

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020415\
 Data File : BE089492.D
 Acq On : 4 Feb 2015 11:43
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 04 12:37:01 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	56972	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	226586	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	96844	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	181968	5.00	ng	0.00
20) Chrysene-d12	23.79	240	168704	5.00	ng	0.00
27) Perylene-d12	25.49	264	165261	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.75	112	17552	0.95	ng	0.03
4) Phenol-d6	8.88	99	22331	0.97	ng	0.04
8) Nitrobenzene-d5	10.80	82	16468	0.96	ng	0.01
14) 2,4,6-Tribromophenol	18.52	330	2932	0.86	ng	0.01
15) 2-Fluorobiphenyl	15.07	172	26064	1.02	ng	0.00
22) Terphenyl-d14	22.43	244	25876	1.08	ng	0.00

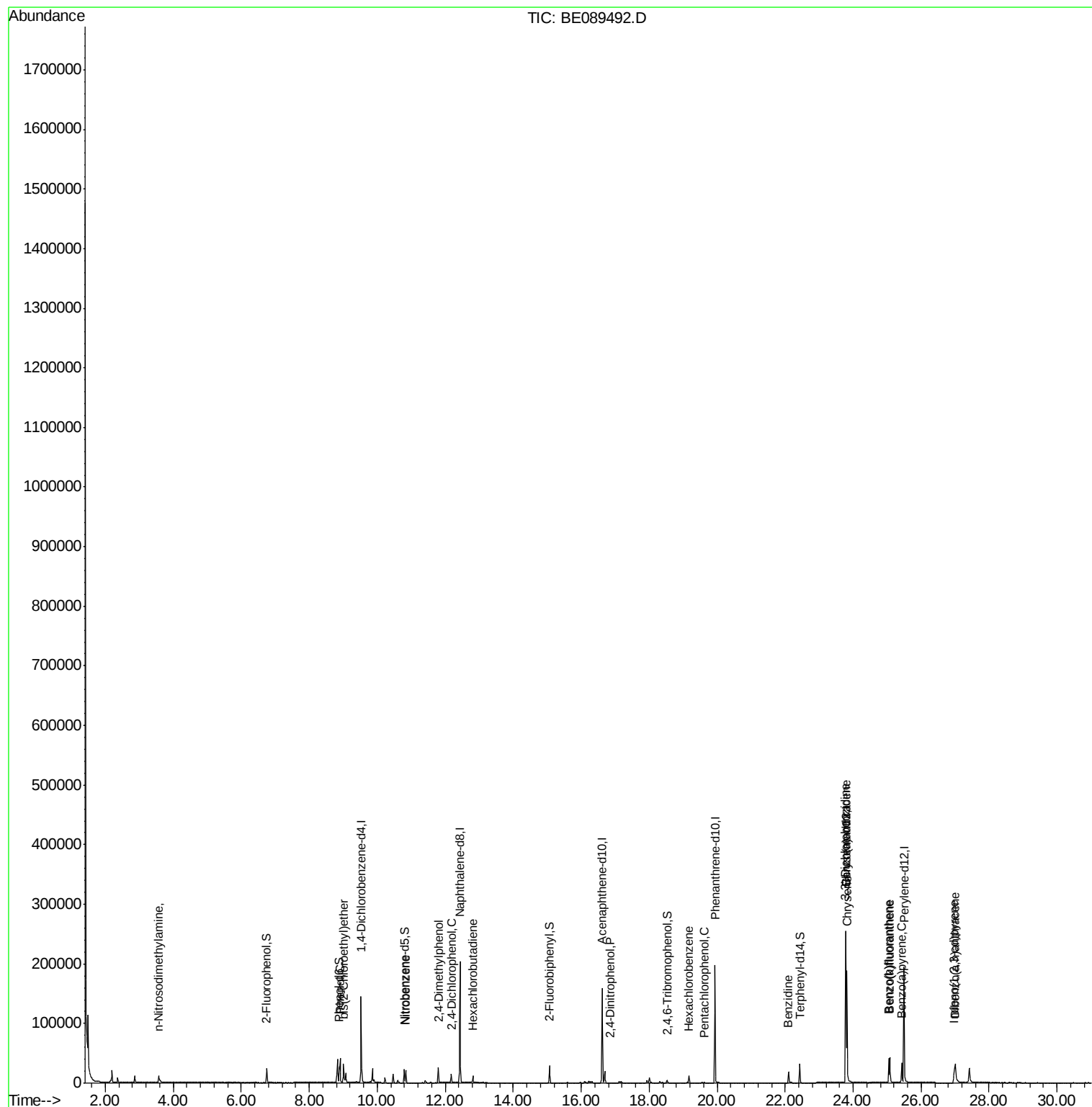
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.56	42	10174	0.95	ng	# 98
5) Phenol	8.91	94	21804m	0.86	ng	
6) bis(2-Chloroethyl)ether	9.01	93	17716	0.97	ng	# 97
9) Nitrobenzene	10.84	77	19242	0.98	ng	98
10) 2,4-Dimethylphenol	11.80	122	13701	0.97	ng	94
11) 2,4-Dichlorophenol	12.18	162	10394	0.99	ng	89
12) Hexachlorobutadiene	12.81	225	6970	0.99	ng	99
16) 2,4-Dinitrophenol	16.86	184	132	0.62	ng	88
18) Hexachlorobenzene	19.18	284	9525	1.01	ng	100
19) Pentachlorophenol	19.62	266	652	0.68	ng	95
21) Benzidine	22.10	184	20245	2.48	ng	96
23) Benzo(a)anthracene	23.77	228	155628	1.04	ng	96
24) 3,3'-Dichlorobenzidine	23.77	252	13520	1.06	ng	98
25) Chrysene	23.82	228	155010	0.99	ng	92
26) Indeno(1,2,3-cd)pyrene	26.98	276	43702	1.11	ng	99
28) Benzo(b)fluoranthene	25.05	252	32805	1.03	ng	99
29) Benzo(k)fluoranthene	25.08	252	42624	0.99	ng	100
30) Benzo(a)pyrene	25.43	252	33849	1.07	ng	99
31) Dibenzo(a,h)anthracene	27.01	278	38417	1.11	ng	98

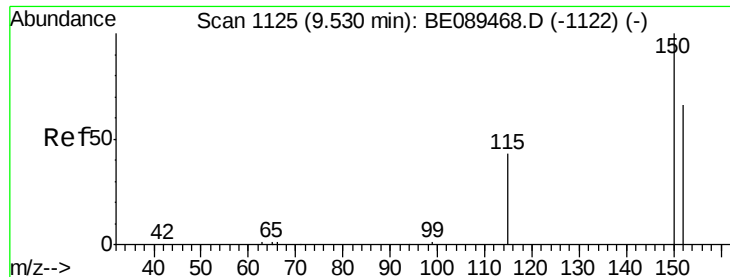
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_E
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Quant Time: Feb 04 12:37:01 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: BE089492.D

Acq: 4 Feb 2015 11:43

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

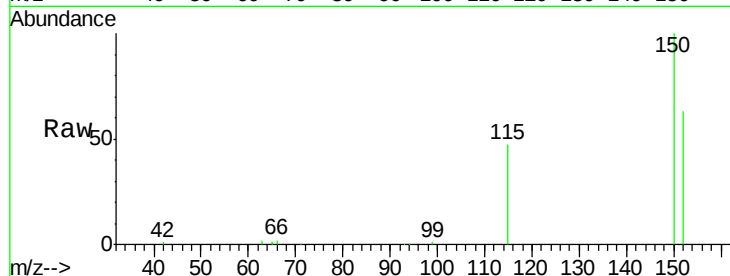
Tgt Ion:152 Resp: 56972

Ion Ratio Lower Upper

152 100

150 159.4 122.1 183.1

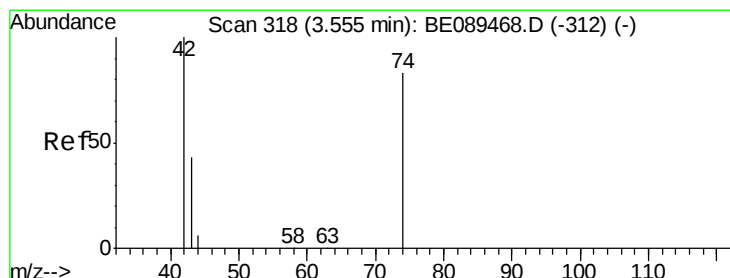
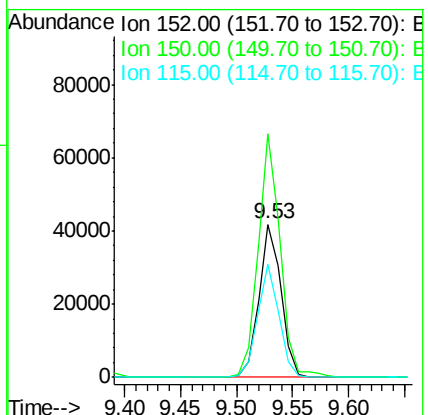
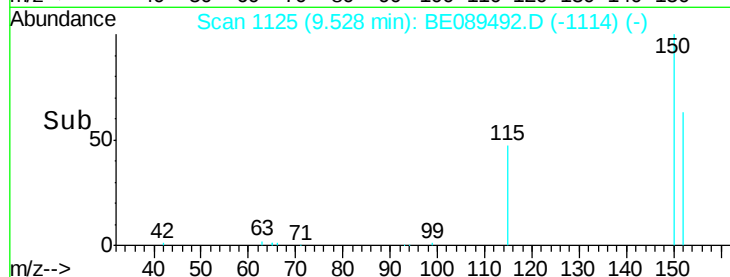
115 74.3 53.2 79.8



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: 0.95 ng

RT: 3.56 min Scan# 319

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

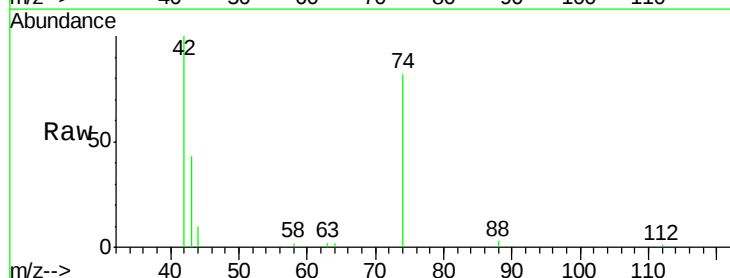
Tgt Ion: 42 Resp: 10174

Ion Ratio Lower Upper

42 100

74 81.7 65.4 98.2

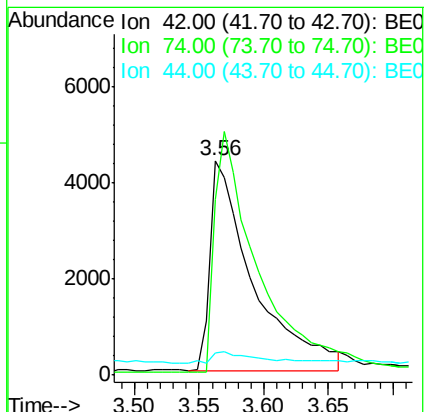
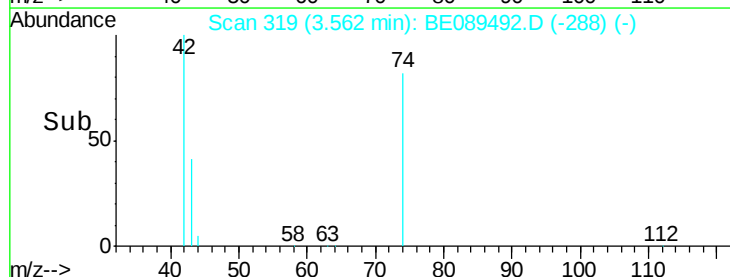
44 10.4 11.7 17.5#

