

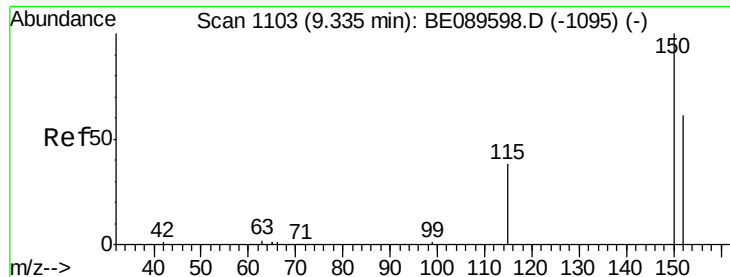
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021715\
 Data File : BE089598.D
 Acq On : 17 Feb 2015 17:06
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICCC001

Quant Time: Feb 18 01:11:17 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 00:56:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.33	152	56443	5.00	ng	0.00
7) Naphthalene-d8	12.24	136	222422	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	107079	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	205881	5.00	ng	0.00
20) Chrysene-d12	23.66	240	226397	5.00	ng	0.00
27) Perylene-d12	25.34	264	203117	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	14852	0.94	ng	0.00
4) Phenol-d6	8.62	99	19466	0.92	ng	0.00
8) Nitrobenzene-d5	10.60	82	9213	1.00	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	1746	0.79	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	29208	1.01	ng	0.00
22) Terphenyl-d14	22.30	244	30018	0.98	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.36	42	6342	0.78	ng	100
5) Phenol	8.65	94	21264	0.94	ng	100
6) bis(2-Chloroethyl)ether	8.82	93	16780	0.97	ng	# 100
9) Nitrobenzene	10.65	77	11469	1.05	ng	100
10) 2,4-Dimethylphenol	11.58	122	11503	0.92	ng	100
11) 2,4-Dichlorophenol	11.96	162	9246	0.94	ng	100
12) Hexachlorobutadiene	12.63	225	6914	1.01	ng	100
16) 2,4-Dinitrophenol	16.66	184	311	0.82	ng	100
18) Hexachlorobenzene	18.99	284	8962	1.03	ng	100
19) Pentachlorophenol	19.44	266	1186	0.81	ng	100
21) Benzidine	21.96	184	10907	0.64	ng	100
23) Benzo(a)anthracene	23.64	228	189096	0.89	ng	100
24) 3,3'-Dichlorobenzidine	23.63	252	9190	0.67	ng	100
25) Chrysene	23.69	228	224513	1.03	ng	100
26) Indeno(1,2,3-cd)pyrene	26.75	276	38085	0.80	ng	# 100
28) Benzo(b)fluoranthene	24.91	252	29534	0.78	ng	100
29) Benzo(k)fluoranthene	24.94	252	57842	1.06	ng	100
30) Benzo(a)pyrene	25.27	252	29081	0.80	ng	100
31) Dibenzo(a,h)anthracene	26.78	278	29223	0.80	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

