

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089474.D
 Acq On : 3 Feb 2015 4:19
 Operator : TP/IZ
 Sample : G1110-11
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 06:25:30 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	86654	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	287944	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	137572	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	339037	5.00	ng	0.00
20) Chrysene-d12	23.84	240	541087	5.00	ng	0.00
27) Perylene-d12	25.57	264	634126	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.76	112	104190	3.59	ng	0.00
4) Phenol-d6	8.89	99	94292	2.79	ng	0.02
8) Nitrobenzene-d5	10.85	82	119638	5.72	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	71647	20.66	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	195895	5.09	ng	0.00
22) Terphenyl-d14	22.49	244	564065	9.22	ng	0.00

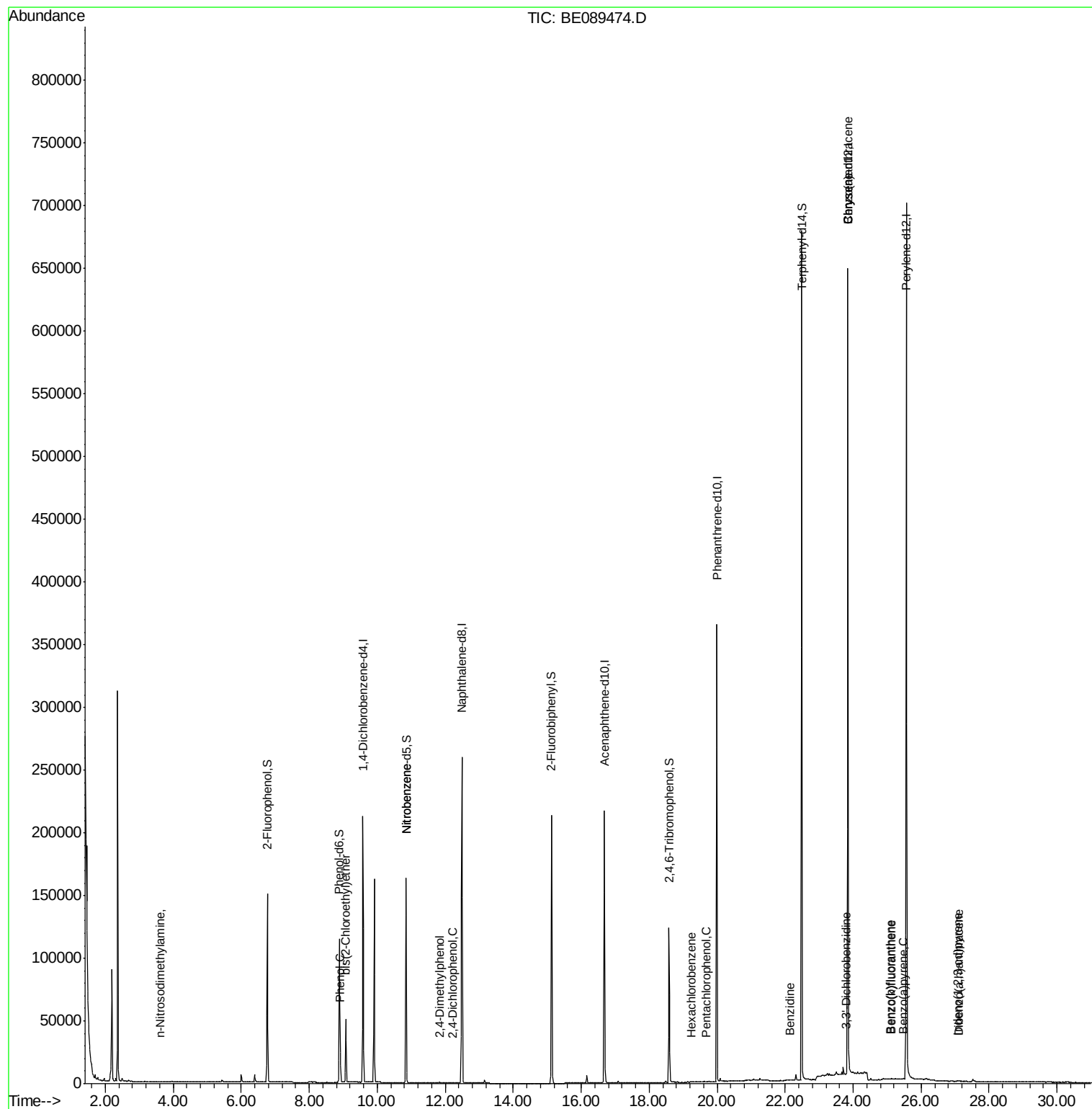
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.62	42	12	0.11	ng	# 1
5) Phenol	8.92	94	10923	0.30	ng	99
6) bis(2-Chloroethyl)ether	9.08	93	262	0.01	ng	# 1
9) Nitrobenzene	10.85	77	438	0.02	ng	# 35
10) 2,4-Dimethylphenol	11.84	122	97	0.01	ng	# 66
11) 2,4-Dichlorophenol	12.22	162	11	0.00	ng	# 14
16) 2,4-Dinitrophenol	16.92	184	22	Below Cal		# 6
18) Hexachlorobenzene	19.23	284	31	0.00	ng	# 1
19) Pentachlorophenol	19.67	266	45	0.09	ng	# 83
21) Benzidine	22.15	184	90	0.32	ng	# 1
23) Benzo(a)anthracene	23.84	228	11709	0.03	ng	# 72
24) 3,3'-Dichlorobenzidine	23.79	252	85	0.20	ng	# 10
25) Chrysene	23.84	228	11709	0.02	ng	# 72
26) Indeno(1,2,3-cd)pyrene	27.07	276	1108	0.22	ng	# 79
28) Benzo(b)fluoranthene	25.10	252	556	0.26	ng	# 1
29) Benzo(k)fluoranthene	25.13	252	836	0.01	ng	# 1
30) Benzo(a)pyrene	25.49	252	763	0.24	ng	# 1
31) Dibenzo(a,h)anthracene	27.10	278	643	0.22	ng	# 1

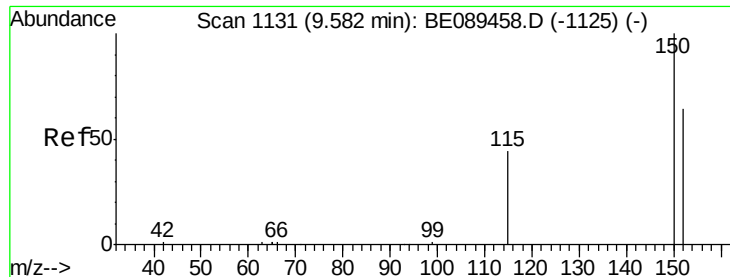
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089474.D

Acq: 3 Feb 2015 4:19

Instrument :

BNA_E

ClientSampled :

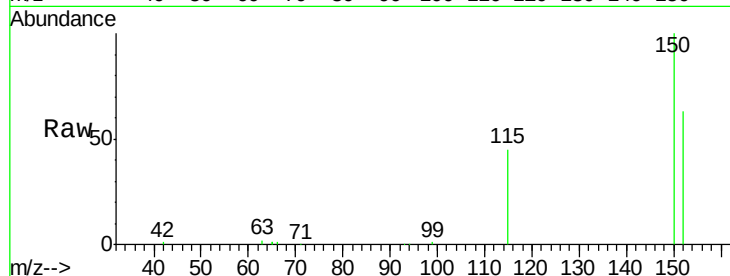
Tgt Ion:152 Resp: 86654

Ion Ratio Lower Upper

152 100

150 158.6 124.6 186.8

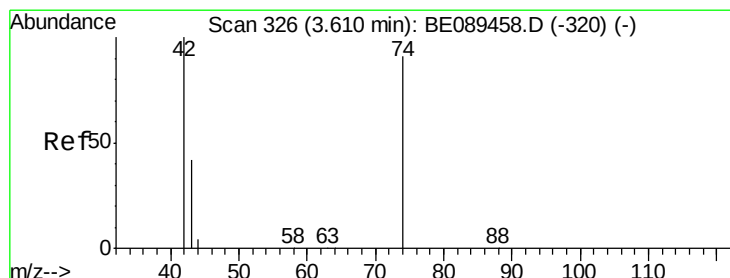
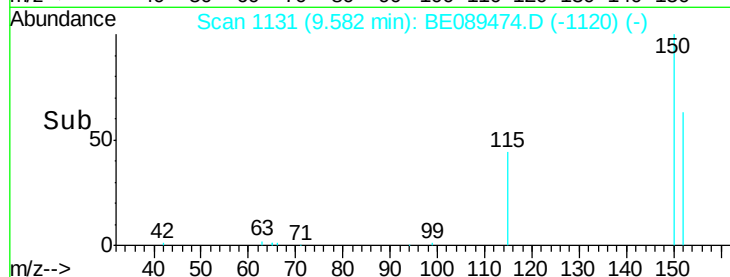
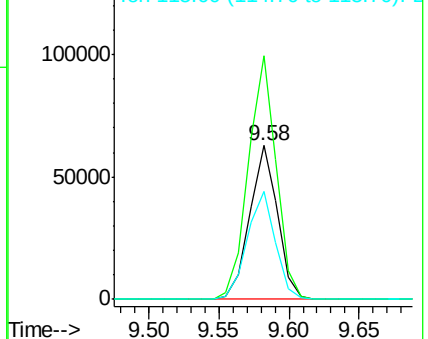
115 70.6 55.4 83.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

n-Nitrosodimethylamine

Concen: 0.11 ng

RT: 3.62 min Scan# 327

Delta R.T. 0.01 min

Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

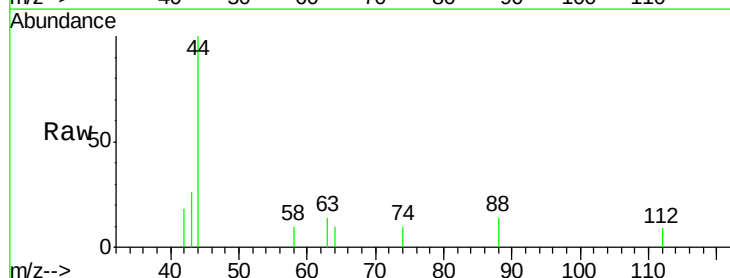
Tgt Ion: 42 Resp: 12

Ion Ratio Lower Upper

42 100

74 54.6 72.1 108.1#

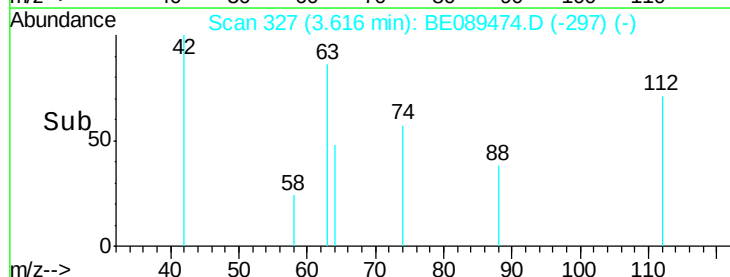
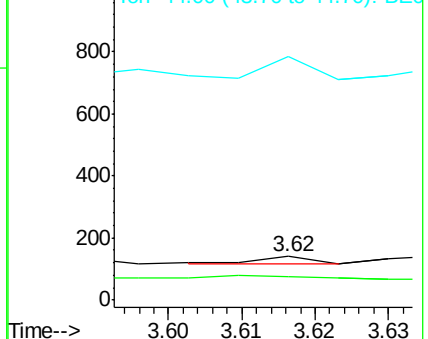
44 556.7 28.0 42.0#

