

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022615\
 Data File : BE089706.D
 Acq On : 27 Feb 2015 1:22
 Operator : TP/JJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Quant Time: Feb 27 04:58:02 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE022615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 04:47:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	54773	5.00	ng	0.00
7) Naphthalene-d8	12.23	136	229646	5.00	ng	0.00
13) Acenaphthene-d10	16.41	164	105922	5.00	ng	0.00
17) Phenanthrene-d10	19.76	188	194465	5.00	ng	0.00
20) Chrysene-d12	23.65	240	176532	5.00	ng	0.00
27) Perylene-d12	25.33	264	138313	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.49	112	72319	4.32	ng	0.00
4) Phenol-d6	8.61	99	95640	4.61	ng	0.00
8) Nitrobenzene-d5	10.60	82	68192	4.36	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	7867	3.57	ng	0.00
15) 2-Fluorobiphenyl	14.87	172	116349	3.73	ng	0.00
22) Terphenyl-d14	22.30	244	110913	5.70	ng	0.00

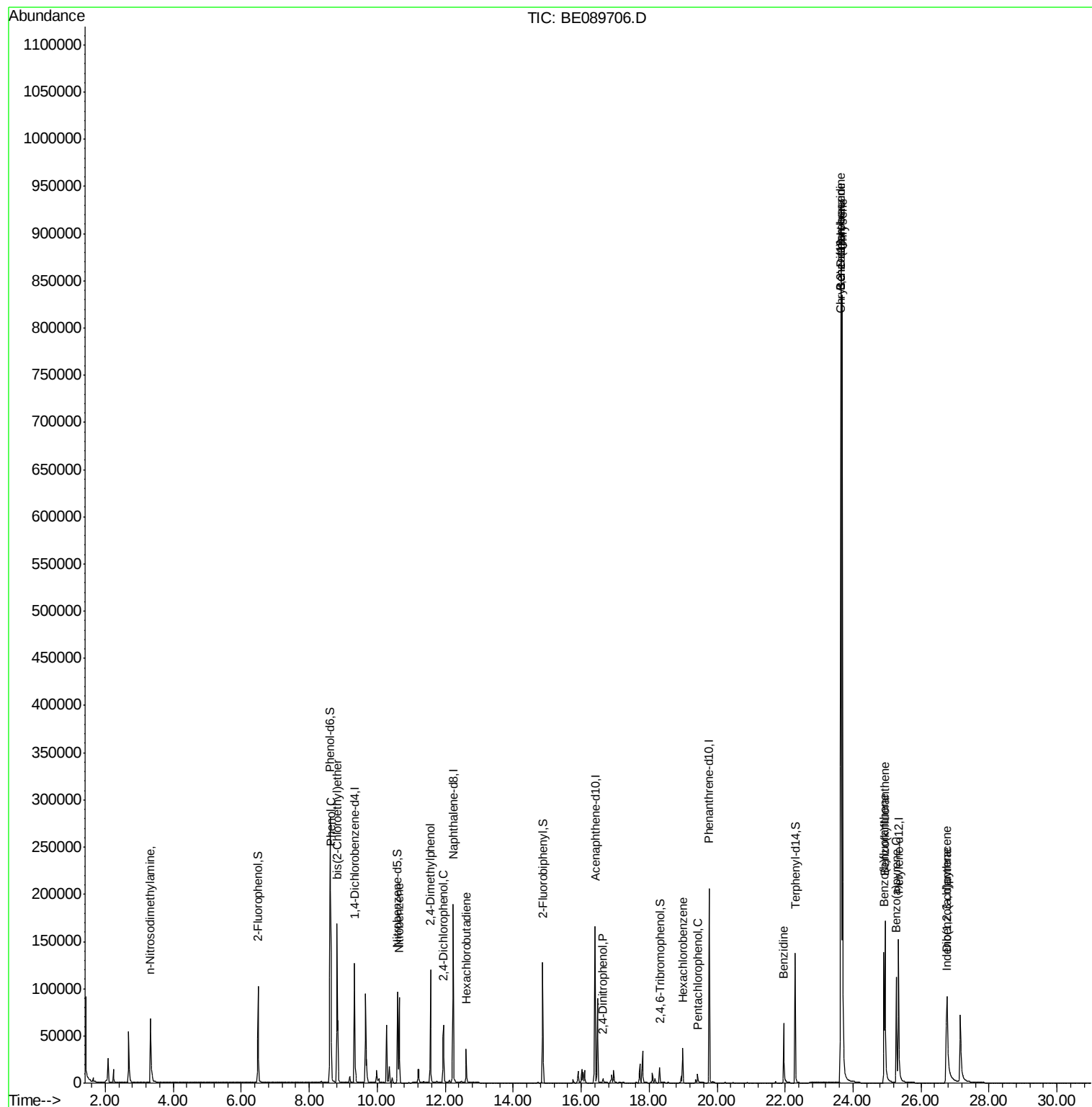
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.32	42	45636	5.14	ng	# 81
5) Phenol	8.63	94	103833	4.70	ng	# 25
6) bis(2-Chloroethyl)ether	8.82	93	78413	4.75	ng	# 100
9) Nitrobenzene	10.64	77	81318	4.59	ng	98
10) 2,4-Dimethylphenol	11.57	122	60002	4.43	ng	98
11) 2,4-Dichlorophenol	11.95	162	45929	4.44	ng	98
12) Hexachlorobutadiene	12.62	225	22337	3.08	ng	100
16) 2,4-Dinitrophenol	16.65	184	2762	2.82	ng	# 75
18) Hexachlorobenzene	18.99	284	25872	3.04	ng	# 83
19) Pentachlorophenol	19.43	266	7140	3.22	ng	92
21) Benzidine	21.95	184	68739	5.02	ng	97
23) Benzo(a)anthracene	23.64	228	714972	4.52	ng	93
24) 3,3'-Dichlorobenzidine	23.63	252	49723	2.88	ng	# 96
25) Chrysene	23.68	228	761057	3.92	ng	97
26) Indeno(1,2,3-cd)pyrene	26.74	276	135805	2.60	ng	# 76
28) Benzo(b)fluoranthene	24.91	252	120314	5.01	ng	98
29) Benzo(k)fluoranthene	24.94	252	187618	4.86	ng	99
30) Benzo(a)pyrene	25.27	252	118763	3.79	ng	99
31) Dibenzo(a,h)anthracene	26.77	278	105719	3.17	ng	99

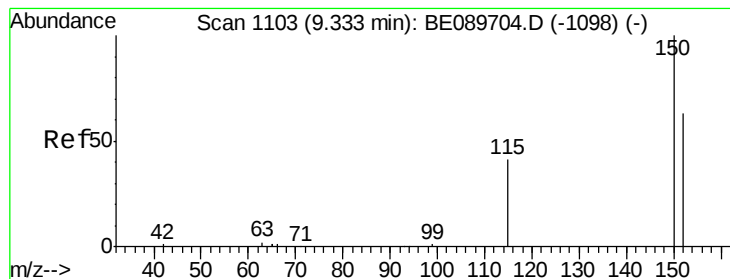
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

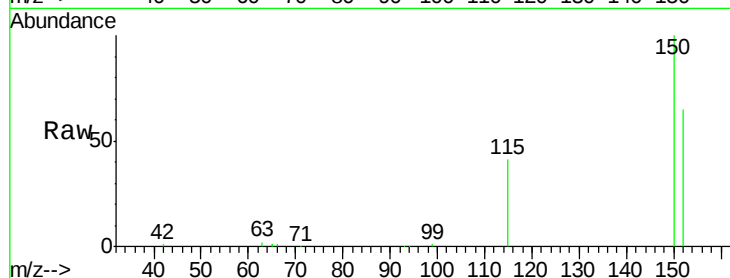
Tgt Ion:152 Resp: 54773

Ion Ratio Lower Upper

152 100

150 154.9 127.3 190.9

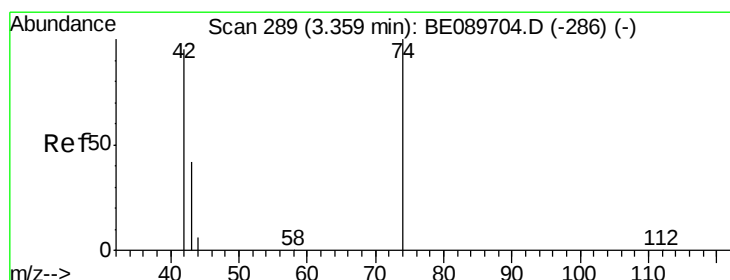
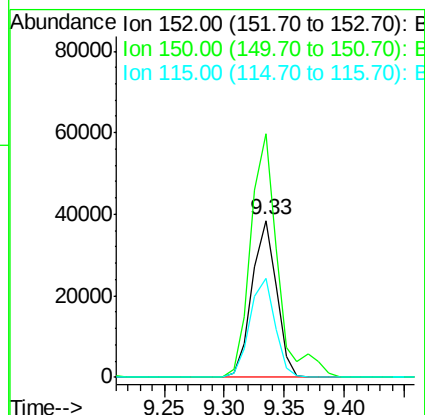
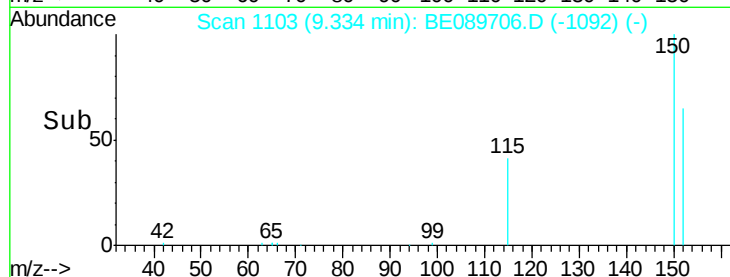
115 63.1 52.0 78.0



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: 5.14 ng

RT: 3.32 min Scan# 284

Delta R.T. -0.03 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

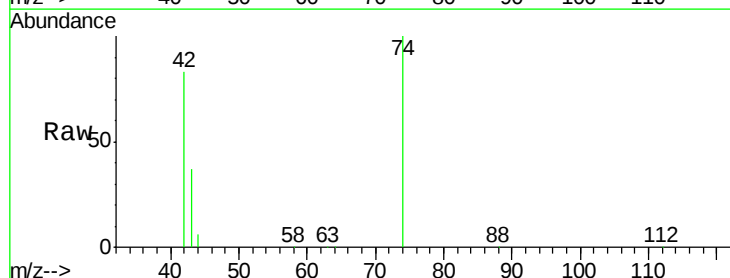
Tgt Ion: 42 Resp: 45636

Ion Ratio Lower Upper

42 100

74 120.8 83.8 125.8

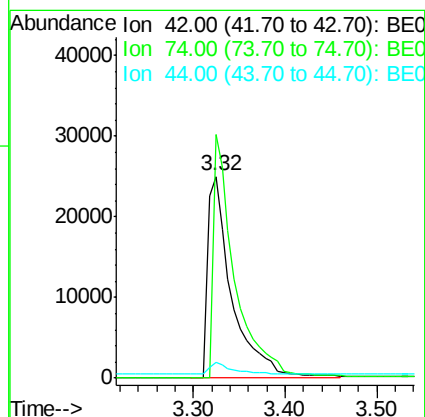
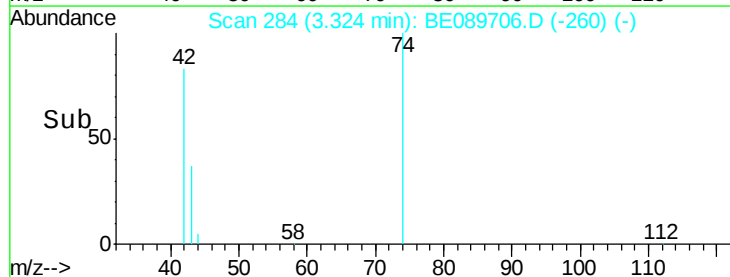
44 7.7 19.0 28.6#

