

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089468.D
 Acq On : 2 Feb 2015 23:05
 Operator : TP/IZ
 Sample : G1110-05
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 04:33:08 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	82914	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	269163	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	125040	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	302394	5.00	ng	0.00
20) Chrysene-d12	23.85	240	506121	5.00	ng	0.00
27) Perylene-d12	25.57	264	602504	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.76	112	102359	3.69	ng	0.00
4) Phenol-d6	8.89	99	68136	2.11	ng	0.02
8) Nitrobenzene-d5	10.85	82	167330	8.56	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	68937	21.87	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	226946	6.49	ng	0.00
22) Terphenyl-d14	22.49	244	534748	9.35	ng	0.00

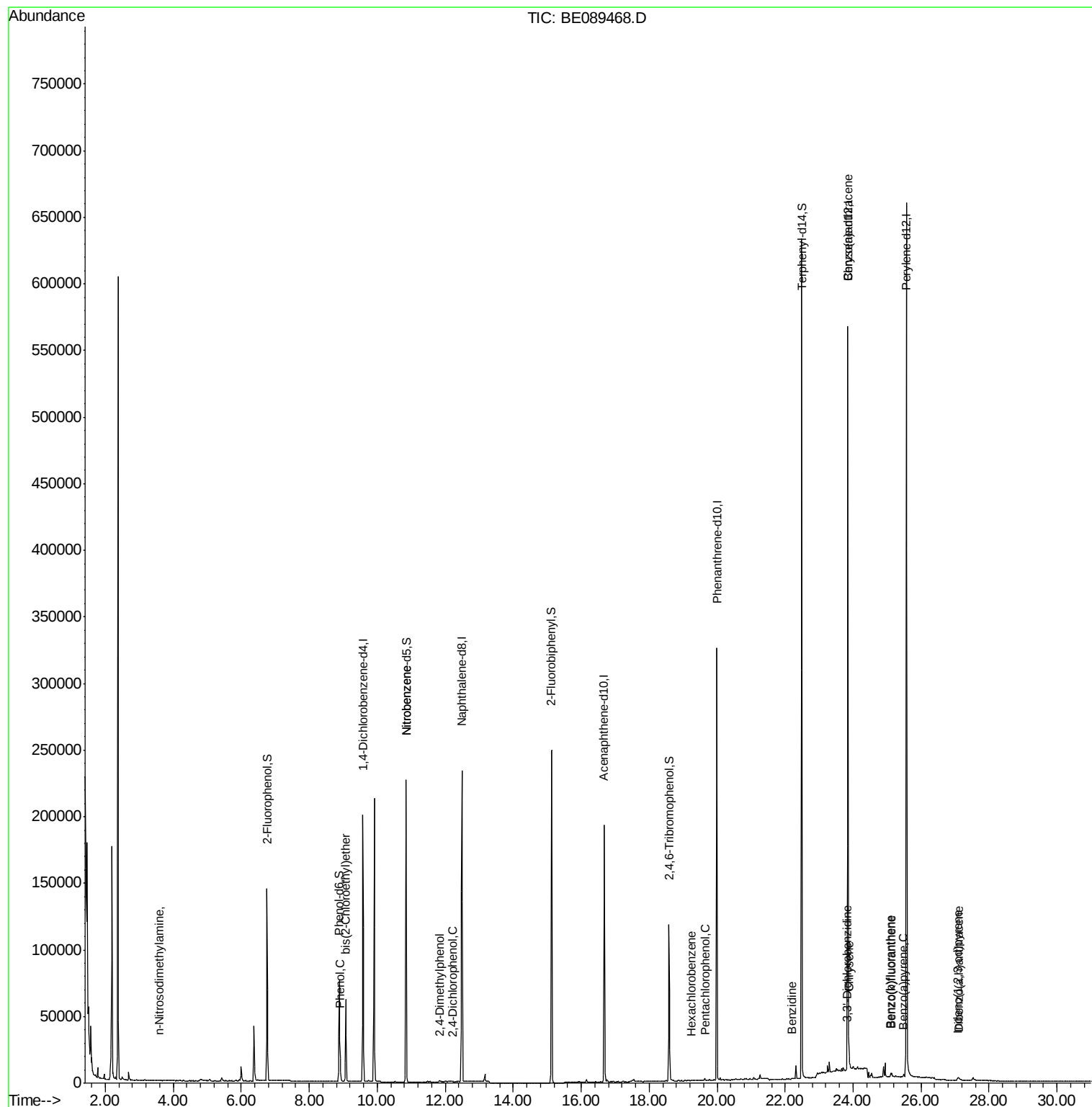
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.58	42	187	0.12	ng	# 1
5) Phenol	8.92	94	10349	0.30	ng	# 81
6) bis(2-Chloroethyl)ether	9.08	93	348	0.01	ng	# 1
9) Nitrobenzene	10.85	77	942	0.04	ng	# 39
10) 2,4-Dimethylphenol	11.84	122	301	0.02	ng	# 88
11) 2,4-Dichlorophenol	12.22	162	74	0.01	ng	# 5
16) 2,4-Dinitrophenol	16.91	184	20	Below Cal		# 1
18) Hexachlorobenzene	19.23	284	165	0.01	ng	# 1
19) Pentachlorophenol	19.67	266	240	0.23	ng	100
21) Benzidine	22.18	184	38	0.32	ng	# 1
23) Benzo(a)anthracene	23.83	228	18054	0.04	ng	# 78
24) 3,3'-Dichlorobenzidine	23.81	252	687	0.21	ng	# 54
25) Chrysene	23.88	228	9326	0.02	ng	# 67
26) Indeno(1,2,3-cd)pyrene	27.08	276	3677	0.23	ng	# 86
28) Benzo(b)fluoranthene	25.11	252	2898	0.28	ng	# 16
29) Benzo(k)fluoranthene	25.14	252	3145	0.02	ng	# 7
30) Benzo(a)pyrene	25.49	252	2530	0.25	ng	# 1
31) Dibenzo(a,h)anthracene	27.10	278	2355	0.23	ng	# 24

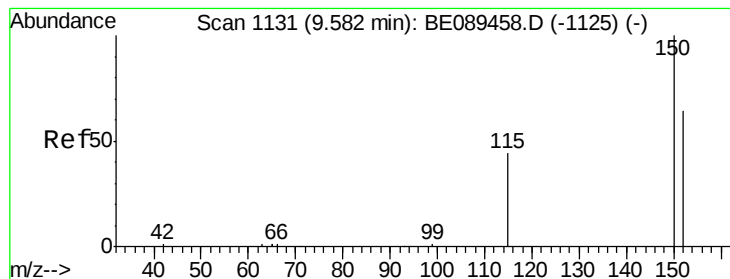
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089468.D

Acq: 2 Feb 2015 23:05

Instrument :

BNA_E

ClientSampleId :

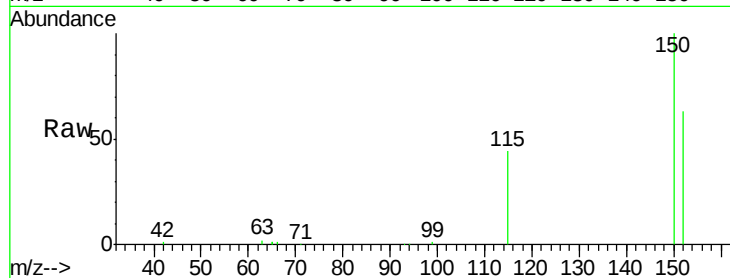
Tgt Ion:152 Resp: 82914

Ion Ratio Lower Upper

152 100

150 157.8 124.6 186.8

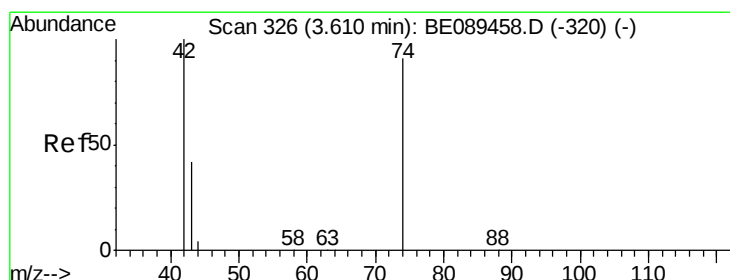
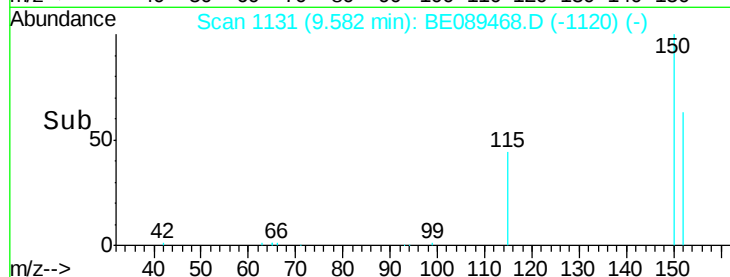
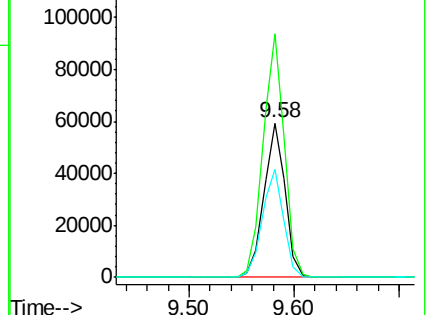
115 70.1 55.4 83.0



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: 0.12 ng

RT: 3.58 min Scan# 321

Delta R.T. -0.03 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

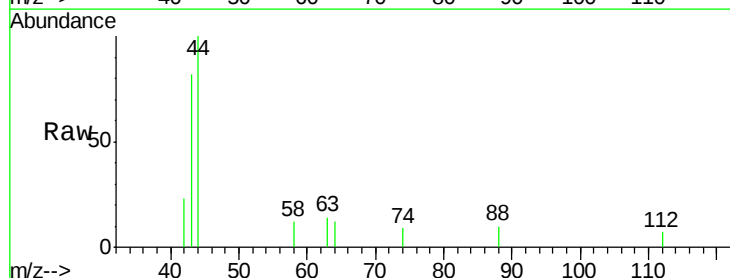
Tgt Ion: 42 Resp: 187

Ion Ratio Lower Upper

42 100

74 36.7 72.1 108.1#

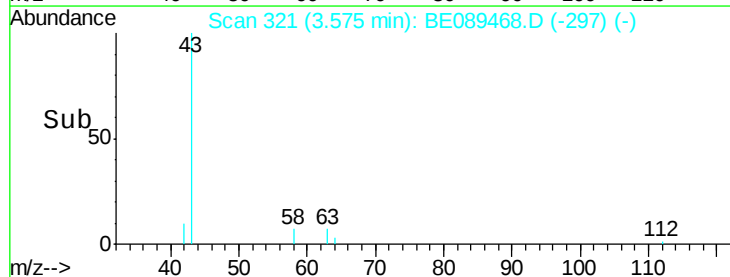
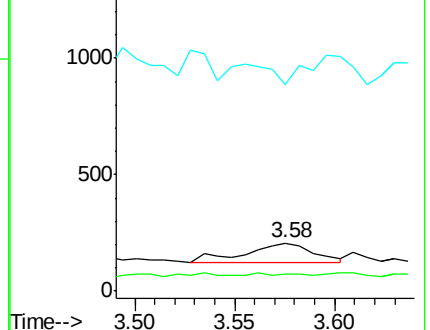
44 429.5 28.0 42.0#