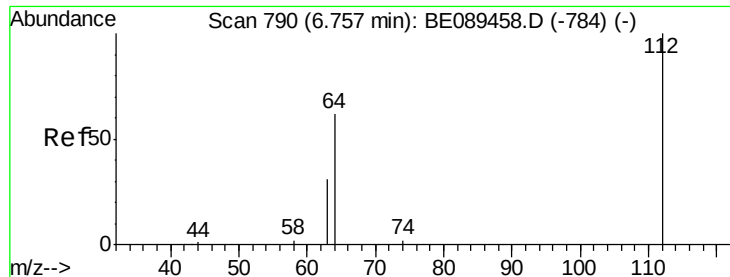


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 3.59 ng

RT: 6.76 min Scan# 791

Delta R.T. 0.01 min

Lab File: BE089474.D

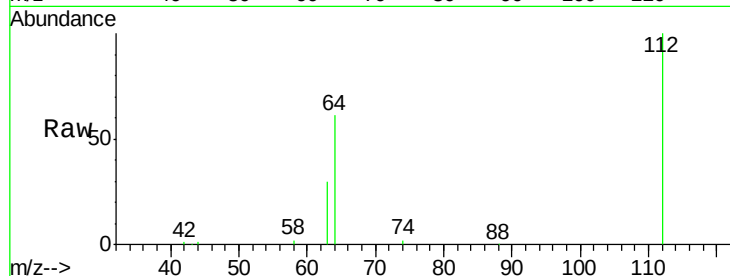
Acq: 3 Feb 2015 4:19

Instrument :

BNA_E

ClientSampled :

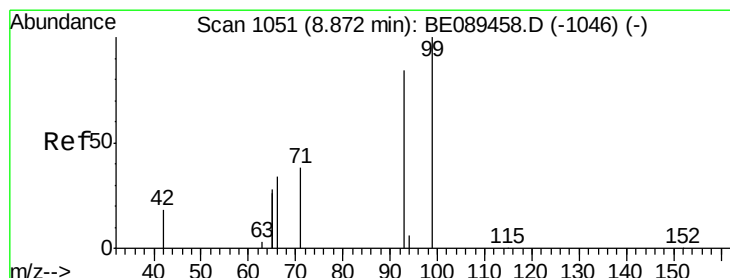
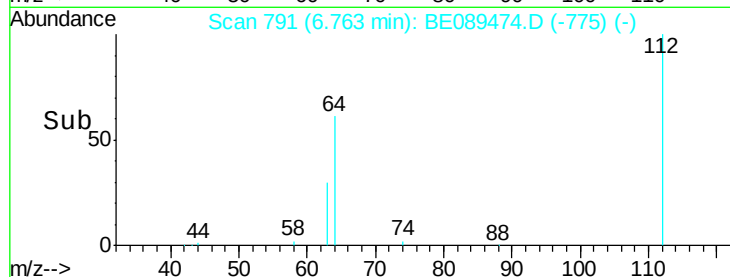
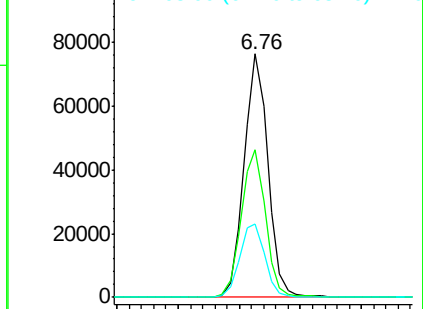
Tgt Ion:	112	Resp:	104190
Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.8	74.8
63	30.3	24.9	37.3



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: 2.79 ng

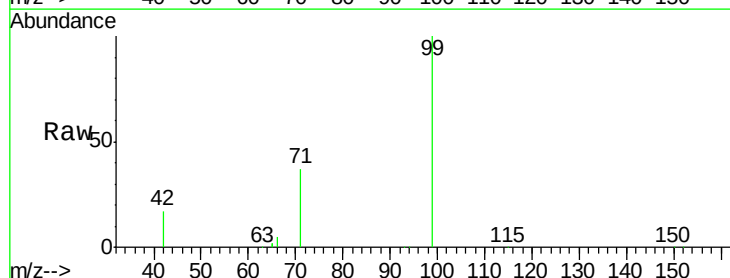
RT: 8.89 min Scan# 1053

Delta R.T. 0.02 min

Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

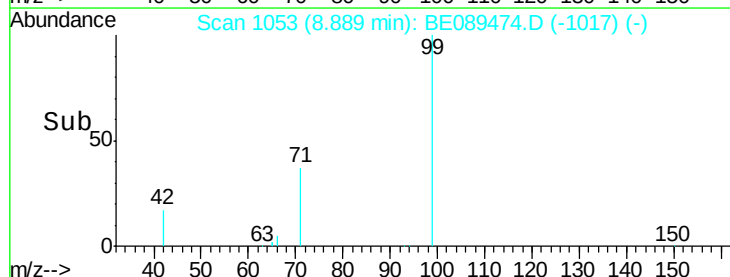
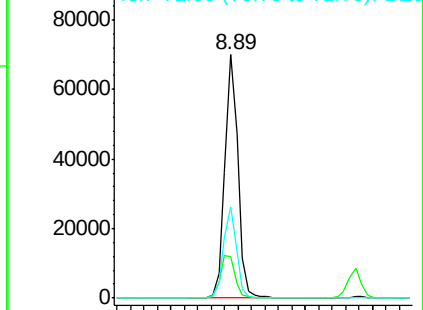
Tgt Ion:	99	Resp:	94292
Ion	Ratio	Lower	Upper
99	100		
42	17.0	15.0	22.4
71	37.4	30.6	46.0

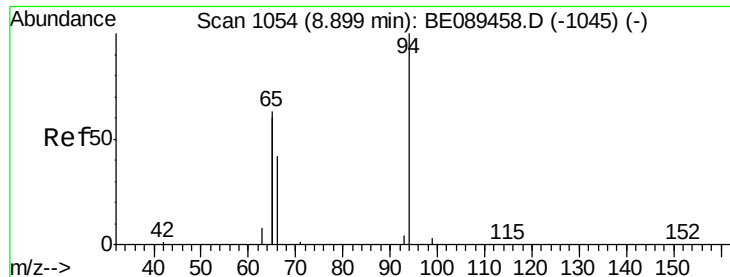


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE089474.D

Acq: 3 Feb 2015 4:19

Instrument :

BNA_E

ClientSampled :

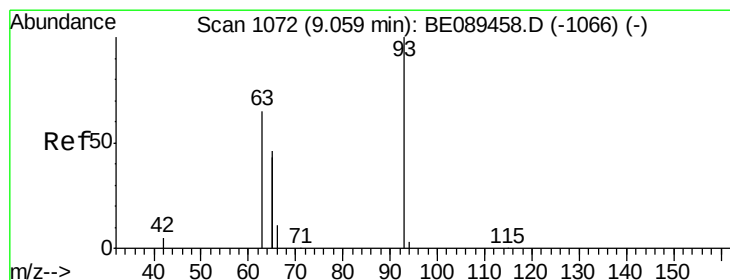
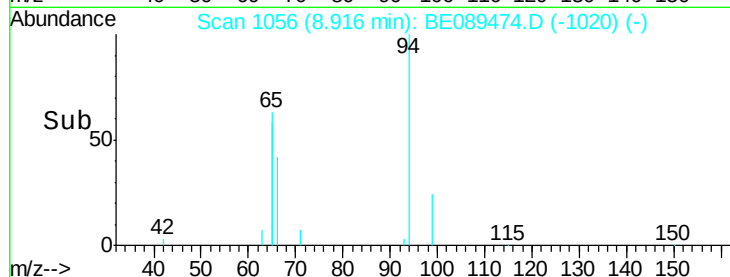
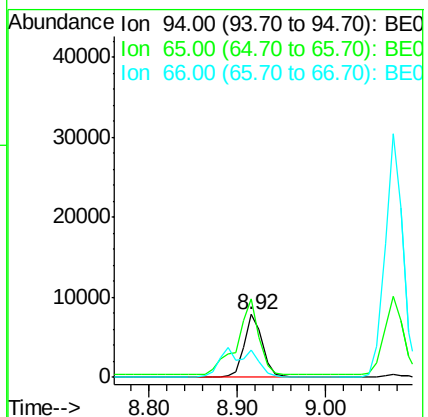
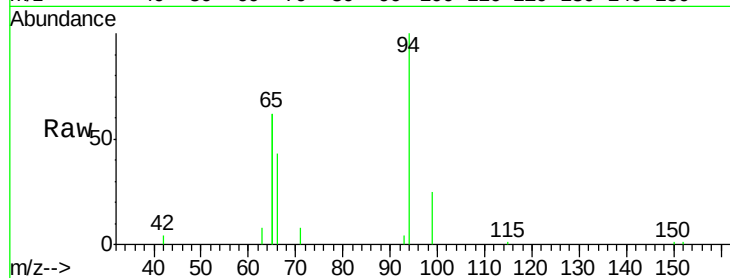
Tgt Ion: 94 Resp: 10923

Ion Ratio Lower Upper

94 100

65 124.1 105.0 145.0

66 42.7 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: BE089474.D

Acq: 3 Feb 2015 4:19

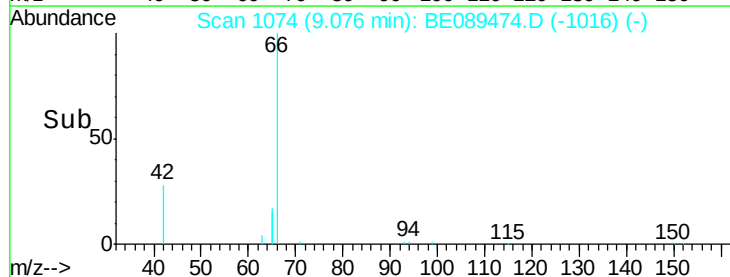
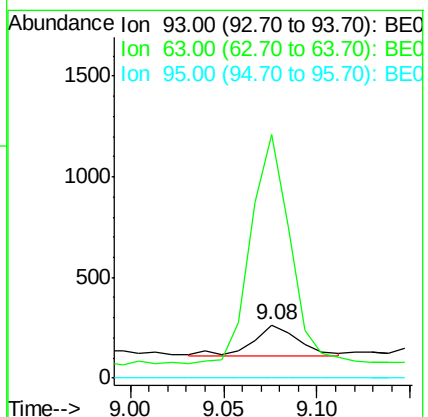
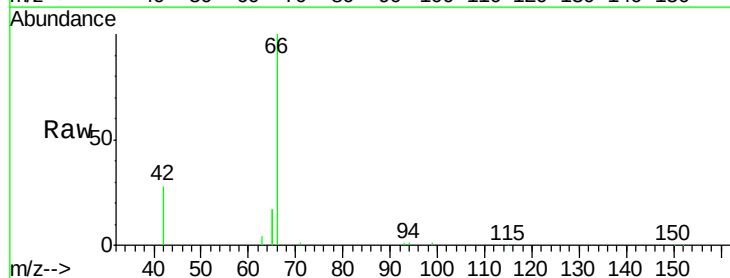
Tgt Ion: 93 Resp: 262

