

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020415\
 Data File : BE089498.D
 Acq On : 4 Feb 2015 15:58
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Quant Time: Feb 04 17:30:59 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:53:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	50986	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	205205	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	87479	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	164510	5.00	ng	0.00
20) Chrysene-d12	23.79	240	153355	5.00	ng	0.00
27) Perylene-d12	25.49	264	149764	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.74	112	15627	0.95	ng	0.02
4) Phenol-d6	8.86	99	19872	0.96	ng	0.03
8) Nitrobenzene-d5	10.79	82	15144	0.98	ng	0.00
14) 2,4,6-Tribromophenol	18.52	330	2501	0.82	ng	0.01
15) 2-Fluorobiphenyl	15.06	172	23759	1.03	ng	0.00
22) Terphenyl-d14	22.43	244	23480	1.08	ng	0.00

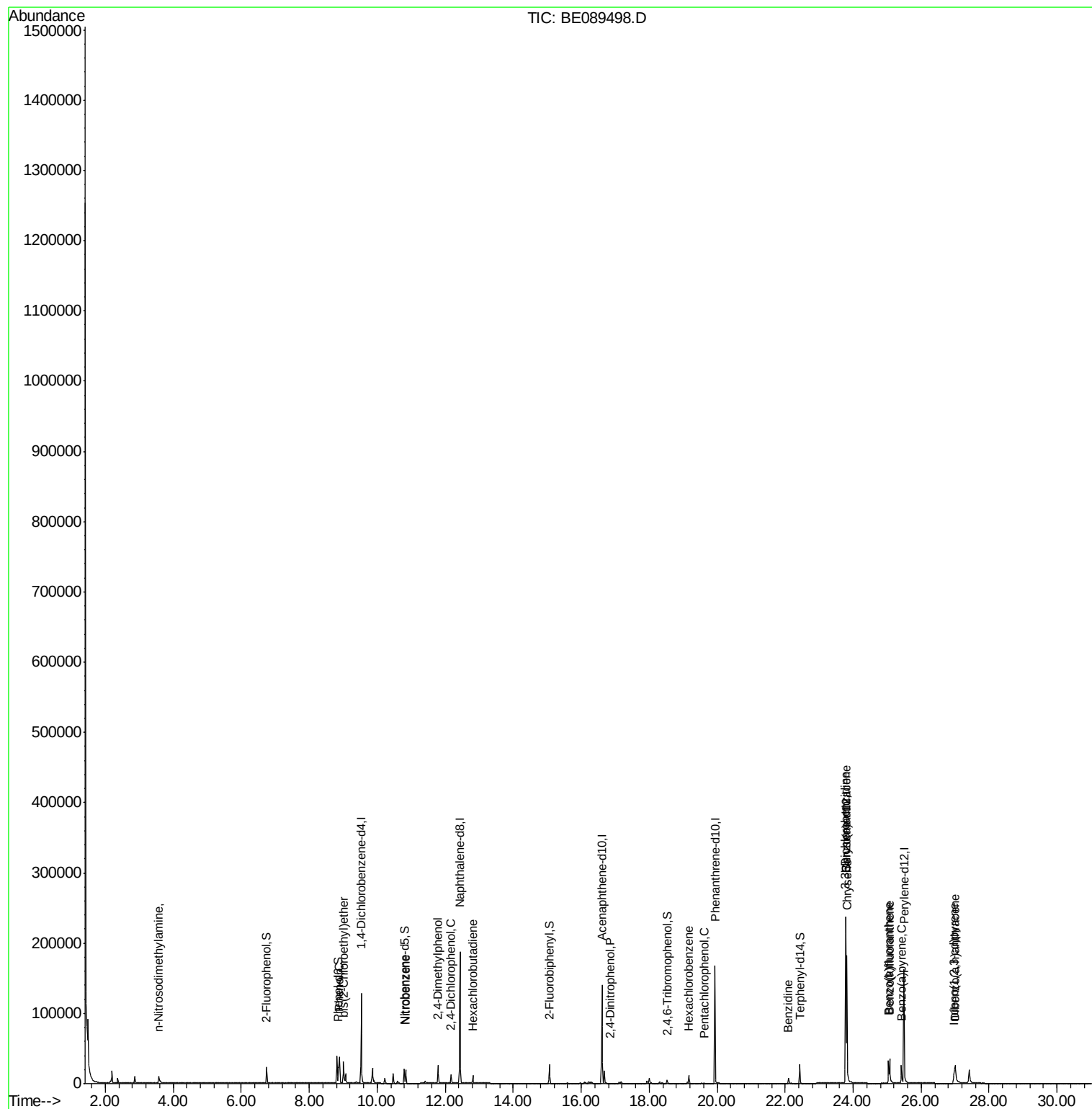
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.56	42	8826	0.93	ng	# 85
5) Phenol	8.90	94	19641	0.87	ng	# 63
6) bis(2-Chloroethyl)ether	9.01	93	15791	0.96	ng	# 99
9) Nitrobenzene	10.84	77	17312	0.97	ng	99
10) 2,4-Dimethylphenol	11.79	122	12432	0.97	ng	99
11) 2,4-Dichlorophenol	12.17	162	9248	0.97	ng	98
12) Hexachlorobutadiene	12.81	225	6286	0.99	ng	98
16) 2,4-Dinitrophenol	16.85	184	48	0.49	ng	# 65
18) Hexachlorobenzene	19.17	284	8577	1.01	ng	# 88
19) Pentachlorophenol	19.62	266	215	0.47	ng	95
21) Benzidine	22.10	184	9387	1.31	ng	99
23) Benzo(a)anthracene	23.77	228	138435	1.02	ng	98
24) 3,3'-Dichlorobenzidine	23.77	252	11322	0.99	ng	# 94
25) Chrysene	23.82	228	141233	0.99	ng	96
26) Indeno(1,2,3-cd)pyrene	26.97	276	39120	1.09	ng	99
28) Benzo(b)fluoranthene	25.04	252	29230	1.01	ng	98
29) Benzo(k)fluoranthene	25.08	252	38336	0.99	ng	99
30) Benzo(a)pyrene	25.42	252	28642	1.01	ng	98
31) Dibenzo(a,h)anthracene	27.00	278	32699	1.05	ng	99

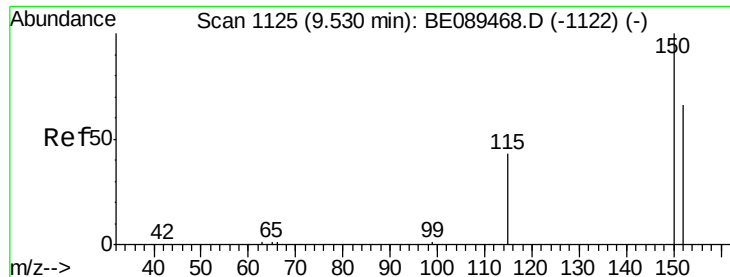
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Feb 04 17:30:59 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:53:32 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

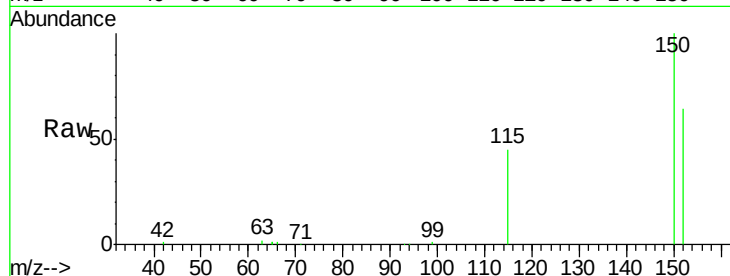
Tgt Ion:152 Resp: 50986

Ion Ratio Lower Upper

152 100

150 156.9 122.1 183.1

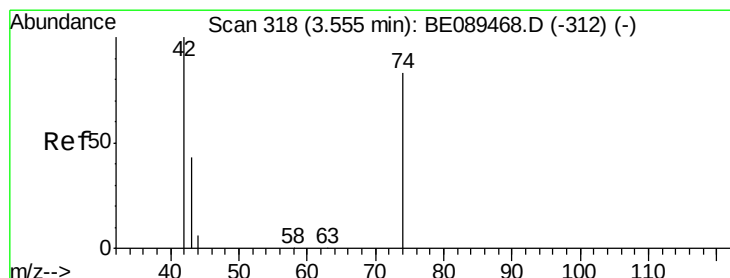
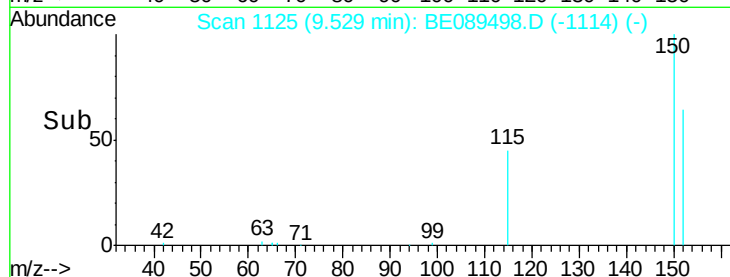
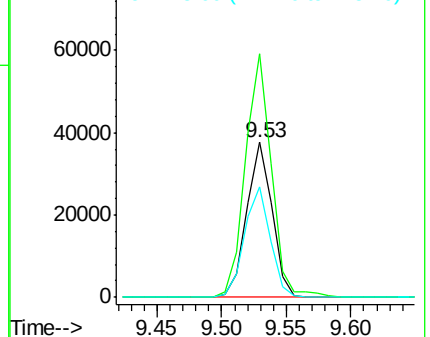
115 71.2 53.2 79.8



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: 0.93 ng

RT: 3.56 min Scan# 319

Delta R.T. 0.01 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

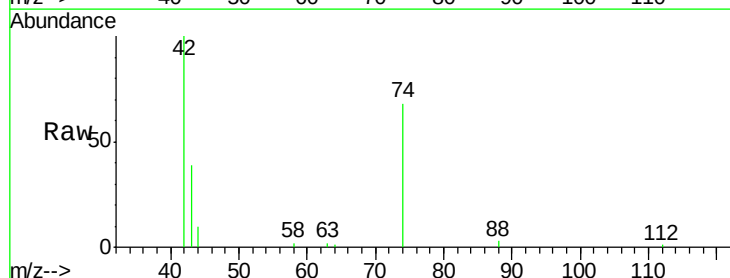
Tgt Ion: 42 Resp: 8826

Ion Ratio Lower Upper

42 100

74 67.7 65.4 98.2

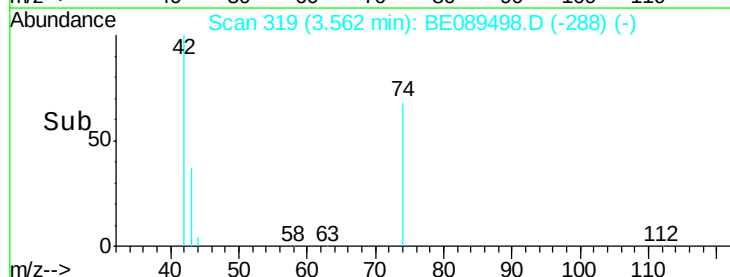
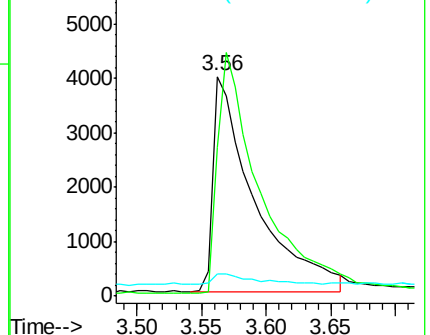
44 10.3 11.7 17.5#