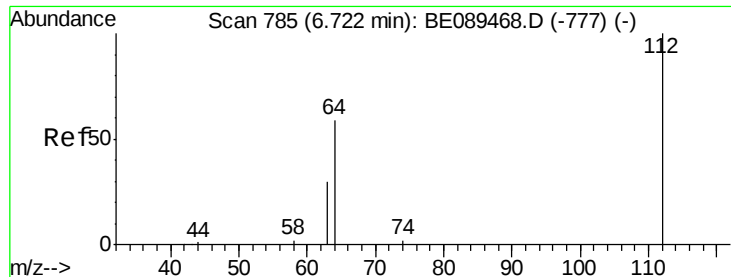


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

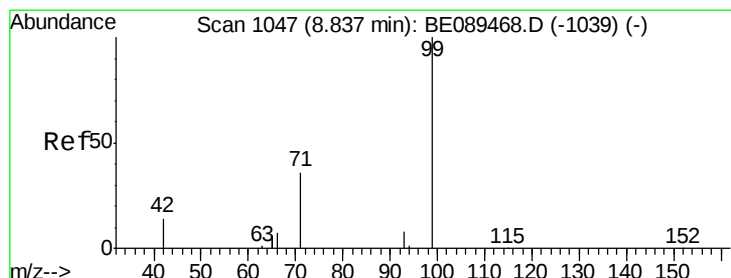
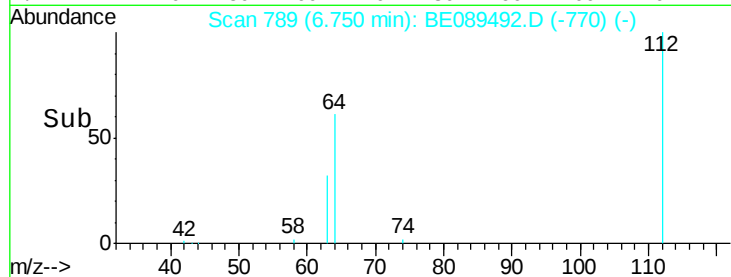
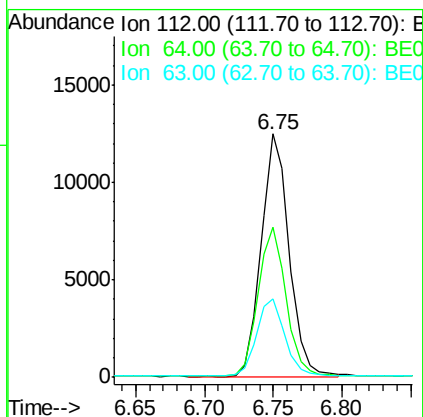
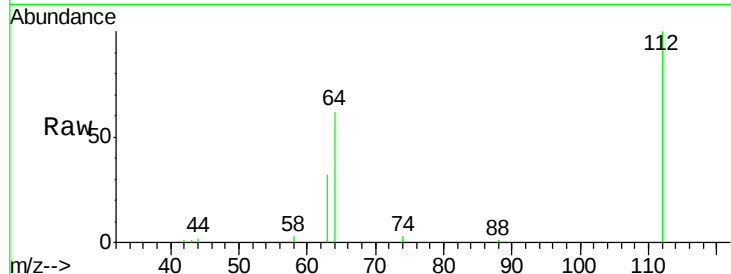




#3
 2-Fluorophenol
 Concen: 0.95 ng
 RT: 6.75 min Scan# 789
 Delta R.T. 0.03 min
 Lab File: BE089492.D
 Acq: 4 Feb 2015 11:43

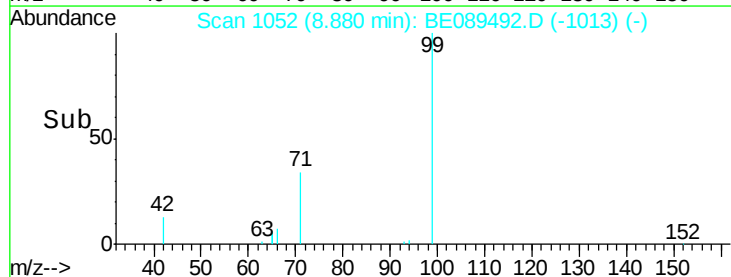
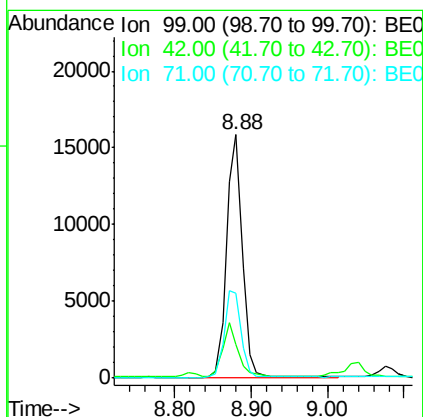
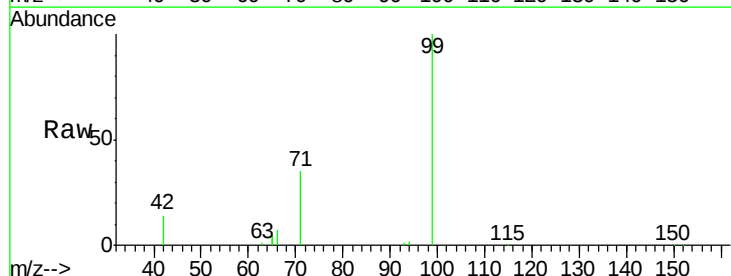
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

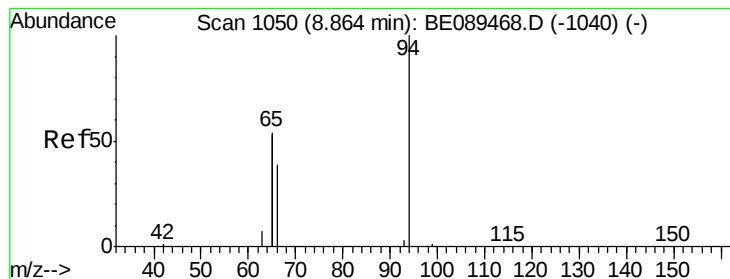
Tgt Ion: 112 Resp: 17552
 Ion Ratio Lower Upper
 112 100
 64 61.6 47.0 70.6
 63 32.3 24.2 36.2



#4
 Phenol-d6
 Concen: 0.97 ng
 RT: 8.88 min Scan# 1052
 Delta R.T. 0.04 min
 Lab File: BE089492.D
 Acq: 4 Feb 2015 11:43

Tgt Ion: 99 Resp: 22331
 Ion Ratio Lower Upper
 99 100
 42 13.9 11.8 17.6
 71 34.7 28.7 43.1





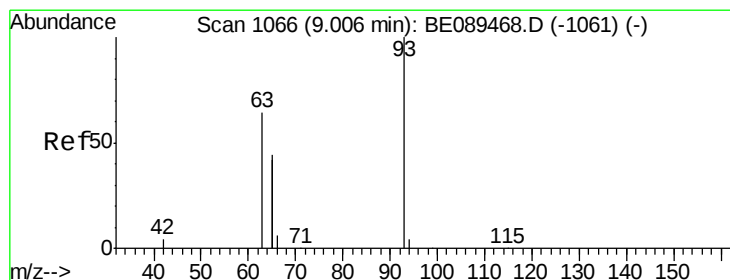
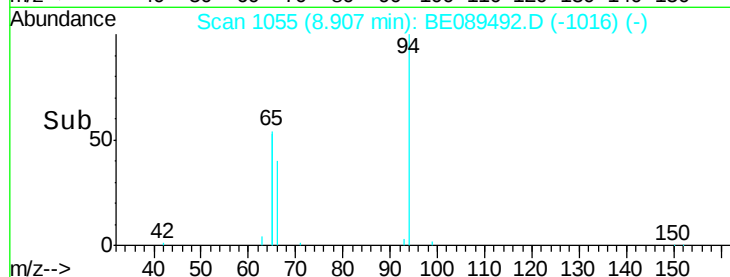
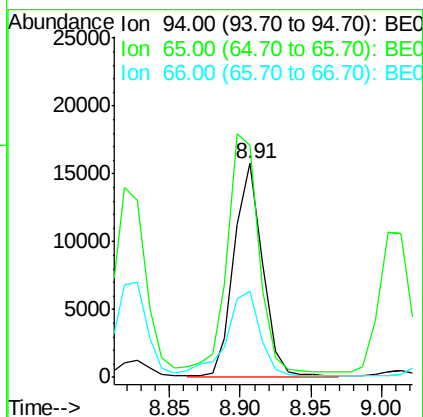
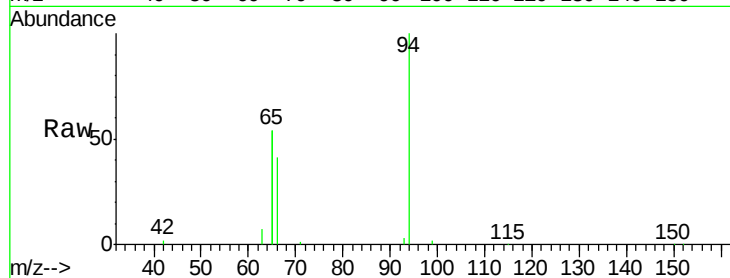
#5

Phenol

Concen: 0.86 ng m
 RT: 8.91 min Scan# 1055
 Delta R.T. 0.04 min
 Lab File: BE089492.D
 Acq: 4 Feb 2015 11:43

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion: 94 Resp: 21804
 Ion Ratio Lower Upper
 94 100
 65 54.2 33.9 73.9
 66 40.5 19.1 59.1

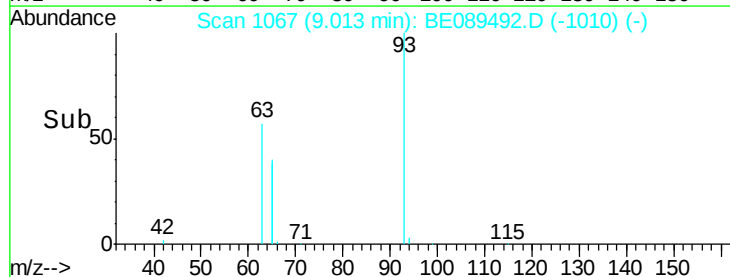
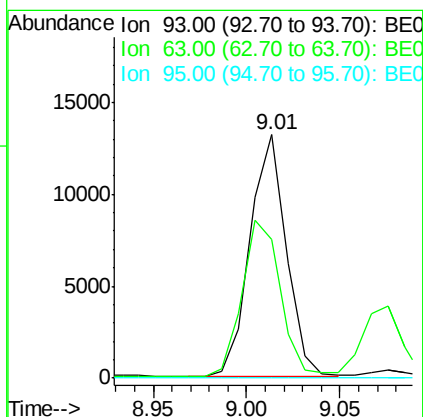
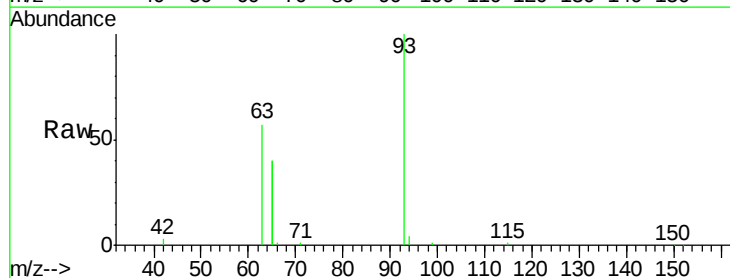


