

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089462.D
 Acq On : 2 Feb 2015 19:10
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Quant Time: Feb 03 11:23:43 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 03:06:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	41193	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	157992	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	61836	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	115621	5.00	ng	0.00
20) Chrysene-d12	23.84	240	140723	5.00	ng	0.00
27) Perylene-d12	25.56	264	155713	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.76	112	1437	0.10	ng	0.00
4) Phenol-d6	8.87	99	1626	0.09	ng	0.00
8) Nitrobenzene-d5	10.85	82	1091	0.09	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	149	0.07	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	1689	0.10	ng	0.00
22) Terphenyl-d14	22.48	244	1505	0.09	ng	0.00

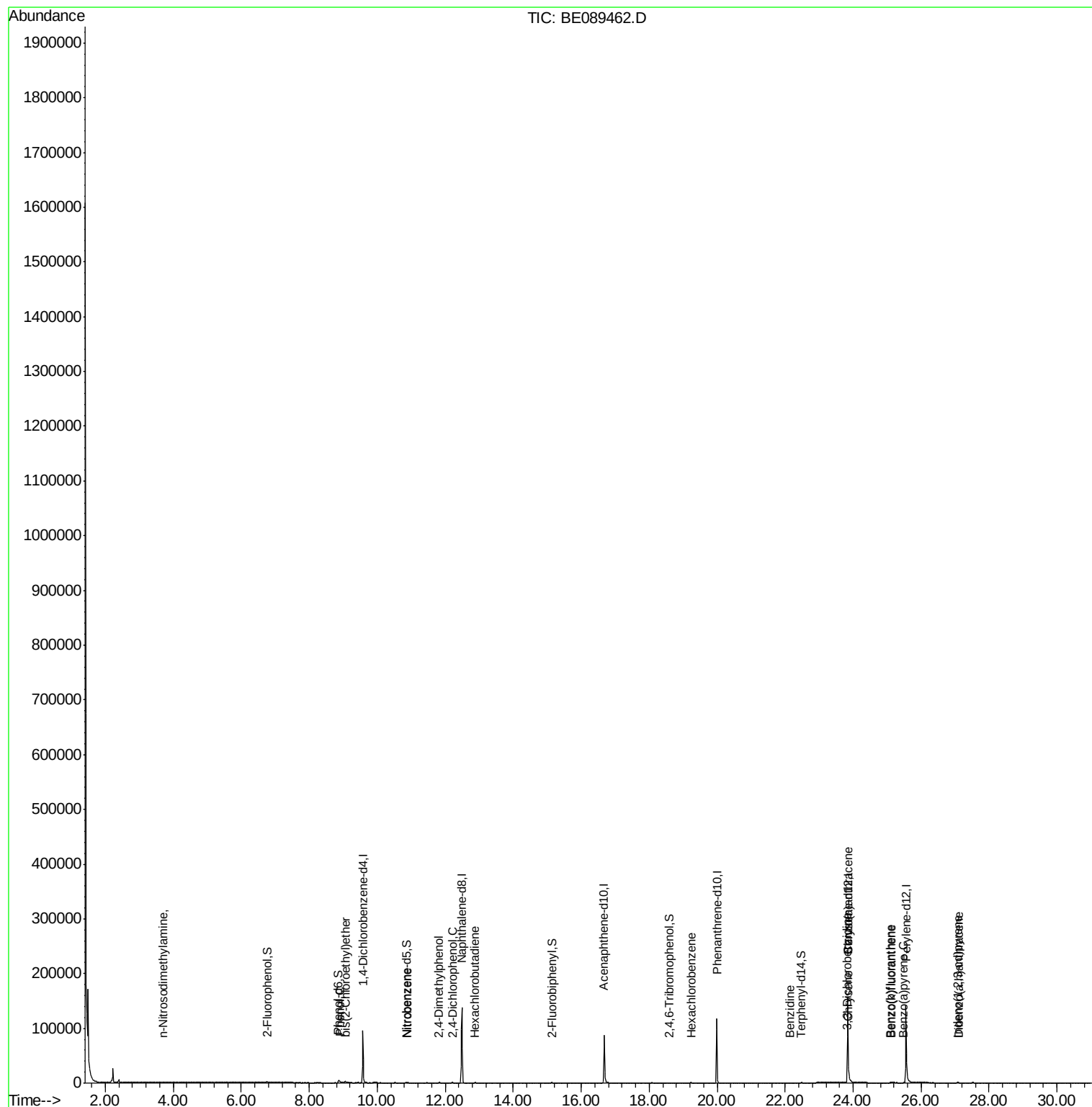
Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.70	42	317m	0.04	ng	
5) Phenol	8.90	94	1789	0.10	ng	97
6) bis(2-Chloroethyl)ether	9.06	93	1393	0.10	ng	# 89
9) Nitrobenzene	10.89	77	1152	0.08	ng	97
10) 2,4-Dimethylphenol	11.83	122	870	0.08	ng	# 93
11) 2,4-Dichlorophenol	12.21	162	669	0.09	ng	89
12) Hexachlorobutadiene	12.87	225	485	0.09	ng	98
18) Hexachlorobenzene	19.23	284	606	0.10	ng	# 87
21) Benzidine	22.14	184	562	0.06	ng	# 78
23) Benzo(a)anthracene	23.83	228	9649	0.09	ng	# 95
24) 3,3'-Dichlorobenzidine	23.82	252	675	0.08	ng	# 86
25) Chrysene	23.87	228	14825	0.10	ng	94
26) Indeno(1,2,3-cd)pyrene	27.07	276	2003m	0.09	ng	
28) Benzo(b)fluoranthene	25.10	252	1008	0.07	ng	# 72
29) Benzo(k)fluoranthene	25.13	252	2603m	0.06	ng	
30) Benzo(a)pyrene	25.48	252	1219	0.06	ng	# 70
31) Dibenzo(a,h)anthracene	27.10	278	793	0.04	ng	# 58

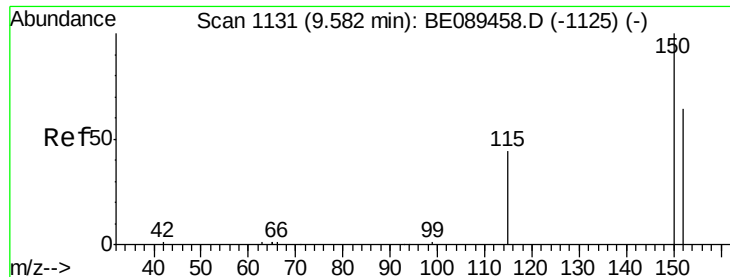
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

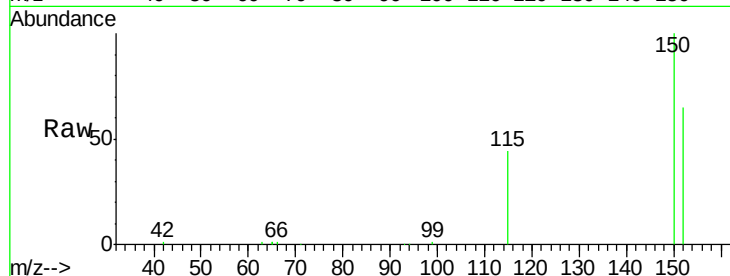
Tgt Ion:152 Resp: 41193

Ion Ratio Lower Upper

152 100

150 154.2 124.6 186.8

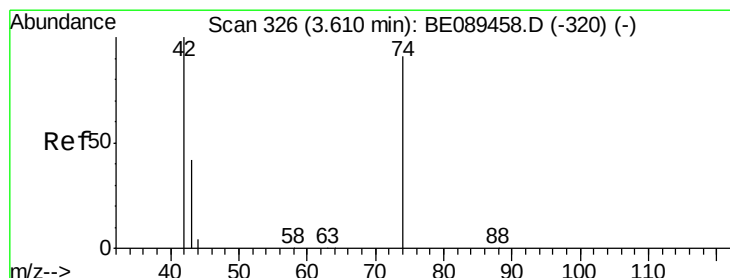
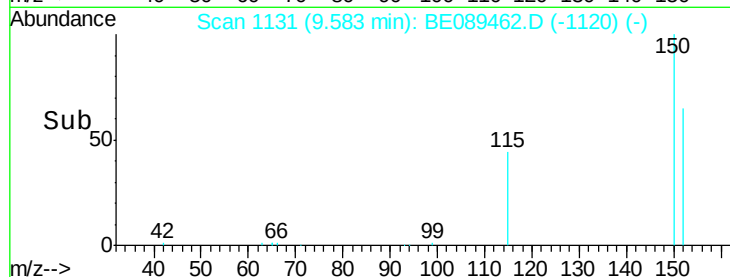
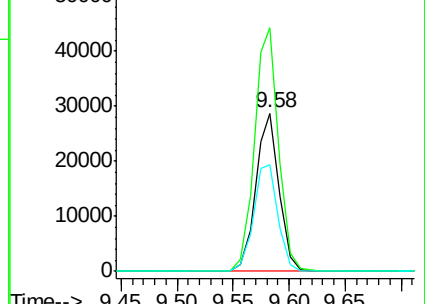
115 67.8 55.4 83.0



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: 0.04 ng m

RT: 3.70 min Scan# 340

Delta R.T. 0.09 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

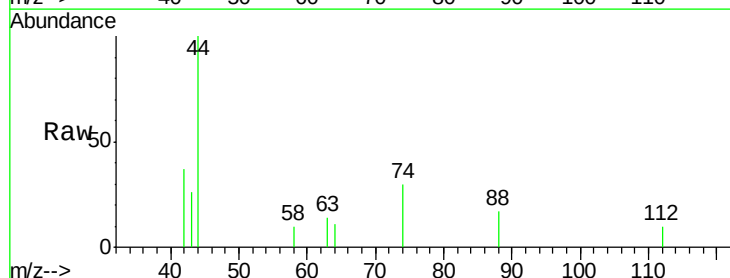
Tgt Ion: 42 Resp: 317

Ion Ratio Lower Upper

42 100

74 80.3 72.1 108.1

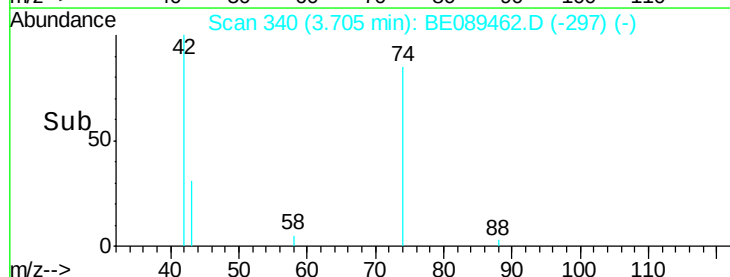
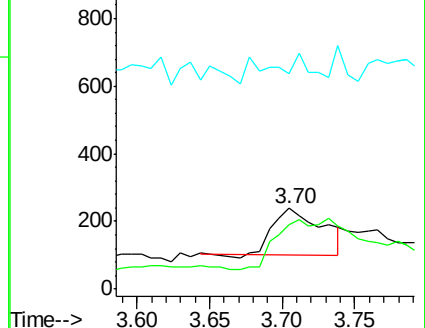
44 267.2 28.0 42.0#