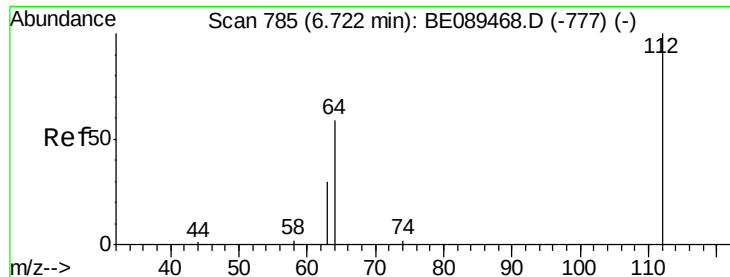


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

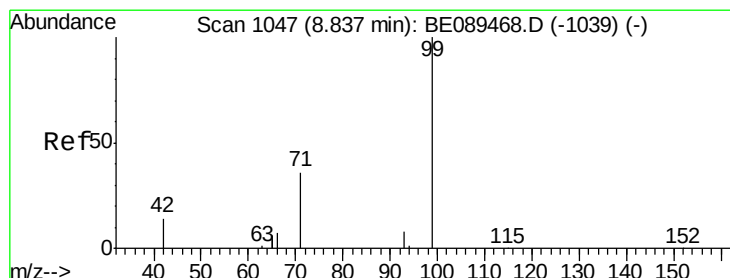
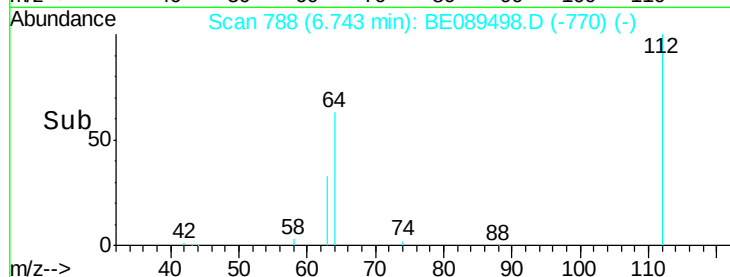
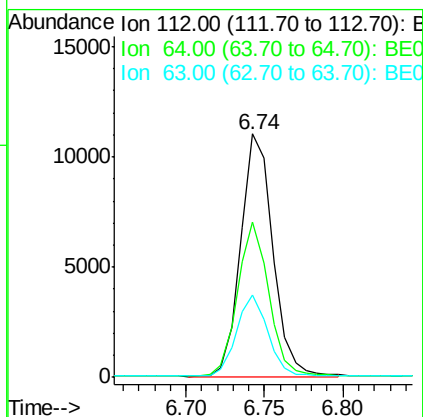
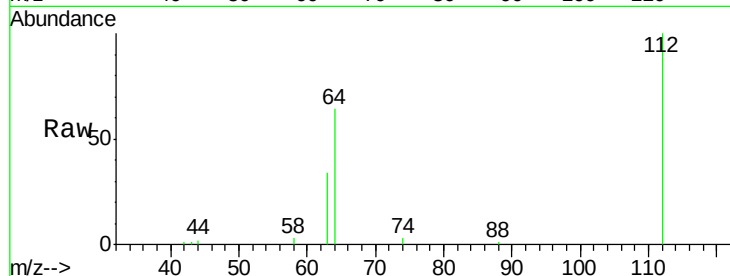




#3
 2-Fluorophenol
 Concen: 0.95 ng
 RT: 6.74 min Scan# 788
 Delta R.T. 0.02 min
 Lab File: BE089498.D
 Acq: 4 Feb 2015 15:58

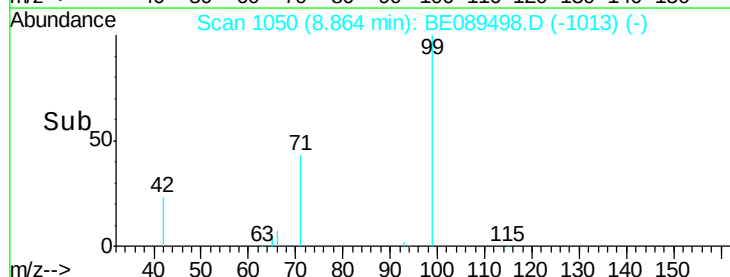
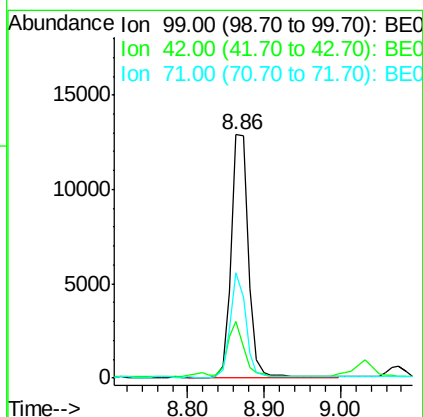
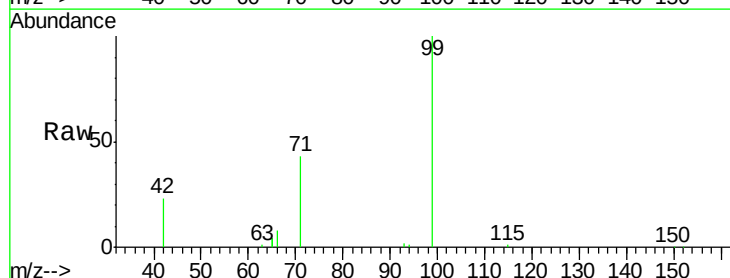
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

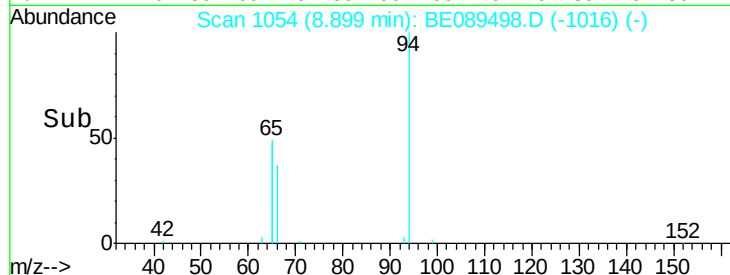
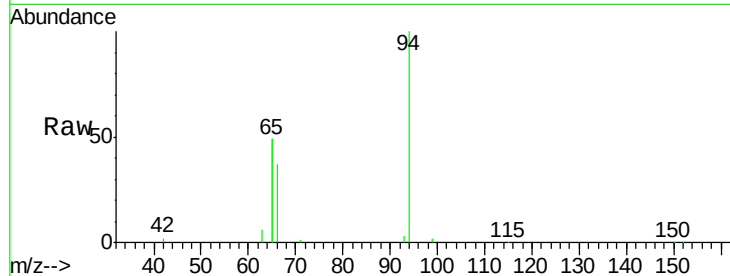
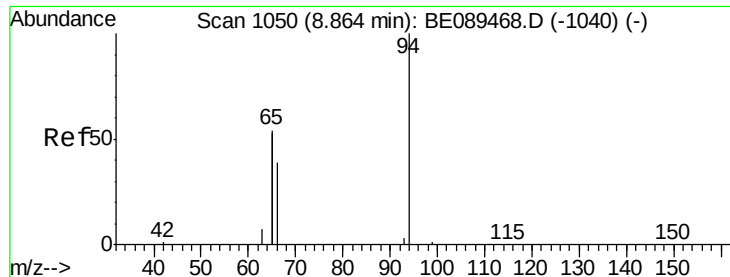
Tgt Ion: 112 Resp: 15627
 Ion Ratio Lower Upper
 112 100
 64 63.7 47.0 70.6
 63 33.8 24.2 36.2



#4
 Phenol-d6
 Concen: 0.96 ng
 RT: 8.86 min Scan# 1050
 Delta R.T. 0.03 min
 Lab File: BE089498.D
 Acq: 4 Feb 2015 15:58

Tgt Ion: 99 Resp: 19872
 Ion Ratio Lower Upper
 99 100
 42 23.5 11.8 17.6#
 71 43.4 28.7 43.1#





#5

Phenol

Concen: 0.87 ng

RT: 8.90 min Scan# 1054

Delta R.T. 0.04 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

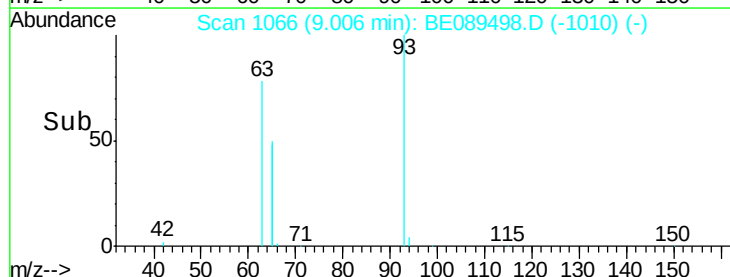
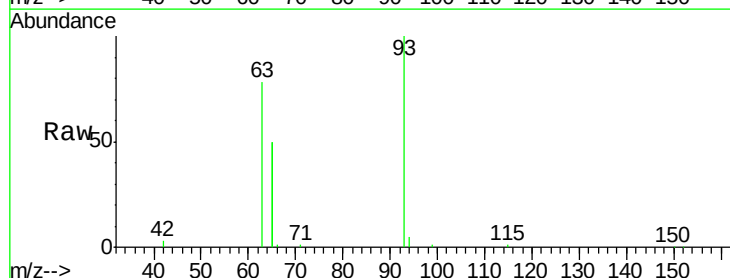
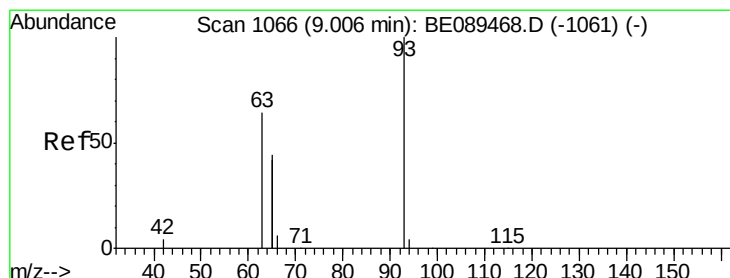
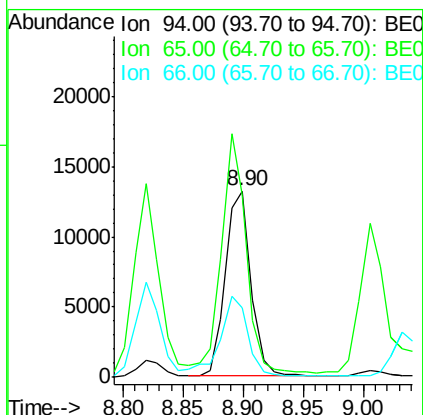
Tgt Ion: 94 Resp: 19641

