

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089473.D
 Acq On : 3 Feb 2015 3:40
 Operator : TP/IZ
 Sample : G1110-10
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 05:05:22 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	80136	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	265826	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	132635	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	320942	5.00	ng	0.00
20) Chrysene-d12	23.84	240	484842	5.00	ng	0.00
27) Perylene-d12	25.57	264	565550	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.75	112	85537	3.19	ng	0.00
4) Phenol-d6	8.88	99	57019	1.82	ng	0.00
8) Nitrobenzene-d5	10.85	82	155567	8.05	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	78419	23.45	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	228179	6.15	ng	0.00
22) Terphenyl-d14	22.49	244	547015	9.98	ng	0.00

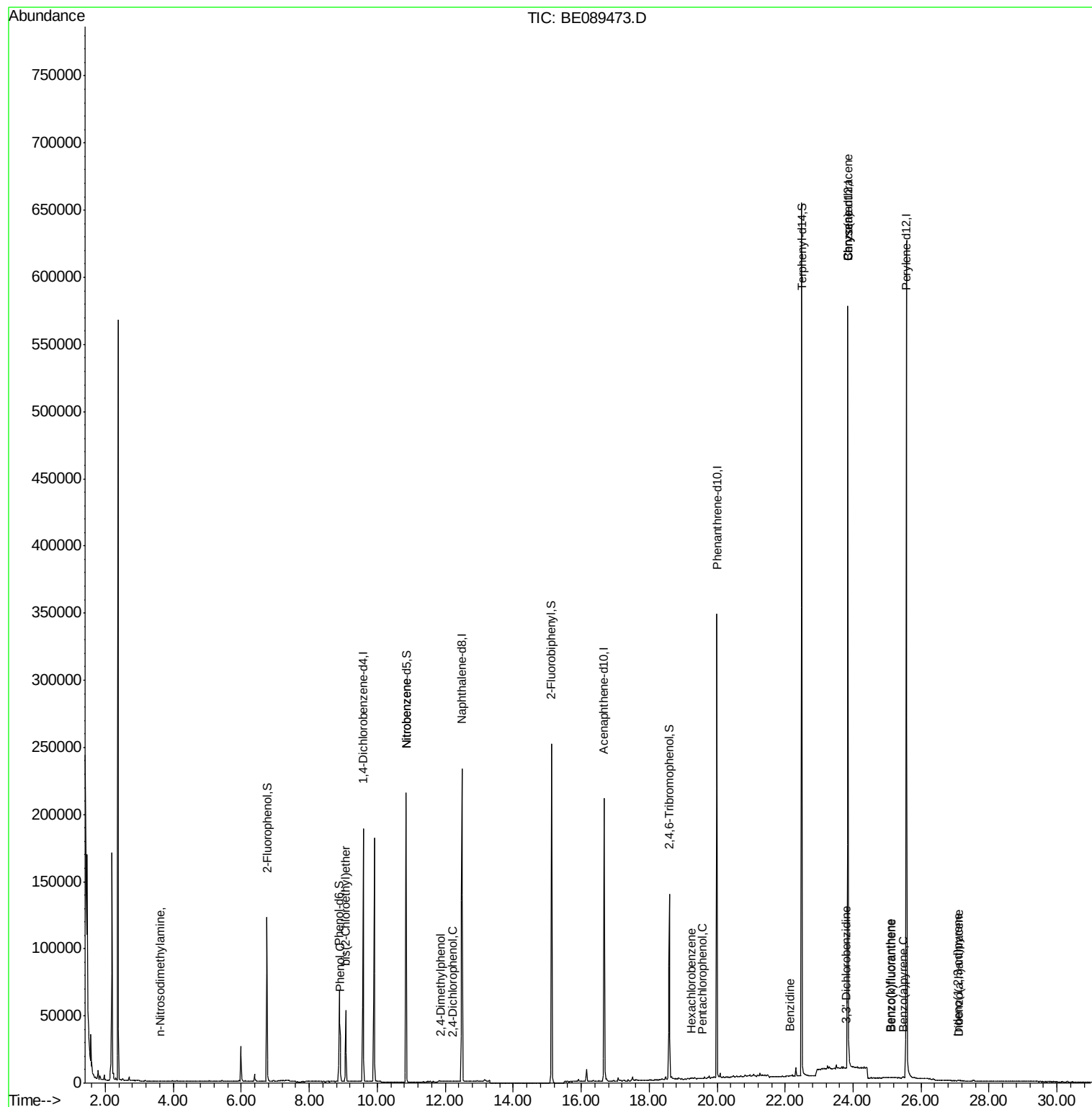
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.61	42	31	0.11	ng	# 1
5) Phenol	8.91	94	17200	0.51	ng	96
6) bis(2-Chloroethyl)ether	9.08	93	300	0.01	ng	# 1
9) Nitrobenzene	10.85	77	649	0.03	ng	# 33
10) 2,4-Dimethylphenol	11.87	122	299	0.02	ng	95
11) 2,4-Dichlorophenol	12.21	162	19	0.00	ng	# 1
16) 2,4-Dinitrophenol	16.93	184	15	Below Cal		# 1
18) Hexachlorobenzene	19.24	284	26	0.00	ng	# 1
19) Pentachlorophenol	19.58	266	33	0.09	ng	93
21) Benzidine	22.15	184	680	0.33	ng	# 1
23) Benzo(a)anthracene	23.84	228	10028	0.03	ng	# 60
24) 3,3'-Dichlorobenzidine	23.79	252	474	0.20	ng	# 37
25) Chrysene	23.84	228	10028	0.02	ng	# 64
26) Indeno(1,2,3-cd)pyrene	27.07	276	781	0.22	ng	# 69
28) Benzo(b)fluoranthene	25.10	252	550	0.26	ng	# 1
29) Benzo(k)fluoranthene	25.13	252	710	0.01	ng	# 1
30) Benzo(a)pyrene	25.49	252	803	0.24	ng	# 1
31) Dibenzo(a,h)anthracene	27.10	278	519	0.22	ng	# 1

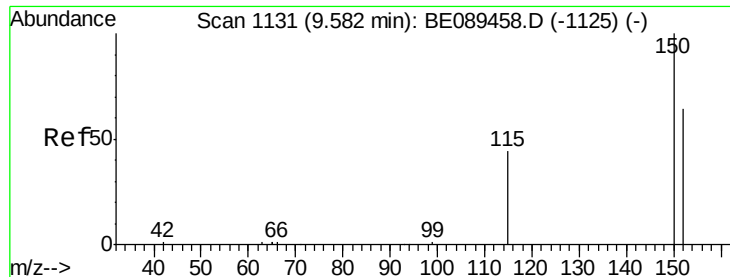
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

Instrument :

BNA_E

ClientSampled :

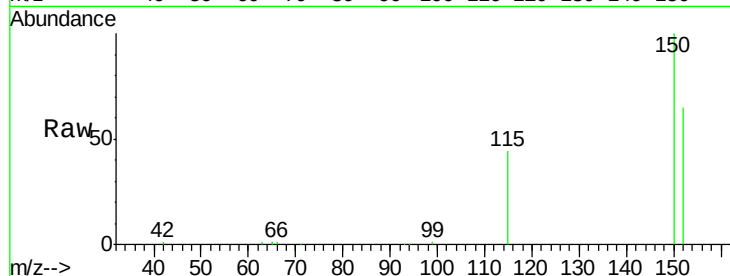
Tgt Ion:152 Resp: 80136

Ion Ratio Lower Upper

152 100

150 154.5 124.6 186.8

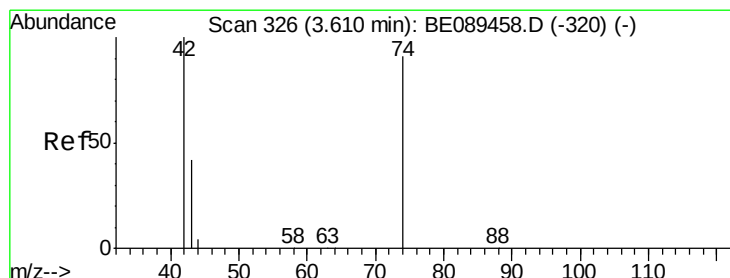
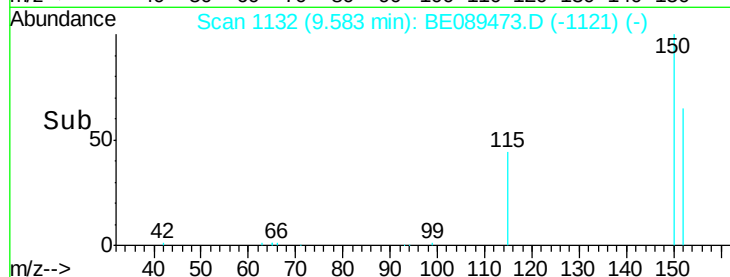
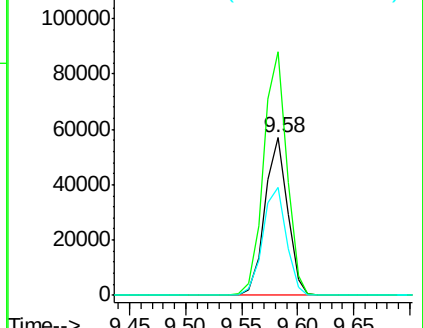
115 68.1 55.4 83.0



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: 3.61 min Scan# 326

Delta R.T. -0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

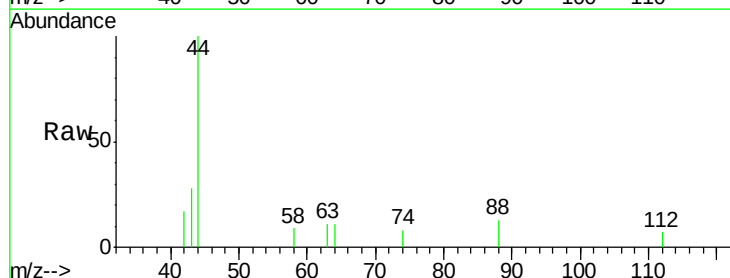
Tgt Ion: 42 Resp: 31

Ion Ratio Lower Upper

42 100

74 50.0 72.1 108.1#

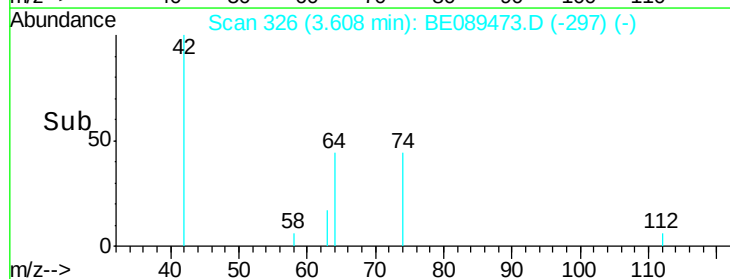
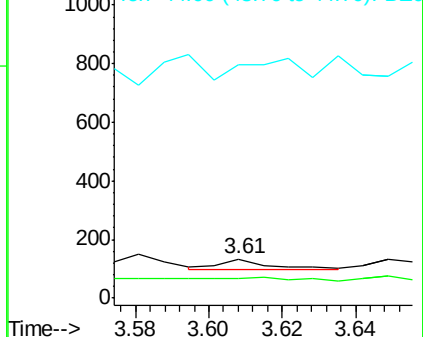
44 595.5 28.0 42.0#

