

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
 Data File : BE089394.D
 Acq On : 28 Jan 2015 18:34
 Operator : TP/IZ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Quant Time: Jan 29 01:20:38 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 01:08:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	131394	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	472456	5.00	ng	0.00
13) Acenaphthene-d10	12.21	164	6624	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	382156	5.00	ng	0.00
20) Chrysene-d12	23.84	240	427696	5.00	ng	0.00
27) Perylene-d12	25.55	264	437096	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.73	112	19596	0.44	ng	0.00
4) Phenol-d6	8.84	99	24925	0.46	ng	0.00
8) Nitrobenzene-d5	10.84	82	16025	0.44	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	2066	4.43	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	28424	4.45	ng	0.00
22) Terphenyl-d14	22.48	244	25760	0.66	ng	0.00

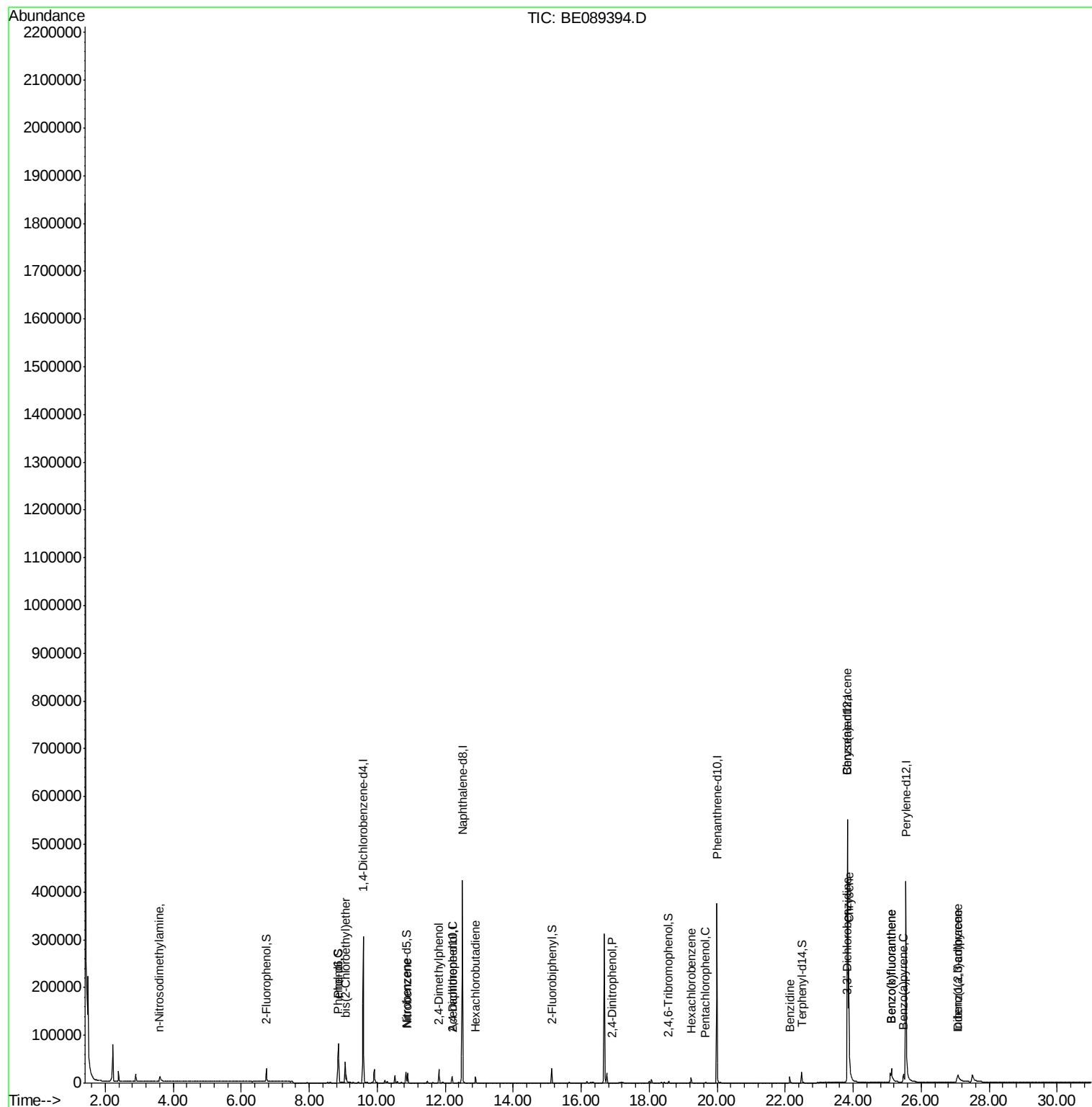
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.59	42	9862	0.45	ng	# 79
5) Phenol	8.87	94	26678	0.48	ng	# 56
6) bis(2-Chloroethyl)ether	9.06	93	20076	0.49	ng	# 99
9) Nitrobenzene	10.88	77	18018	0.44	ng	99
10) 2,4-Dimethylphenol	11.82	122	13848	0.41	ng	97
11) 2,4-Dichlorophenol	12.21	162	10539	0.44	ng	96
12) Hexachlorobutadiene	12.89	225	7536	0.48	ng	100
16) 2,4-Dinitrophenol	16.90	184	269	2.03	ng	# 82
18) Hexachlorobenzene	19.23	284	8596	0.45	ng	98
19) Pentachlorophenol	19.65	266	901	0.27	ng	97
21) Benzidine	22.14	184	15162	0.45	ng	98
23) Benzo(a)anthracene	23.83	228	189121	0.64	ng	99
24) 3,3'-Dichlorobenzidine	23.81	252	11950	0.45	ng	98
25) Chrysene	23.87	228	242323	0.50	ng	100
26) Indeno(1,2,3-cd)pyrene	27.06	276	36569	0.21	ng	# 100
28) Benzo(b)fluoranthene	25.13	252	91539	3.09	ng	99
29) Benzo(k)fluoranthene	25.13	252	92652	1.38	ng	99
30) Benzo(a)pyrene	25.48	252	26303	0.67	ng	99
31) Dibenzo(a,h)anthracene	27.08	278	26099	0.82	ng	97

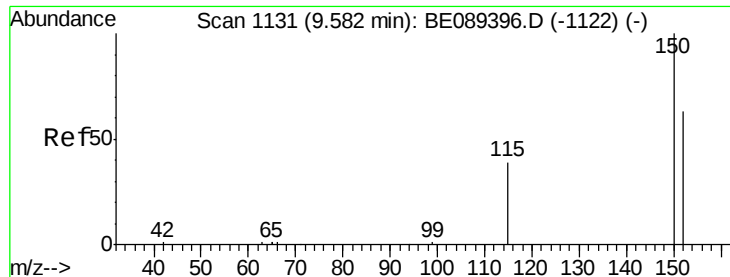
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

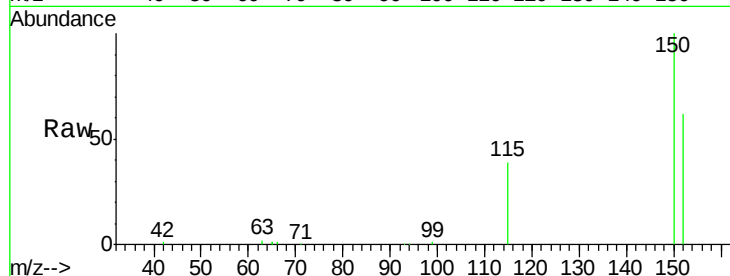
Tgt Ion:152 Resp: 131394

Ion Ratio Lower Upper

152 100

150 161.6 127.2 190.8

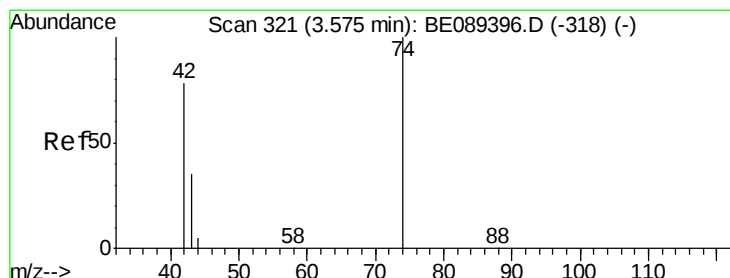
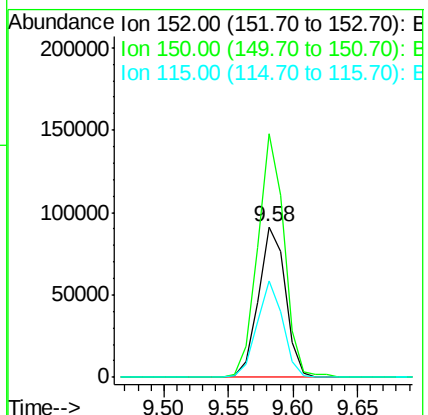
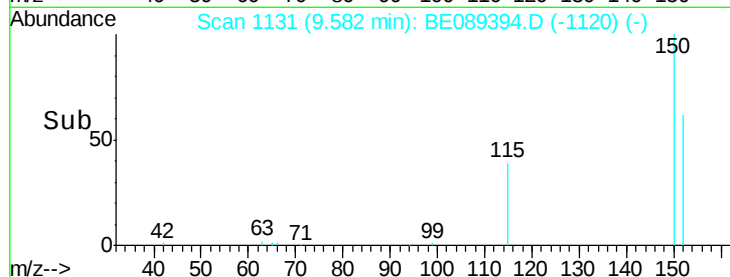
115 63.8 49.3 73.9



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: 0.45 ng

RT: 3.59 min Scan# 324

Delta R.T. 0.02 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

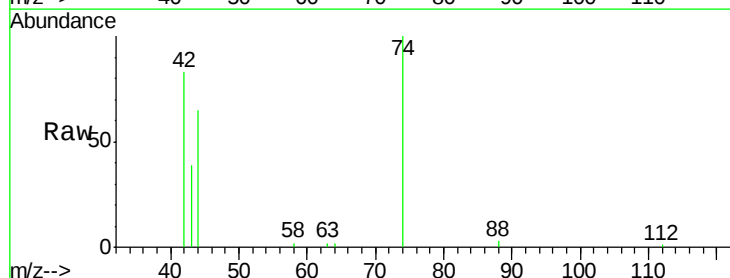
Tgt Ion: 42 Resp: 9862

Ion Ratio Lower Upper

42 100

74 120.5 101.2 151.8

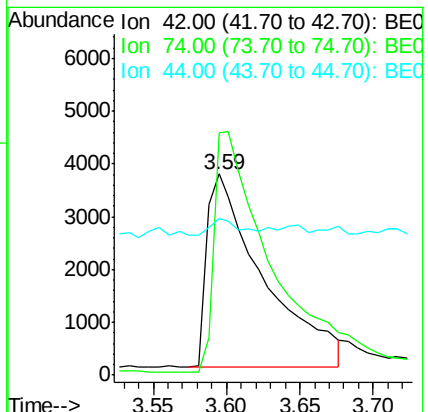
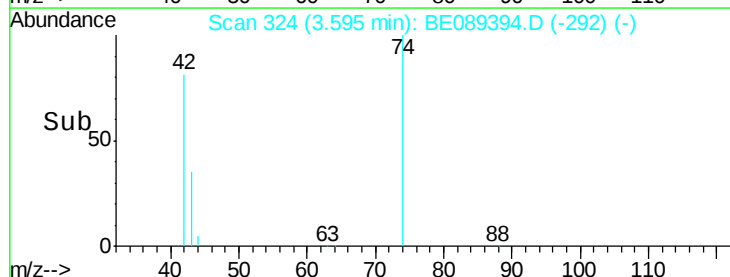
44 78.1 26.4 39.6#

