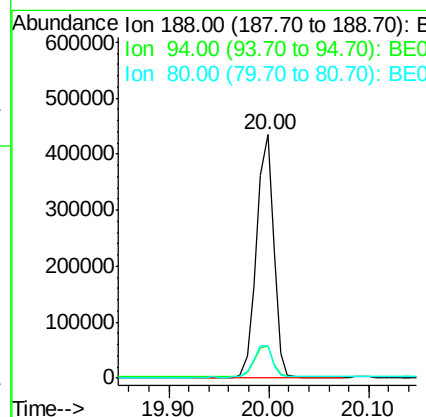
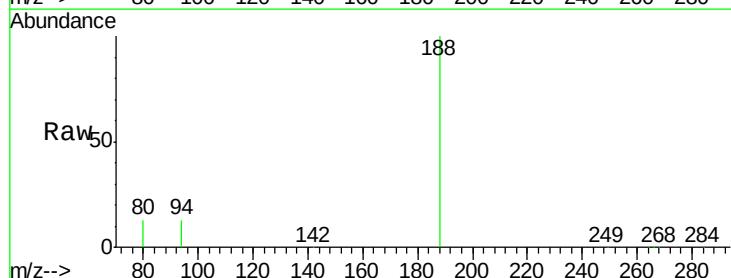
Instrument :
BNA_E
ClientSampleId :

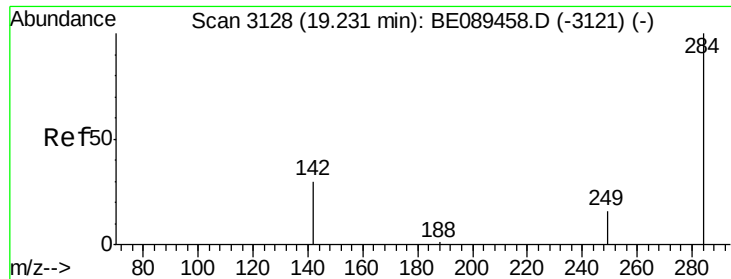
Tgt Ion:184 Resp: 14
Ion Ratio Lower Upper
184 100
63 381.1 77.0 115.6#
154 183.8 54.0 81.0#



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 20.00 min Scan# 3241
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 4:57

Tgt Ion:188 Resp: 523447
Ion Ratio Lower Upper
188 100
94 13.2 10.2 15.4
80 13.3 10.9 16.3

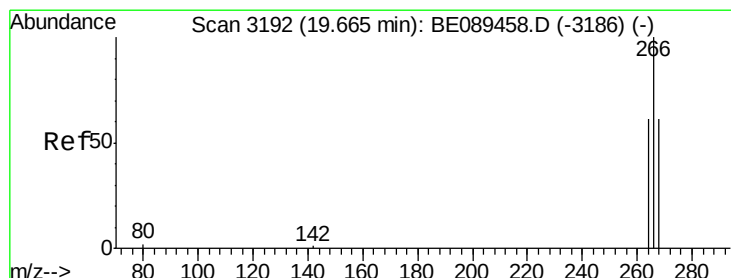
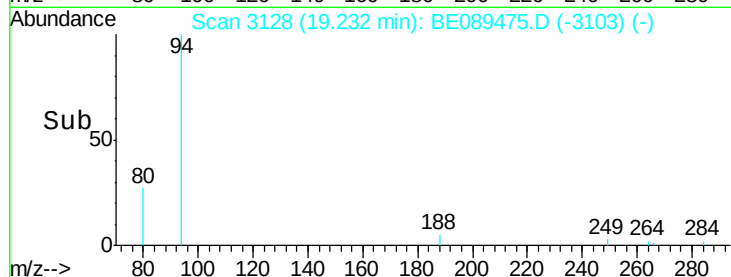
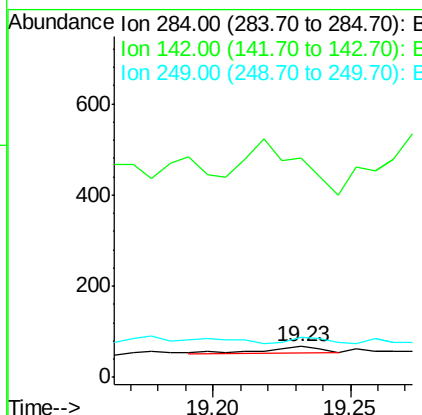
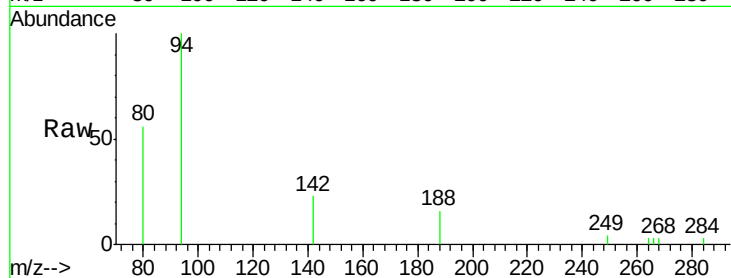




#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.23 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BE089475.D
Acq: 3 Feb 2015 4:57