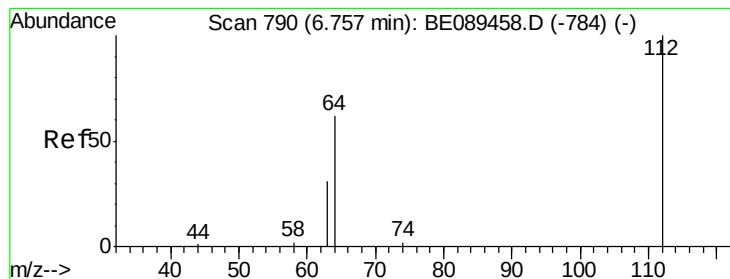


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 3.19 ng

RT: 6.75 min Scan# 790

Delta R.T. -0.00 min

Lab File: BE089473.D

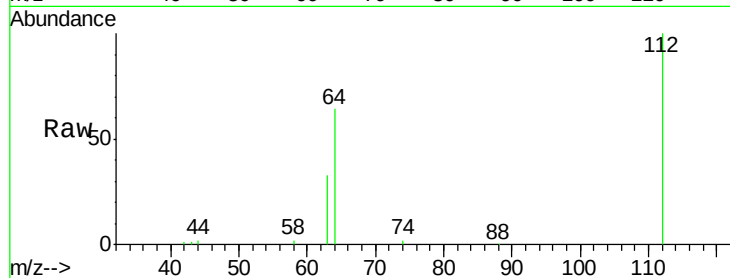
Acq: 3 Feb 2015 3:40

Instrument :

BNA_E

ClientSampleId :

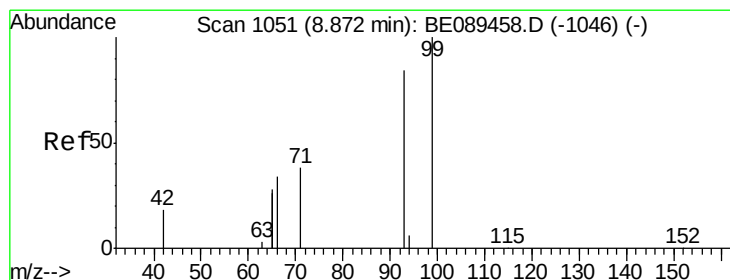
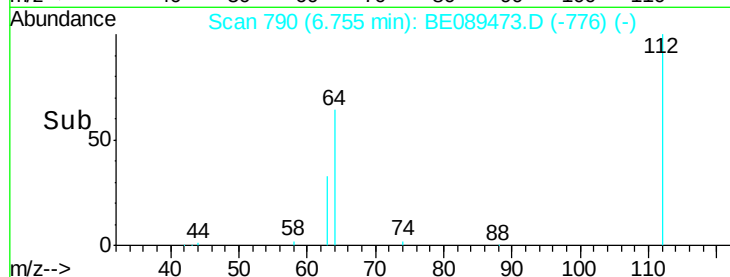
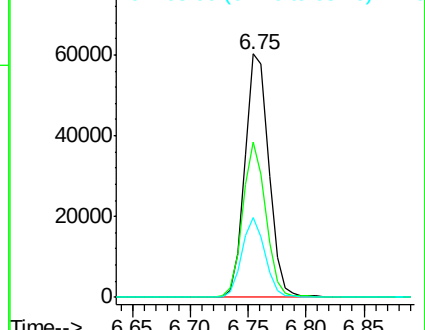
Tgt Ion:	112	Resp:	85537
Ion	Ratio	Lower	Upper
112	100		
64	63.9	49.8	74.8
63	33.0	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#4

Phenol-d6

Concen: 1.82 ng

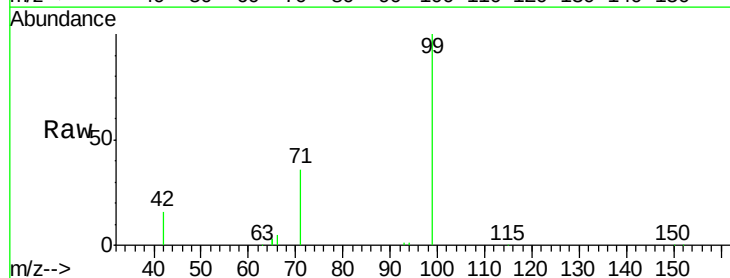
RT: 8.88 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

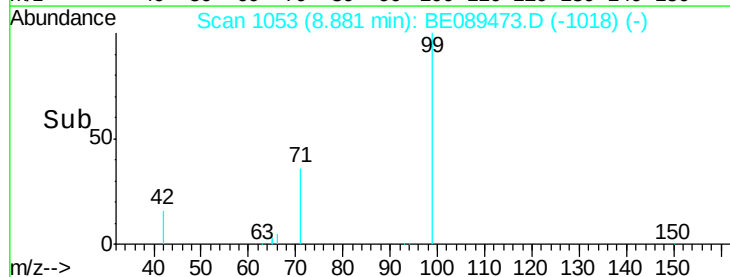
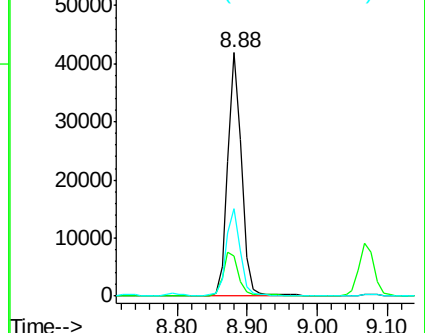
Tgt Ion:	99	Resp:	57019
Ion	Ratio	Lower	Upper
99	100		
42	16.5	15.0	22.4
71	36.1	30.6	46.0

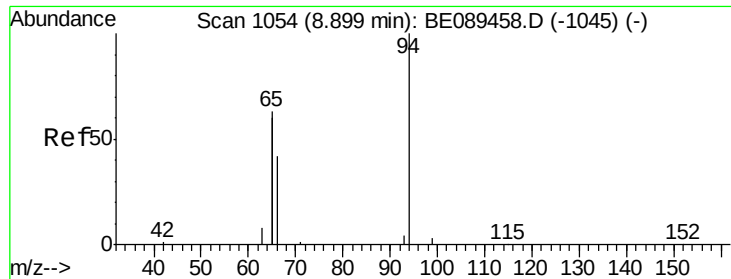


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.51 ng

RT: 8.91 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

Instrument :

BNA_E

ClientSampled :

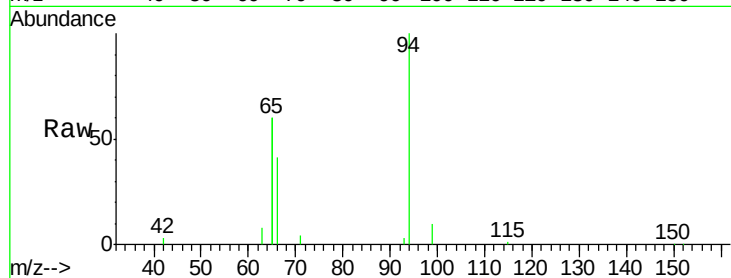
Tgt Ion: 94 Resp: 17200

Ion Ratio Lower Upper

94 100

65 119.9 105.0 145.0

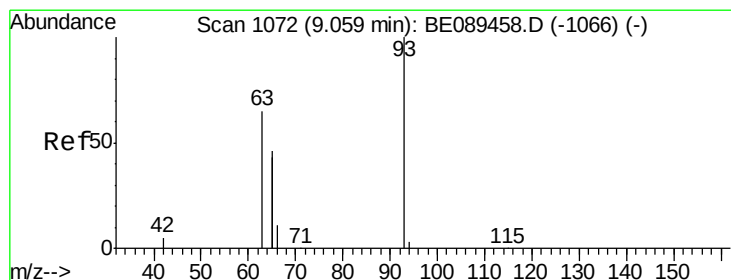
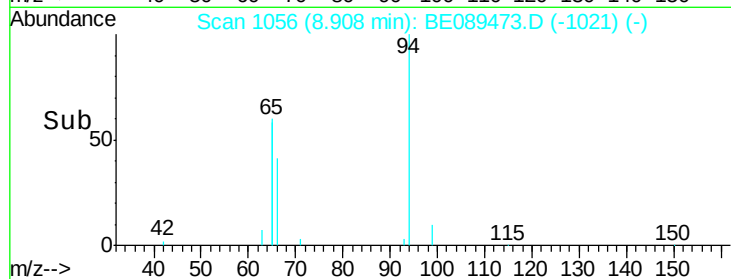
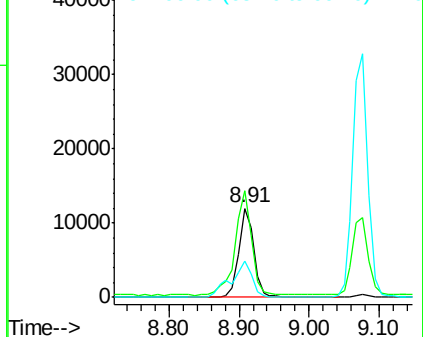
66 41.3 22.4 62.4



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: 0.01 ng

RT: 9.08 min Scan# 1075

Delta R.T. 0.02 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

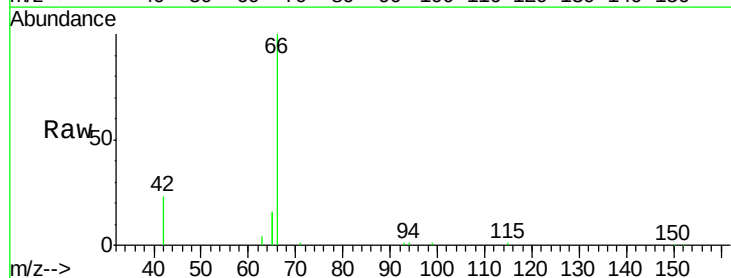
Tgt Ion: 93 Resp: 300

Ion Ratio Lower Upper

93 100

63 653.7 59.2 88.8#

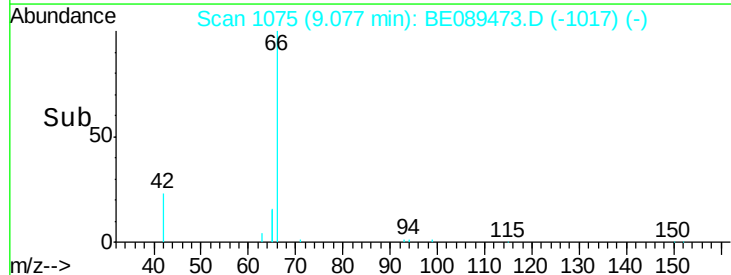
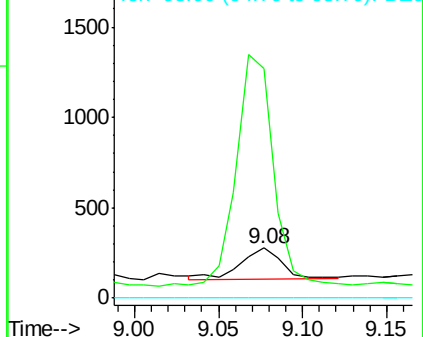
95 0.0 0.0 0.0

