

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089459.D
 Acq On : 2 Feb 2015 17:10
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

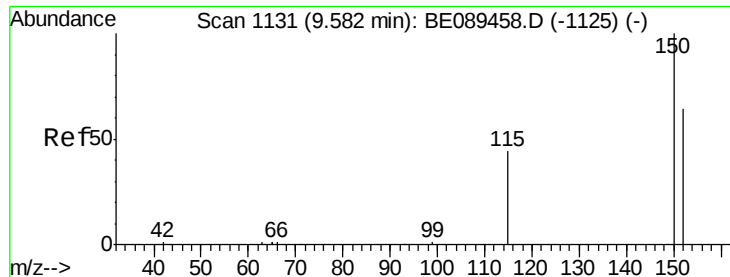
Quant Time: Feb 03 03:15:55 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 03 03:06:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	41137	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	155410	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	59516	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	110341	5.00	ng	0.00
20) Chrysene-d12	23.84	240	142598	5.00	ng	0.00
27) Perylene-d12	25.56	264	160045	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.75	112	10467	0.73	ng	0.00
4) Phenol-d6	8.87	99	12645	0.73	ng	0.00
8) Nitrobenzene-d5	10.85	82	8598	0.69	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	1080	0.54	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	12559	0.76	ng	0.00
22) Terphenyl-d14	22.48	244	13195	0.74	ng	0.00

Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.61	42	5392	0.73	ng	# 80
5) Phenol	8.90	94	13435	0.71	ng	95
6) bis(2-Chloroethyl)ether	9.06	93	9774	0.70	ng	# 97
9) Nitrobenzene	10.89	77	9902	0.69	ng	100
10) 2,4-Dimethylphenol	11.83	122	7082	0.69	ng	97
11) 2,4-Dichlorophenol	12.21	162	5211	0.69	ng	98
12) Hexachlorobutadiene	12.87	225	3802	0.75	ng	98
16) 2,4-Dinitrophenol	16.91	184	223	0.29	ng	94
18) Hexachlorobenzene	19.23	284	4420	0.75	ng	98
19) Pentachlorophenol	19.67	266	357	0.35	ng	97
21) Benzidine	22.15	184	7272	0.74	ng	97
23) Benzo(a)anthracene	23.83	228	87216	0.78	ng	99
24) 3,3'-Dichlorobenzidine	23.82	252	7165	0.86	ng	96
25) Chrysene	23.87	228	107032	0.74	ng	99
26) Indeno(1,2,3-cd)pyrene	27.07	276	28363	1.23	ng	# 78
28) Benzo(b)fluoranthene	25.10	252	14807	1.03	ng	99
29) Benzo(k)fluoranthene	25.13	252	33778	0.78	ng	99
30) Benzo(a)pyrene	25.48	252	17803	0.92	ng	98
31) Dibenzo(a,h)anthracene	27.10	278	21421	1.12	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

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LabSampleId :

SSTDIC0.8

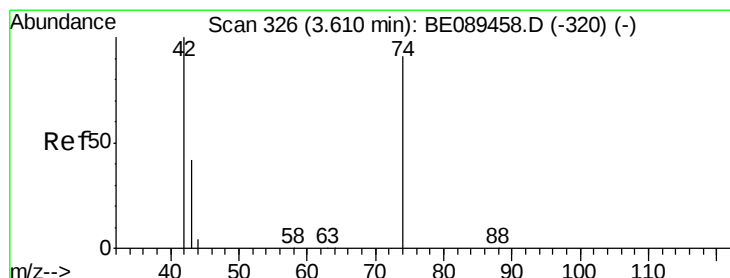
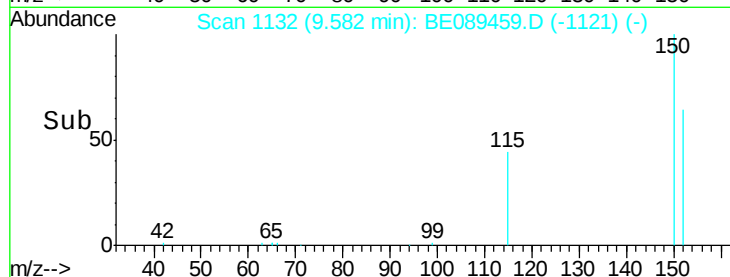
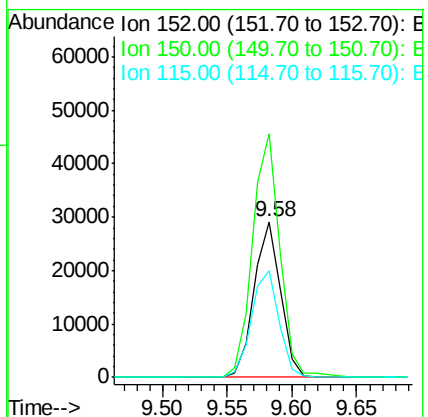
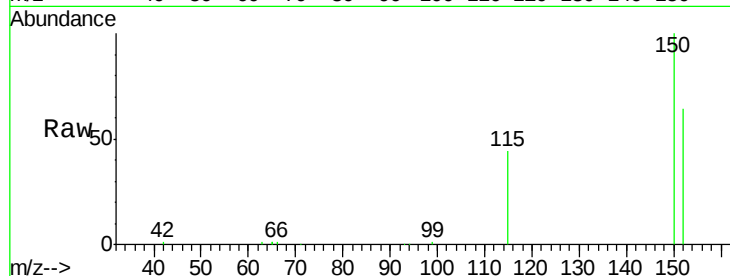
Tgt Ion:152 Resp: 41137

Ion Ratio Lower Upper

152 100

150 156.2 124.6 186.8

115 68.5 55.4 83.0



#2

n-Nitrosodimethylamine

Concen: 0.73 ng

RT: 3.61 min Scan# 327

Delta R.T. 0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

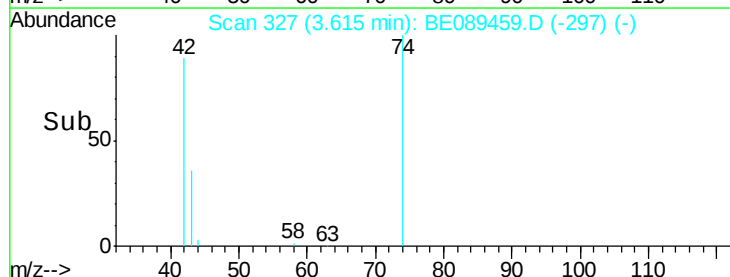
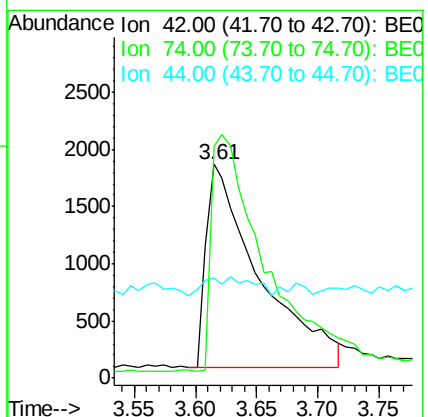
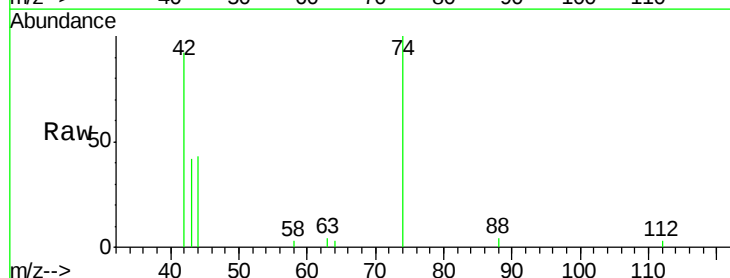
Tgt Ion: 42 Resp: 5392

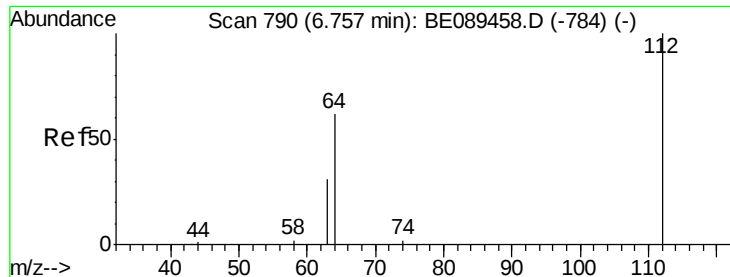
Ion Ratio Lower Upper

42 100

74 108.8 72.1 108.1#

44 46.7 28.0 42.0#





#3

2-Fluorophenol

Concen: 0.73 ng

RT: 6.75 min Scan# 790

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

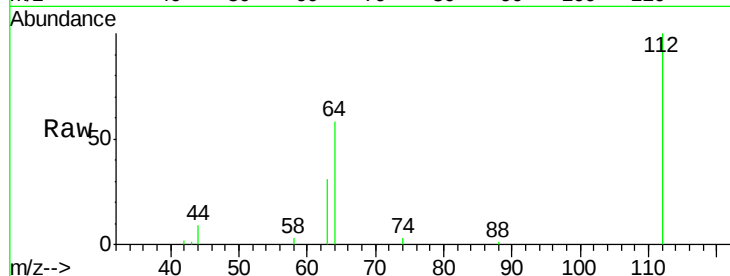
Tgt Ion: 112 Resp: 10467

Ion Ratio Lower Upper

112 100

64 57.9 49.8 74.8

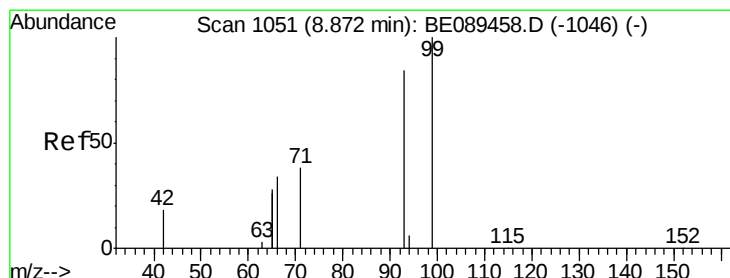
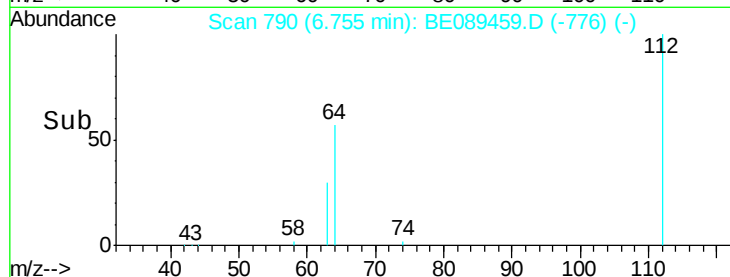
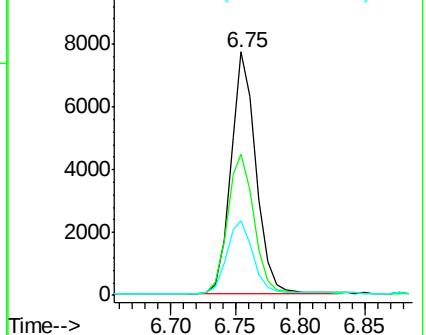
63 30.7 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#4