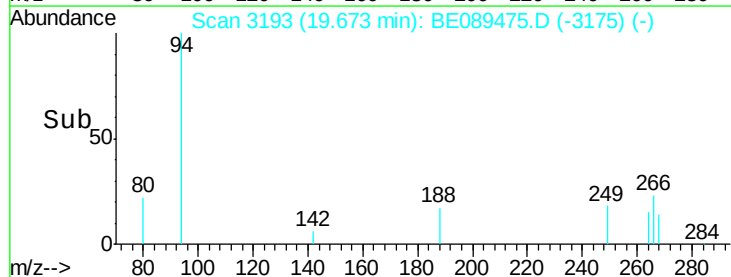
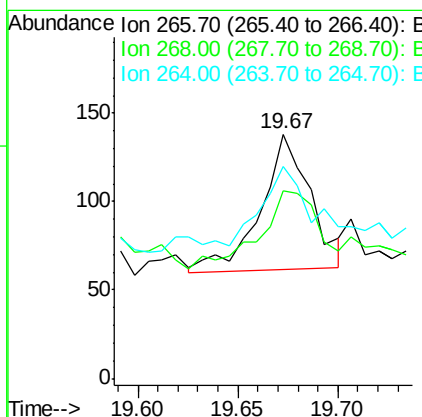
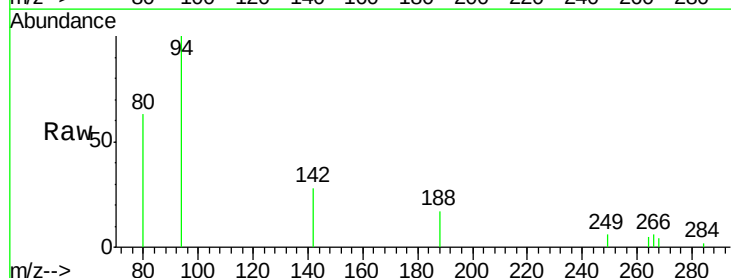
Instrument :
BNA_E
ClientSampleId :

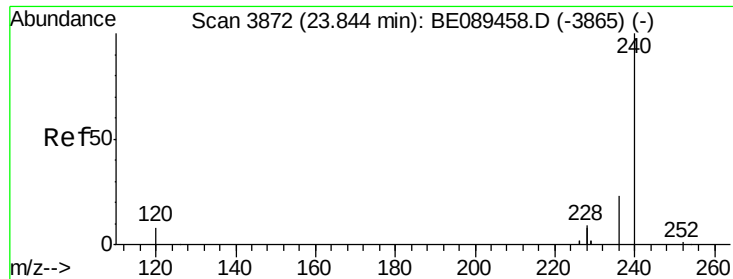
Tgt Ion:284 Resp: 22
Ion Ratio Lower Upper
284 100
142 716.4 31.8 47.8#
249 132.8 23.5 35.3#



#19
Pentachlorophenol
Concen: 0.12 ng
RT: 19.67 min Scan# 3193
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 4:57

Tgt Ion:266 Resp: 131
Ion Ratio Lower Upper
266 100
268 76.8 52.6 78.8
264 87.0 52.2 78.2#





#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.86 min Scan# 3875

Delta R.T. 0.02 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

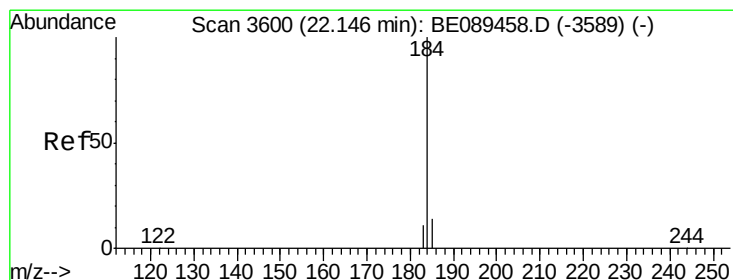
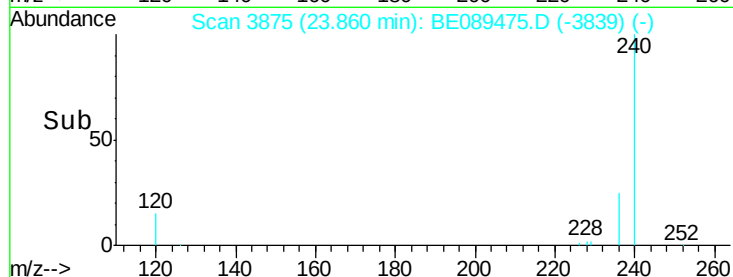
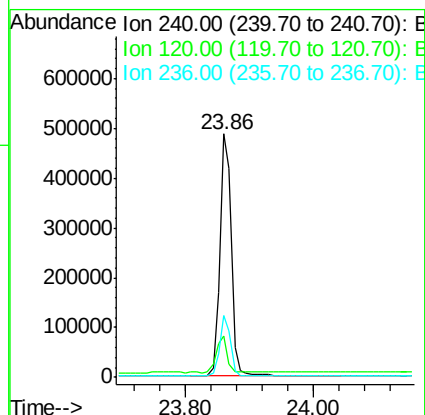
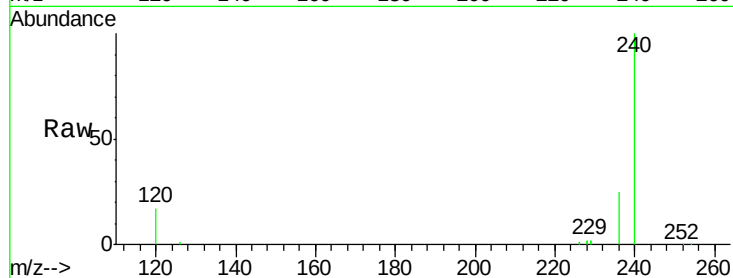
Instrument :