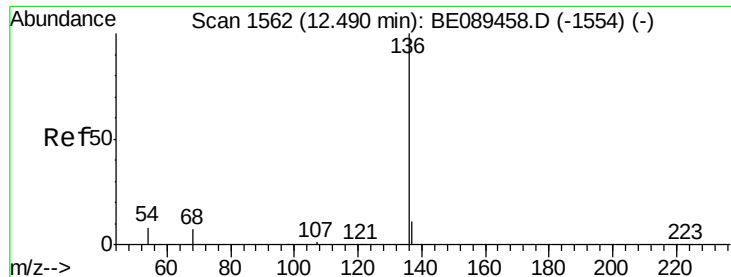


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 12.49 min Scan# 1563

Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

Instrument :

BNA_E

ClientSampleId :

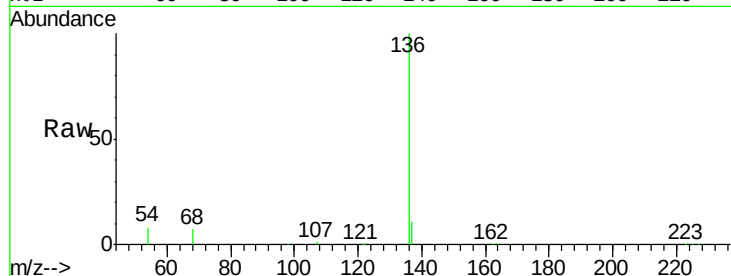
Tgt Ion: 136 Resp: 265826

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

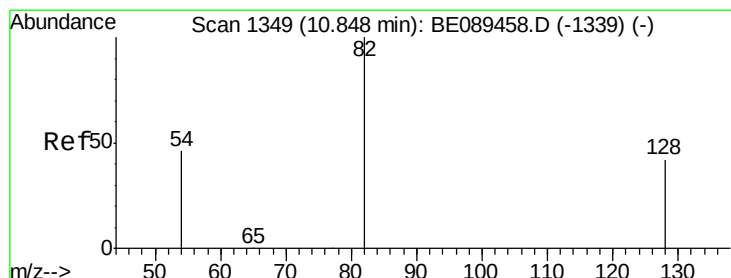
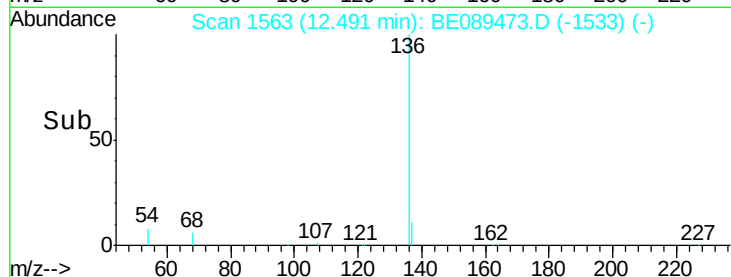
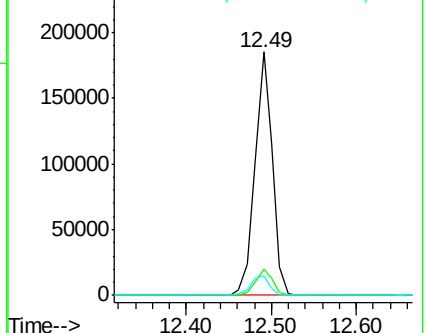
54 8.1 6.5 9.7



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: 8.05 ng

RT: 10.85 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

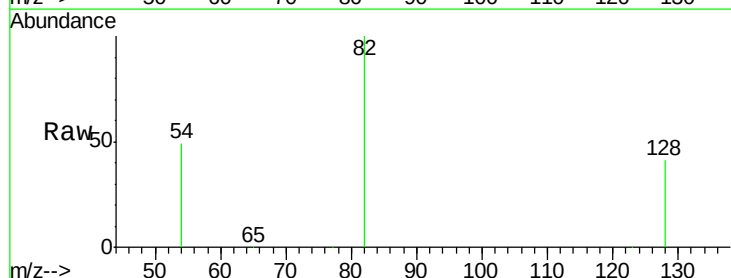
Tgt Ion: 82 Resp: 155567

Ion Ratio Lower Upper

82 100

128 40.9 34.2 51.2

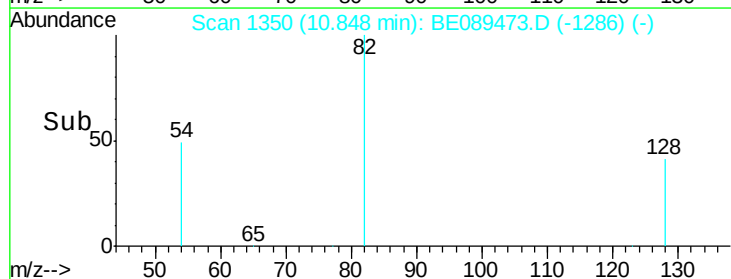
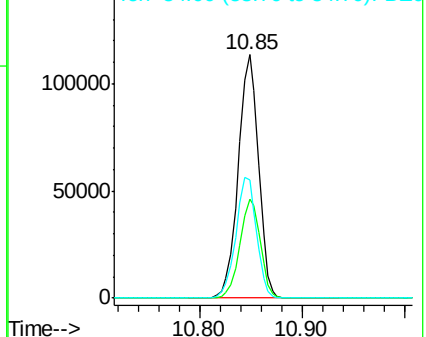
54 48.6 37.3 55.9

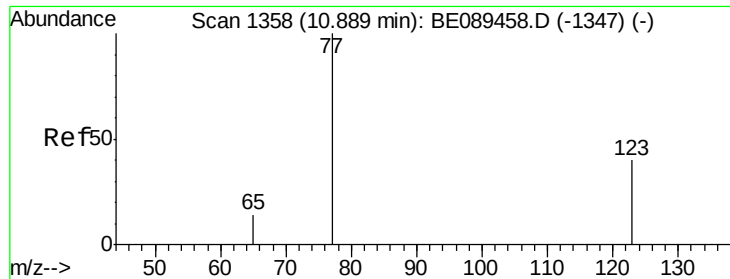


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

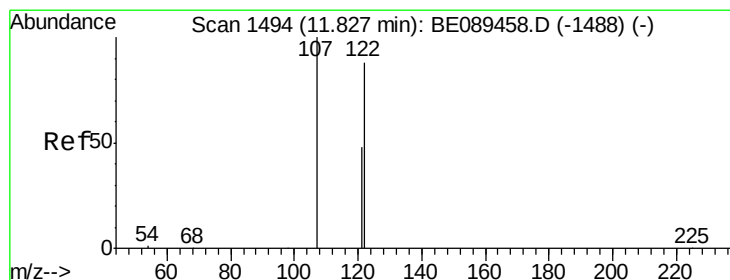
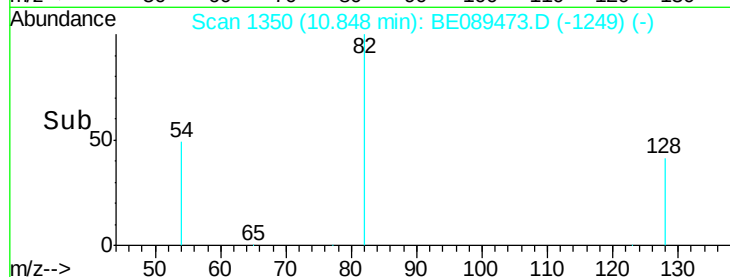
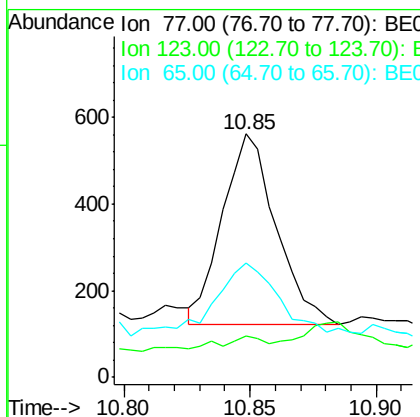
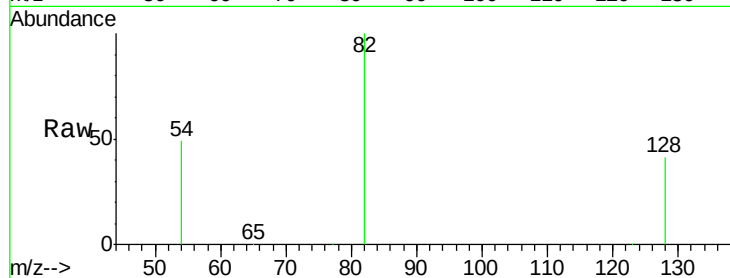




#9
 Nitrobenzene
 Concen: 0.03 ng
 RT: 10.85 min Scan# 1350
 Delta R.T. -0.04 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

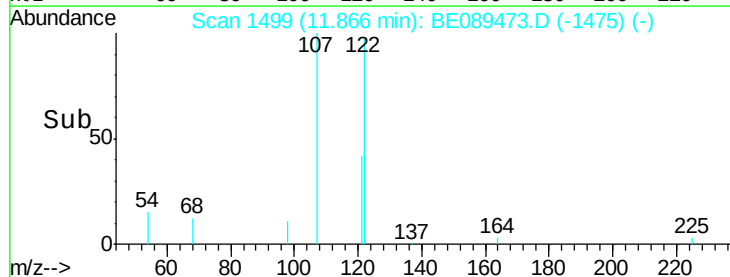
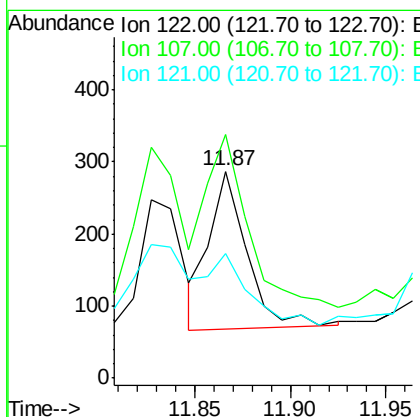
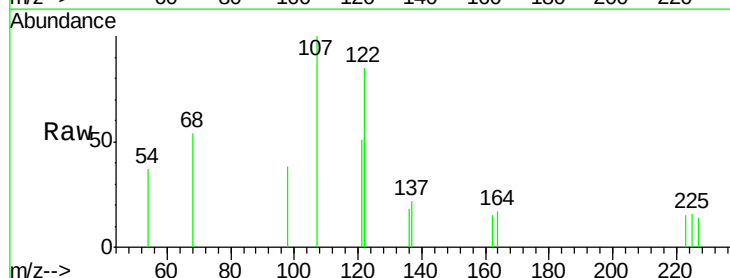
Instrument :
 BNA_E
 ClientSampleId :