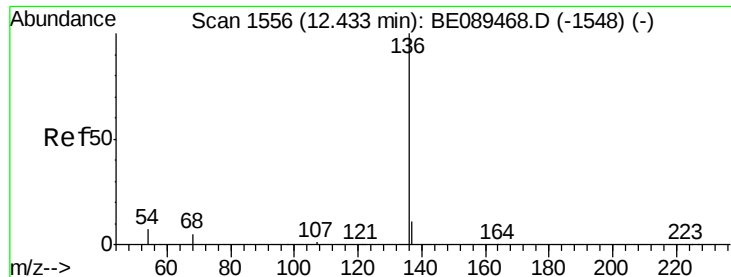
#6

bis(2-Chloroethyl)ether

Concen: 0.97 ng
 RT: 9.01 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: BE089492.D
 Acq: 4 Feb 2015 11:43

Tgt Ion: 93 Resp: 17716
 Ion Ratio Lower Upper
 93 100
 63 68.7 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: BE089492.D

Acq: 4 Feb 2015 11:43

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

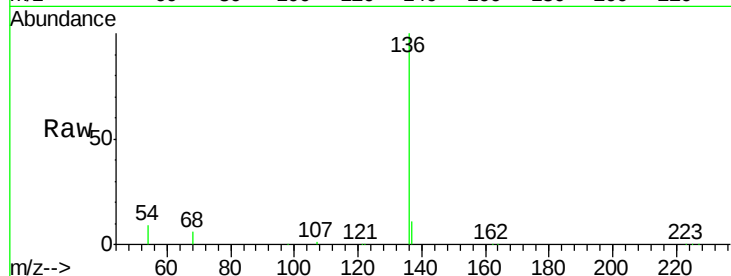
Tgt Ion: 136 Resp: 226586

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

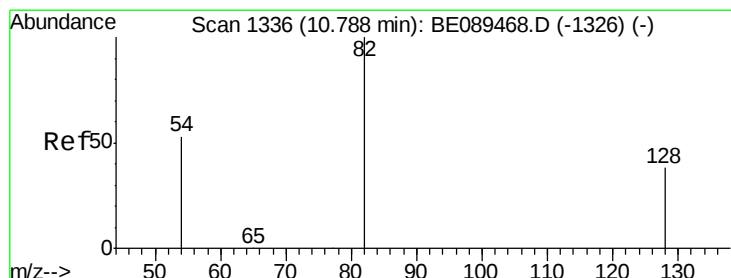
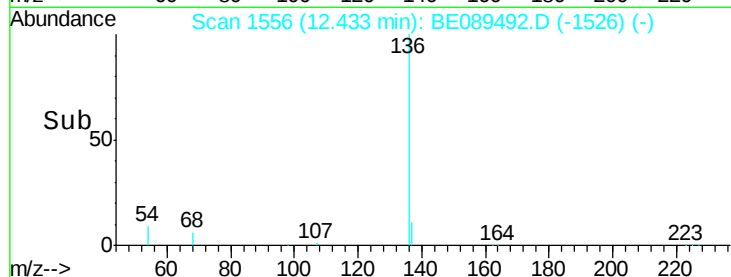
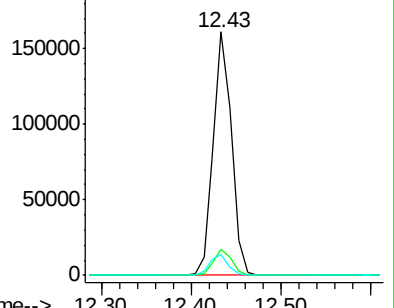
54 8.6 5.4 8.0#



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: 0.96 ng

RT: 10.80 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

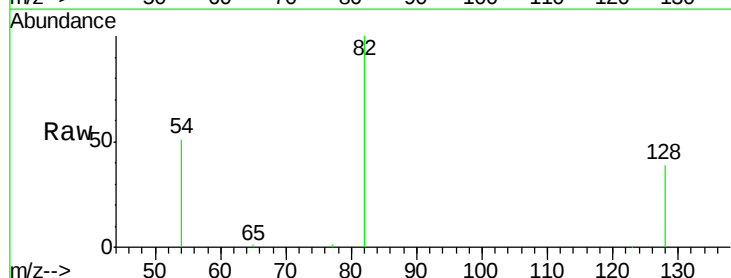
Tgt Ion: 82 Resp: 16468

Ion Ratio Lower Upper

82 100

128 38.6 30.3 45.5

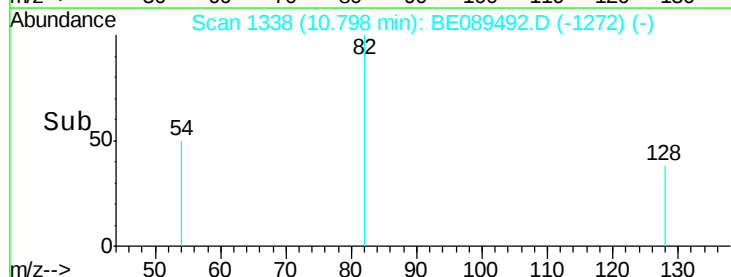
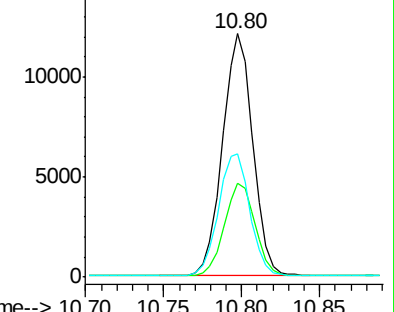
54 50.6 43.1 64.7

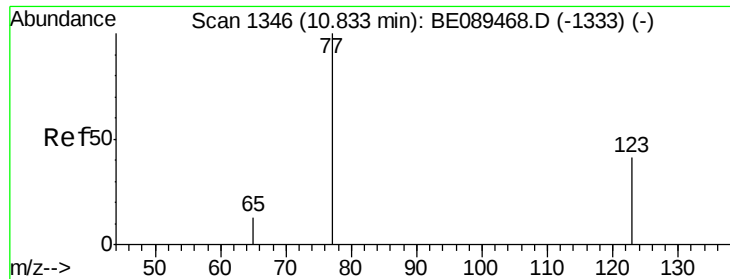


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.98 ng

RT: 10.84 min Scan# 1347

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

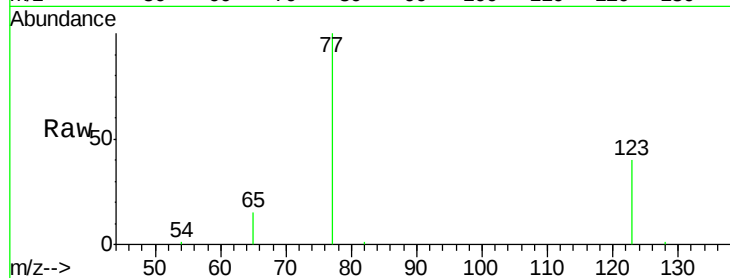
Tgt Ion: 77 Resp: 19242

Ion Ratio Lower Upper

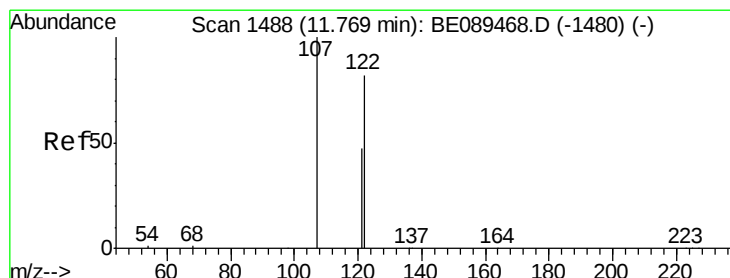
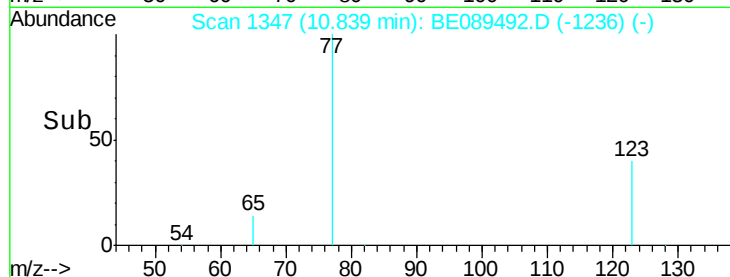
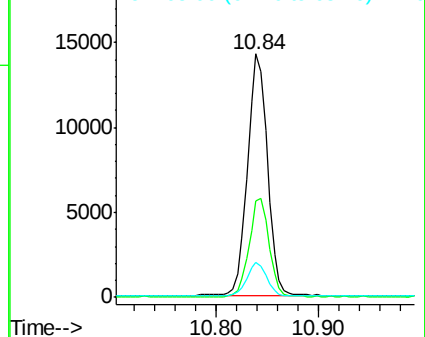
77 100

123 40.5 33.4 50.0

65 13.8 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: 11.80 min Scan# 1491

Delta R.T. 0.03 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

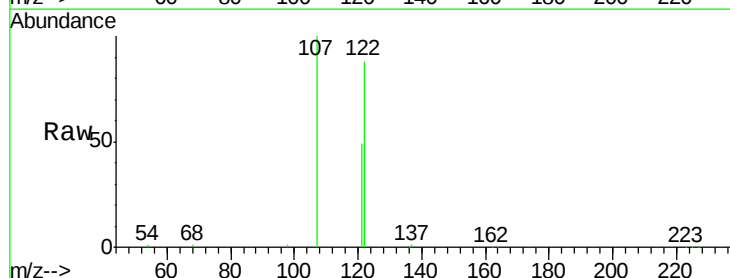
Tgt Ion: 122 Resp: 13701

Ion Ratio Lower Upper

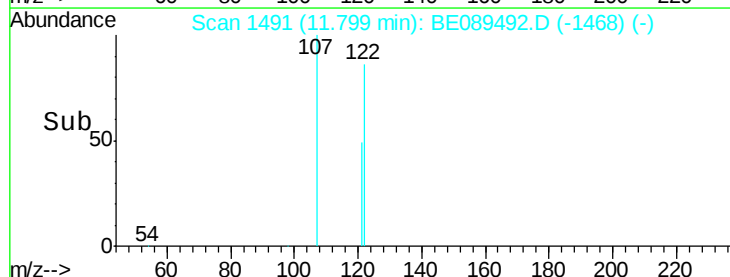
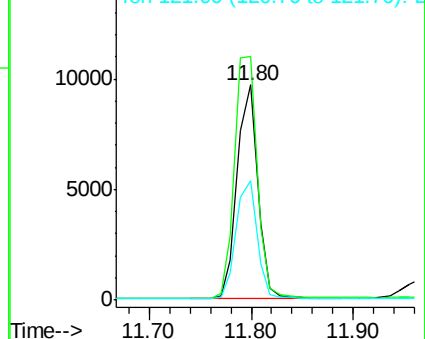
122 100

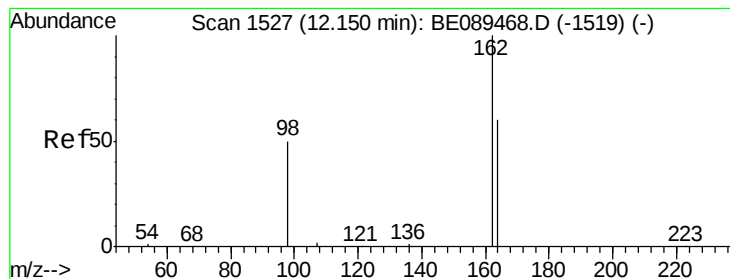
107 113.3 97.3 145.9

121 55.4 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: 0.99 ng

RT: 12.18 min Scan# 1530

Delta R.T. 0.03 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

Instrument :