BNA_E

ClientSampleId :

Tgt Ion:240 Resp: 610612

Ion	Ratio	Lower	Upper
240	100		
120	17.2	6.2	9.4#
236	25.2	18.2	27.4



#21

Benzidine

Concen: 0.32 ng

RT: 22.12 min Scan# 3595

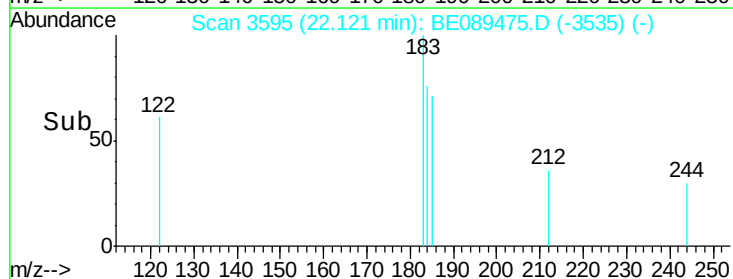
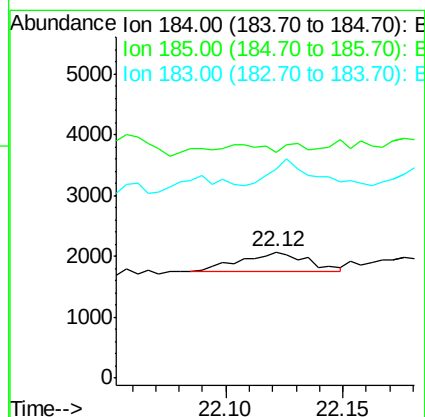
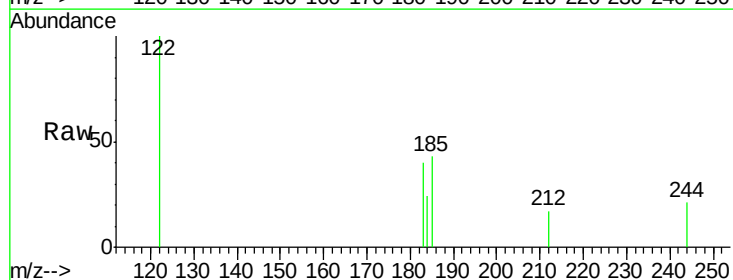
Delta R.T. -0.02 min

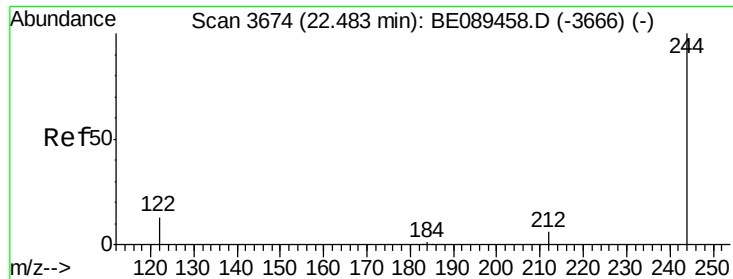
Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

Tgt Ion:184 Resp: 647

Ion	Ratio	Lower	Upper
184	100		
185	178.9	11.7	17.5#
183	165.5	9.4	14.0#

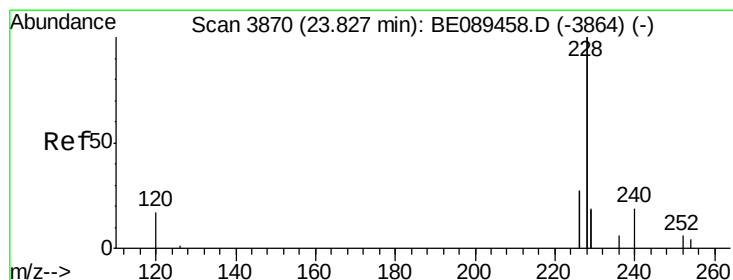
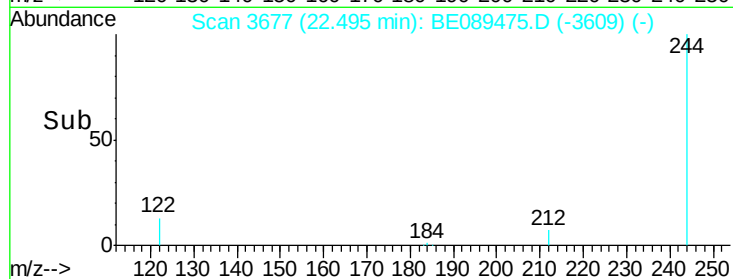
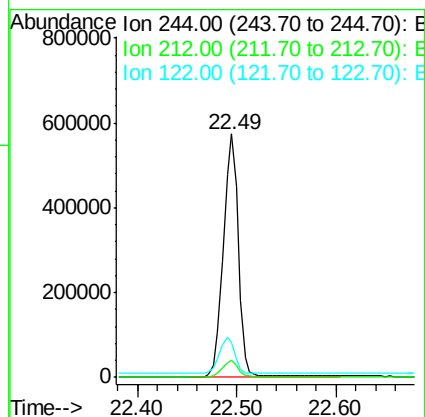
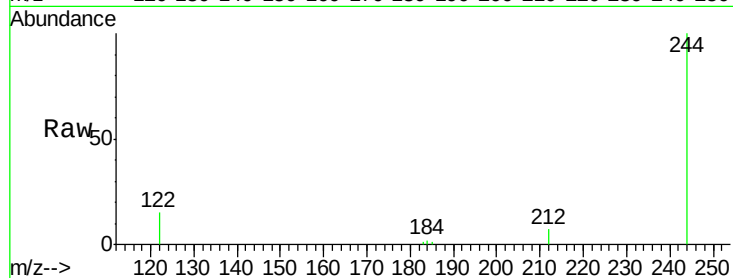