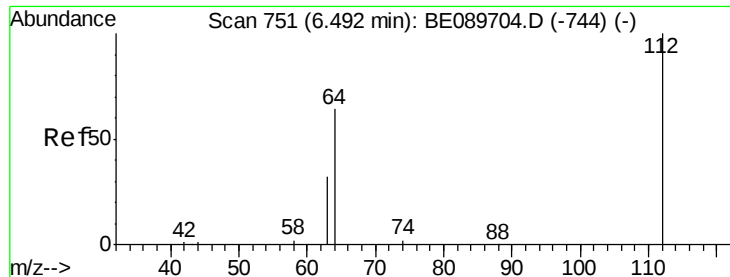


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 4.32 ng

RT: 6.49 min Scan# 751

Delta R.T. -0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

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ClientSampleId :

SSTDIC005

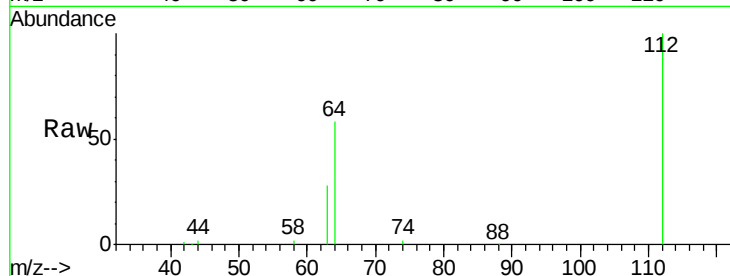
Tgt Ion: 112 Resp: 72319

Ion Ratio Lower Upper

112 100

64 58.2 51.3 76.9

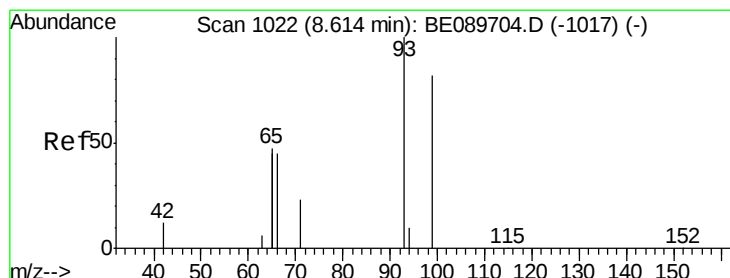
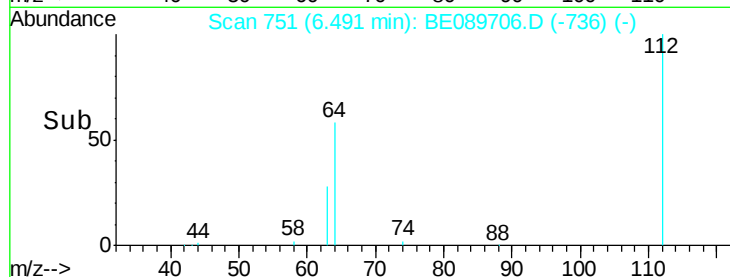
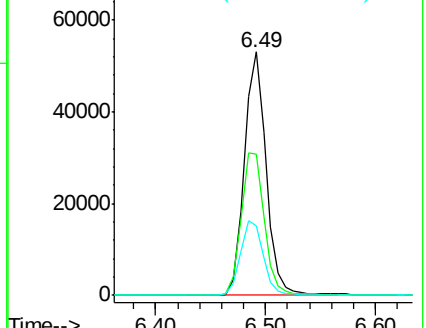
63 28.5 26.2 39.2



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: 4.61 ng

RT: 8.61 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

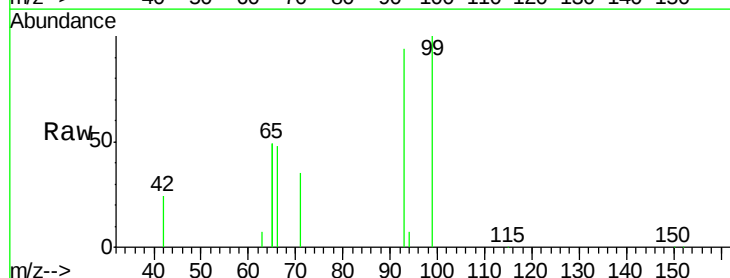
Tgt Ion: 99 Resp: 95640

Ion Ratio Lower Upper

99 100

42 24.1 12.3 18.5#

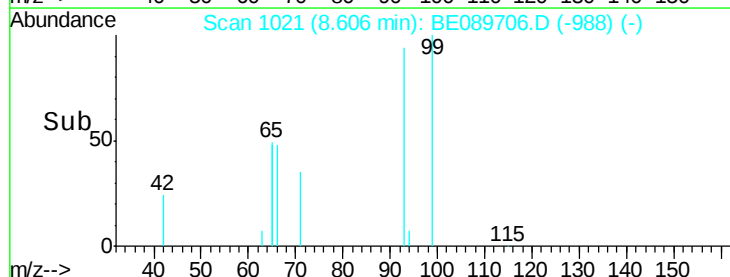
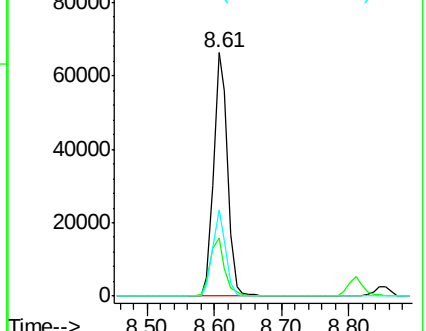
71 35.4 22.9 34.3#

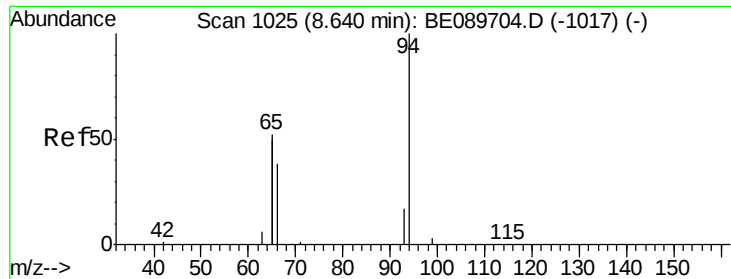


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 4.70 ng

RT: 8.63 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

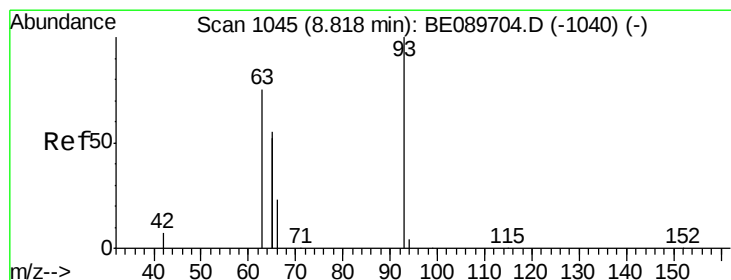
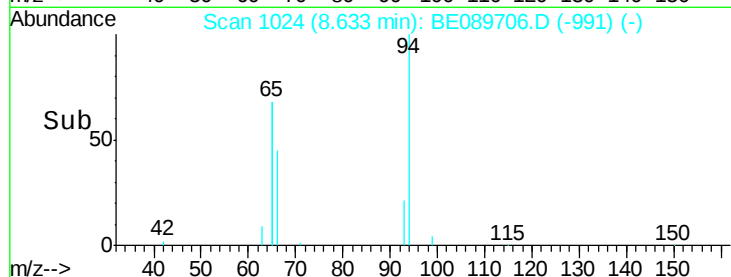
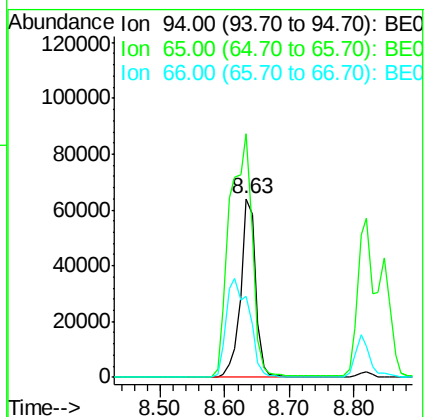
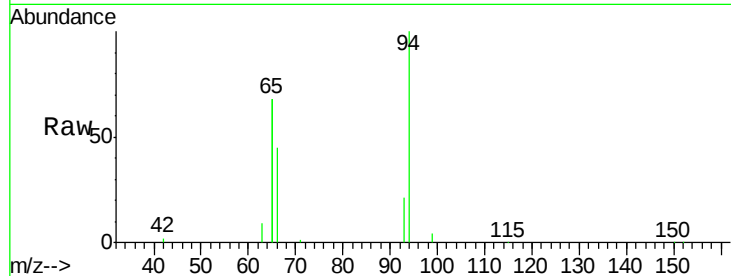
Tgt Ion: 94 Resp: 103833

Ion Ratio Lower Upper

94 100

65 136.2 31.7 71.7#

66 45.5 17.9 57.9



#6

bis(2-Chloroethyl)ether

Concen: 4.75 ng

RT: 8.82 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

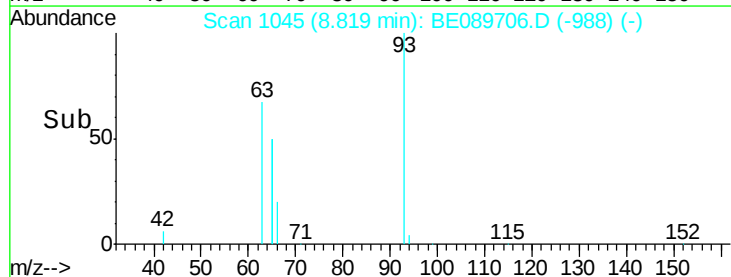
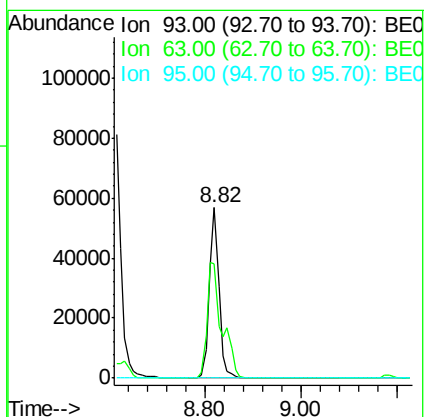
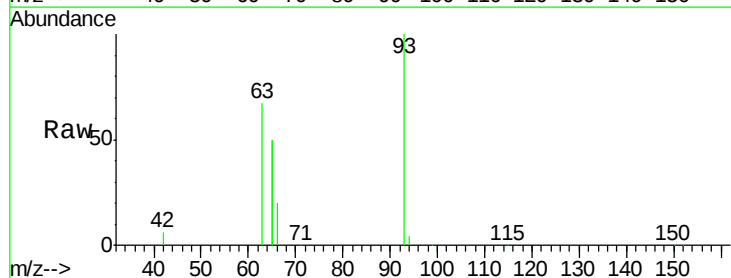
Tgt Ion: 93 Resp: 78413