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SSTDCCC001

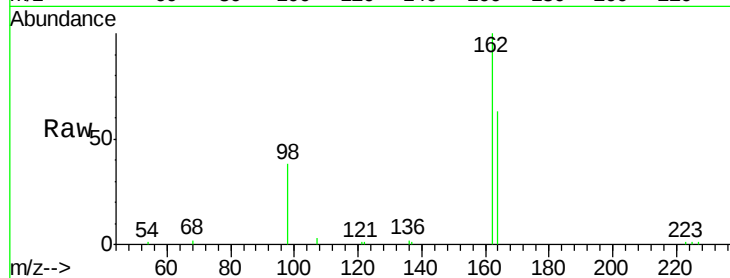
Tgt Ion:162 Resp: 10394

Ion Ratio Lower Upper

162 100

164 62.6 39.9 79.9

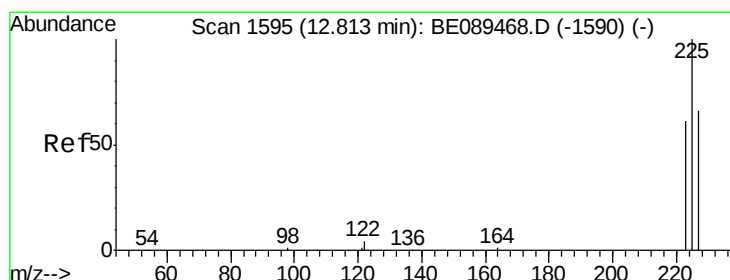
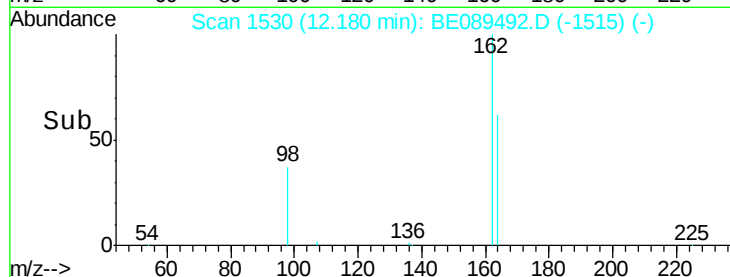
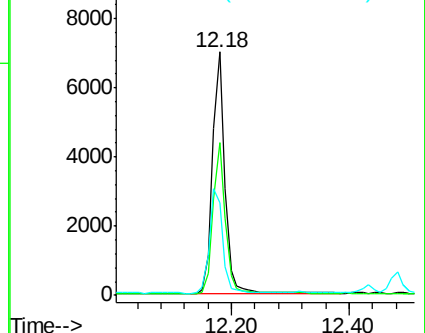
98 37.9 31.3 71.3



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): BE0



#12

Hexachlorobutadiene

Concen: 0.99 ng

RT: 12.81 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

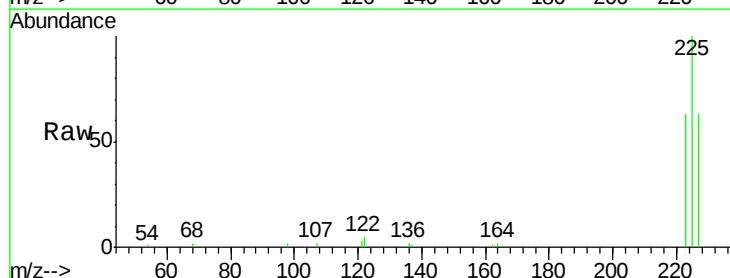
Tgt Ion:225 Resp: 6970

Ion Ratio Lower Upper

225 100

223 63.9 49.4 74.0

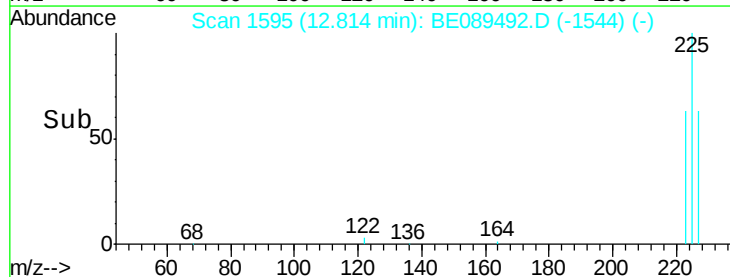
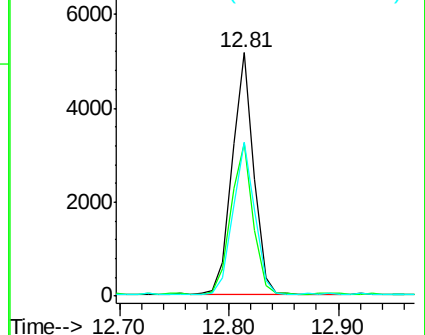
227 63.9 51.2 76.8

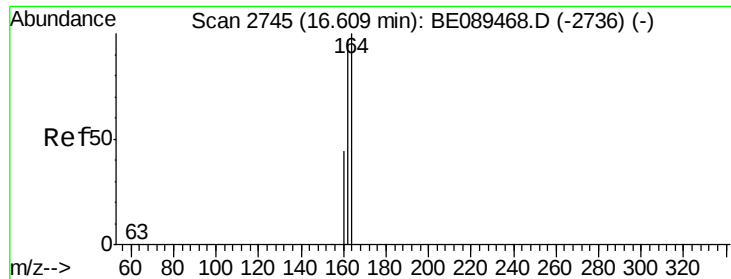


Abundance Ion 225.00 (224.70 to 225.70): E

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: BE089492.D

Acq: 4 Feb 2015 11:43

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SSTDCCC001

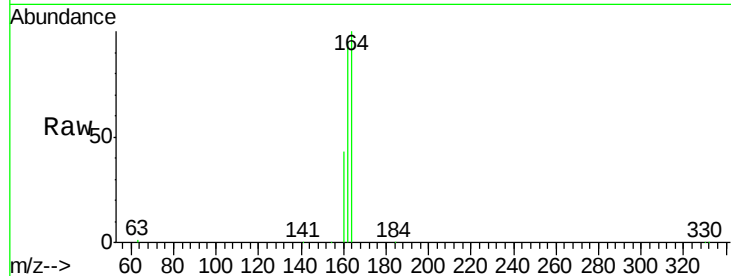
Tgt Ion:164 Resp: 96844

Ion Ratio Lower Upper

164 100

162 95.1 77.6 116.4

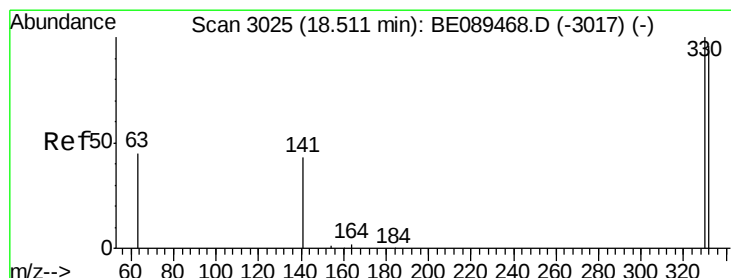
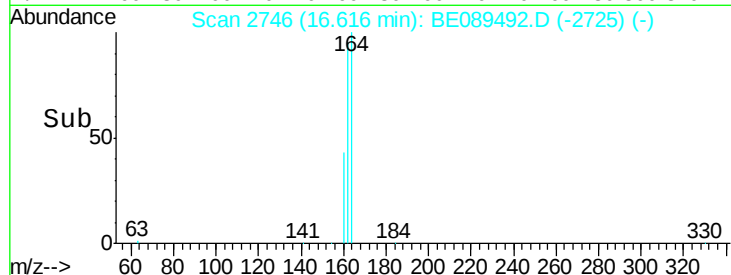
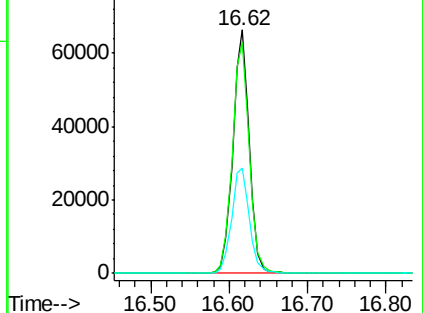
160 43.4 35.6 53.4



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: 0.86 ng

RT: 18.52 min Scan# 3027

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

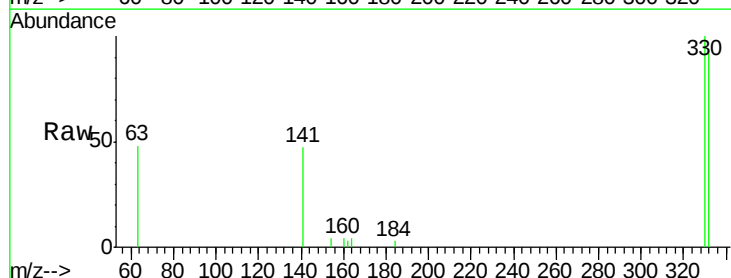
Tgt Ion:330 Resp: 2932

Ion Ratio Lower Upper

330 100

332 92.8 78.0 117.0

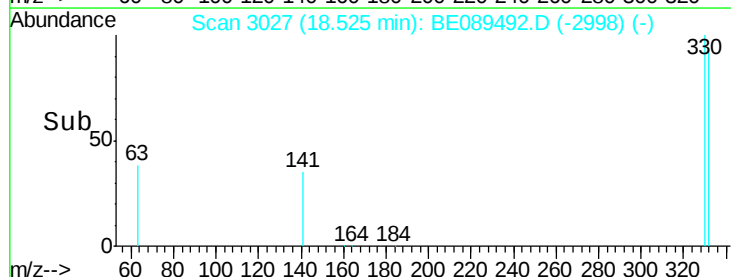
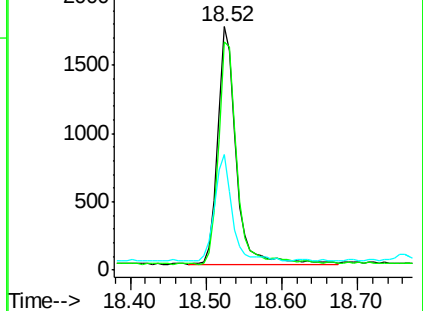
141 43.1 33.8 50.6