Phenol-d6

Concen: 0.73 ng

RT: 8.87 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

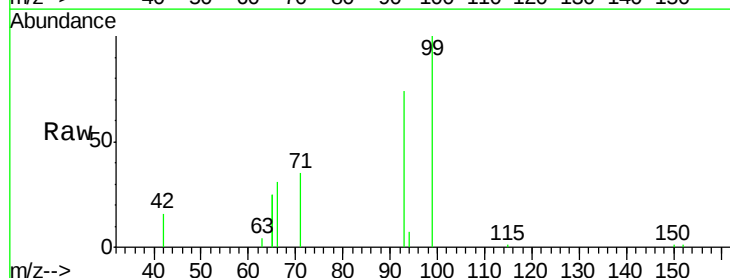
Tgt Ion: 99 Resp: 12645

Ion Ratio Lower Upper

99 100

42 16.0 15.0 22.4

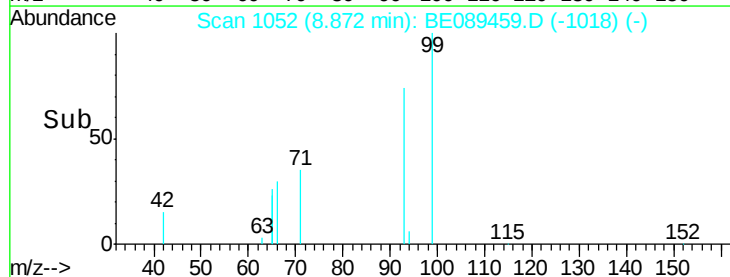
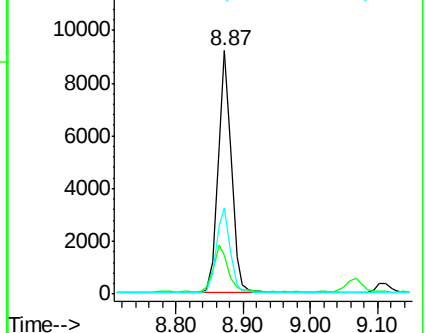
71 35.2 30.6 46.0

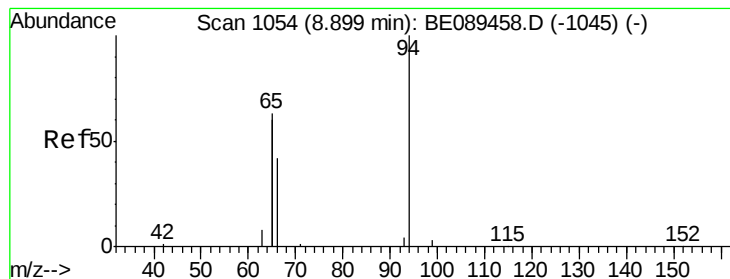


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.71 ng

RT: 8.90 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

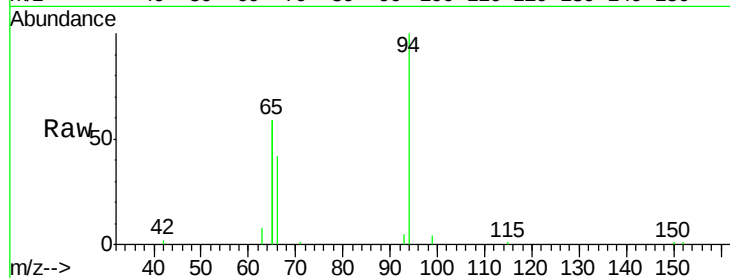
Tgt Ion: 94 Resp: 13435

Ion Ratio Lower Upper

94 100

65 117.9 105.0 145.0

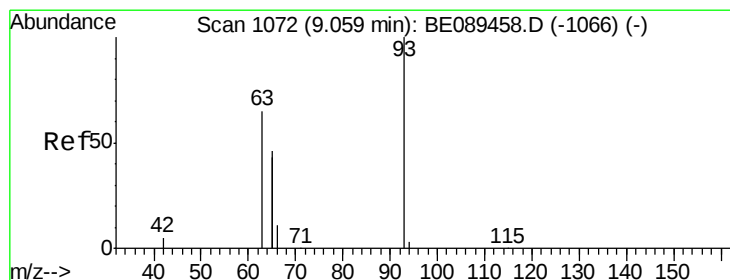
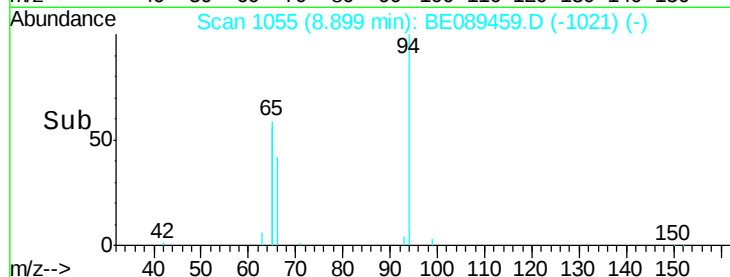
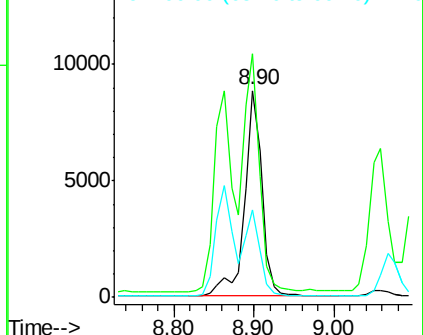
66 42.2 22.4 62.4



Abundance Ion 94.00 (93.70 to 94.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Ion 66.00 (65.70 to 66.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.70 ng

RT: 9.06 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

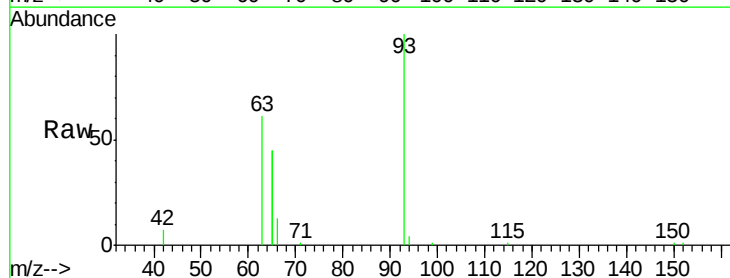
Tgt Ion: 93 Resp: 9774

Ion Ratio Lower Upper

93 100

63 71.8 59.2 88.8

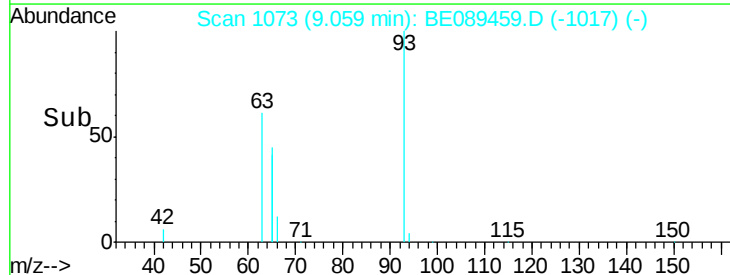
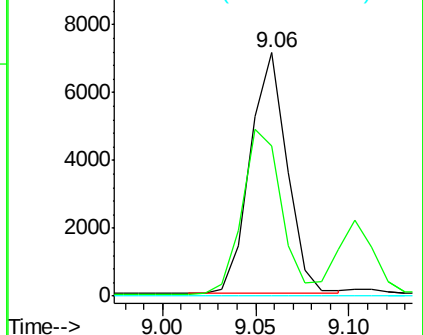
95 0.0 0.0 0.0

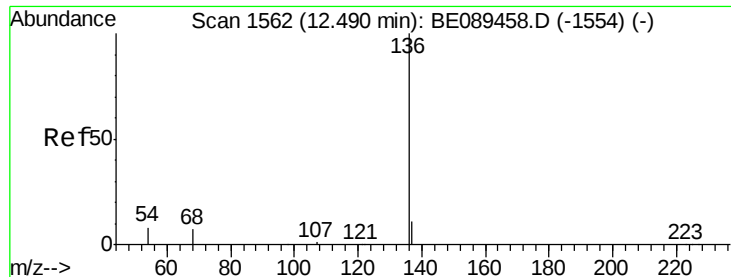


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.49 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

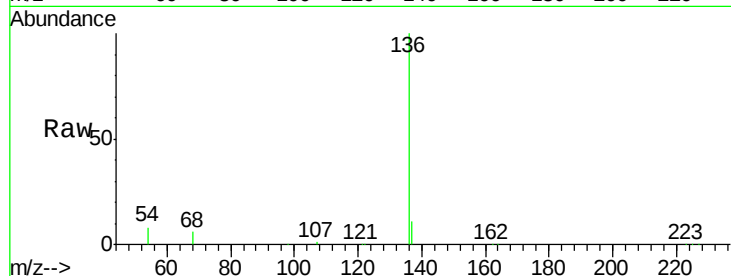
Tgt Ion: 136 Resp: 155410

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

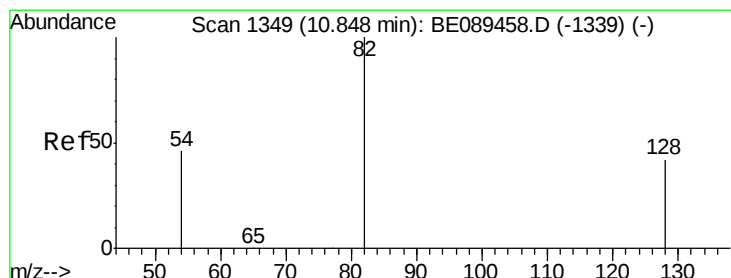
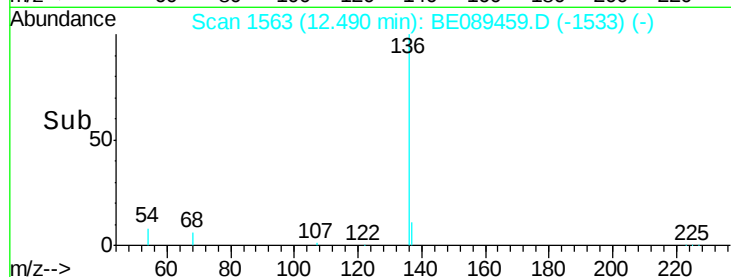
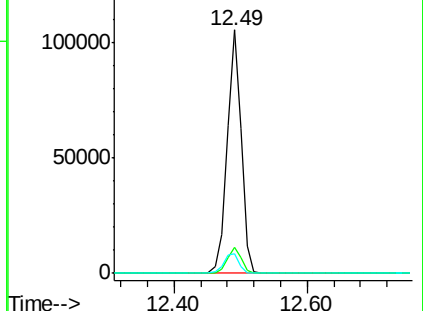
54 8.0 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 0.69 ng