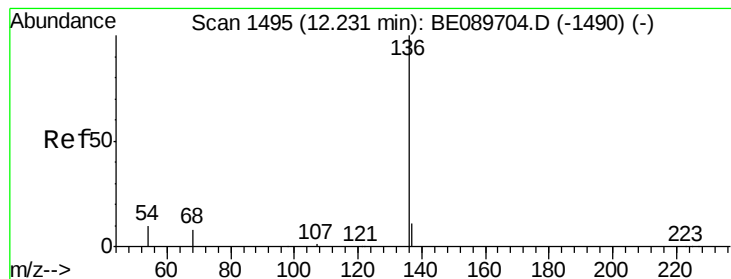
Ion Ratio Lower Upper

93 100

63 104.5 83.8 125.8

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.23 min Scan# 1495

Delta R.T. -0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

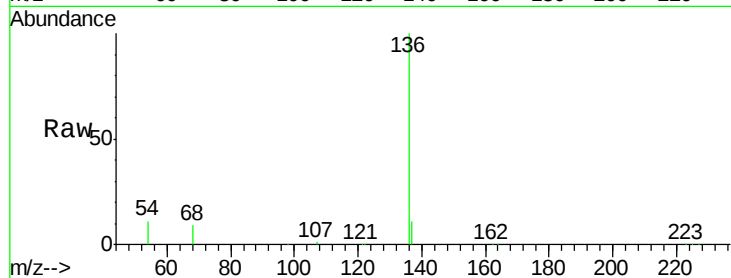
Tgt Ion: 136 Resp: 229646

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

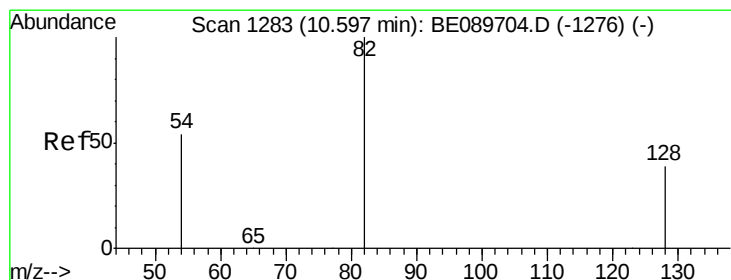
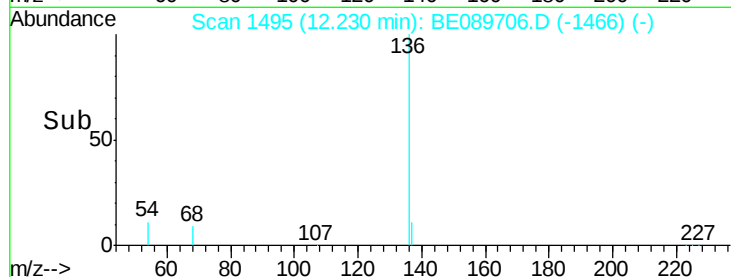
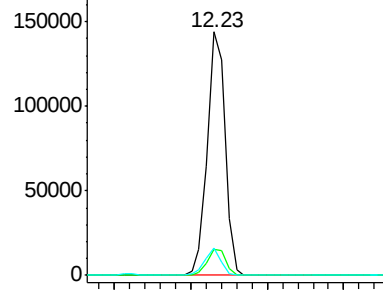
54 11.0 8.1 12.1



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: 4.36 ng

RT: 10.60 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

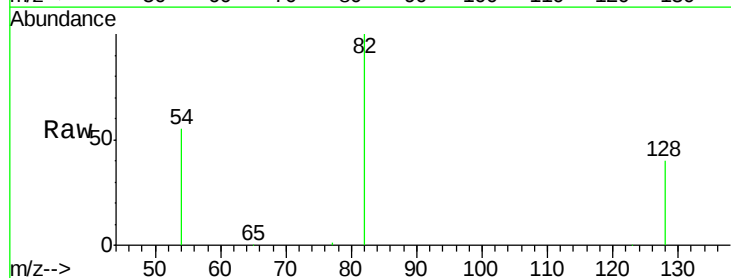
Tgt Ion: 82 Resp: 68192

Ion Ratio Lower Upper

82 100

128 39.8 31.4 47.2

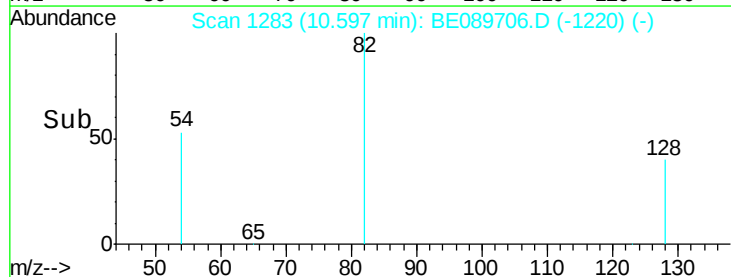
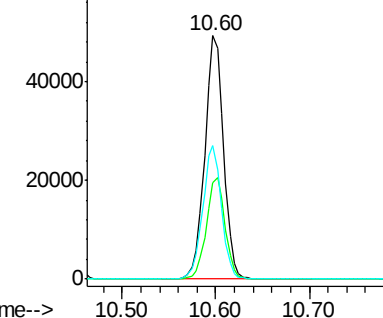
54 54.7 43.8 65.8

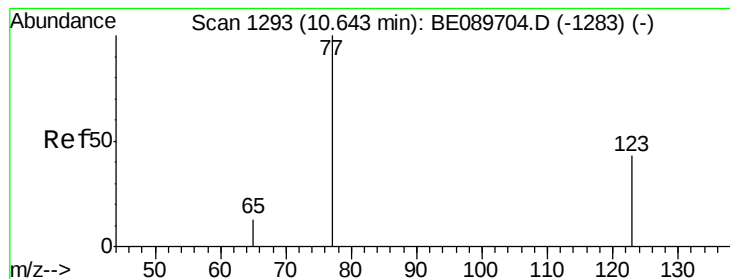


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 4.59 ng

RT: 10.64 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

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ClientSampleId :

SSTDIC005

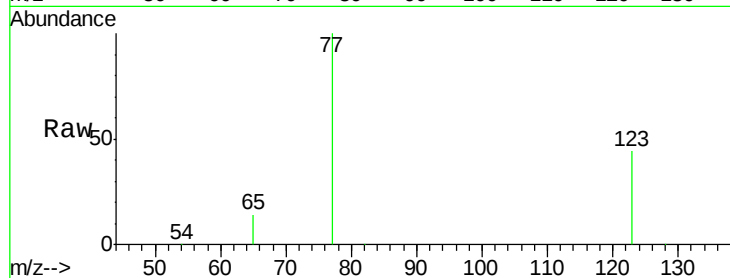
Tgt Ion: 77 Resp: 81318

Ion Ratio Lower Upper

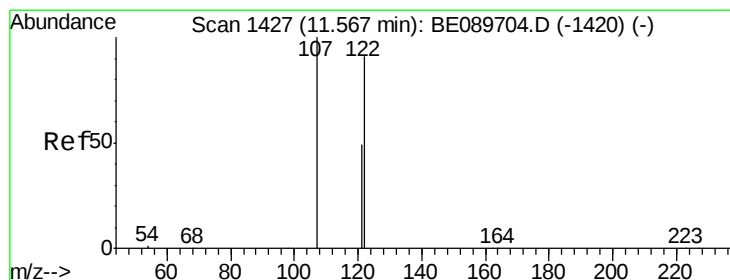
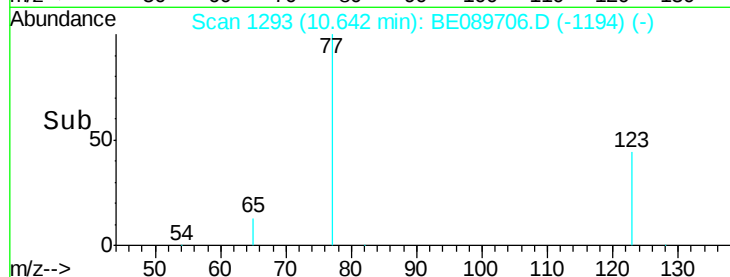
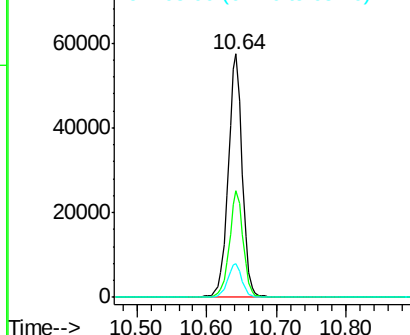
77 100

123 43.1 33.2 49.8

65 13.9 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: 4.43 ng

RT: 11.57 min Scan# 1427

Delta R.T. -0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

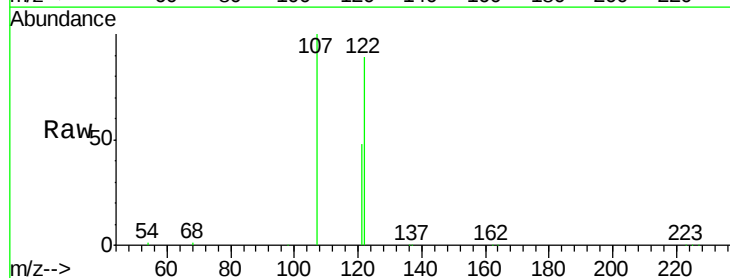
Tgt Ion: 122 Resp: 60002

Ion Ratio Lower Upper

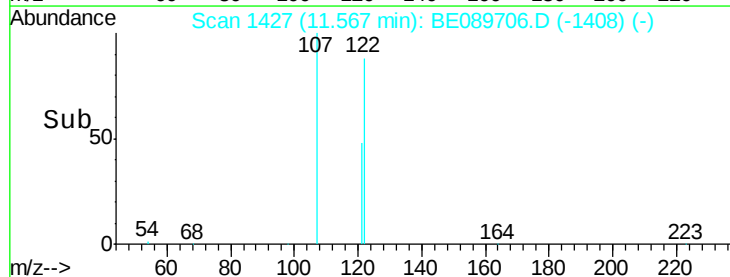
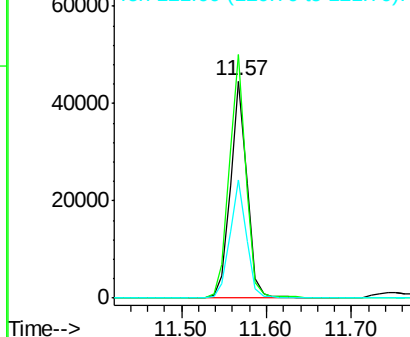
122 100