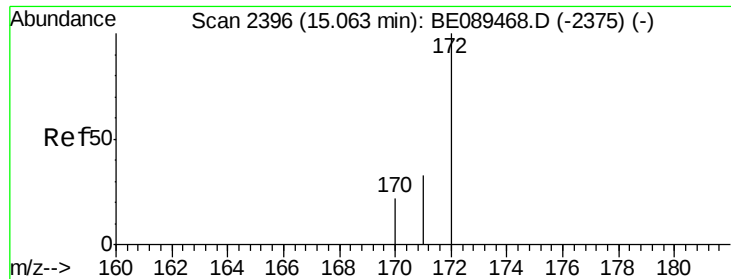


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

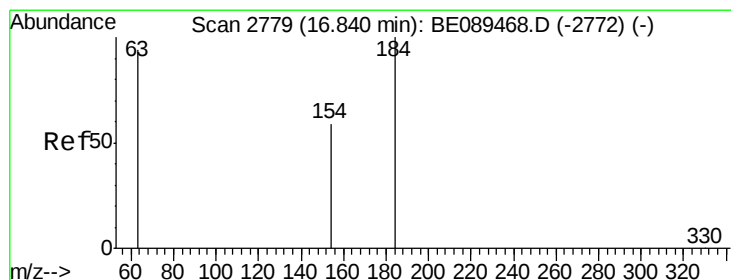
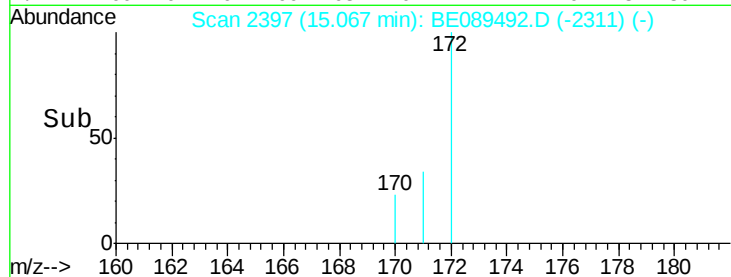
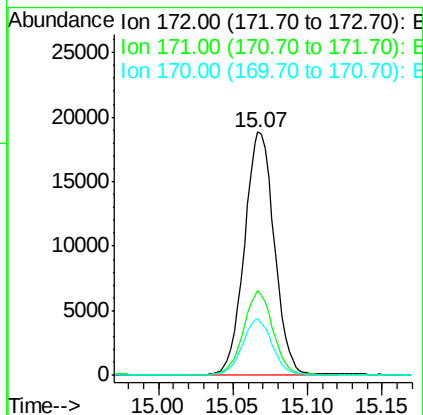
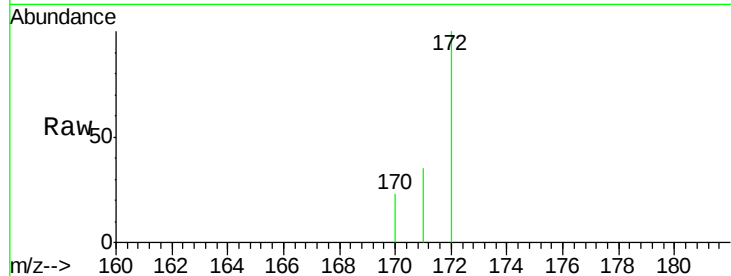




#15
2-Fluorobiphenyl
Concen: 1.02 ng
RT: 15.07 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BE089492.D
Acq: 4 Feb 2015 11:43

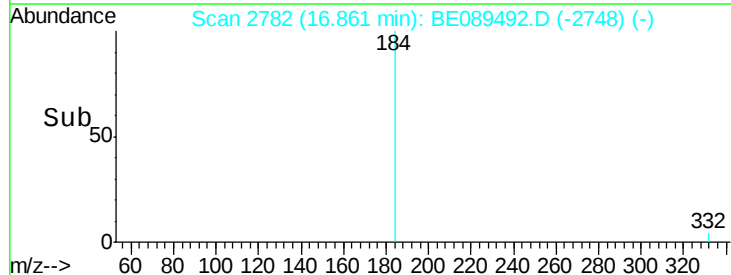
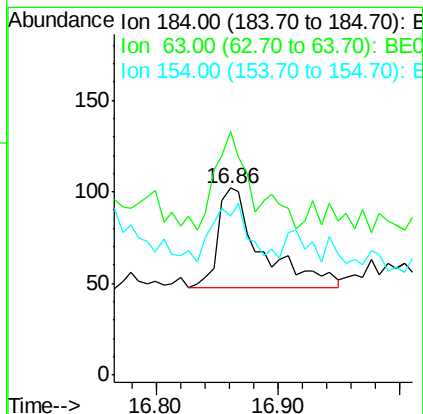
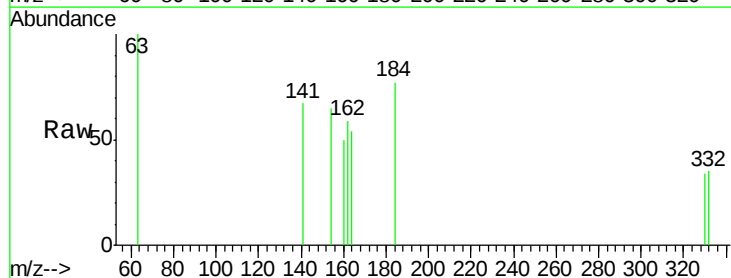
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

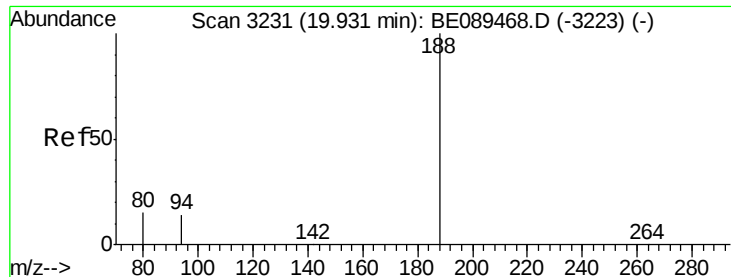
Tgt Ion:172 Resp: 26064
Ion Ratio Lower Upper
172 100
171 34.7 26.8 40.2
170 23.0 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 0.62 ng
RT: 16.86 min Scan# 2782
Delta R.T. 0.02 min
Lab File: BE089492.D
Acq: 4 Feb 2015 11:43

Tgt Ion:184 Resp: 132
Ion Ratio Lower Upper
184 100
63 130.4 92.1 138.1
154 85.3 61.4 92.2

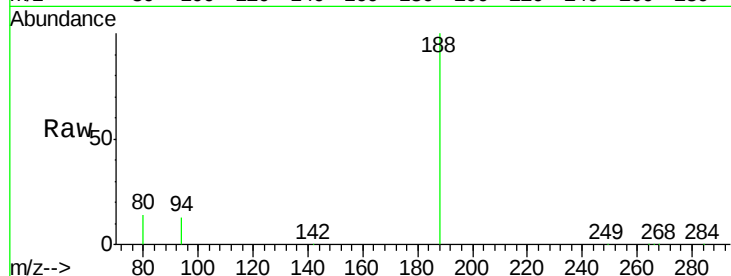




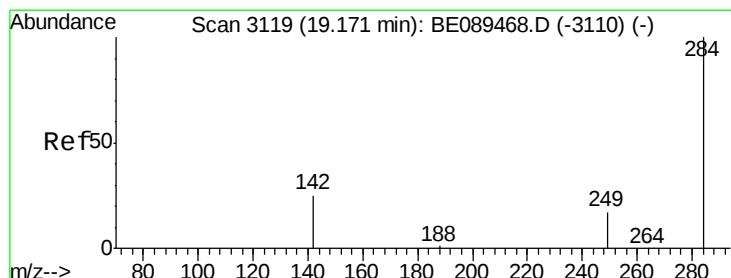
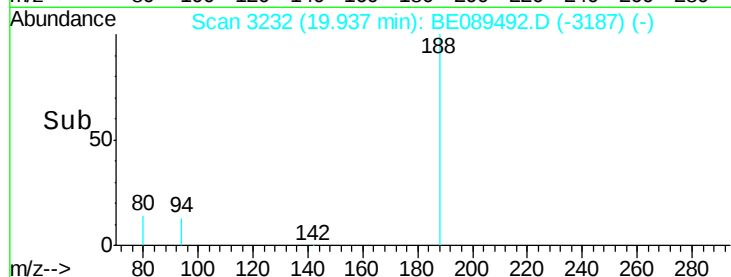
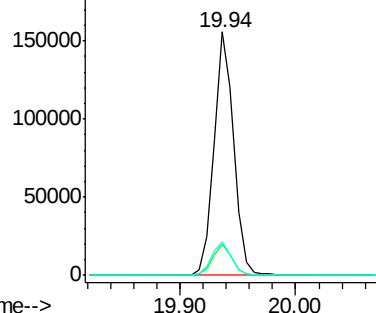
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.94 min Scan# 3232
Delta R.T. 0.01 min
Lab File: BE089492.D
Acq: 4 Feb 2015 11:43

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion:188 Resp: 181968
Ion Ratio Lower Upper
188 100
94 12.9 11.1 16.7
80 14.0 11.8 17.6

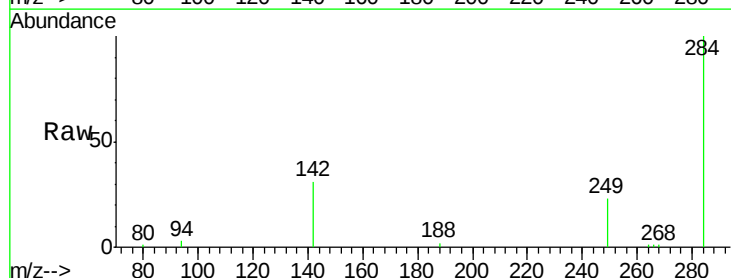


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

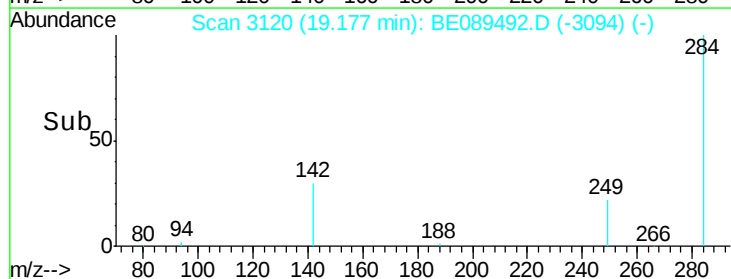
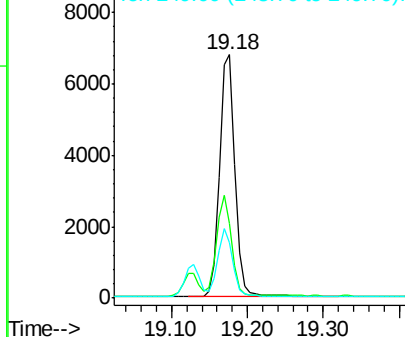


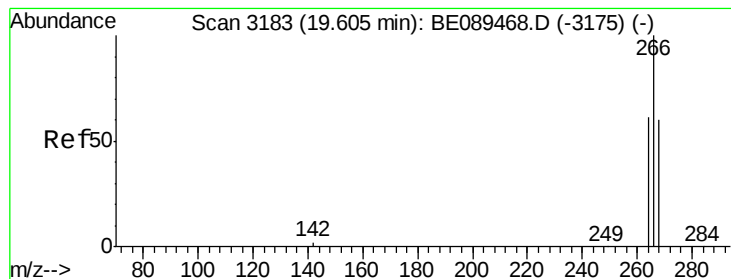
#18
Hexachlorobenzene
Concen: 1.01 ng
RT: 19.18 min Scan# 3120
Delta R.T. 0.01 min
Lab File: BE089492.D
Acq: 4 Feb 2015 11:43

Tgt Ion:284 Resp: 9525
Ion Ratio Lower Upper
284 100
142 30.8 24.4 36.6
249 22.6 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