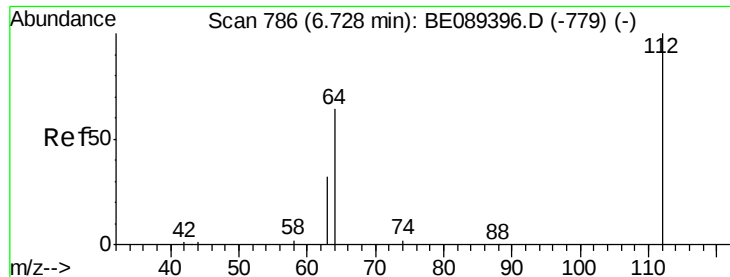


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

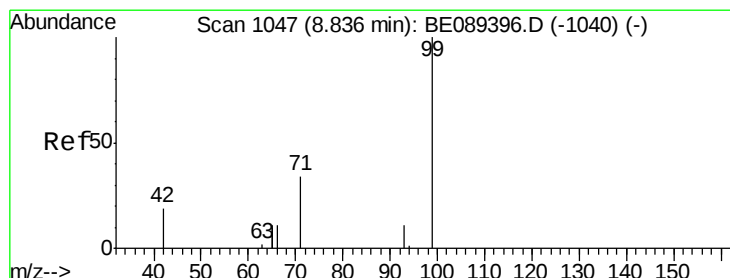
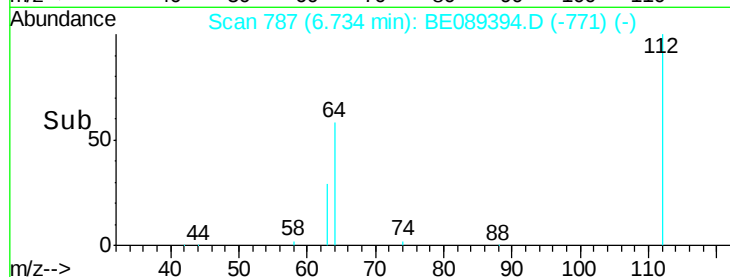
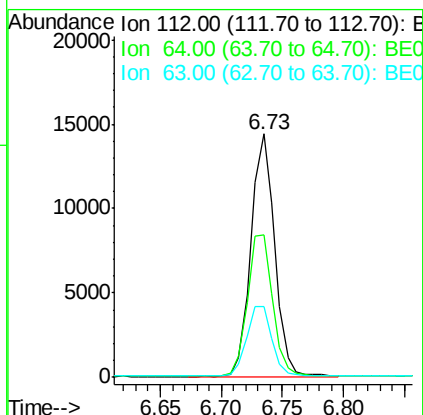
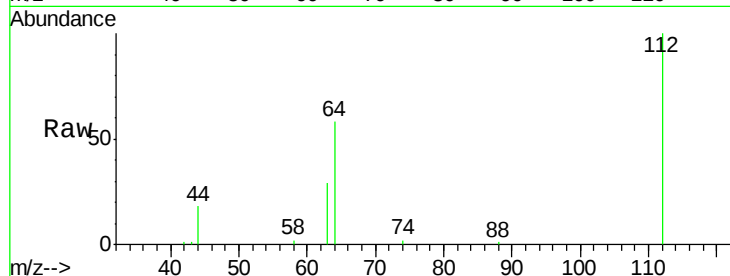




#3
 2-Fluorophenol
 Concen: 0.44 ng
 RT: 6.73 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: BE089394.D
 Acq: 28 Jan 2015 18:34

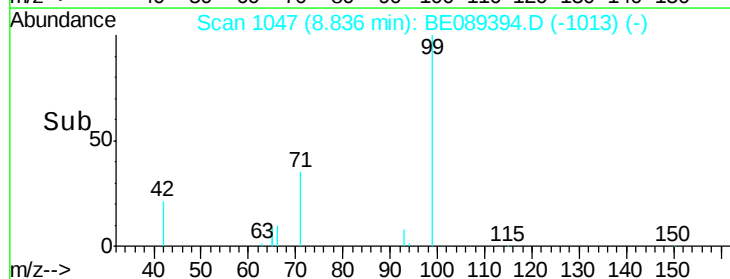
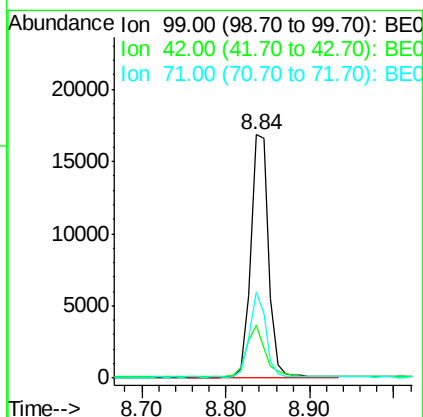
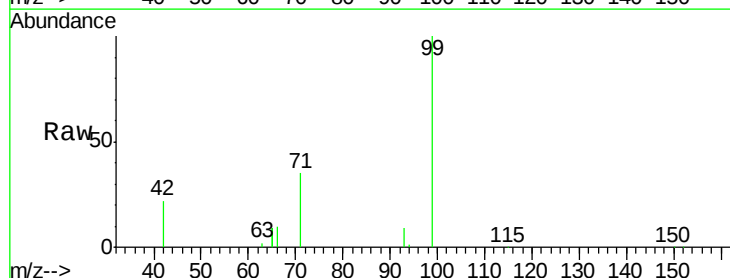
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

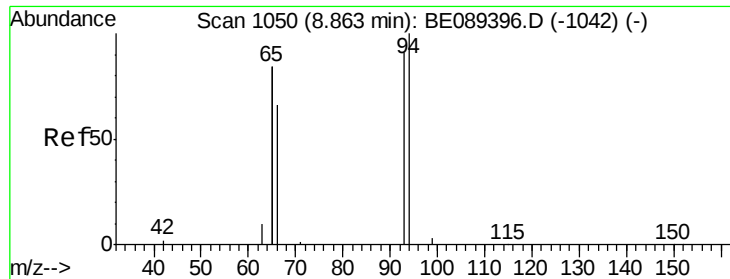
Tgt Ion: 112 Resp: 19596
 Ion Ratio Lower Upper
 112 100
 64 58.4 51.7 77.5
 63 29.0 25.7 38.5



#4
 Phenol-d6
 Concen: 0.46 ng
 RT: 8.84 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BE089394.D
 Acq: 28 Jan 2015 18:34

Tgt Ion: 99 Resp: 24925
 Ion Ratio Lower Upper
 99 100
 42 21.8 15.3 22.9
 71 35.4 27.0 40.6





#5

Phenol

Concen: 0.48 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

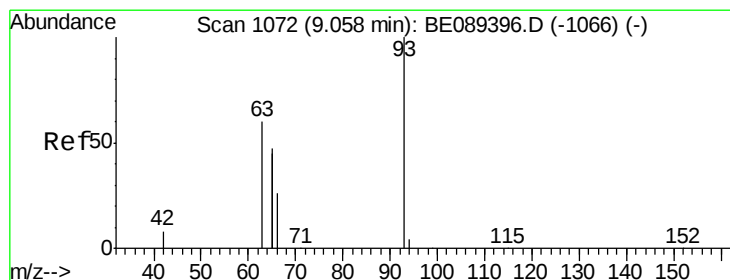
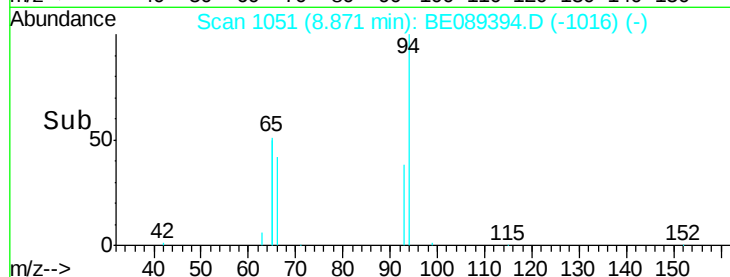
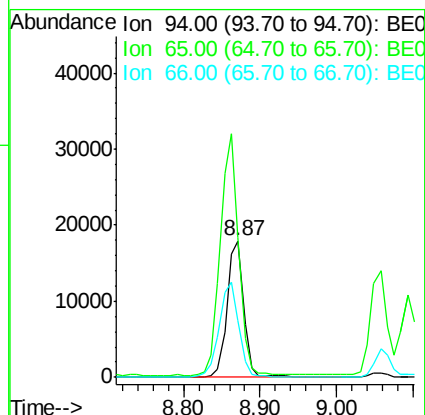
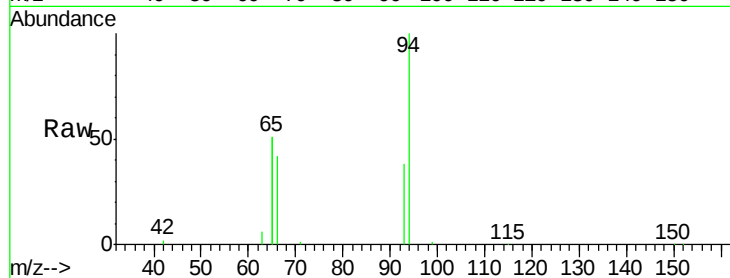
Tgt Ion: 94 Resp: 26678

Ion Ratio Lower Upper

94 100

65 102.4 148.6 188.6#

66 41.8 46.2 86.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.49 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

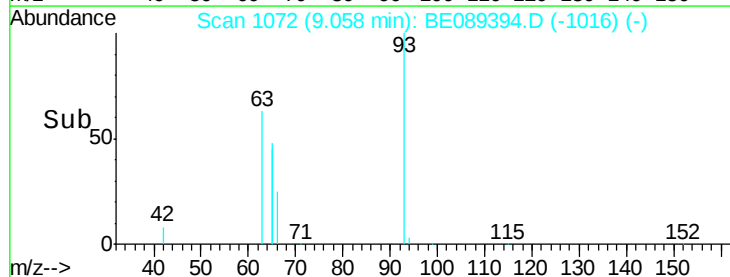
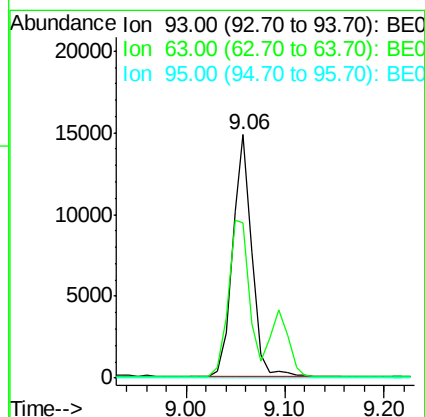
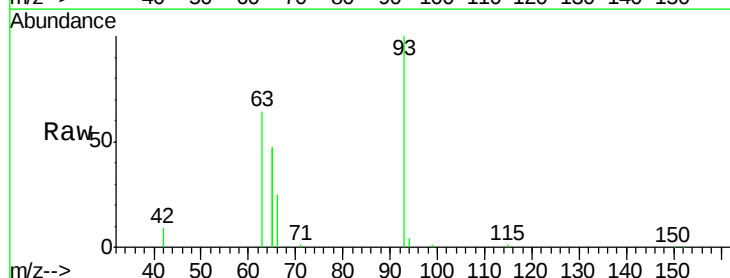
Tgt Ion: 93 Resp: 20076