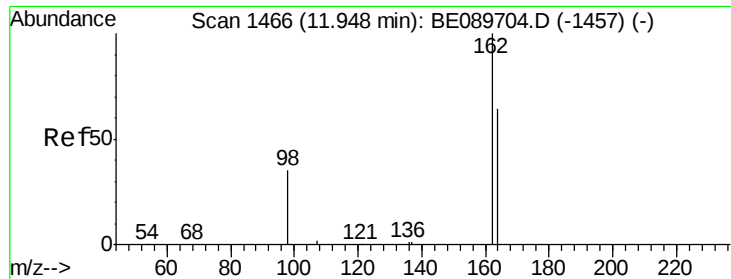
107 112.3 87.6 131.4

121 54.3 43.4 65.2



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

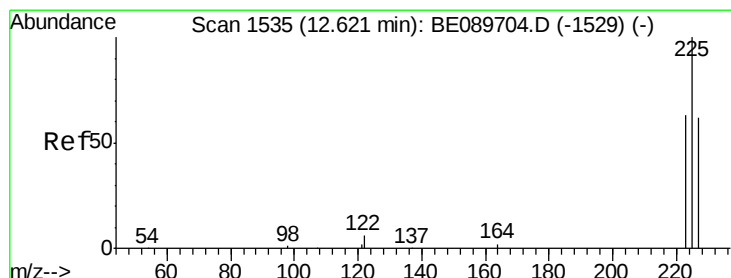
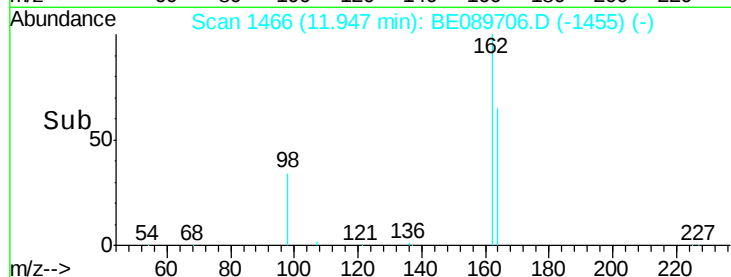
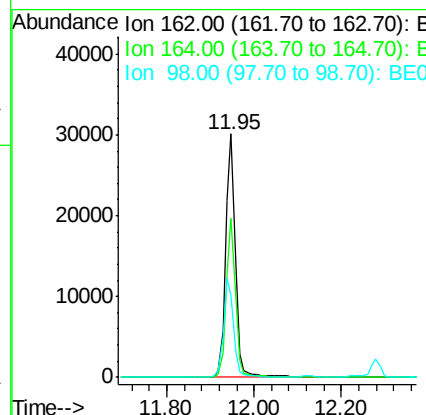
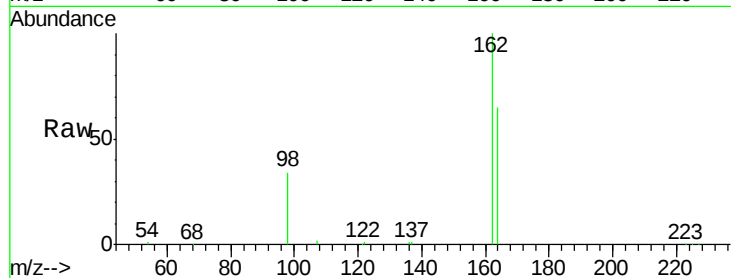




#11
 2,4-Dichlorophenol
 Concen: 4.44 ng
 RT: 11.95 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BE089706.D
 Acq: 27 Feb 2015 1:22

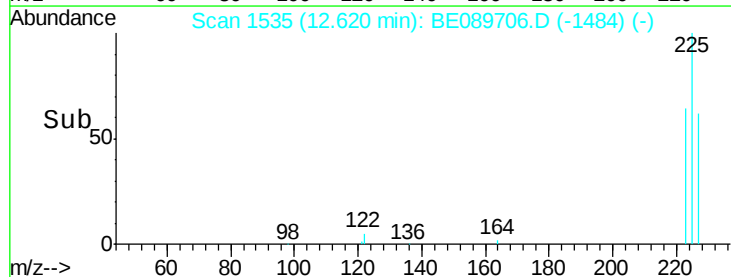
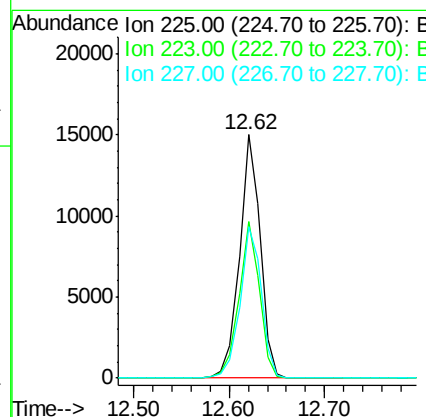
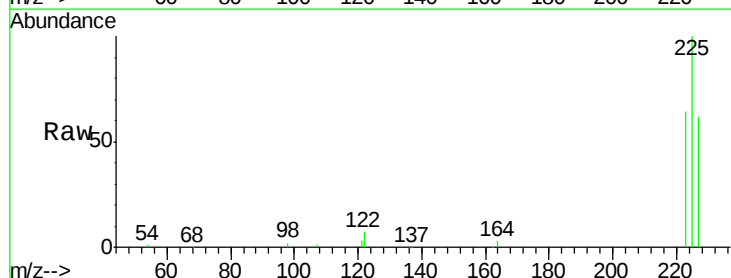
Instrument :
 BNA_E
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 SSTDICC005

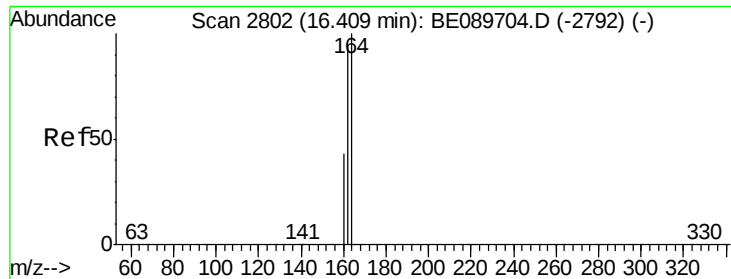
Tgt Ion:162 Resp: 45929
 Ion Ratio Lower Upper
 162 100
 164 65.1 43.9 83.9
 98 34.0 15.7 55.7



#12
 Hexachlorobutadiene
 Concen: 3.08 ng
 RT: 12.62 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: BE089706.D
 Acq: 27 Feb 2015 1:22

Tgt Ion:225 Resp: 22337
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.6 75.8
 227 63.6 50.8 76.2





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.41 min Scan# 2802

Delta R.T. 0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

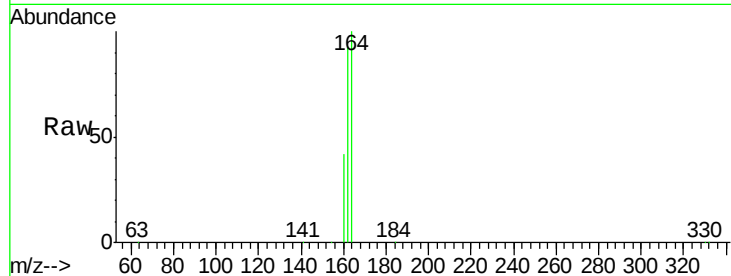
Tgt Ion:164 Resp: 105922

Ion Ratio Lower Upper

164 100

162 92.7 75.0 112.6

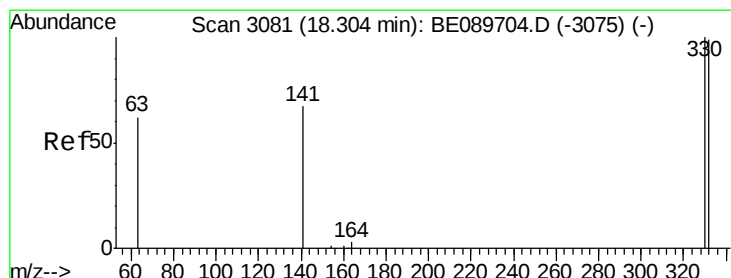
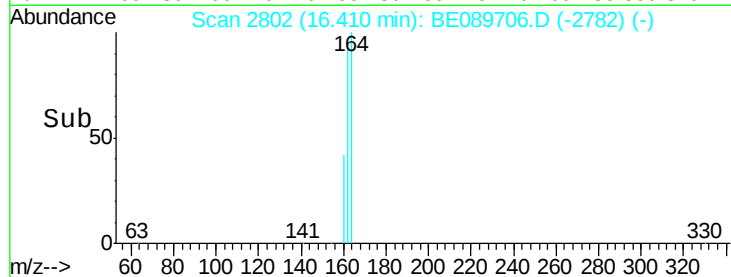
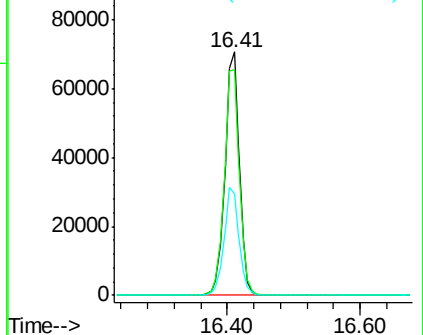
160 41.6 34.3 51.5



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: 3.57 ng

RT: 18.31 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

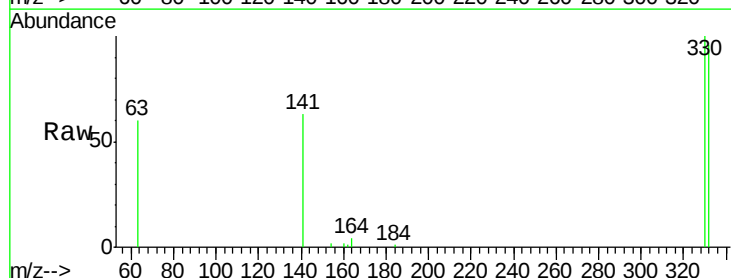
Tgt Ion:330 Resp: 7867

Ion Ratio Lower Upper

330 100

332 98.3 0.0 0.0#

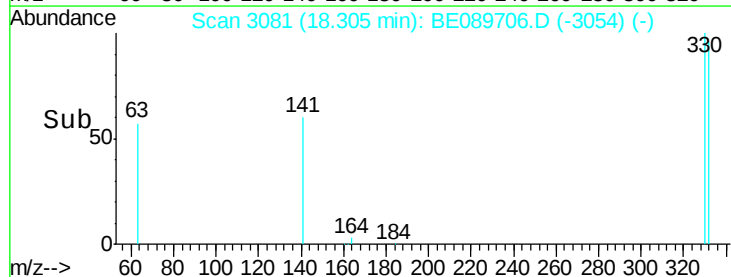
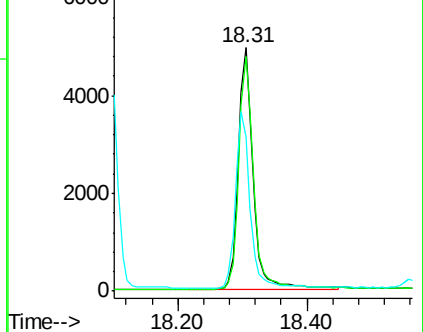
141 73.7 0.0 0.0#