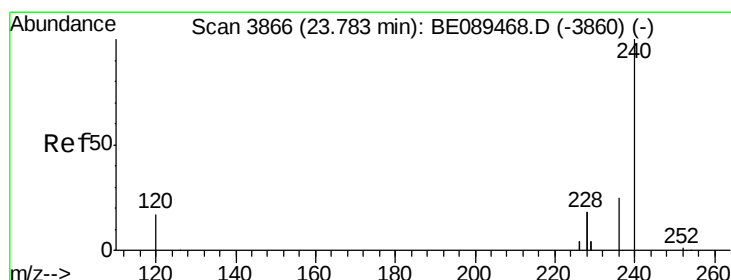
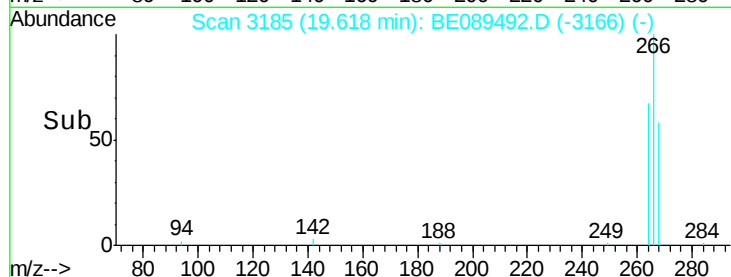
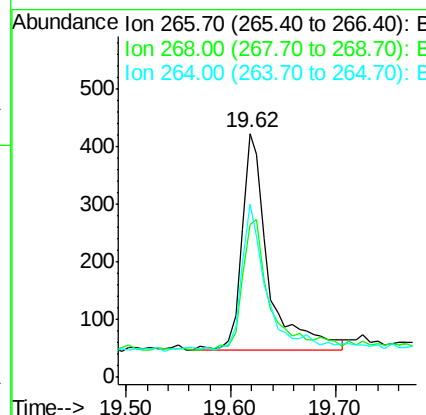
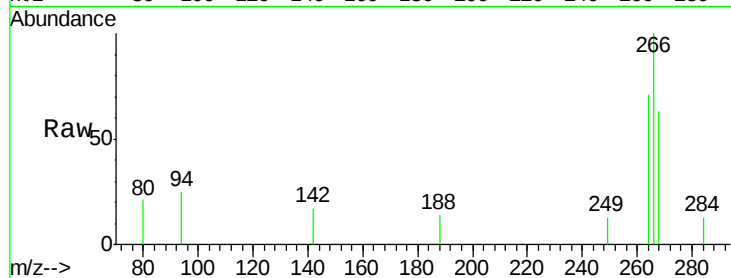




#19
 Pentachlorophenol
 Concen: 0.68 ng
 RT: 19.62 min Scan# 3185
 Delta R.T. 0.01 min
 Lab File: BE089492.D
 Acq: 4 Feb 2015 11:43

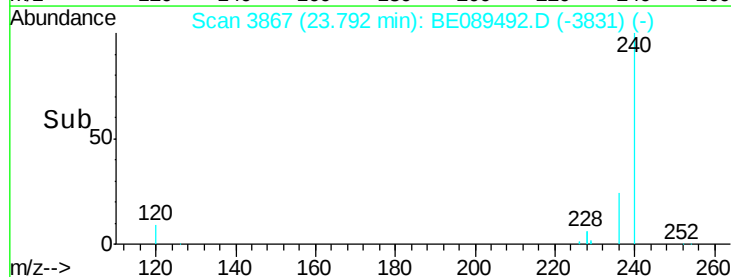
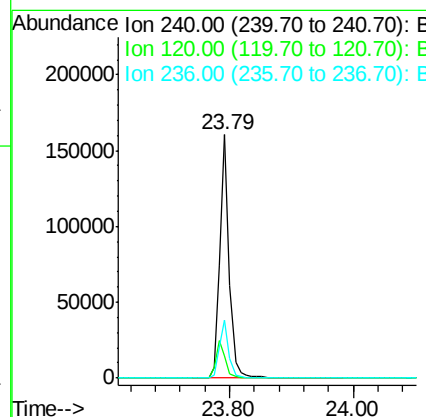
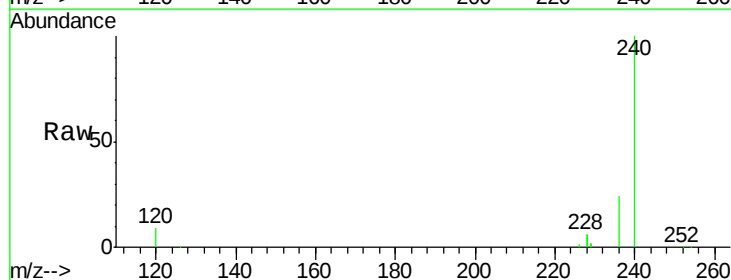
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

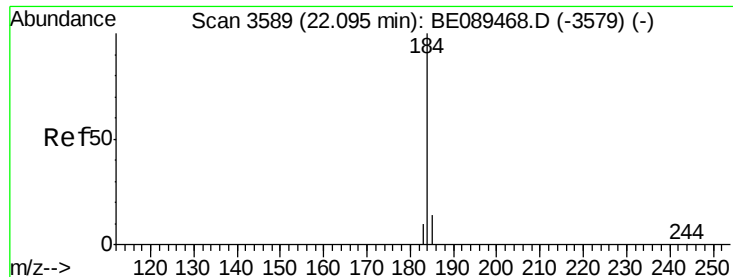
Tgt Ion: 266 Resp: 652
 Ion Ratio Lower Upper
 266 100
 268 62.9 50.0 75.0
 264 70.9 50.6 75.8



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.79 min Scan# 3867
 Delta R.T. 0.01 min
 Lab File: BE089492.D
 Acq: 4 Feb 2015 11:43

Tgt Ion: 240 Resp: 168704
 Ion Ratio Lower Upper
 240 100
 120 8.9 13.8 20.6#
 236 23.8 20.2 30.2





#21

Benzidine

Concen: 2.48 ng

RT: 22.10 min Scan# 3590

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

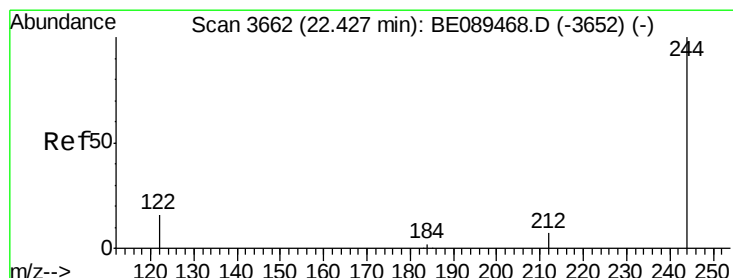
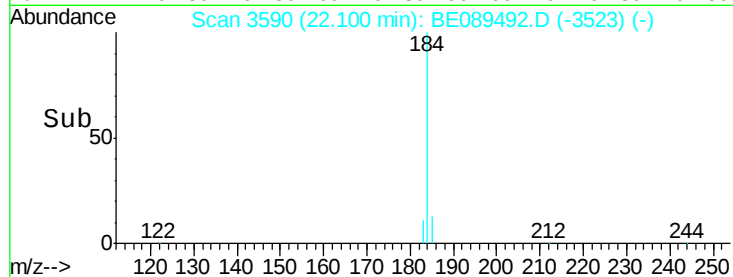
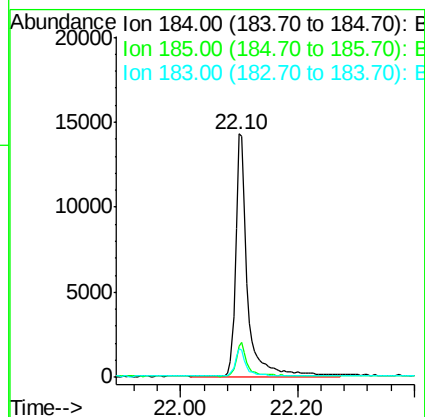
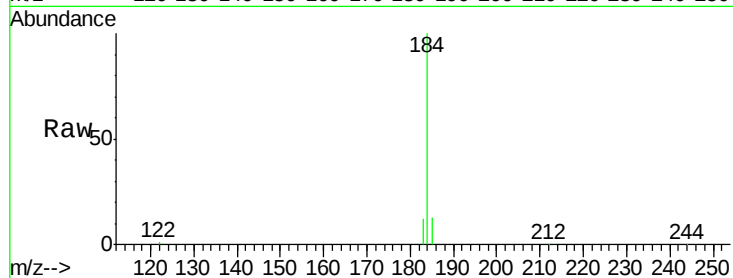
Tgt Ion:184 Resp: 20245

Ion Ratio Lower Upper

184 100

185 13.0 12.0 18.0

183 11.8 9.0 13.4



#22

Terphenyl-d14

Concen: 1.08 ng

RT: 22.43 min Scan# 3663

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

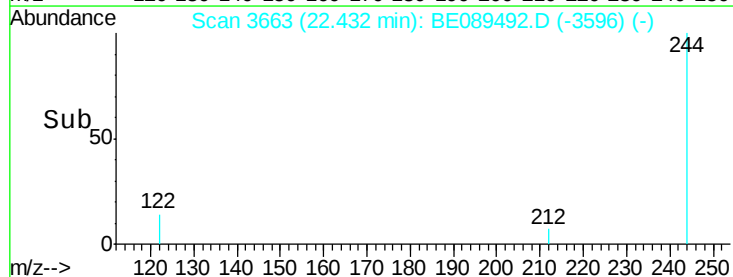
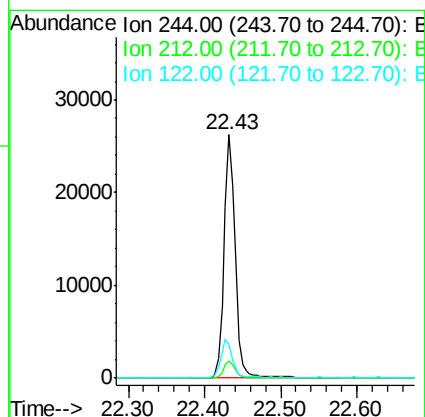
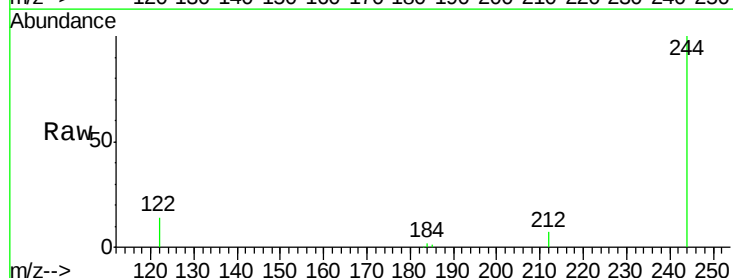
Tgt Ion:244 Resp: 25876

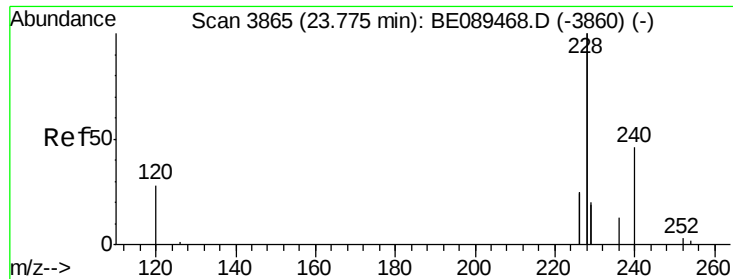
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 14.0 12.6 19.0