RT: 10.85 min Scan# 1350

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

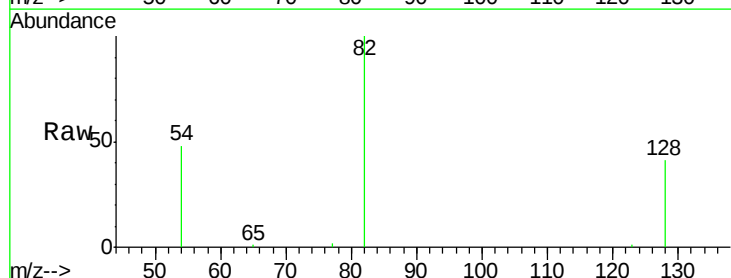
Tgt Ion: 82 Resp: 8598

Ion Ratio Lower Upper

82 100

128 40.7 34.2 51.2

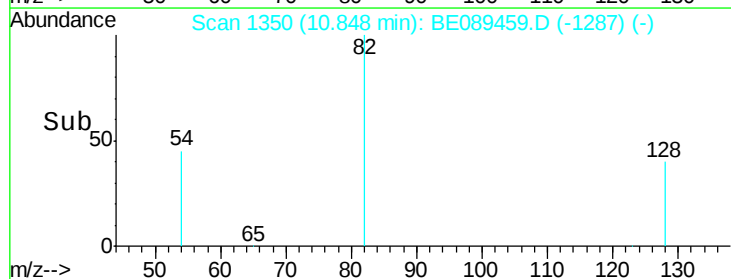
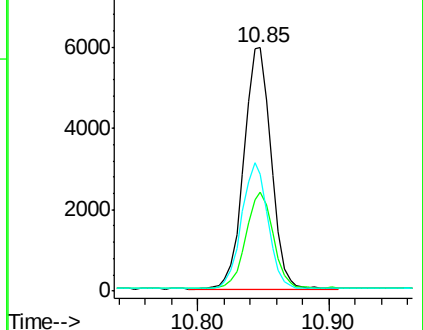
54 47.8 37.3 55.9

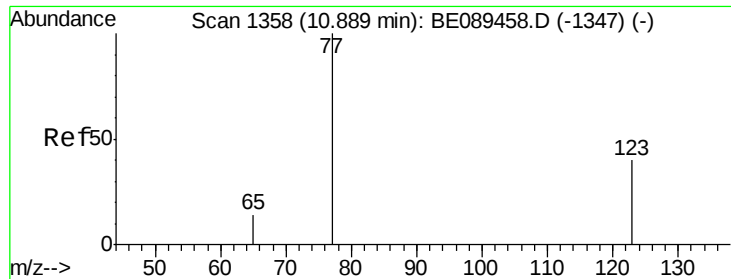


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.69 ng

RT: 10.89 min Scan# 1359

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

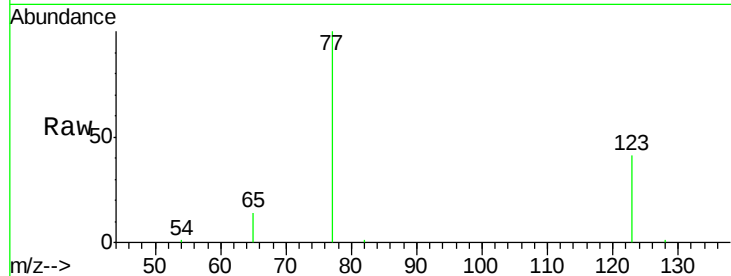
Tgt Ion: 77 Resp: 9902

Ion Ratio Lower Upper

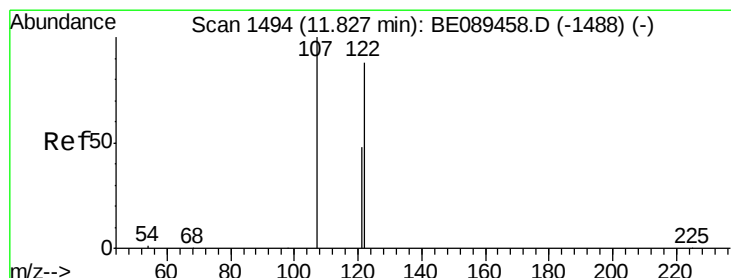
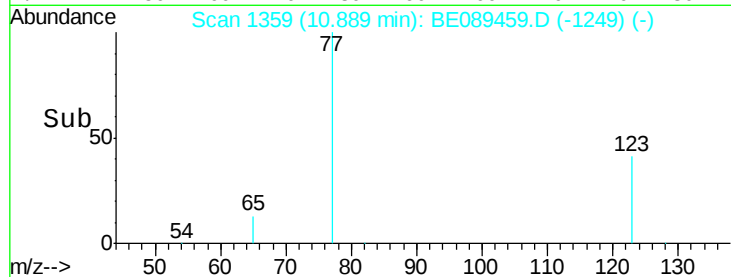
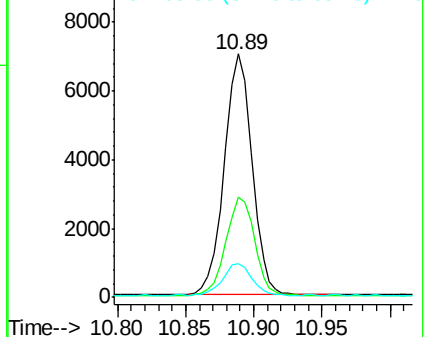
77 100

123 42.0 33.6 50.4

65 13.5 11.0 16.6



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



#10

2,4-Dimethylphenol

Concen: 0.69 ng

RT: 11.83 min Scan# 1495

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

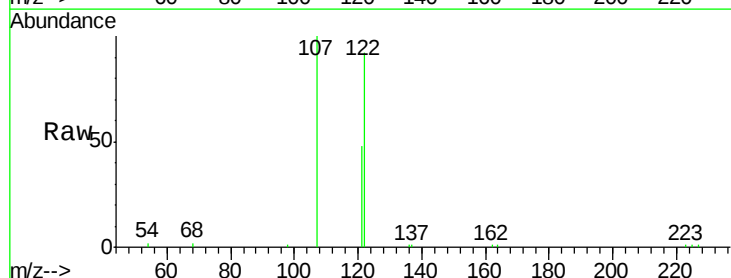
Tgt Ion: 122 Resp: 7082

Ion Ratio Lower Upper

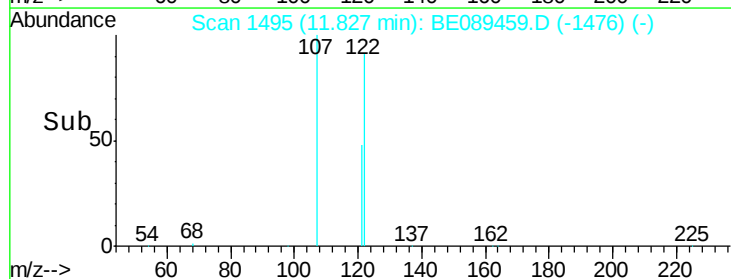
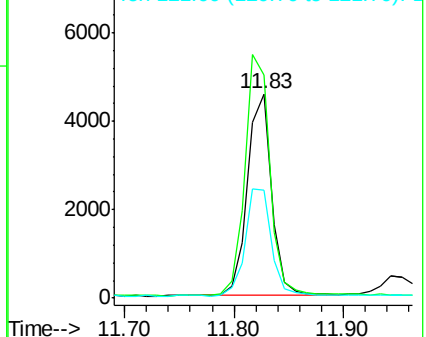
122 100

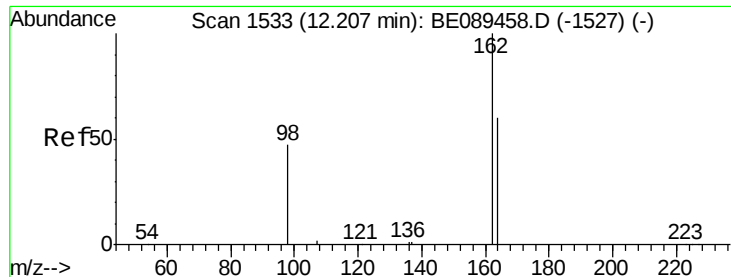
107 109.1 90.6 136.0

121 52.8 43.7 65.5



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





#11

2,4-Dichlorophenol

Concen: 0.69 ng

RT: 12.21 min Scan# 1534

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

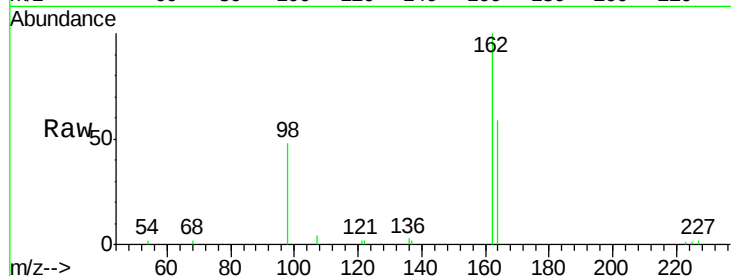
Tgt Ion:162 Resp: 5211

Ion Ratio Lower Upper

162 100

164 58.6 40.5 80.5

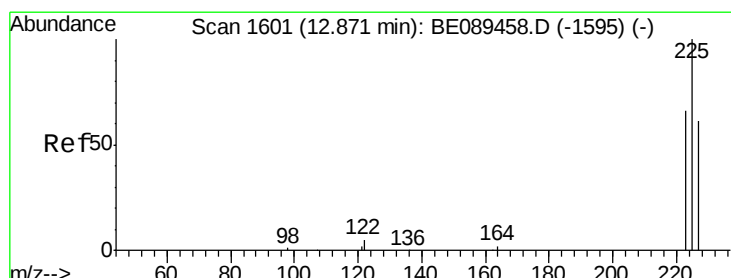
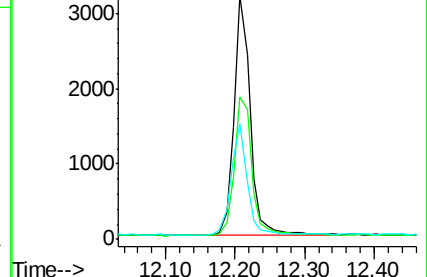
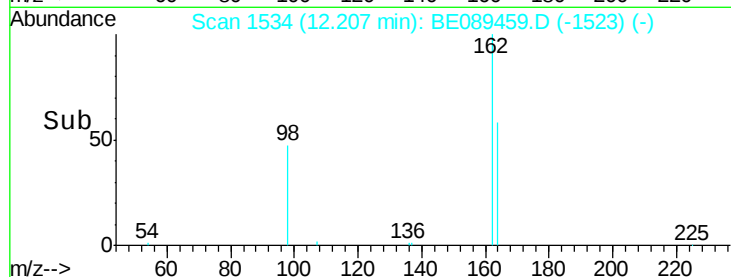
98 47.7 28.1 68.1