Ion Ratio Lower Upper

94 100

65 97.8 33.9 73.9#

66 37.1 19.1 59.1



#6

bis(2-Chloroethyl)ether

Concen: 0.96 ng

RT: 9.01 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

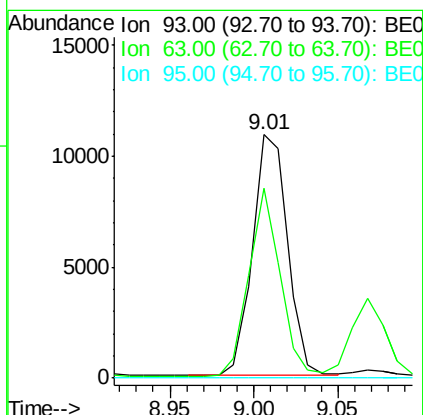
Tgt Ion: 93 Resp: 15791

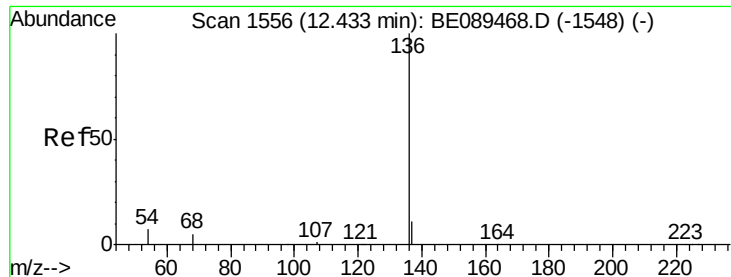
Ion Ratio Lower Upper

93 100

63 70.2 57.0 85.6

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

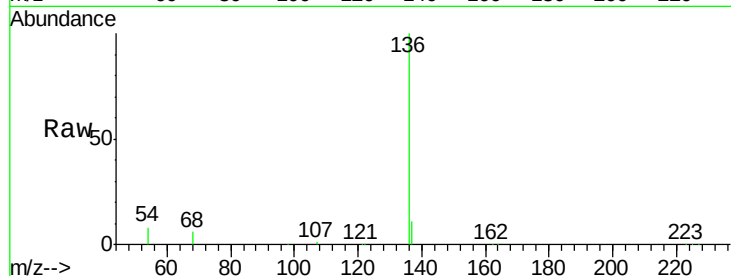
Tgt Ion: 136 Resp: 205205

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

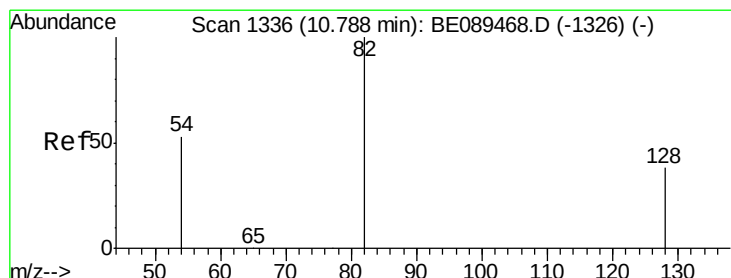
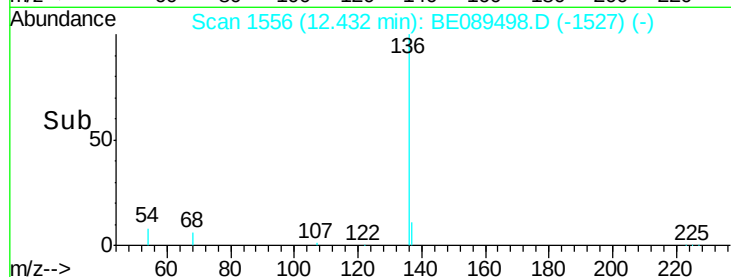
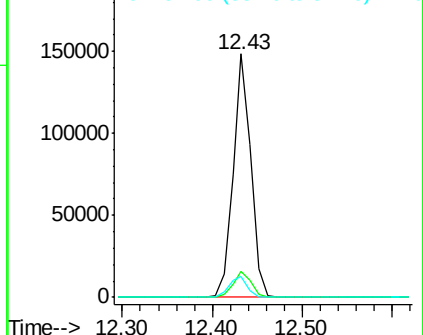
54 8.4 5.4 8.0#



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: 0.98 ng

RT: 10.79 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

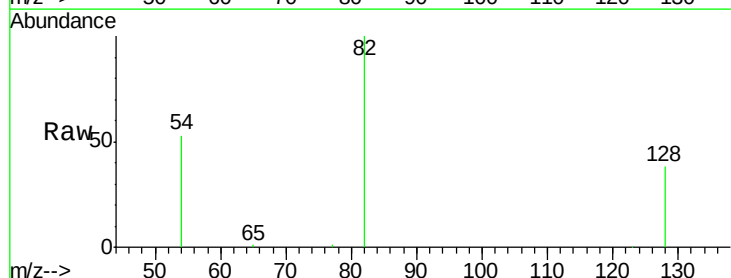
Tgt Ion: 82 Resp: 15144

Ion Ratio Lower Upper

82 100

128 37.9 30.3 45.5

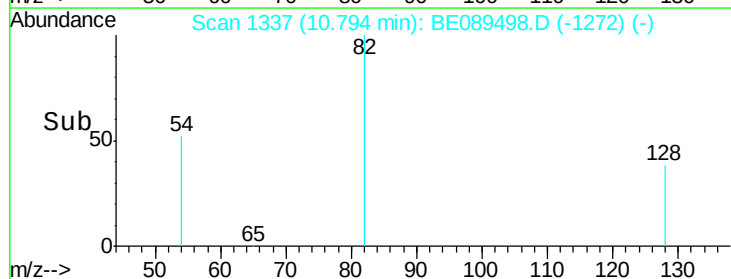
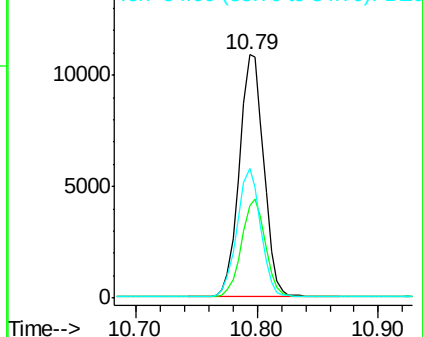
54 53.0 43.1 64.7

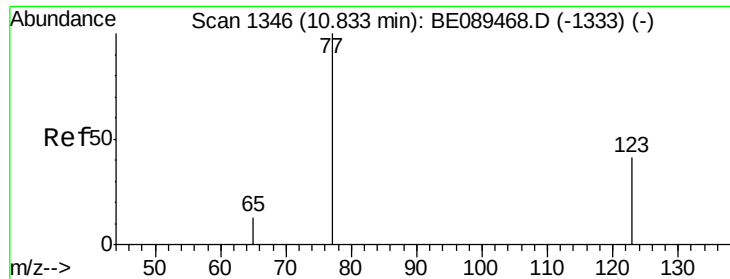


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.97 ng

RT: 10.84 min Scan# 1347

Delta R.T. 0.01 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

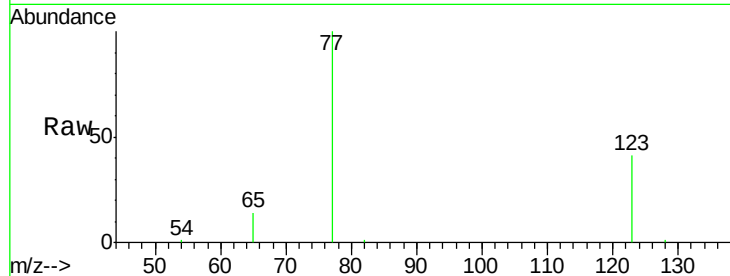
Tgt Ion: 77 Resp: 17312

Ion Ratio Lower Upper

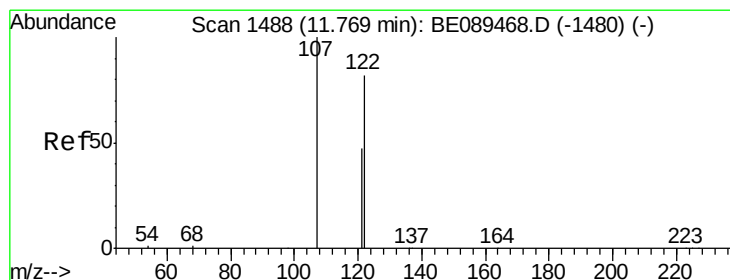
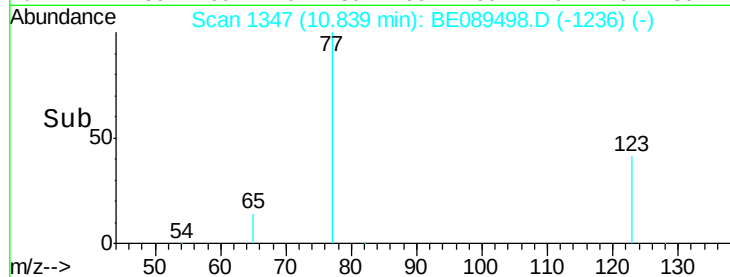
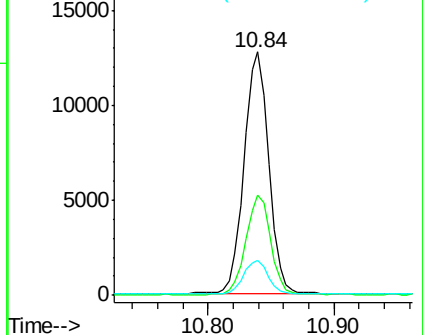
77 100

123 41.2 33.4 50.0

65 14.0 10.9 16.3



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: 0.97 ng

RT: 11.79 min Scan# 1490

Delta R.T. 0.02 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

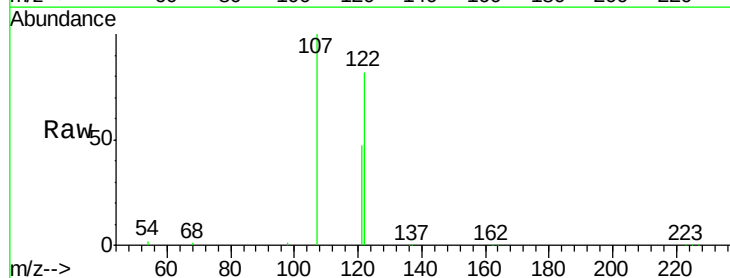
Tgt Ion: 122 Resp: 12432

Ion Ratio Lower Upper

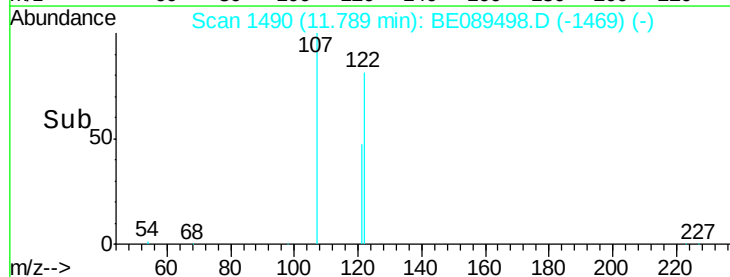
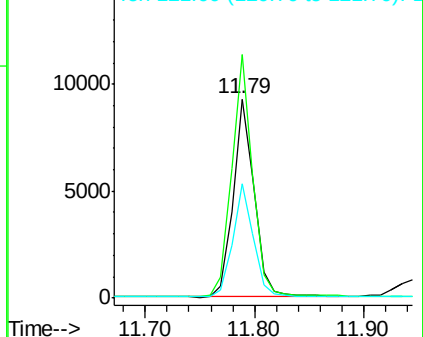
122 100