#23

Benzo(a)anthracene

Concen: 1.04 ng

RT: 23.77 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

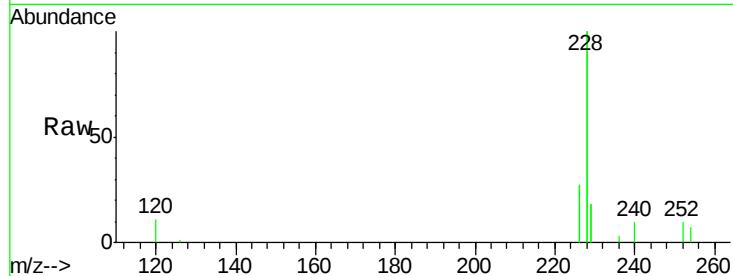
Tgt Ion:228 Resp: 155628

Ion Ratio Lower Upper

228 100

226 27.1 19.6 29.4

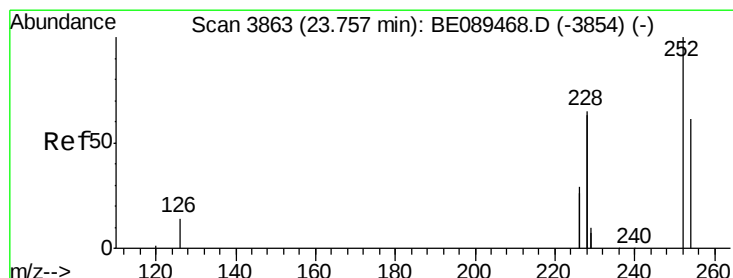
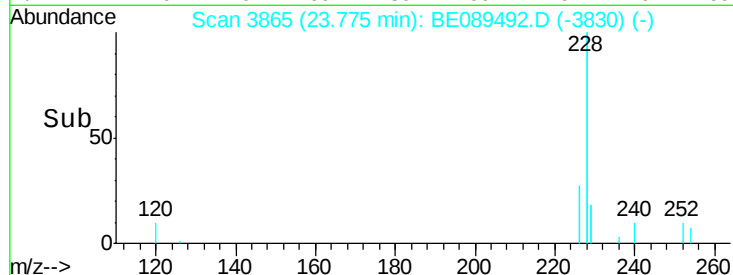
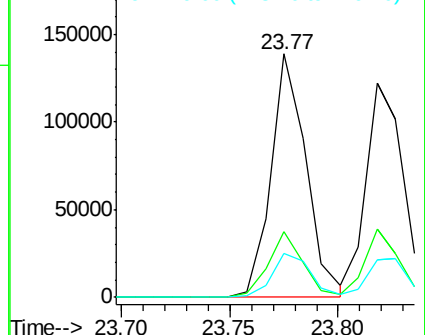
229 18.3 15.9 23.9



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: 1.06 ng

RT: 23.77 min Scan# 3864

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

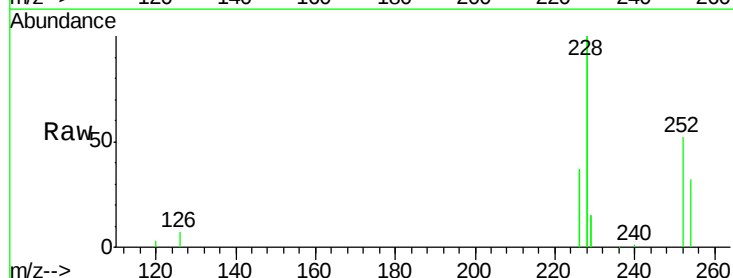
Tgt Ion:252 Resp: 13520

Ion Ratio Lower Upper

252 100

254 61.4 48.6 73.0

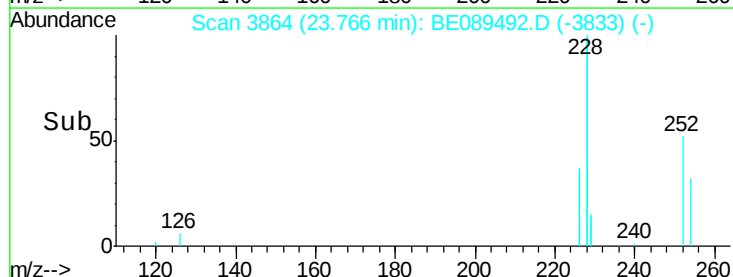
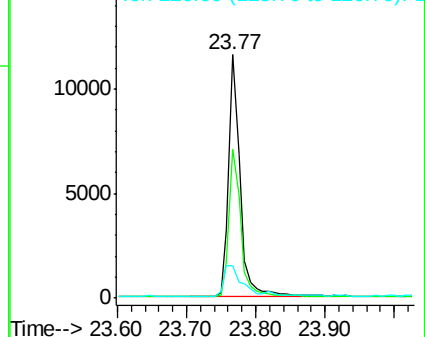
126 13.2 12.4 18.6

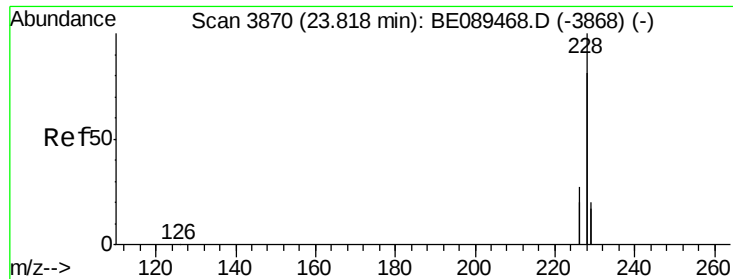


Abundance Ion 252.00 (251.70 to 252.70): E

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# 3870

Delta R.T. 0.00 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

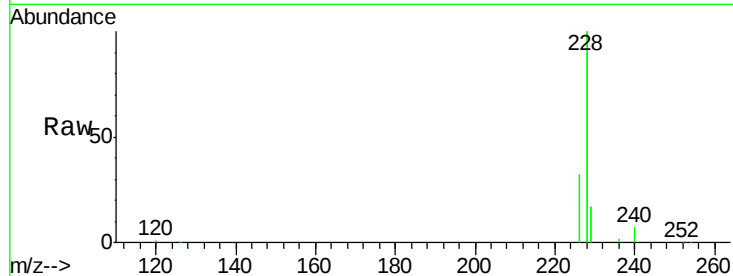
Tgt Ion:228 Resp: 155010

Ion Ratio Lower Upper

228 100

226 32.1 21.8 32.8

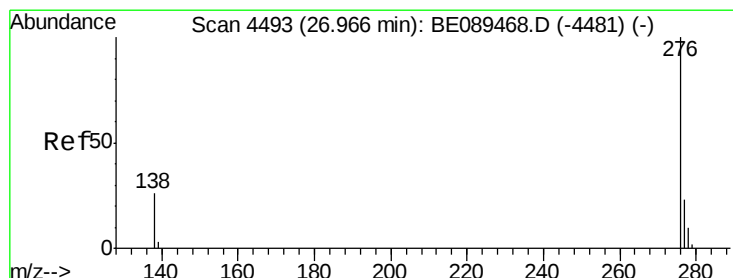
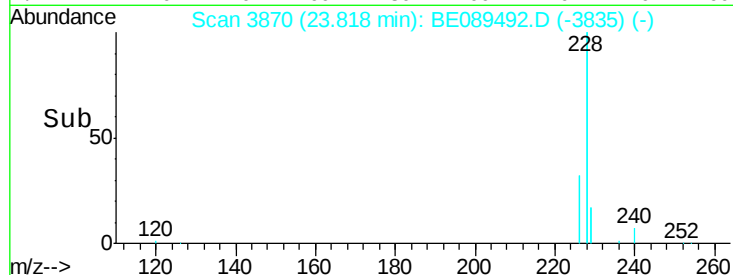
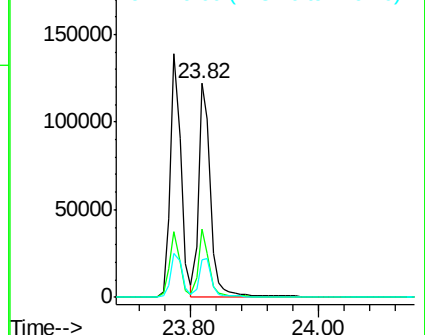
229 17.4 16.2 24.2



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: 1.11 ng

RT: 26.98 min Scan# 4495

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

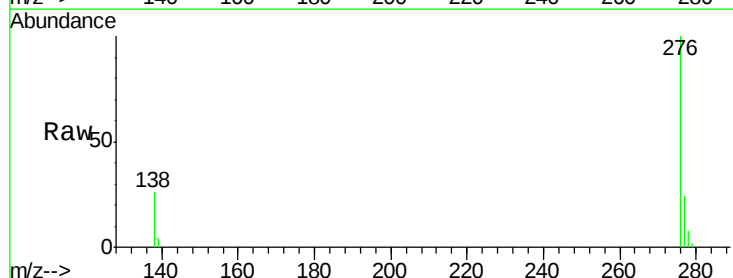
Tgt Ion:276 Resp: 43702

Ion Ratio Lower Upper

276 100

138 29.8 24.2 36.4

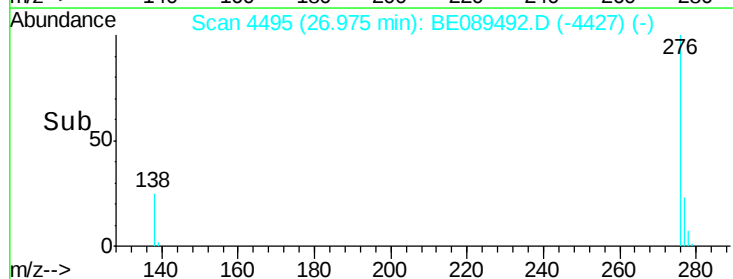
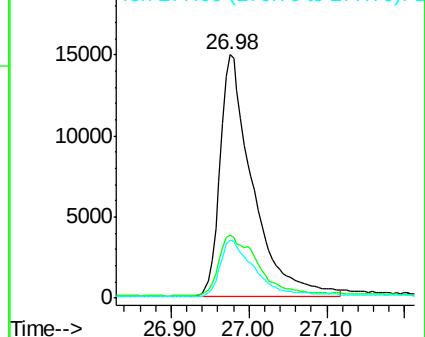
277 24.4 19.9 29.9

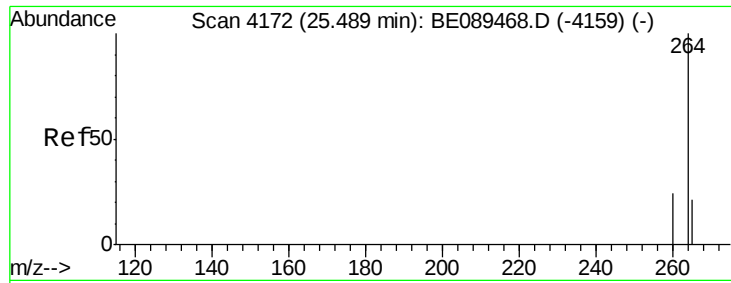


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

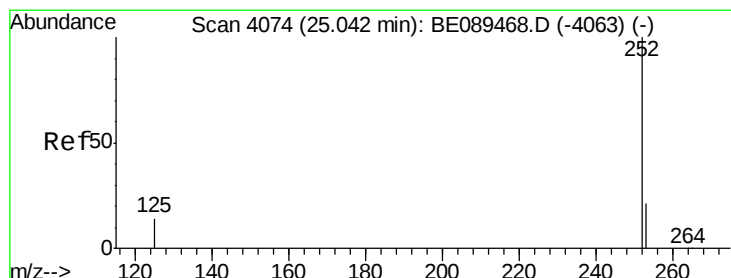
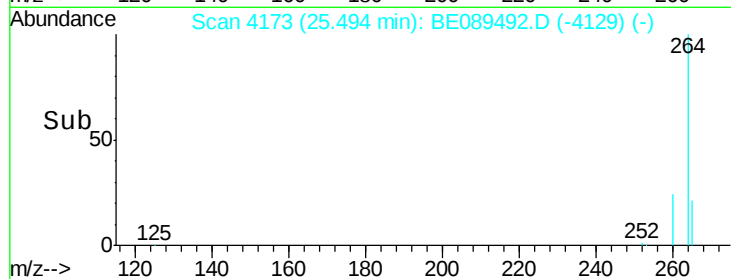
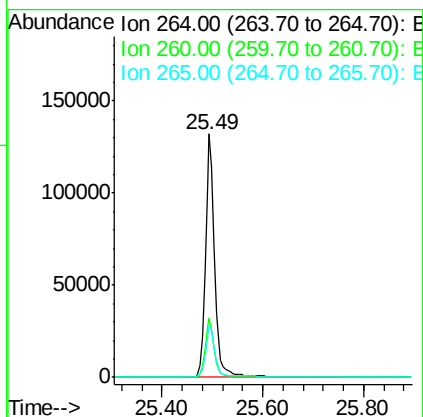
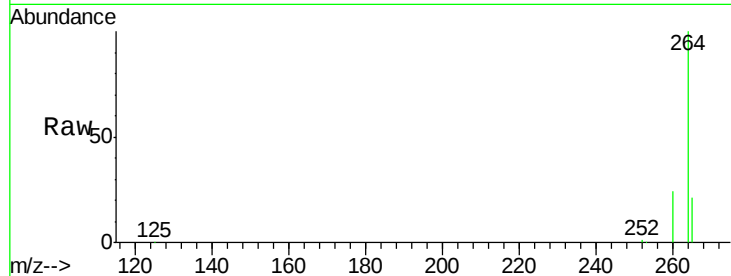