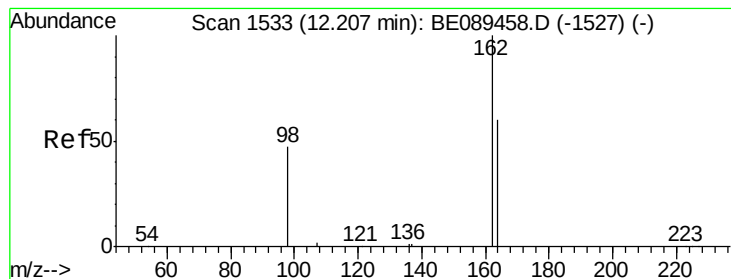
Tgt Ion: 77 Resp: 649
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.6 50.4#
 65 42.1 11.0 16.6#



#10
 2,4-Dimethylphenol
 Concen: 0.02 ng
 RT: 11.87 min Scan# 1499
 Delta R.T. 0.04 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

Tgt Ion: 122 Resp: 299
 Ion Ratio Lower Upper
 122 100
 107 117.8 90.6 136.0
 121 60.3 43.7 65.5





#11

2,4-Dichlorophenol

Concen: 0.00 ng

RT: 12.21 min Scan# 1534

Delta R.T. 0.00 min

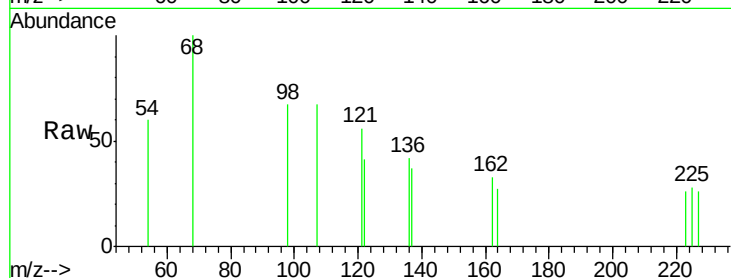
Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

Instrument :

BNA_E

ClientSampleId :



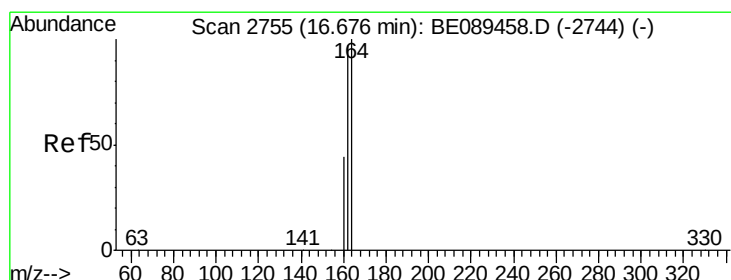
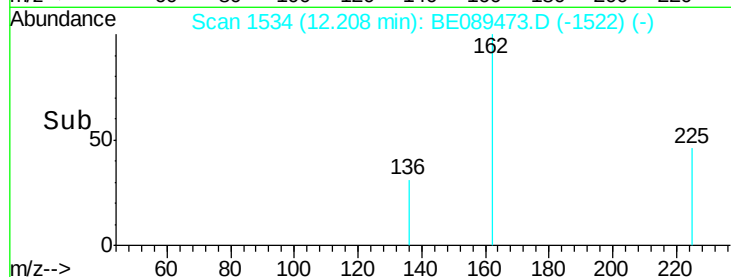
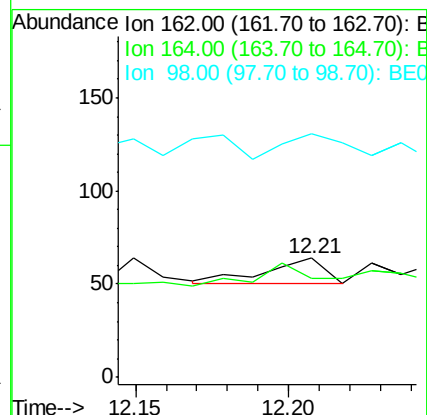
Tgt Ion:162 Resp: 19

Ion Ratio Lower Upper

162 100

164 82.8 40.5 80.5#

98 204.7 28.1 68.1#



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2756

Delta R.T. -0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

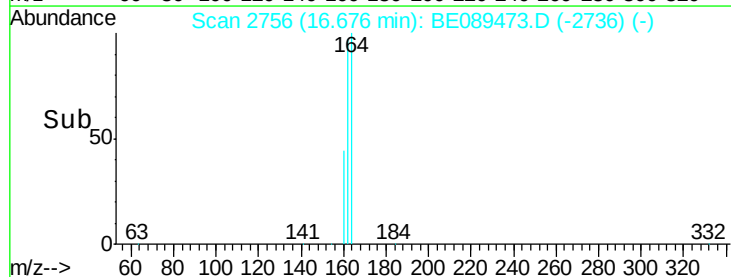
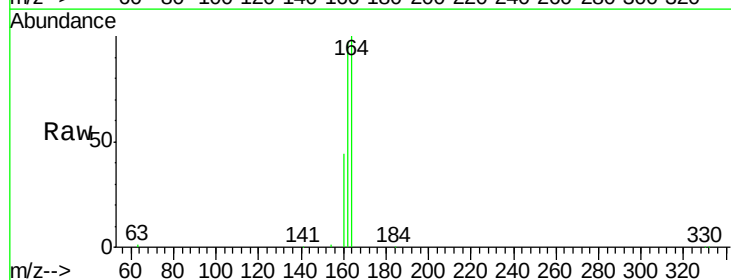
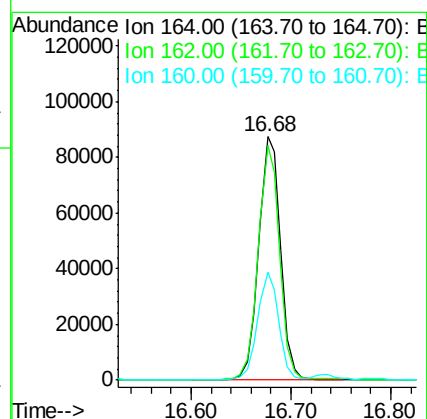
Tgt Ion:164 Resp: 132635

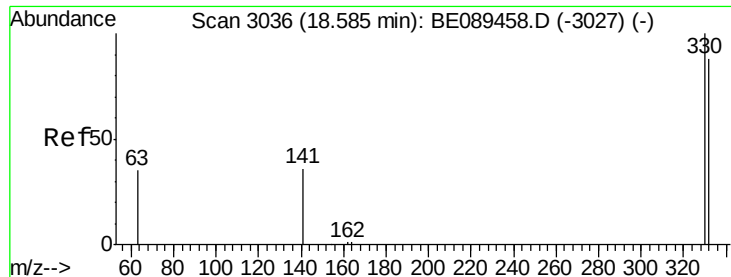
Ion Ratio Lower Upper

164 100

162 96.6 77.4 116.2

160 44.5 35.5 53.3

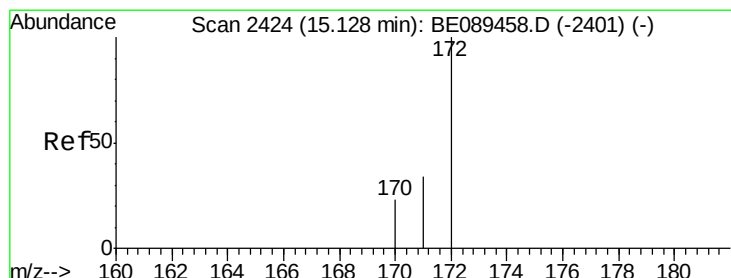
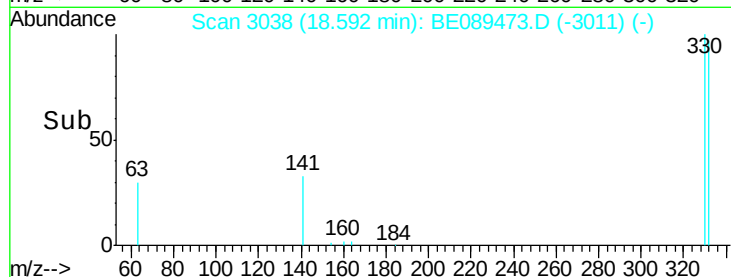
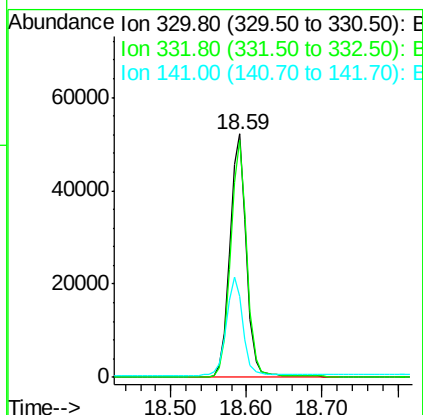
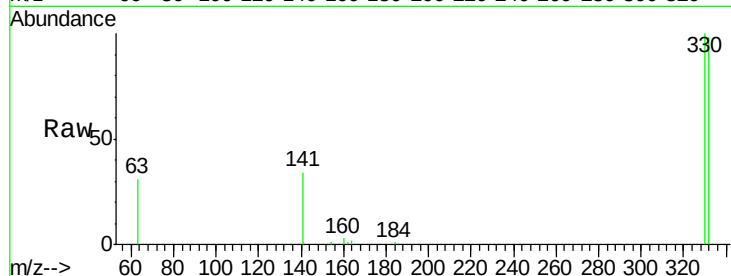




#14
 2,4,6-Tribromophenol
 Concen: 23.45 ng
 RT: 18.59 min Scan# 3038
 Delta R.T. 0.01 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

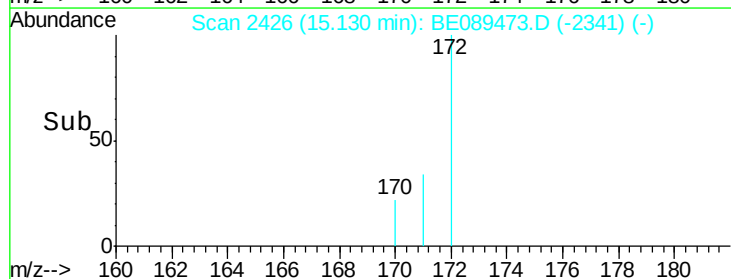
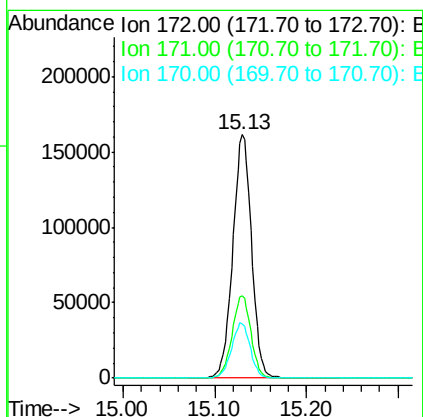
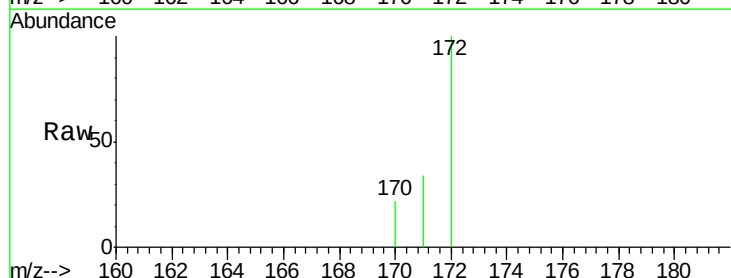
Instrument :
 BNA_E
 ClientSampleId :