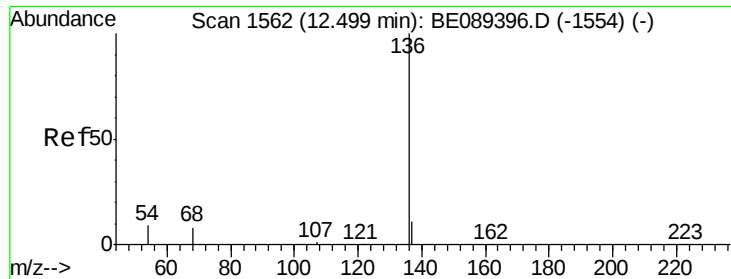
Ion Ratio Lower Upper

93 100

63 72.9 58.9 88.3

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

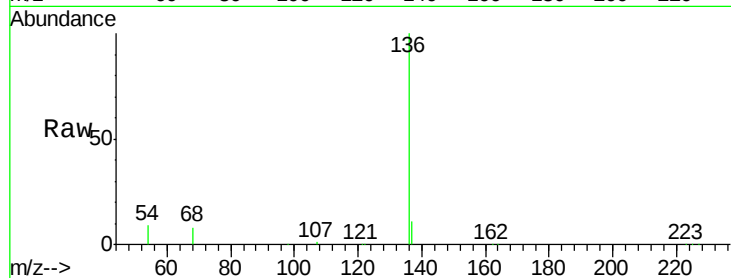
Tgt Ion: 136 Resp: 472456

Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

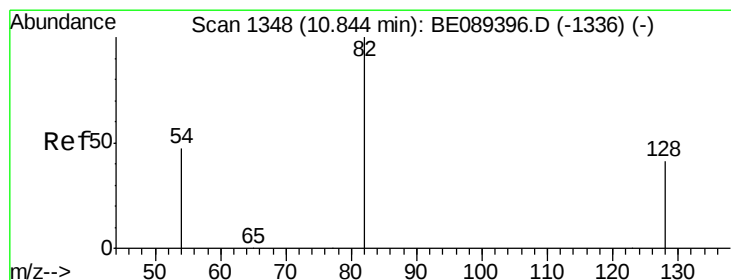
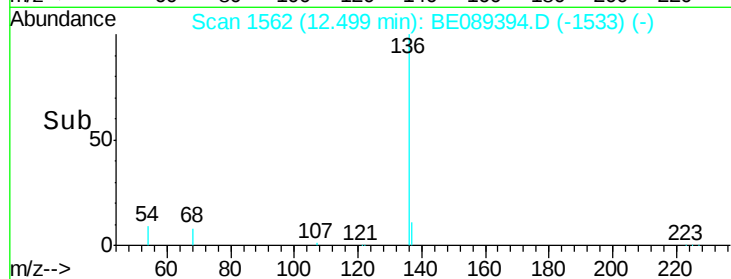
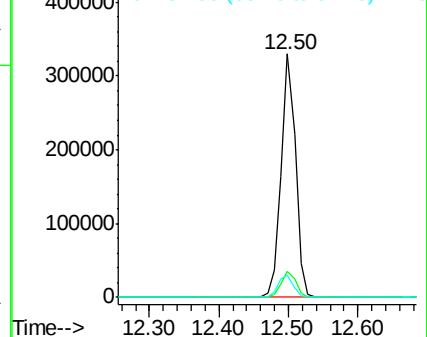
54 9.4 7.4 11.0



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: 0.44 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

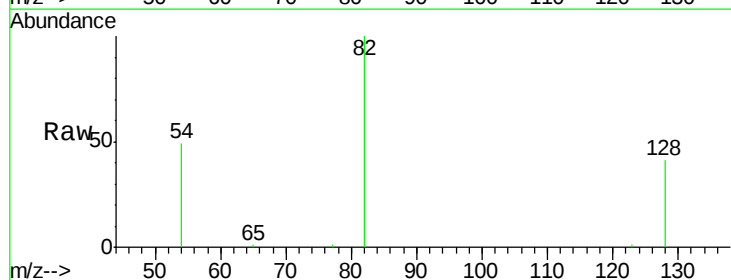
Tgt Ion: 82 Resp: 16025

Ion Ratio Lower Upper

82 100

128 40.9 33.6 50.4

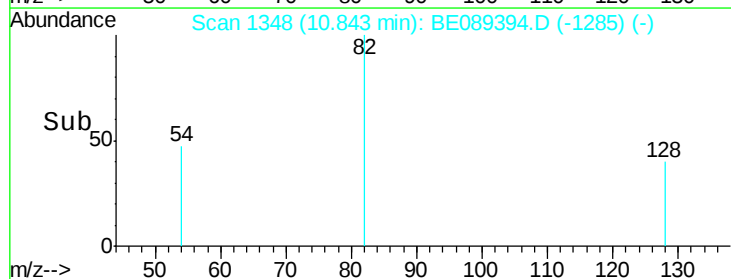
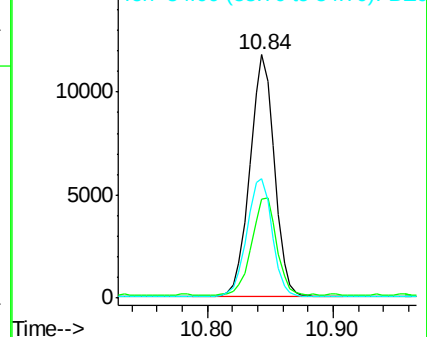
54 49.1 37.7 56.5

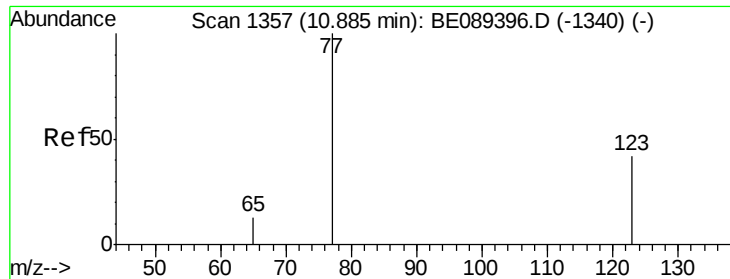


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.44 ng

RT: 10.88 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

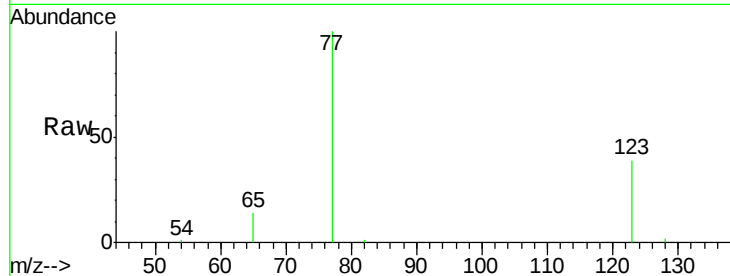
Tgt Ion: 77 Resp: 18018

Ion Ratio Lower Upper

77 100

123 43.0 34.7 52.1

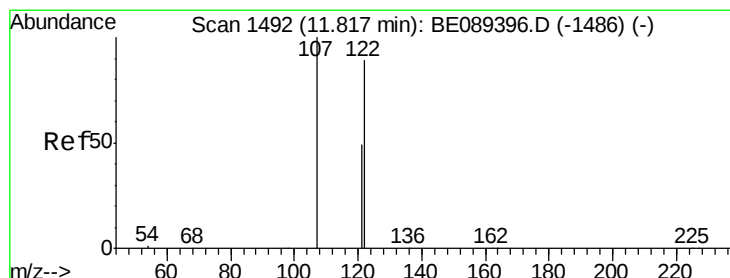
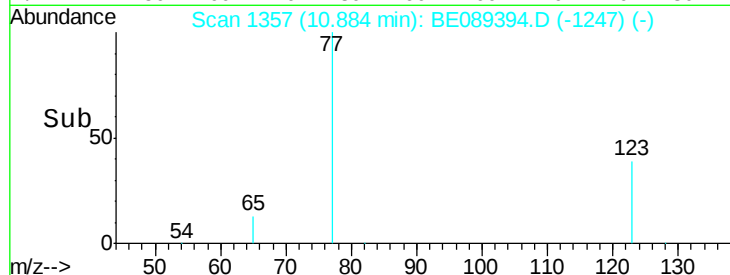
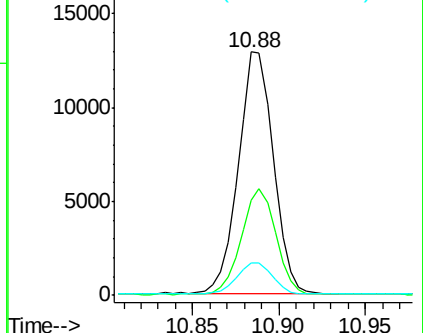
65 13.4 10.6 15.8



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: 0.41 ng

RT: 11.82 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

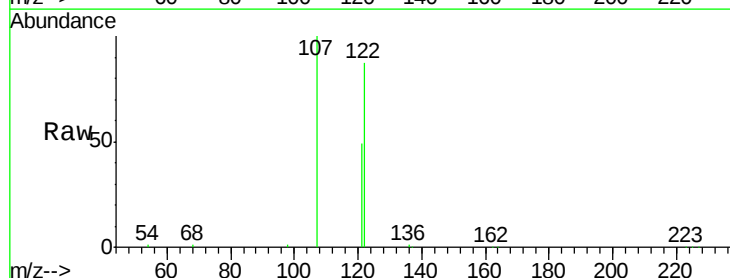
Tgt Ion: 122 Resp: 13848

Ion Ratio Lower Upper

122 100

107 115.6 89.4 134.2

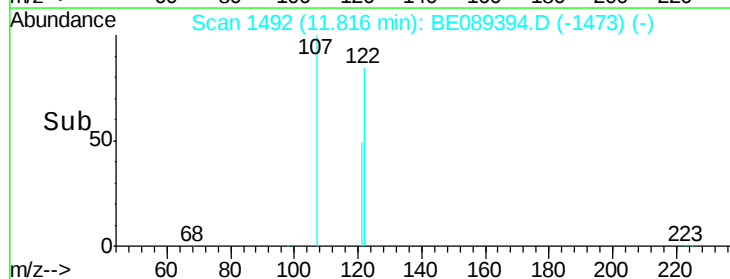
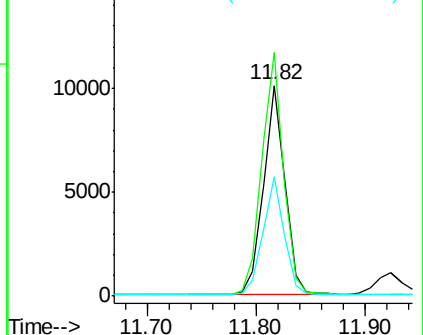
121 56.6 43.6 65.4