#22
 Terphenyl-d14
 Concen: 8.57 ng
 RT: 22.49 min Scan# 3677
 Delta R.T. 0.01 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

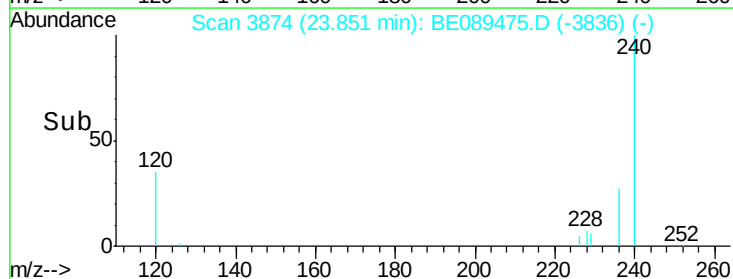
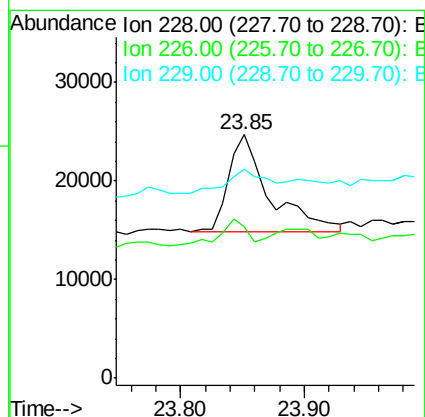
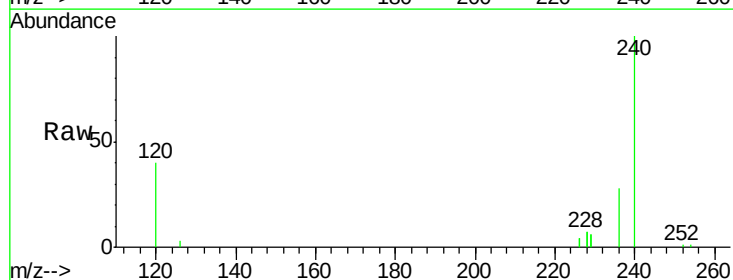
Instrument :
 BNA_E
 ClientSampleId :

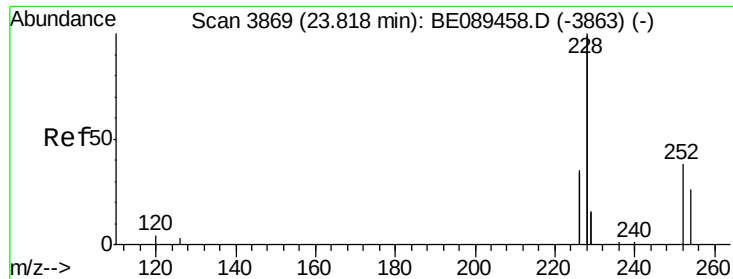
Tgt Ion:244 Resp: 591722
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.3 7.9
 122 14.5 10.5 15.7



#23
 Benzo(a)anthracene
 Concen: 0.05 ng
 RT: 23.85 min Scan# 3874
 Delta R.T. 0.02 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

Tgt Ion:228 Resp: 22494
 Ion Ratio Lower Upper
 228 100
 226 62.1 21.7 32.5#
 229 85.8 14.8 22.2#