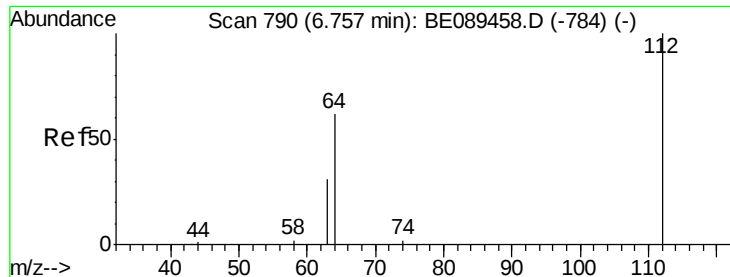


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

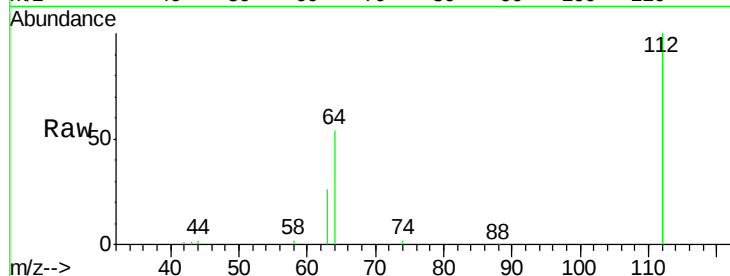




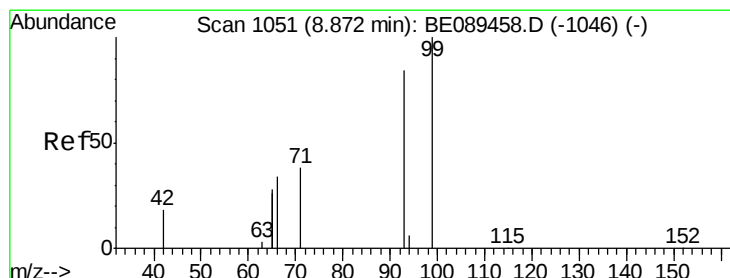
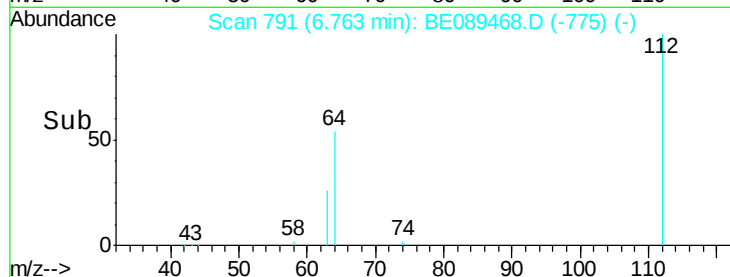
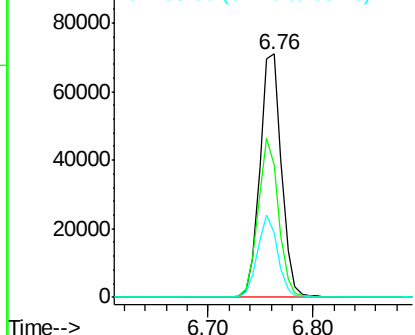
#3
2-Fluorophenol
Concen: 3.69 ng
RT: 6.76 min Scan# 791
Delta R.T. 0.01 min
Lab File: BE089468.D
Acq: 2 Feb 2015 23:05

Instrument :
BNA_E
ClientSampled :

Tgt Ion: 112 Resp: 102359
Ion Ratio Lower Upper
112 100
64 54.5 49.8 74.8
63 26.5 24.9 37.3

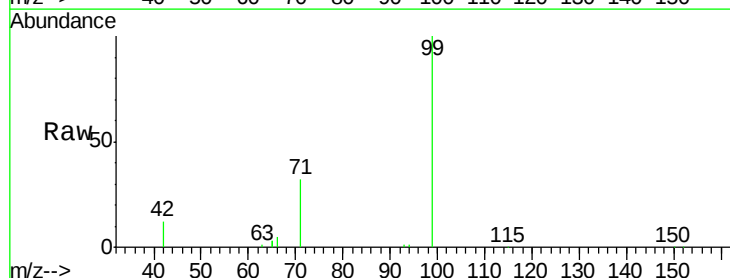


Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0

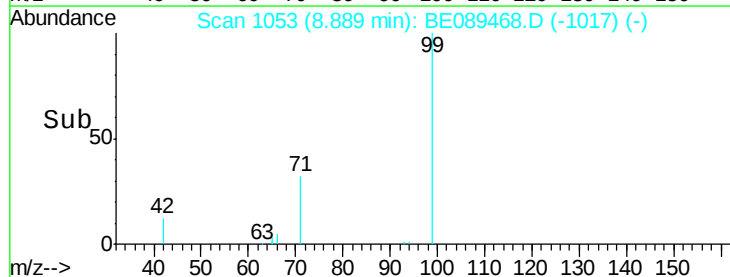
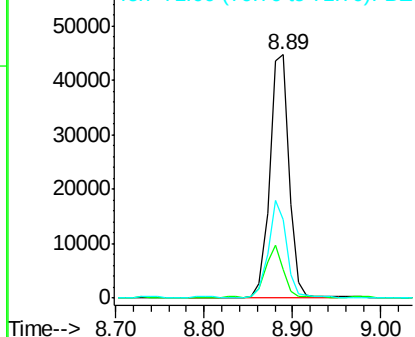


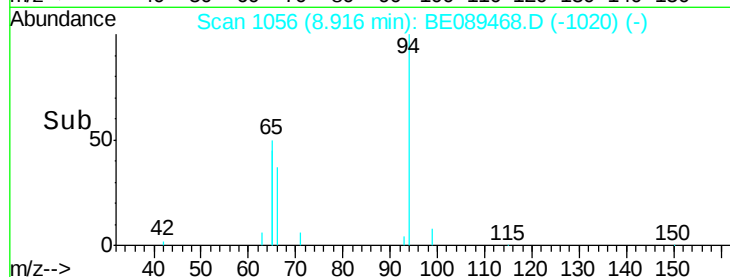
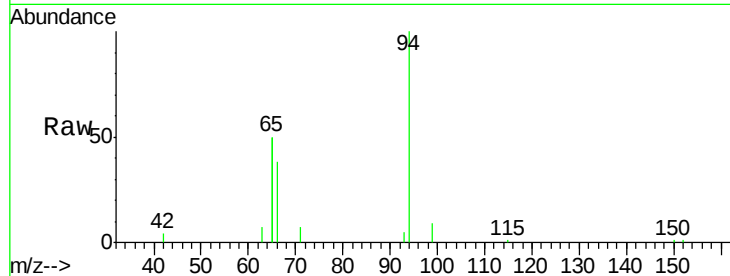
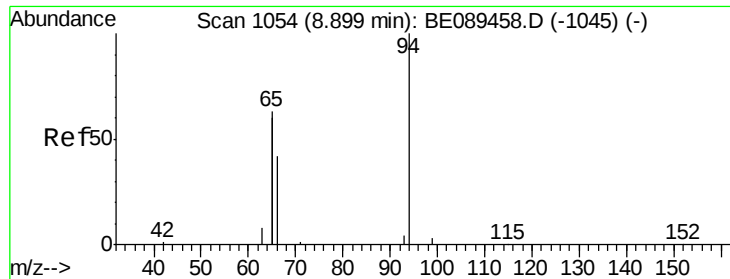
#4
Phenol-d6
Concen: 2.11 ng
RT: 8.89 min Scan# 1053
Delta R.T. 0.02 min
Lab File: BE089468.D
Acq: 2 Feb 2015 23:05

Tgt Ion: 99 Resp: 68136
Ion Ratio Lower Upper
99 100
42 11.9 15.0 22.4#
71 32.2 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: 0.30 ng

RT: 8.92 min Scan# 1056

Delta R.T. 0.02 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

Instrument :

BNA_E

ClientSampleId :

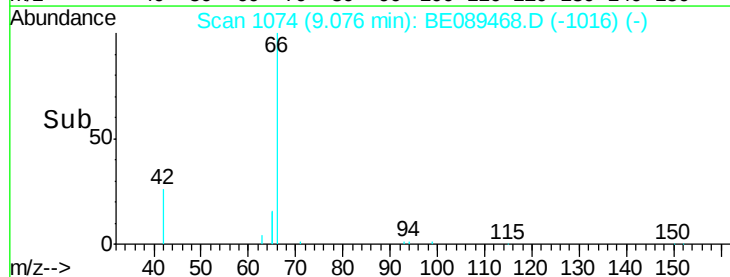
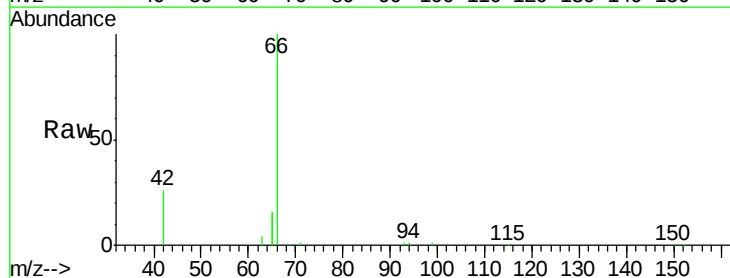
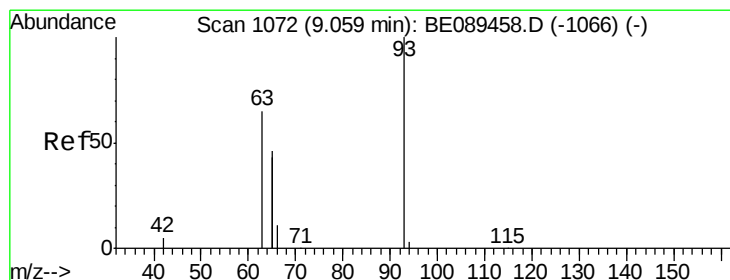
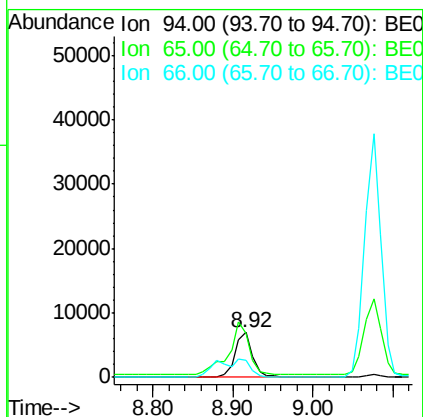
Tgt Ion: 94 Resp: 10349