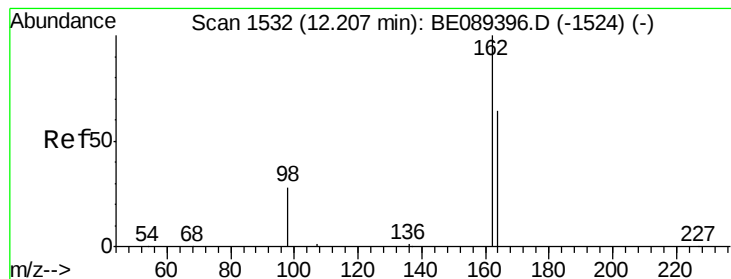


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#11

2,4-Dichlorophenol

Concen: 0.44 ng

RT: 12.21 min Scan# 1532

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

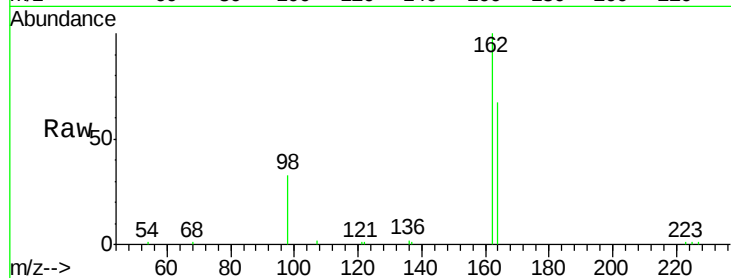
Tgt Ion:162 Resp: 10539

Ion Ratio Lower Upper

162 100

164 67.1 44.6 84.6

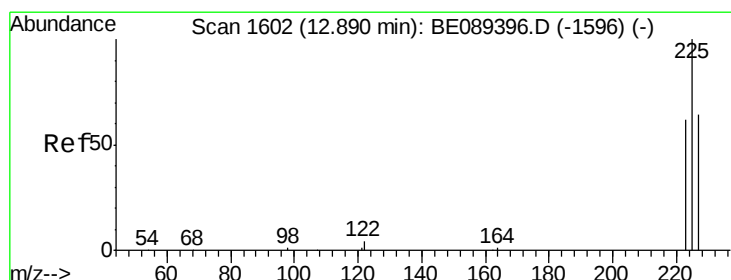
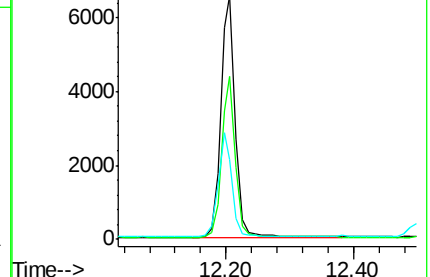
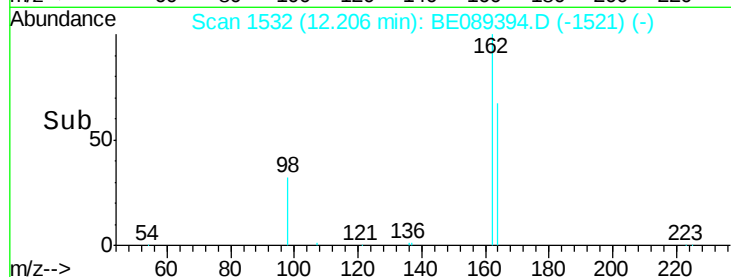
98 32.6 8.7 48.7



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): E



#12

Hexachlorobutadiene

Concen: 0.48 ng

RT: 12.89 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

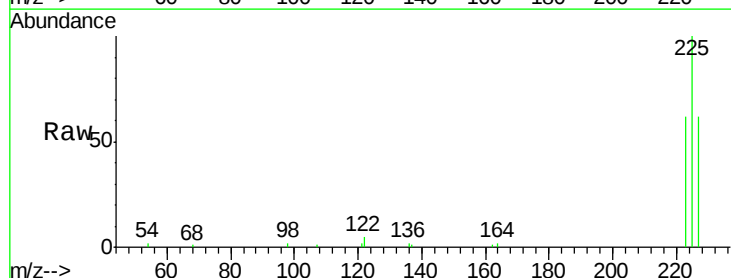
Tgt Ion:225 Resp: 7536

Ion Ratio Lower Upper

225 100

223 62.9 50.2 75.4

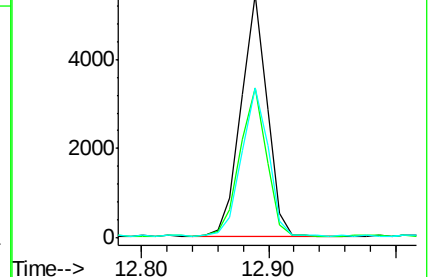
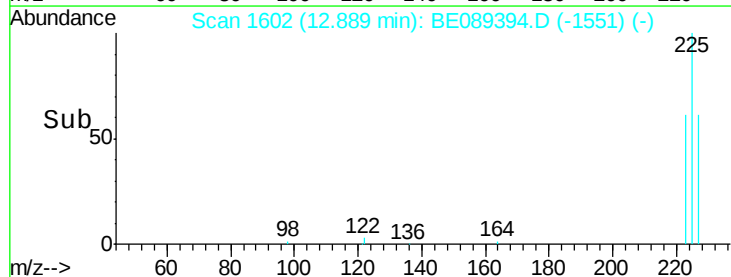
227 62.9 50.5 75.7

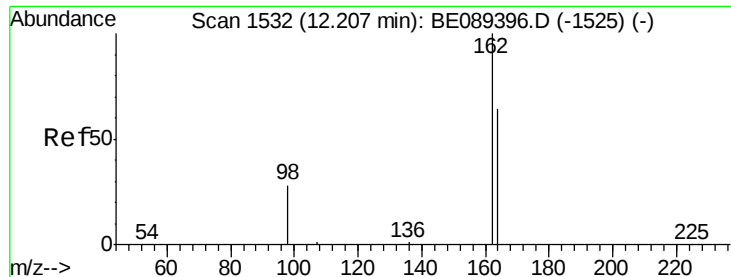


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

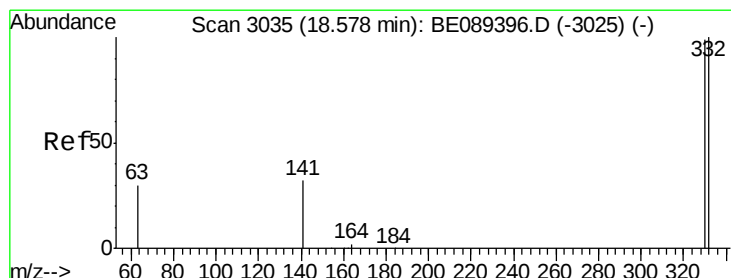
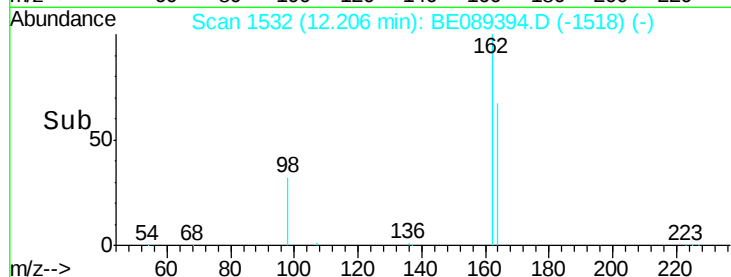
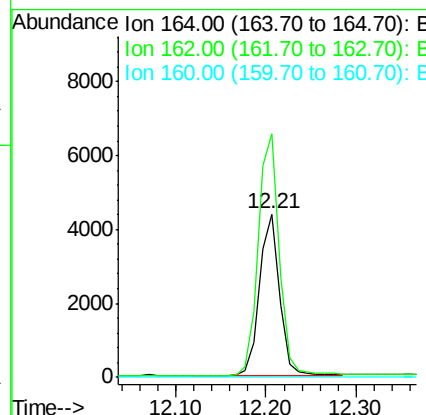
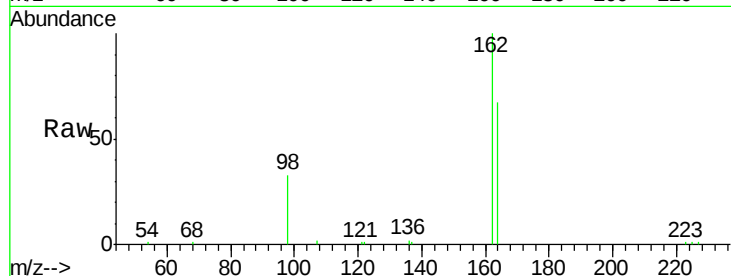




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 12.21 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BE089394.D
Acq: 28 Jan 2015 18:34

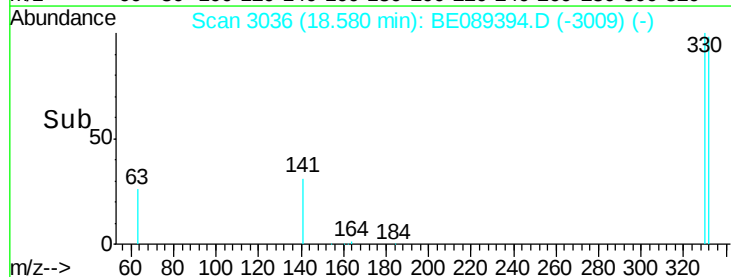
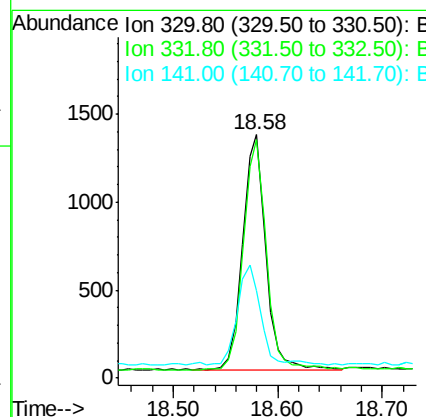
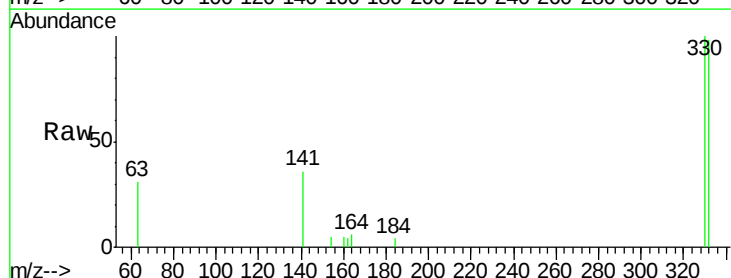
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

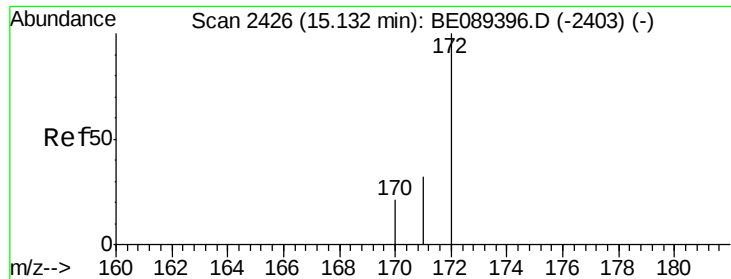
Tgt Ion:164 Resp: 6624
Ion Ratio Lower Upper
164 100
162 149.1 123.9 185.9
160 0.0 0.0 0.0



#14
2,4,6-Tribromophenol
Concen: 4.43 ng
RT: 18.58 min Scan# 3036
Delta R.T. 0.00 min
Lab File: BE089394.D
Acq: 28 Jan 2015 18:34

Tgt Ion:330 Resp: 2066
Ion Ratio Lower Upper
330 100
332 97.7 77.5 116.3
141 40.8 32.4 48.6