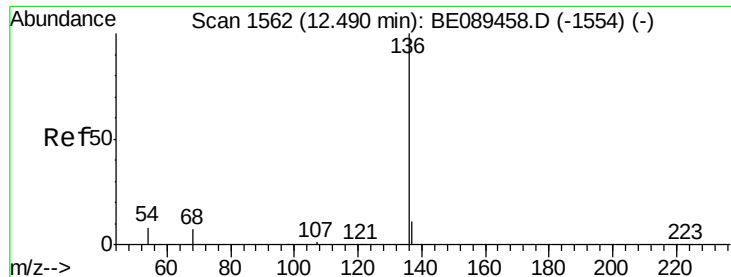
Ion Ratio Lower Upper

93 100

63 646.2 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: BE089474.D

Acq: 3 Feb 2015 4:19

Instrument :

BNA_E

ClientSampleId :

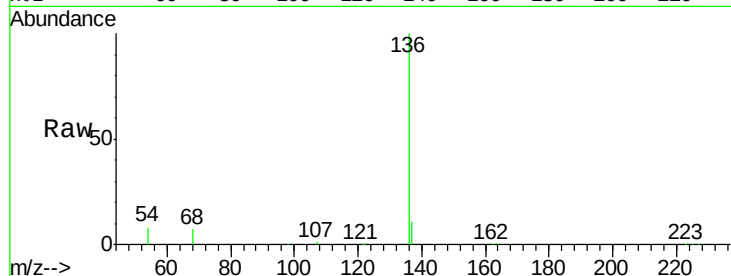
Tgt Ion: 136 Resp: 287944

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

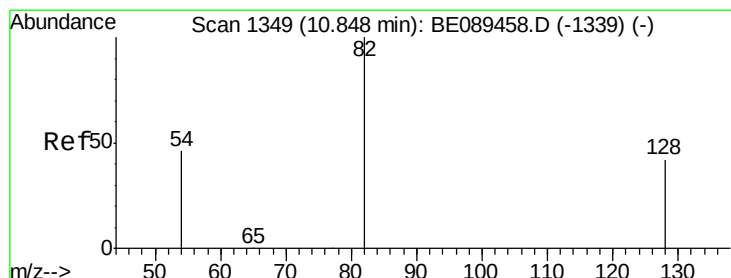
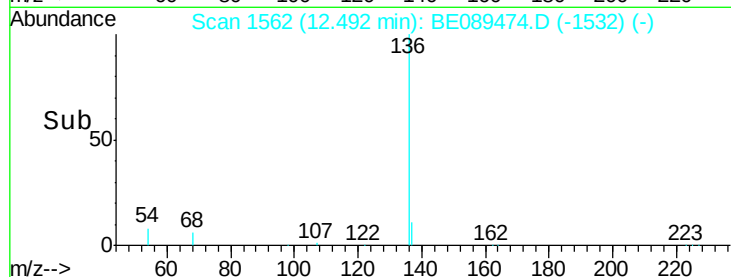
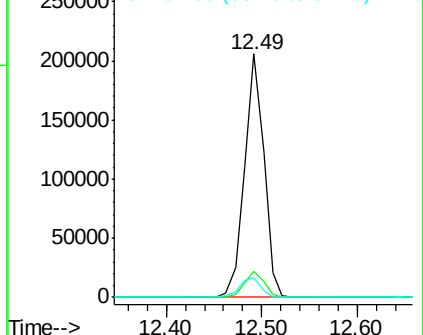
54 8.1 6.5 9.7



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: 5.72 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

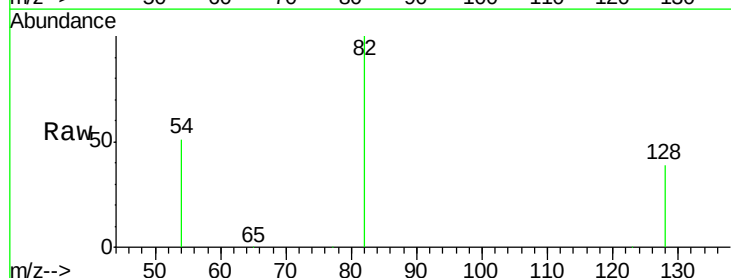
Tgt Ion: 82 Resp: 119638

Ion Ratio Lower Upper

82 100

128 38.9 34.2 51.2

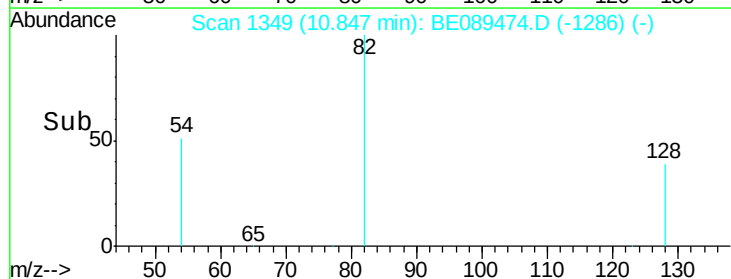
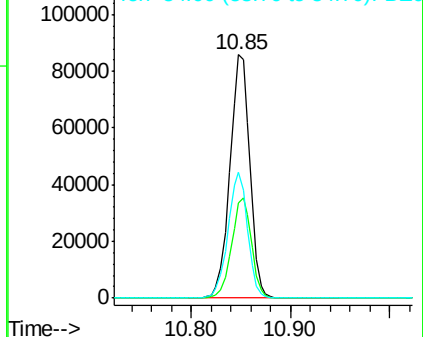
54 51.5 37.3 55.9

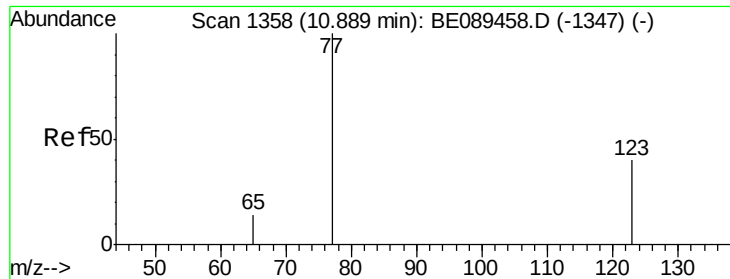


Abundance Ion 82.00 (81.70 to 82.70): BE0

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# 1349

Delta R.T. -0.04 min

Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

Instrument :

BNA_E

ClientSampleId :

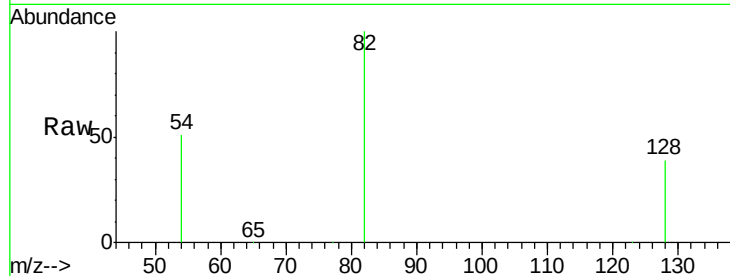
Tgt Ion: 77 Resp: 438

Ion Ratio Lower Upper

77 100

123 0.0 33.6 50.4#

65 39.0 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BE089458.D (-1347) (-)

Ion 123.00 (122.70 to 123.70): BE089458.D (-1347) (-)

Ion 65.00 (64.70 to 65.70): BE089458.D (-1347) (-)

10.85

400

300

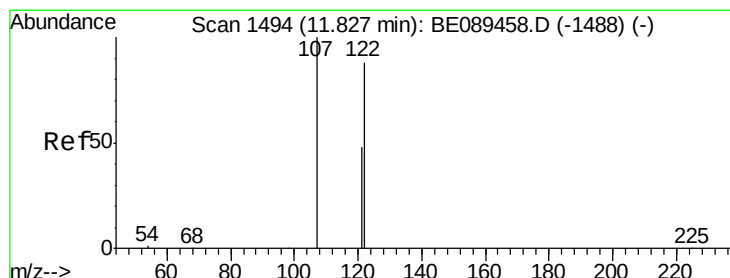
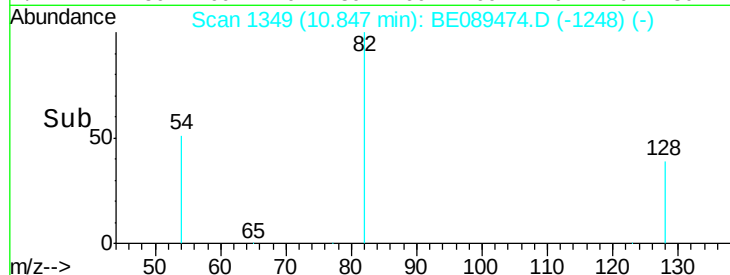
200

100

0

10.80 10.85

Time-->



#10

2,4-Dimethylphenol

Concen: 0.01 ng

RT: 11.84 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

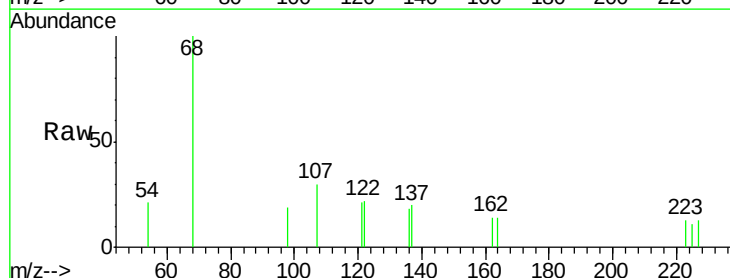
Tgt Ion: 122 Resp: 97

Ion Ratio Lower Upper

122 100

107 137.8 90.6 136.0#

121 95.6 43.7 65.5#



Abundance Ion 122.00 (121.70 to 122.70): BE089458.D (-1488) (-)

Ion 107.00 (106.70 to 107.70): BE089458.D (-1488) (-)

Ion 121.00 (120.70 to 121.70): BE089458.D (-1488) (-)