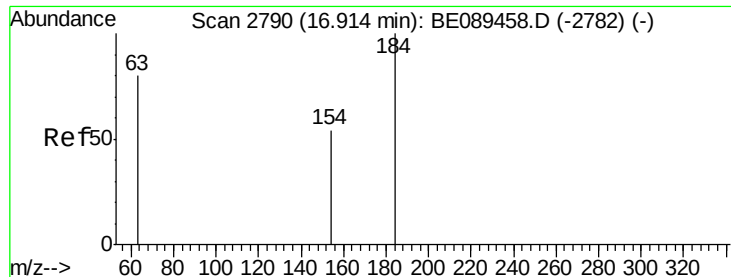
Tgt Ion:330 Resp: 78419
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.4 113.2
 141 40.6 35.7 53.5



#15
 2-Fluorobiphenyl
 Concen: 6.15 ng
 RT: 15.13 min Scan# 2426
 Delta R.T. 0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

Tgt Ion:172 Resp: 228179
 Ion Ratio Lower Upper
 172 100
 171 34.0 27.7 41.5
 170 22.4 18.3 27.5

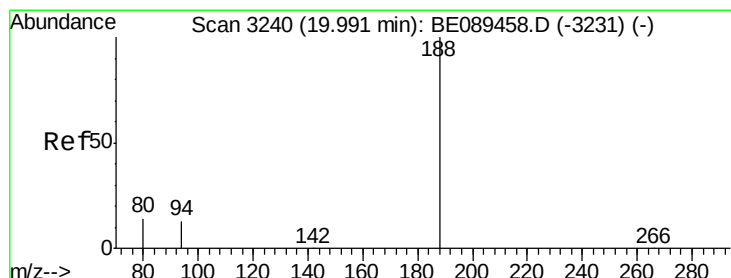
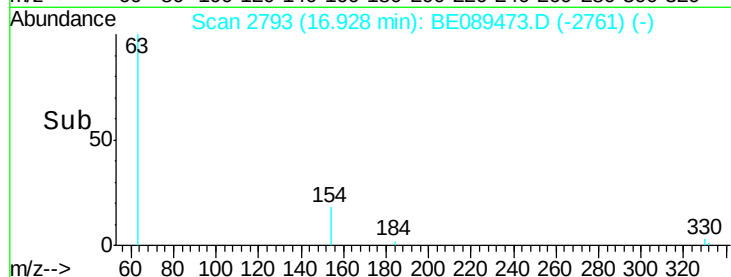
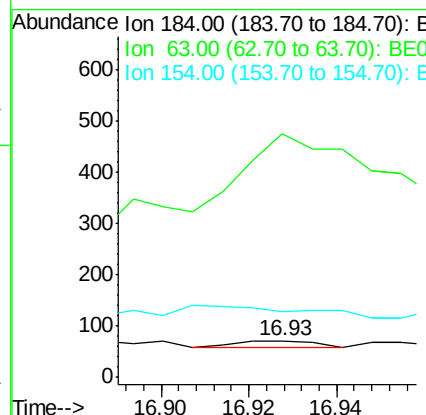
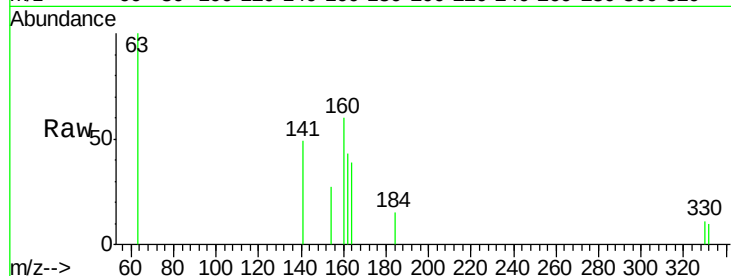




#16
 2,4-Dinitrophenol
 Concen: Below Cal
 RT: 16.93 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

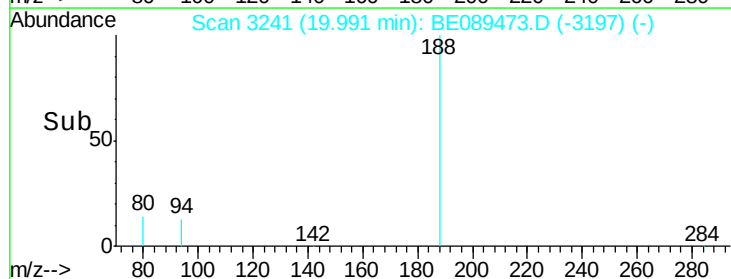
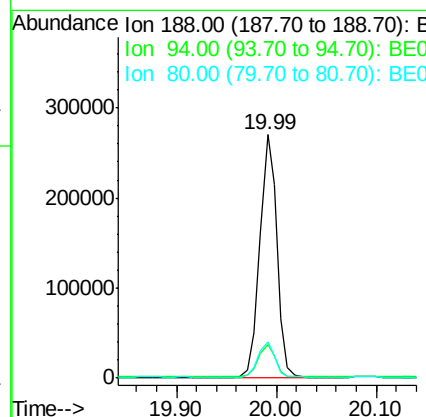
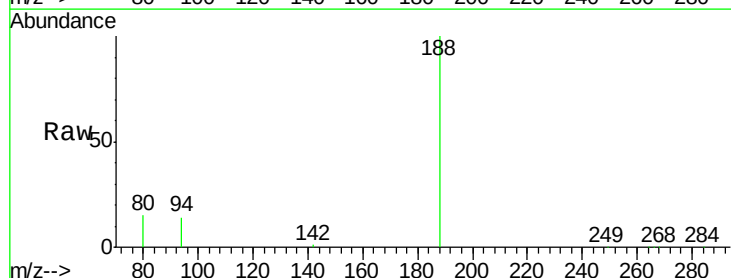
Instrument :
 BNA_E
 ClientSampleId :

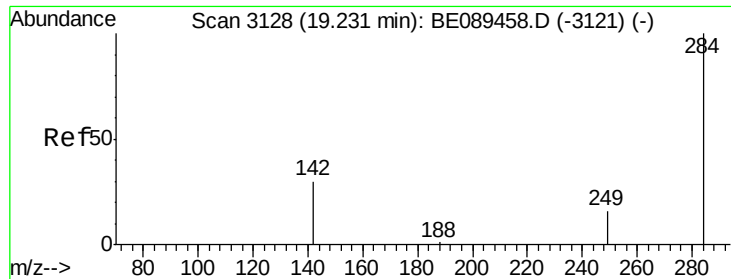
Tgt Ion:184 Resp: 15
 Ion Ratio Lower Upper
 184 100
 63 669.0 77.0 115.6#
 154 180.3 54.0 81.0#



#17
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

Tgt Ion:188 Resp: 320942
 Ion Ratio Lower Upper
 188 100
 94 13.8 10.2 15.4
 80 14.7 10.9 16.3

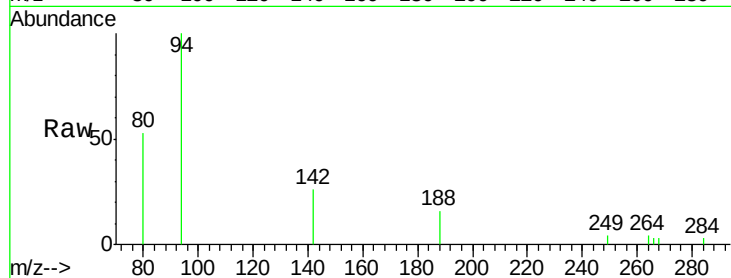




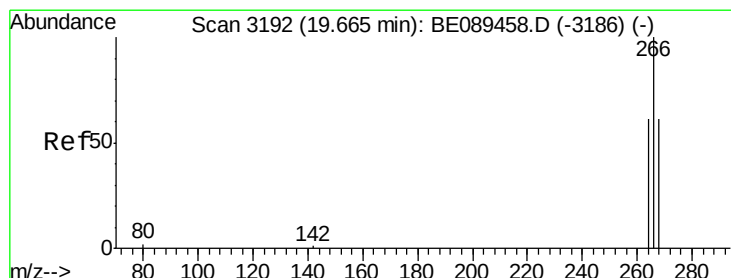
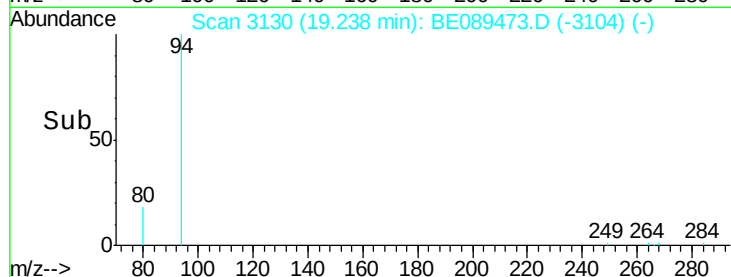
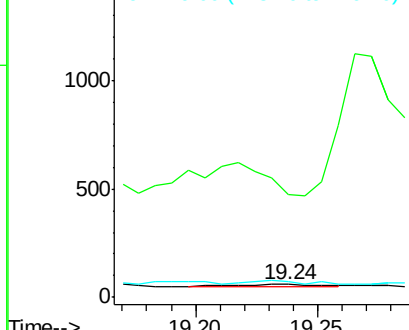
#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.24 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BE089473.D
Acq: 3 Feb 2015 3:40

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 284 Resp: 26
Ion Ratio Lower Upper
284 100
142 795.0 31.8 47.8#
249 125.0 23.5 35.3#

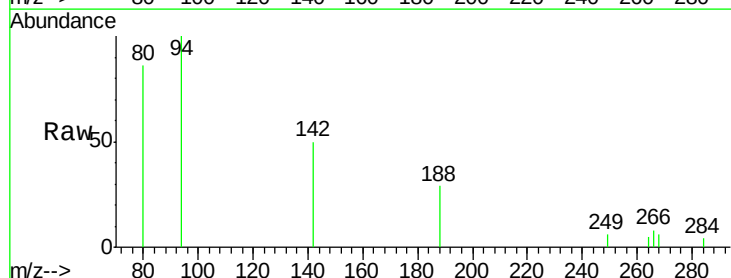


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

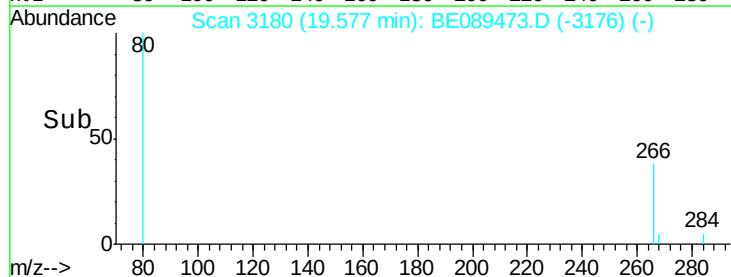
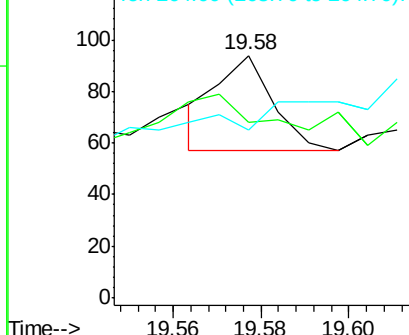