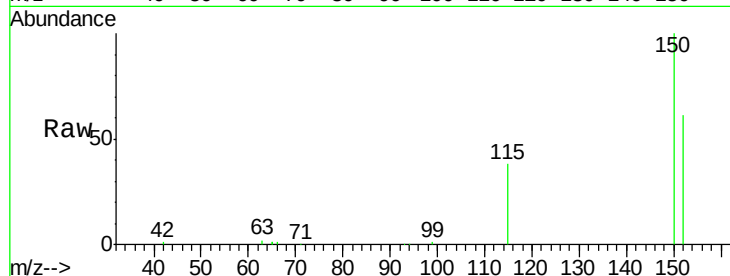
Tgt Ion:152 Resp: 56443

Ion Ratio Lower Upper

152 100

150 163.4 130.7 196.1

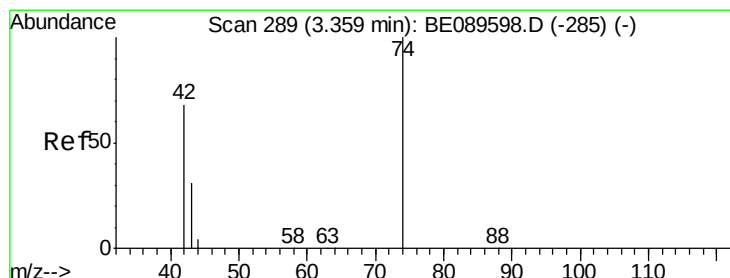
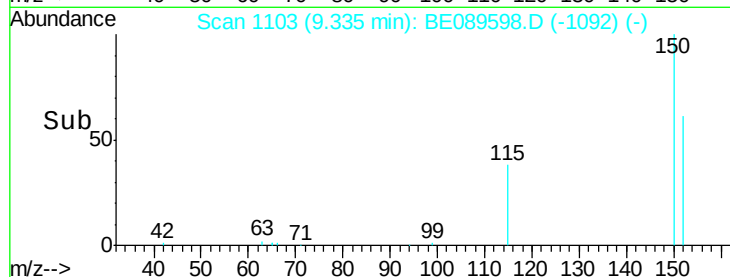
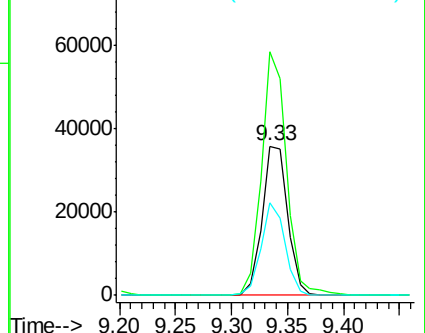
115 62.0 49.6 74.4



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: 0.78 ng

RT: 3.36 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

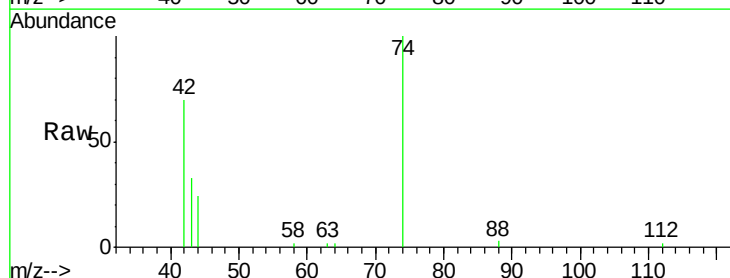
Tgt Ion: 42 Resp: 6342

Ion Ratio Lower Upper

42 100

74 143.2 114.6 171.8

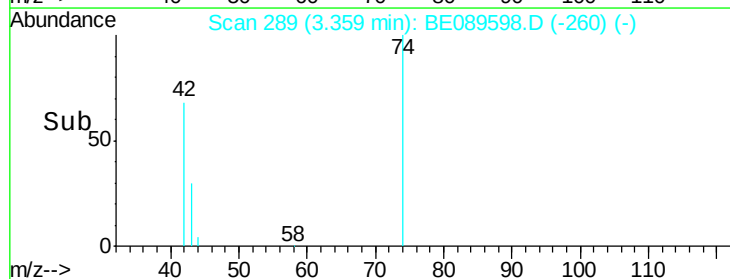
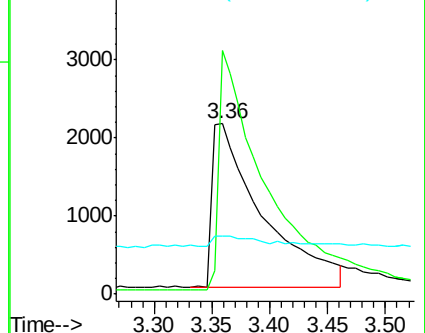
44 34.4 27.5 41.3