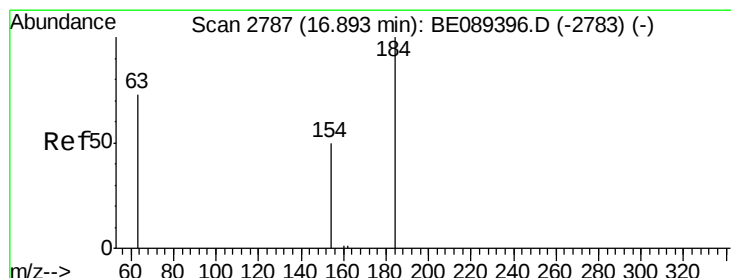
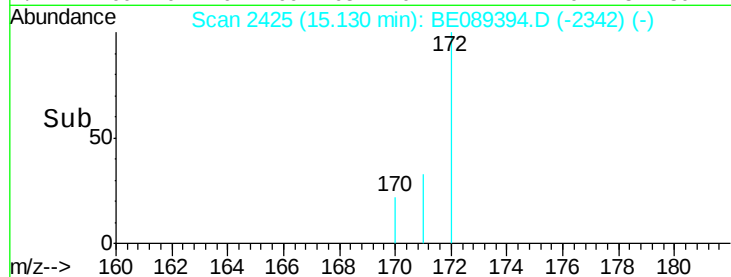
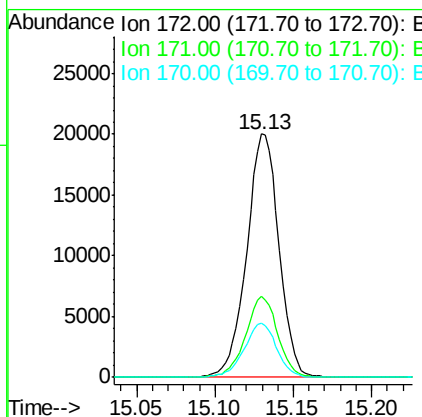
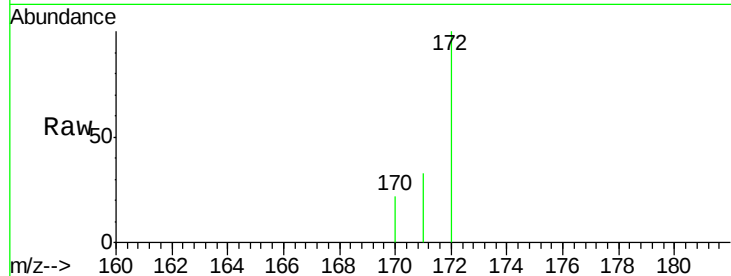




#15
2-Fluorobiphenyl
Concen: 4.45 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089394.D
Acq: 28 Jan 2015 18:34

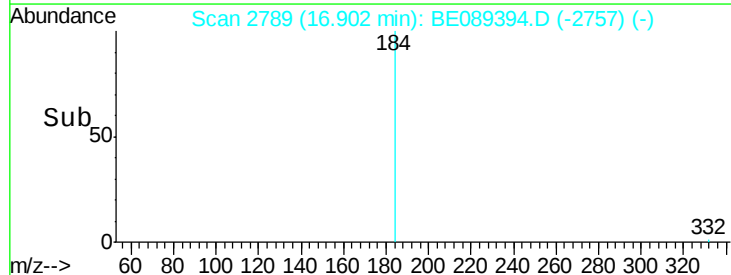
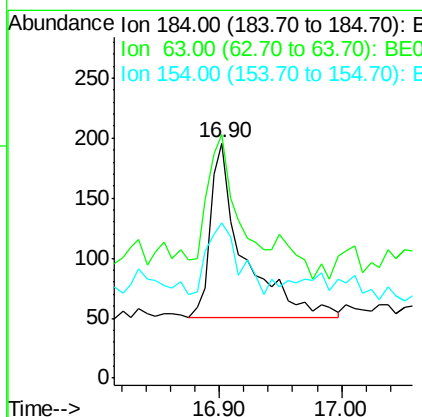
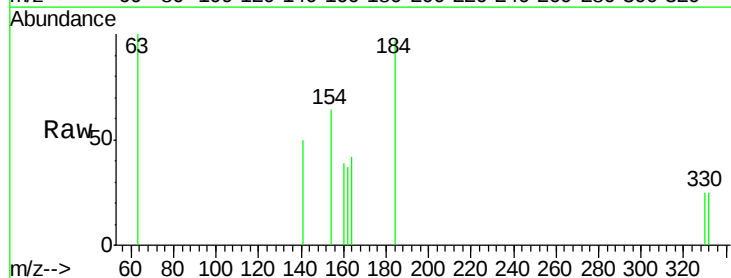
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

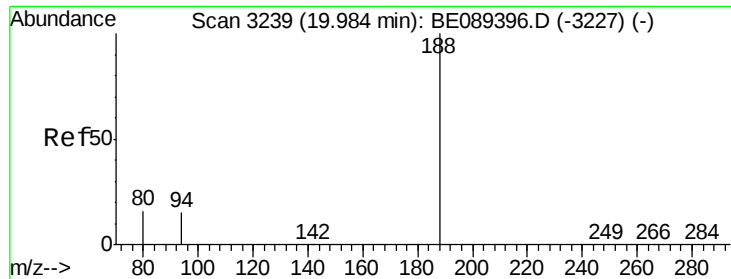
Tgt Ion:172 Resp: 28424
Ion Ratio Lower Upper
172 100
171 33.2 25.6 38.4
170 22.4 17.0 25.4



#16
2,4-Dinitrophenol
Concen: 2.03 ng
RT: 16.90 min Scan# 2789
Delta R.T. 0.01 min
Lab File: BE089394.D
Acq: 28 Jan 2015 18:34

Tgt Ion:184 Resp: 269
Ion Ratio Lower Upper
184 100
63 103.6 66.9 100.3#
154 65.8 45.1 67.7

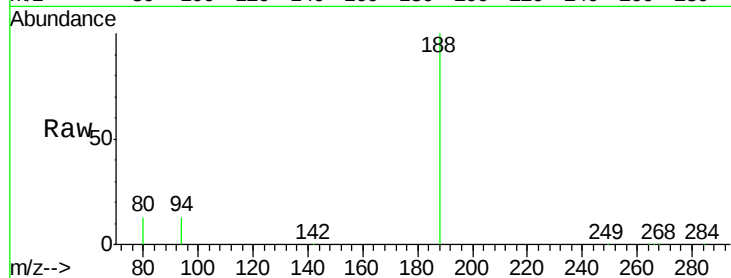




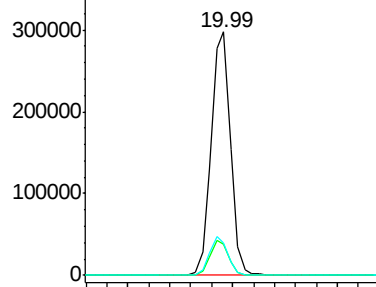
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3241
Delta R.T. 0.01 min
Lab File: BE089394.D
Acq: 28 Jan 2015 18:34

Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

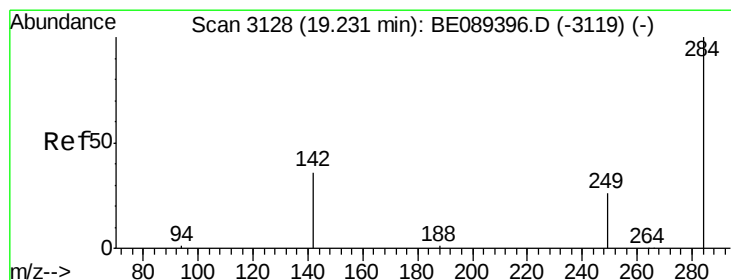
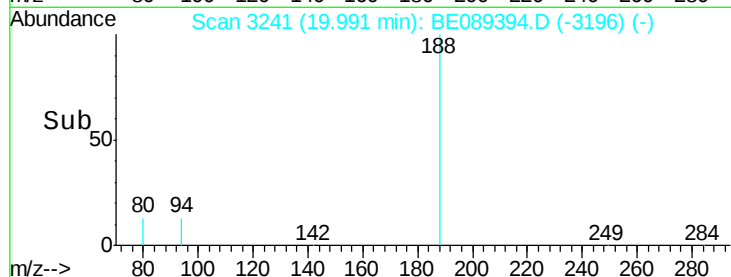
Tgt Ion:188 Resp: 382156
Ion Ratio Lower Upper
188 100
94 12.9 12.0 18.0
80 13.3 13.2 19.8



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

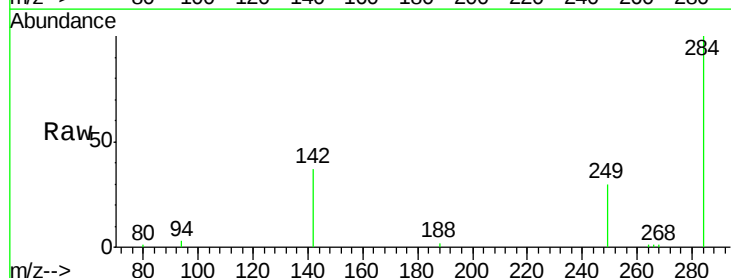


Time-->

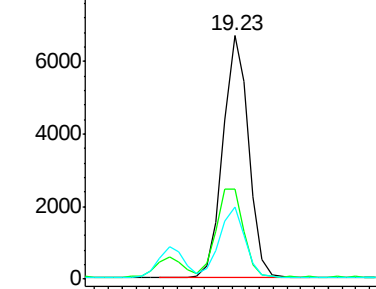


#18
Hexachlorobenzene
Concen: 0.45 ng
RT: 19.23 min Scan# 3129
Delta R.T. 0.00 min
Lab File: BE089394.D
Acq: 28 Jan 2015 18:34

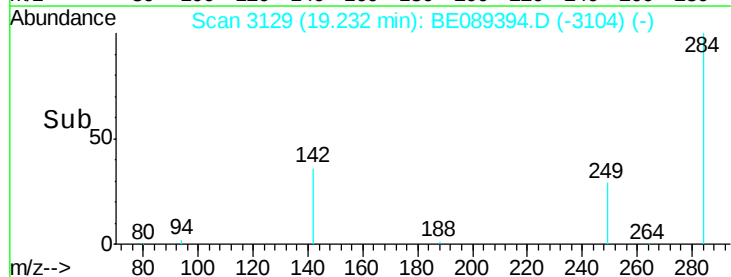
Tgt Ion:284 Resp: 8596
Ion Ratio Lower Upper
284 100
142 37.0 30.7 46.1
249 29.9 23.4 35.2