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: 0.75 ng

RT: 12.87 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

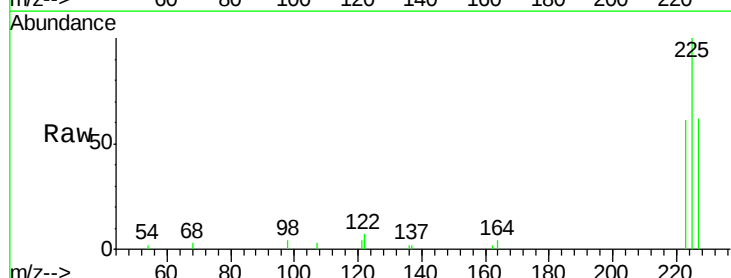
Tgt Ion:225 Resp: 3802

Ion Ratio Lower Upper

225 100

223 60.2 50.2 75.2

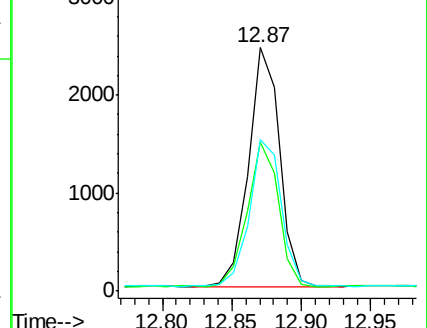
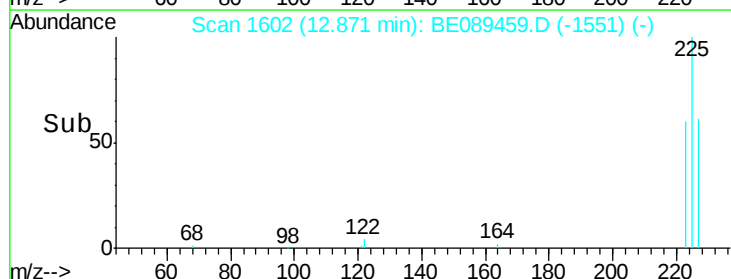
227 63.2 49.9 74.9

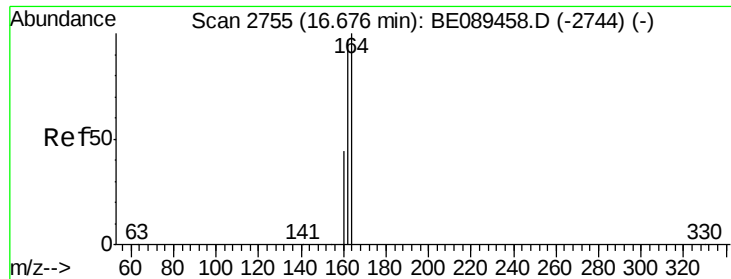


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

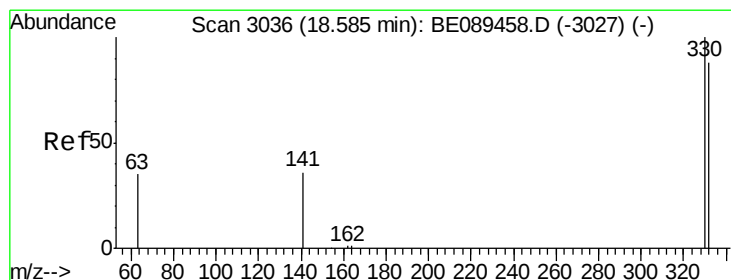
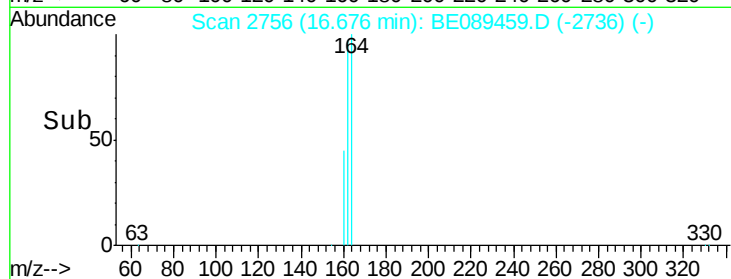
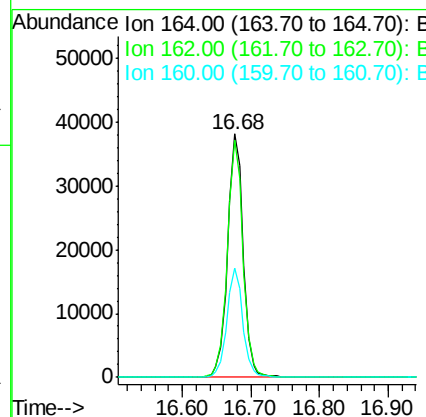
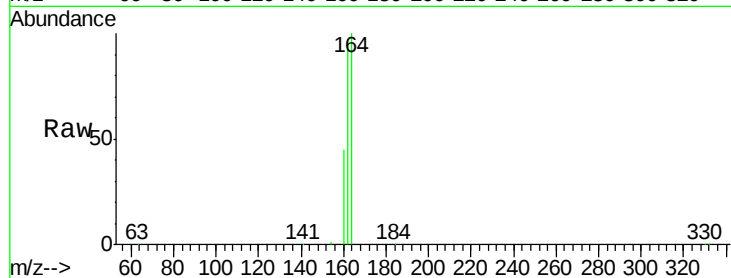




#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.68 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: BE089459.D
 Acq: 2 Feb 2015 17:10

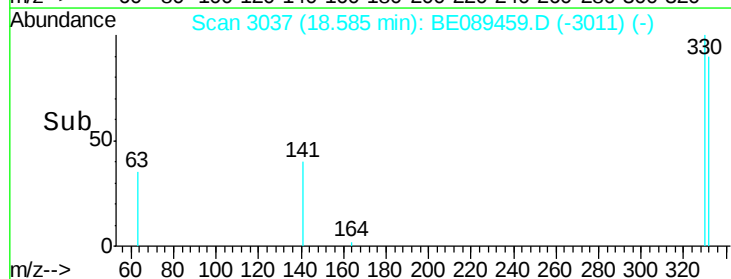
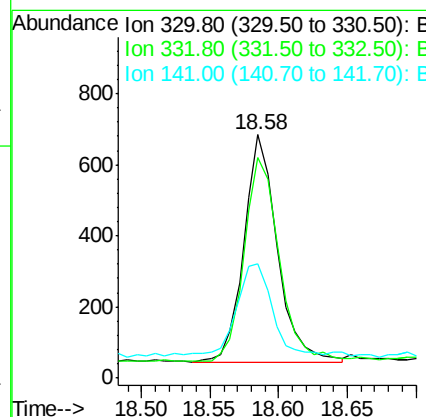
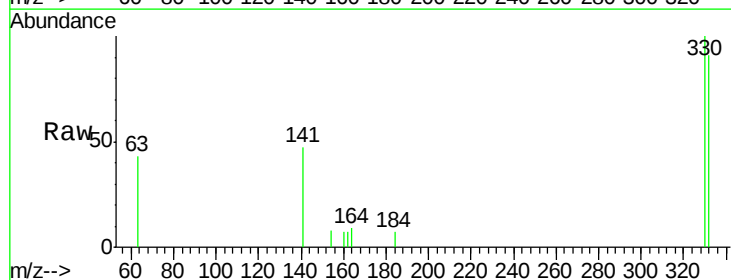
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

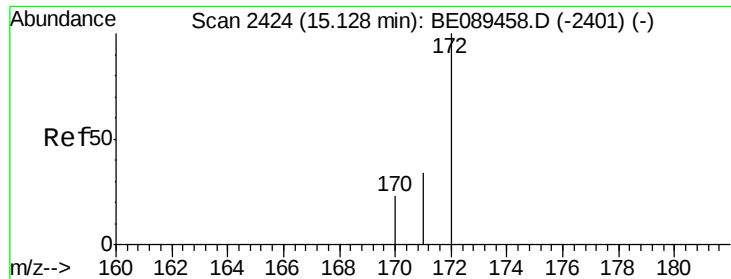
Tgt Ion:164 Resp: 59516
 Ion Ratio Lower Upper
 164 100
 162 97.3 77.4 116.2
 160 44.9 35.5 53.3



#14
 2,4,6-Tribromophenol
 Concen: 0.54 ng
 RT: 18.58 min Scan# 3037
 Delta R.T. -0.00 min
 Lab File: BE089459.D
 Acq: 2 Feb 2015 17:10

Tgt Ion:330 Resp: 1080
 Ion Ratio Lower Upper
 330 100
 332 93.6 75.4 113.2
 141 46.5 35.7 53.5

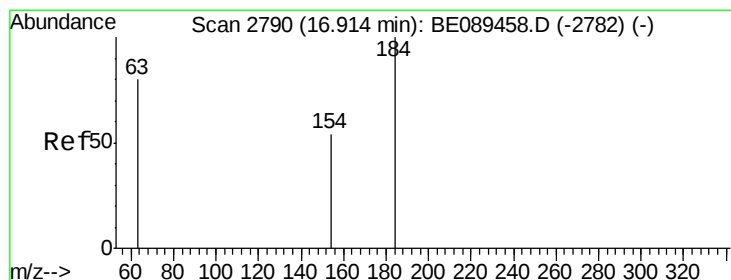
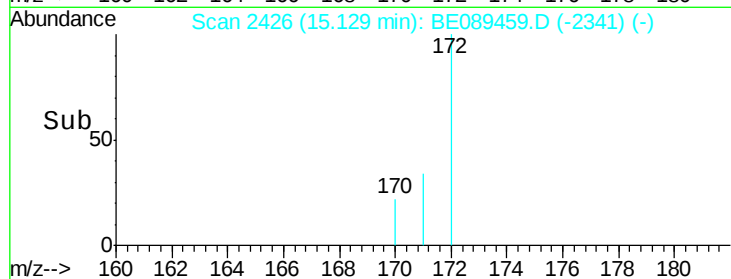
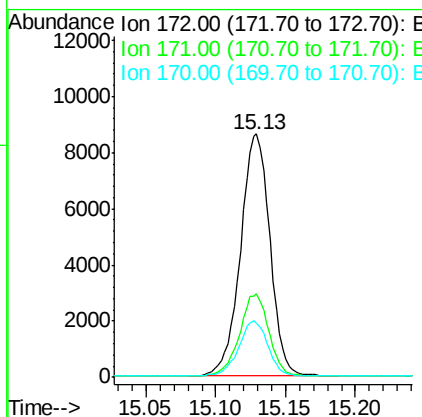
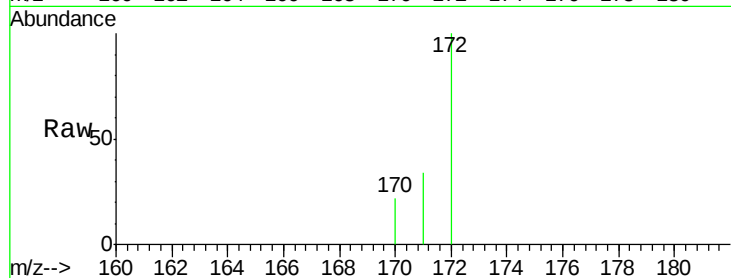