11.84

150

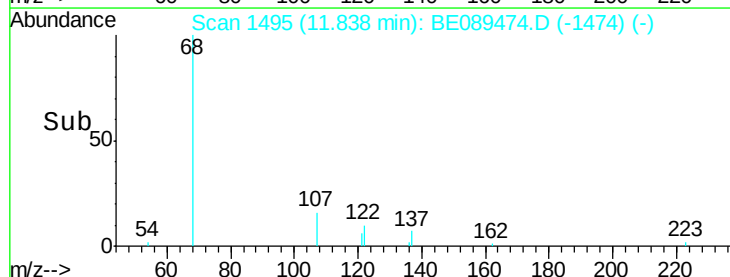
100

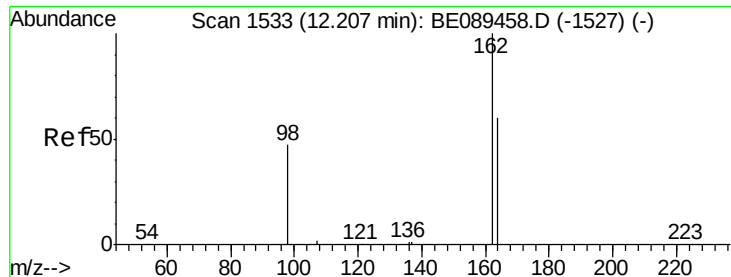
50

0

11.80 11.85 11.90

Time-->

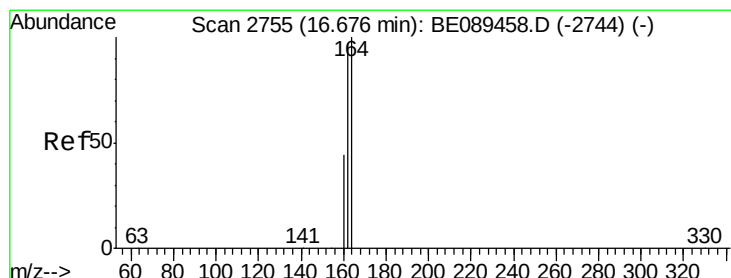
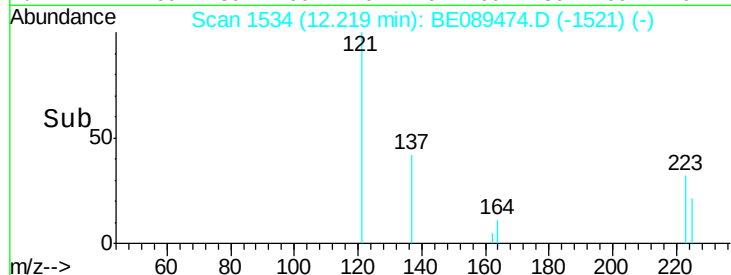
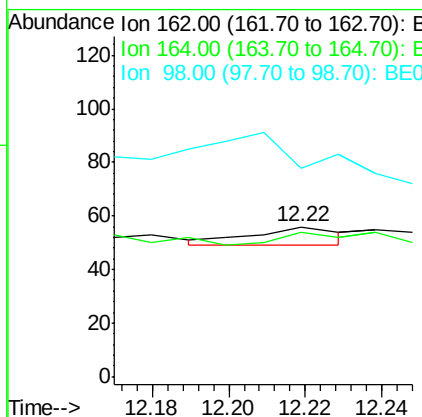
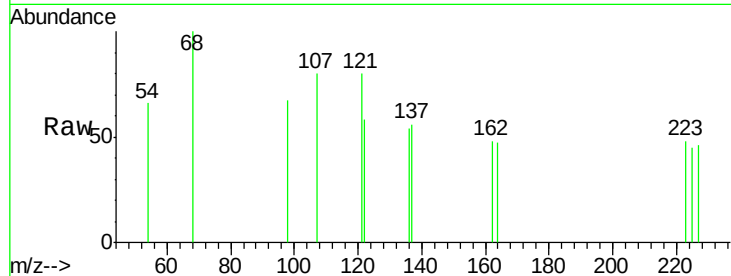




#11
 2,4-Dichlorophenol
 Concen: 0.00 ng
 RT: 12.22 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: BE089474.D
 Acq: 3 Feb 2015 4:19

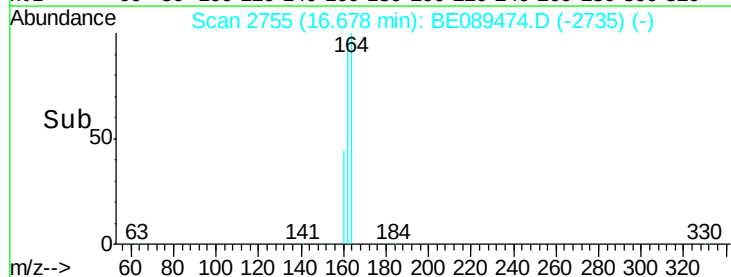
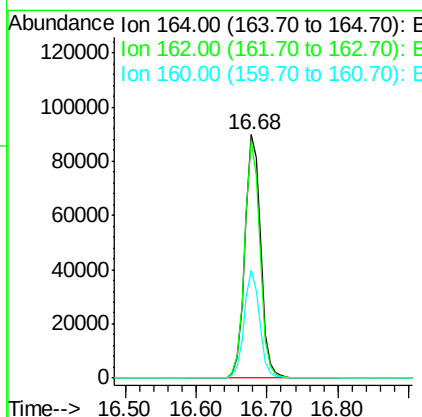
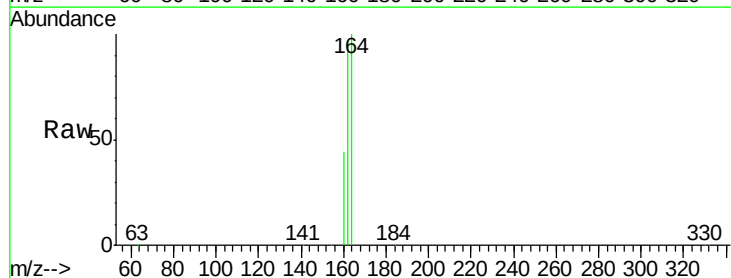
Instrument :
 BNA_E
 ClientSampled :

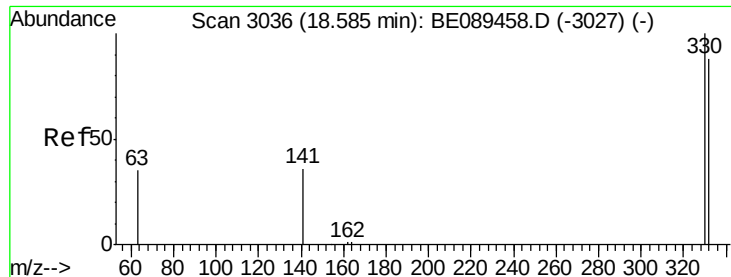
Tgt Ion:162 Resp: 11
 Ion Ratio Lower Upper
 162 100
 164 96.4 40.5 80.5#
 98 139.3 28.1 68.1#



#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.68 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE089474.D
 Acq: 3 Feb 2015 4:19

Tgt Ion:164 Resp: 137572
 Ion Ratio Lower Upper
 164 100
 162 97.2 77.4 116.2
 160 44.2 35.5 53.3

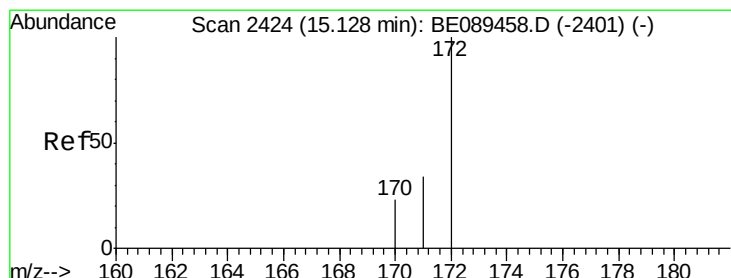
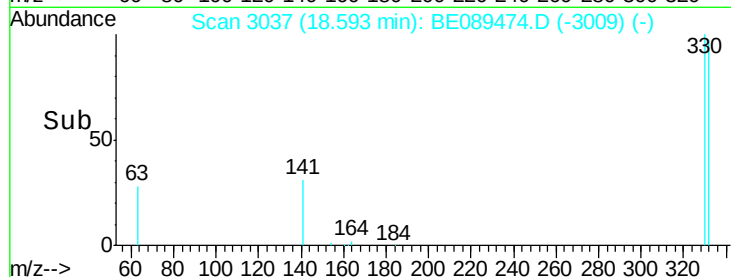
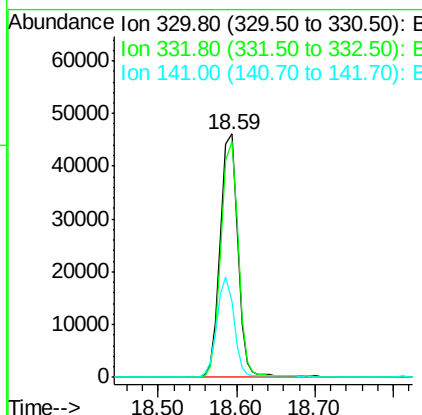
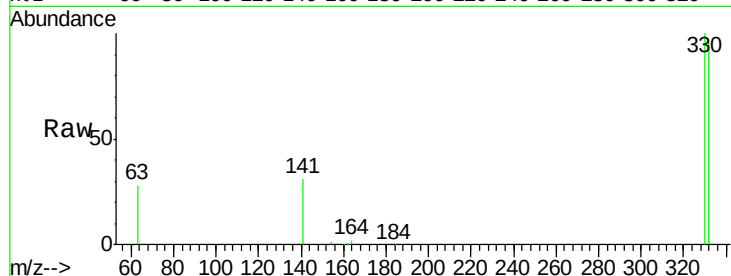




#14
 2,4,6-Tribromophenol
 Concen: 20.66 ng
 RT: 18.59 min Scan# 3037
 Delta R.T. 0.01 min
 Lab File: BE089474.D
 Acq: 3 Feb 2015 4:19

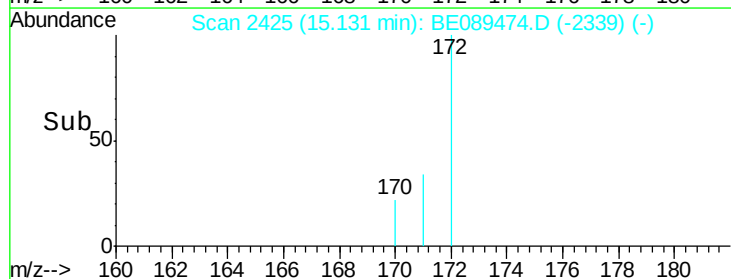
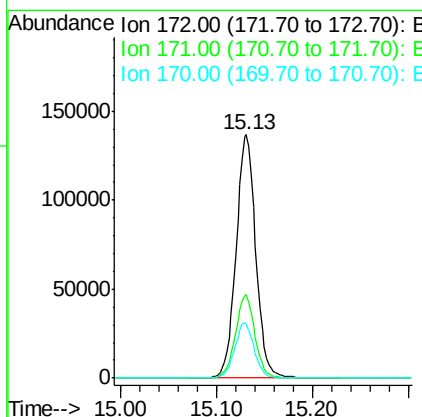
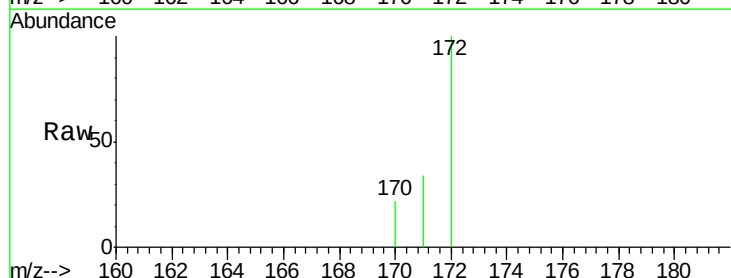
Instrument :
 BNA_E
 ClientSampleId :