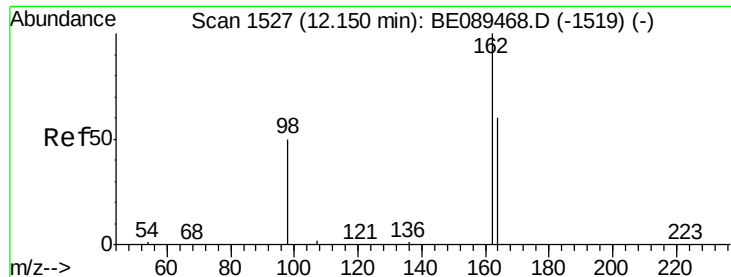
107 122.4 97.3 145.9

121 57.2 46.4 69.6



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

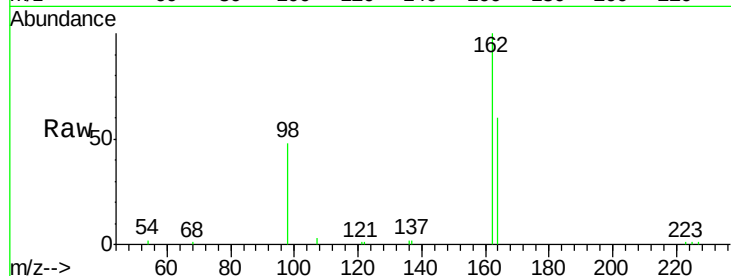




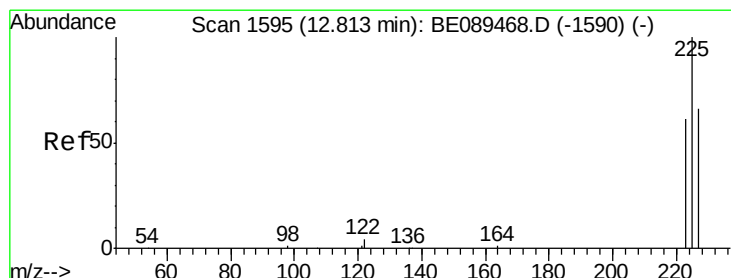
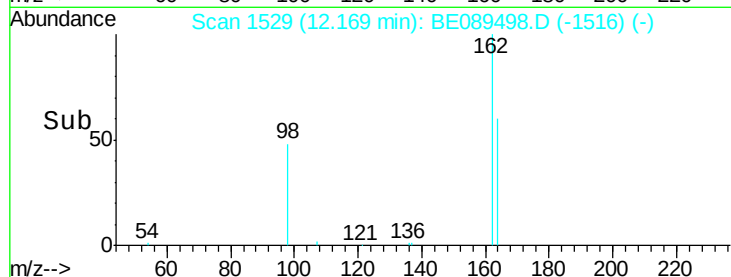
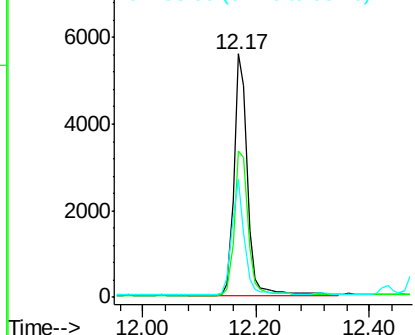
#11
 2,4-Dichlorophenol
 Concen: 0.97 ng
 RT: 12.17 min Scan# 1529
 Delta R.T. 0.02 min
 Lab File: BE089498.D
 Acq: 4 Feb 2015 15:58

Instrument :
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 SSTDCCC001EC

Tgt Ion:162 Resp: 9248
 Ion Ratio Lower Upper
 162 100
 164 60.4 39.9 79.9
 98 48.3 31.3 71.3

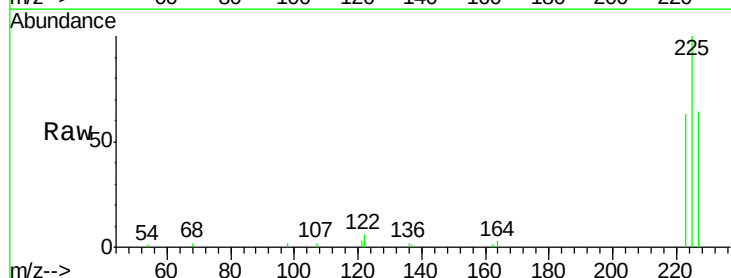


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

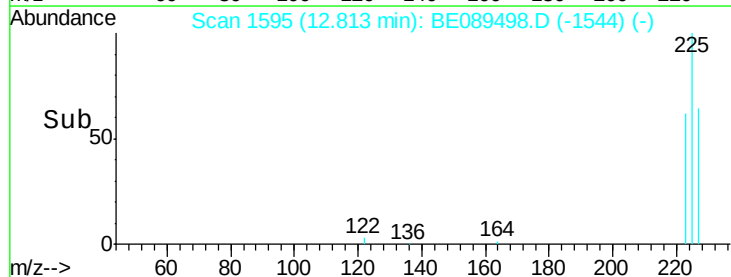
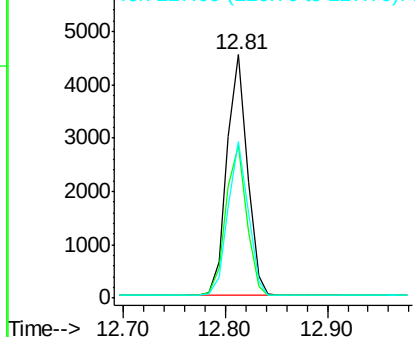


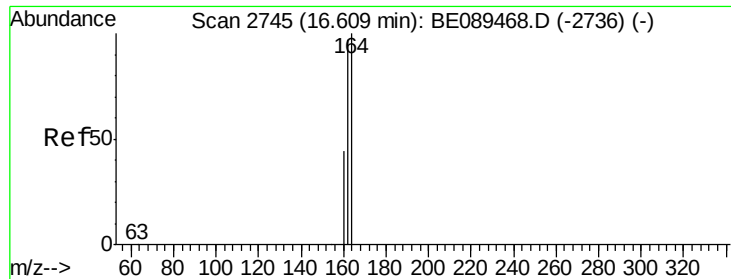
#12
 Hexachlorobutadiene
 Concen: 0.99 ng
 RT: 12.81 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BE089498.D
 Acq: 4 Feb 2015 15:58

Tgt Ion:225 Resp: 6286
 Ion Ratio Lower Upper
 225 100
 223 63.4 49.4 74.0
 227 63.2 51.2 76.8



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: 16.62 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

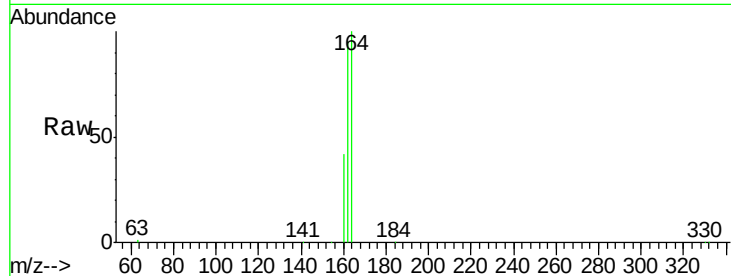
Tgt Ion:164 Resp: 87479

Ion Ratio Lower Upper

164 100

162 94.6 77.6 116.4

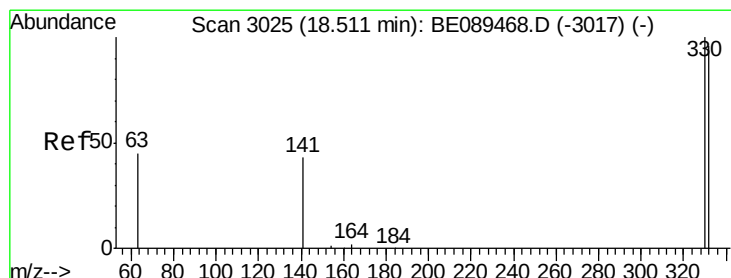
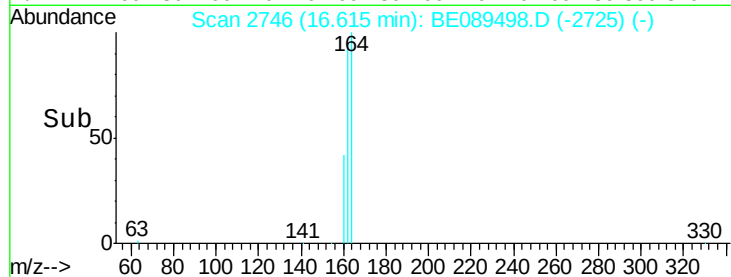
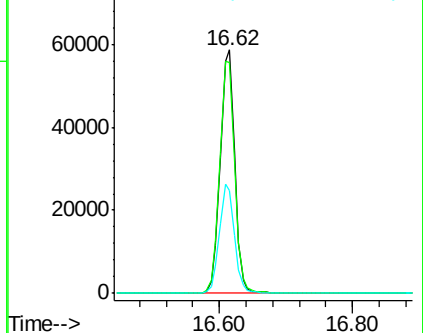
160 42.5 35.6 53.4



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: 0.82 ng

RT: 18.52 min Scan# 3027

Delta R.T. 0.01 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

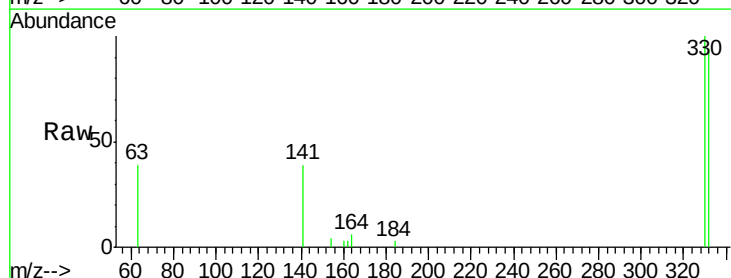
Tgt Ion:330 Resp: 2501

Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

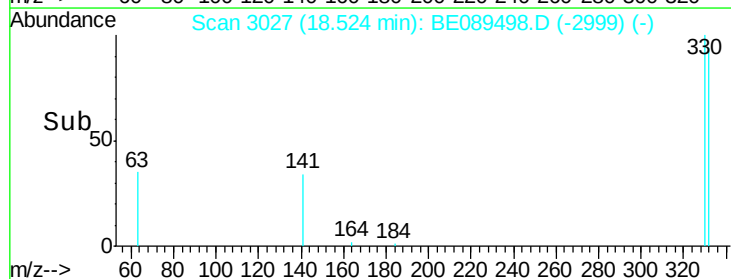
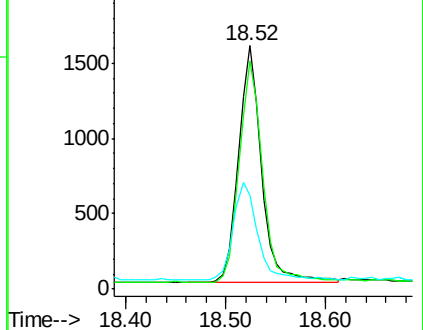
141 44.1 33.8 50.6