#27
Perylene-d12
Concen: 5.00 ng
RT: 25.49 min Scan# 4173
Delta R.T. 0.01 min
Lab File: BE089492.D
Acq: 4 Feb 2015 11:43

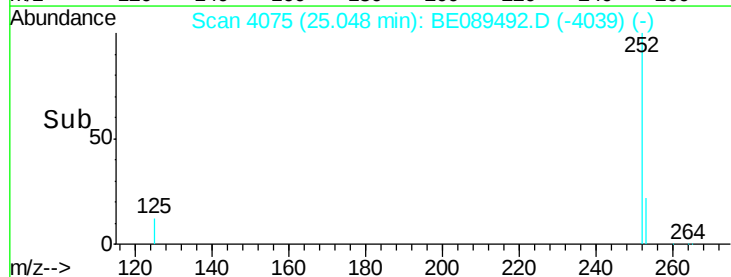
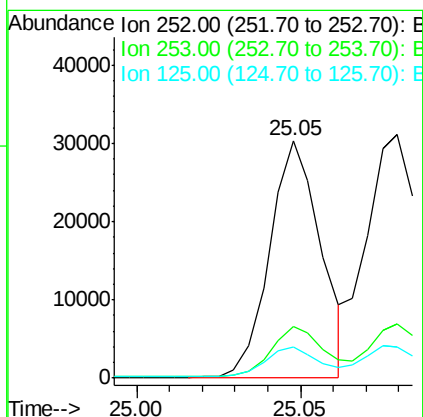
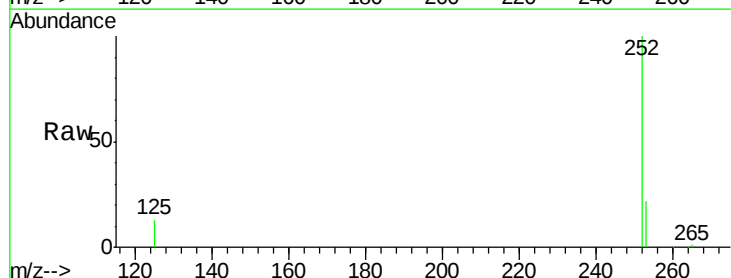
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

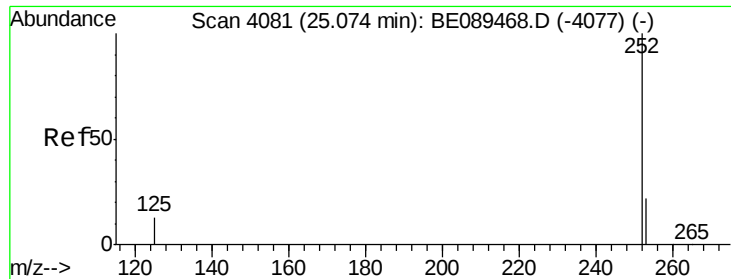
Tgt Ion: 264 Resp: 165261
Ion Ratio Lower Upper
264 100
260 24.2 19.1 28.7
265 21.3 17.0 25.6



#28
Benzo(b)fluoranthene
Concen: 1.03 ng
RT: 25.05 min Scan# 4075
Delta R.T. 0.01 min
Lab File: BE089492.D
Acq: 4 Feb 2015 11:43

Tgt Ion: 252 Resp: 32805
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 13.1 11.3 16.9





#29

Benzo(k)fluoranthene

Concen: 0.99 ng

RT: 25.08 min Scan# 4082

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

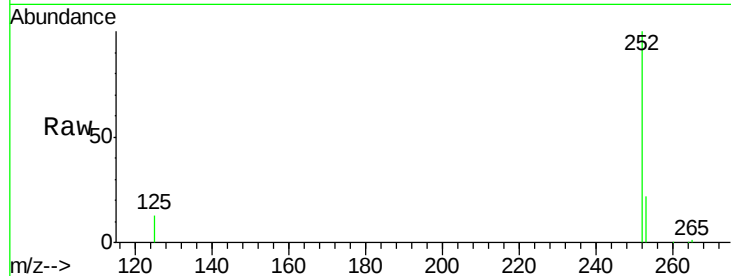
Tgt Ion:252 Resp: 42624

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

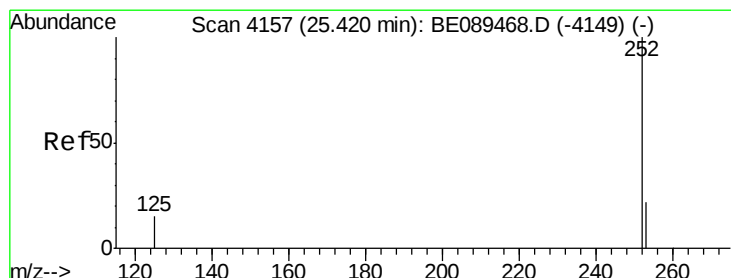
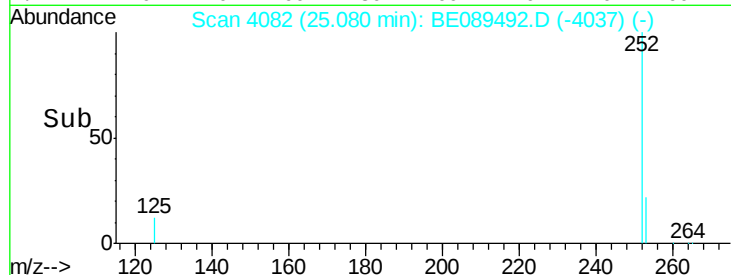
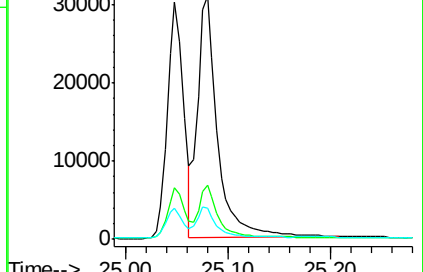
125 12.9 10.6 15.8



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: 1.07 ng

RT: 25.43 min Scan# 4158

Delta R.T. 0.01 min

Lab File: BE089492.D

Acq: 4 Feb 2015 11:43

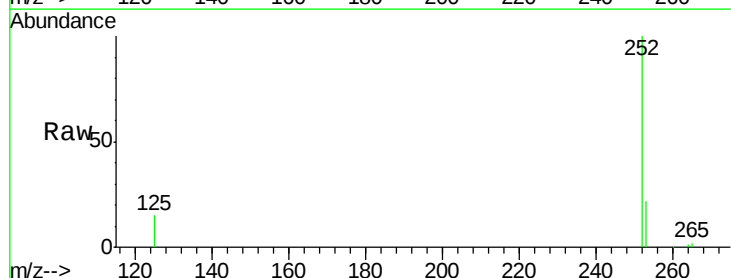
Tgt Ion:252 Resp: 33849

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

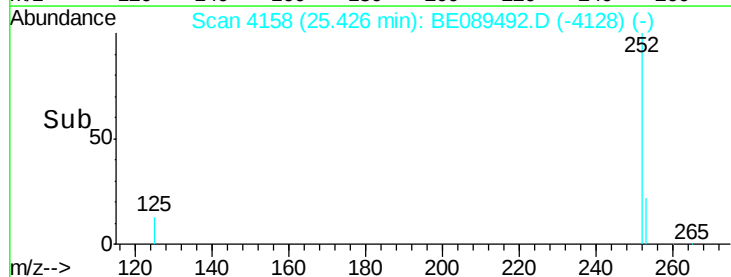
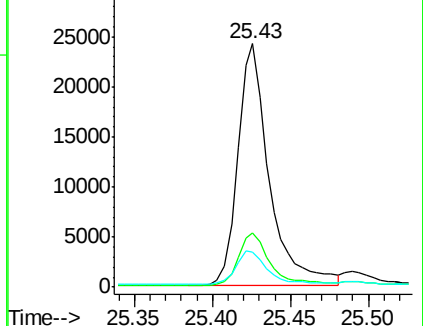
125 14.5 12.2 18.4

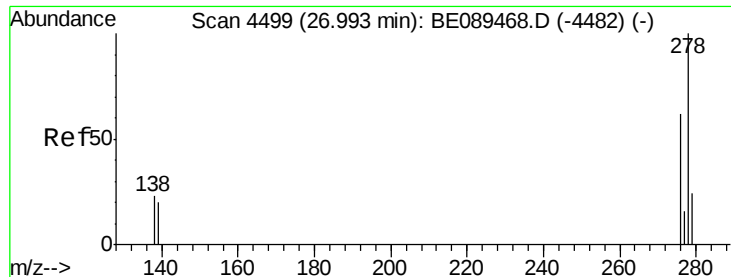


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 1.11 ng

RT: 27.01 min Scan# 4502

Delta R.T. 0.01 min

Lab File: BE089492.D

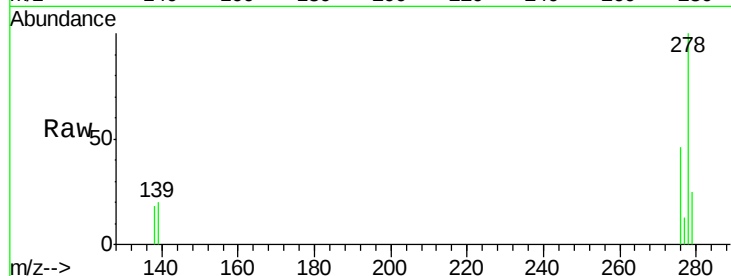
Acq: 4 Feb 2015 11:43

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



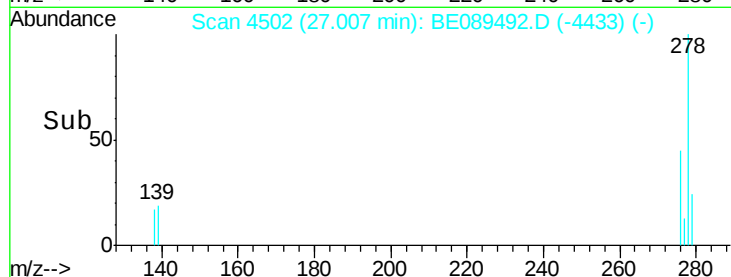
Tgt Ion: 278 Resp: 38417

Ion Ratio Lower Upper

278 100

139 19.8 16.8 25.2

279 24.8 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