Ion Ratio Lower Upper

94 100

65 99.1 105.0 145.0#

66 38.2 22.4 62.4



#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 9.08 min Scan# 1074

Delta R.T. 0.02 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

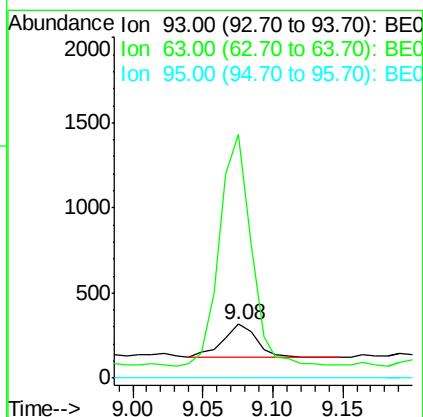
Tgt Ion: 93 Resp: 348

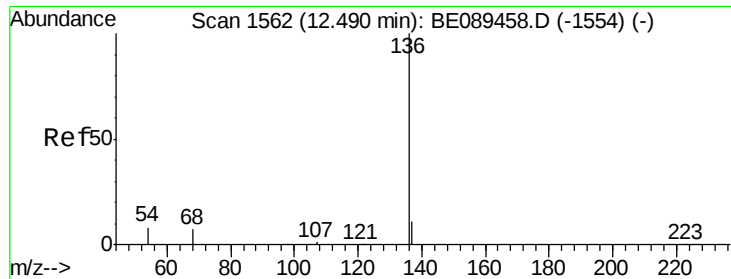
Ion Ratio Lower Upper

93 100

63 612.1 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: BE089468.D

Acq: 2 Feb 2015 23:05

Instrument :

BNA_E

ClientSampleId :

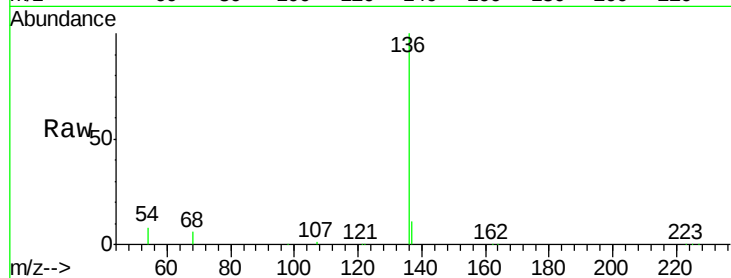
Tgt Ion: 136 Resp: 269163

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

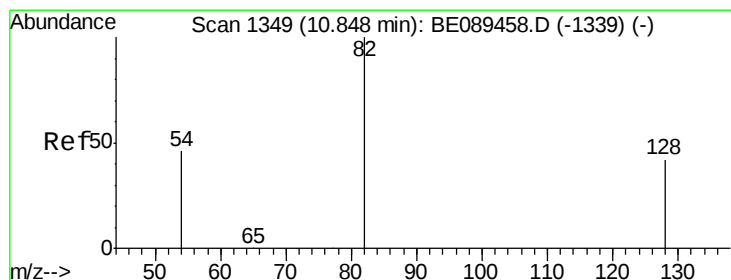
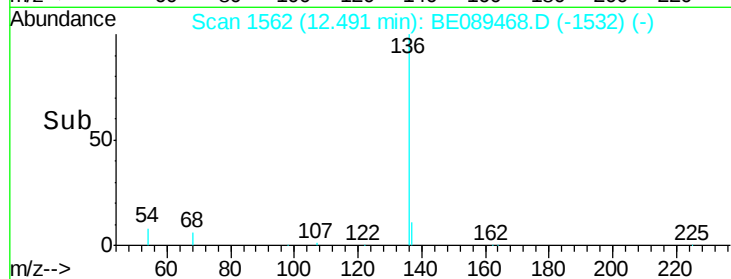
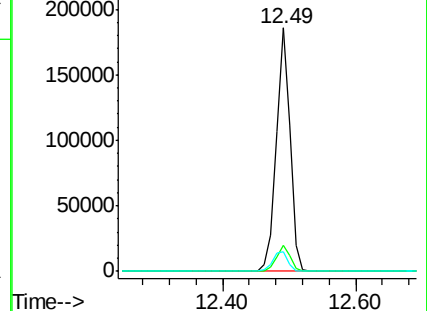
54 8.0 6.5 9.7



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: 8.56 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

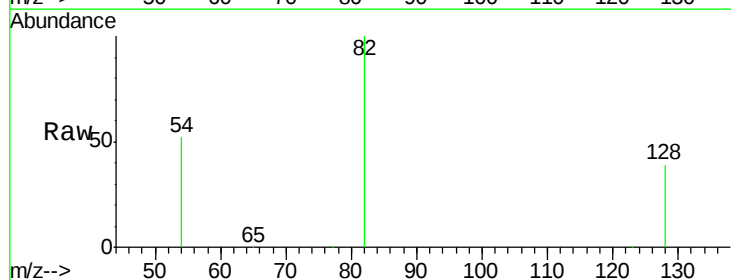
Tgt Ion: 82 Resp: 167330

Ion Ratio Lower Upper

82 100

128 39.3 34.2 51.2

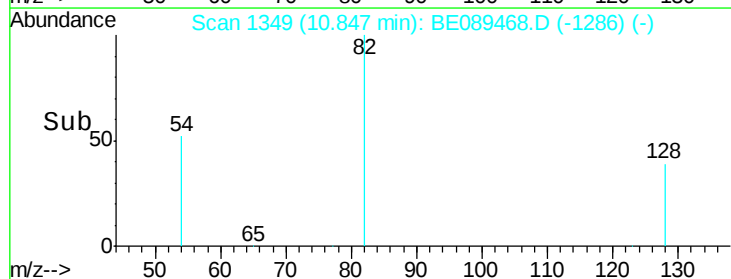
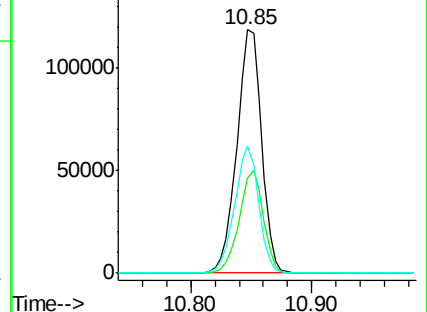
54 52.3 37.3 55.9

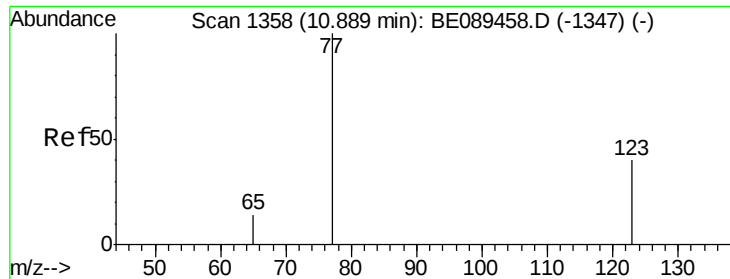


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.04 ng

RT: 10.85 min Scan# 1350

Delta R.T. -0.04 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

Instrument :

BNA_E

ClientSampleId :

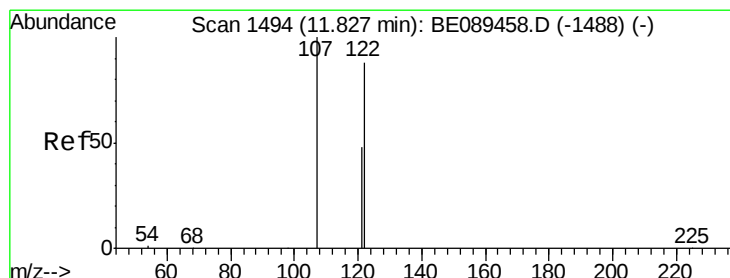
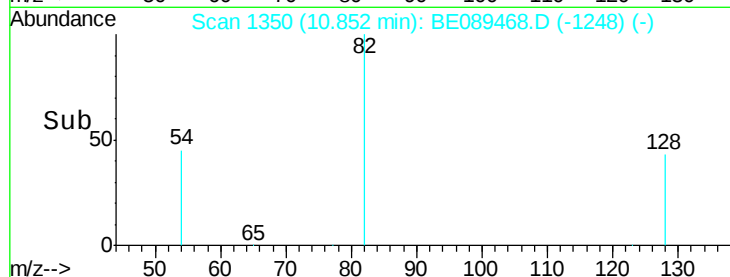
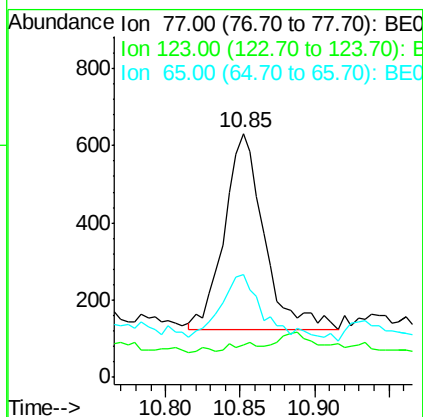
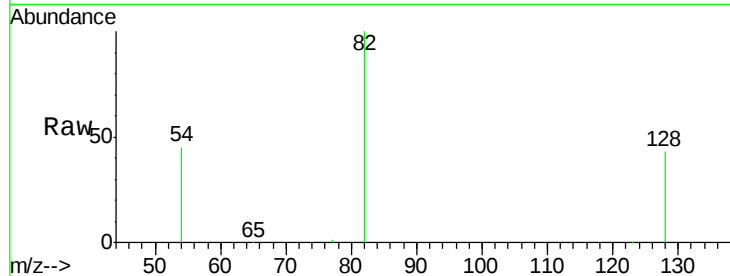
Tgt Ion: 77 Resp: 942

Ion Ratio Lower Upper

77 100

123 0.0 33.6 50.4#

65 31.6 11.0 16.6#



#10

2,4-Dimethylphenol

Concen: 0.02 ng

RT: 11.84 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

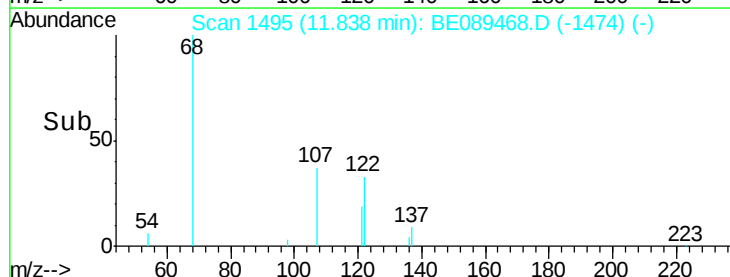
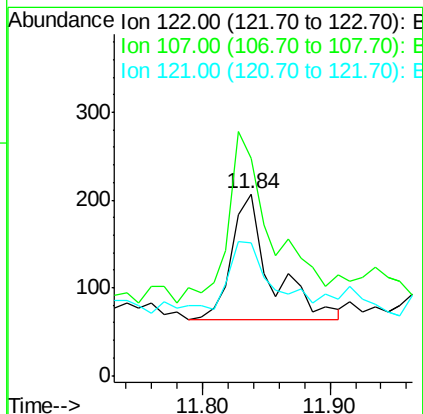
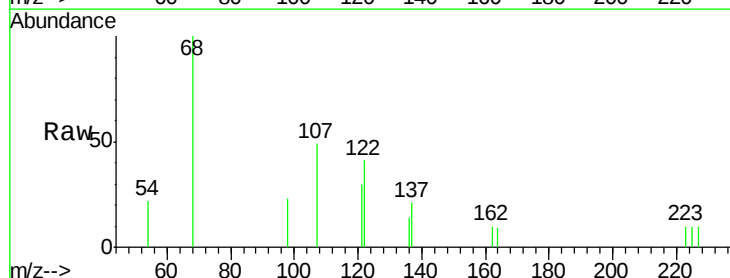
Tgt Ion: 122 Resp: 301