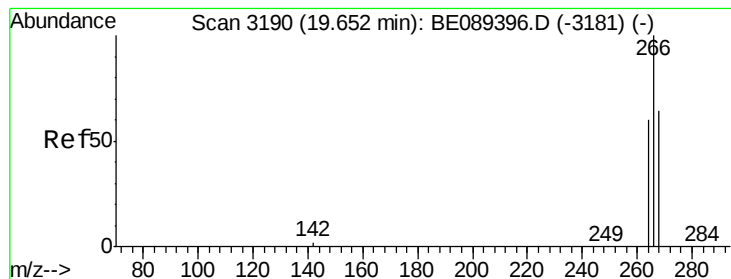


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->





#19

Pentachlorophenol

Concen: 0.27 ng

RT: 19.65 min Scan# 3191

Delta R.T. 0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

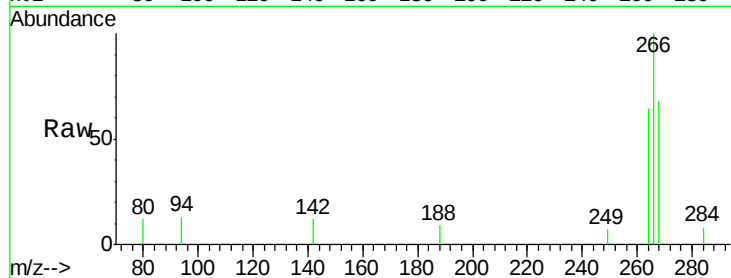
Tgt Ion:266 Resp: 901

Ion Ratio Lower Upper

266 100

268 68.0 52.5 78.7

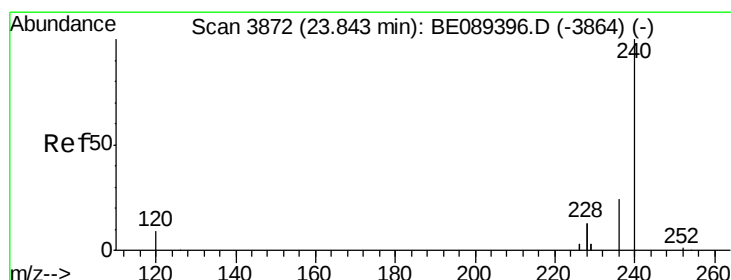
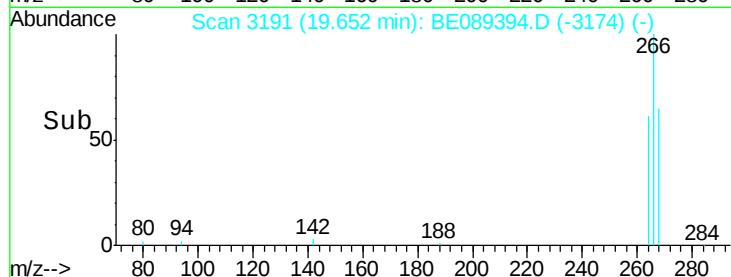
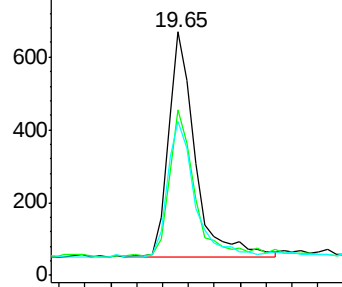
264 63.5 48.8 73.2



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: BE089394.D

Acq: 28 Jan 2015 18:34

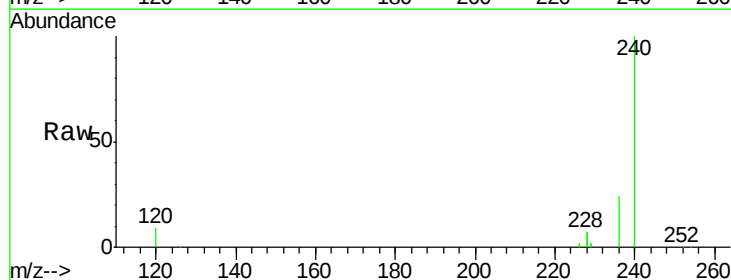
Tgt Ion:240 Resp: 427696

Ion Ratio Lower Upper

240 100

120 8.6 7.1 10.7

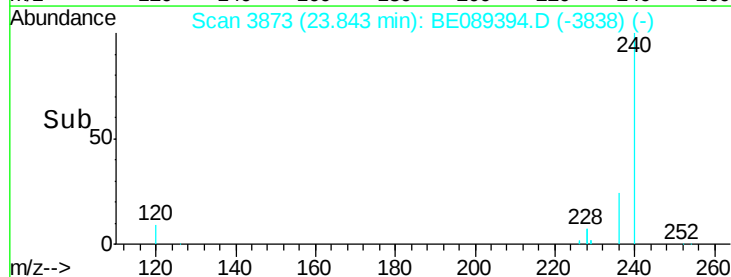
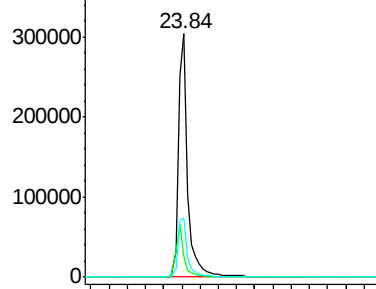
236 24.3 19.5 29.3

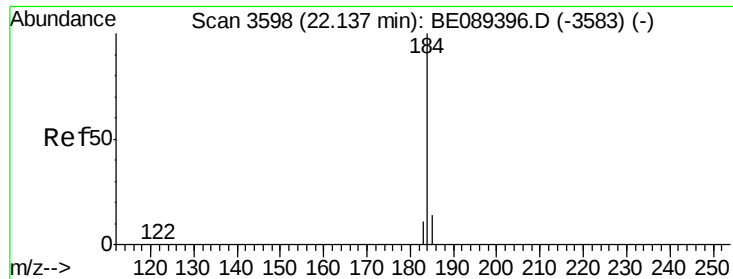


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.45 ng

RT: 22.14 min Scan# 3599

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

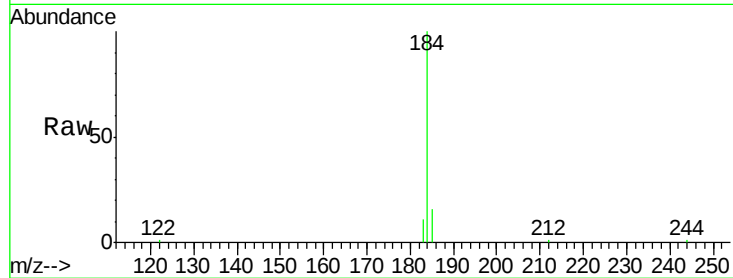
Tgt Ion:184 Resp: 15162

Ion Ratio Lower Upper

184 100

185 15.5 11.4 17.0

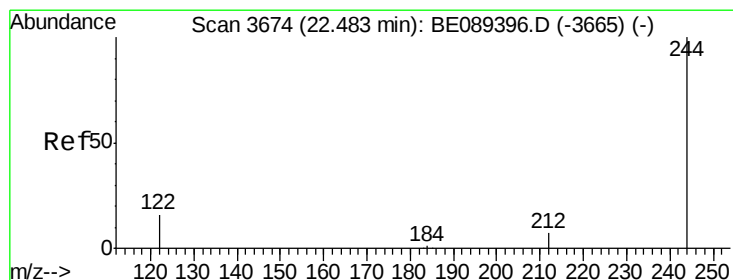
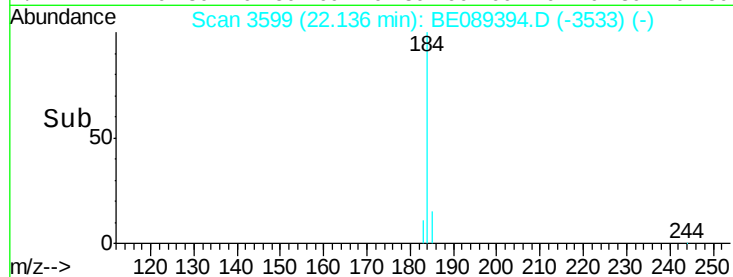
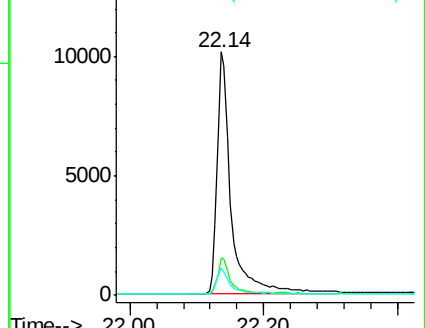
183 11.4 8.7 13.1



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: 0.66 ng

RT: 22.48 min Scan# 3675

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

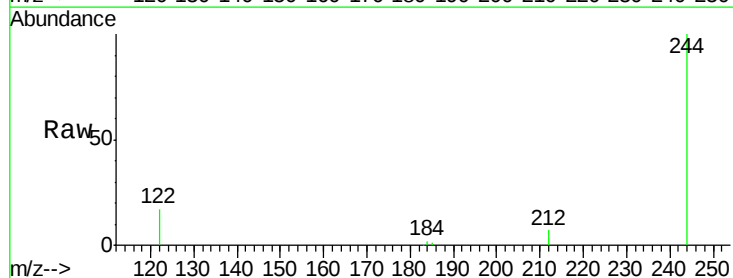
Tgt Ion:244 Resp: 25760

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

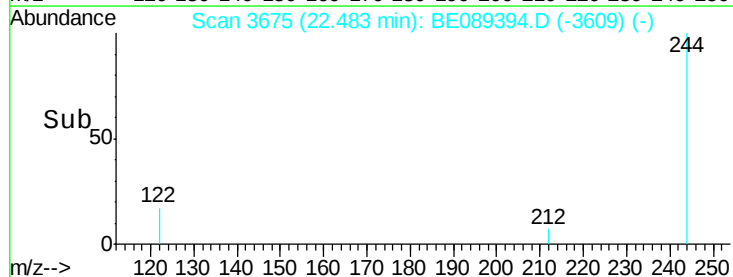
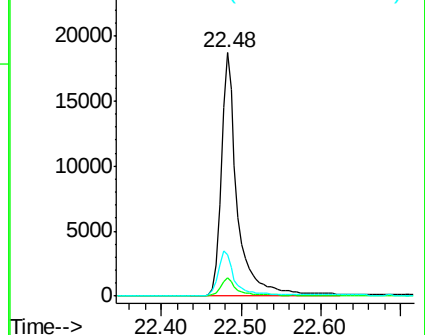
122 17.0 12.8 19.2