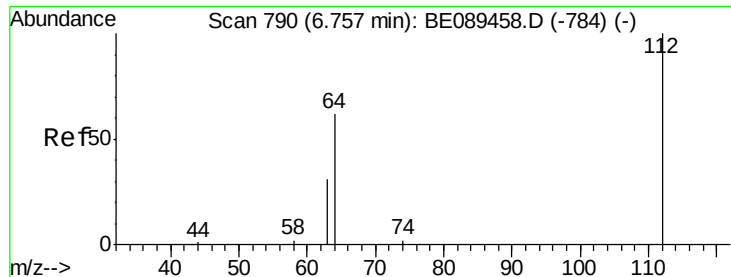


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 0.10 ng

RT: 6.76 min Scan# 790

Delta R.T. -0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

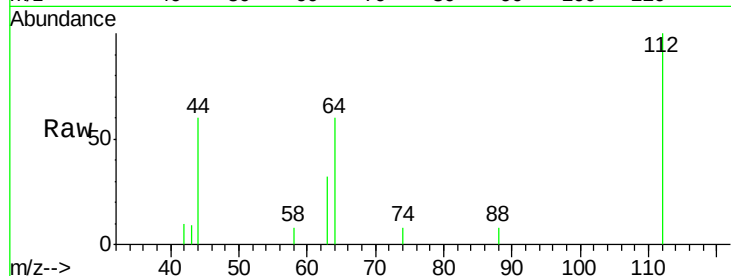
Tgt Ion: 112 Resp: 1437

Ion Ratio Lower Upper

112 100

64 59.8 49.8 74.8

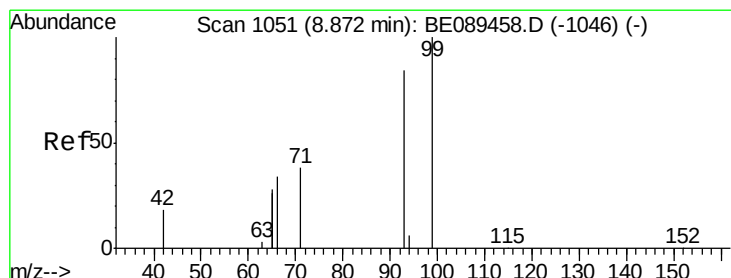
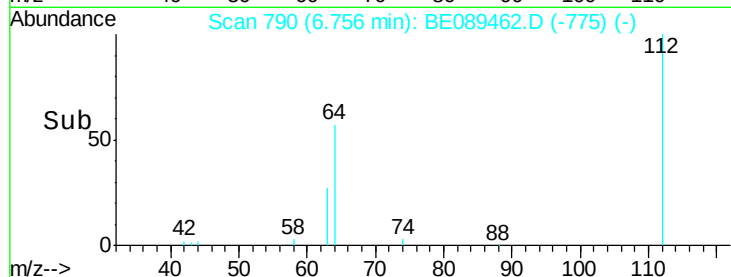
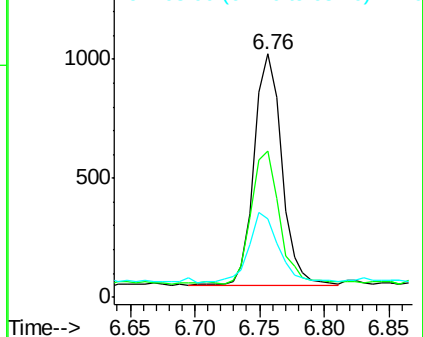
63 32.0 24.9 37.3



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: 0.09 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

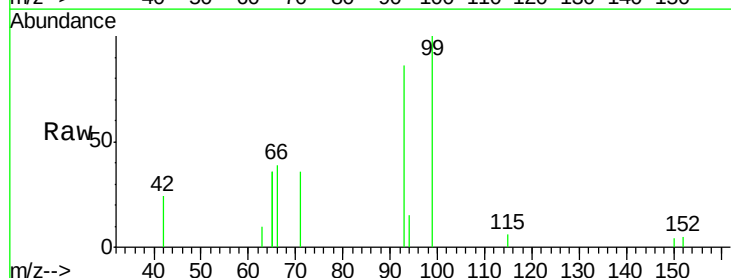
Tgt Ion: 99 Resp: 1626

Ion Ratio Lower Upper

99 100

42 23.6 15.0 22.4#

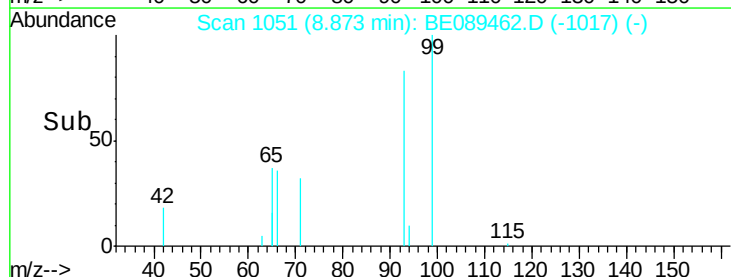
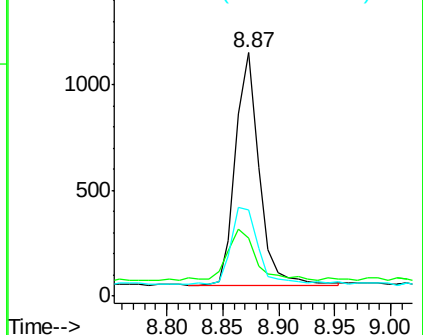
71 35.6 30.6 46.0

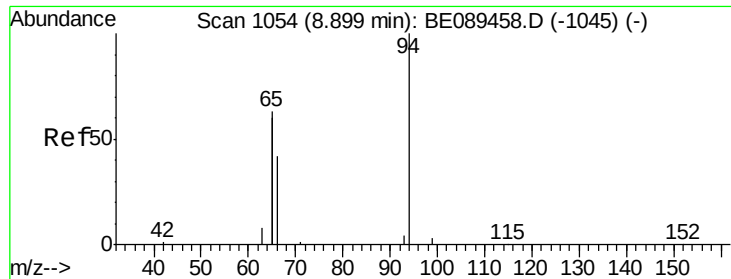


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.10 ng

RT: 8.90 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

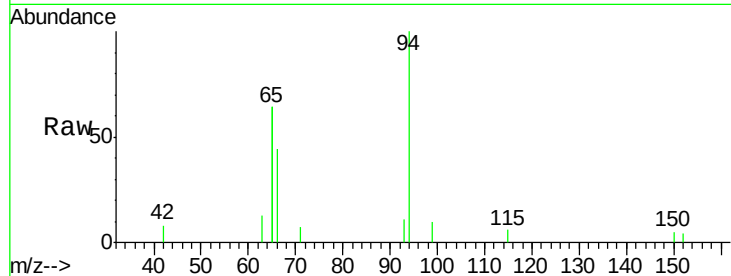
Tgt Ion: 94 Resp: 1789

Ion Ratio Lower Upper

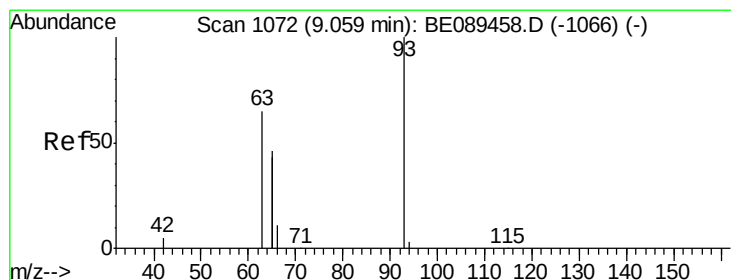
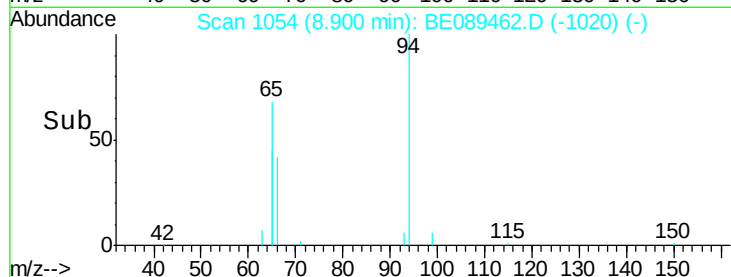
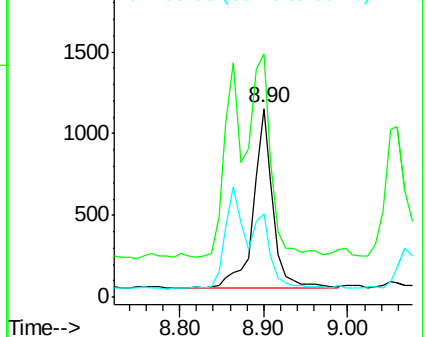
94 100

65 128.8 105.0 145.0

66 44.1 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: 0.10 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

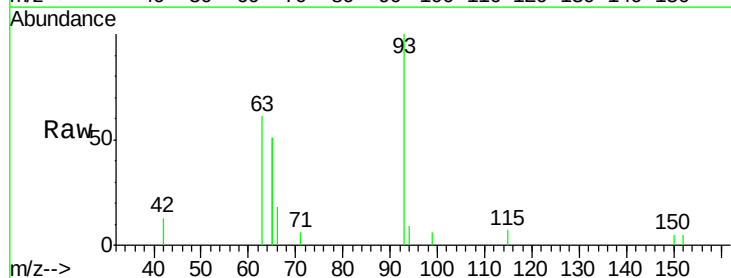
Tgt Ion: 93 Resp: 1393

Ion Ratio Lower Upper

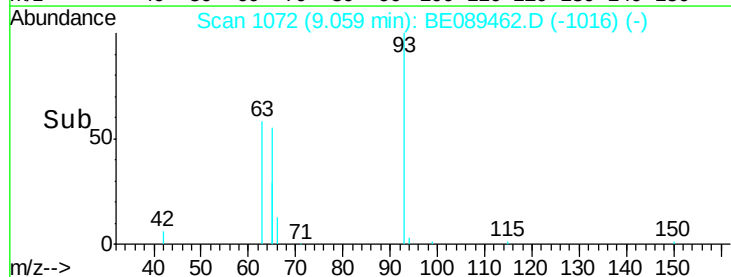
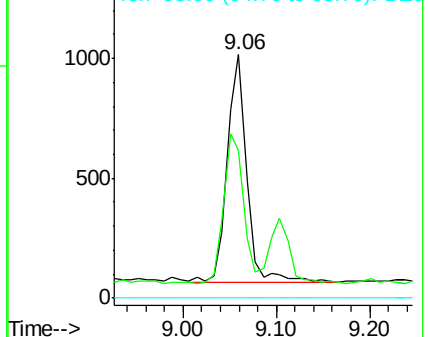
93 100