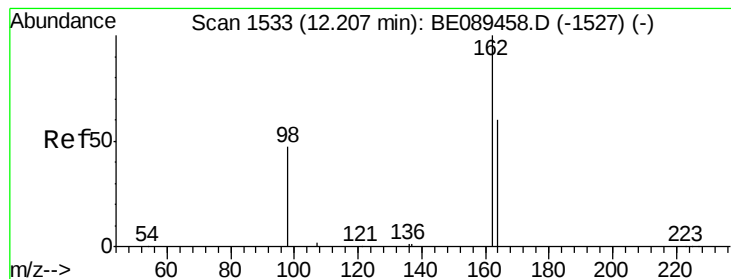
Ion Ratio Lower Upper

122 100

107 119.3 90.6 136.0

121 72.9 43.7 65.5#





#11

2,4-Dichlorophenol

Concen: 0.01 ng

RT: 12.22 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

Instrument :

BNA_E

ClientSampleId :

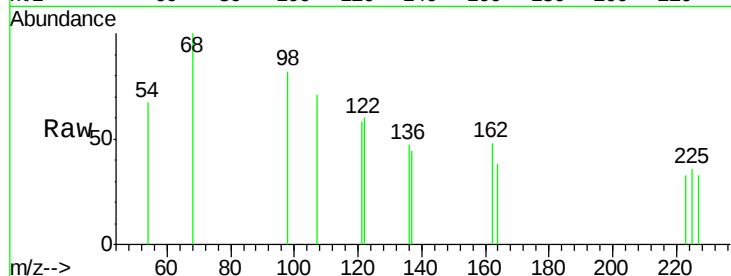
Tgt Ion:162 Resp: 74

Ion Ratio Lower Upper

162 100

164 79.7 40.5 80.5

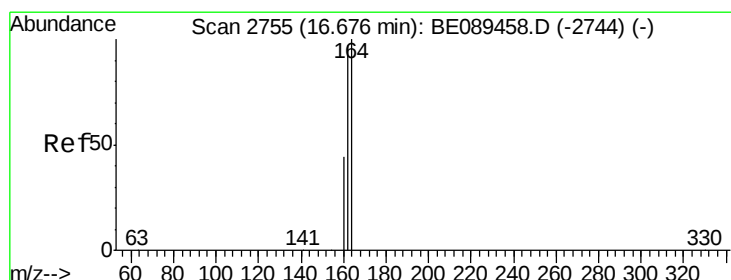
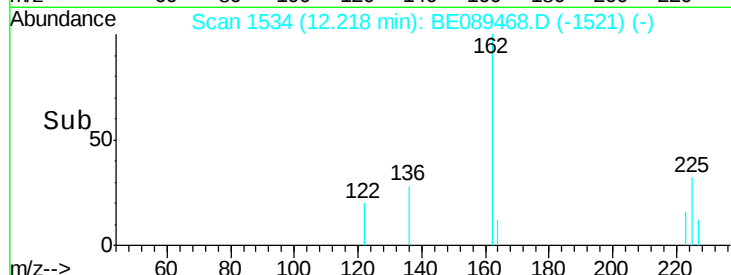
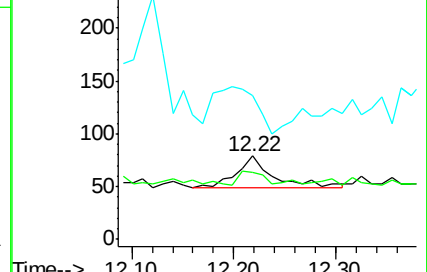
98 172.2 28.1 68.1#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BE0



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

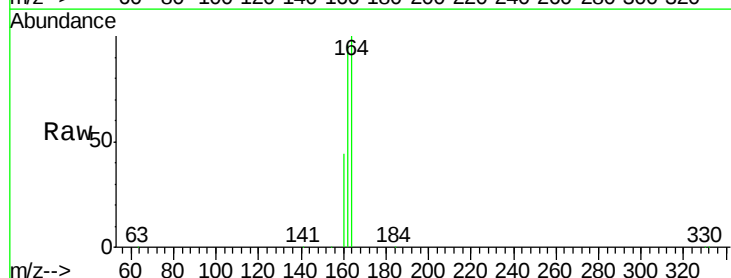
Tgt Ion:164 Resp: 125040

Ion Ratio Lower Upper

164 100

162 96.3 77.4 116.2

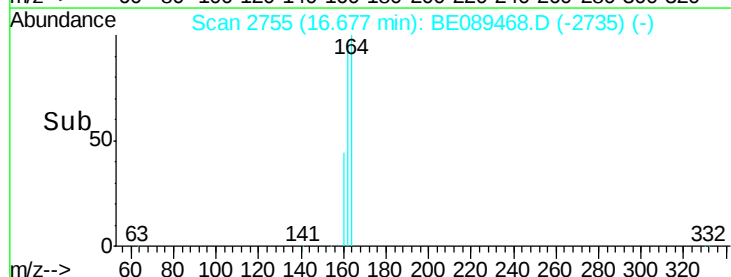
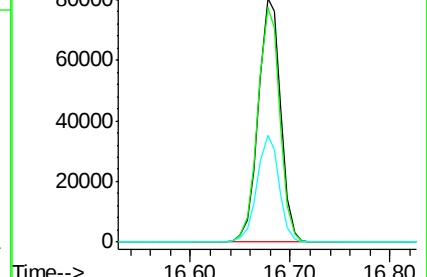
160 43.6 35.5 53.3

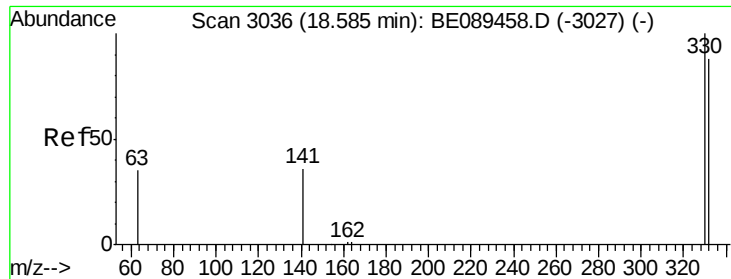


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

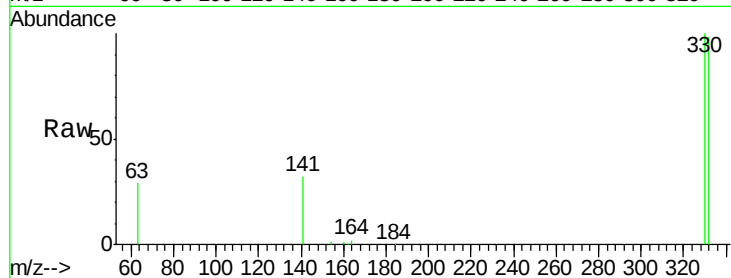




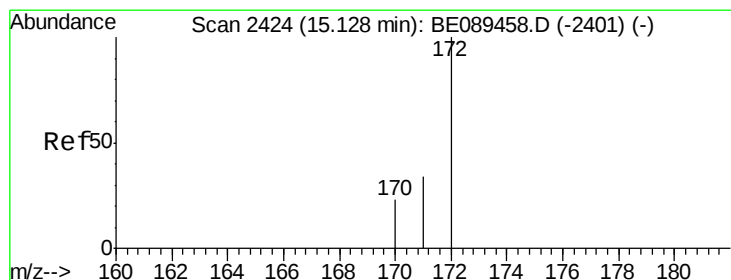
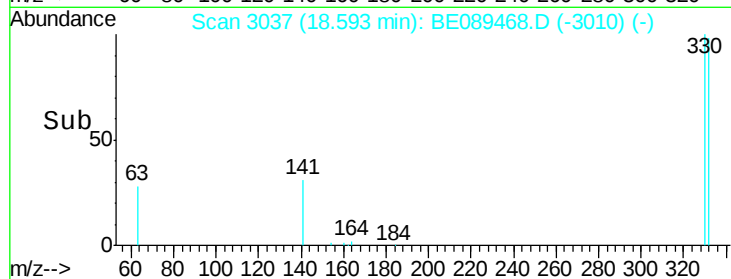
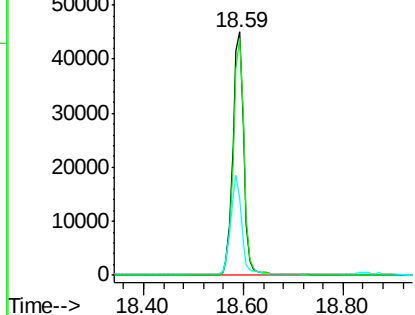
#14
 2,4,6-Tribromophenol
 Concen: 21.87 ng
 RT: 18.59 min Scan# 3037
 Delta R.T. 0.01 min
 Lab File: BE089468.D
 Acq: 2 Feb 2015 23:05

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:330 Resp: 68937
 Ion Ratio Lower Upper
 330 100
 332 96.5 75.4 113.2
 141 40.8 35.7 53.5

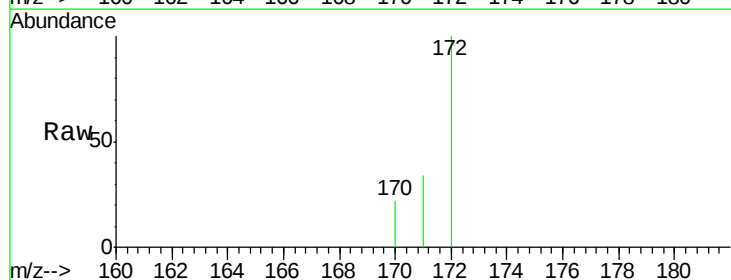


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

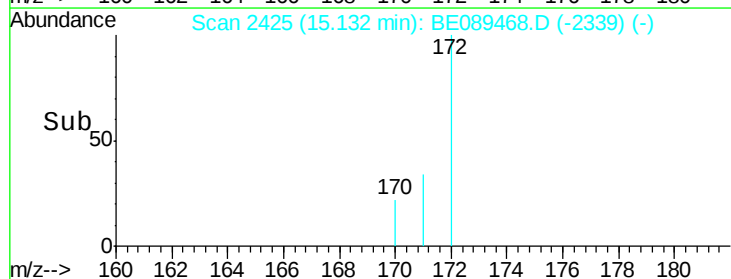
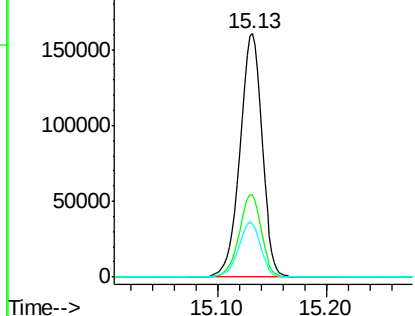