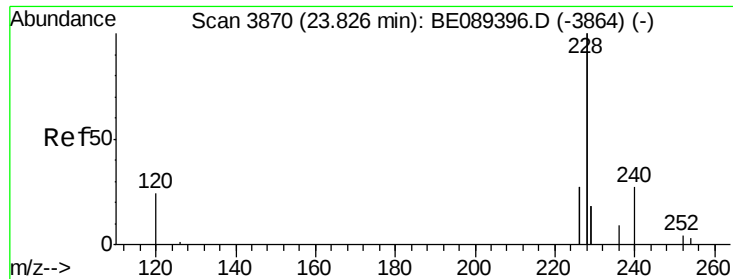


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 0.64 ng

RT: 23.83 min Scan# 3871

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDICC0.5

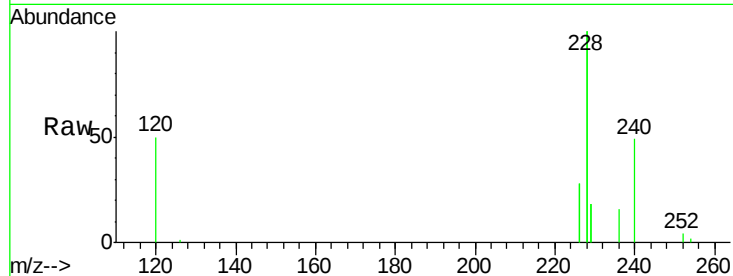
Tgt Ion:228 Resp: 189121

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.6

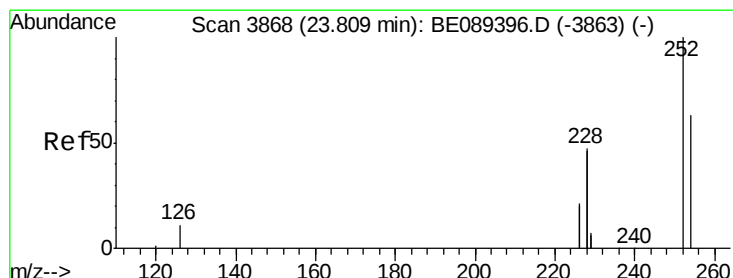
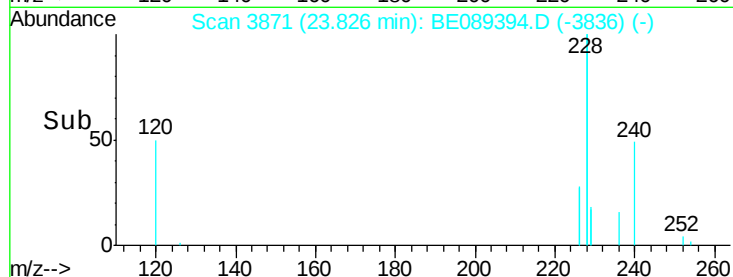
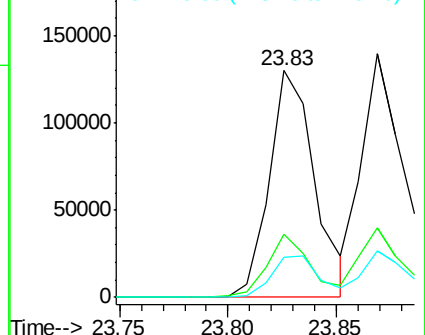
229 17.6 14.5 21.7



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



#24

3,3'-Dichlorobenzidine

Concen: 0.45 ng

RT: 23.81 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

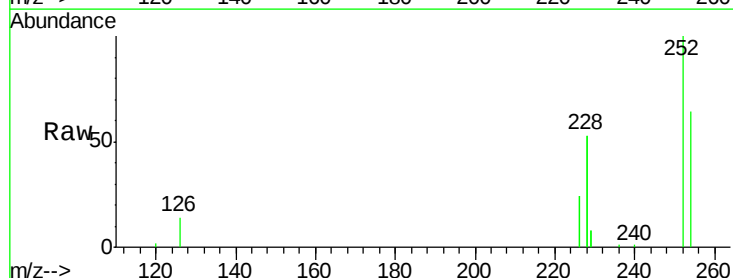
Tgt Ion:252 Resp: 11950

Ion Ratio Lower Upper

252 100

254 63.7 50.2 75.4

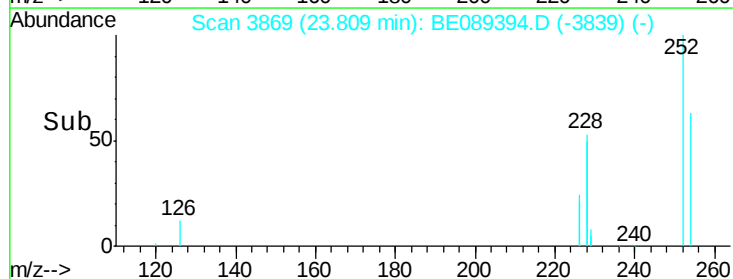
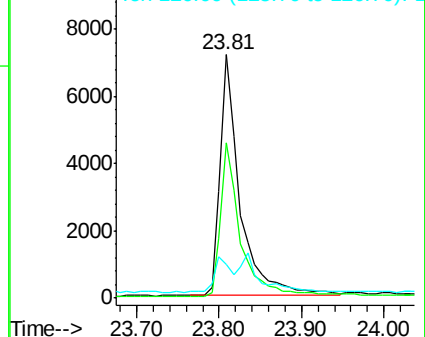
126 14.0 9.8 14.6

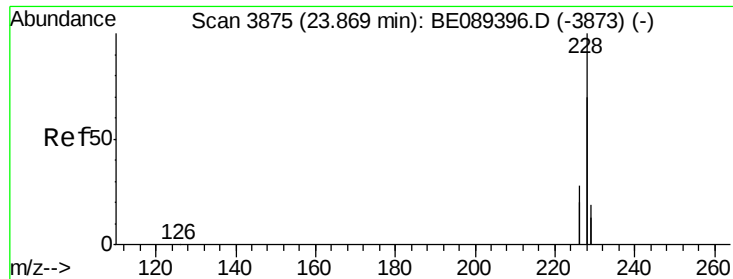


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.50 ng

RT: 23.87 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

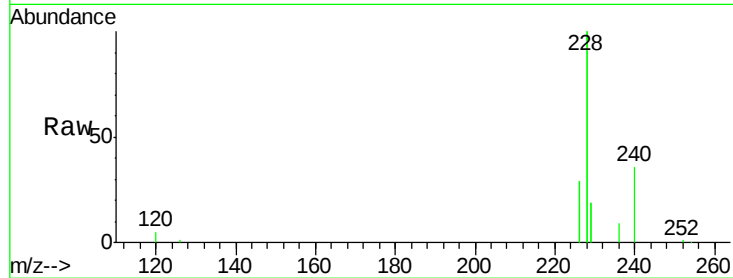
Tgt Ion:228 Resp: 242323

Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

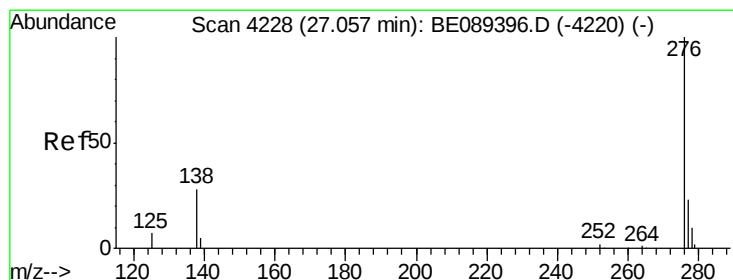
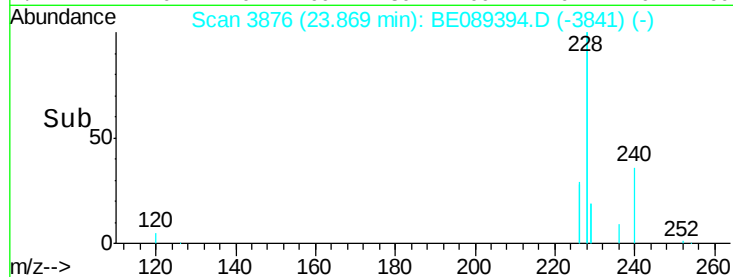
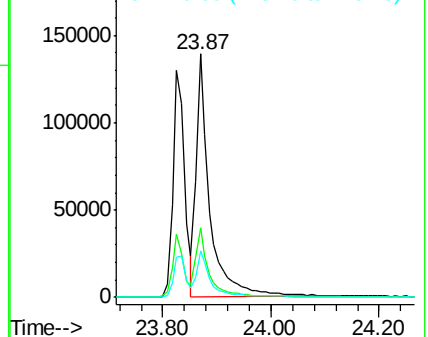
229 18.9 15.2 22.8



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: 0.21 ng

RT: 27.06 min Scan# 4229

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

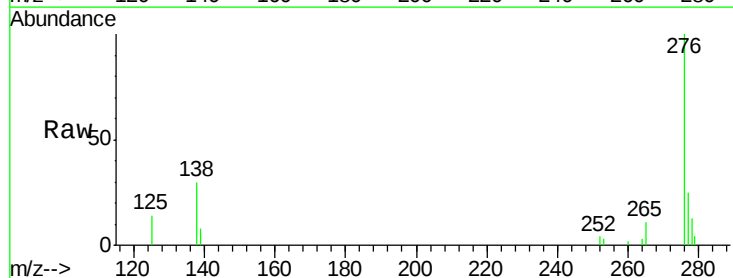
Tgt Ion:276 Resp: 36569

Ion Ratio Lower Upper

276 100

138 33.7 0.0 0.0#

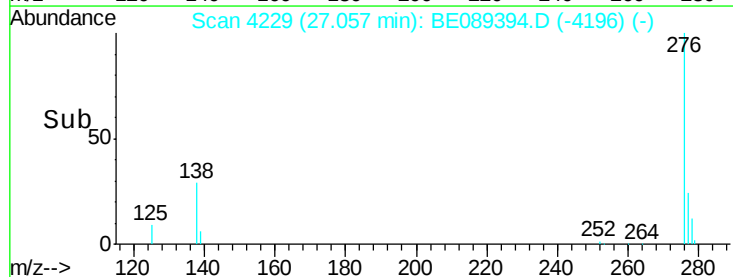
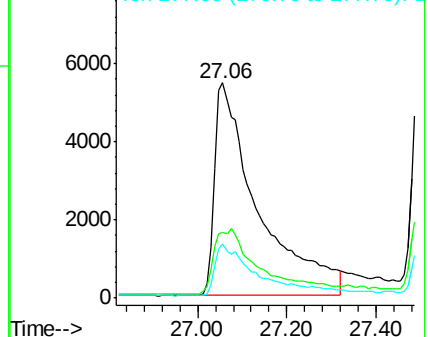
277 24.0 0.0 0.0#

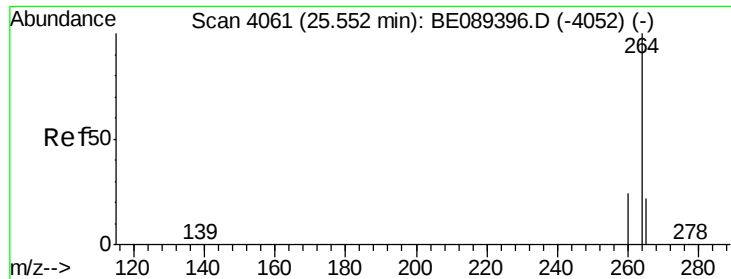


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



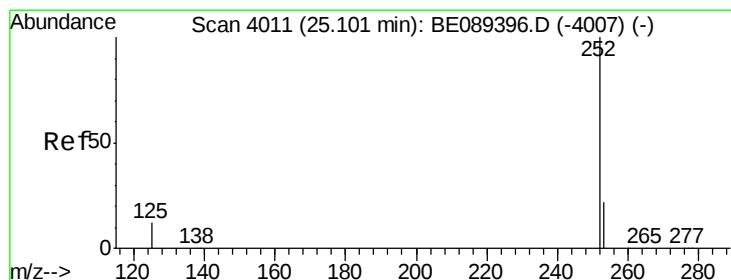
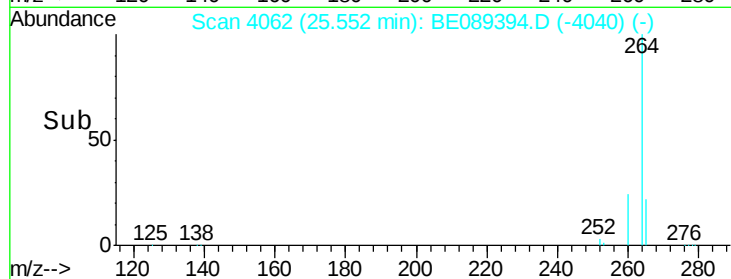
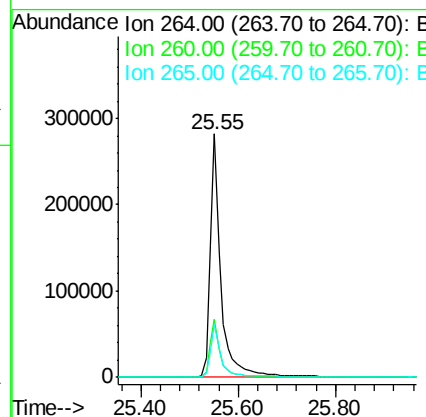
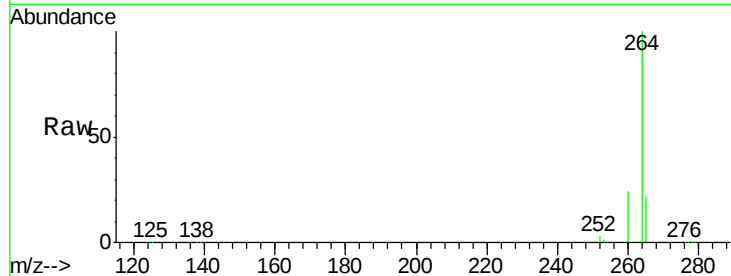