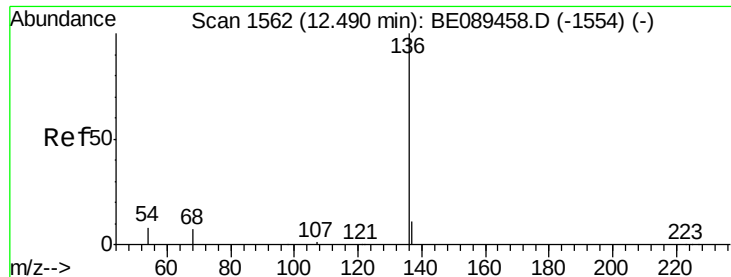
63 65.1 59.2 88.8

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# 1562

Delta R.T. 0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

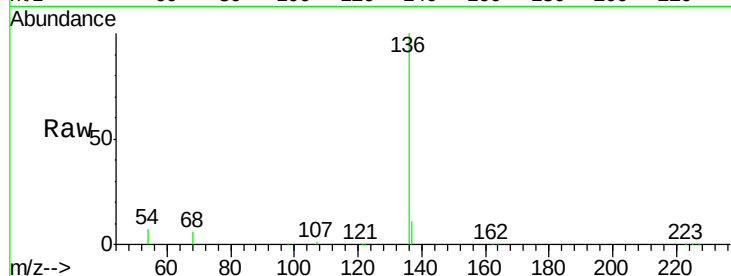
Tgt Ion: 136 Resp: 157992

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

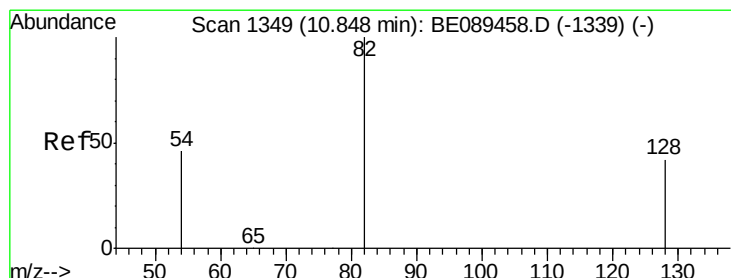
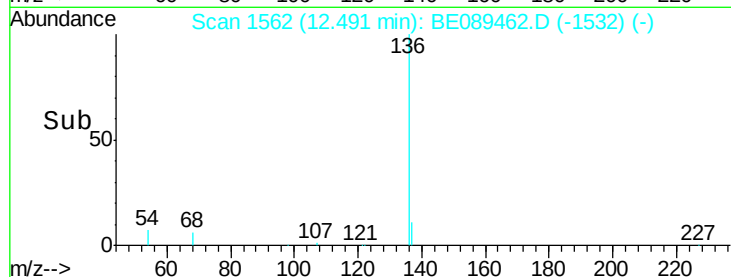
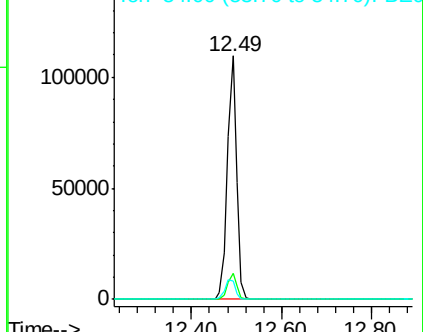
54 7.4 6.5 9.7



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: 0.09 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

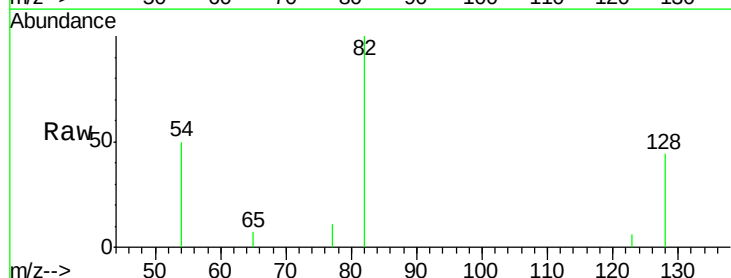
Tgt Ion: 82 Resp: 1091

Ion Ratio Lower Upper

82 100

128 44.0 34.2 51.2

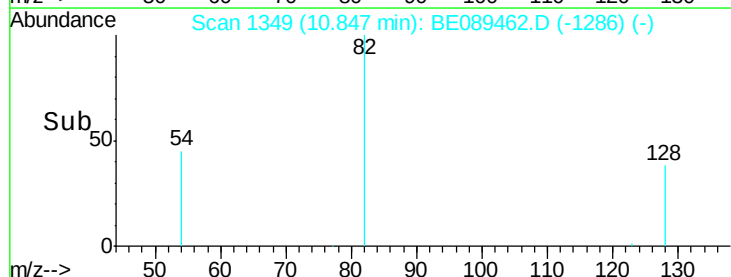
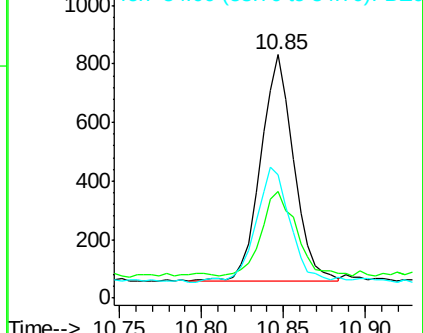
54 50.5 37.3 55.9

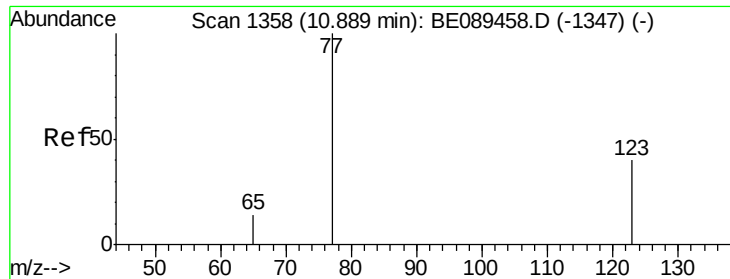


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.08 ng

RT: 10.89 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

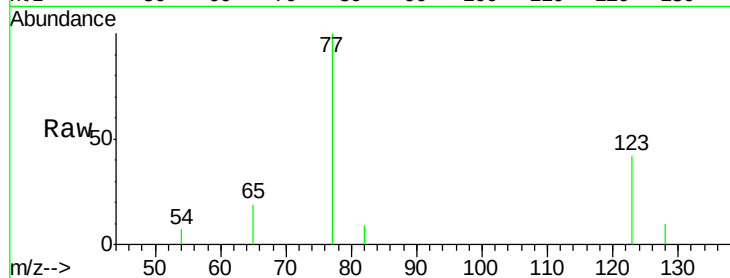
Tgt Ion: 77 Resp: 1152

Ion Ratio Lower Upper

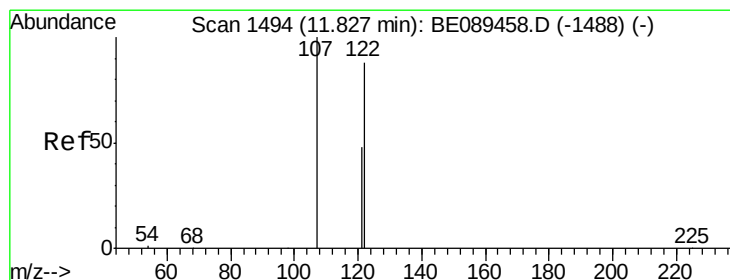
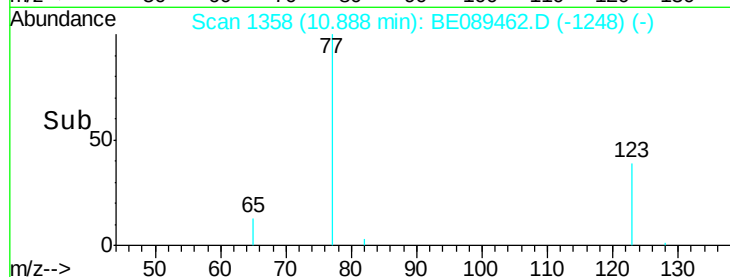
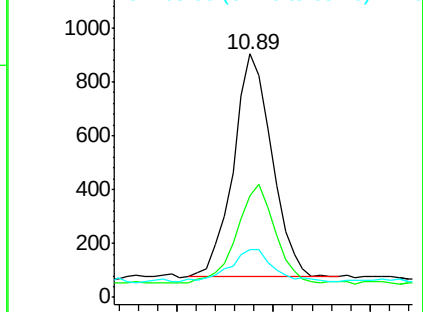
77 100

123 43.5 33.6 50.4

65 15.7 11.0 16.6



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0



#10

2,4-Dimethylphenol

Concen: 0.08 ng

RT: 11.83 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

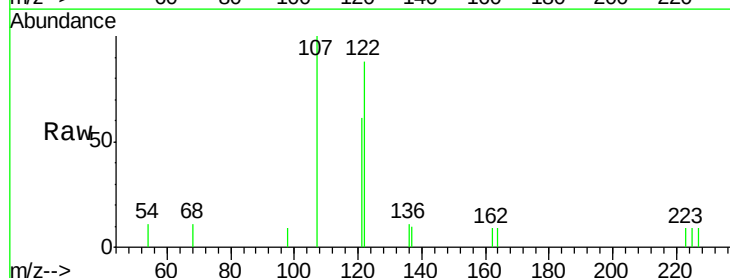
Tgt Ion: 122 Resp: 870

Ion Ratio Lower Upper

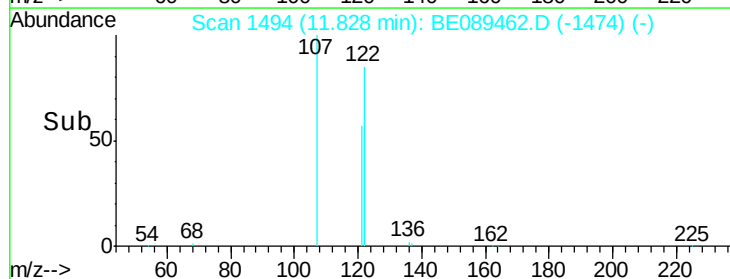
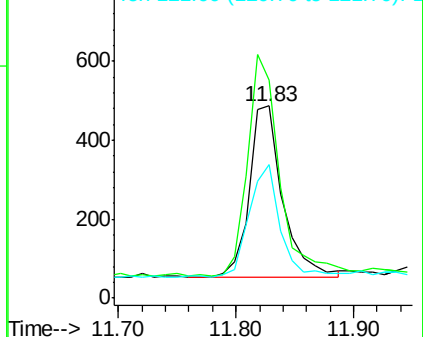
122 100