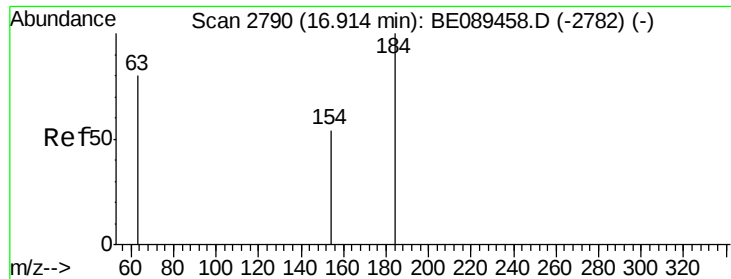
#15
 2-Fluorobiphenyl
 Concen: 6.49 ng
 RT: 15.13 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BE089468.D
 Acq: 2 Feb 2015 23:05

Tgt Ion:172 Resp: 226946
 Ion Ratio Lower Upper
 172 100
 171 33.7 27.7 41.5
 170 21.9 18.3 27.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

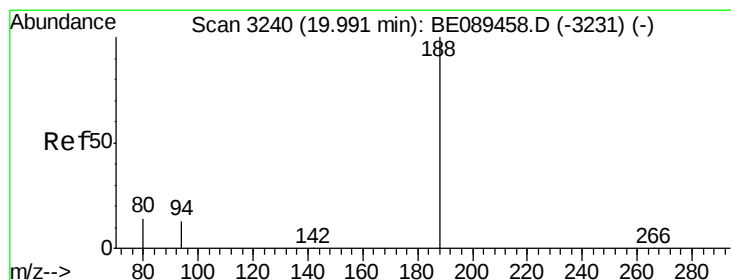
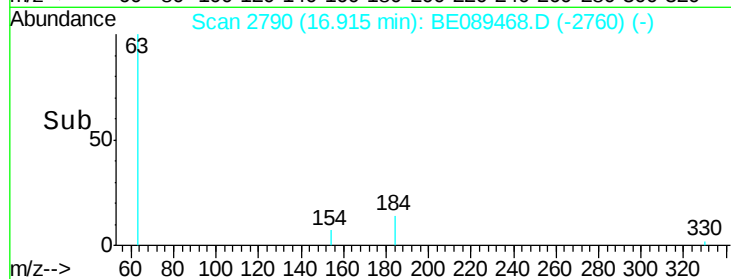
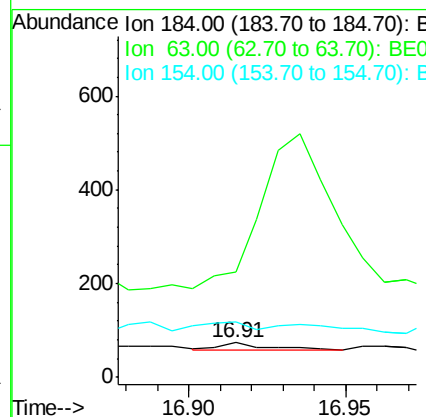
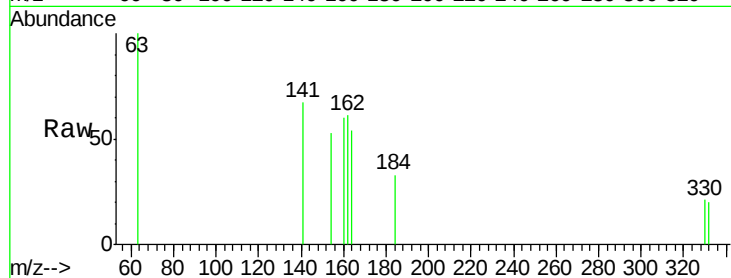




#16
2,4-Dinitrophenol
Concen: Below Cal
RT: 16.91 min Scan# 2790
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 2 Feb 2015 23:05

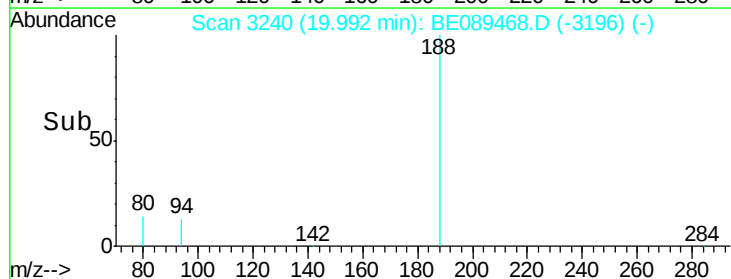
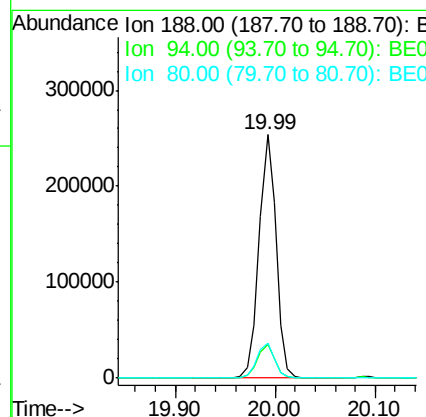
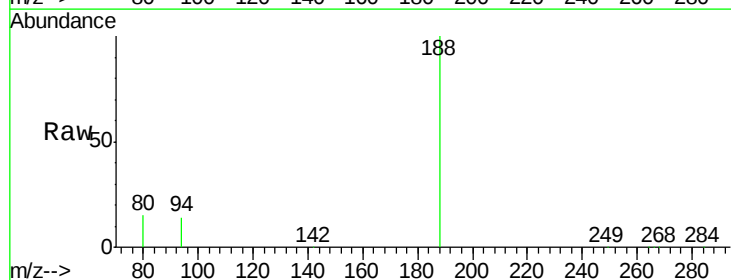
Instrument :
BNA_E
ClientSampleId :

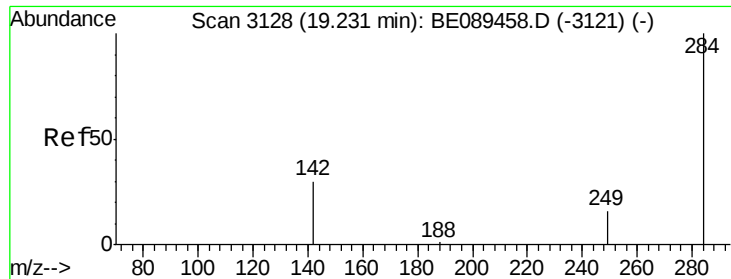
Tgt Ion:184 Resp: 20
Ion Ratio Lower Upper
184 100
63 304.1 77.0 115.6#
154 160.8 54.0 81.0#



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 2 Feb 2015 23:05

Tgt Ion:188 Resp: 302394
Ion Ratio Lower Upper
188 100
94 13.6 10.2 15.4
80 14.6 10.9 16.3

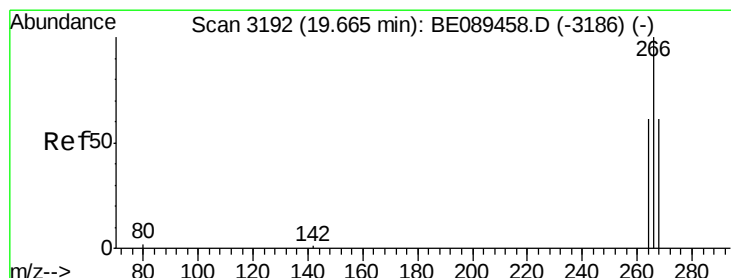
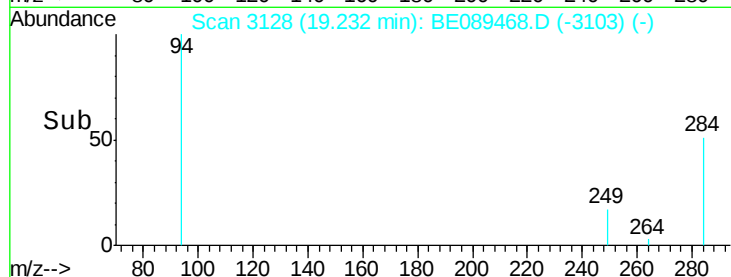
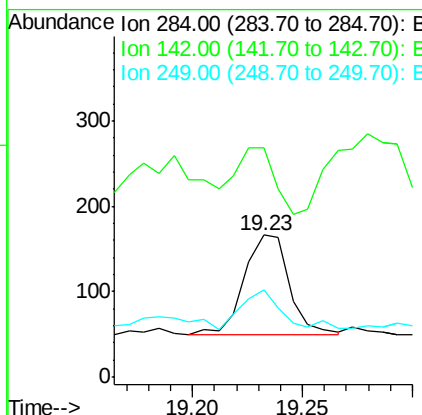
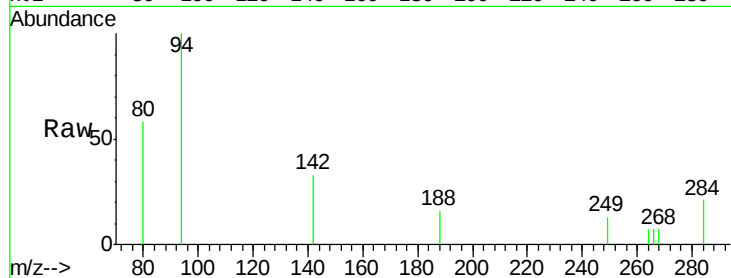




#18
Hexachlorobenzene
Concen: 0.01 ng
RT: 19.23 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 2 Feb 2015 23:05

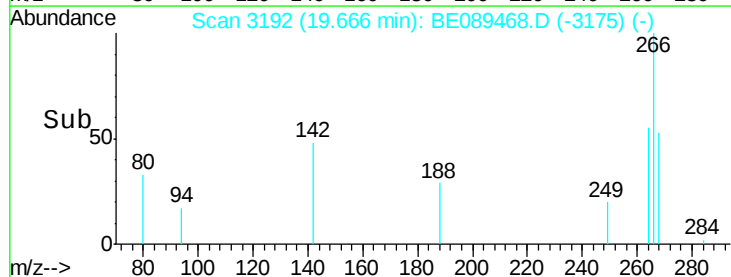
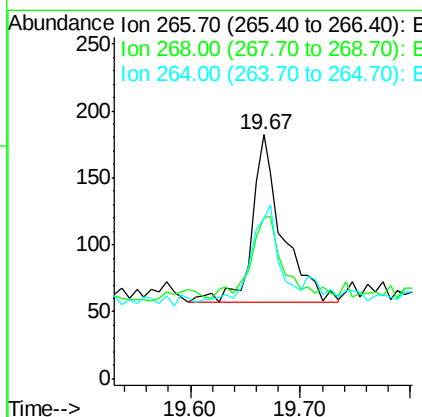
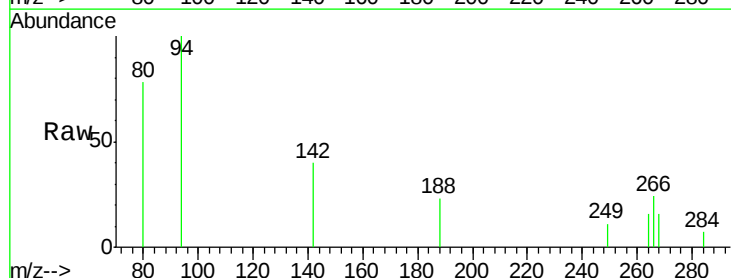
Instrument :
BNA_E
ClientSampled :