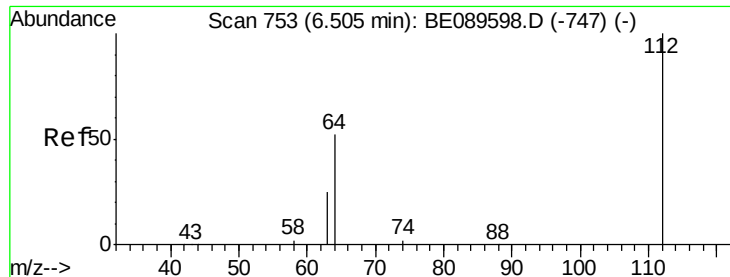


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

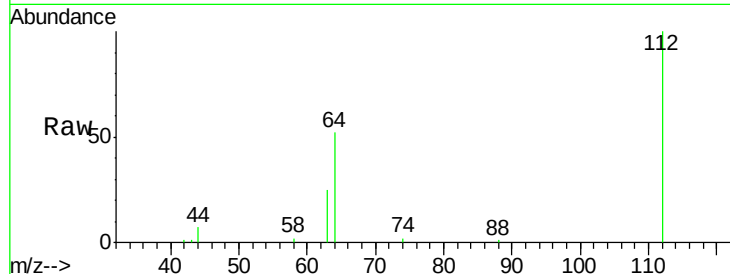




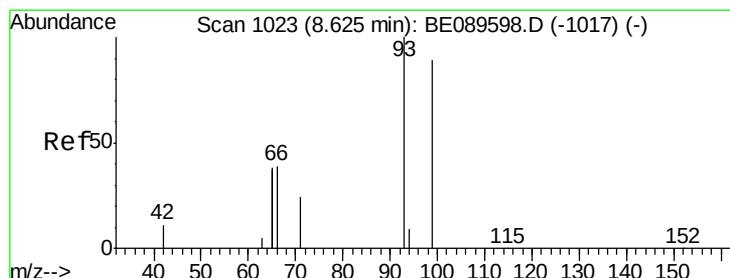
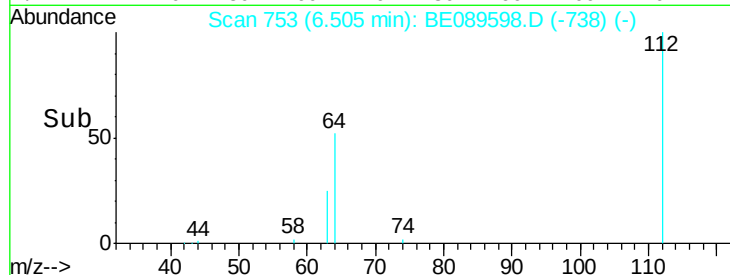
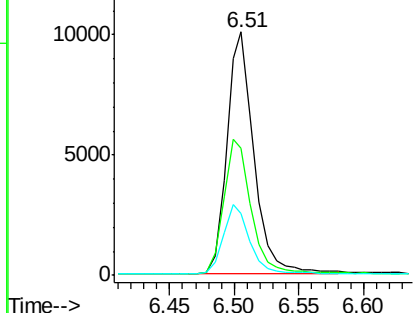
#3
2-Fluorophenol
Concen: 0.94 ng
RT: 6.51 min Scan# 753
Delta R.T. 0.00 min
Lab File: BE089598.D
Acq: 17 Feb 2015 17:06

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion: 112 Resp: 14852
Ion Ratio Lower Upper
112 100
64 52.1 41.7 62.5
63 25.4 20.3 30.5

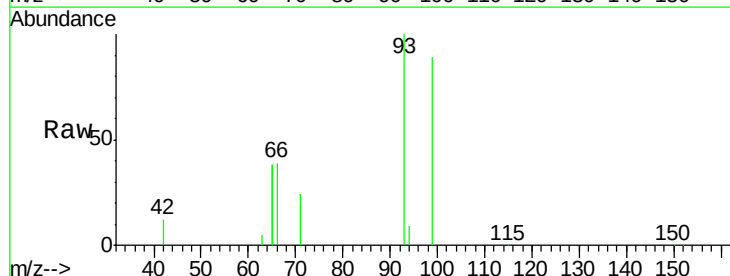


Abundance Ion 112.00 (111.70 to 112.70): BE0
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0