#27
Perylene-d12
Concen: 5.00 ng
RT: 25.55 min Scan# 4062
Delta R.T. -0.00 min
Lab File: BE089394.D
Acq: 28 Jan 2015 18:34

Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tgt Ion: 264 Resp: 437096

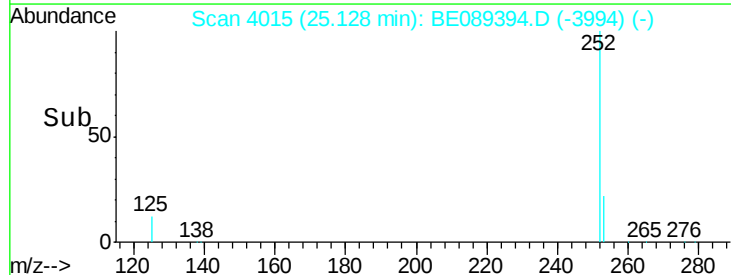
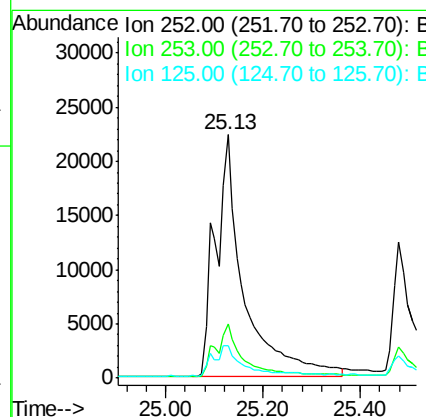
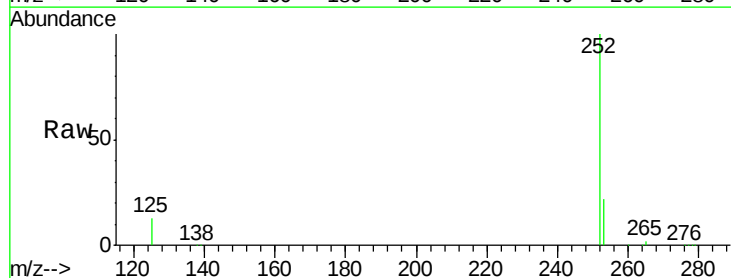
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.9	17.5	26.3

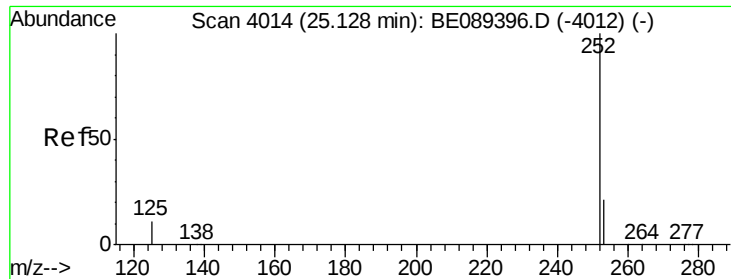


#28
Benzo(b)fluoranthene
Concen: 3.09 ng
RT: 25.13 min Scan# 4015
Delta R.T. 0.03 min
Lab File: BE089394.D
Acq: 28 Jan 2015 18:34

Tgt Ion: 252 Resp: 91539

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	13.2	9.8	14.6





#29

Benzo(k)fluoranthene

Concen: 1.38 ng

RT: 25.13 min Scan# 4015

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

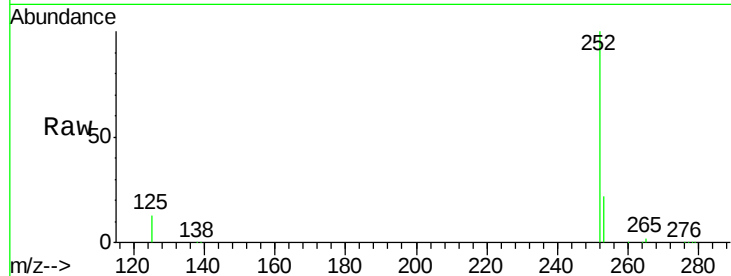
Tgt Ion:252 Resp: 92652

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

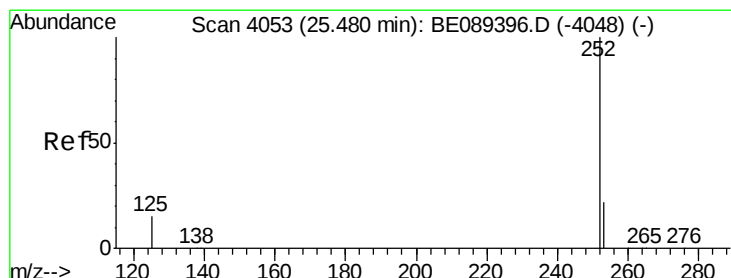
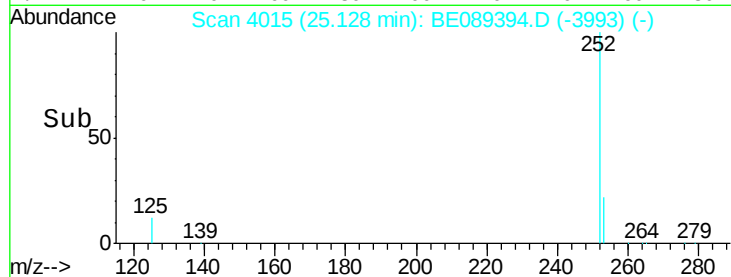
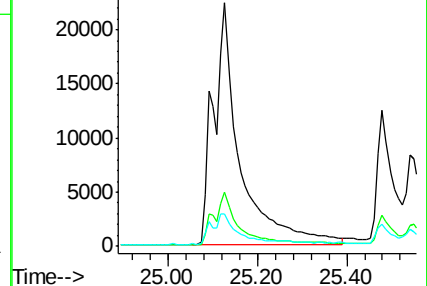
125 13.2 10.2 15.4



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: 0.67 ng

RT: 25.48 min Scan# 4054

Delta R.T. -0.00 min

Lab File: BE089394.D

Acq: 28 Jan 2015 18:34

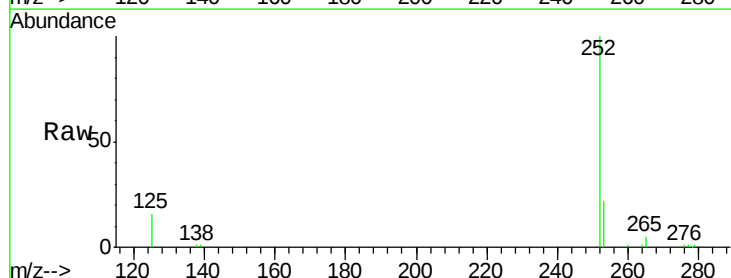
Tgt Ion:252 Resp: 26303

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

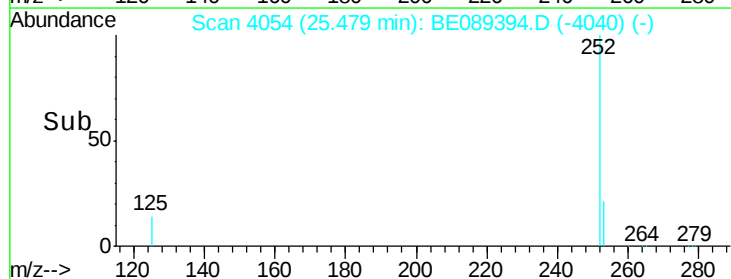
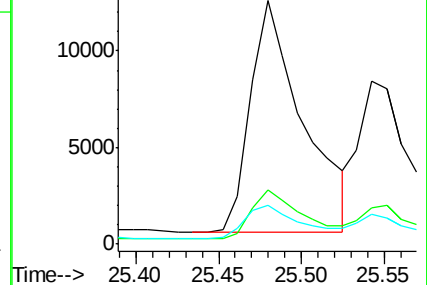
125 15.9 12.2 18.4

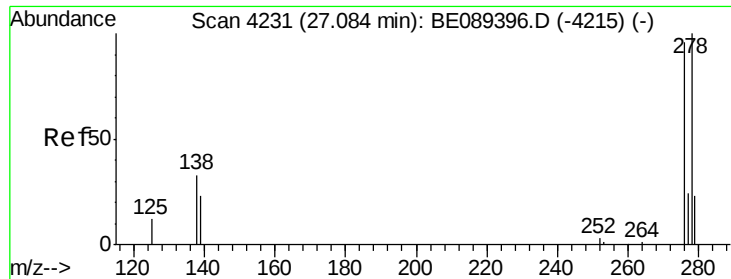


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 0.82 ng

RT: 27.08 min Scan# 4232

Delta R.T. -0.00 min

Lab File: BE089394.D

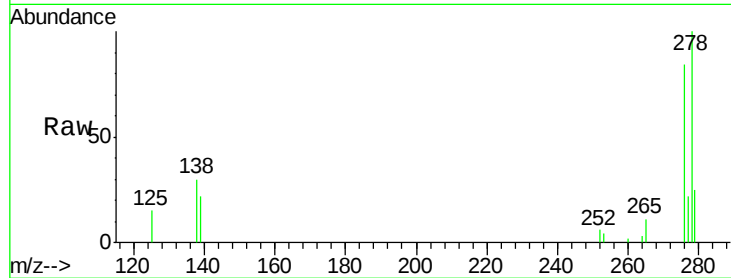
Acq: 28 Jan 2015 18:34

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5



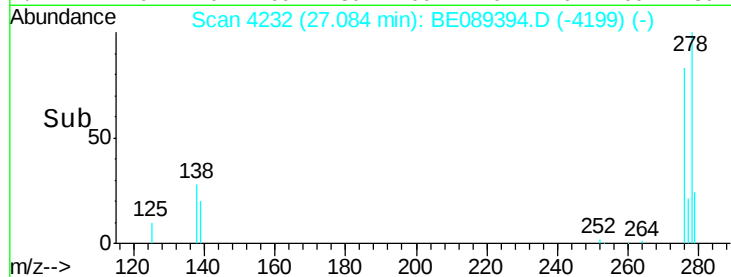
Tgt Ion: 278 Resp: 26099

Ion Ratio Lower Upper

278 100

139 22.1 18.5 27.7

279 25.2 18.6 28.0



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