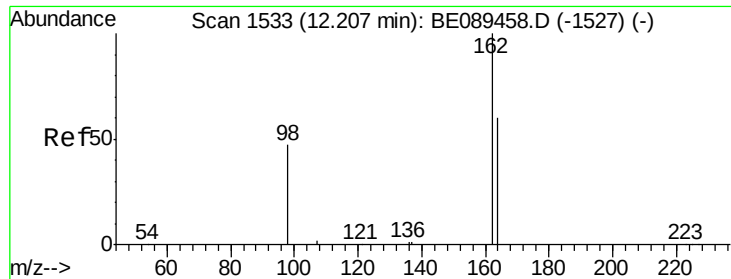
107 113.8 90.6 136.0

121 69.2 43.7 65.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

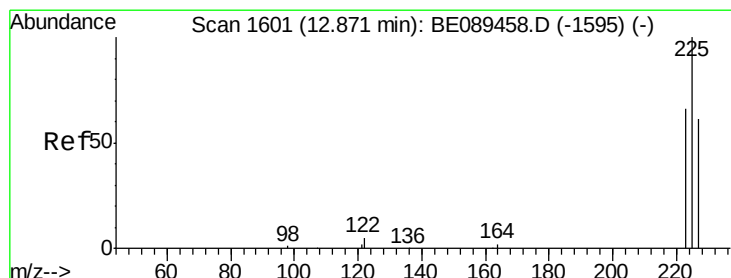
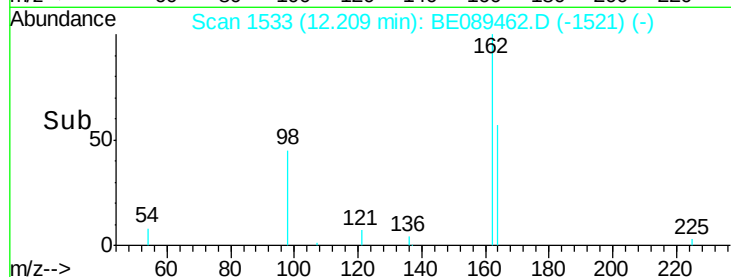
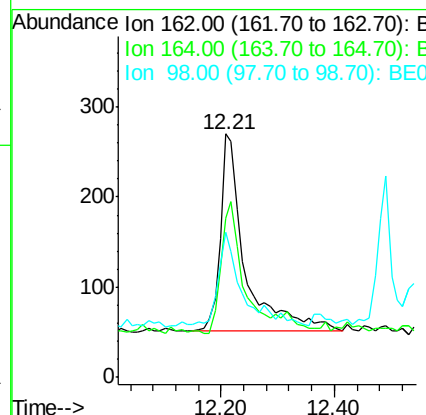
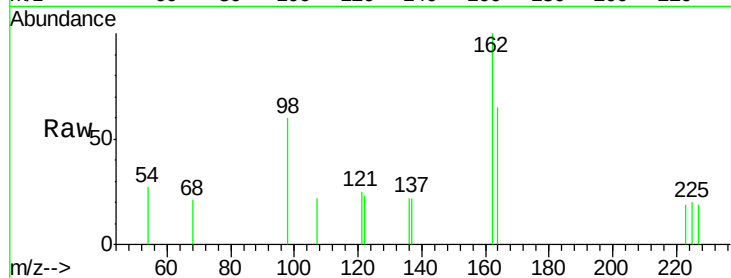




#11
 2,4-Dichlorophenol
 Concen: 0.09 ng
 RT: 12.21 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: BE089462.D
 Acq: 2 Feb 2015 19:10

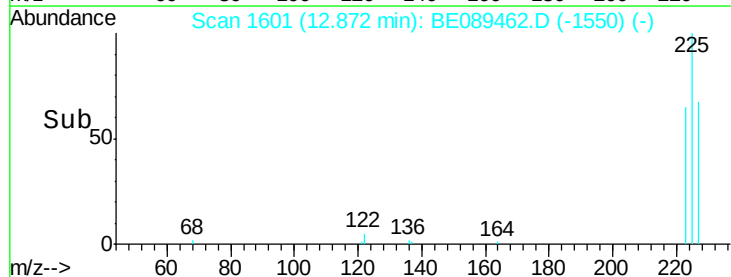
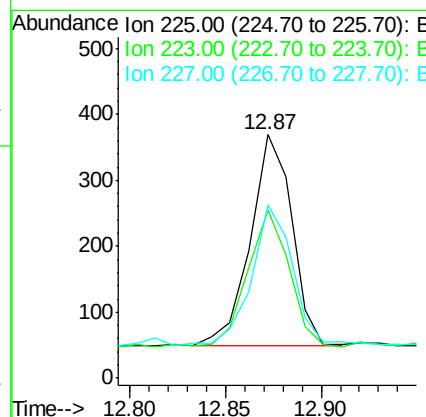
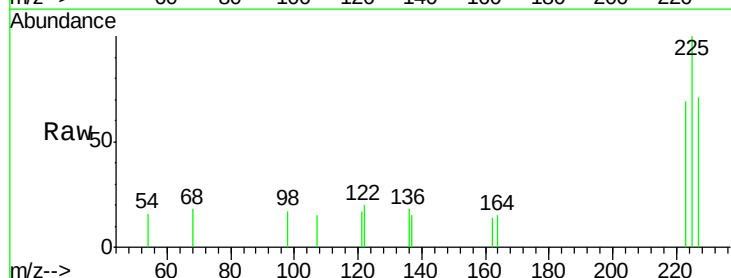
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

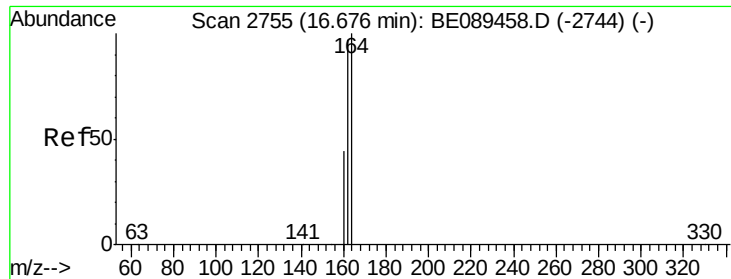
Tgt Ion:162 Resp: 669
 Ion Ratio Lower Upper
 162 100
 164 65.2 40.5 80.5
 98 59.6 28.1 68.1



#12
 Hexachlorobutadiene
 Concen: 0.09 ng
 RT: 12.87 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: BE089462.D
 Acq: 2 Feb 2015 19:10

Tgt Ion:225 Resp: 485
 Ion Ratio Lower Upper
 225 100
 223 64.5 50.2 75.2
 227 63.9 49.9 74.9





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

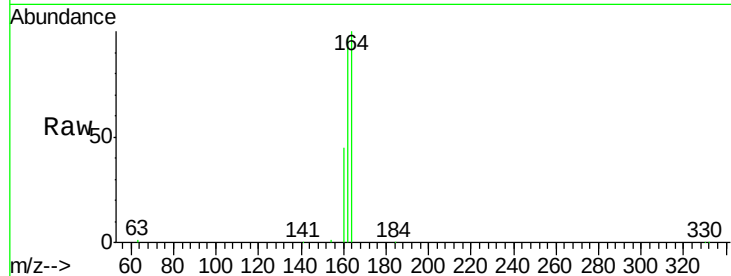
Tgt Ion:164 Resp: 61836

Ion Ratio Lower Upper

164 100

162 96.6 77.4 116.2

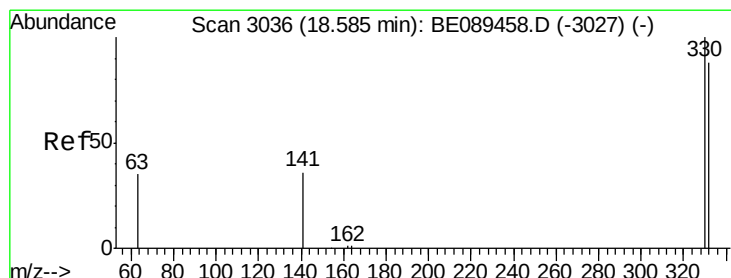
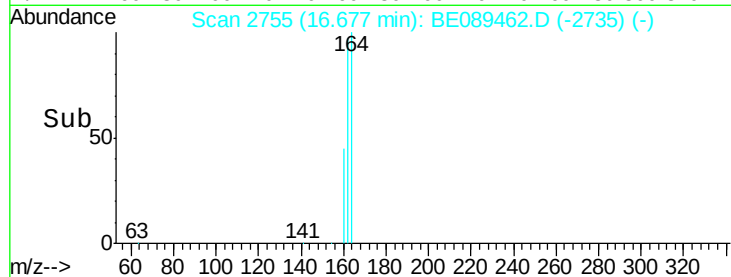
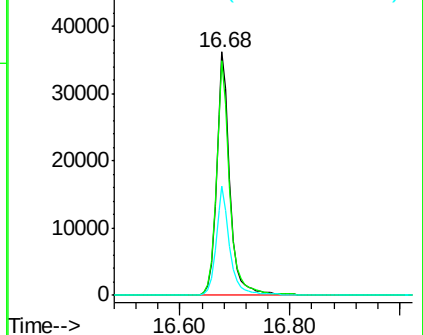
160 44.7 35.5 53.3