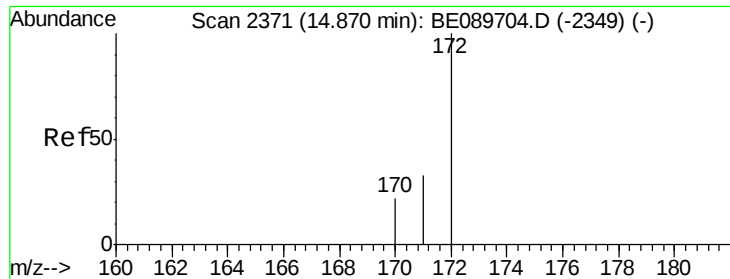


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

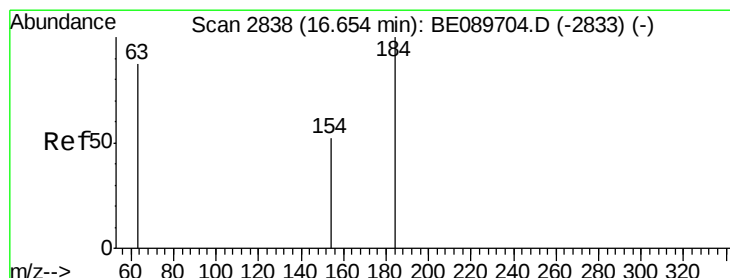
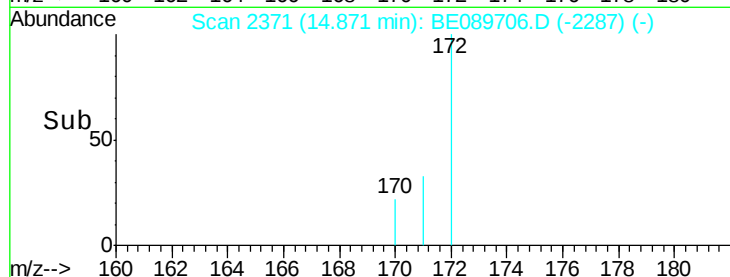
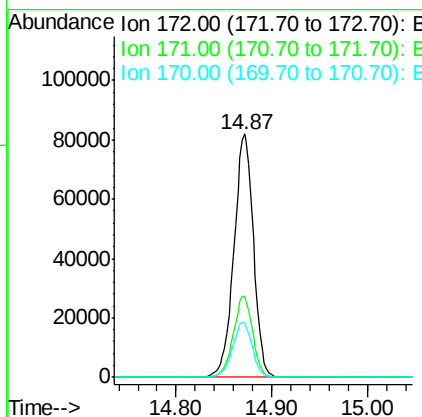
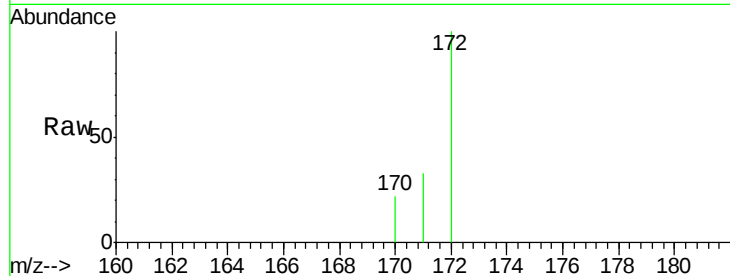




#15
2-Fluorobiphenyl
Concen: 3.73 ng
RT: 14.87 min Scan# 2371
Delta R.T. 0.00 min
Lab File: BE089706.D
Acq: 27 Feb 2015 1:22

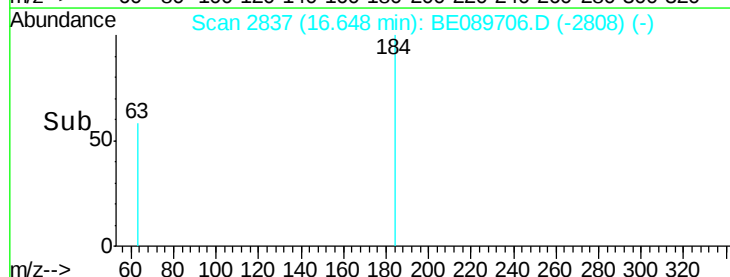
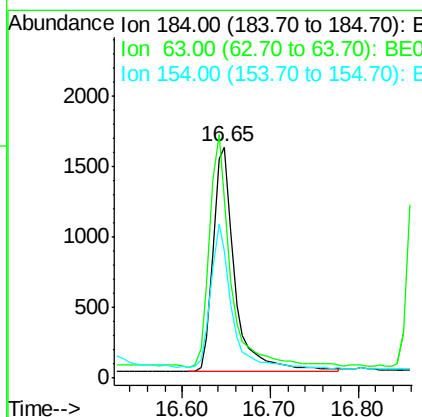
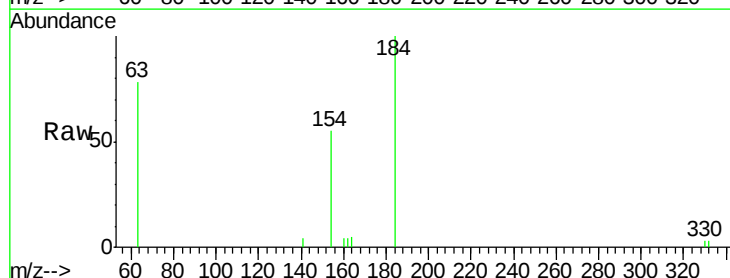
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

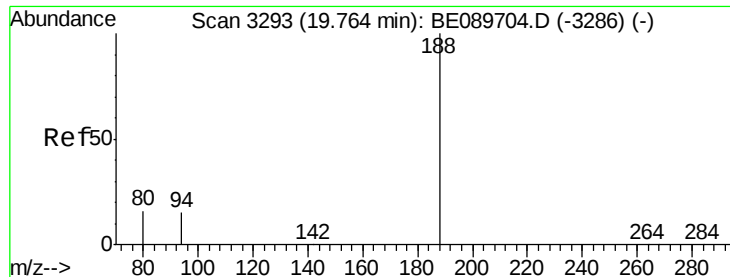
Tgt Ion:172 Resp: 116349
Ion Ratio Lower Upper
172 100
171 33.3 26.8 40.2
170 22.3 18.0 27.0



#16
2,4-Dinitrophenol
Concen: 2.82 ng
RT: 16.65 min Scan# 2837
Delta R.T. -0.01 min
Lab File: BE089706.D
Acq: 27 Feb 2015 1:22

Tgt Ion:184 Resp: 2762
Ion Ratio Lower Upper
184 100
63 77.9 82.4 123.6#
154 54.9 61.4 92.2#

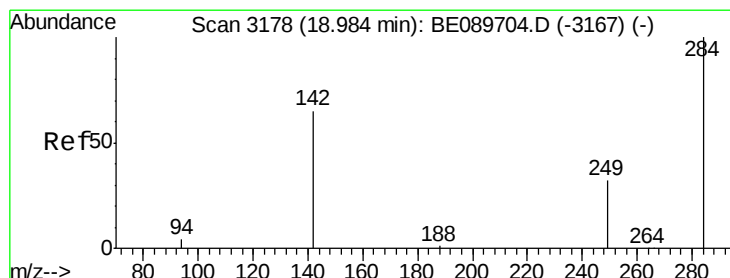
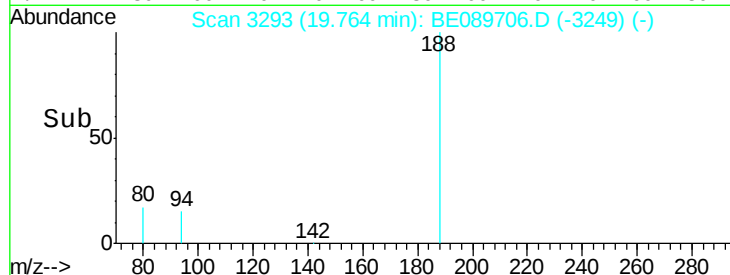
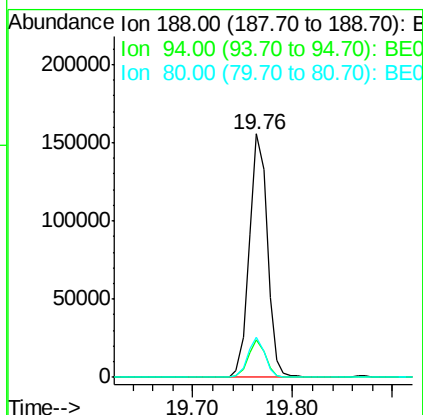
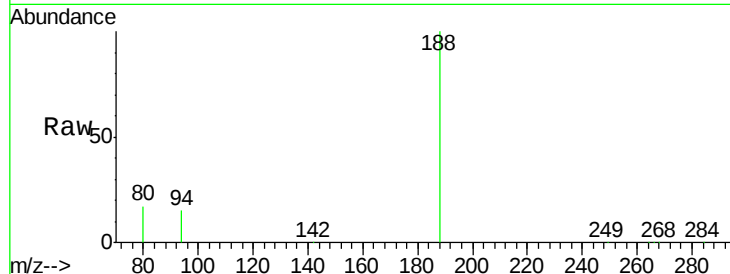




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3293
Delta R.T. -0.00 min
Lab File: BE089706.D
Acq: 27 Feb 2015 1:22

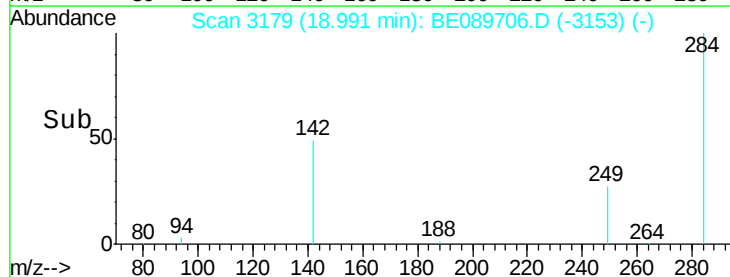
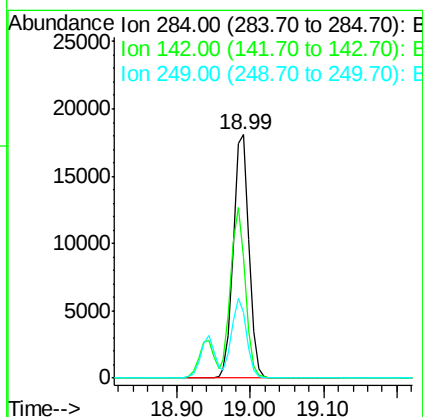
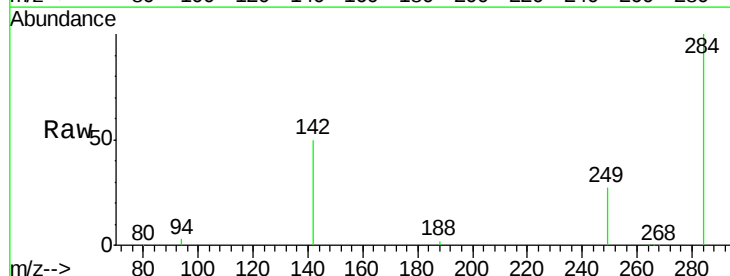
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

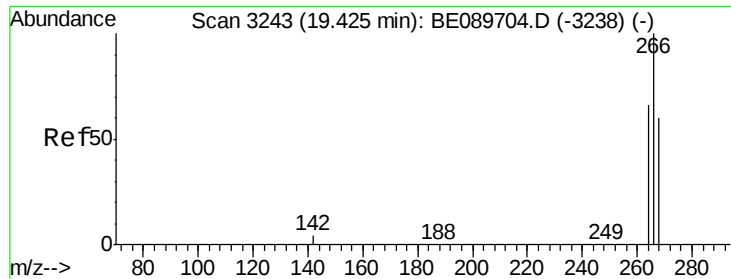
Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.4	12.1	18.1
80	16.7	12.7	19.1



#18
Hexachlorobenzene
Concen: 3.04 ng
RT: 18.99 min Scan# 3179
Delta R.T. 0.01 min
Lab File: BE089706.D
Acq: 27 Feb 2015 1:22