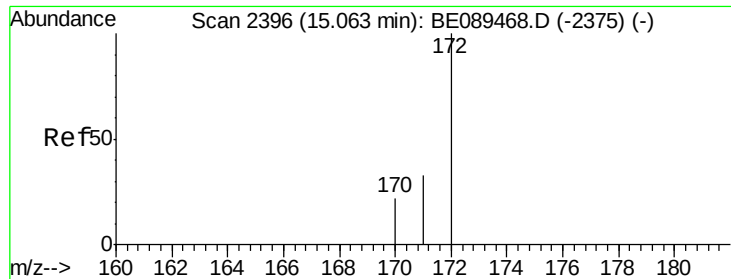


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

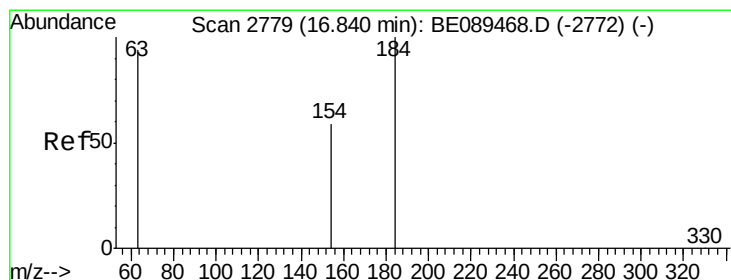
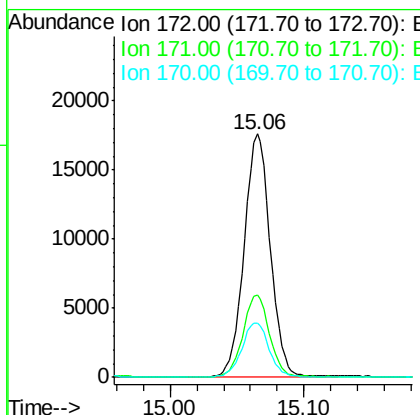
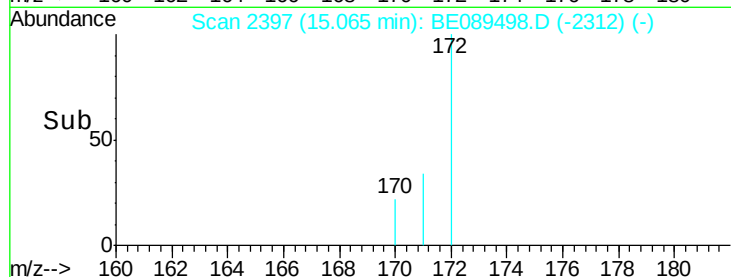
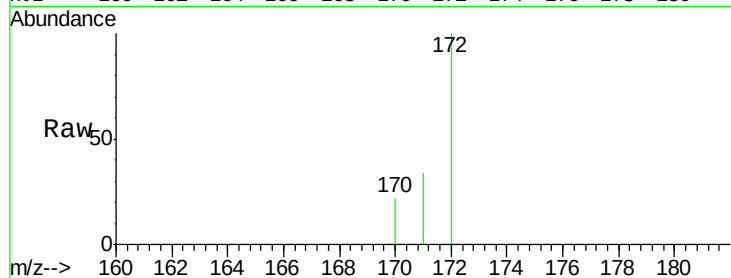




#15
2-Fluorobiphenyl
Concen: 1.03 ng
RT: 15.06 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BE089498.D
Acq: 4 Feb 2015 15:58

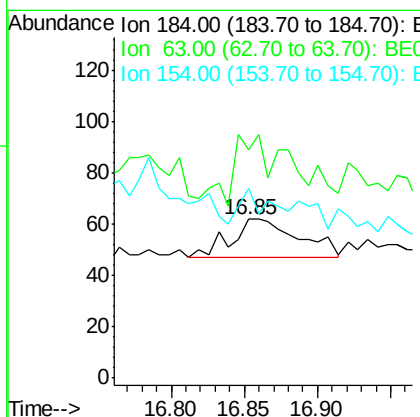
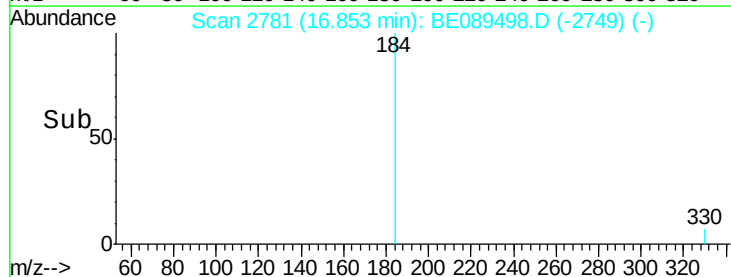
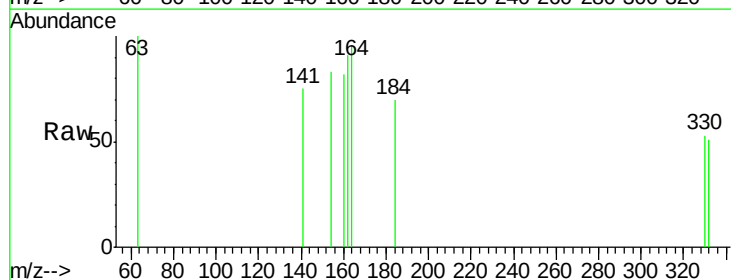
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

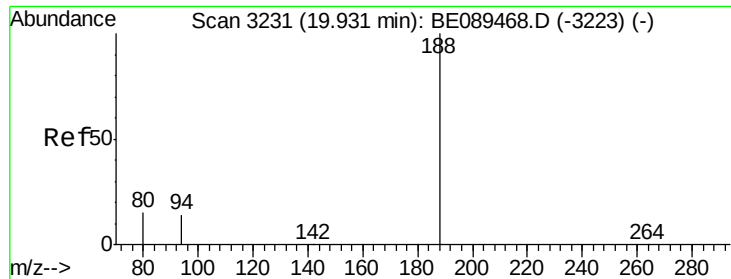
Tgt Ion:172 Resp: 23759
Ion Ratio Lower Upper
172 100
171 33.9 26.8 40.2
170 22.2 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 0.49 ng
RT: 16.85 min Scan# 2781
Delta R.T. 0.01 min
Lab File: BE089498.D
Acq: 4 Feb 2015 15:58

Tgt Ion:184 Resp: 48
Ion Ratio Lower Upper
184 100
63 143.5 92.1 138.1#
154 119.4 61.4 92.2#

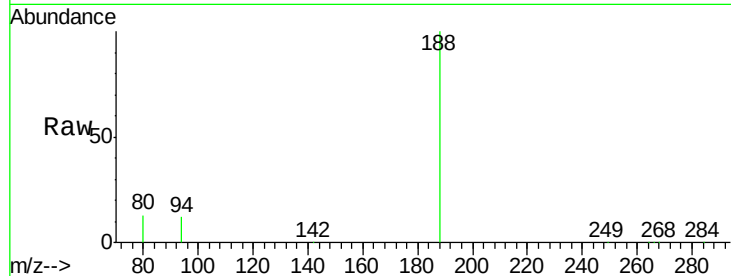




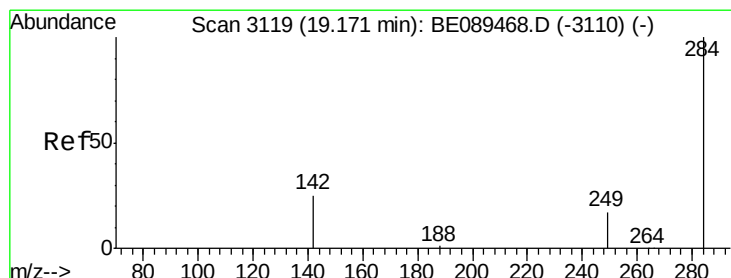
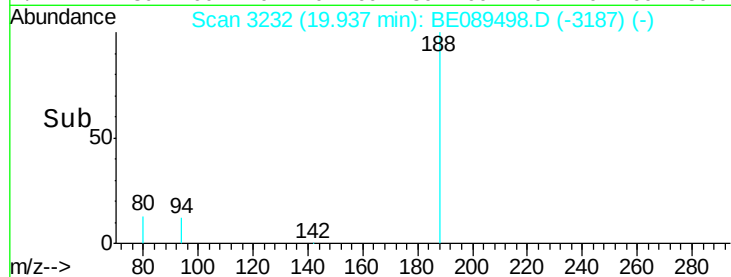
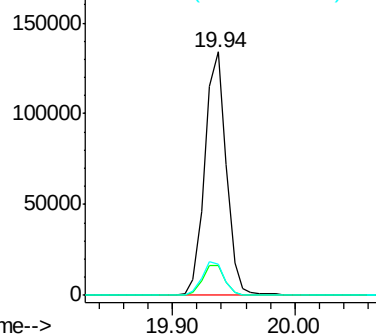
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.94 min Scan# 3232
Delta R.T. 0.01 min
Lab File: BE089498.D
Acq: 4 Feb 2015 15:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion:188 Resp: 164510
Ion Ratio Lower Upper
188 100
94 12.2 11.1 16.7
80 12.6 11.8 17.6

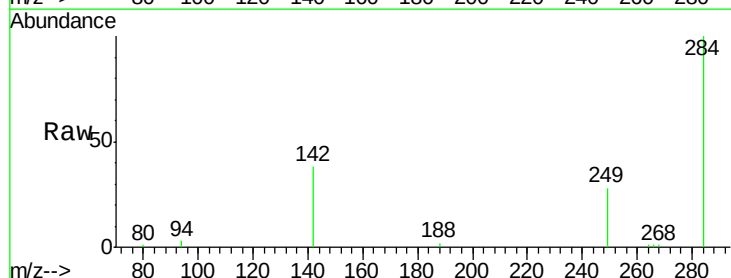


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

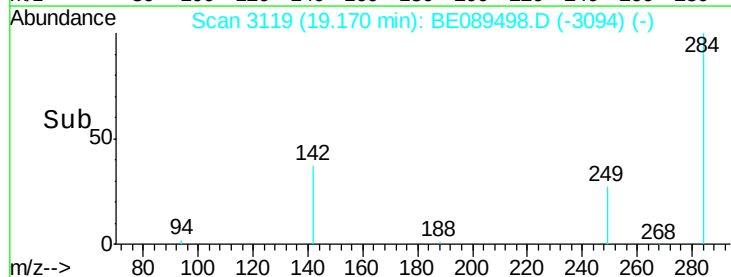
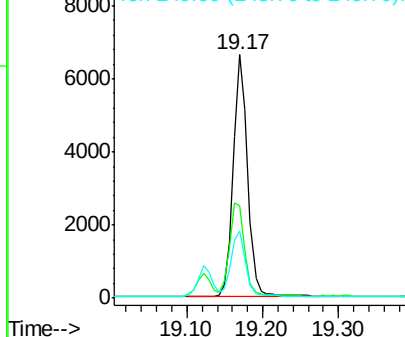


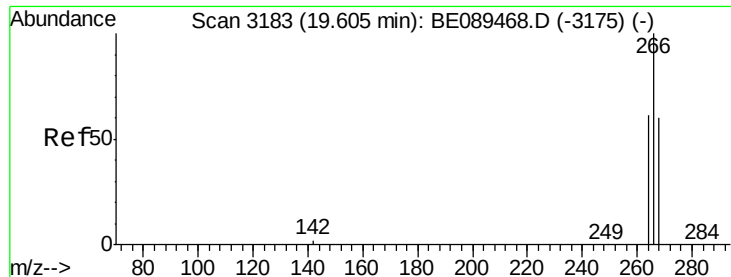
#18
Hexachlorobenzene
Concen: 1.01 ng
RT: 19.17 min Scan# 3119
Delta R.T. -0.00 min
Lab File: BE089498.D
Acq: 4 Feb 2015 15:58

Tgt Ion:284 Resp: 8577
Ion Ratio Lower Upper
284 100
142 38.0 24.4 36.6#
249 27.7 18.2 27.2#