#15
2-Fluorobiphenyl
Concen: 0.76 ng
RT: 15.13 min Scan# 2426
Delta R.T. 0.00 min
Lab File: BE089459.D
Acq: 2 Feb 2015 17:10

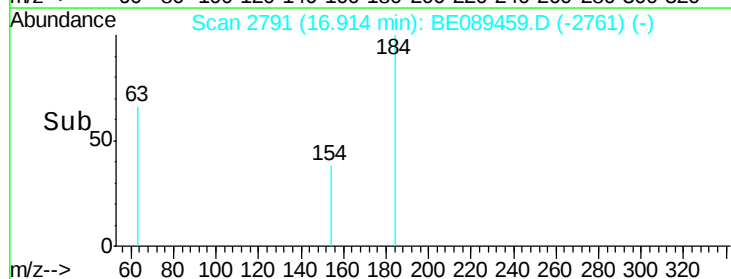
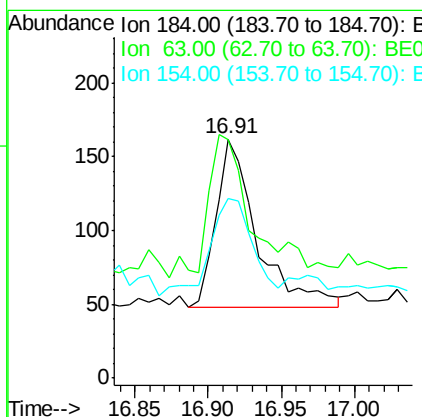
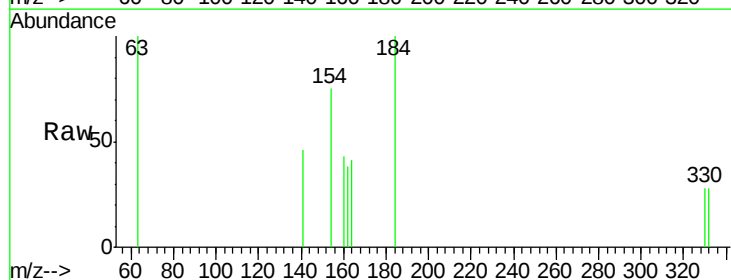
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

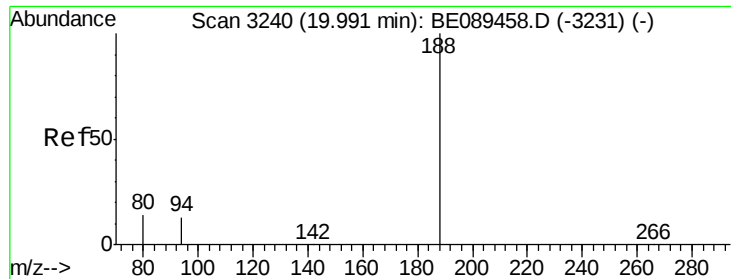
Tgt Ion:172 Resp: 12559
Ion Ratio Lower Upper
172 100
171 34.1 27.7 41.5
170 22.3 18.3 27.5



#16
2,4-Dinitrophenol
Concen: 0.29 ng
RT: 16.91 min Scan# 2791
Delta R.T. -0.00 min
Lab File: BE089459.D
Acq: 2 Feb 2015 17:10

Tgt Ion:184 Resp: 223
Ion Ratio Lower Upper
184 100
63 100.0 77.0 115.6
154 75.3 54.0 81.0

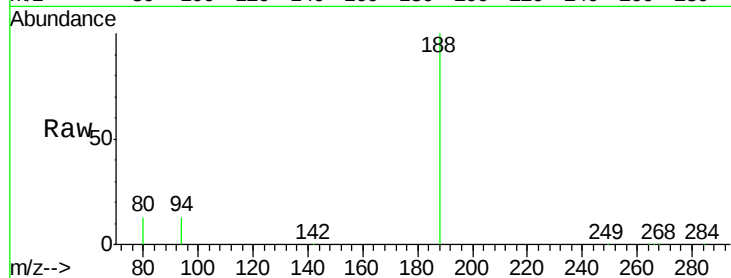




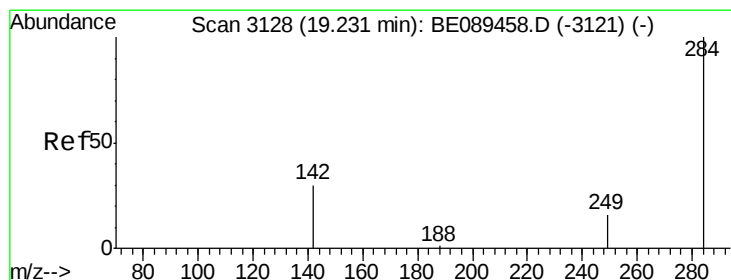
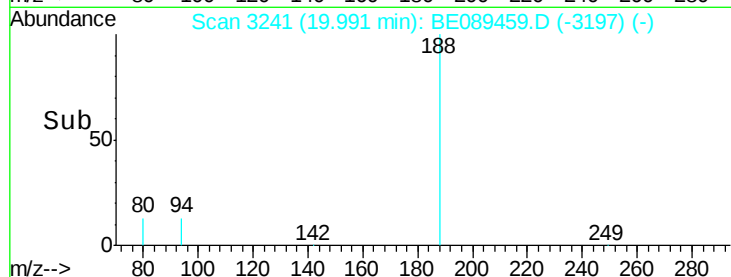
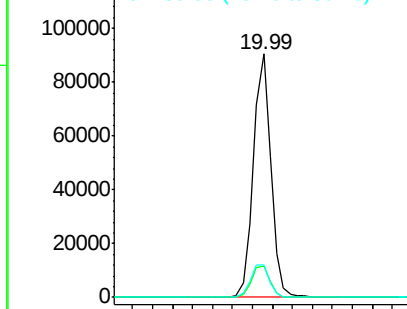
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3241
Delta R.T. 0.00 min
Lab File: BE089459.D
Acq: 2 Feb 2015 17:10

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tgt Ion:188 Resp: 110341
Ion Ratio Lower Upper
188 100
94 12.8 10.2 15.4
80 13.1 10.9 16.3

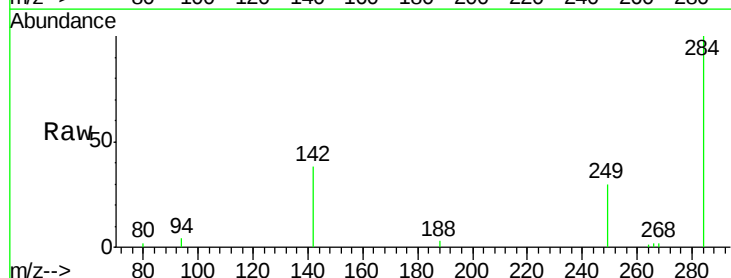


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

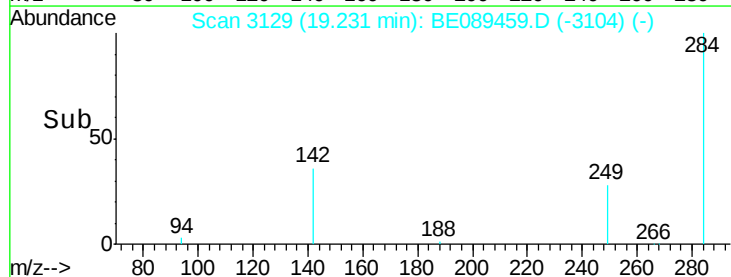
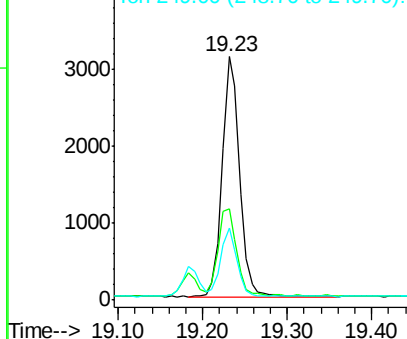


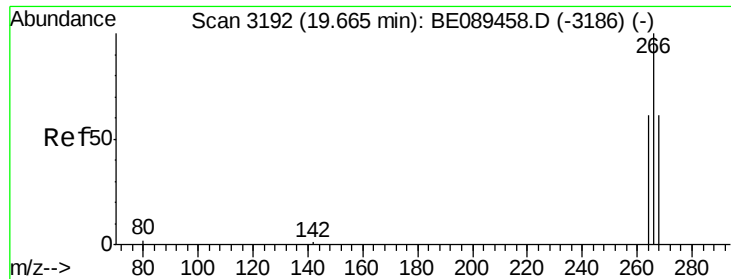
#18
Hexachlorobenzene
Concen: 0.75 ng
RT: 19.23 min Scan# 3129
Delta R.T. 0.00 min
Lab File: BE089459.D
Acq: 2 Feb 2015 17:10

Tgt Ion:284 Resp: 4420
Ion Ratio Lower Upper
284 100
142 37.7 31.8 47.8
249 29.5 23.5 35.3



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: 0.35 ng

RT: 19.67 min Scan# 3193

Delta R.T. 0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

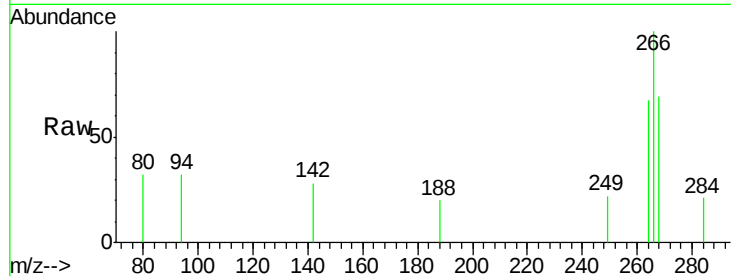
Tgt Ion:266 Resp: 357

Ion Ratio Lower Upper

266 100

268 68.7 52.6 78.8

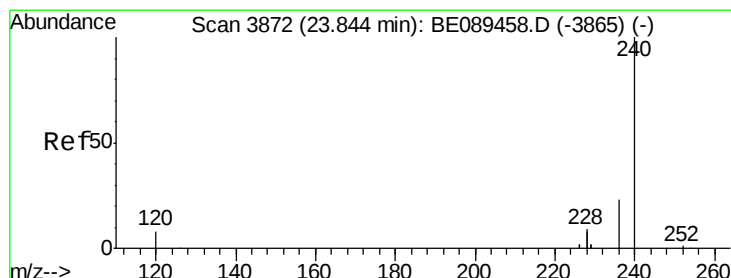
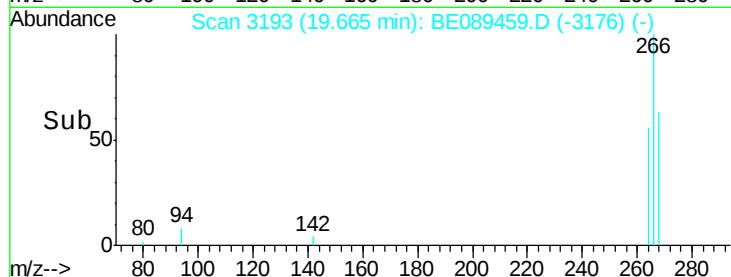
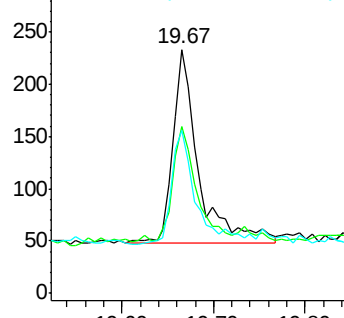
264 67.0 52.2 78.2