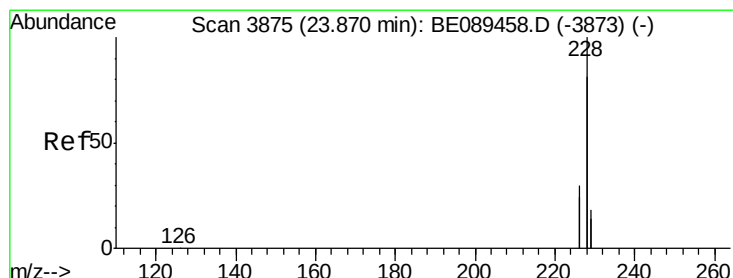
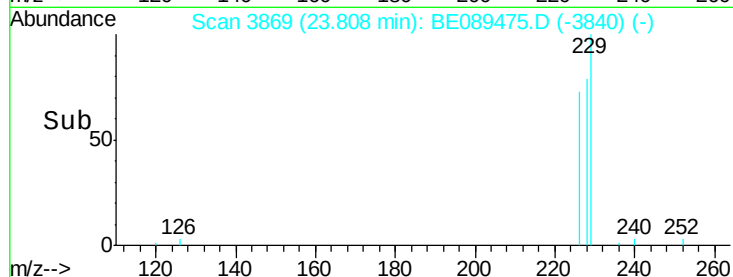
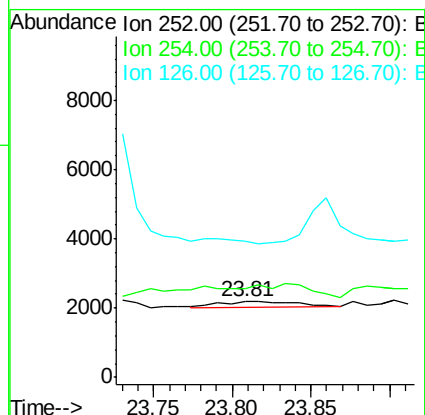
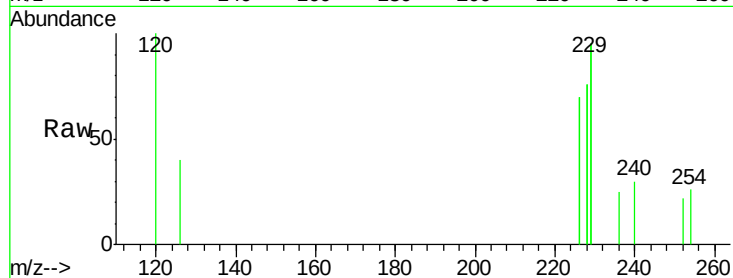




#24
 3,3'-Dichlorobenzidine
 Concen: 0.20 ng
 RT: 23.81 min Scan# 3869
 Delta R.T. -0.01 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

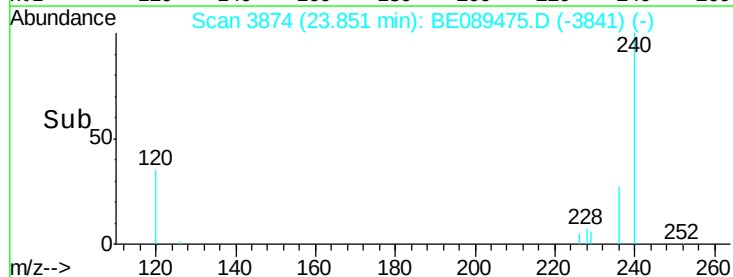
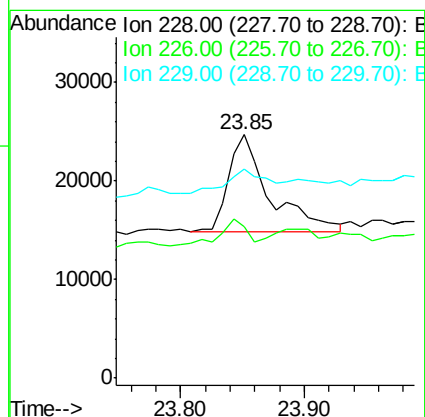
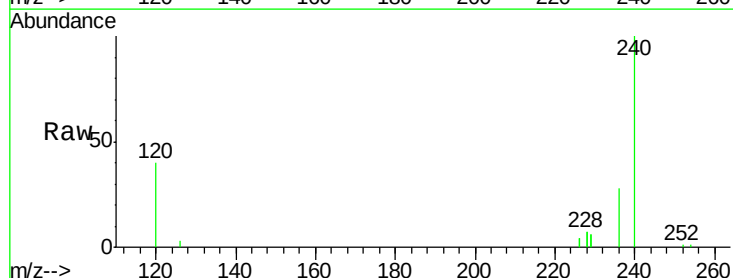
Instrument :
 BNA_E
 ClientSampleId :

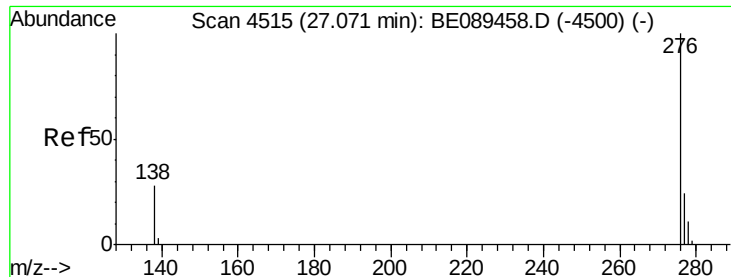
Tgt Ion: 252 Resp: 511
 Ion Ratio Lower Upper
 252 100
 254 116.4 54.6 82.0#
 126 178.8 8.0 12.0#