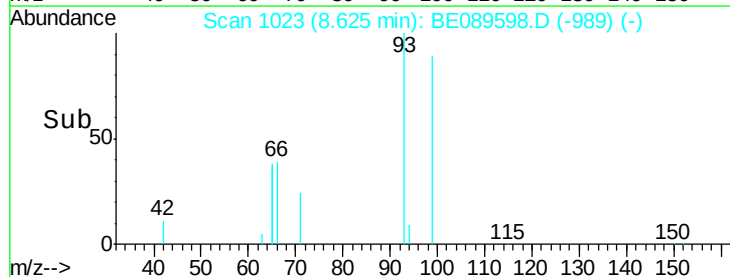
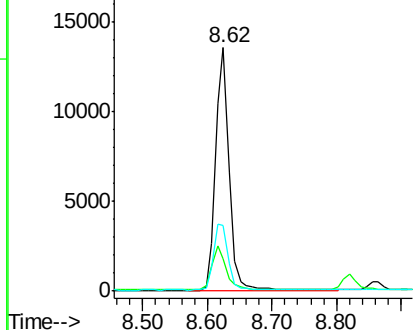


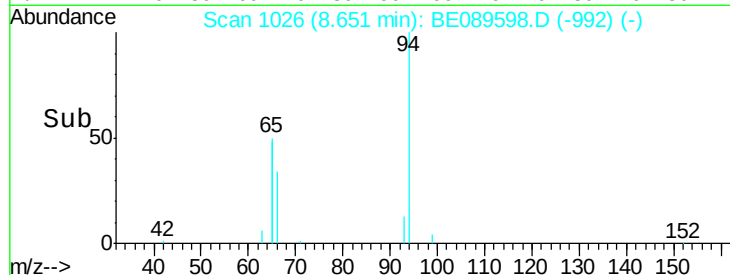
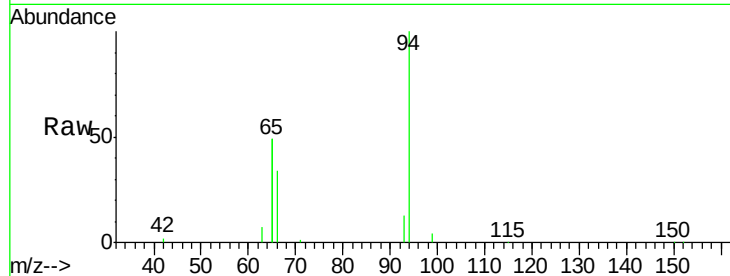
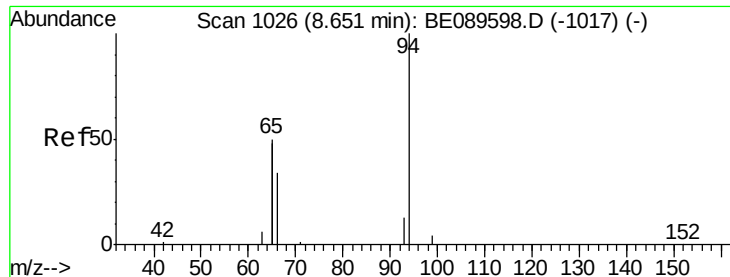
#4
Phenol-d6
Concen: 0.92 ng
RT: 8.62 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BE089598.D
Acq: 17 Feb 2015 17:06

Tgt Ion: 99 Resp: 19466
Ion Ratio Lower Upper
99 100
42 13.5 10.8 16.2
71 27.2 21.8 32.6