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: 0.07 ng

RT: 18.59 min Scan# 3037

Delta R.T. 0.01 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

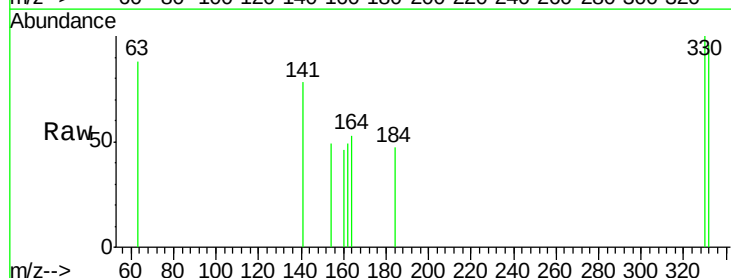
Tgt Ion:330 Resp: 149

Ion Ratio Lower Upper

330 100

332 97.3 75.4 113.2

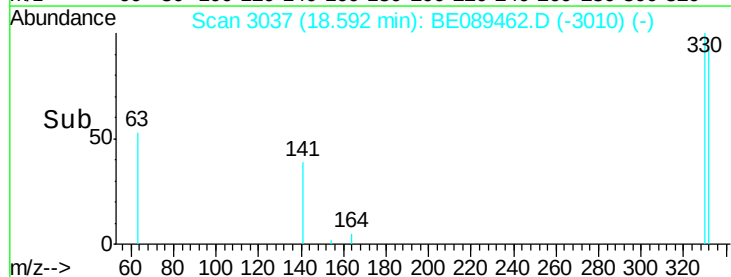
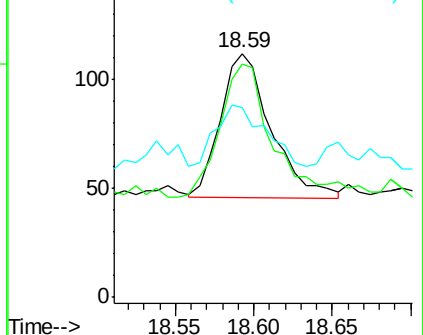
141 41.6 35.7 53.5

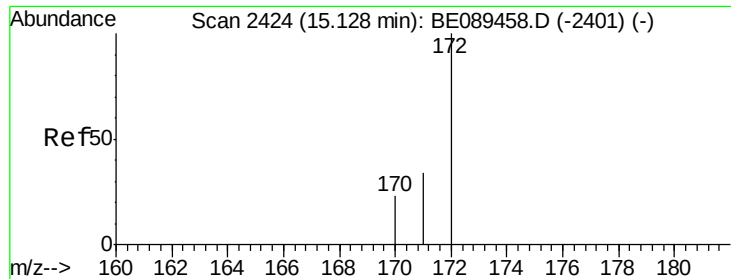


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

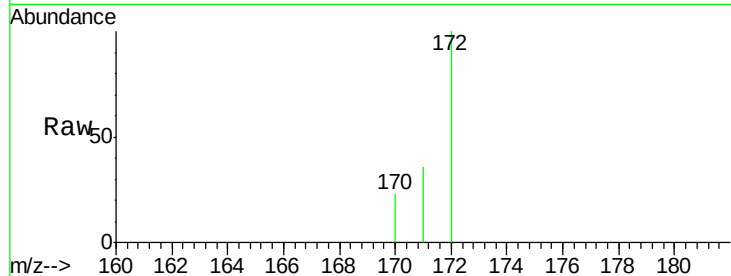




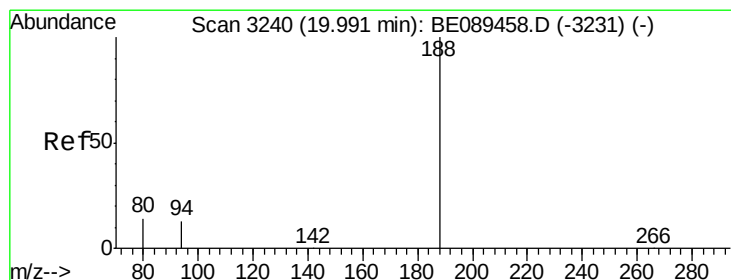
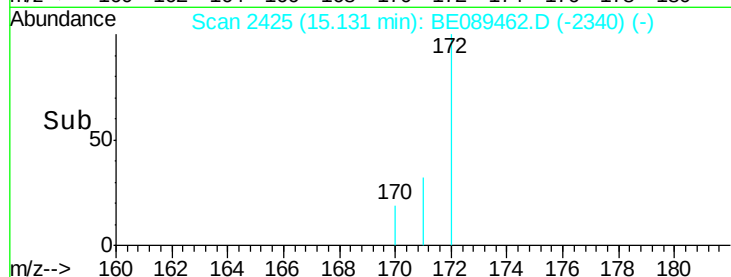
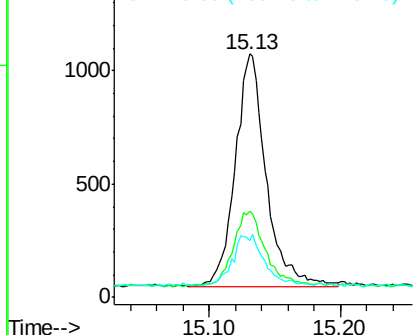
#15
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089462.D
Acq: 2 Feb 2015 19:10

Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion:172 Resp: 1689
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 23.1 18.3 27.5

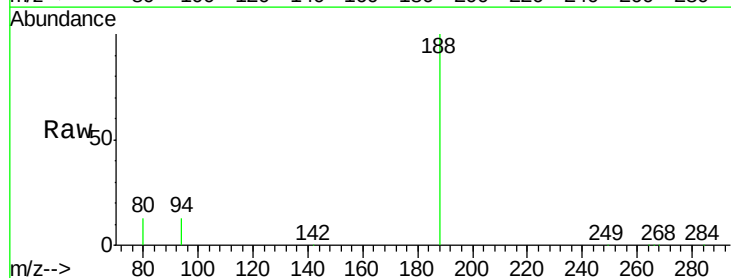


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

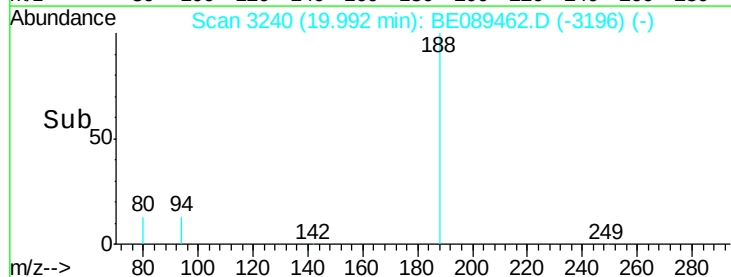
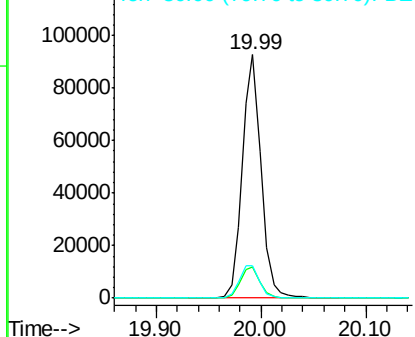


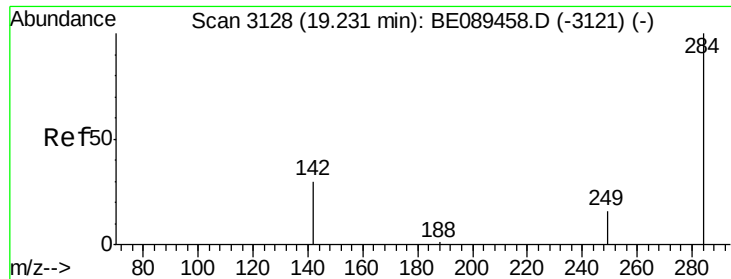
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.00 min
Lab File: BE089462.D
Acq: 2 Feb 2015 19:10

Tgt Ion:188 Resp: 115621
Ion Ratio Lower Upper
188 100
94 12.8 10.2 15.4
80 13.5 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

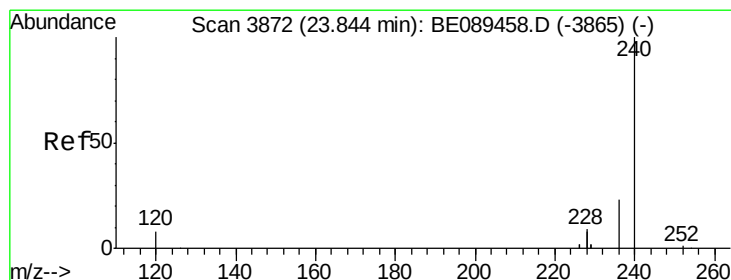
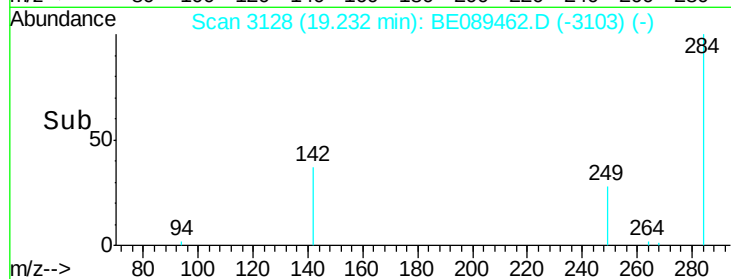
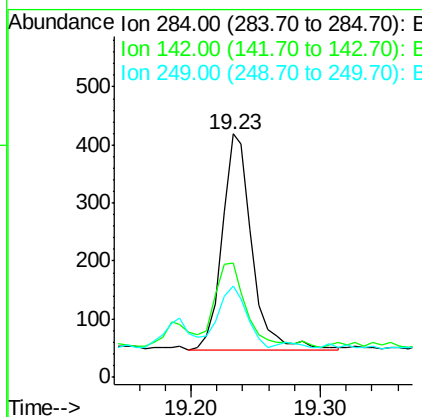
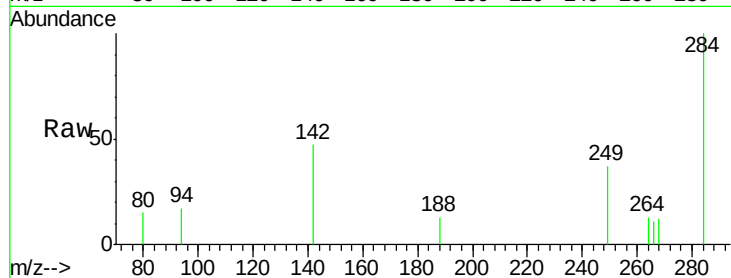




#18
Hexachlorobenzene
Concen: 0.10 ng
RT: 19.23 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BE089462.D
Acq: 2 Feb 2015 19:10