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





#19

Pentachlorophenol

Concen: 0.47 ng

RT: 19.62 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

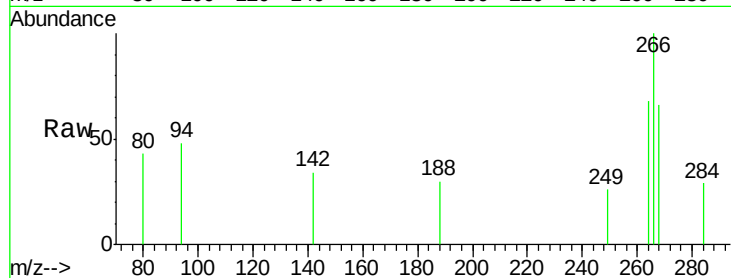
Tgt Ion:266 Resp: 215

Ion Ratio Lower Upper

266 100

268 66.1 50.0 75.0

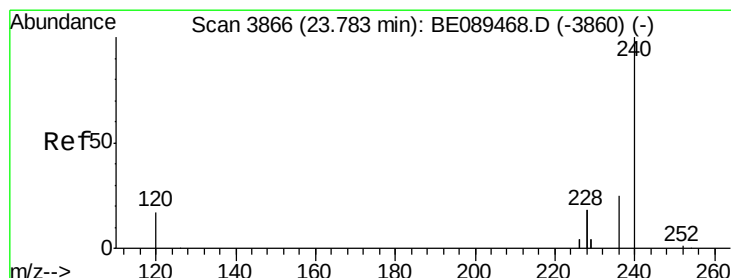
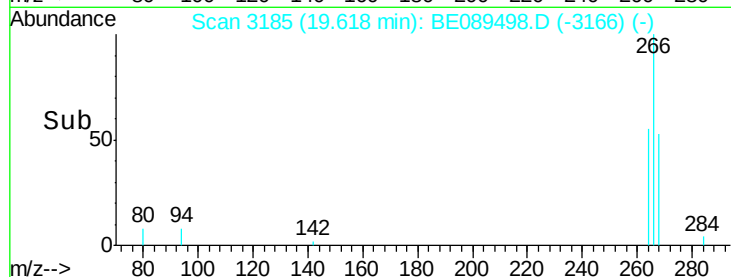
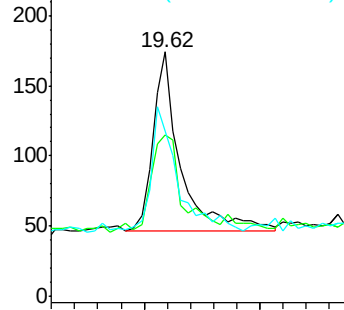
264 67.8 50.6 75.8



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: 23.79 min Scan# 3866

Delta R.T. 0.01 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

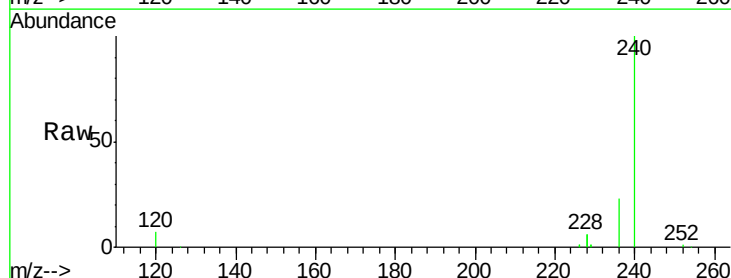
Tgt Ion:240 Resp: 153355

Ion Ratio Lower Upper

240 100

120 7.1 13.8 20.6#

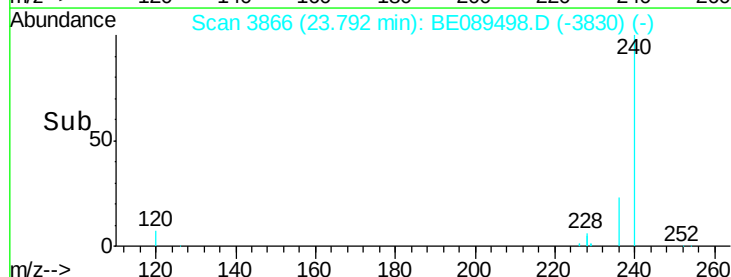
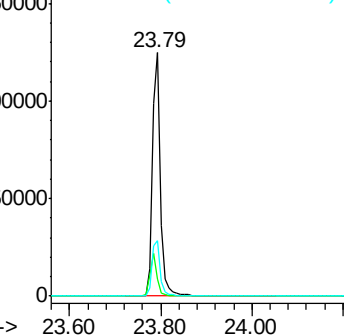
236 22.8 20.2 30.2

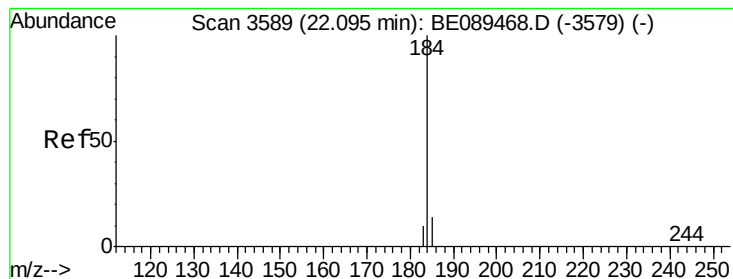


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 1.31 ng

RT: 22.10 min Scan# 3590

Delta R.T. 0.01 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

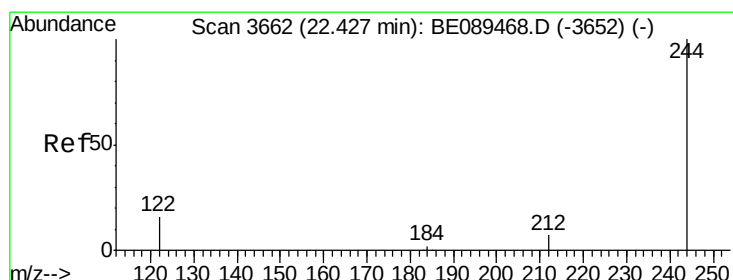
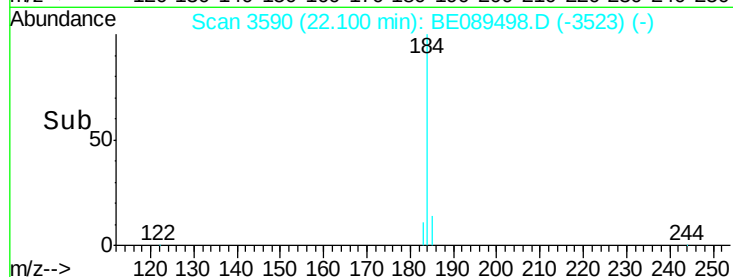
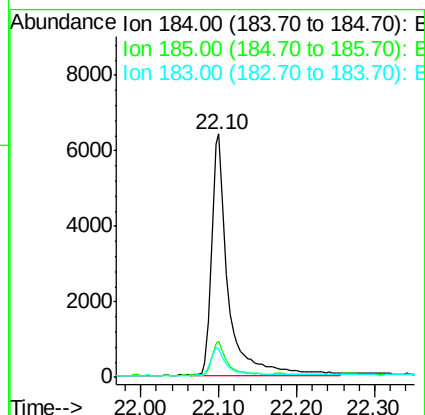
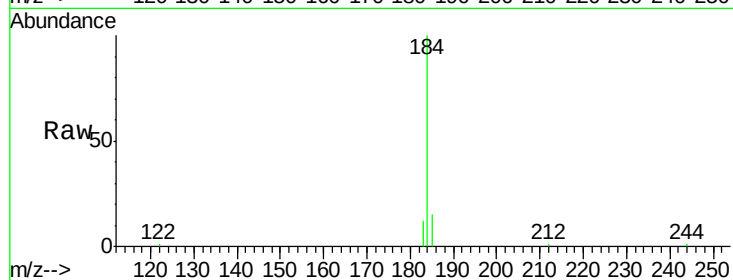
Tgt Ion:184 Resp: 9387

Ion Ratio Lower Upper

184 100

185 14.9 12.0 18.0

183 11.5 9.0 13.4



#22

Terphenyl-d14

Concen: 1.08 ng

RT: 22.43 min Scan# 3662

Delta R.T. 0.00 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

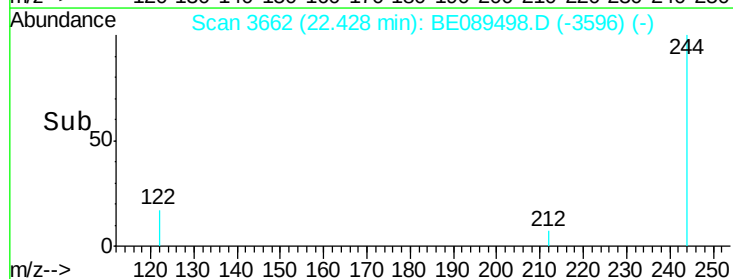
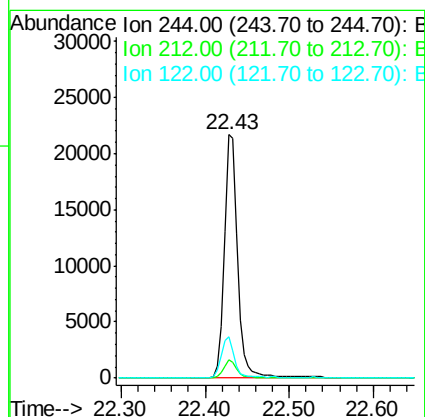
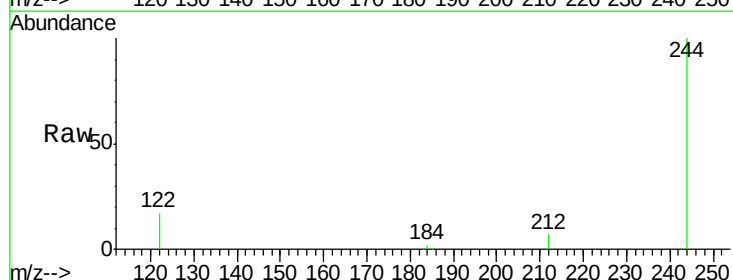
Tgt Ion:244 Resp: 23480

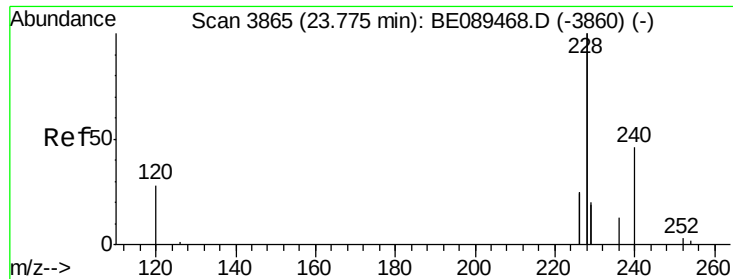
Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