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: 0.94 ng

RT: 8.65 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

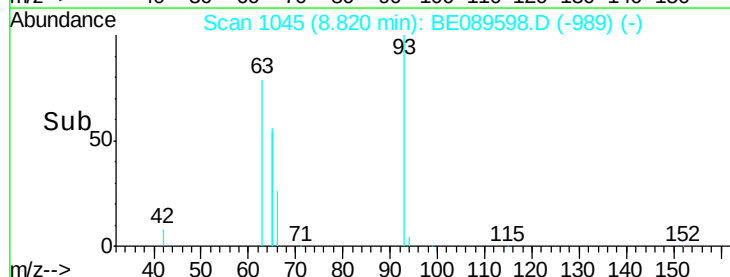
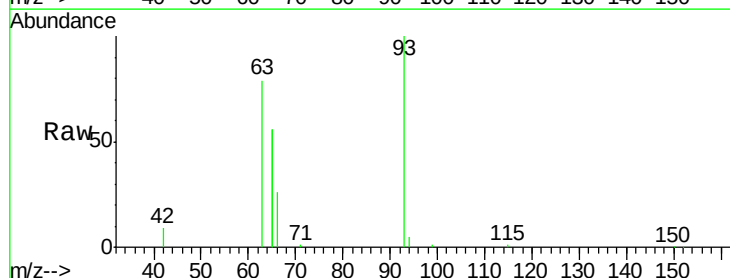
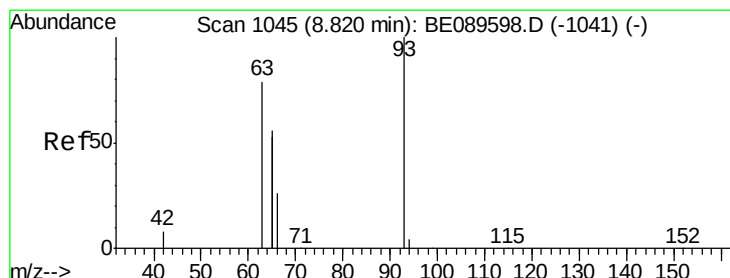
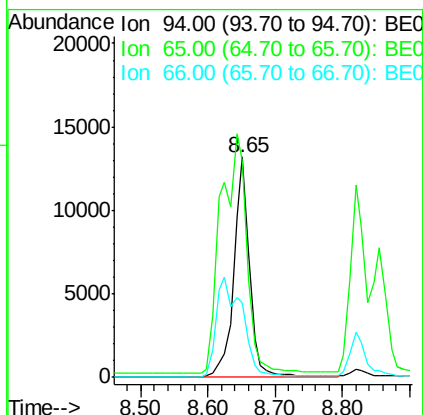
Tgt Ion: 94 Resp: 21264