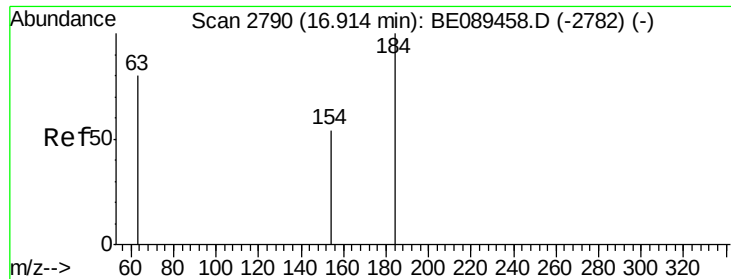
Tgt Ion:330 Resp: 71647
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.4 113.2
 141 39.8 35.7 53.5



#15
 2-Fluorobiphenyl
 Concen: 5.09 ng
 RT: 15.13 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BE089474.D
 Acq: 3 Feb 2015 4:19

Tgt Ion:172 Resp: 195895
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.7 41.5
 170 22.2 18.3 27.5

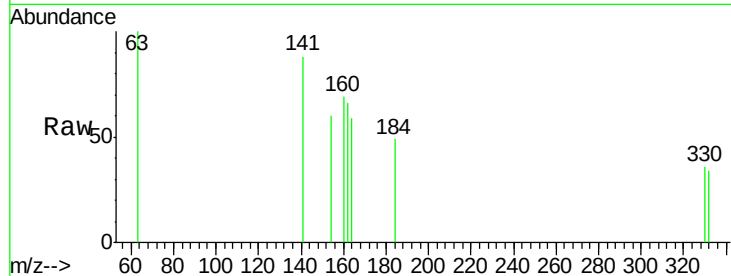




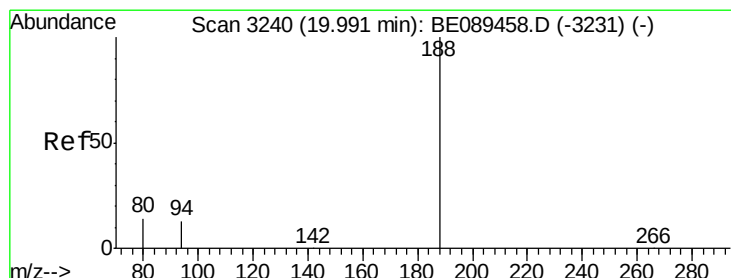
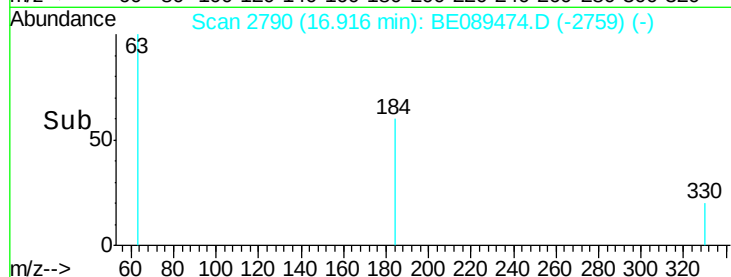
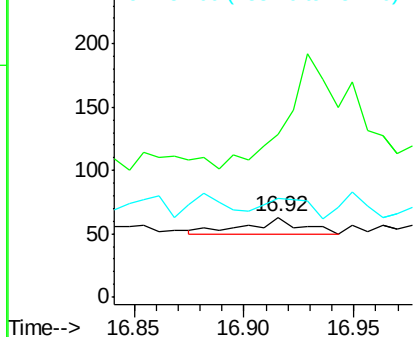
#16
2,4-Dinitrophenol
Concen: Below Cal
RT: 16.92 min Scan# 2790
Delta R.T. 0.00 min
Lab File: BE089474.D
Acq: 3 Feb 2015 4:19

Instrument :
BNA_E
ClientSampled :

Tgt Ion:184 Resp: 22
Ion Ratio Lower Upper
184 100
63 204.8 77.0 115.6#
154 123.8 54.0 81.0#

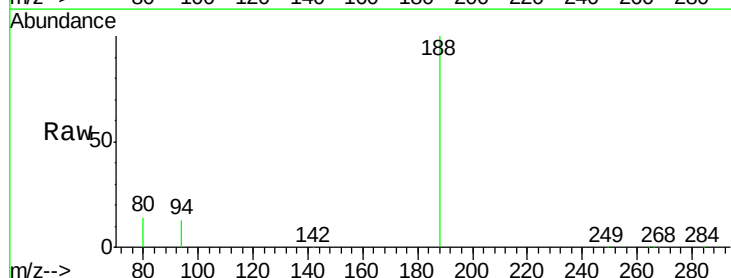


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 154.00 (153.70 to 154.70): E

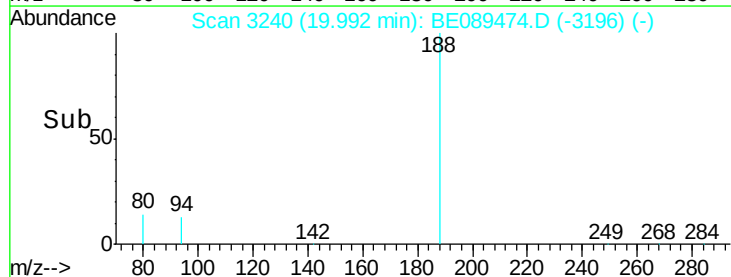
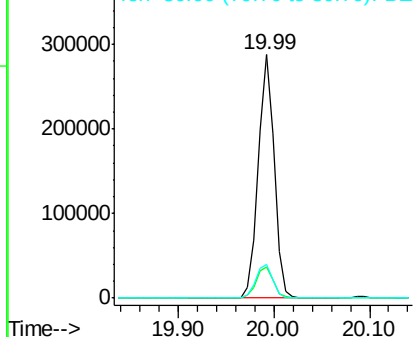


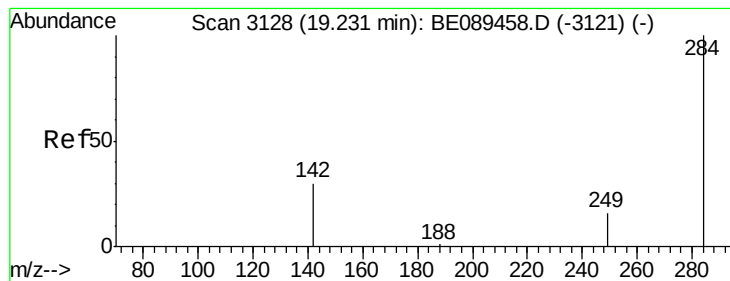
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.00 min
Lab File: BE089474.D
Acq: 3 Feb 2015 4:19

Tgt Ion:188 Resp: 339037
Ion Ratio Lower Upper
188 100
94 13.0 10.2 15.4
80 13.8 10.9 16.3



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





#18

Hexachlorobenzene

Concen: 0.00 ng

RT: 19.23 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

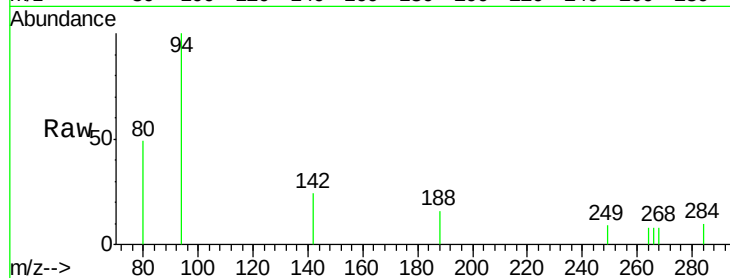
Instrument :

BNA_E

ClientSampled :

Tgt Ion:284 Resp: 31

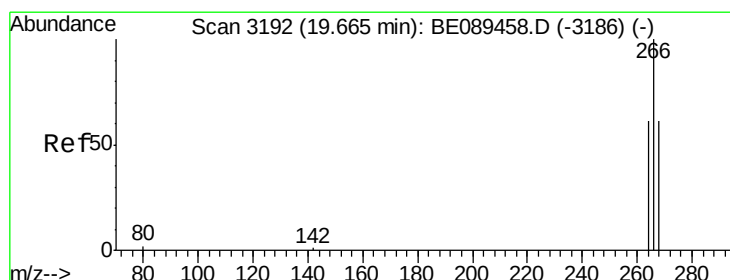
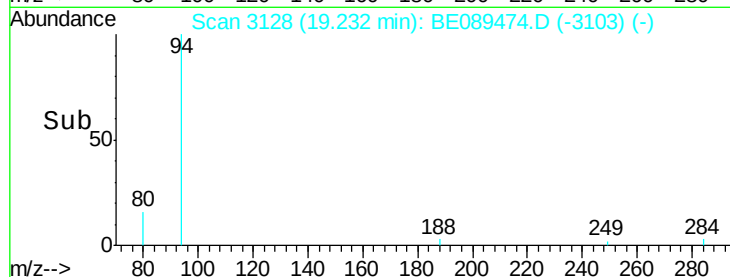
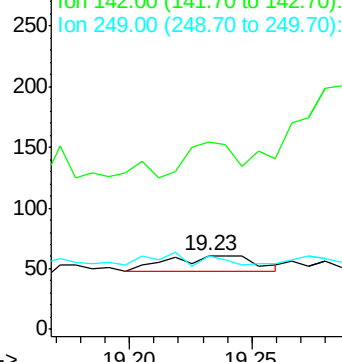
Ion	Ratio	Lower	Upper
284	100		
142	252.5	31.8	47.8#
249	98.4	23.5	35.3#



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: 19.67 min Scan# 3193

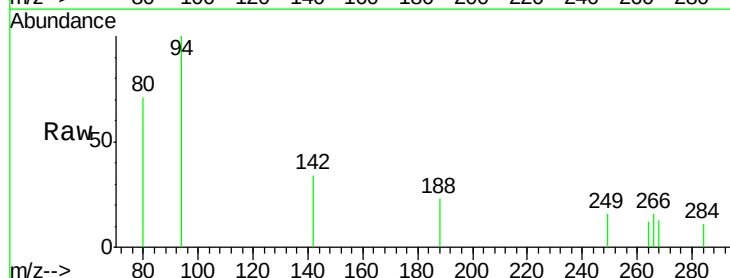
Delta R.T. 0.01 min

Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

Tgt Ion:266 Resp: 45

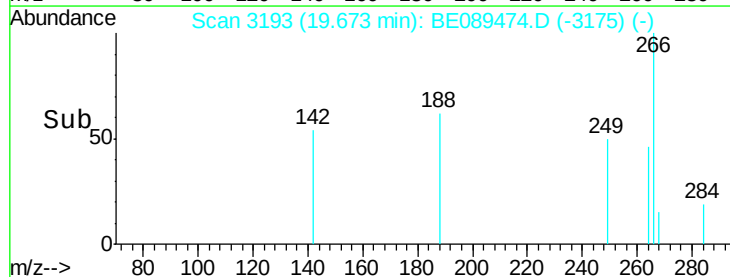
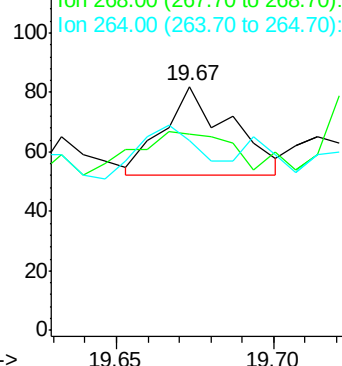
Ion	Ratio	Lower	Upper
266	100		
268	80.5	52.6	78.8#
264	78.0	52.2	78.2