122 17.0 12.6 19.0





#23

Benzo(a)anthracene

Concen: 1.02 ng

RT: 23.77 min Scan# 3864

Delta R.T. 0.00 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

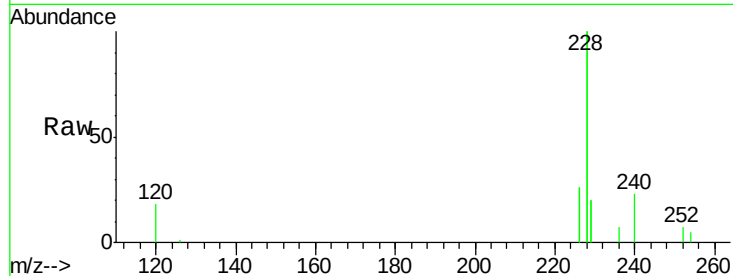
Tgt Ion:228 Resp: 138435

Ion Ratio Lower Upper

228 100

226 26.0 19.6 29.4

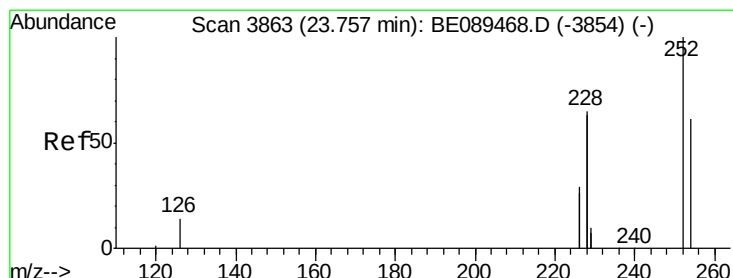
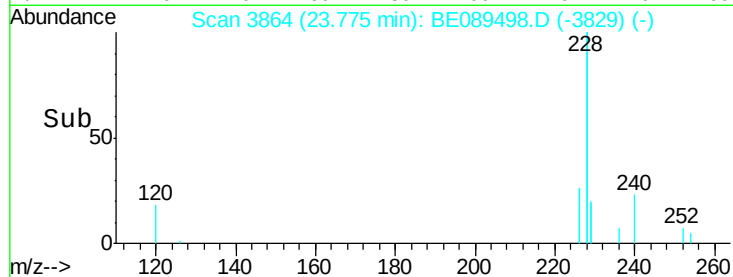
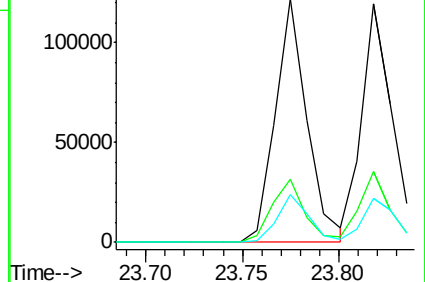
229 19.5 15.9 23.9



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: 0.99 ng

RT: 23.77 min Scan# 3863

Delta R.T. 0.01 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

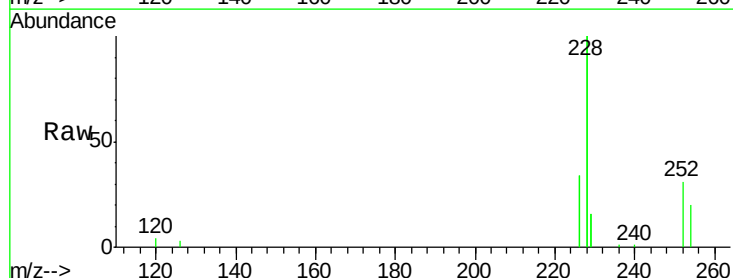
Tgt Ion:252 Resp: 11322

Ion Ratio Lower Upper

252 100

254 64.5 48.6 73.0

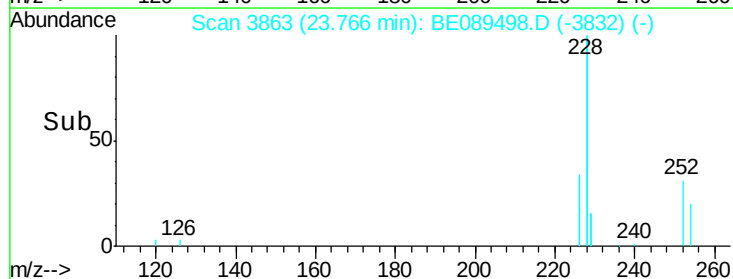
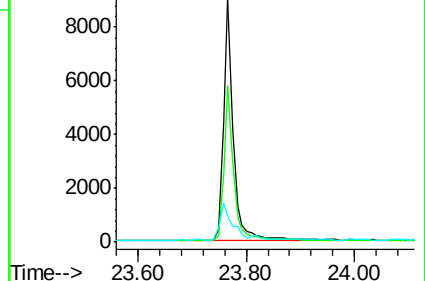
126 10.9 12.4 18.6#

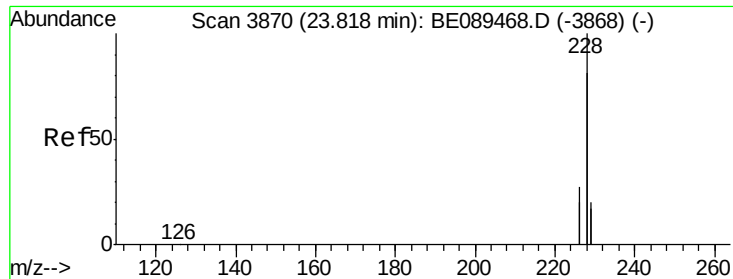


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.99 ng

RT: 23.82 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

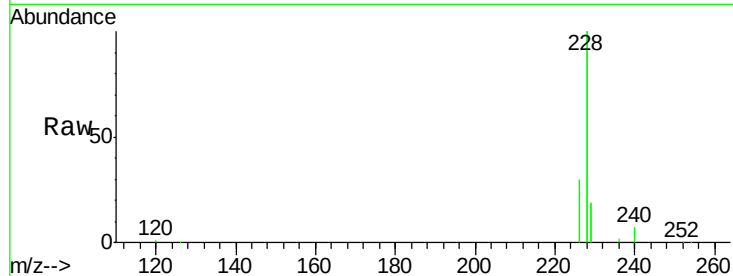
Tgt Ion:228 Resp: 141233

Ion Ratio Lower Upper

228 100

226 29.5 21.8 32.8

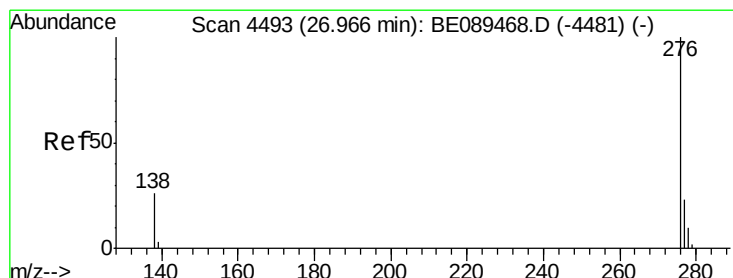
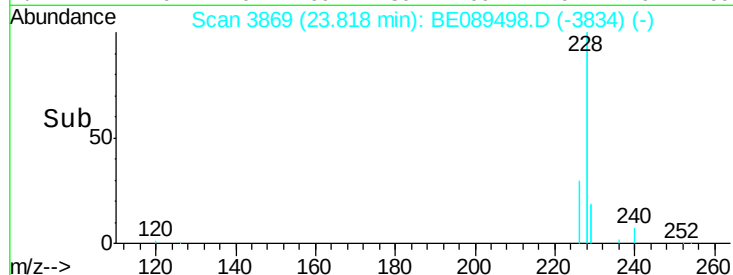
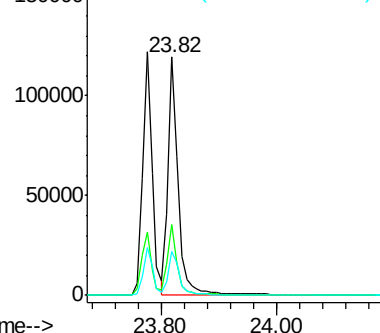
229 18.7 16.2 24.2



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: 1.09 ng

RT: 26.97 min Scan# 4492

Delta R.T. 0.00 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

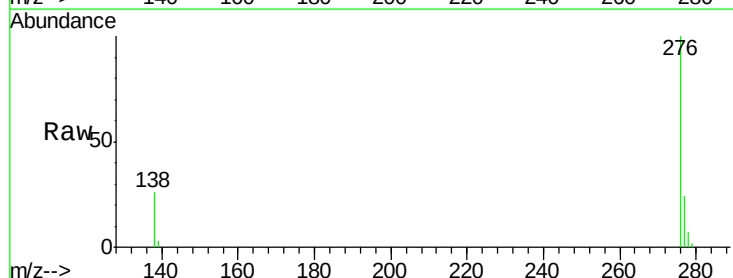
Tgt Ion:276 Resp: 39120

Ion Ratio Lower Upper

276 100

138 28.9 24.2 36.4

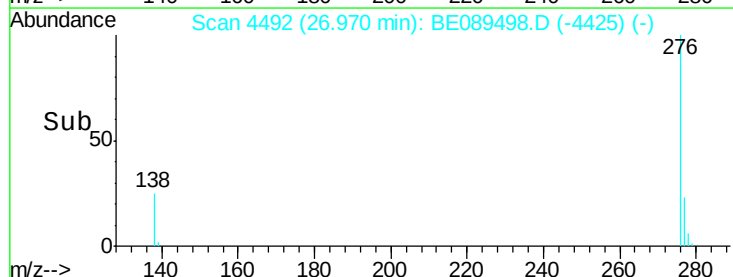
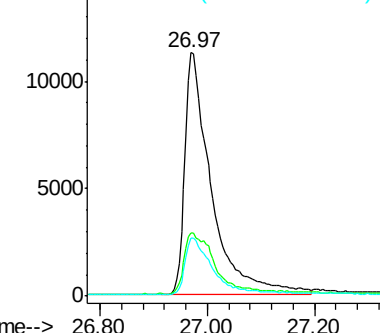
277 24.8 19.9 29.9

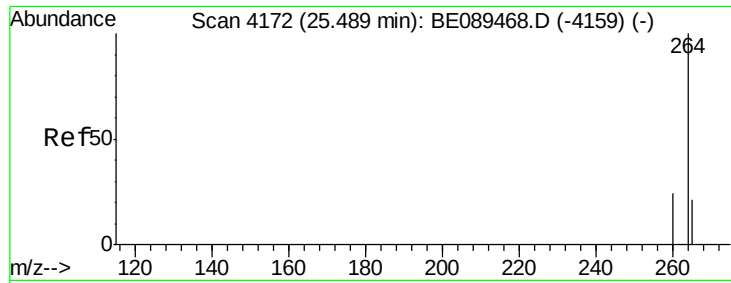


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

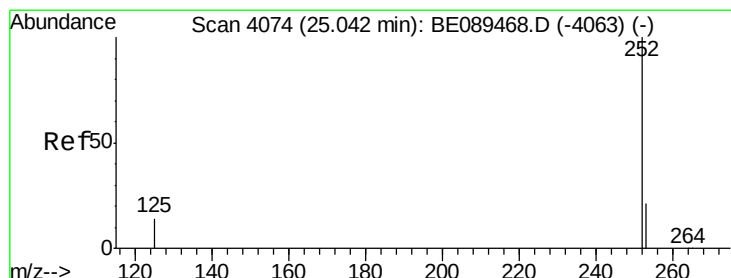
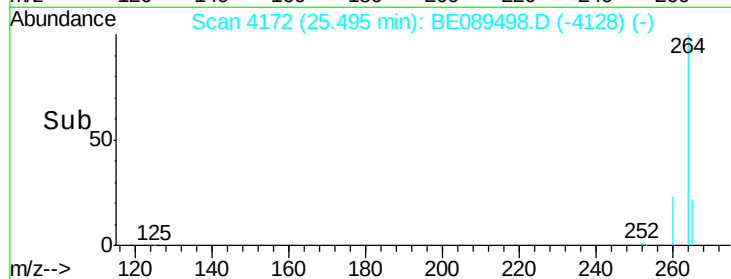
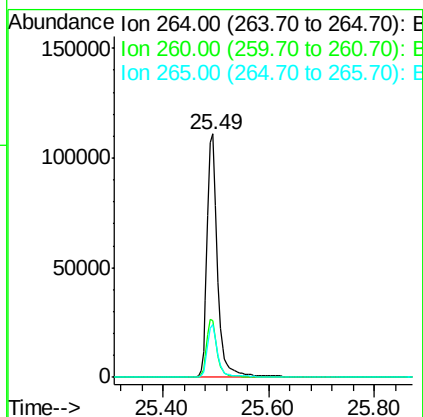
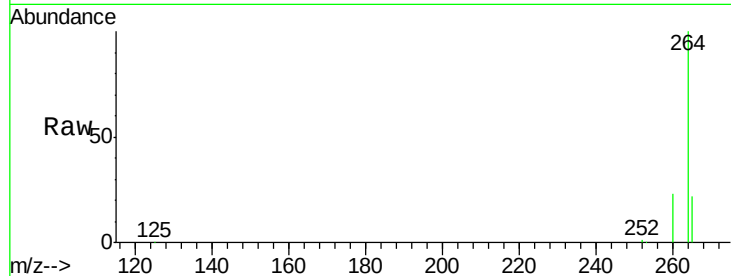