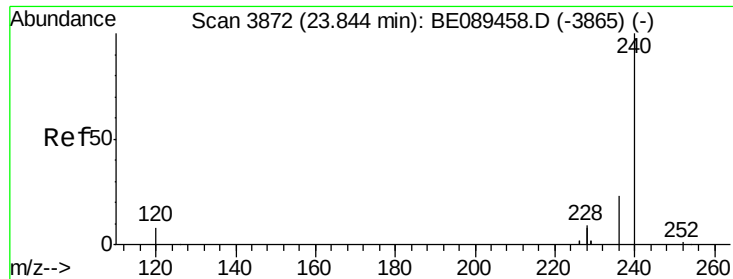
#19
Pentachlorophenol
Concen: 0.09 ng
RT: 19.58 min Scan# 3180
Delta R.T. -0.09 min
Lab File: BE089473.D
Acq: 3 Feb 2015 3:40

Tgt Ion: 266 Resp: 33
Ion Ratio Lower Upper
266 100
268 72.3 52.6 78.8
264 69.1 52.2 78.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

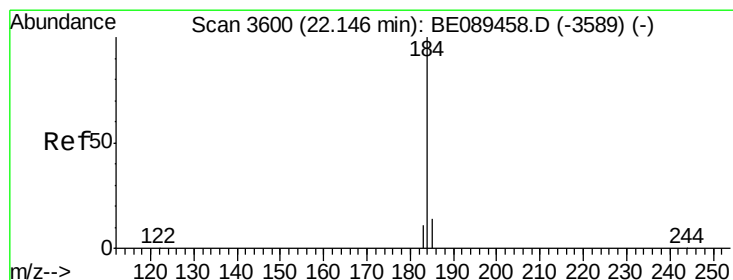
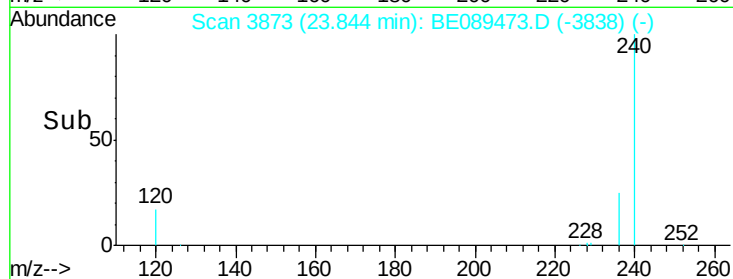
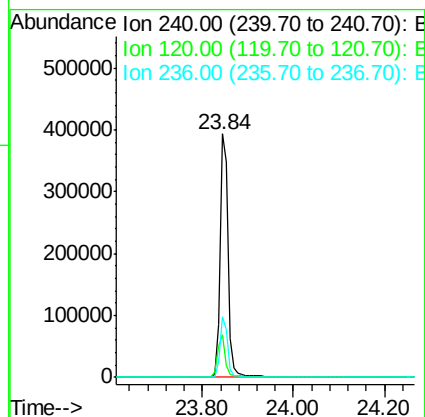
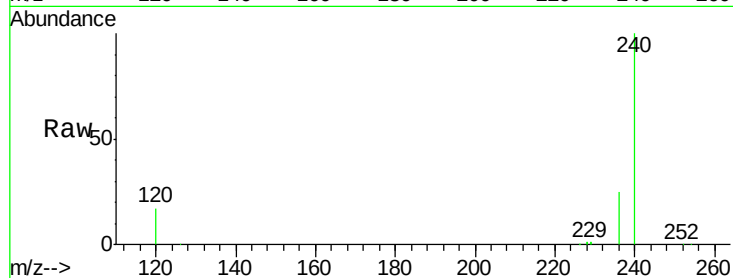




#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 3873
Delta R.T. -0.00 min
Lab File: BE089473.D
Acq: 3 Feb 2015 3:40

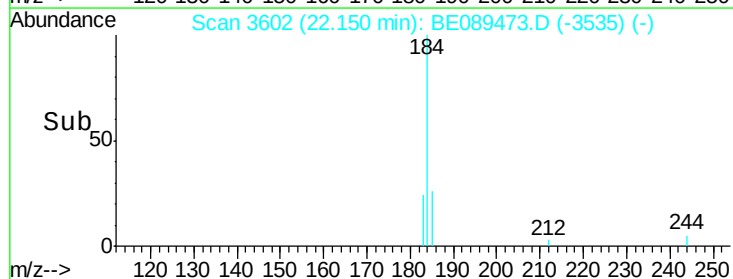
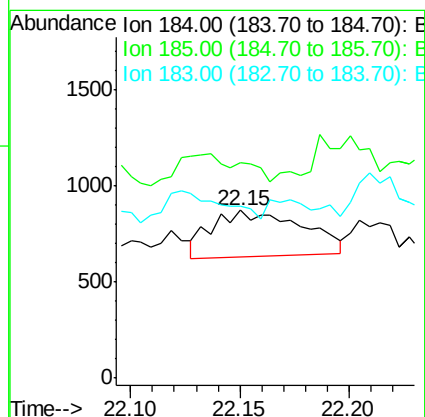
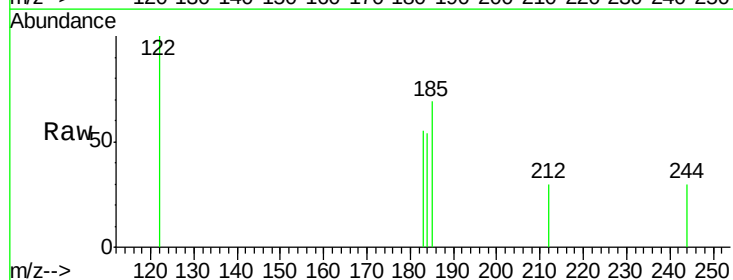
Instrument :
BNA_E
ClientSampleId :

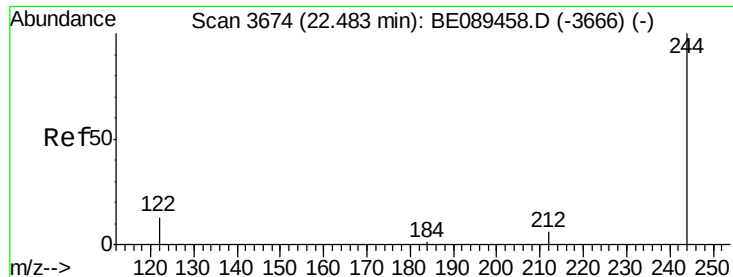
Tgt Ion:240 Resp: 484842
Ion Ratio Lower Upper
240 100
120 17.5 6.2 9.4#
236 25.1 18.2 27.4



#21
Benzidine
Concen: 0.33 ng
RT: 22.15 min Scan# 3602
Delta R.T. 0.00 min
Lab File: BE089473.D
Acq: 3 Feb 2015 3:40

Tgt Ion:184 Resp: 680
Ion Ratio Lower Upper
184 100
185 128.4 11.7 17.5#
183 102.5 9.4 14.0#

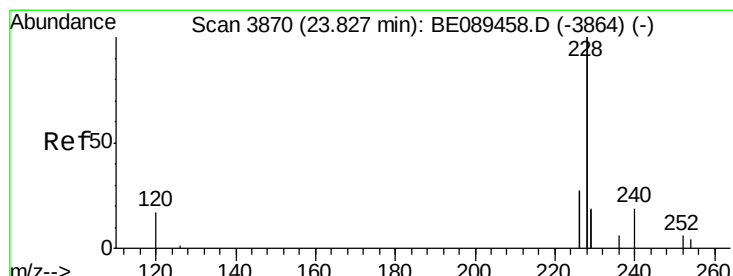
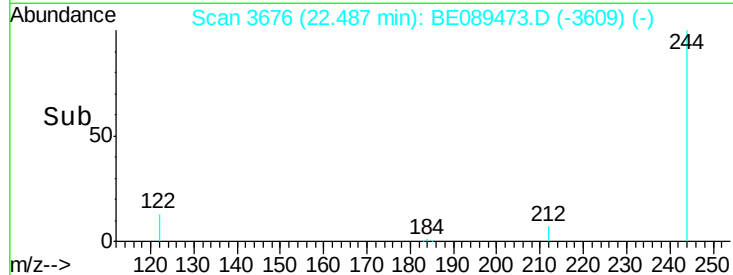
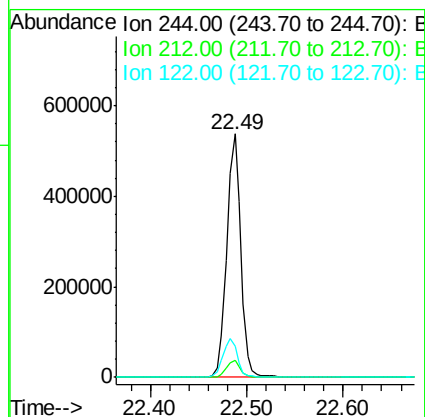
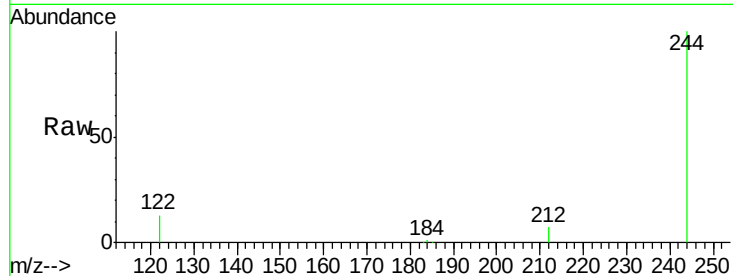




#22
 Terphenyl-d14
 Concen: 9.98 ng
 RT: 22.49 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

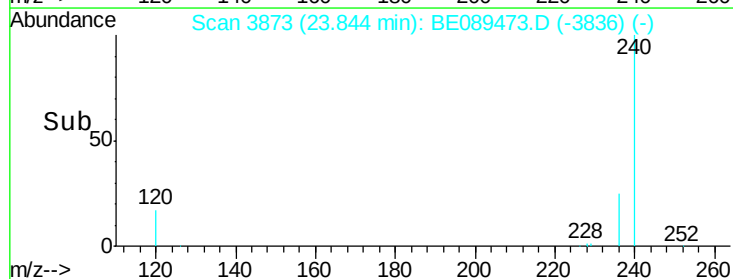
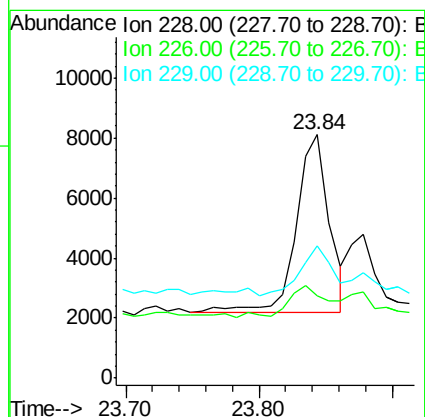
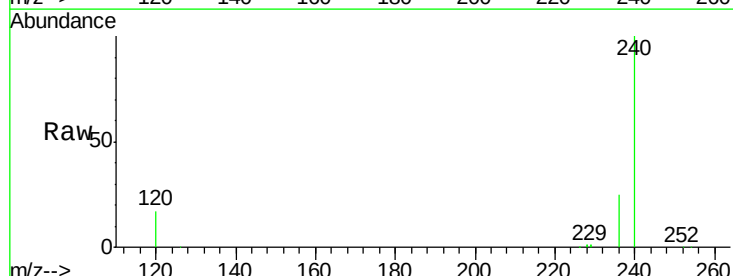
Instrument :
 BNA_E
 ClientSampleId :