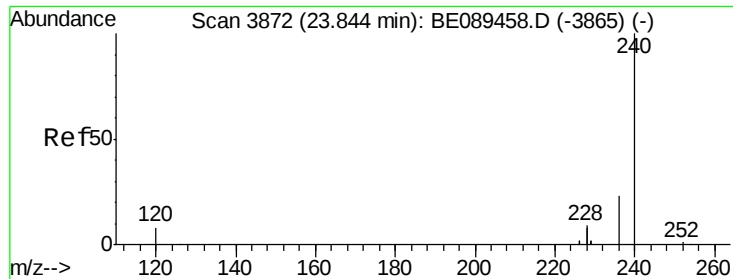
Tgt Ion: 284 Resp: 165
Ion Ratio Lower Upper
284 100
142 161.4 31.8 47.8#
249 61.4 23.5 35.3#



#19
Pentachlorophenol
Concen: 0.23 ng
RT: 19.67 min Scan# 3192
Delta R.T. 0.00 min
Lab File: BE089468.D
Acq: 2 Feb 2015 23:05

Tgt Ion: 266 Resp: 240
Ion Ratio Lower Upper
266 100
268 65.9 52.6 78.8
264 65.4 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: BE089468.D

Acq: 2 Feb 2015 23:05

Instrument :

BNA_E

ClientSampleId :

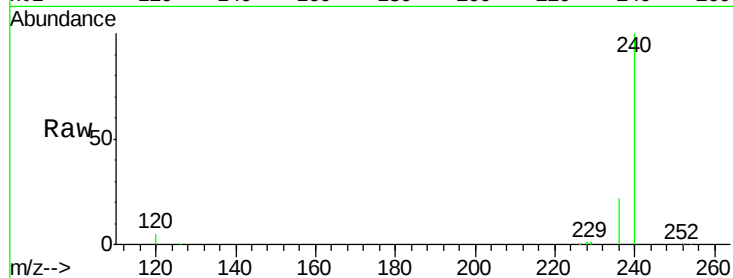
Tgt Ion:240 Resp: 506121

Ion Ratio Lower Upper

240 100

120 5.3 6.2 9.4#

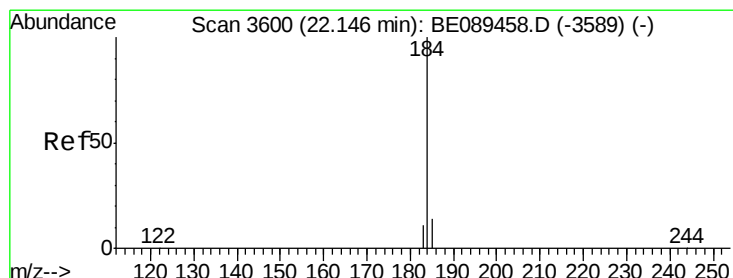
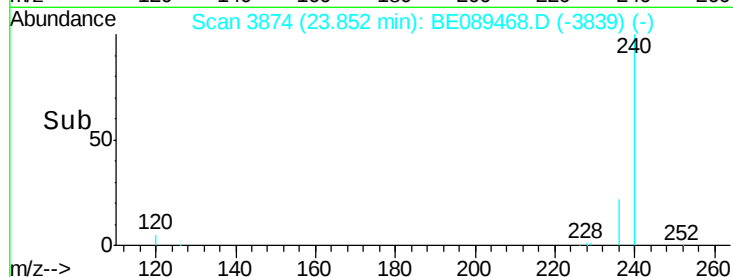
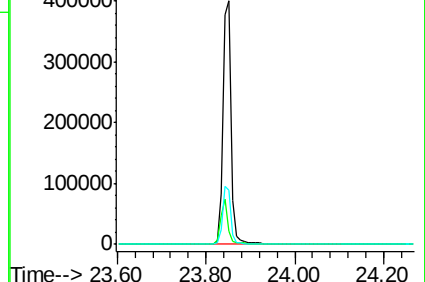
236 22.0 18.2 27.4



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: 22.18 min Scan# 3608

Delta R.T. 0.04 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

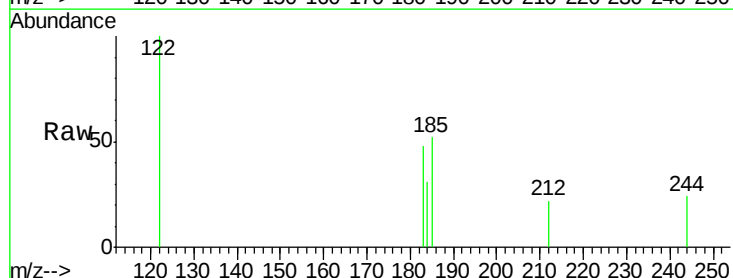
Tgt Ion:184 Resp: 38

Ion Ratio Lower Upper

184 100

185 166.3 11.7 17.5#

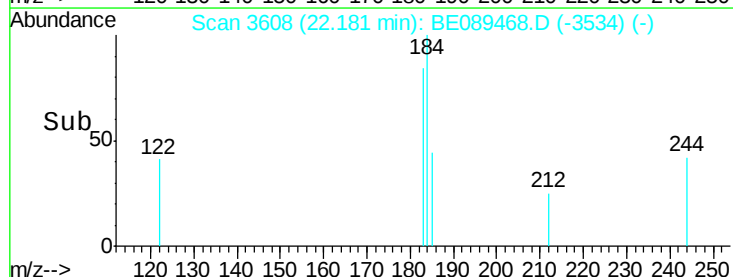
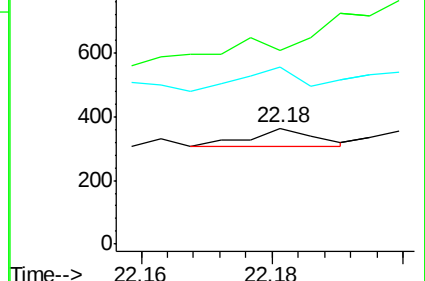
183 152.3 9.4 14.0#

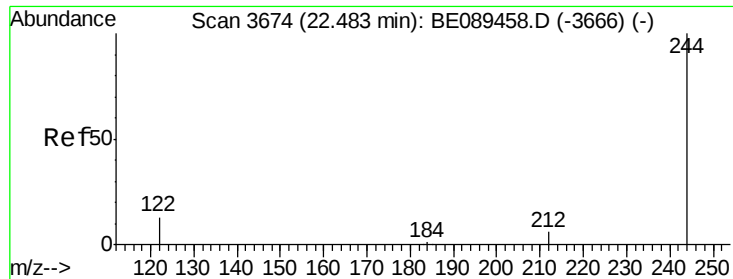


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

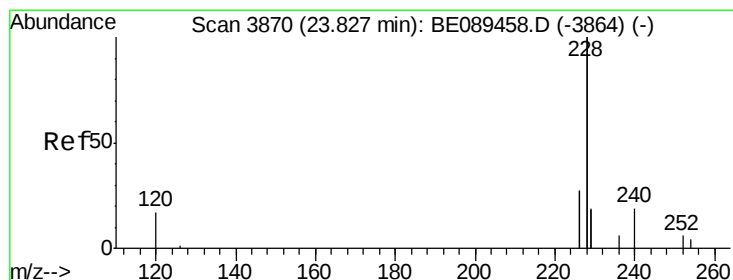
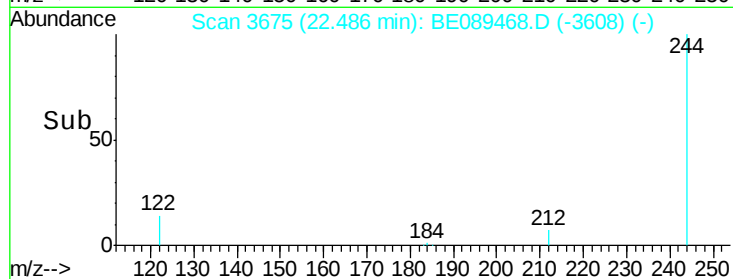
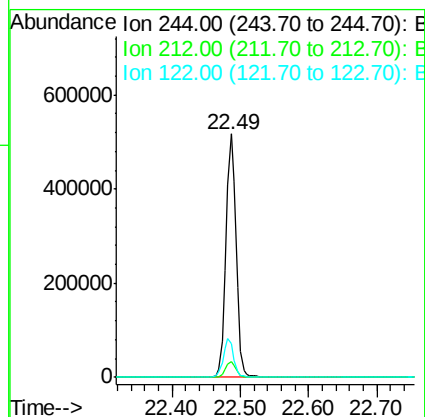
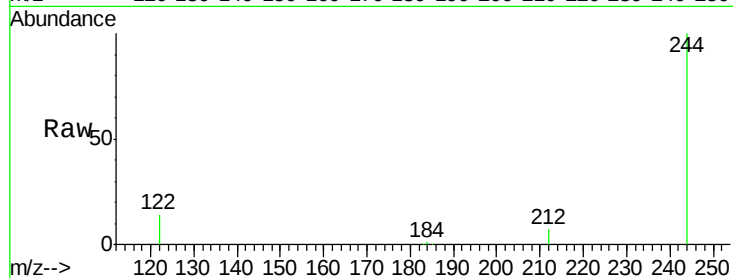




#22
 Terphenyl-d14
 Concen: 9.35 ng
 RT: 22.49 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: BE089468.D
 Acq: 2 Feb 2015 23:05

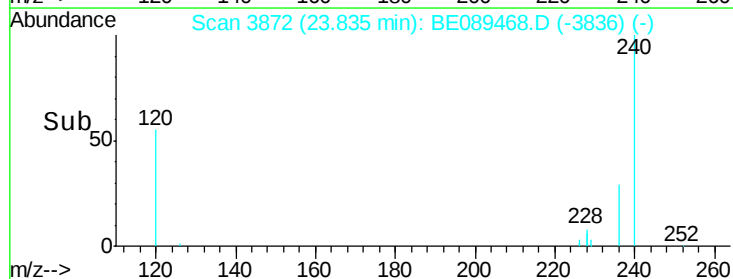
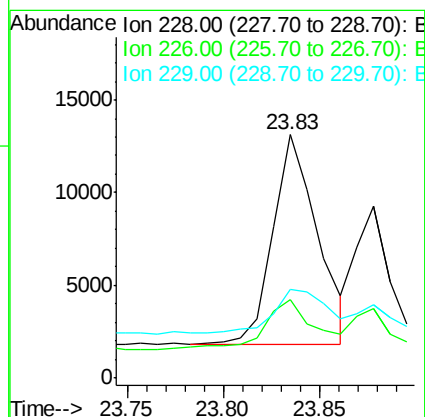
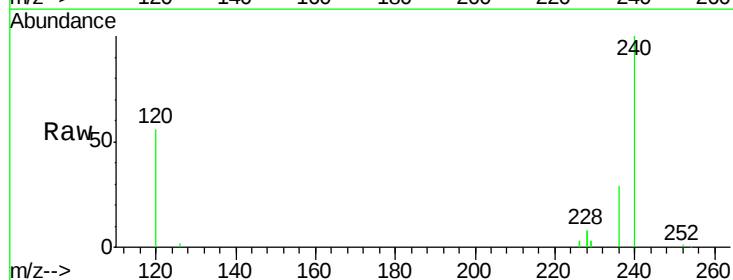
Instrument :
 BNA_E
 ClientSampleId :