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.84 min Scan# 3873

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

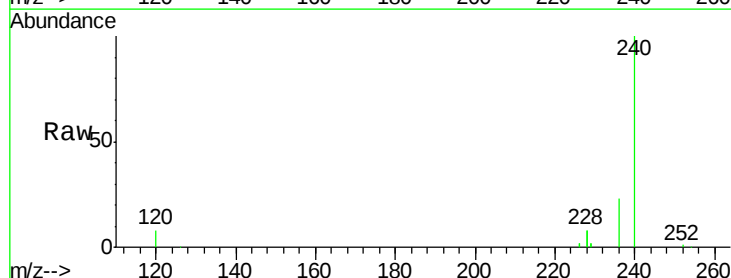
Tgt Ion:240 Resp: 142598

Ion Ratio Lower Upper

240 100

120 8.4 6.2 9.4

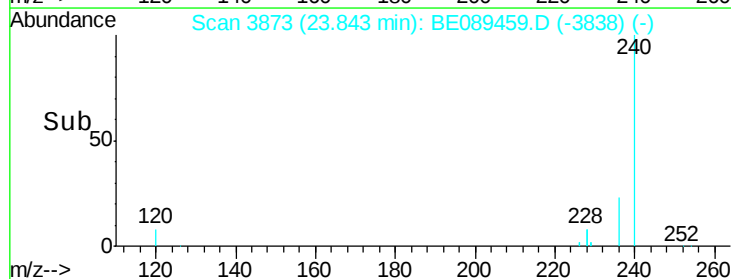
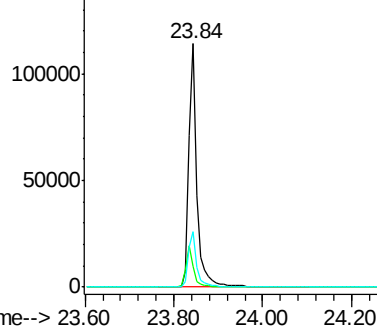
236 23.0 18.2 27.4

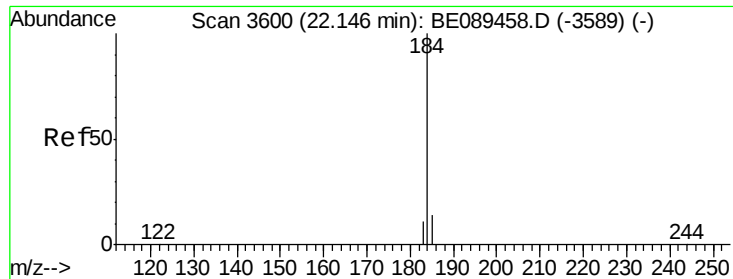


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

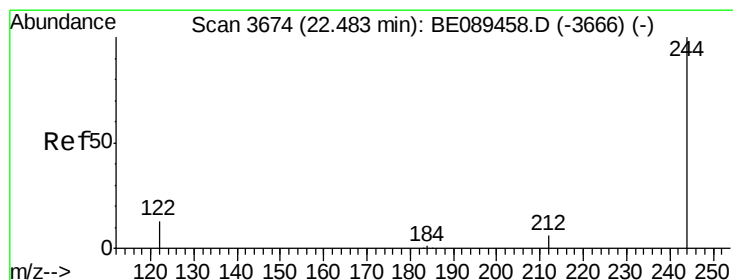
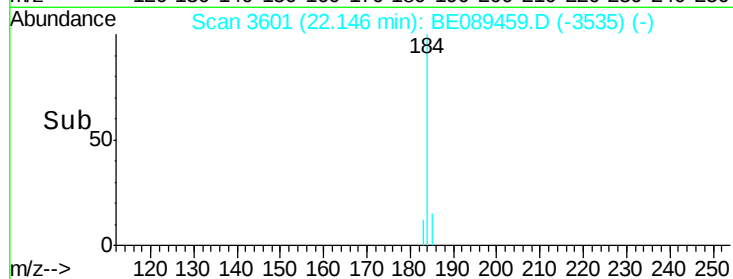
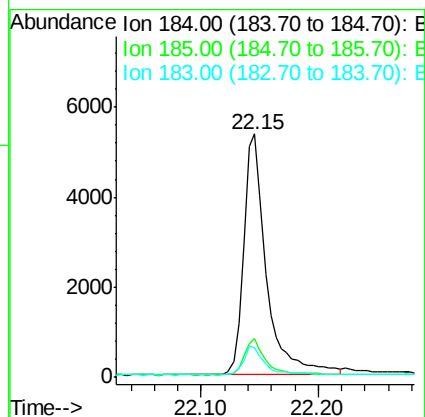
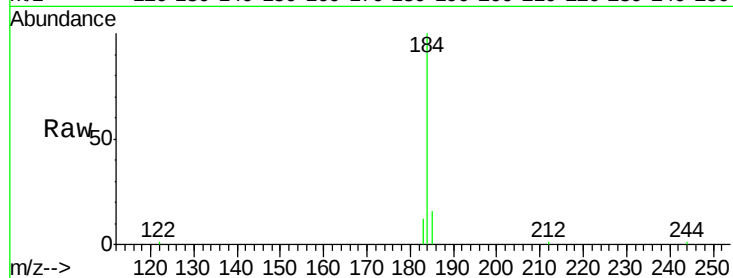




#21
Benzidine
Concen: 0.74 ng
RT: 22.15 min Scan# 3601
Delta R.T. -0.00 min
Lab File: BE089459.D
Acq: 2 Feb 2015 17:10

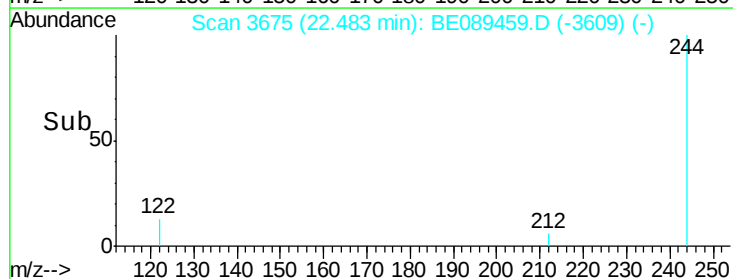
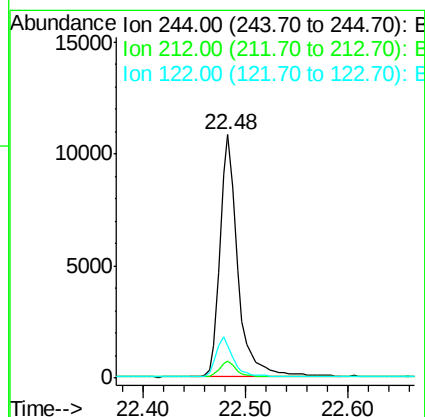
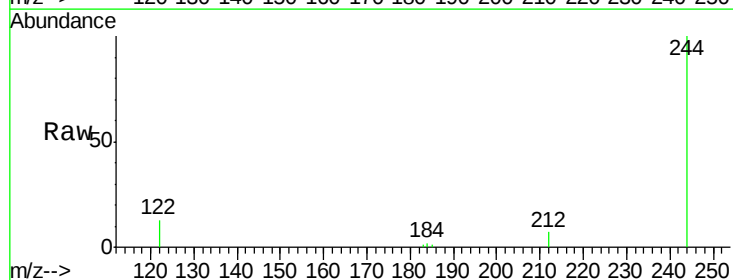
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

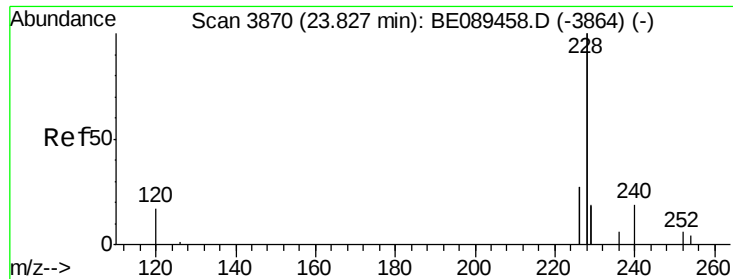
Tgt Ion:184 Resp: 7272
Ion Ratio Lower Upper
184 100
185 16.1 11.7 17.5
183 12.5 9.4 14.0



#22
Terphenyl-d14
Concen: 0.74 ng
RT: 22.48 min Scan# 3675
Delta R.T. -0.00 min
Lab File: BE089459.D
Acq: 2 Feb 2015 17:10

Tgt Ion:244 Resp: 13195
Ion Ratio Lower Upper
244 100
212 6.9 5.3 7.9
122 13.4 10.5 15.7





#23

Benzo(a)anthracene

Concen: 0.78 ng

RT: 23.83 min Scan# 3871

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

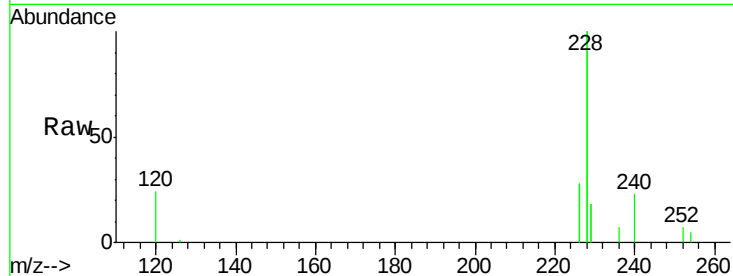
Tgt Ion:228 Resp: 87216

Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

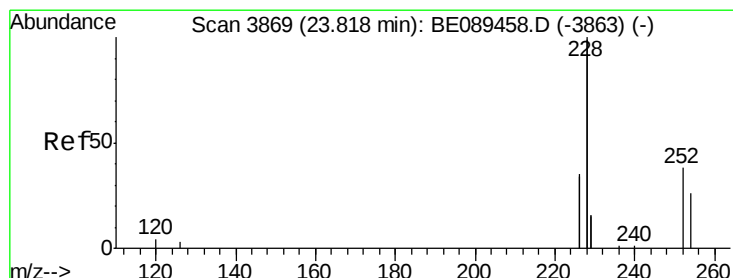
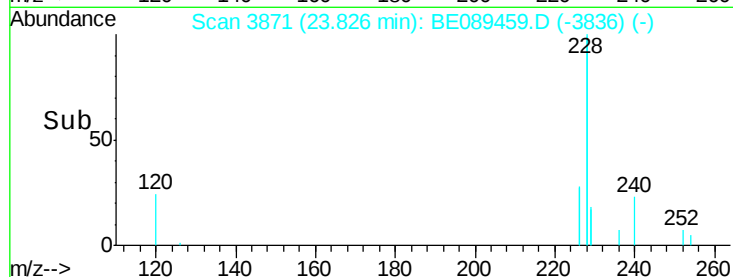
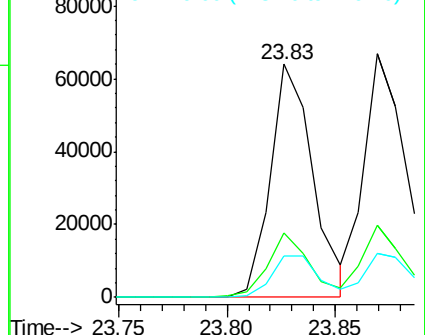
229 18.0 14.8 22.2