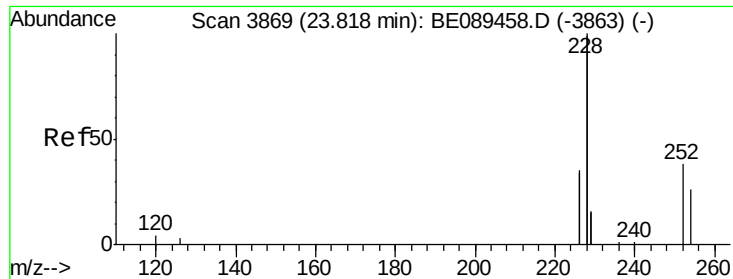
Tgt Ion: 244 Resp: 547015
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.3 7.9
 122 12.9 10.5 15.7



#23
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 23.84 min Scan# 3873
 Delta R.T. 0.02 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

Tgt Ion: 228 Resp: 10028
 Ion Ratio Lower Upper
 228 100
 226 33.8 21.7 32.5#
 229 54.3 14.8 22.2#

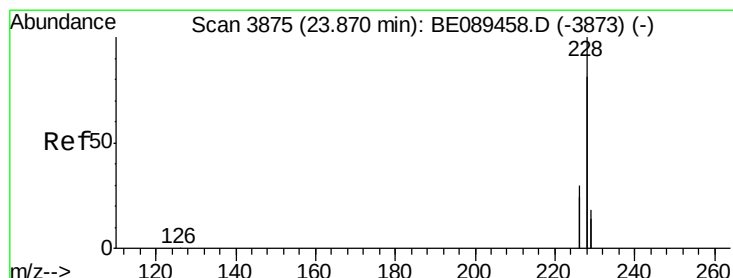
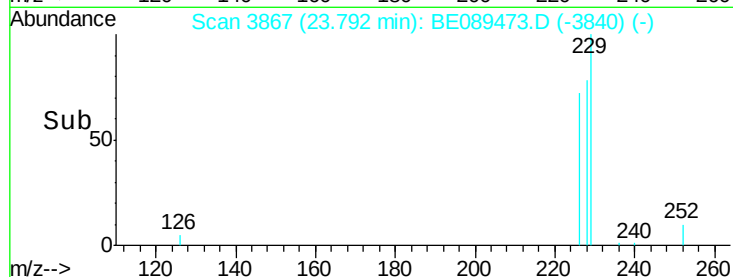
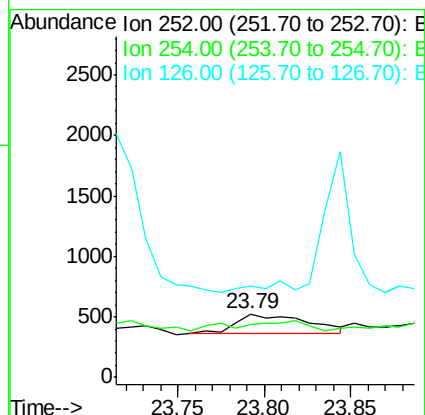
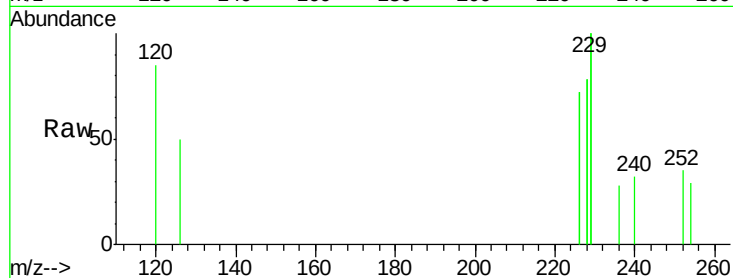




#24
 3,3'-Dichlorobenzidine
 Concen: 0.20 ng
 RT: 23.79 min Scan# 3867
 Delta R.T. -0.03 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

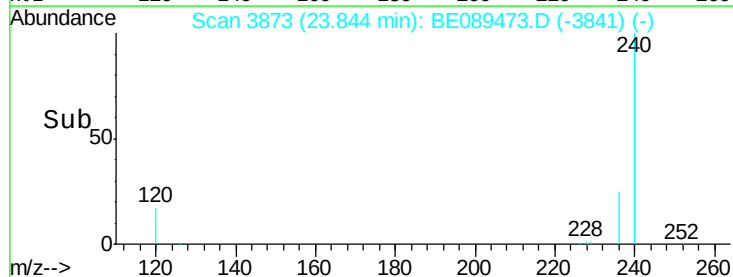
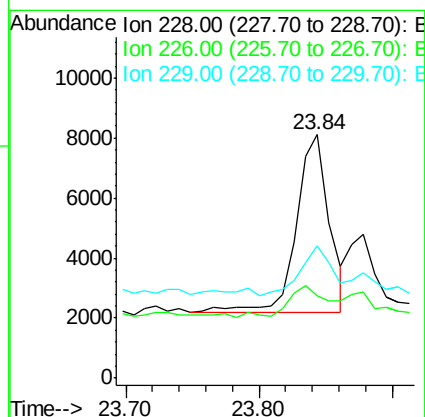
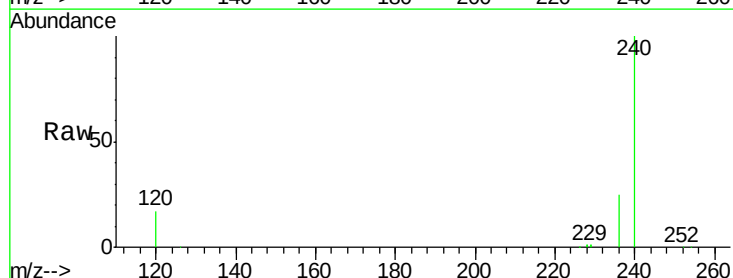
Instrument :
 BNA_E
 ClientSampled :

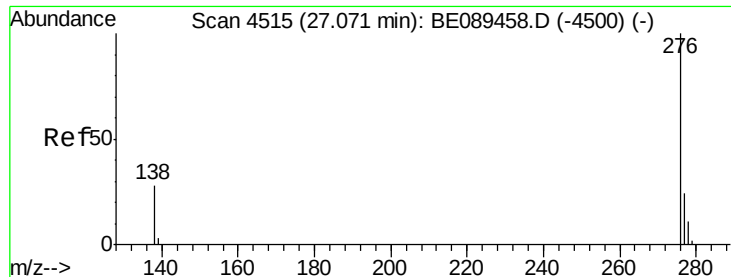
Tgt Ion: 252 Resp: 474
 Ion Ratio Lower Upper
 252 100
 254 84.0 54.6 82.0#
 126 144.5 8.0 12.0#



#25
 Chrysene
 Concen: 0.02 ng
 RT: 23.84 min Scan# 3873
 Delta R.T. -0.03 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

Tgt Ion: 228 Resp: 10028
 Ion Ratio Lower Upper
 228 100
 226 33.8 23.8 35.8
 229 54.3 14.3 21.5#

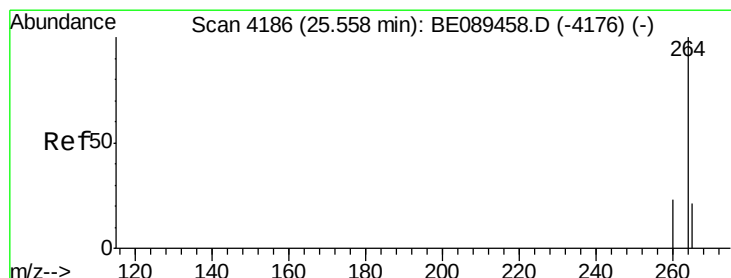
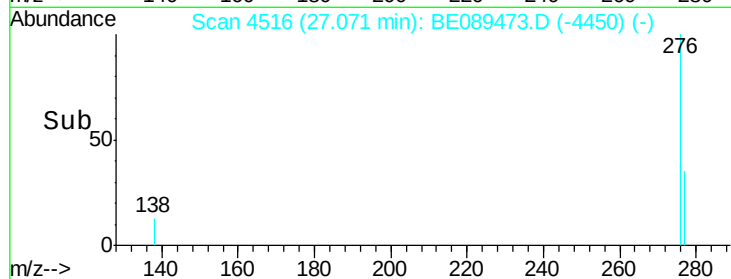
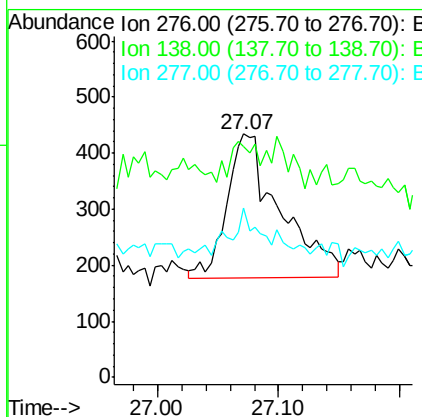
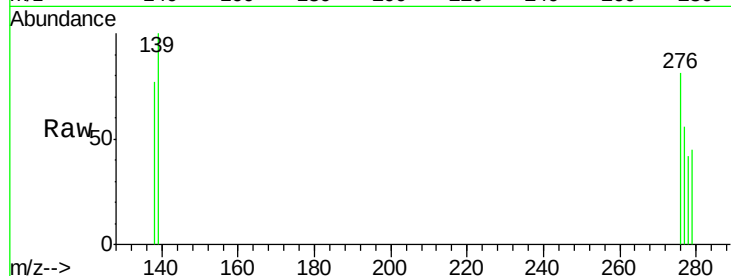




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.22 ng
 RT: 27.07 min Scan# 4516
 Delta R.T. 0.00 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

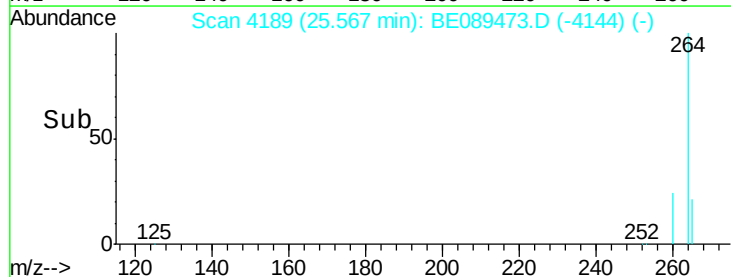
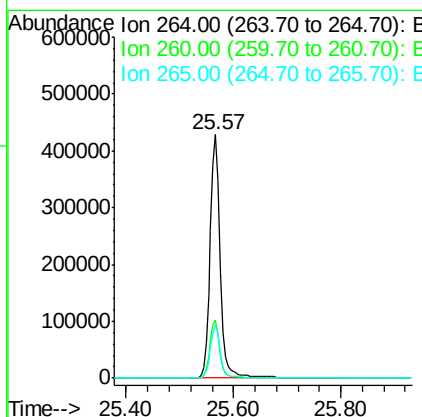
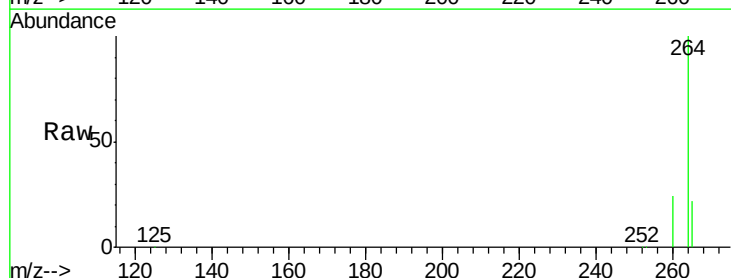
Instrument :
 BNA_E
 ClientSampleId :