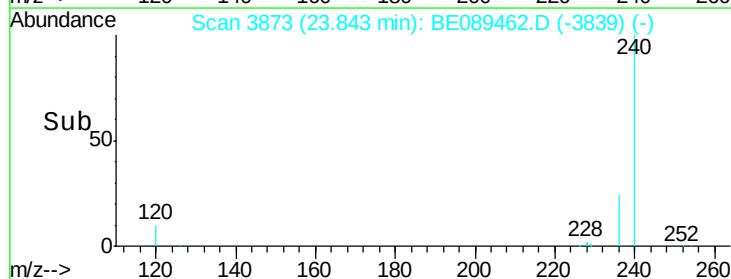
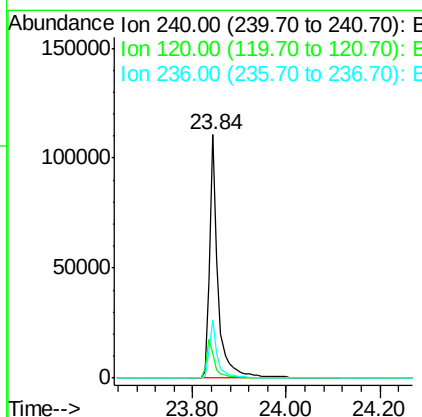
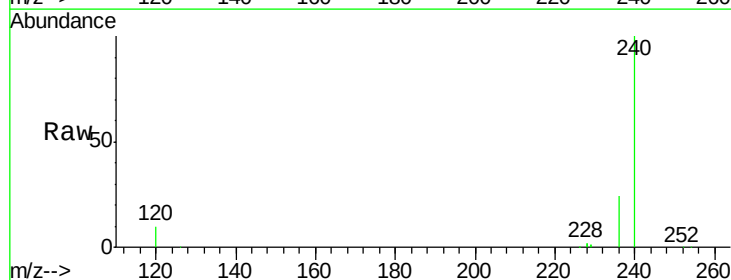
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

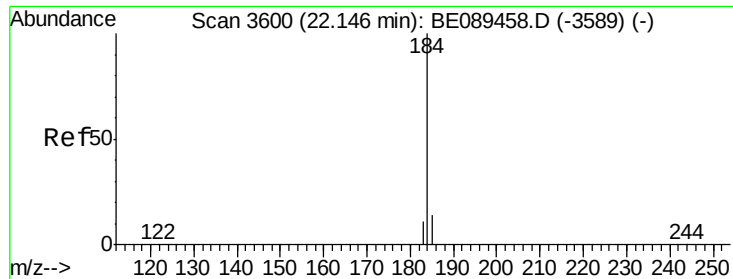
Tgt Ion: 284 Resp: 606
Ion Ratio Lower Upper
284 100
142 47.0 31.8 47.8
249 37.5 23.5 35.3#



#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 3873
Delta R.T. -0.00 min
Lab File: BE089462.D
Acq: 2 Feb 2015 19:10

Tgt Ion: 240 Resp: 140723
Ion Ratio Lower Upper
240 100
120 10.4 6.2 9.4#
236 23.6 18.2 27.4





#21

Benzidine

Concen: 0.06 ng

RT: 22.14 min Scan# 3600

Delta R.T. -0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

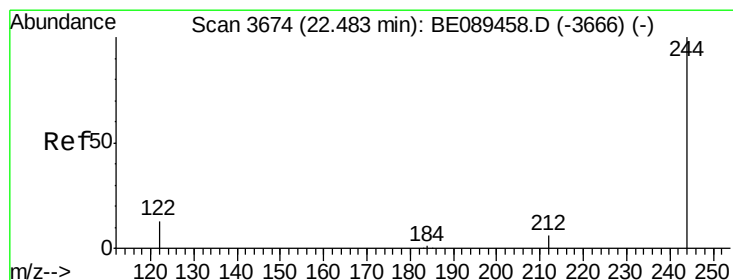
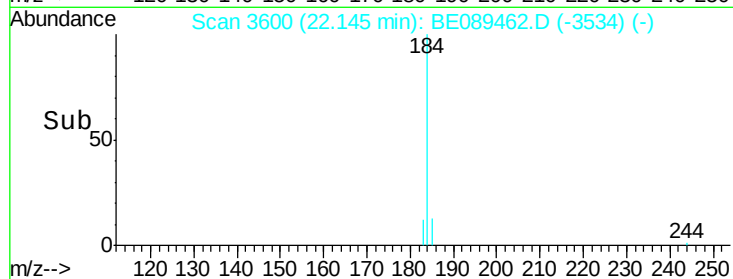
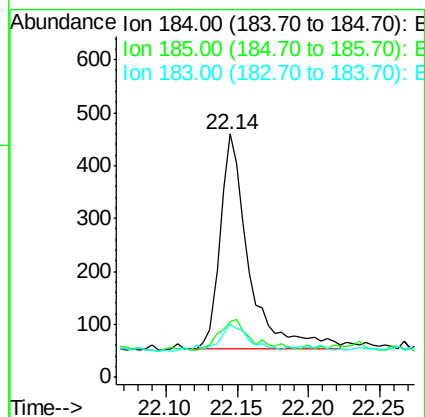
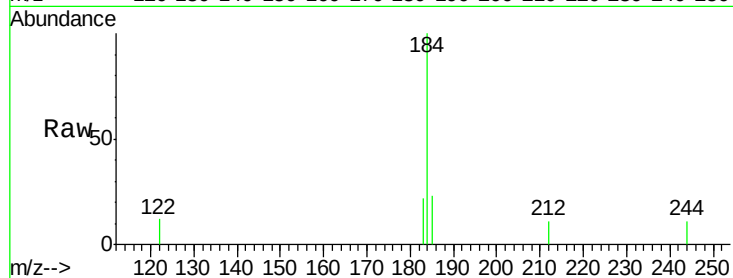
Tgt Ion:184 Resp: 562

Ion Ratio Lower Upper

184 100

185 22.8 11.7 17.5#

183 21.5 9.4 14.0#



#22

Terphenyl-d14

Concen: 0.09 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

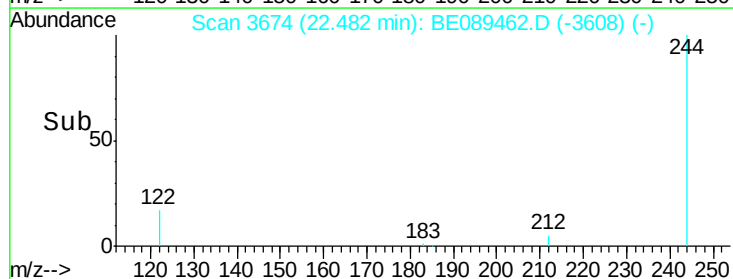
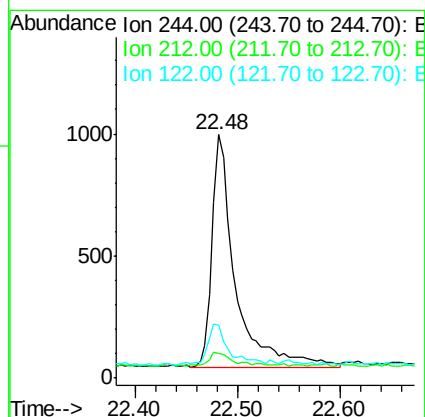
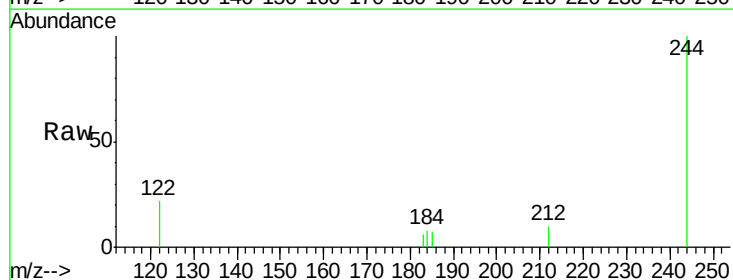
Tgt Ion:244 Resp: 1505

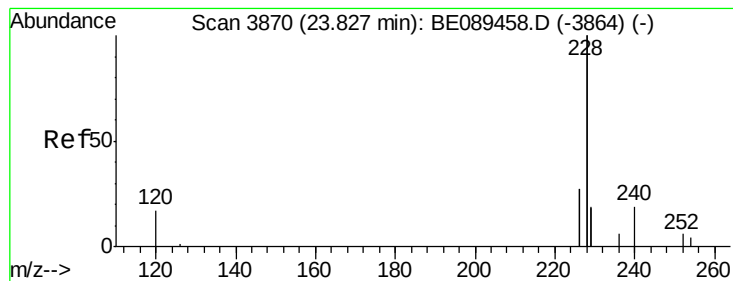
Ion Ratio Lower Upper

244 100

212 10.2 5.3 7.9#

122 21.6 10.5 15.7#





#23

Benzo(a)anthracene

Concen: 0.09 ng

RT: 23.83 min Scan# 3872

Delta R.T. 0.01 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

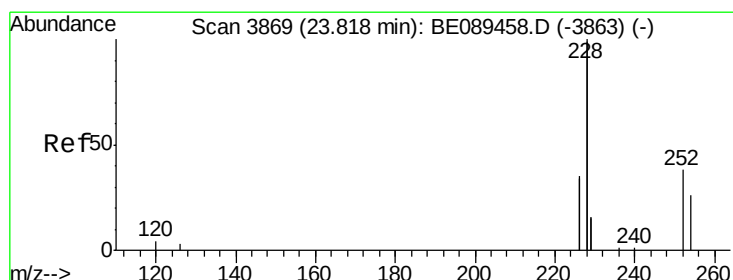
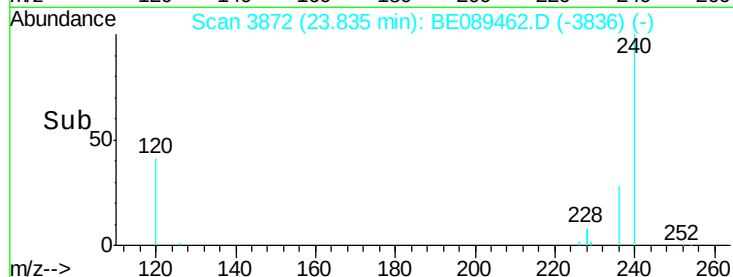
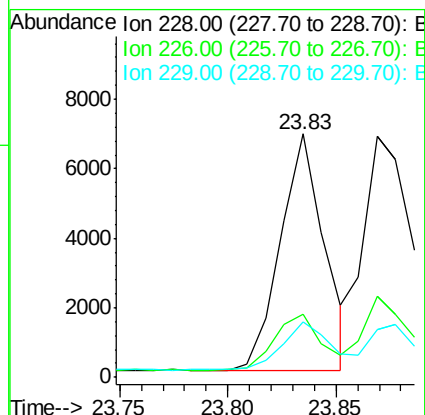
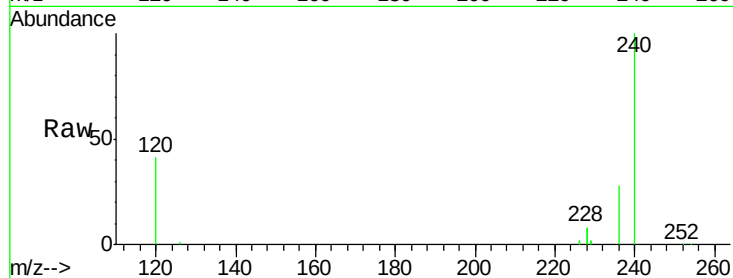
Tgt Ion:228 Resp: 9649