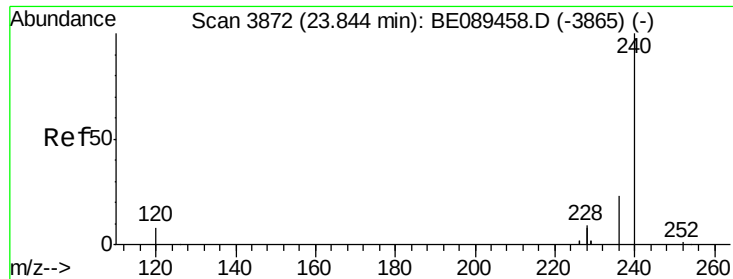


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

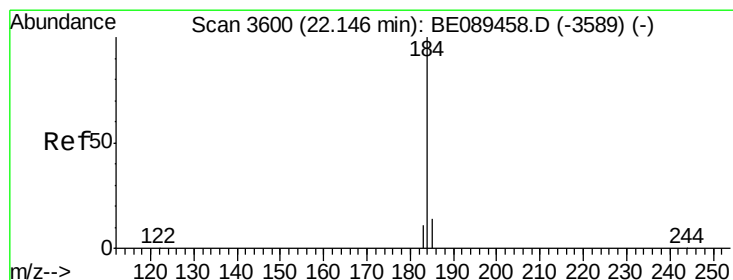
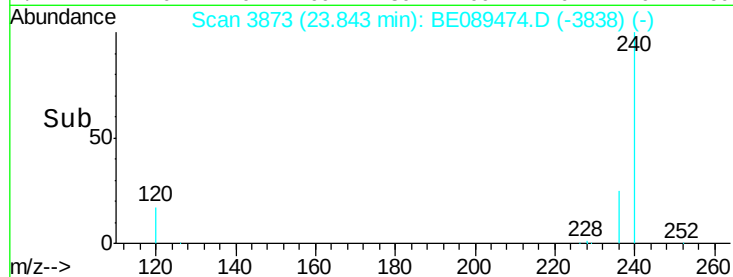
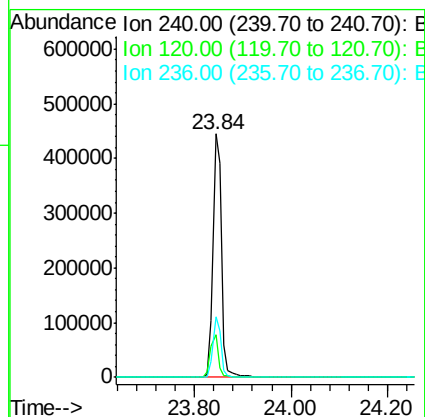
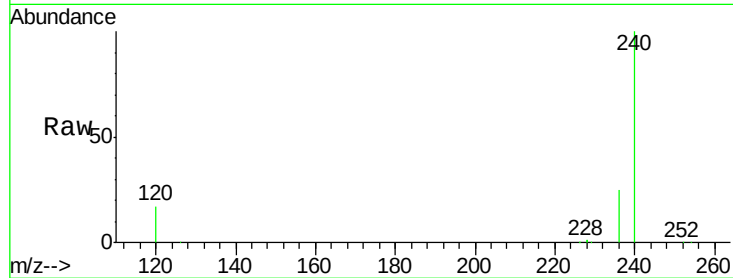




#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 3873
Delta R.T. -0.00 min
Lab File: BE089474.D
Acq: 3 Feb 2015 4:19

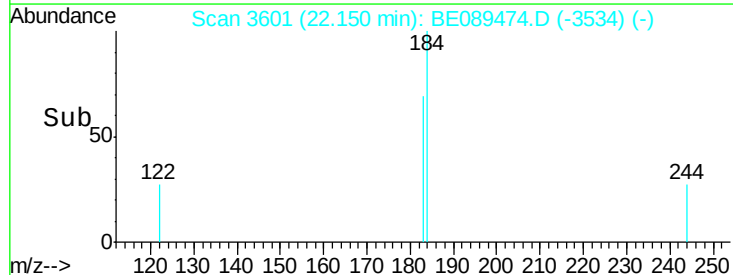
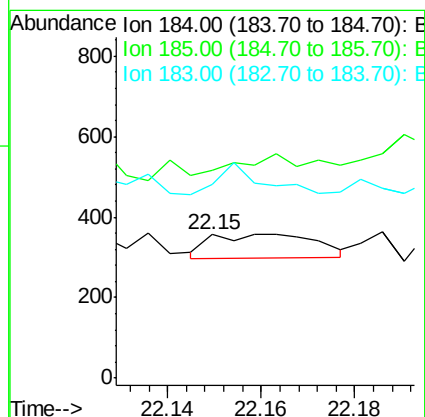
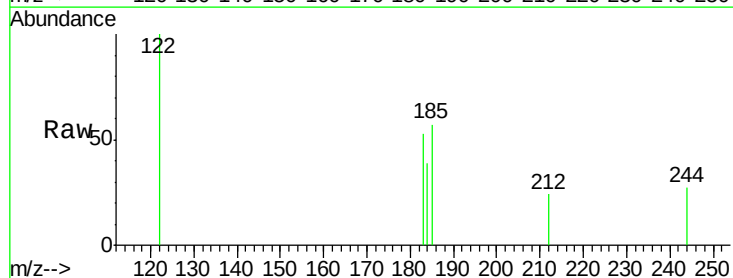
Instrument :
BNA_E
ClientSampleId :

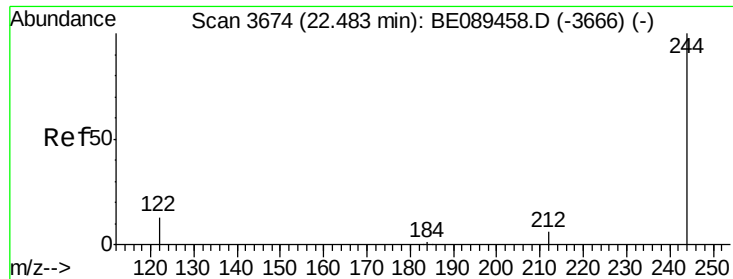
Tgt Ion:240 Resp: 541087
Ion Ratio Lower Upper
240 100
120 17.5 6.2 9.4#
236 25.1 18.2 27.4



#21
Benzidine
Concen: 0.32 ng
RT: 22.15 min Scan# 3601
Delta R.T. 0.00 min
Lab File: BE089474.D
Acq: 3 Feb 2015 4:19

Tgt Ion:184 Resp: 90
Ion Ratio Lower Upper
184 100
185 145.2 11.7 17.5#
183 135.1 9.4 14.0#

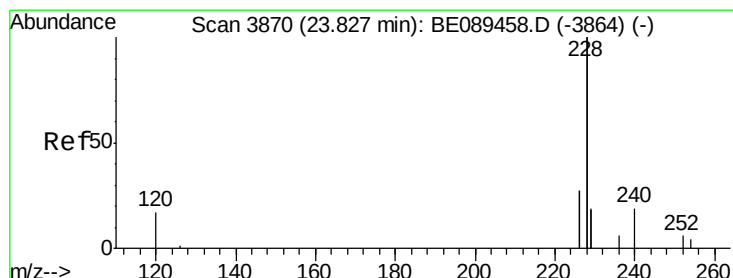
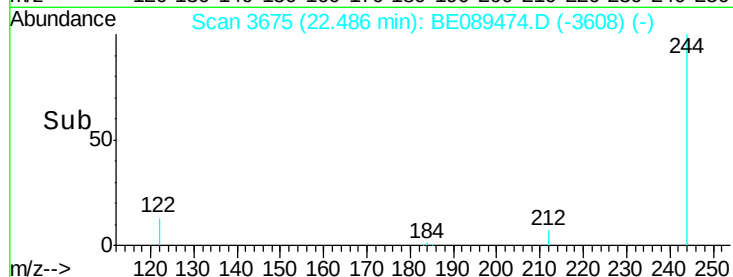
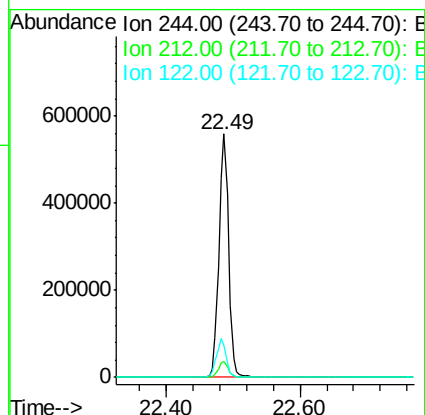
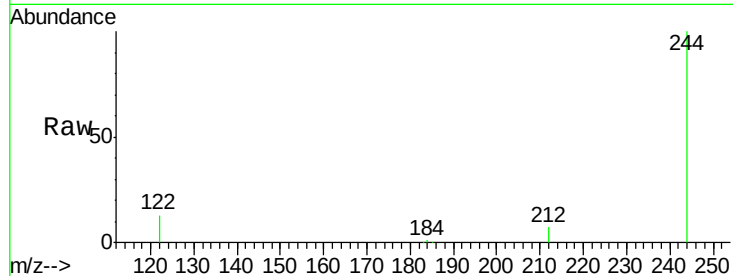




#22
 Terphenyl-d14
 Concen: 9.22 ng
 RT: 22.49 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: BE089474.D
 Acq: 3 Feb 2015 4:19

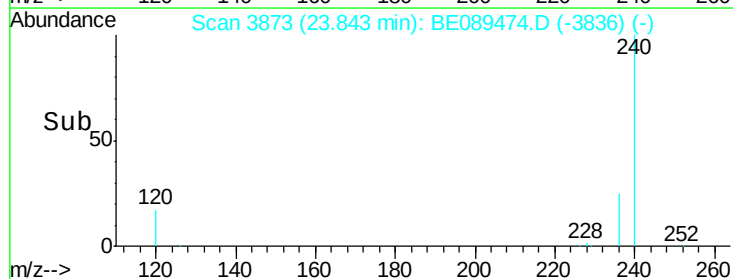
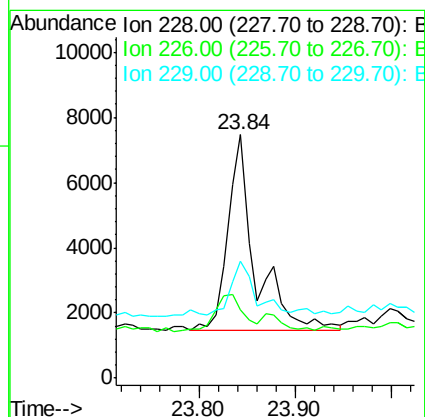
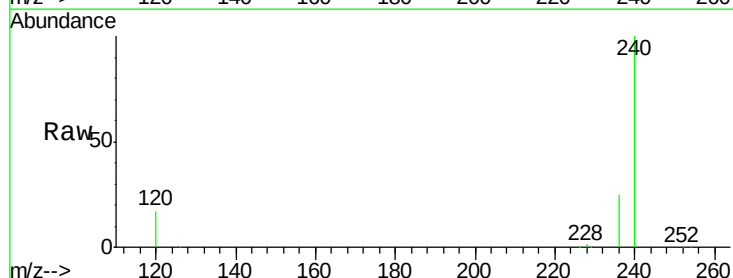
Instrument :
 BNA_E
 ClientSampleId :