Tgt Ion	Ratio	Lower	Upper
284	100		
142	49.5	52.2	78.4#
249	27.0	26.4	39.6

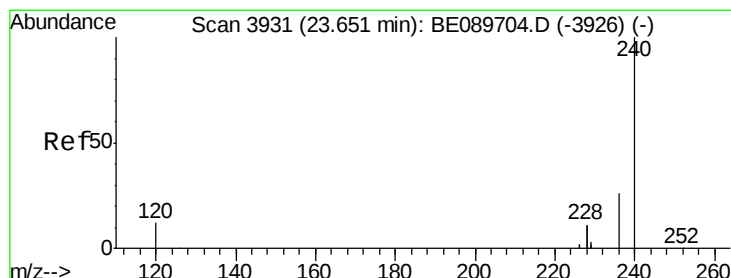
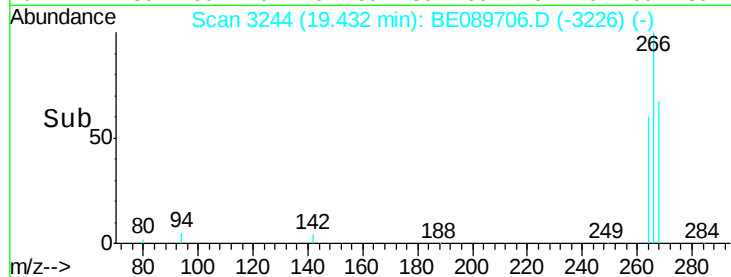
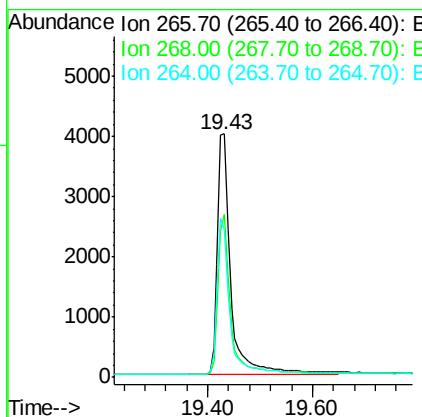
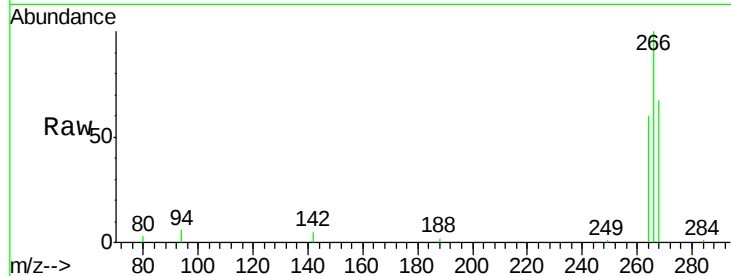




#19
 Pentachlorophenol
 Concen: 3.22 ng
 RT: 19.43 min Scan# 3244
 Delta R.T. 0.01 min
 Lab File: BE089706.D
 Acq: 27 Feb 2015 1:22

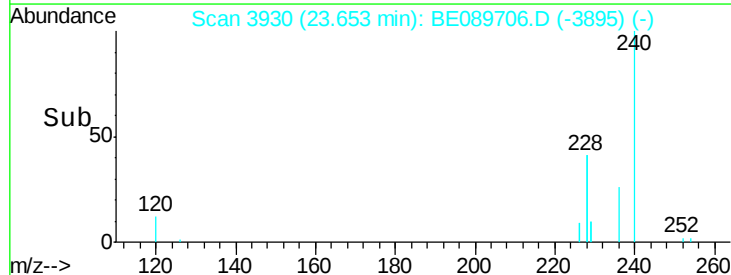
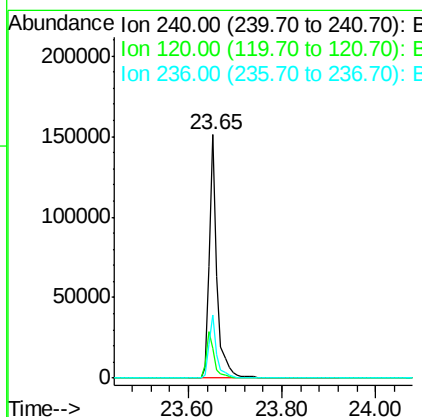
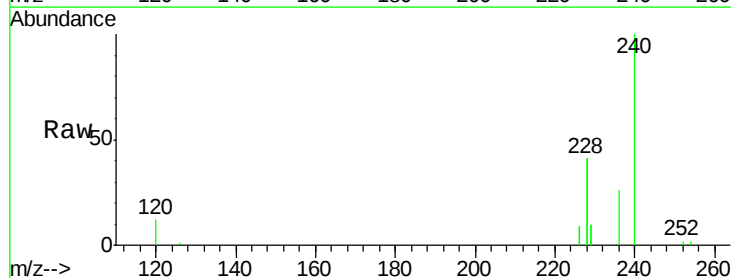
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

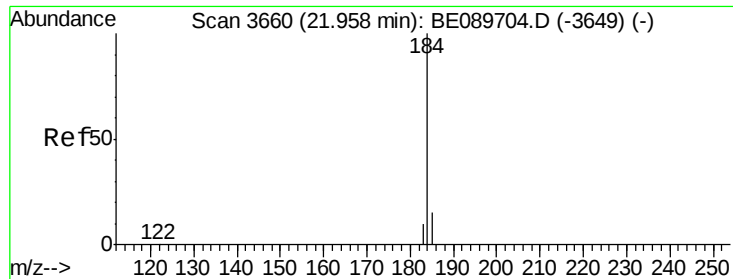
Tgt Ion: 266 Resp: 7140
 Ion Ratio Lower Upper
 266 100
 268 67.0 51.4 77.2
 264 60.5 55.8 83.8



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.65 min Scan# 3930
 Delta R.T. 0.00 min
 Lab File: BE089706.D
 Acq: 27 Feb 2015 1:22

Tgt Ion: 240 Resp: 176532
 Ion Ratio Lower Upper
 240 100
 120 12.0 9.9 14.9
 236 26.2 21.0 31.6





#21

Benzidine

Concen: 5.02 ng

RT: 21.95 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

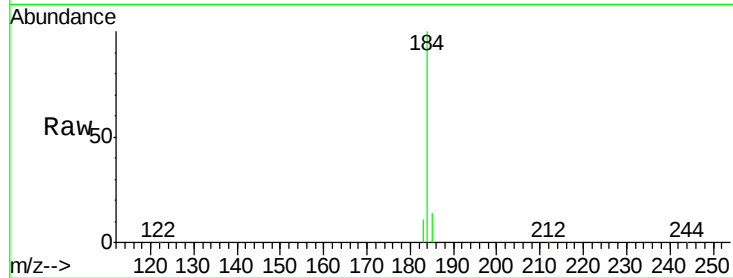
Tgt Ion:184 Resp: 68739

Ion Ratio Lower Upper

184 100

185 14.1 12.8 19.2

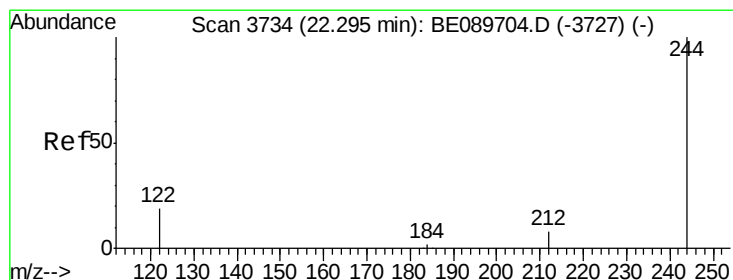
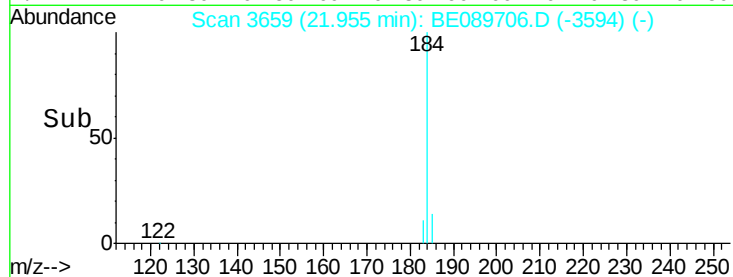
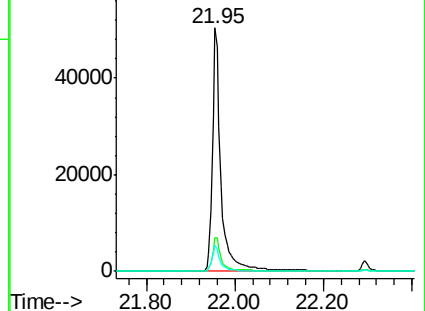
183 10.9 8.8 13.2



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: 5.70 ng

RT: 22.30 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

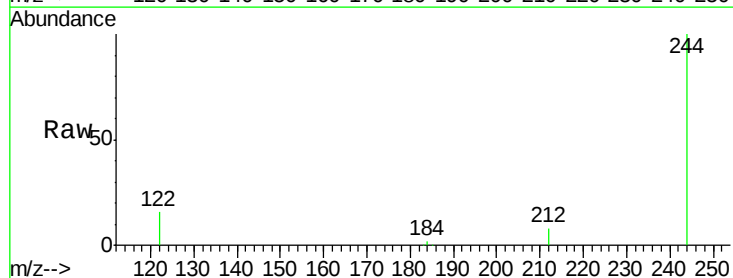
Tgt Ion:244 Resp: 110913

Ion Ratio Lower Upper

244 100

212 8.0 6.7 10.1

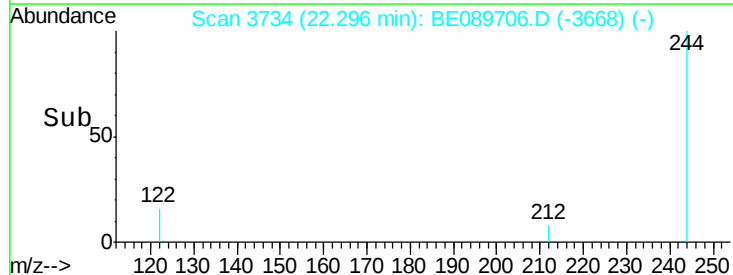
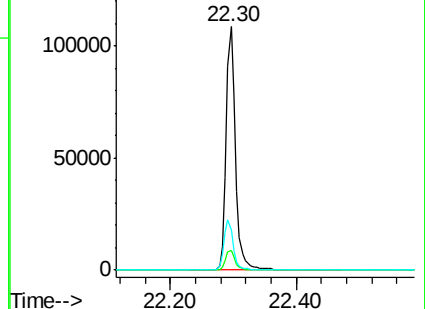
122 16.4 15.7 23.5