#25
 Chrysene
 Concen: 0.04 ng
 RT: 23.85 min Scan# 3874
 Delta R.T. -0.02 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

Tgt Ion: 228 Resp: 22494
 Ion Ratio Lower Upper
 228 100
 226 62.1 23.8 35.8#
 229 85.8 14.3 21.5#

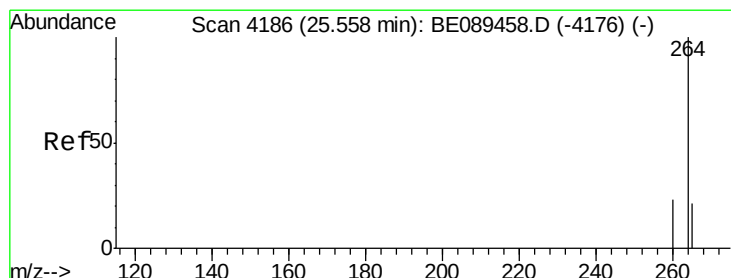
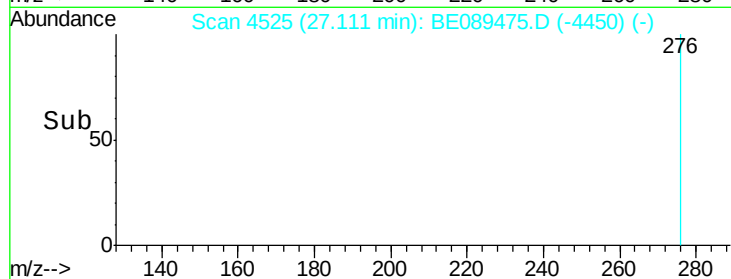
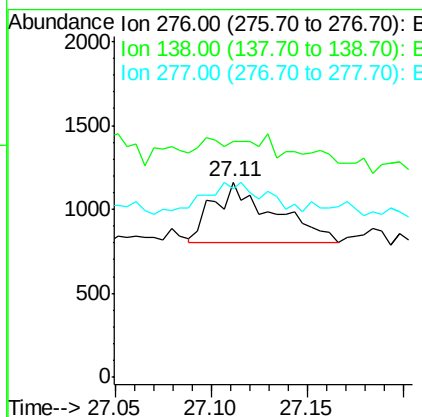
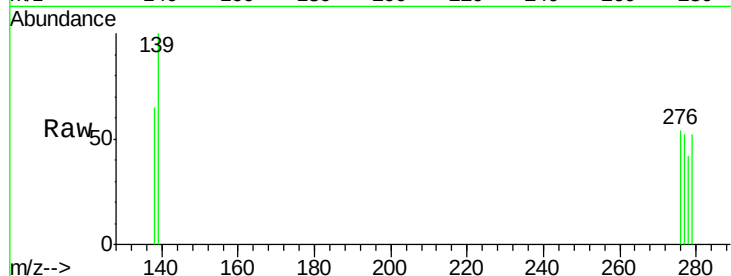




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.22 ng
 RT: 27.11 min Scan# 4525
 Delta R.T. 0.04 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

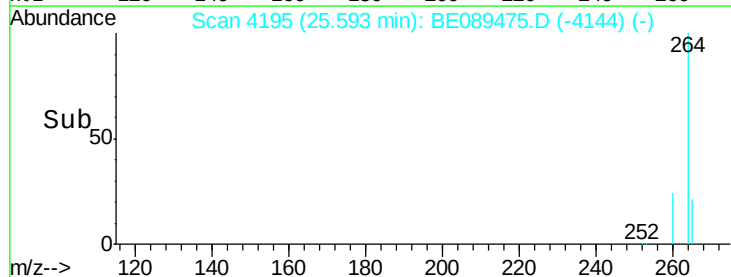
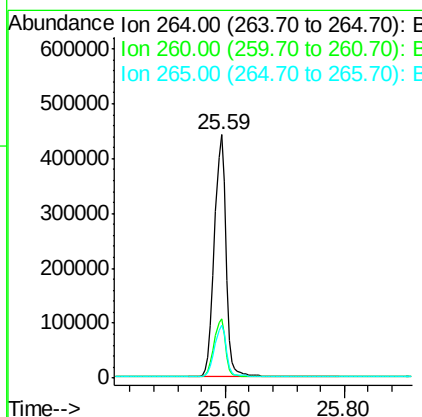
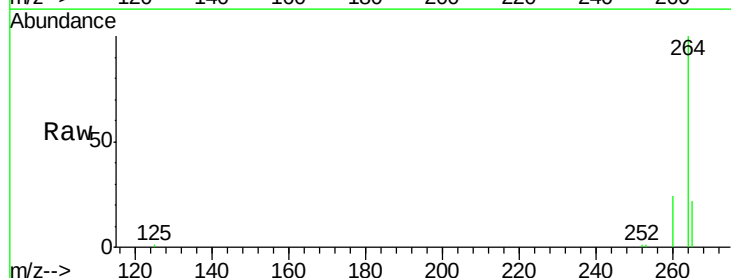
Instrument :
 BNA_E
 ClientSampleId :