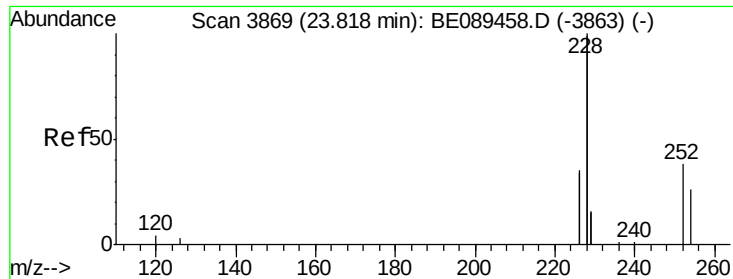
Tgt Ion:244 Resp: 564065
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.3 7.9
 122 13.1 10.5 15.7



#23
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 23.84 min Scan# 3873
 Delta R.T. 0.02 min
 Lab File: BE089474.D
 Acq: 3 Feb 2015 4:19

Tgt Ion:228 Resp: 11709
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.7 32.5
 229 47.9 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: BE089474.D

Acq: 3 Feb 2015 4:19

Instrument :

BNA_E

ClientSampleId :

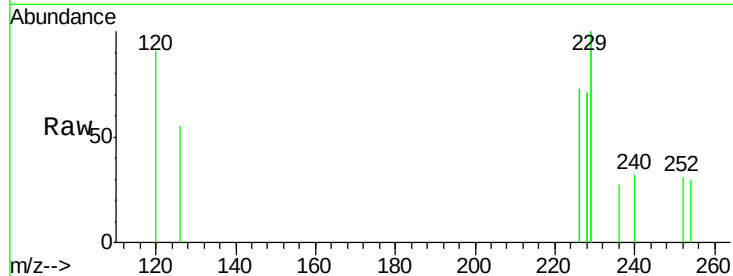
Tgt Ion: 252 Resp: 85

Ion Ratio Lower Upper

252 100

254 98.1 54.6 82.0#

126 179.2 8.0 12.0#

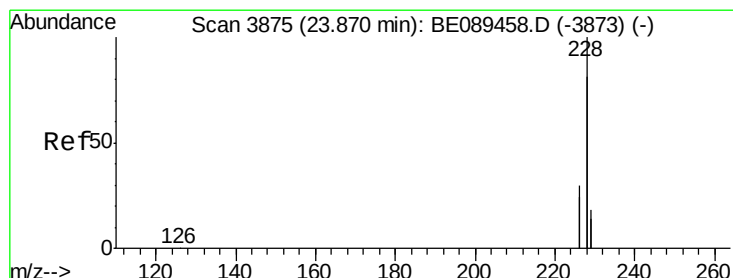
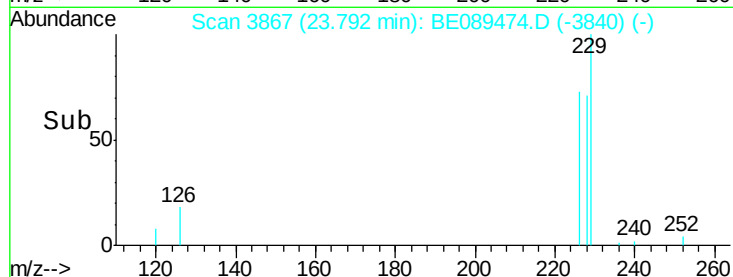
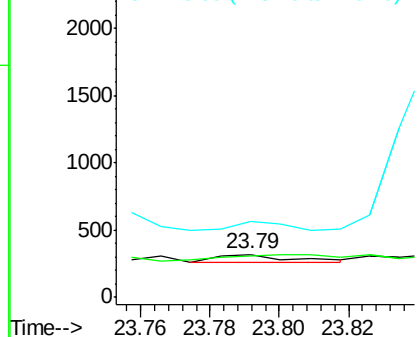


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#25

Chrysene

Concen: 0.02 ng

RT: 23.84 min Scan# 3873

Delta R.T. -0.03 min

Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

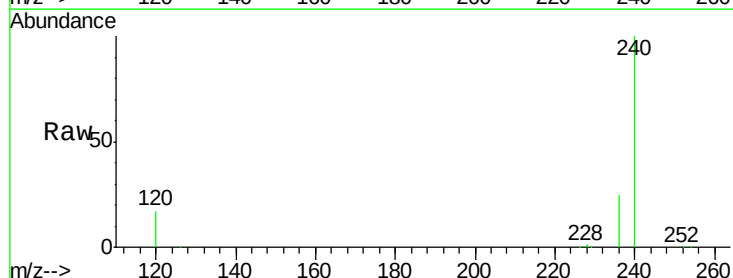
Tgt Ion: 228 Resp: 11709

Ion Ratio Lower Upper

228 100

226 28.0 23.8 35.8

229 47.9 14.3 21.5#

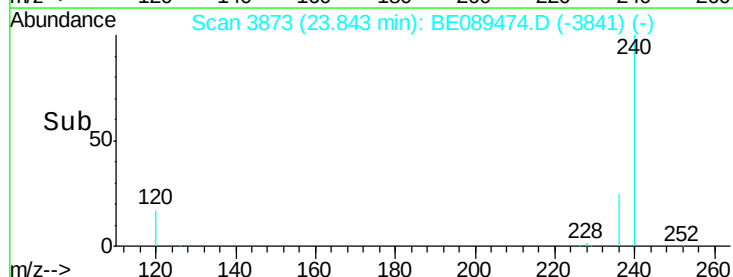
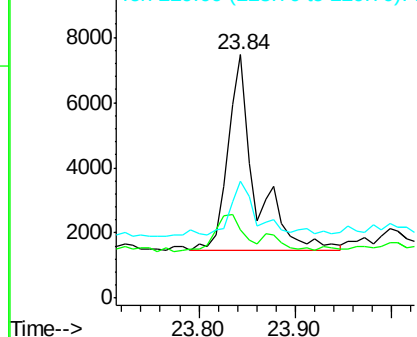


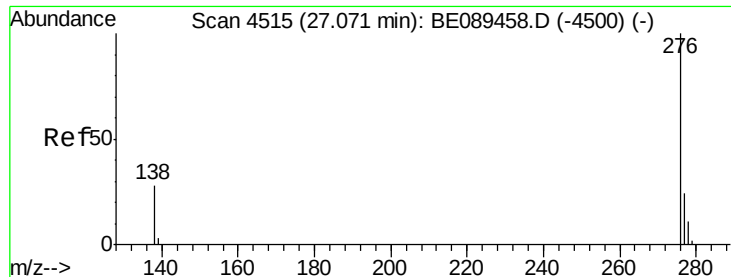
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

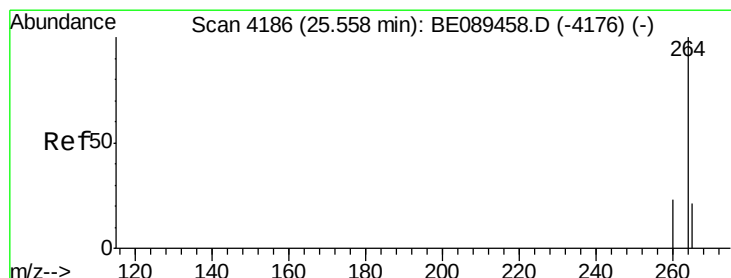
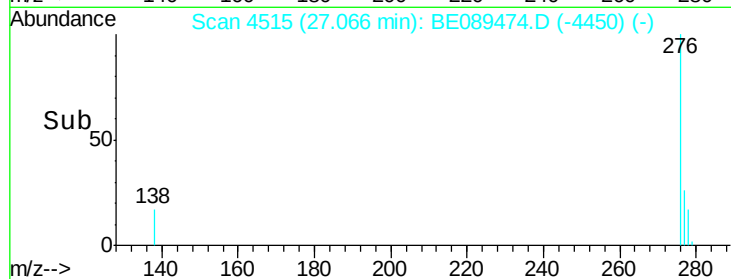
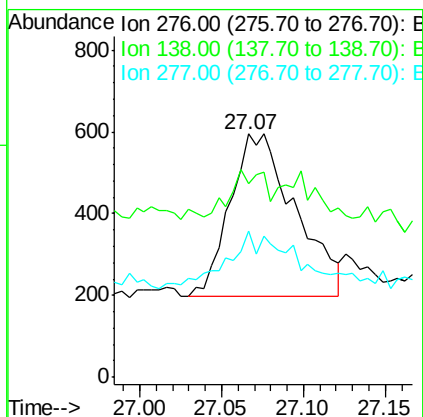
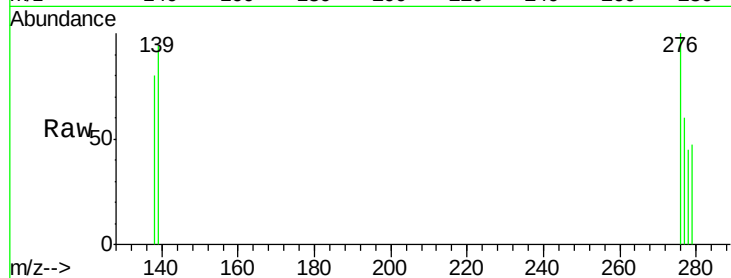




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.22 ng
 RT: 27.07 min Scan# 4515
 Delta R.T. -0.00 min
 Lab File: BE089474.D
 Acq: 3 Feb 2015 4:19