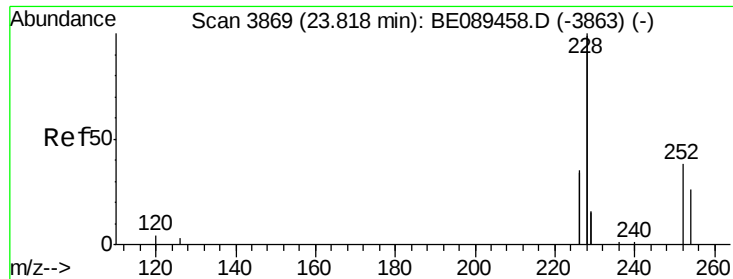
Tgt Ion:244 Resp: 534748
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.3 7.9
 122 13.8 10.5 15.7



#23
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 23.83 min Scan# 3872
 Delta R.T. 0.01 min
 Lab File: BE089468.D
 Acq: 2 Feb 2015 23:05

Tgt Ion:228 Resp: 18054
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.7 32.5
 229 36.4 14.8 22.2#

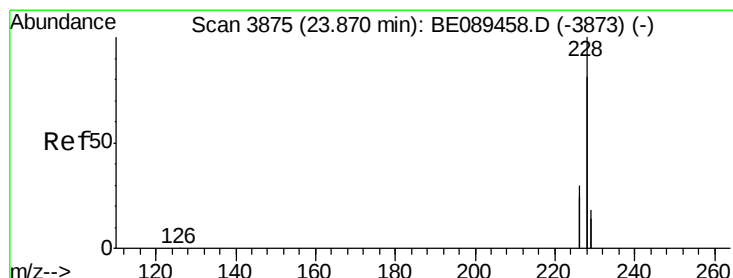
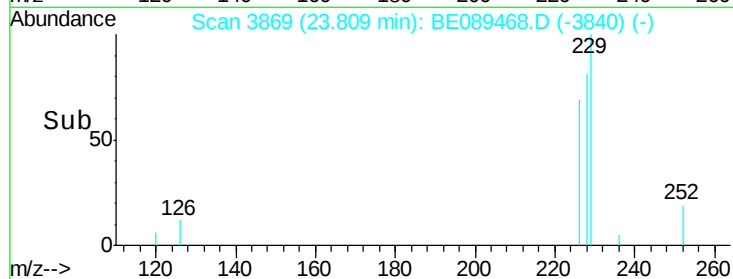
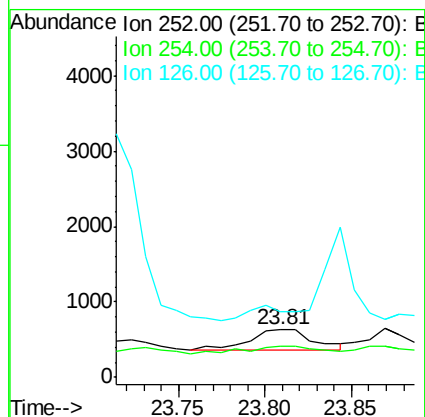
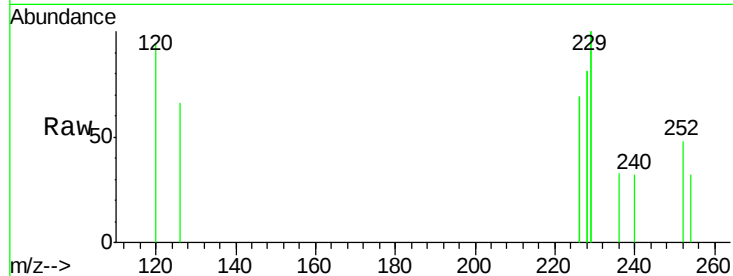




#24
 3,3'-Dichlorobenzidine
 Concen: 0.21 ng
 RT: 23.81 min Scan# 3869
 Delta R.T. -0.01 min
 Lab File: BE089468.D
 Acq: 2 Feb 2015 23:05

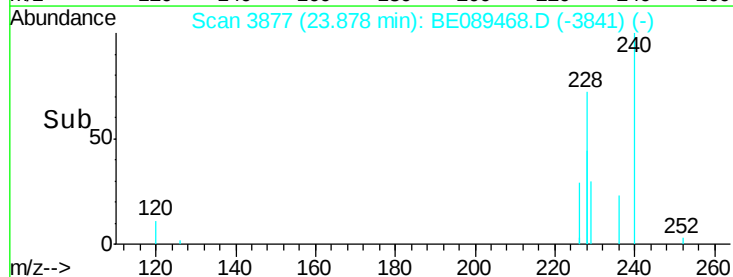
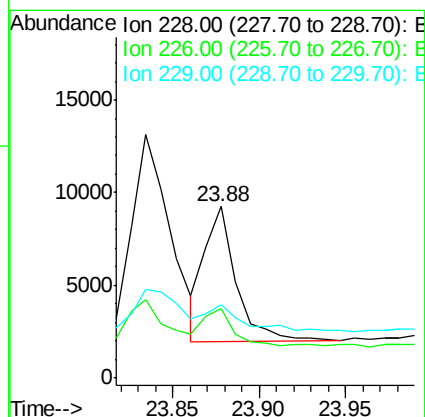
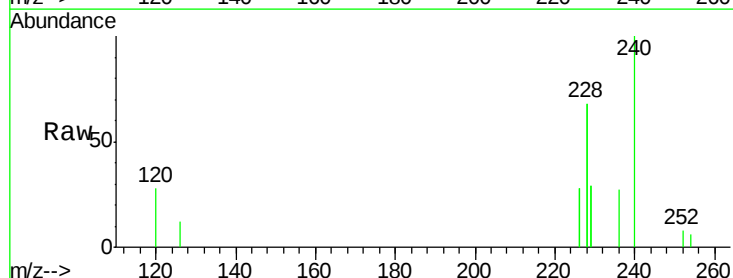
Instrument :
 BNA_E
 ClientSampleId :

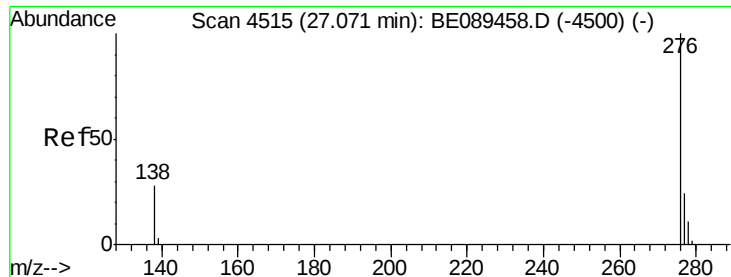
Tgt Ion: 252 Resp: 687
 Ion Ratio Lower Upper
 252 100
 254 66.5 54.6 82.0
 126 139.2 8.0 12.0#



#25
 Chrysene
 Concen: 0.02 ng
 RT: 23.88 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: BE089468.D
 Acq: 2 Feb 2015 23:05

Tgt Ion: 228 Resp: 9326
 Ion Ratio Lower Upper
 228 100
 226 40.5 23.8 35.8#
 229 42.5 14.3 21.5#

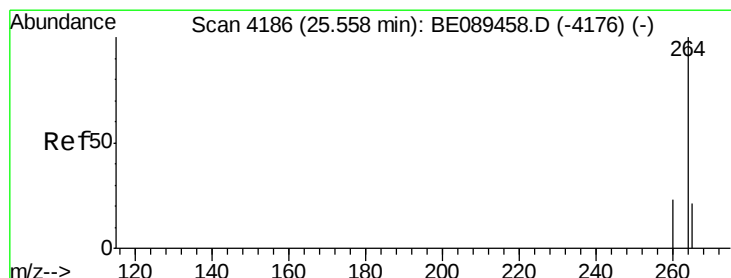
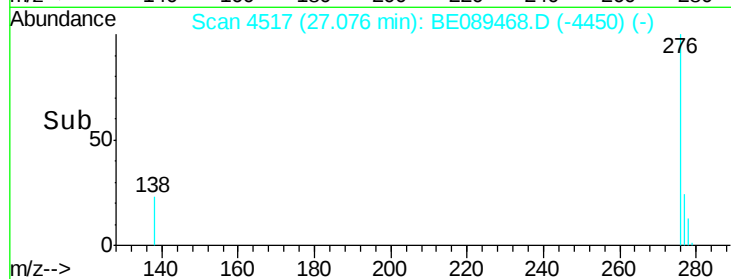
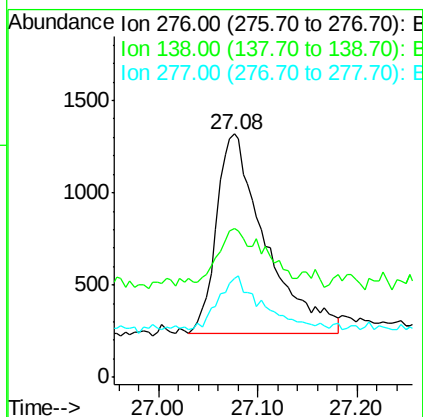
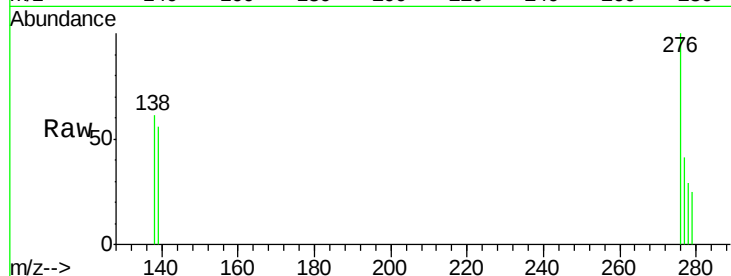




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.23 ng
 RT: 27.08 min Scan# 4517
 Delta R.T. 0.01 min
 Lab File: BE089468.D
 Acq: 2 Feb 2015 23:05