Ion Ratio Lower Upper

228 100

226 25.9 21.7 32.5

229 22.7 14.8 22.2#



#24

3,3'-Dichlorobenzidine

Concen: 0.08 ng

RT: 23.82 min Scan# 3870

Delta R.T. -0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

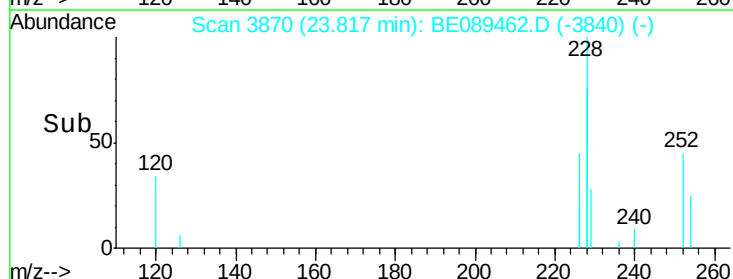
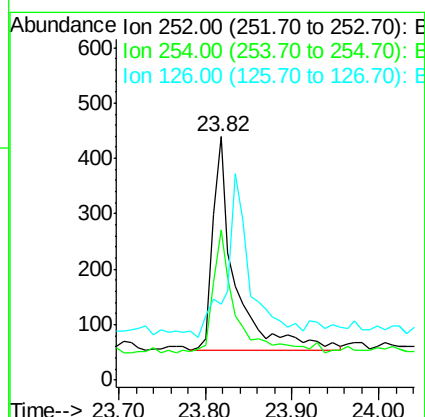
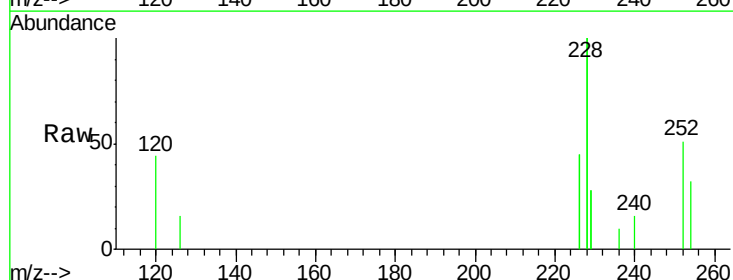
Tgt Ion:252 Resp: 675

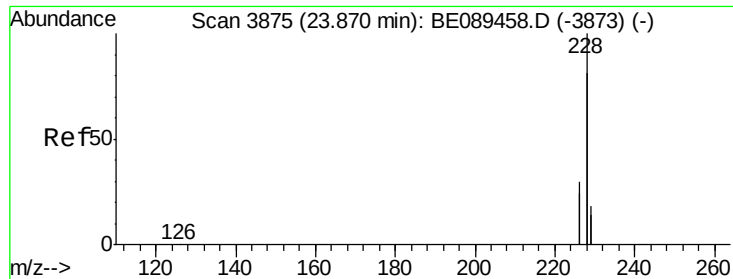
Ion Ratio Lower Upper

252 100

254 61.7 54.6 82.0

126 31.0 8.0 12.0#





#25

Chrysene

Concen: 0.10 ng

RT: 23.87 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

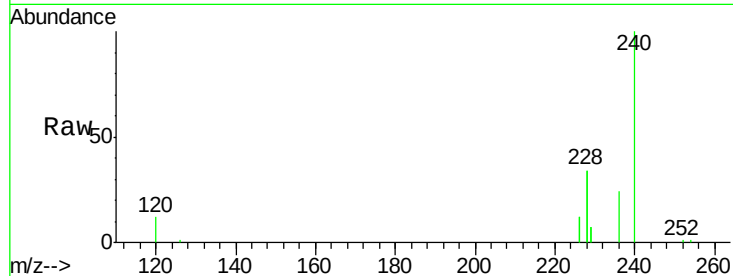
Tgt Ion:228 Resp: 14825

Ion Ratio Lower Upper

228 100

226 33.7 23.8 35.8

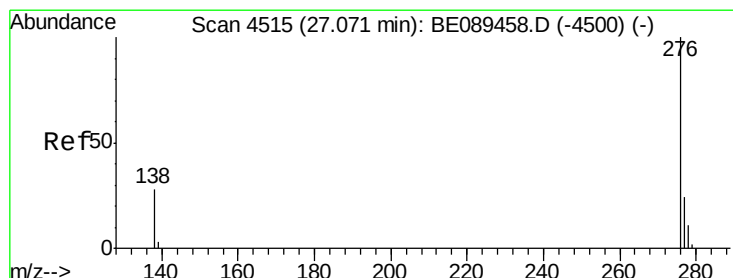
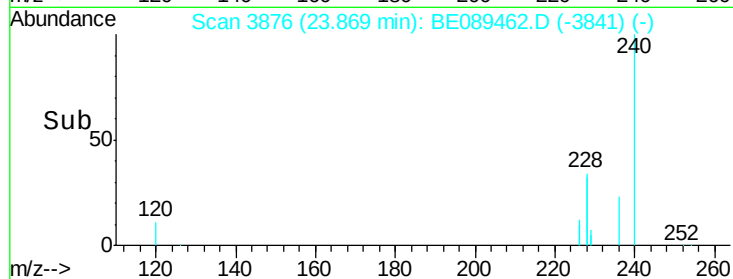
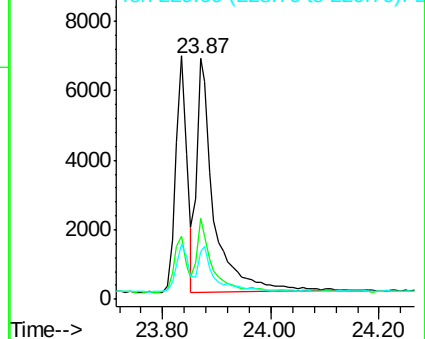
229 20.0 14.3 21.5



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: 0.09 ng m

RT: 27.07 min Scan# 4516

Delta R.T. 0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

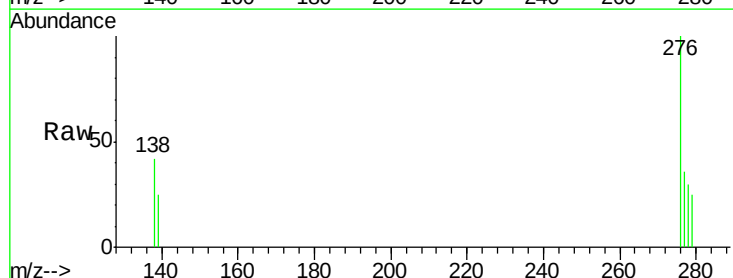
Tgt Ion:276 Resp: 2003

Ion Ratio Lower Upper

276 100

138 7.7 23.3 34.9#

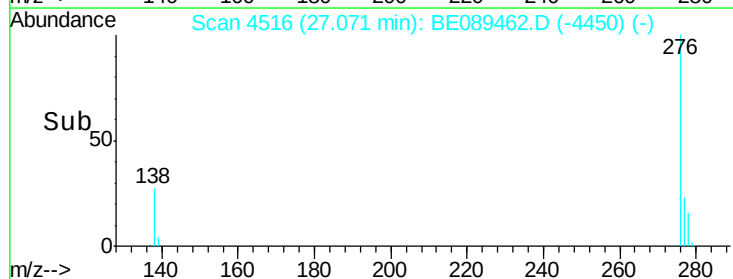
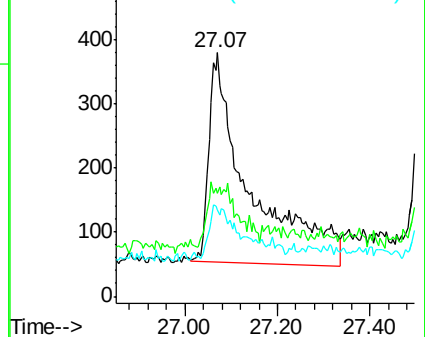
277 6.4 19.0 28.4#

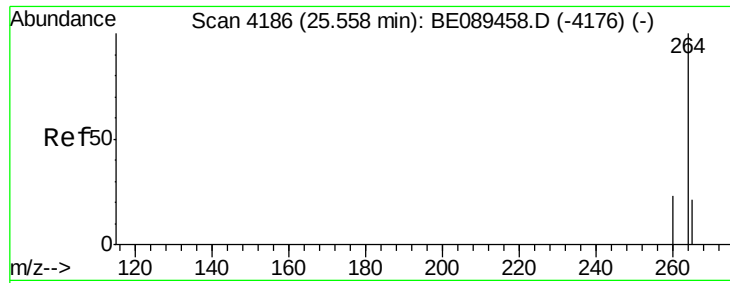


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

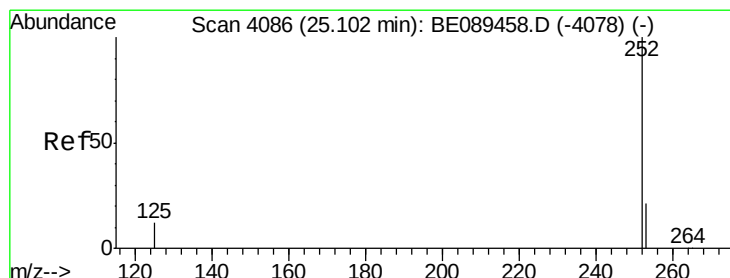
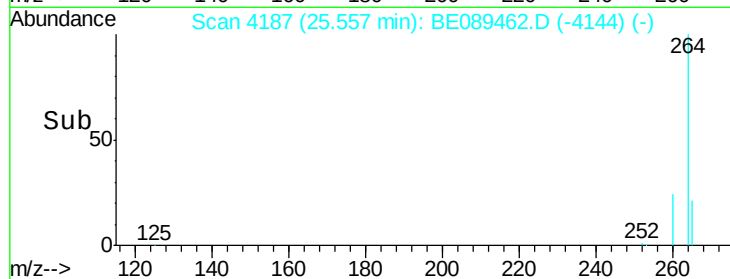
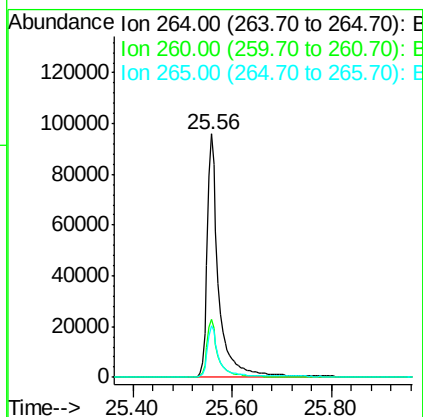
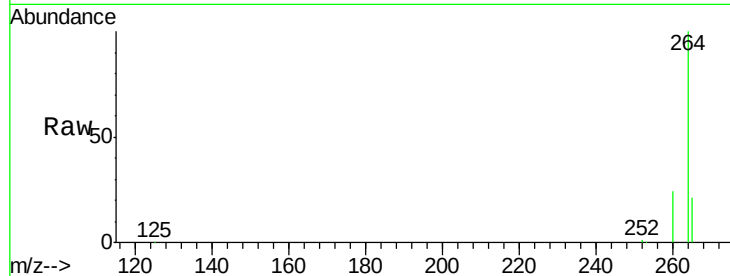