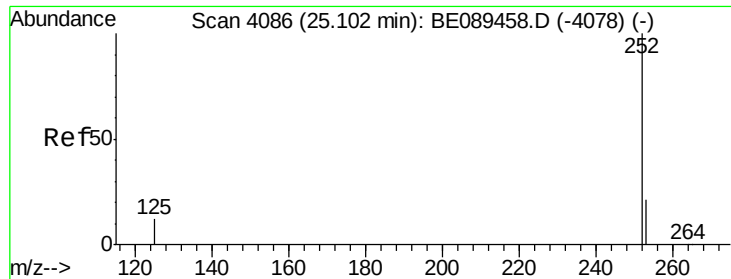
Tgt Ion: 276 Resp: 781
 Ion Ratio Lower Upper
 276 100
 138 13.8 23.3 34.9#
 277 6.7 19.0 28.4#



#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.57 min Scan# 4189
 Delta R.T. 0.01 min
 Lab File: BE089473.D
 Acq: 3 Feb 2015 3:40

Tgt Ion: 264 Resp: 565550
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.7 28.1
 265 21.5 17.0 25.6





#28

Benzo(b)fluoranthene

Concen: 0.26 ng

RT: 25.10 min Scan# 4087

Delta R.T. 0.00 min

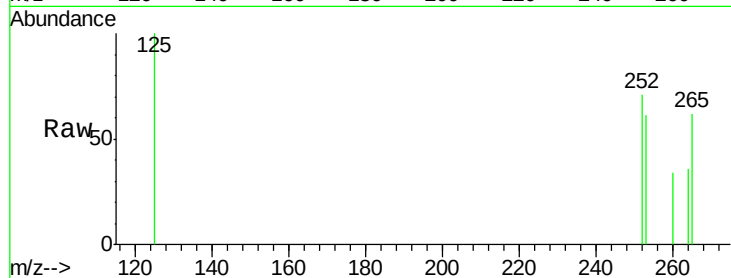
Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

Instrument :

BNA_E

ClientSampleId :



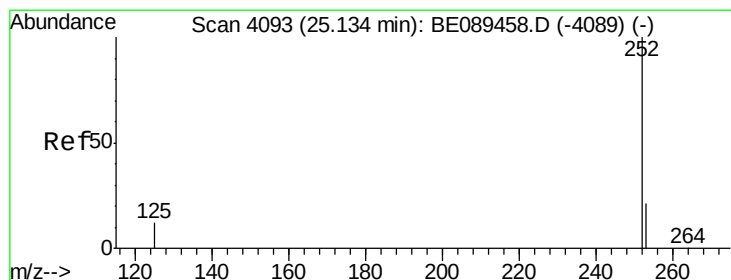
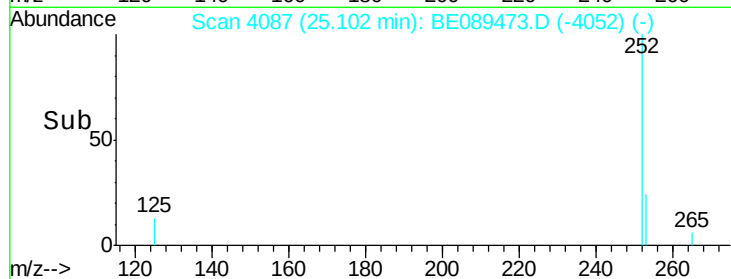
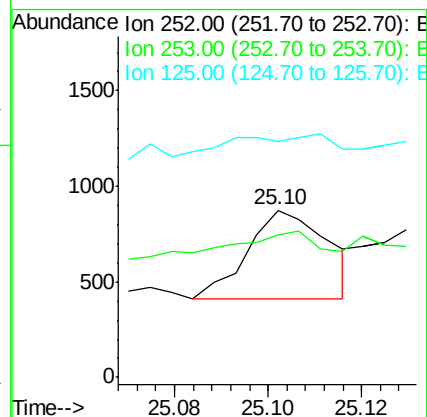
Tgt Ion: 252 Resp: 550

Ion Ratio Lower Upper

252 100

253 85.5 17.4 26.0#

125 141.1 10.4 15.6#



#29

Benzo(k)fluoranthene

Concen: 0.01 ng

RT: 25.13 min Scan# 4094

Delta R.T. -0.00 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

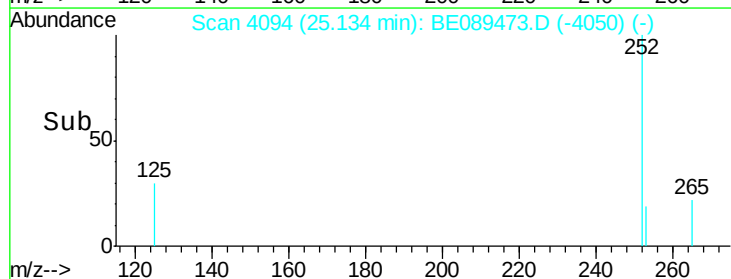
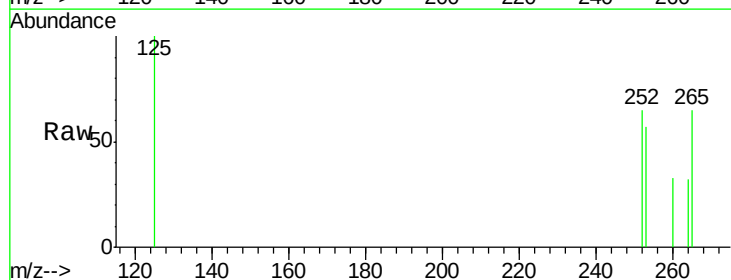
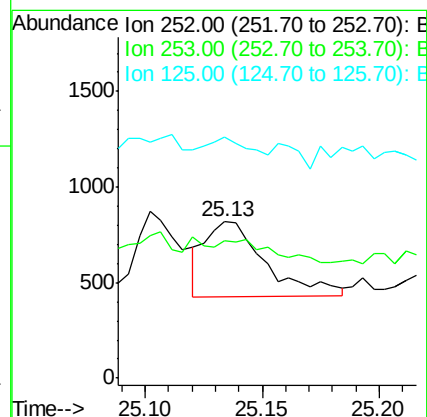
Tgt Ion: 252 Resp: 710

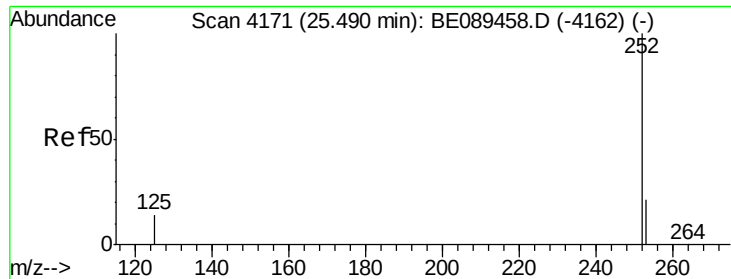
Ion Ratio Lower Upper

252 100

253 87.7 17.5 26.3#

125 154.4 10.3 15.5#





#30

Benzo(a)pyrene

Concen: 0.24 ng

RT: 25.49 min Scan# 4172

Delta R.T. 0.00 min

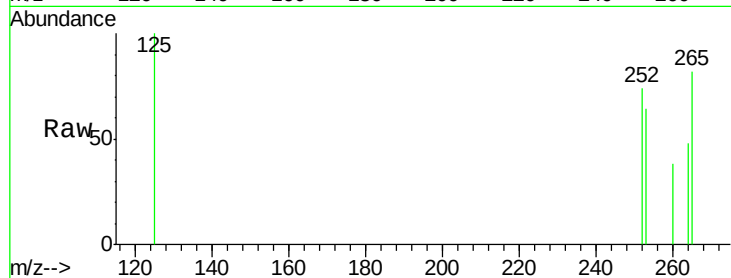
Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

Instrument :

BNA_E

ClientSampled :



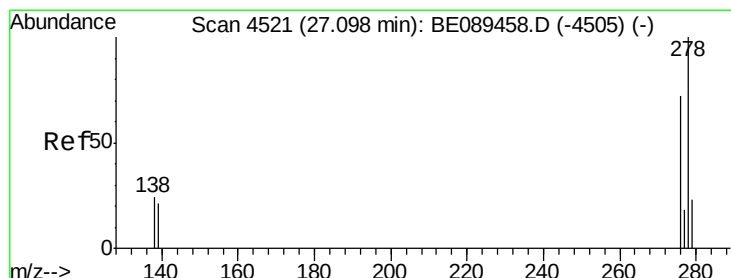
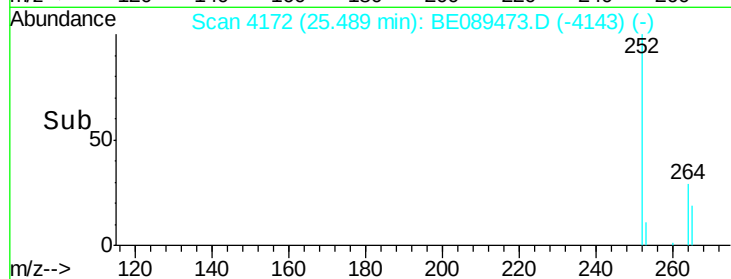
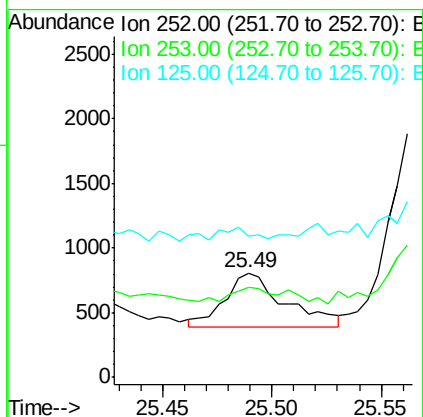
Tgt Ion: 252 Resp: 803

Ion Ratio Lower Upper

252 100

253 85.8 17.5 26.3#

125 134.7 11.8 17.8#



#31

Dibenzo(a,h)anthracene

Concen: 0.22 ng

RT: 27.10 min Scan# 4523

Delta R.T. 0.01 min

Lab File: BE089473.D

Acq: 3 Feb 2015 3:40

Tgt Ion: 278 Resp: 519

Ion Ratio Lower Upper

278 100

139 141.6 17.1 25.7#

279 68.3 18.8 28.2#