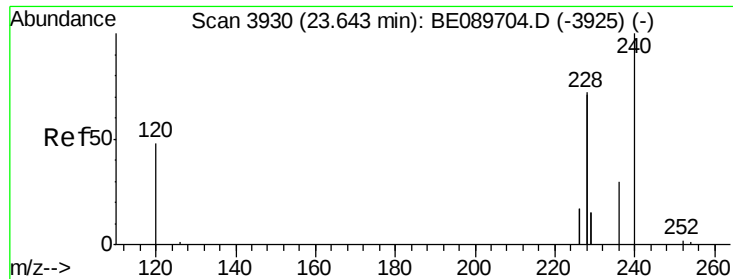


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 4.52 ng

RT: 23.64 min Scan# 3928

Delta R.T. -0.01 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

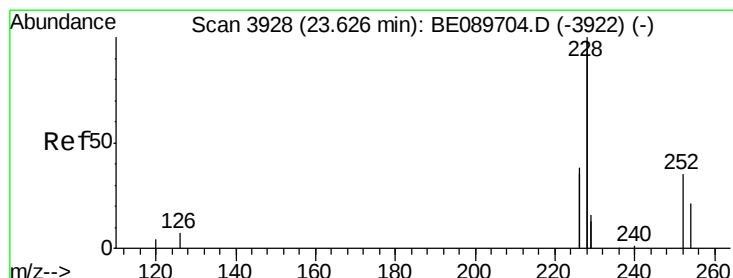
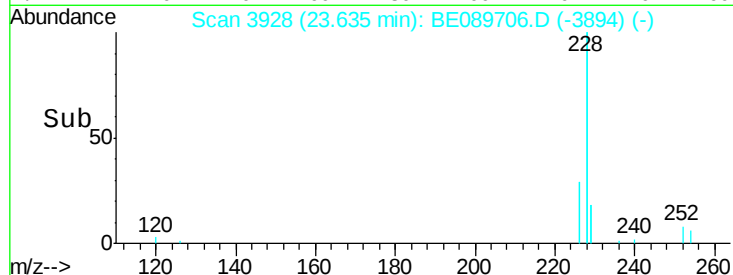
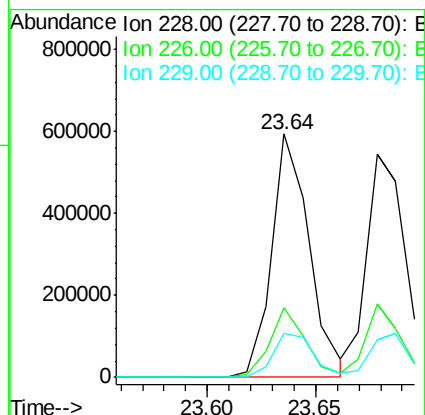
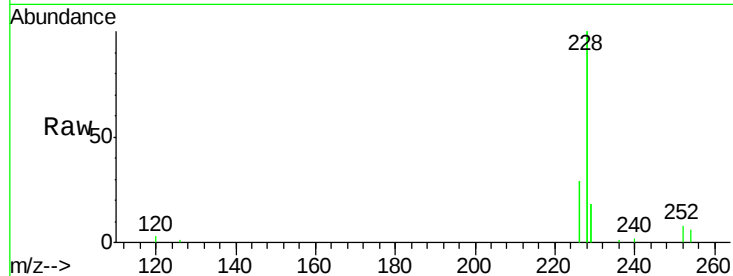
Tgt Ion:228 Resp: 714972

Ion Ratio Lower Upper

228 100

226 28.6 19.3 28.9

229 18.2 16.6 25.0



#24

3,3'-Dichlorobenzidine

Concen: 2.88 ng

RT: 23.63 min Scan# 3927

Delta R.T. 0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

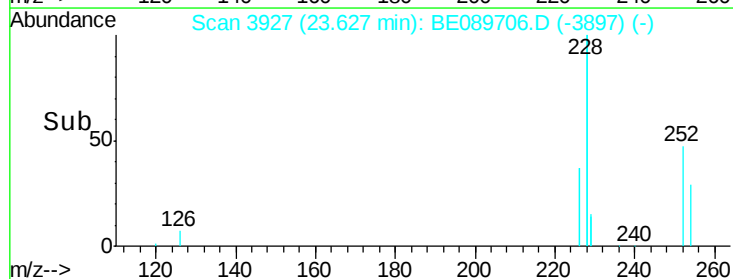
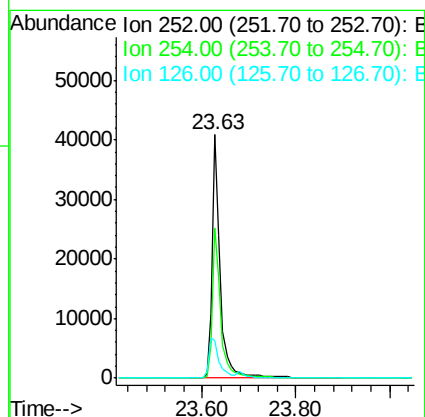
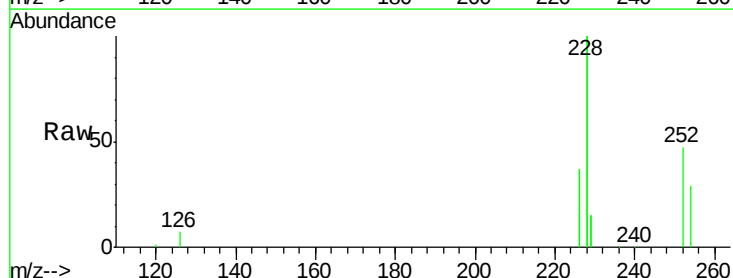
Tgt Ion:252 Resp: 49723

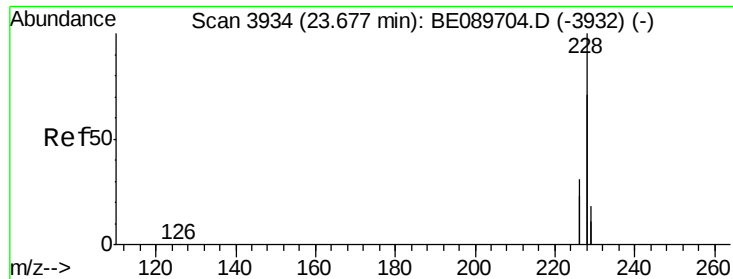
Ion Ratio Lower Upper

252 100

254 61.9 49.4 74.2

126 15.6 17.4 26.2#





#25

Chrysene

Concen: 3.92 ng

RT: 23.68 min Scan# 3933

Delta R.T. 0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

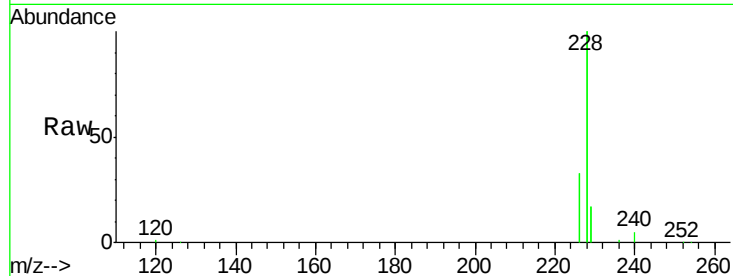
Tgt Ion: 228 Resp: 761057

Ion Ratio Lower Upper

228 100

226 32.9 24.7 37.1

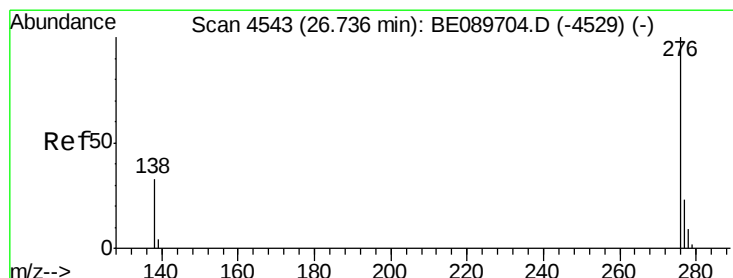
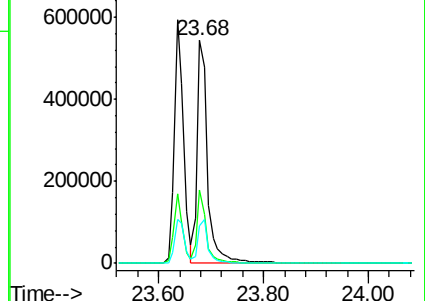
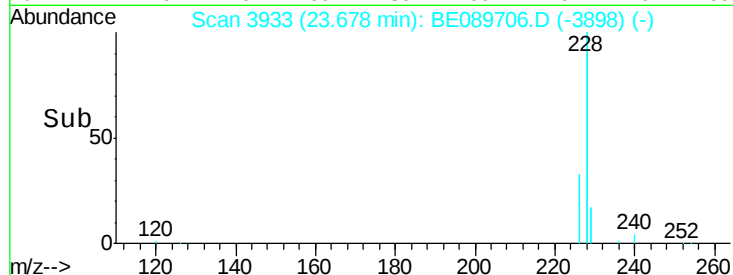
229 17.1 14.4 21.6



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: 2.60 ng

RT: 26.74 min Scan# 4544

Delta R.T. 0.01 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

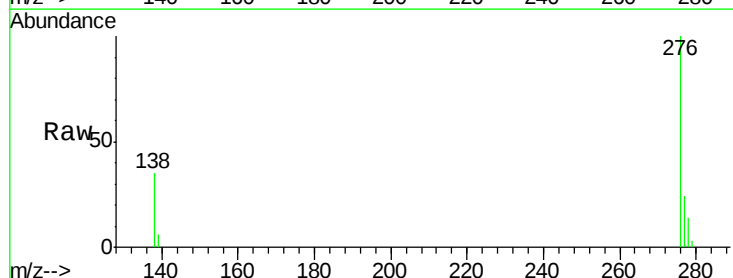
Tgt Ion: 276 Resp: 135805

Ion Ratio Lower Upper

276 100

138 13.2 29.8 44.6#

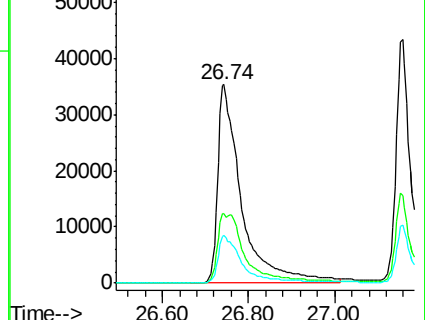
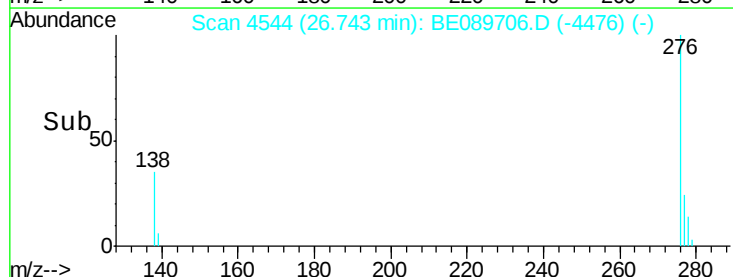
277 24.9 19.8 29.6

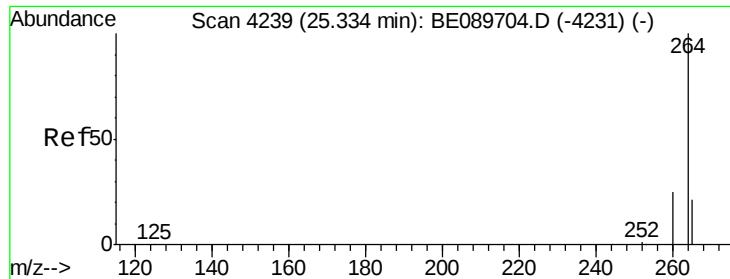


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

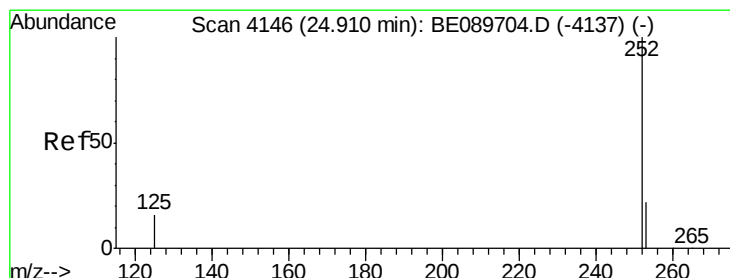
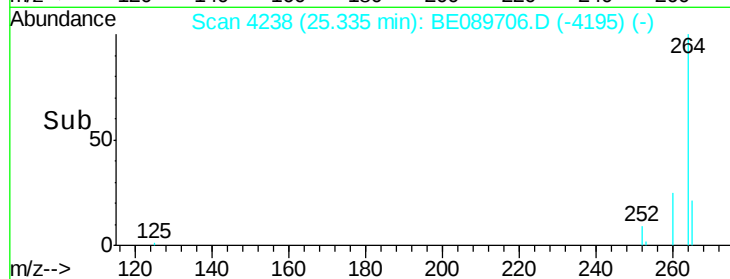
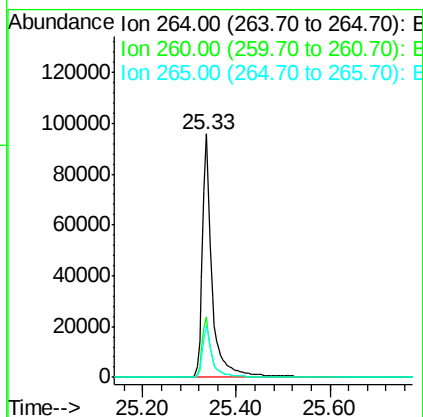
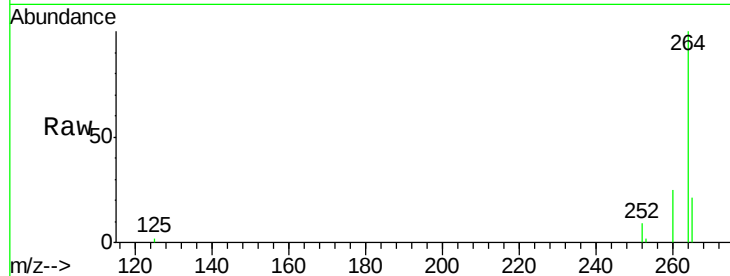