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.56 min Scan# 4187
 Delta R.T. -0.00 min
 Lab File: BE089462.D
 Acq: 2 Feb 2015 19:10

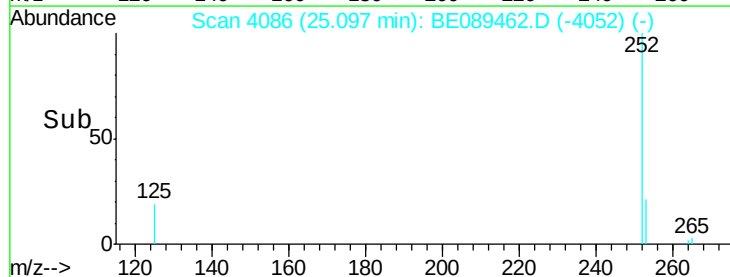
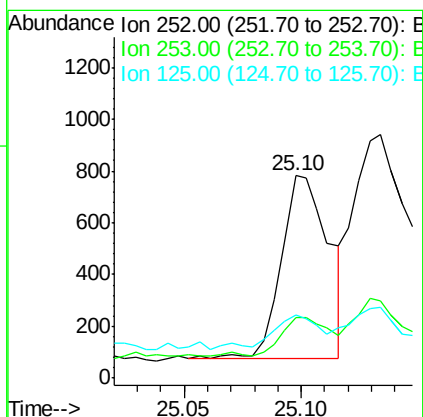
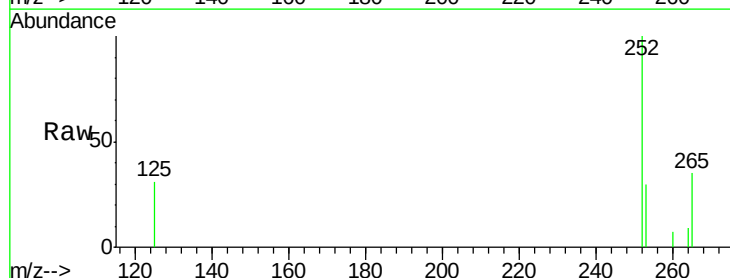
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

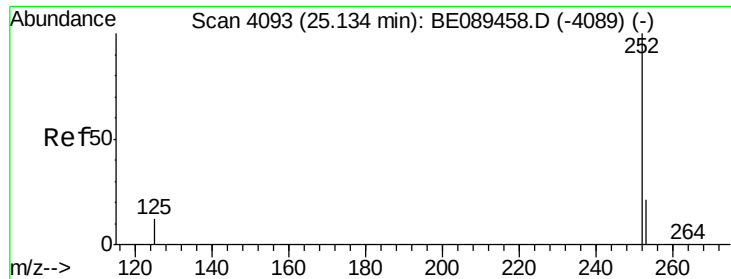
Tgt Ion: 264 Resp: 155713
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 21.4 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 0.07 ng
 RT: 25.10 min Scan# 4086
 Delta R.T. -0.01 min
 Lab File: BE089462.D
 Acq: 2 Feb 2015 19:10

Tgt Ion: 252 Resp: 1008
 Ion Ratio Lower Upper
 252 100
 253 29.8 17.4 26.0#
 125 31.0 10.4 15.6#





#29

Benzo(k)fluoranthene

Concen: 0.06 ng m

RT: 25.13 min Scan# 4094

Delta R.T. -0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

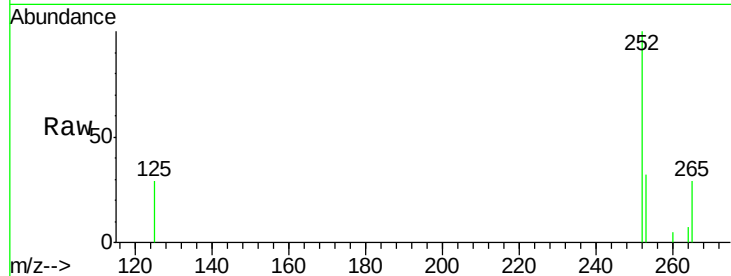
Tgt Ion:252 Resp: 2603

Ion Ratio Lower Upper

252 100

253 31.6 17.5 26.3#

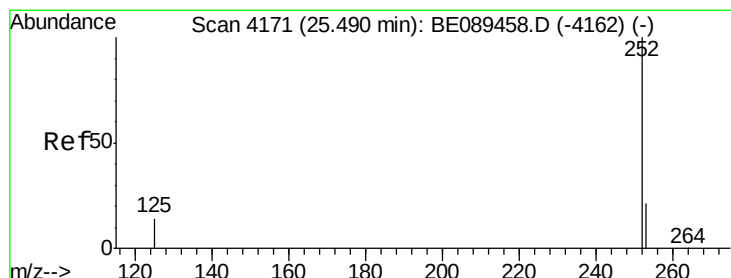
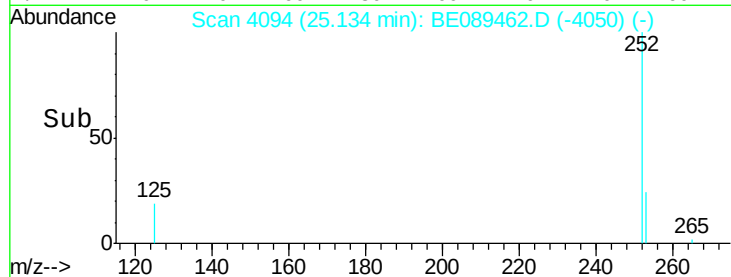
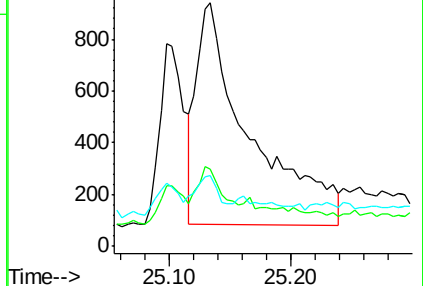
125 29.0 10.3 15.5#



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: 0.06 ng

RT: 25.48 min Scan# 4171

Delta R.T. -0.01 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

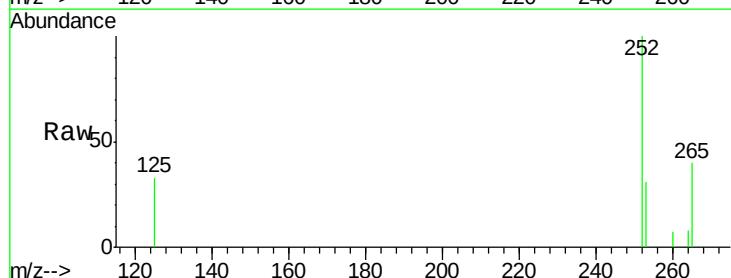
Tgt Ion:252 Resp: 1219

Ion Ratio Lower Upper

252 100

253 31.5 17.5 26.3#

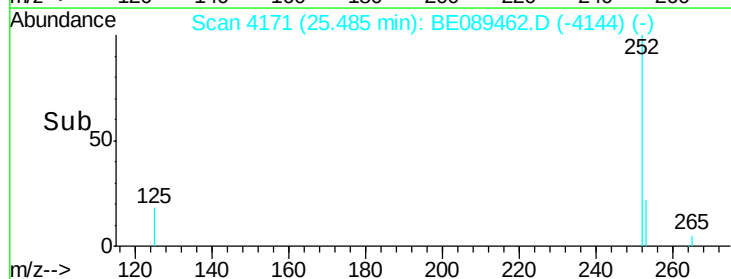
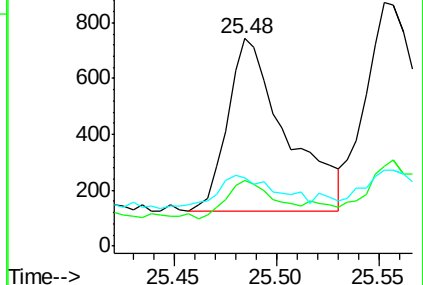
125 32.8 11.8 17.8#

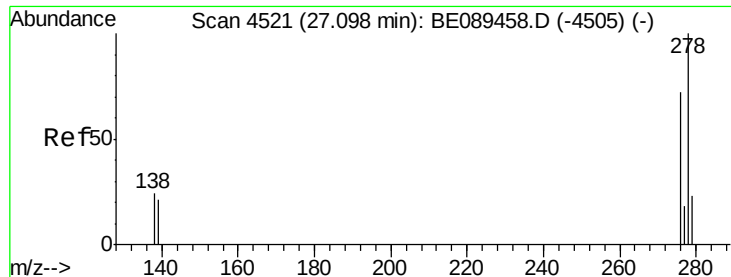


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 27.10 min Scan# 4523

Delta R.T. 0.00 min

Lab File: BE089462.D

Acq: 2 Feb 2015 19:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

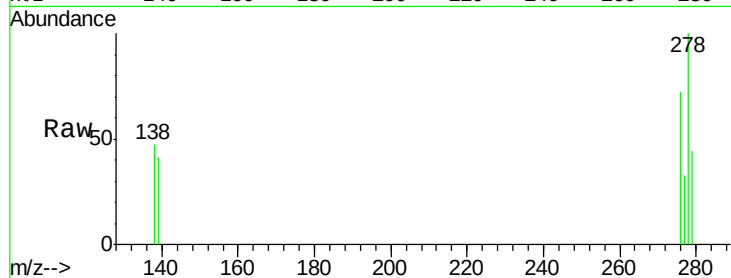
Tgt Ion: 278 Resp: 793

Ion Ratio Lower Upper

278 100

139 41.4 17.1 25.7#

279 43.6 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