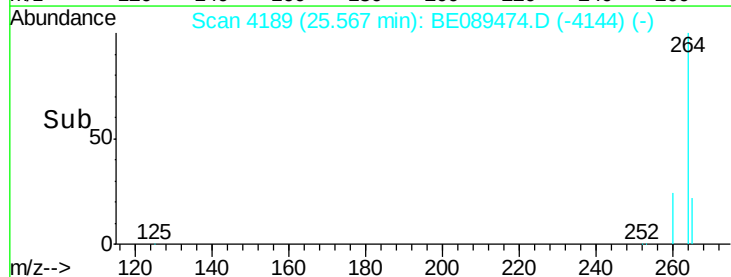
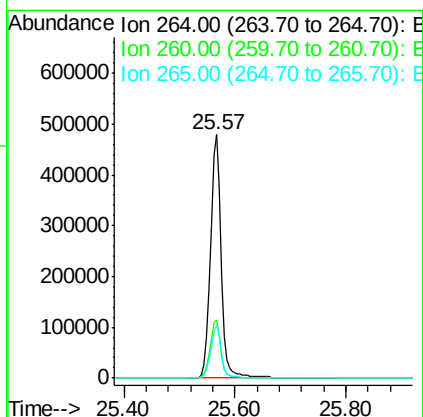
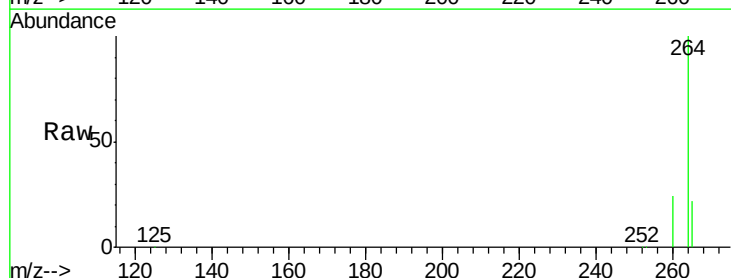
Instrument :
 BNA_E
 ClientSampleId :

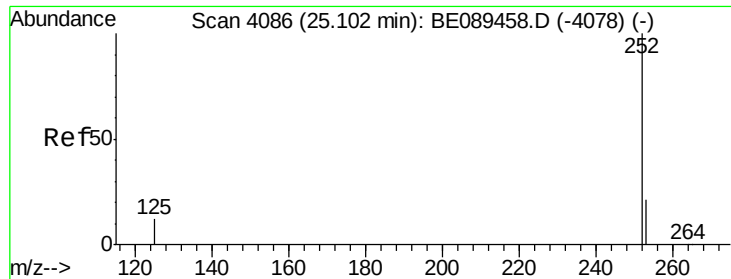
Tgt Ion: 276 Resp: 1108
 Ion Ratio Lower Upper
 276 100
 138 15.6 23.3 34.9#
 277 16.1 19.0 28.4#



#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.57 min Scan# 4189
 Delta R.T. 0.01 min
 Lab File: BE089474.D
 Acq: 3 Feb 2015 4:19

Tgt Ion: 264 Resp: 634126
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.7 28.1
 265 21.8 17.0 25.6





#28

Benzo(b)fluoranthene

Concen: 0.26 ng

RT: 25.10 min Scan# 4087

Delta R.T. 0.00 min

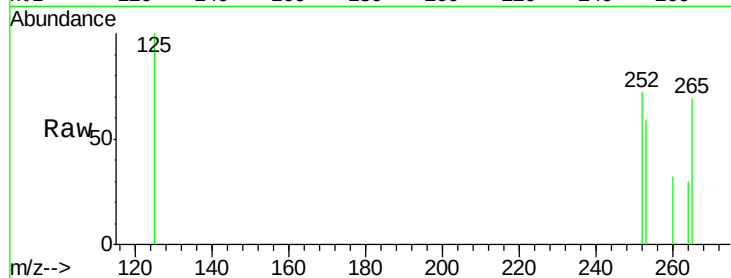
Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

Instrument :

BNA_E

ClientSampleId :



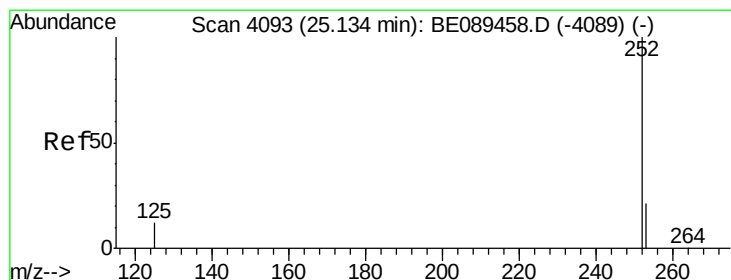
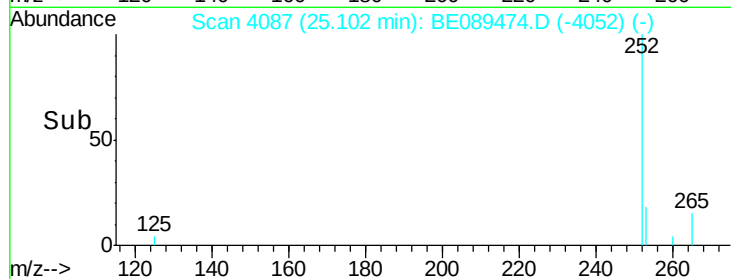
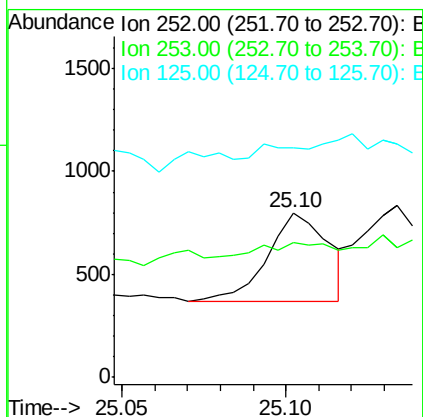
Tgt Ion:252 Resp: 556

Ion Ratio Lower Upper

252 100

253 81.7 17.4 26.0#

125 139.5 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: BE089474.D

Acq: 3 Feb 2015 4:19

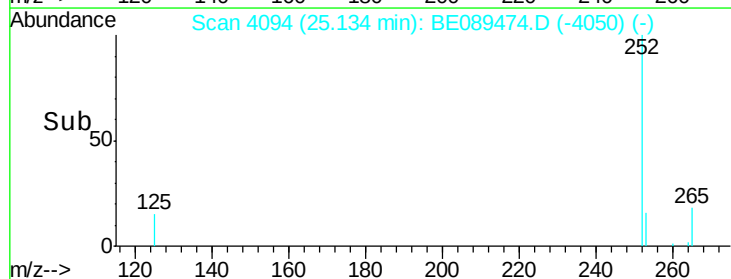
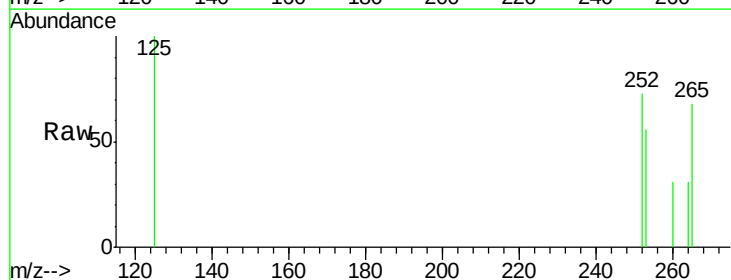
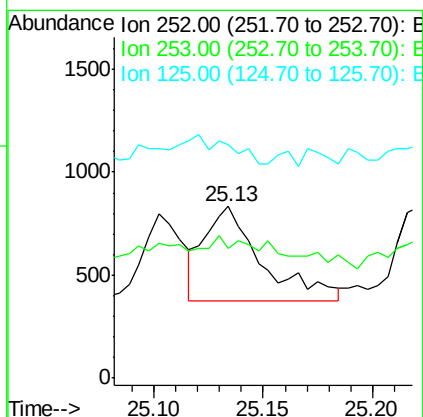
Tgt Ion:252 Resp: 836

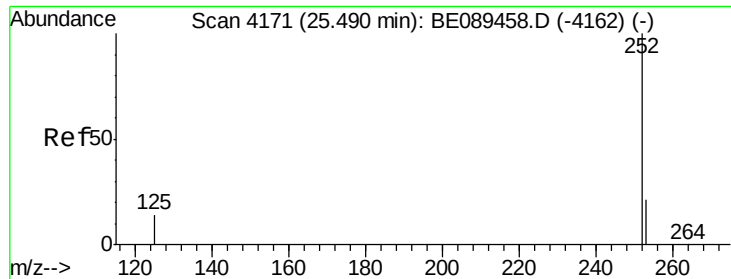
Ion Ratio Lower Upper

252 100

253 76.1 17.5 26.3#

125 136.2 10.3 15.5#





#30

Benzo(a)pyrene

Concen: 0.24 ng

RT: 25.49 min Scan# 4172

Delta R.T. 0.00 min

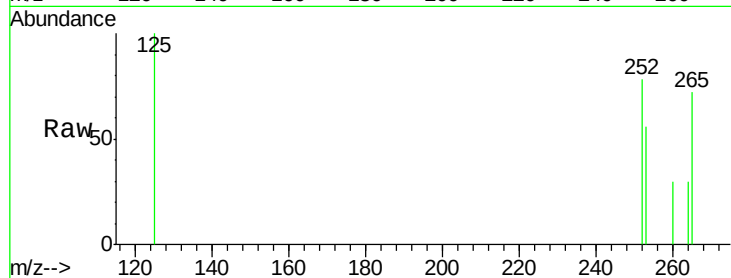
Lab File: BE089474.D

Acq: 3 Feb 2015 4:19

Instrument :

BNA_E

ClientSampleId :



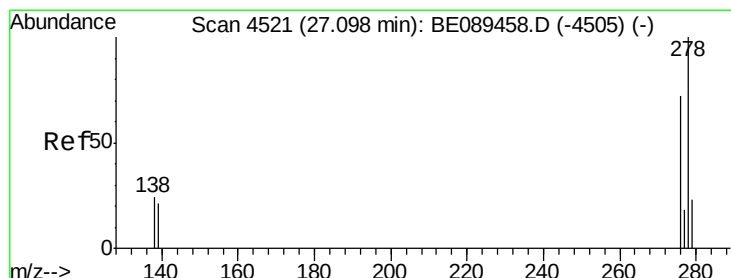
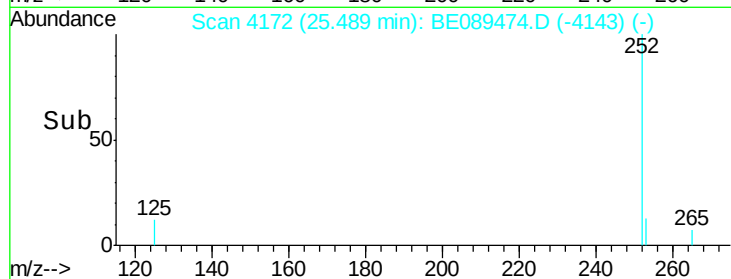
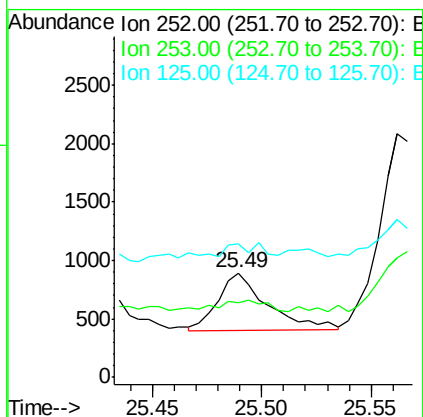
Tgt Ion: 252 Resp: 763

Ion Ratio Lower Upper

252 100

253 71.2 17.5 26.3#

125 127.6 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: BE089474.D

Acq: 3 Feb 2015 4:19

Tgt Ion: 278 Resp: 643

Ion Ratio Lower Upper

278 100

139 127.3 17.1 25.7#

279 64.8 18.8 28.2#