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



#24

3,3'-Dichlorobenzidine

Concen: 0.86 ng

RT: 23.82 min Scan# 3870

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

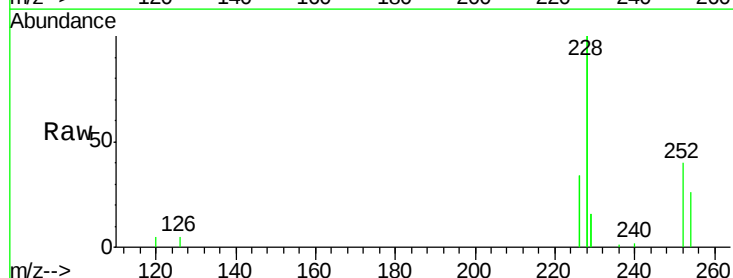
Tgt Ion:252 Resp: 7165

Ion Ratio Lower Upper

252 100

254 64.8 54.6 82.0

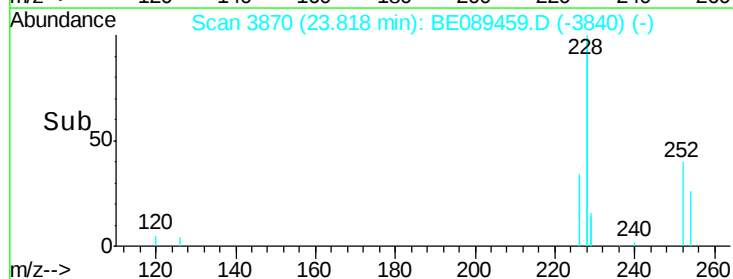
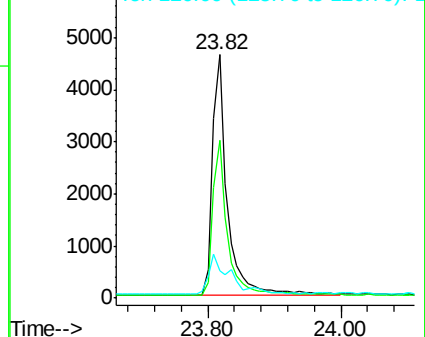
126 11.3 8.0 12.0

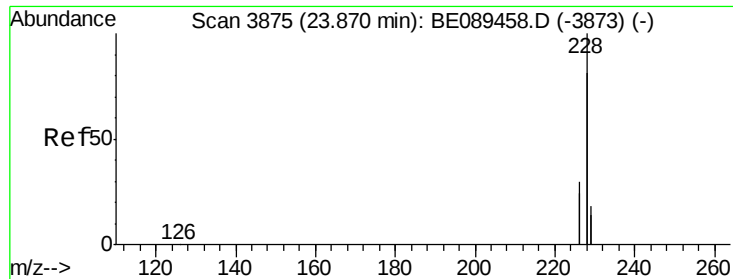


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.74 ng

RT: 23.87 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

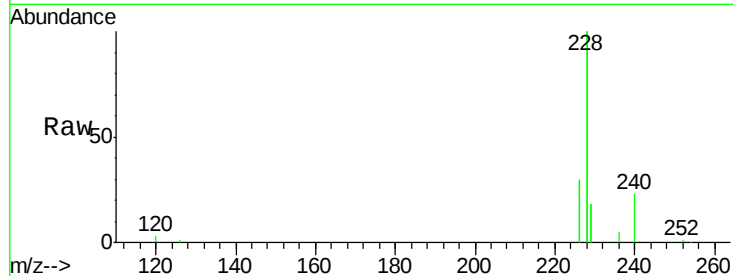
Tgt Ion:228 Resp: 107032

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

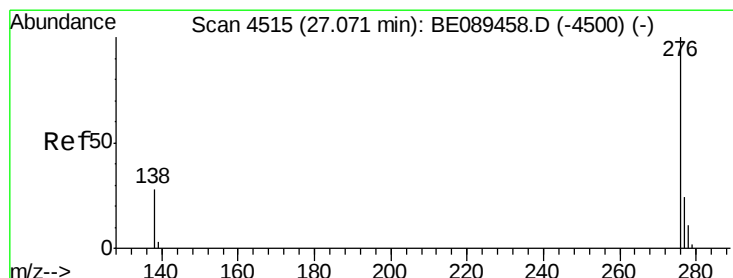
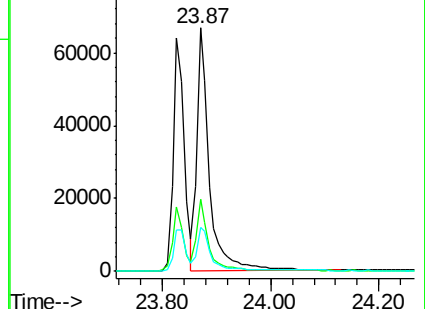
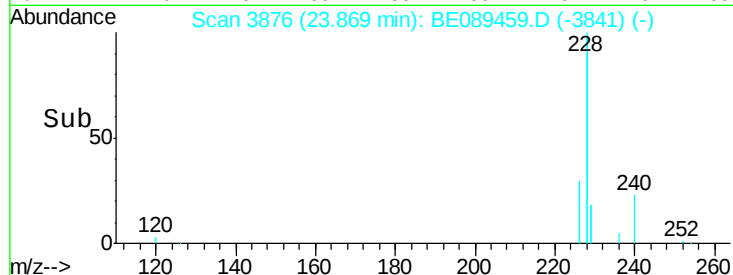
229 18.3 14.3 21.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 1.23 ng

RT: 27.07 min Scan# 4516

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

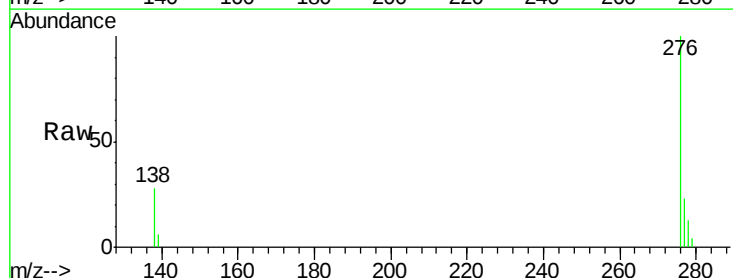
Tgt Ion:276 Resp: 28363

Ion Ratio Lower Upper

276 100

138 9.6 23.3 34.9#

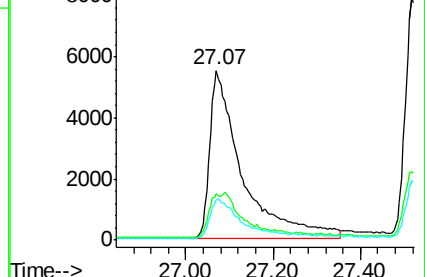
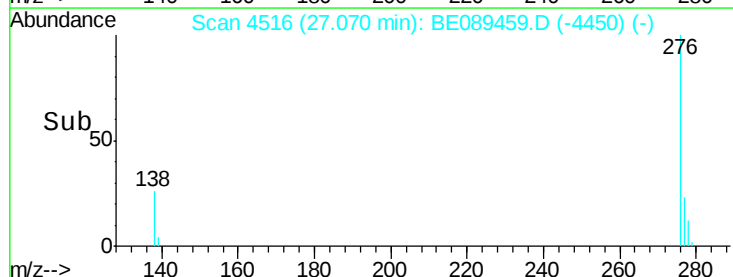
277 21.6 19.0 28.4

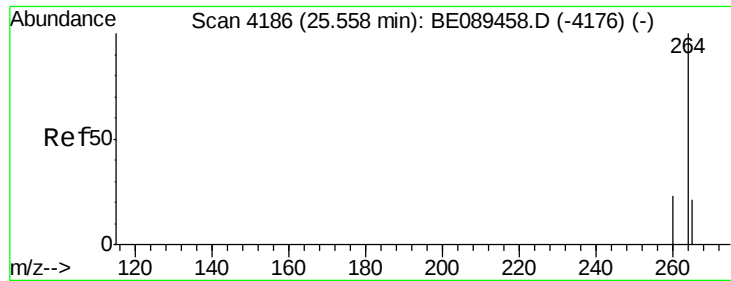


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

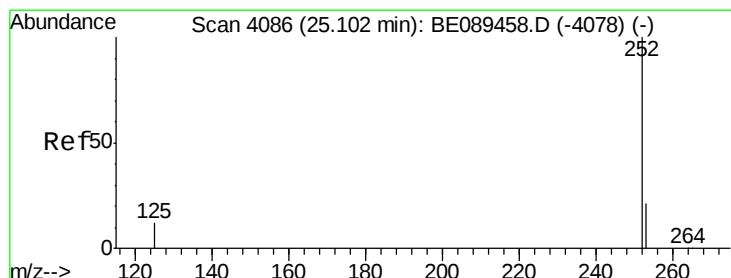
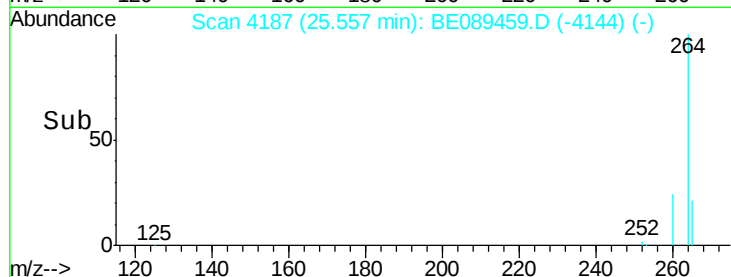
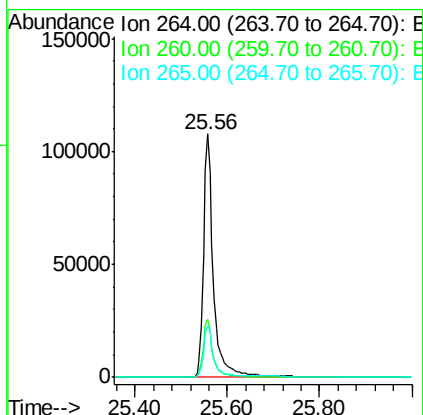
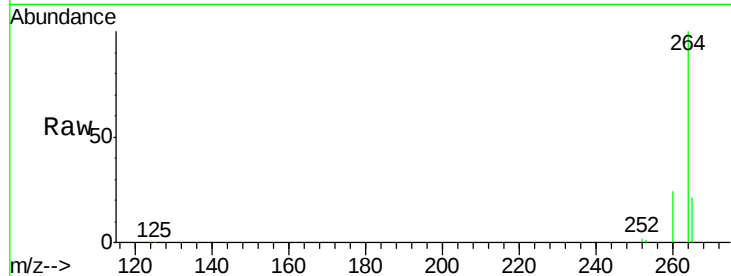