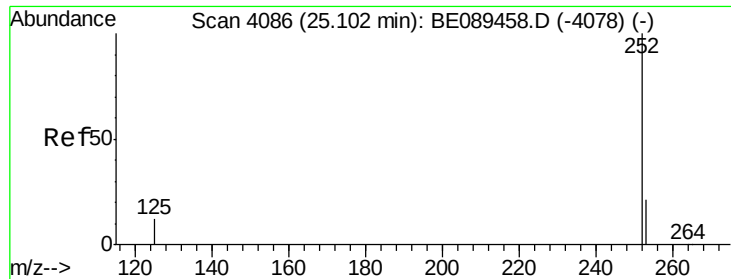
Tgt Ion: 276 Resp: 791
 Ion Ratio Lower Upper
 276 100
 138 8.1 23.3 34.9#
 277 44.6 19.0 28.4#



#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.59 min Scan# 4195
 Delta R.T. 0.04 min
 Lab File: BE089475.D
 Acq: 3 Feb 2015 4:57

Tgt Ion: 264 Resp: 596120
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.7 28.1
 265 21.8 17.0 25.6





#28

Benzo(b)fluoranthene

Concen: 0.26 ng

RT: 25.12 min Scan# 4092

Delta R.T. 0.02 min

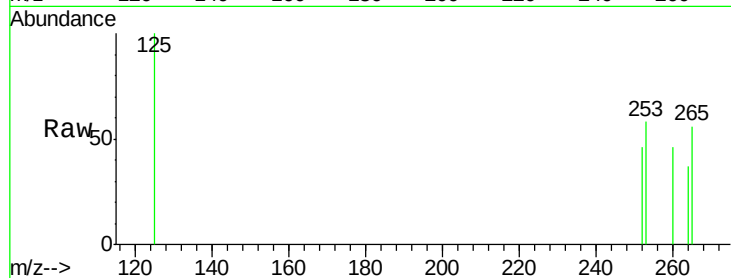
Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

Instrument :

BNA_E

ClientSampleId :



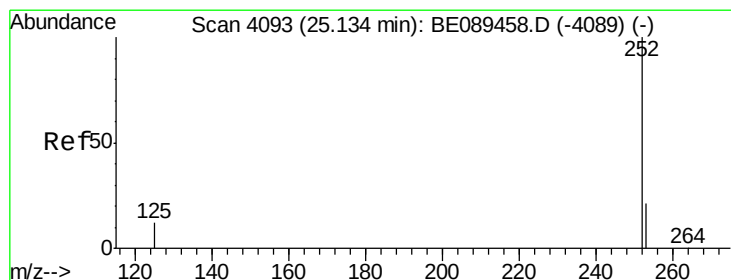
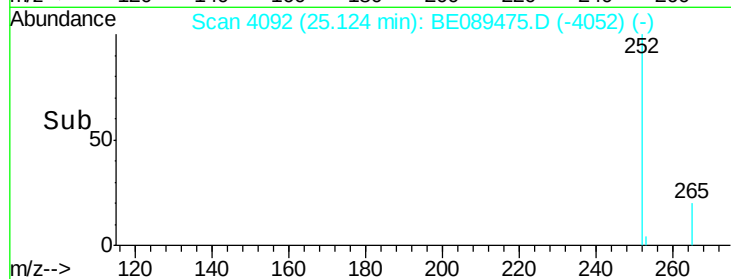
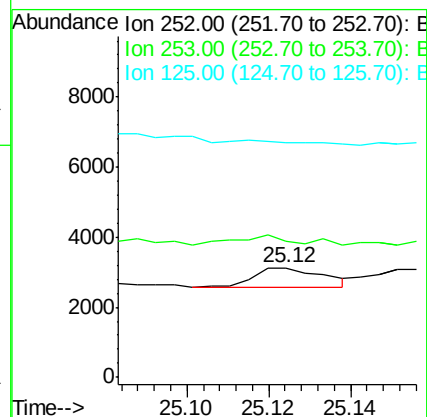
Tgt Ion:252 Resp: 676

Ion Ratio Lower Upper

252 100

253 125.1 17.4 26.0#

125 215.1 10.4 15.6#



#29

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 25.16 min Scan# 4099

Delta R.T. 0.02 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

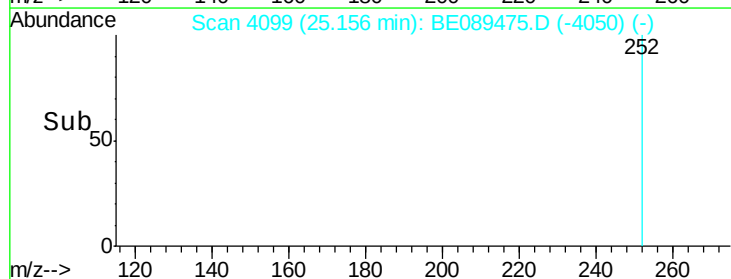
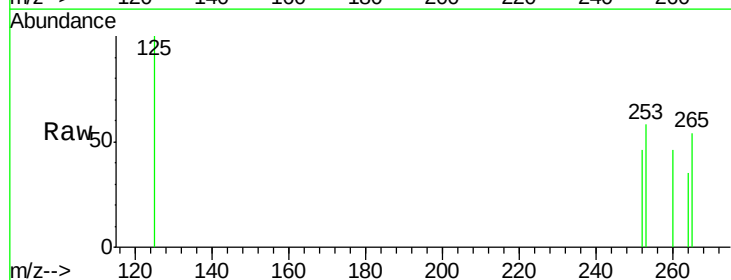
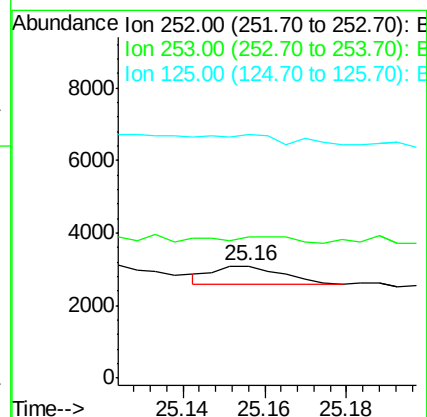
Tgt Ion:252 Resp: 567