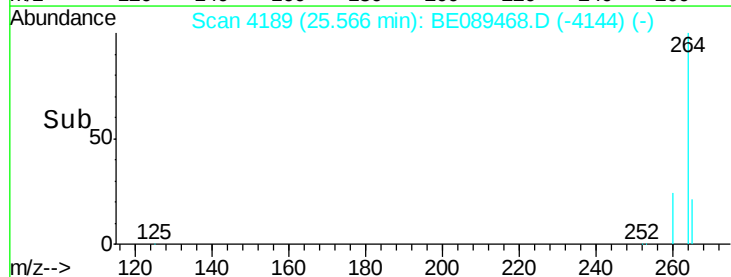
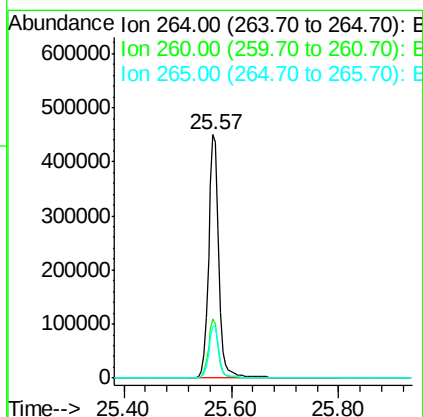
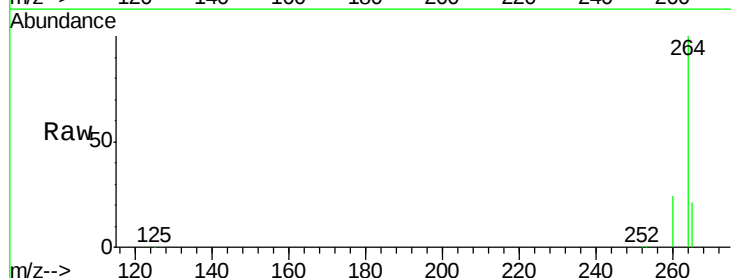
Instrument :
 BNA_E
 ClientSampleId :

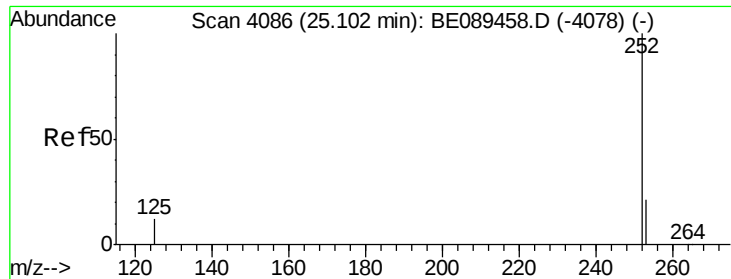
Tgt Ion: 276 Resp: 3677
 Ion Ratio Lower Upper
 276 100
 138 16.1 23.3 34.9#
 277 24.3 19.0 28.4



#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.57 min Scan# 4189
 Delta R.T. 0.01 min
 Lab File: BE089468.D
 Acq: 2 Feb 2015 23:05

Tgt Ion: 264 Resp: 602504
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.7 28.1
 265 21.4 17.0 25.6





#28

Benzo(b)fluoranthene

Concen: 0.28 ng

RT: 25.11 min Scan# 4088

Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

Instrument :

BNA_E

ClientSampleId :

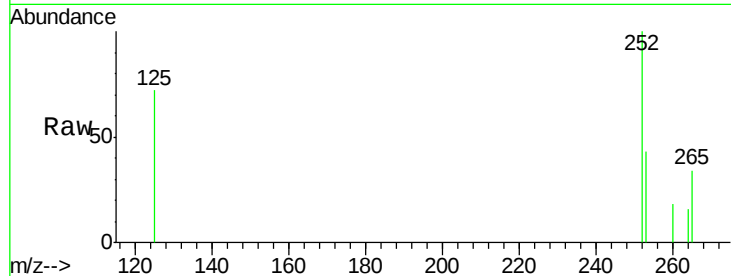
Tgt Ion:252 Resp: 2898

Ion Ratio Lower Upper

252 100

253 43.4 17.4 26.0#

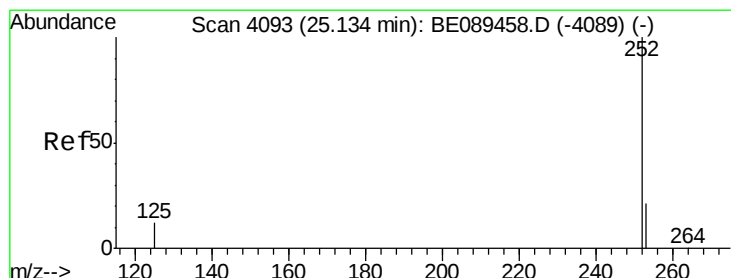
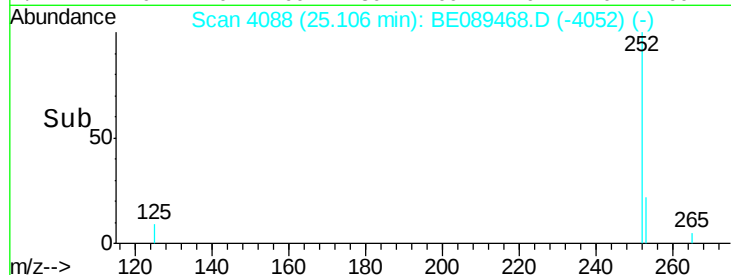
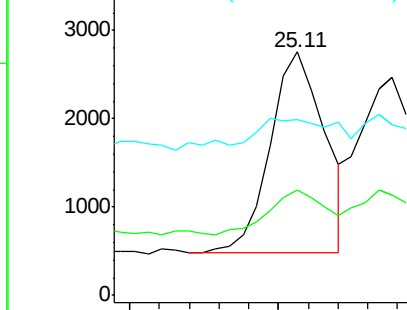
125 72.1 10.4 15.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#29

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 25.14 min Scan# 4095

Delta R.T. 0.00 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

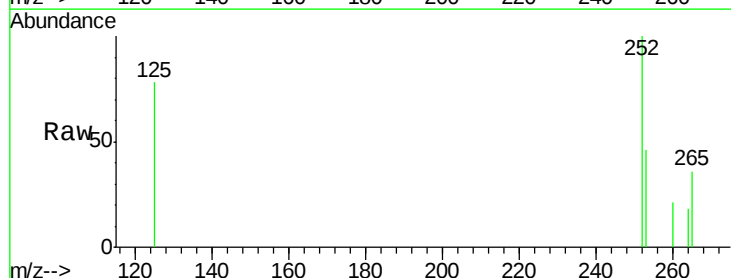
Tgt Ion:252 Resp: 3145

Ion Ratio Lower Upper

252 100

253 46.0 17.5 26.3#

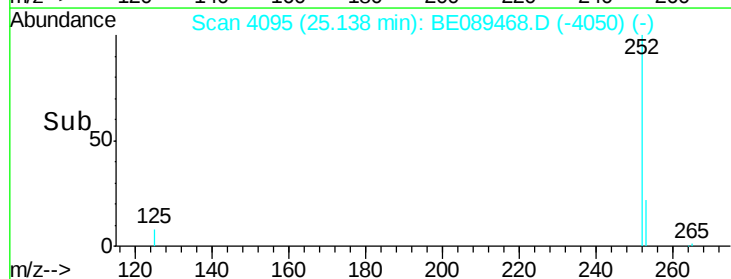
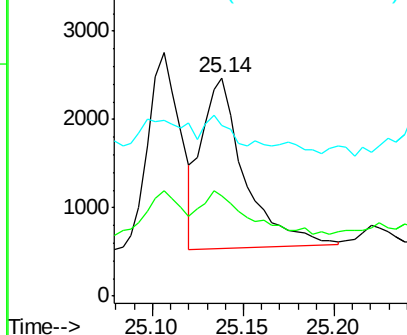
125 78.1 10.3 15.5#

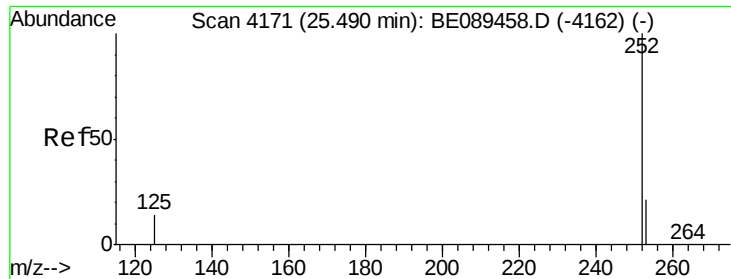


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#30

Benzo(a)pyrene

Concen: 0.25 ng

RT: 25.49 min Scan# 4172

Delta R.T. -0.00 min

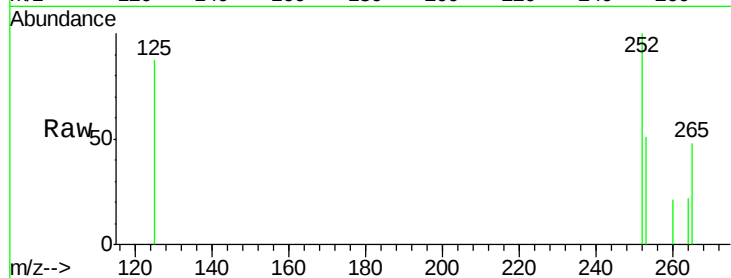
Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

Instrument :

BNA_E

ClientSampleId :



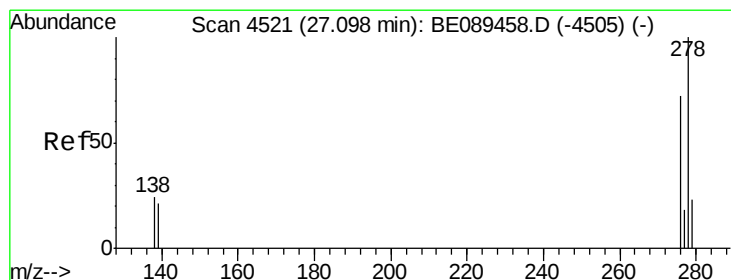
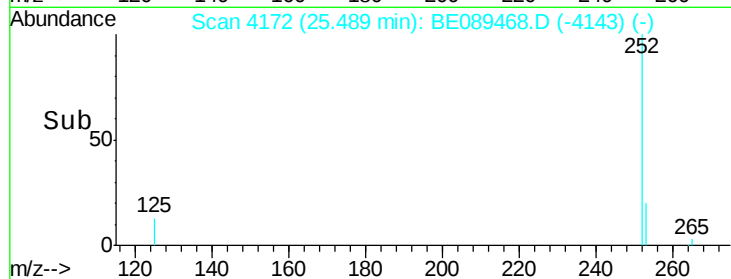
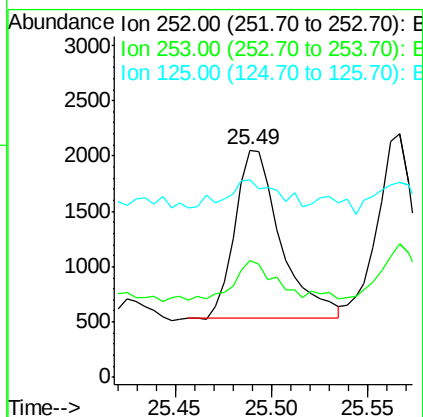
Tgt Ion: 252 Resp: 2530

Ion Ratio Lower Upper

252 100

253 51.2 17.5 26.3#

125 86.7 11.8 17.8#



#31

Dibenzo(a,h)anthracene

Concen: 0.23 ng

RT: 27.10 min Scan# 4523

Delta R.T. 0.01 min

Lab File: BE089468.D

Acq: 2 Feb 2015 23:05

Tgt Ion: 278 Resp: 2355

Ion Ratio Lower Upper

278 100

139 76.6 17.1 25.7#

279 41.9 18.8 28.2#