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.56 min Scan# 4187
 Delta R.T. -0.00 min
 Lab File: BE089459.D
 Acq: 2 Feb 2015 17:10

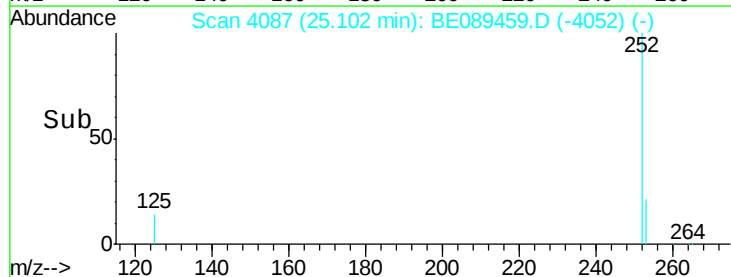
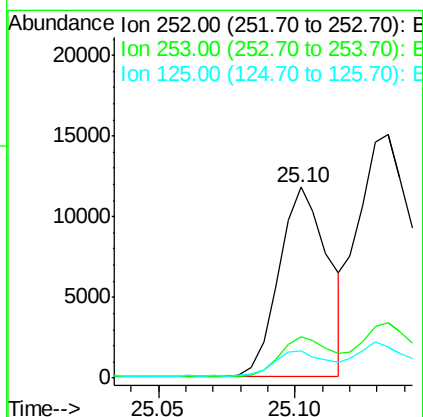
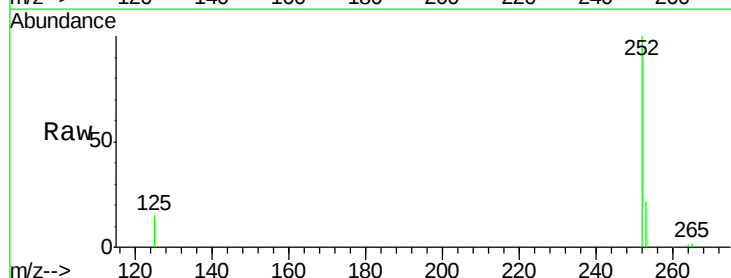
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

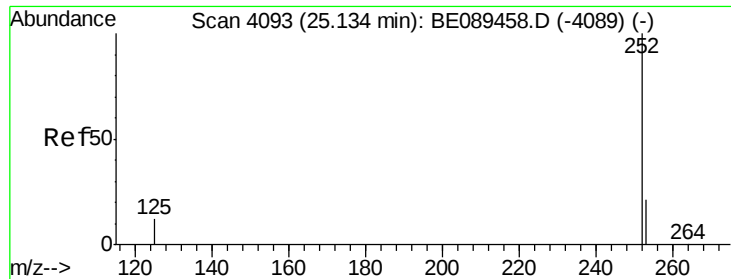
Tgt Ion:264 Resp: 160045
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.3 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 1.03 ng
 RT: 25.10 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: BE089459.D
 Acq: 2 Feb 2015 17:10

Tgt Ion:252 Resp: 14807
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.4 26.0
 125 14.6 10.4 15.6





#29

Benzo(k)fluoranthene

Concen: 0.78 ng

RT: 25.13 min Scan# 4094

Delta R.T. -0.00 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

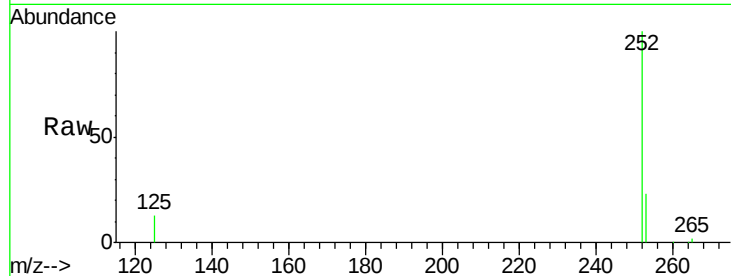
Tgt Ion:252 Resp: 33778

Ion Ratio Lower Upper

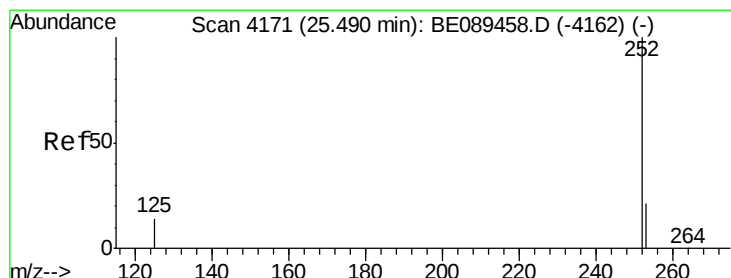
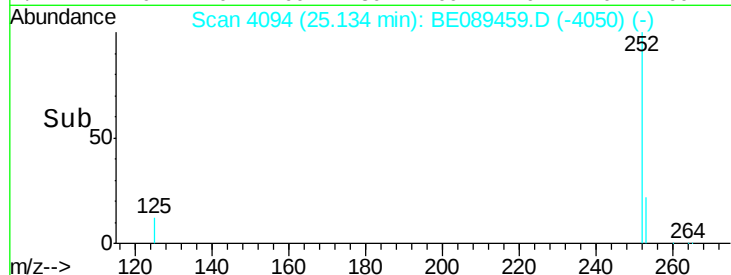
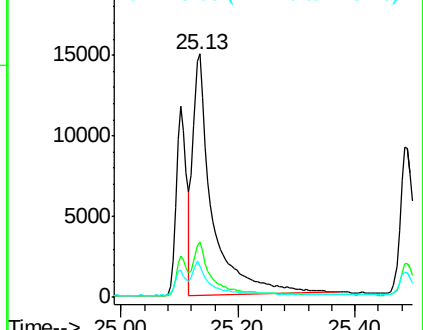
252 100

253 22.6 17.5 26.3

125 13.0 10.3 15.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#30

Benzo(a)pyrene

Concen: 0.92 ng

RT: 25.48 min Scan# 4171

Delta R.T. -0.01 min

Lab File: BE089459.D

Acq: 2 Feb 2015 17:10

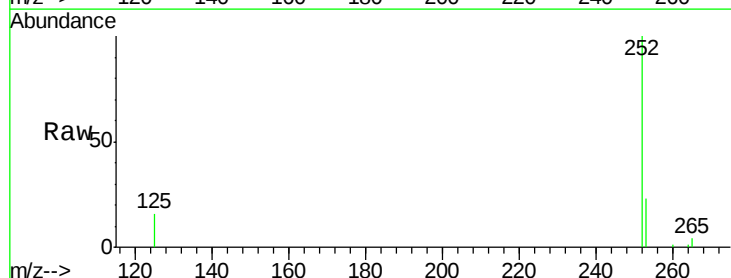
Tgt Ion:252 Resp: 17803

Ion Ratio Lower Upper

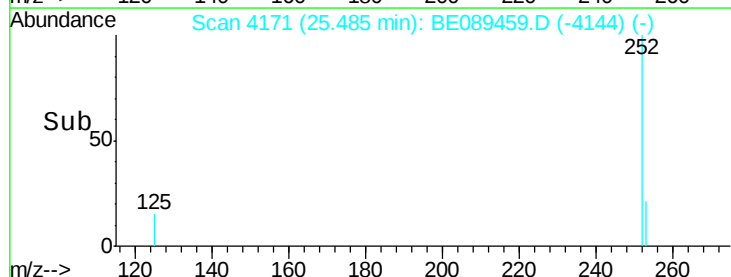
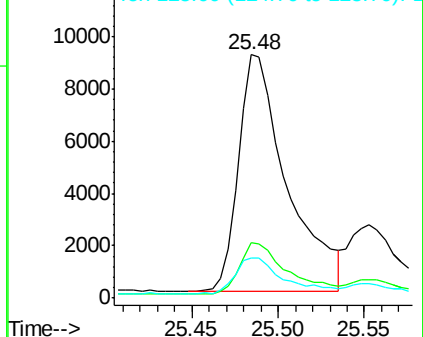
252 100

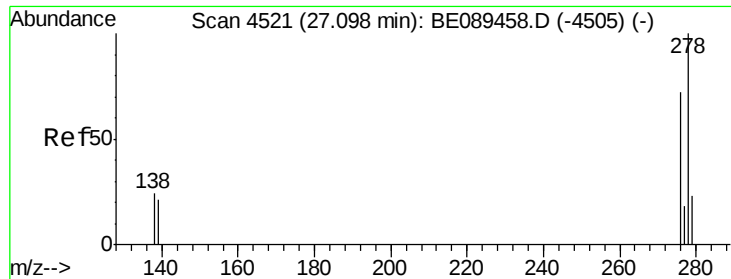
253 22.6 17.5 26.3

125 16.5 11.8 17.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 1.12 ng

RT: 27.10 min Scan# 4522

Delta R.T. -0.00 min

Lab File: BE089459.D

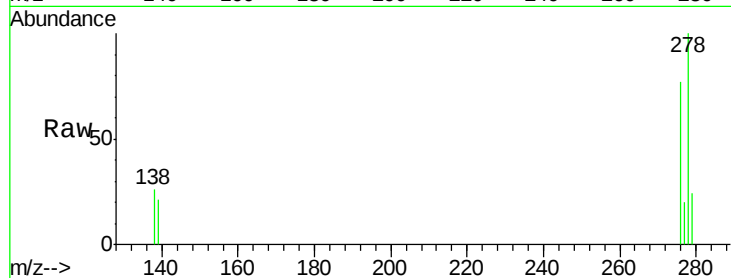
Acq: 2 Feb 2015 17:10

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8



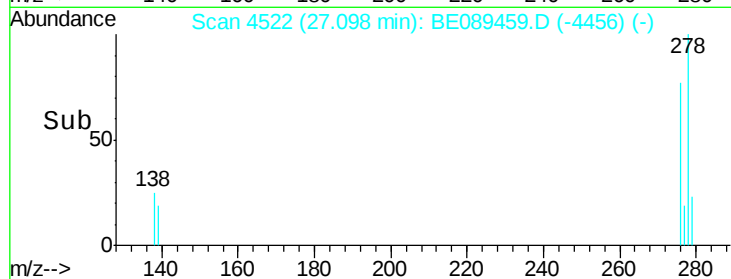
Tgt Ion: 278 Resp: 21421

Ion Ratio Lower Upper

278 100

139 20.6 17.1 25.7

279 23.8 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