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.33 min Scan# 4238
 Delta R.T. 0.00 min
 Lab File: BE089706.D
 Acq: 27 Feb 2015 1:22

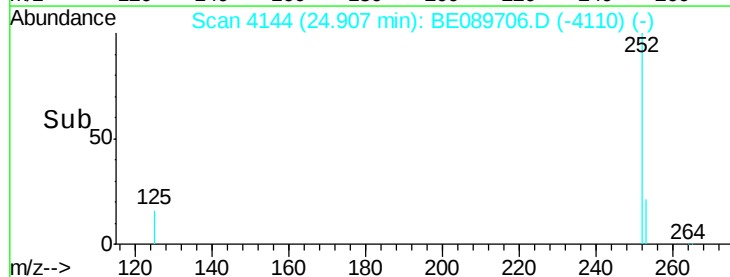
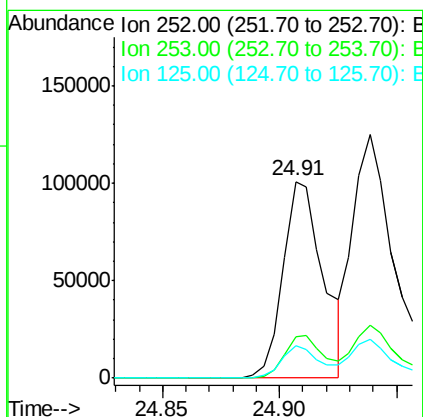
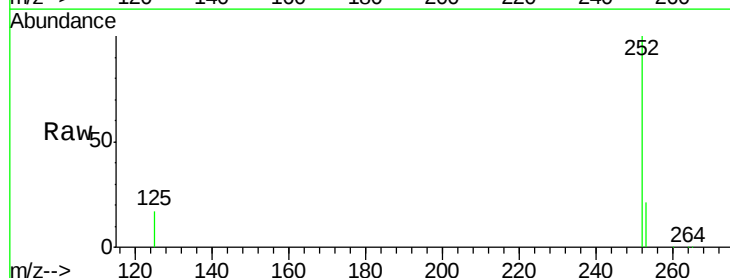
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

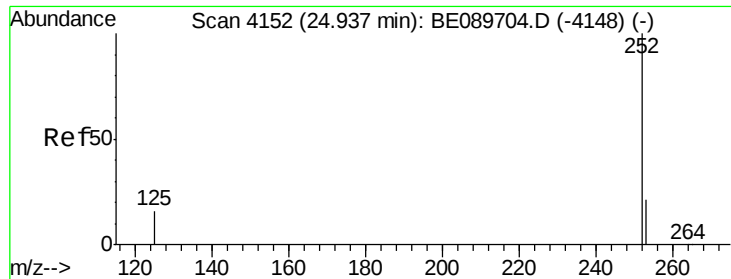
Tgt Ion: 264 Resp: 138313
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.2 30.2
 265 21.4 16.9 25.3



#28
Benzo(b)fluoranthene
 Concen: 5.01 ng
 RT: 24.91 min Scan# 4144
 Delta R.T. -0.00 min
 Lab File: BE089706.D
 Acq: 27 Feb 2015 1:22

Tgt Ion: 252 Resp: 120314
 Ion Ratio Lower Upper
 252 100
 253 21.1 17.8 26.6
 125 16.5 12.9 19.3





#29

Benzo(k)fluoranthene

Concen: 4.86 ng

RT: 24.94 min Scan# 4151

Delta R.T. 0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

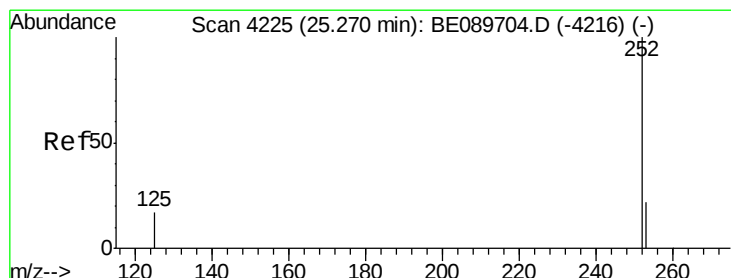
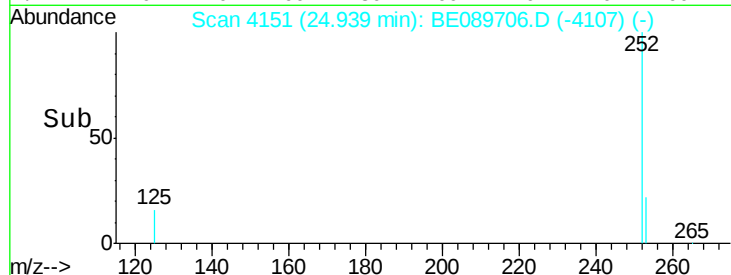
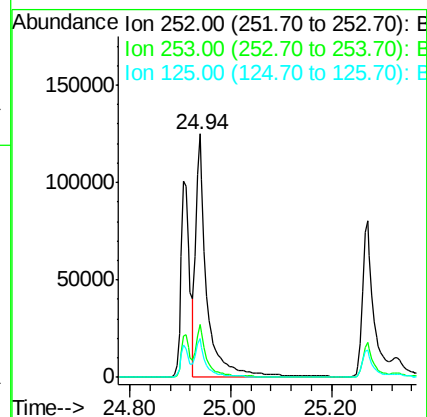
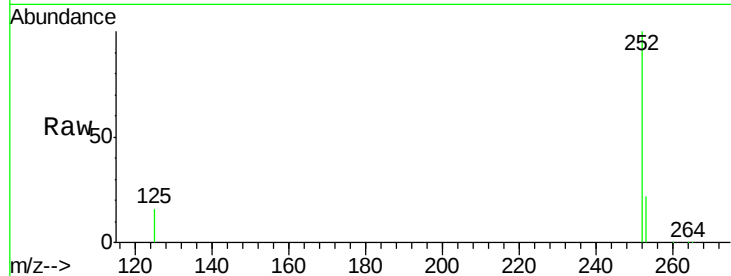
Tgt Ion:252 Resp: 187618

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 15.8 12.9 19.3



#30

Benzo(a)pyrene

Concen: 3.79 ng

RT: 25.27 min Scan# 4224

Delta R.T. 0.00 min

Lab File: BE089706.D

Acq: 27 Feb 2015 1:22

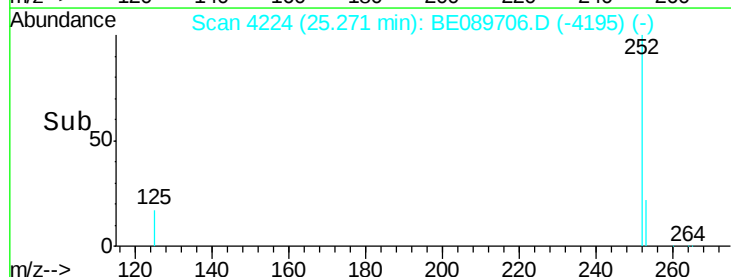
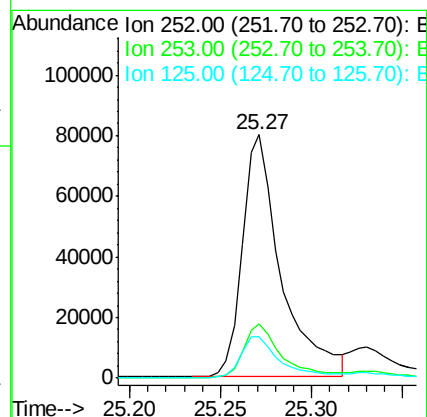
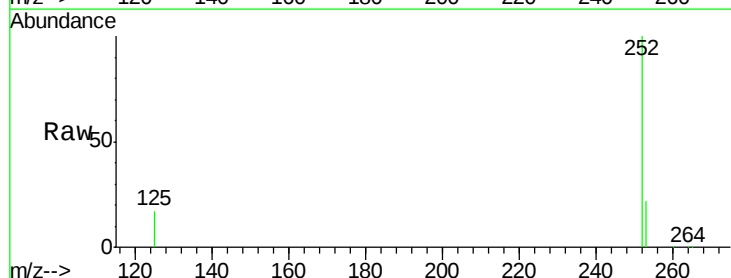
Tgt Ion:252 Resp: 118763

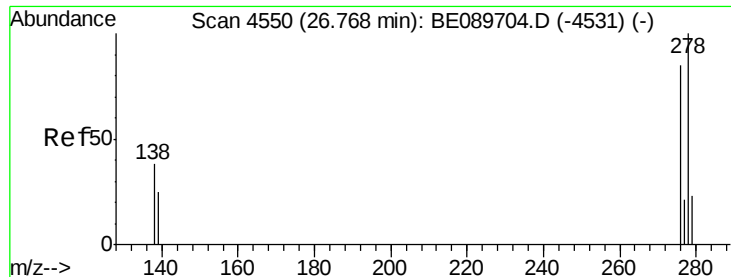
Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 17.2 14.0 21.0





#31

Dibenzo(a,h)anthracene

Concen: 3.17 ng

RT: 26.77 min Scan# 4550

Delta R.T. 0.00 min

Lab File: BE089706.D

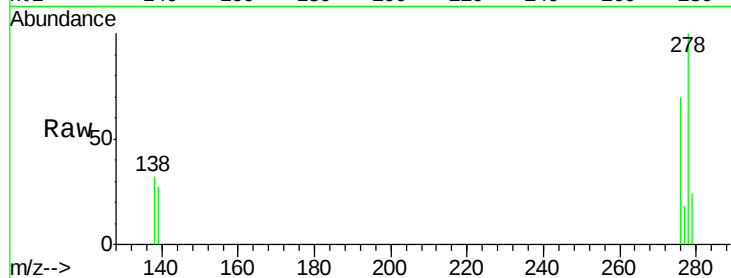
Acq: 27 Feb 2015 1:22

Instrument :

BNA_E

ClientSampleId :

SSTDIC005



Tgt Ion: 278 Resp: 105719

Ion Ratio Lower Upper

278 100

139 27.0 21.1 31.7

279 24.2 19.3 28.9

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