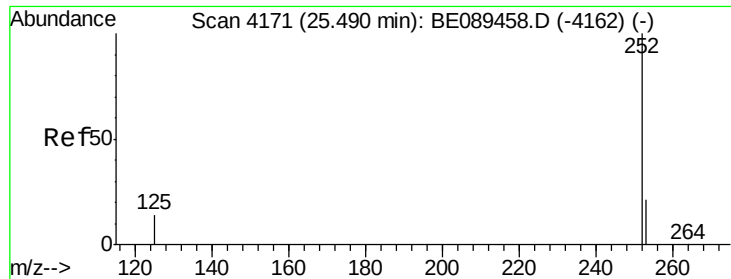
Ion Ratio Lower Upper

252 100

253 126.1 17.5 26.3#

125 217.3 10.3 15.5#





#30

Benzo(a)pyrene

Concen: 0.23 ng

RT: 25.52 min Scan# 4178

Delta R.T. 0.03 min

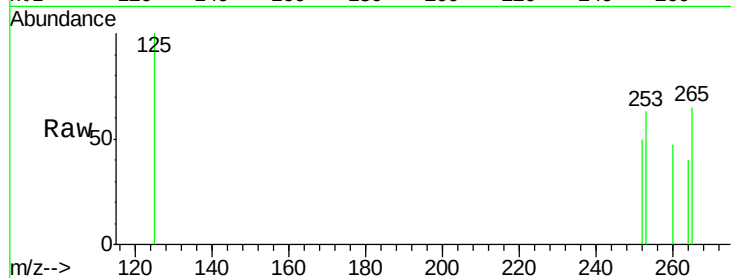
Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

Instrument :

BNA_E

ClientSampleId :



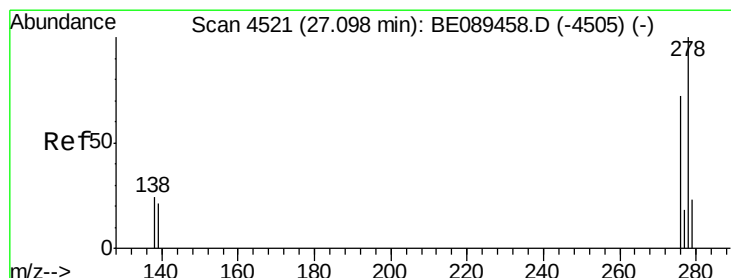
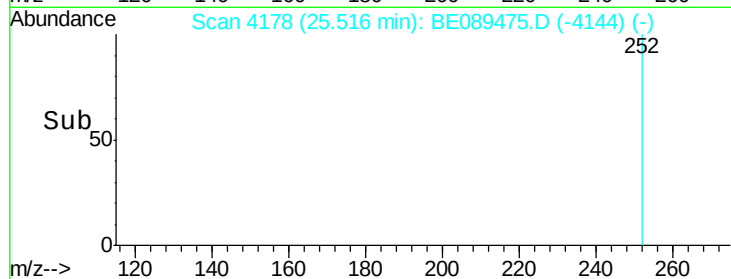
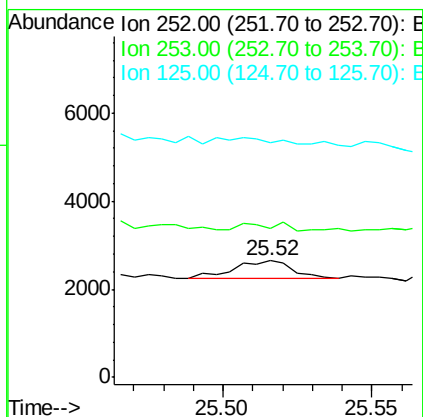
Tgt Ion: 252 Resp: 550

Ion Ratio Lower Upper

252 100

253 127.2 17.5 26.3#

125 200.8 11.8 17.8#



#31

Dibenzo(a,h)anthracene

Concen: 0.22 ng

RT: 27.15 min Scan# 4533

Delta R.T. 0.05 min

Lab File: BE089475.D

Acq: 3 Feb 2015 4:57

Tgt Ion: 278 Resp: 918

Ion Ratio Lower Upper

278 100

139 197.9 17.1 25.7#

279 103.3 18.8 28.2#