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4172
 Delta R.T. 0.01 min
 Lab File: BE089498.D
 Acq: 4 Feb 2015 15:58

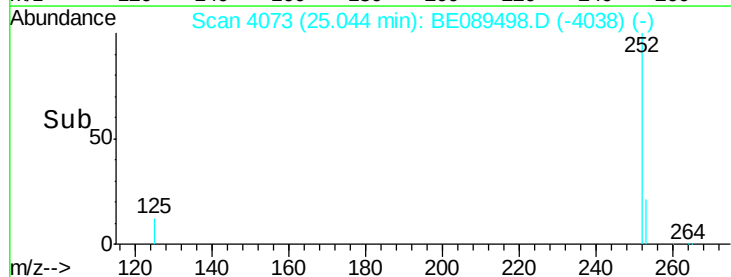
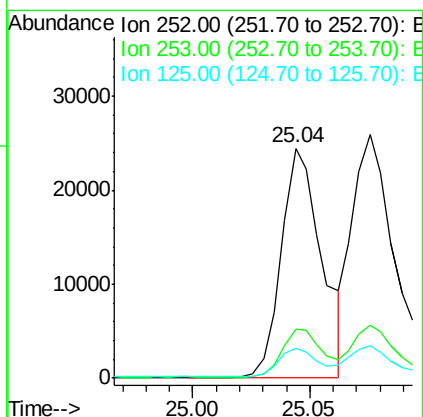
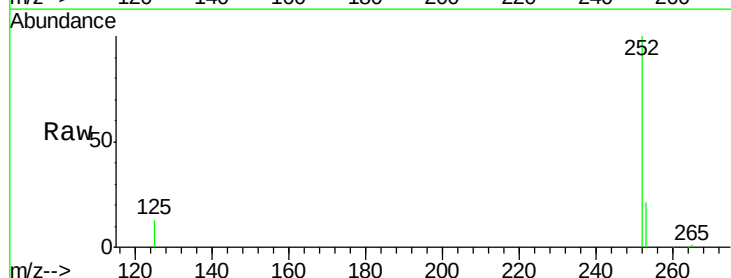
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

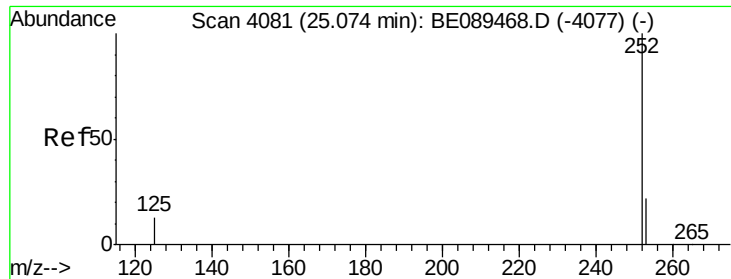
Tgt Ion: 264 Resp: 149764
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.9 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 1.01 ng
 RT: 25.04 min Scan# 4073
 Delta R.T. 0.00 min
 Lab File: BE089498.D
 Acq: 4 Feb 2015 15:58

Tgt Ion: 252 Resp: 29230
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.4 26.2
 125 13.1 11.3 16.9





#29

Benzo(k)fluoranthene

Concen: 0.99 ng

RT: 25.08 min Scan# 4080

Delta R.T. 0.00 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

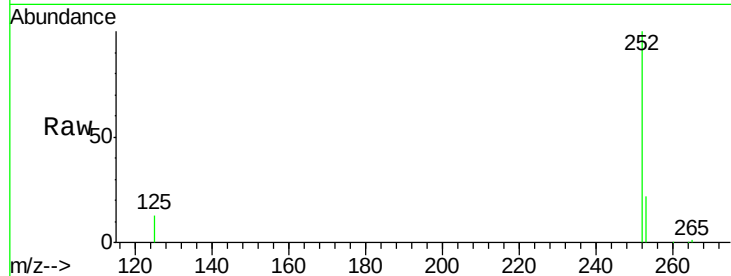
Tgt Ion:252 Resp: 38336

Ion Ratio Lower Upper

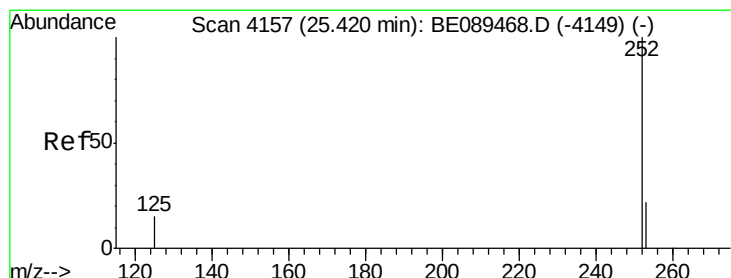
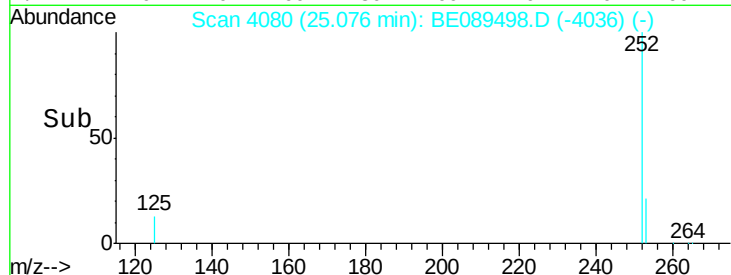
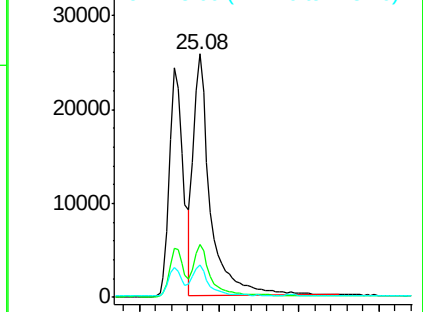
252 100

253 21.6 17.9 26.9

125 13.3 10.6 15.8



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



#30

Benzo(a)pyrene

Concen: 1.01 ng

RT: 25.42 min Scan# 4156

Delta R.T. 0.00 min

Lab File: BE089498.D

Acq: 4 Feb 2015 15:58

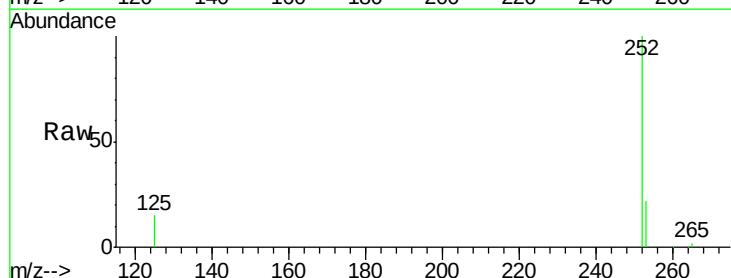
Tgt Ion:252 Resp: 28642

Ion Ratio Lower Upper

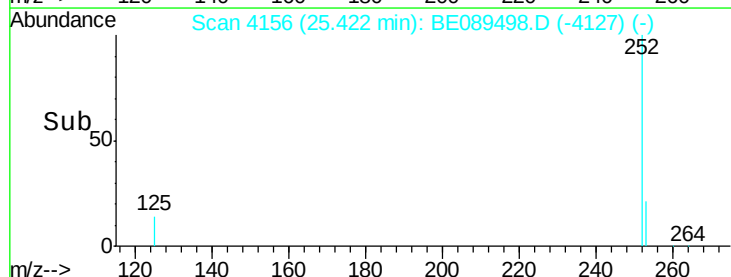
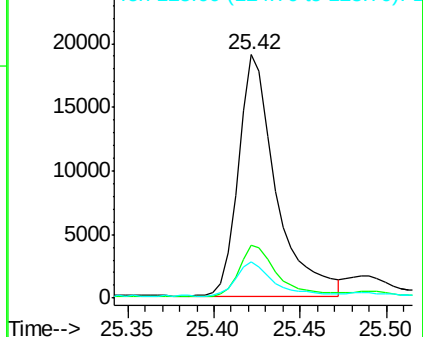
252 100

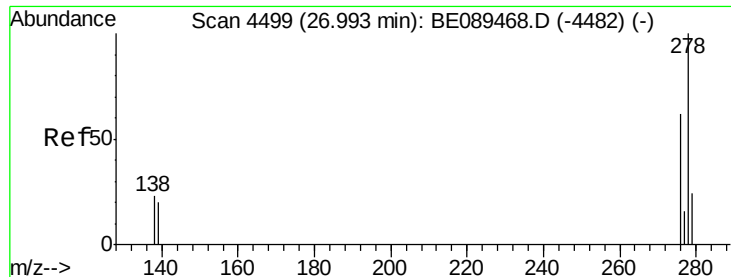
253 21.6 18.2 27.2

125 14.9 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: 1.05 ng

RT: 27.00 min Scan# 4499

Delta R.T. 0.01 min

Lab File: BE089498.D

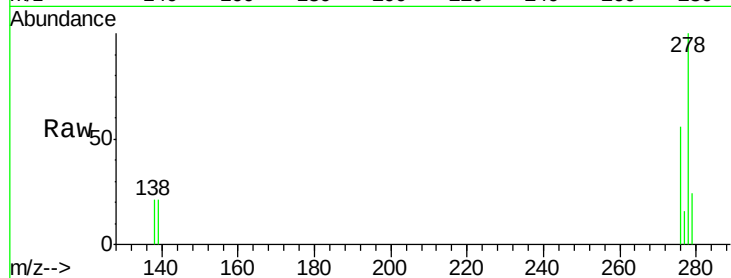
Acq: 4 Feb 2015 15:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC



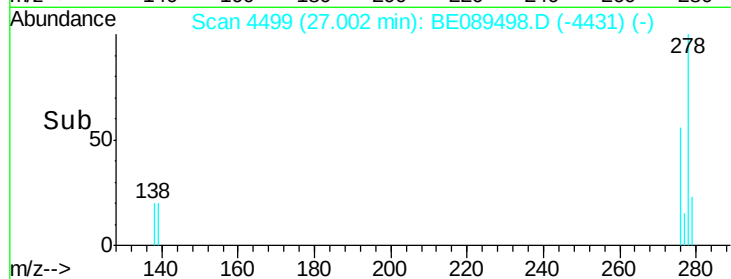
Tgt Ion: 278 Resp: 32699

Ion Ratio Lower Upper

278 100

139 20.5 16.8 25.2

279 24.1 19.4 29.0



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