Ion Ratio Lower Upper

94 100

65 98.6 78.6 118.6

66 34.0 14.0 54.0



#6

bis(2-Chloroethyl)ether

Concen: 0.97 ng

RT: 8.82 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

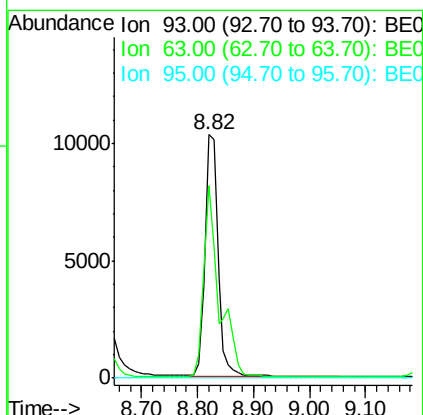
Tgt Ion: 93 Resp: 16780

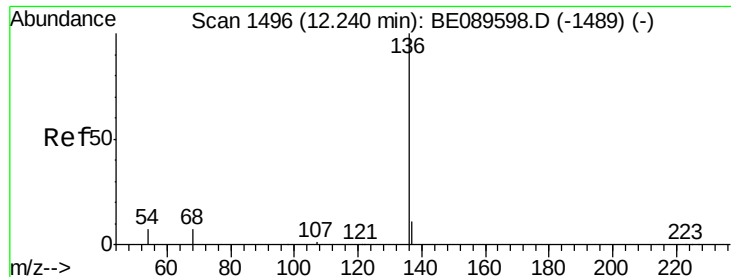
Ion Ratio Lower Upper

93 100

63 93.3 74.6 112.0

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

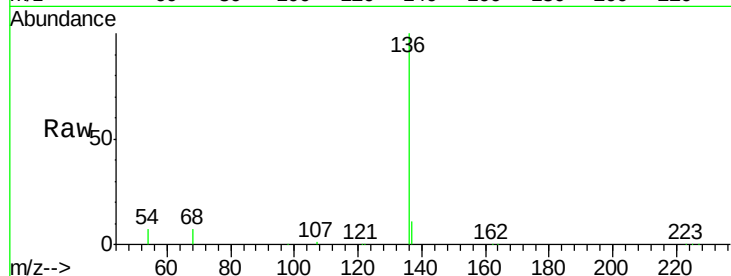
Tgt Ion: 136 Resp: 222422

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

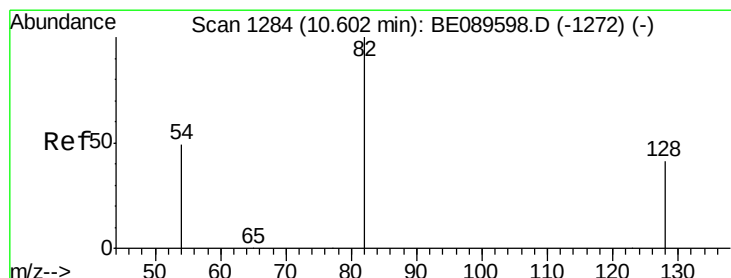
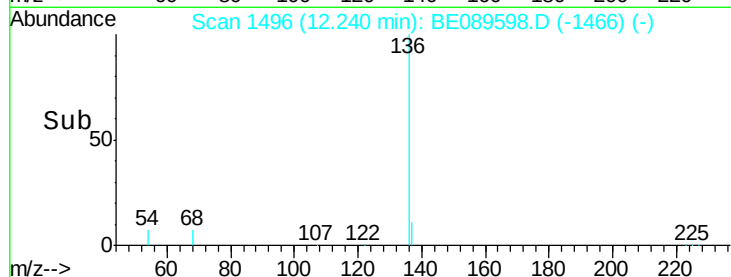
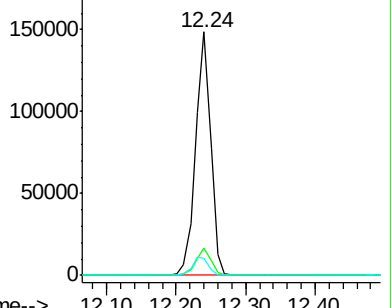
54 7.1 5.7 8.5



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: 1.00 ng

RT: 10.60 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

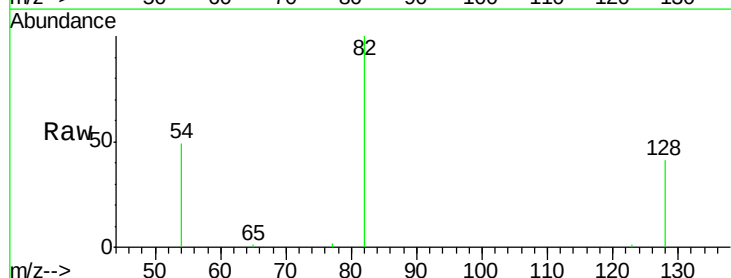
Tgt Ion: 82 Resp: 9213

Ion Ratio Lower Upper

82 100

128 41.5 33.2 49.8

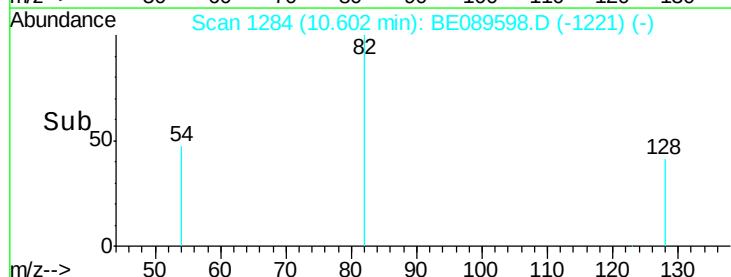
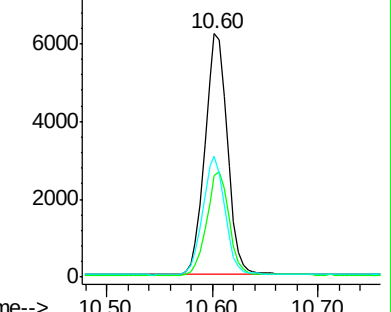
54 49.5 39.6 59.4

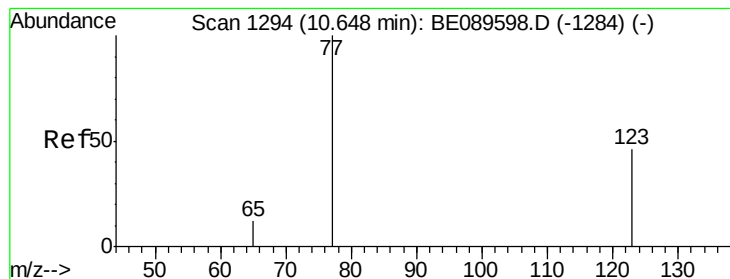


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 1.05 ng

RT: 10.65 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

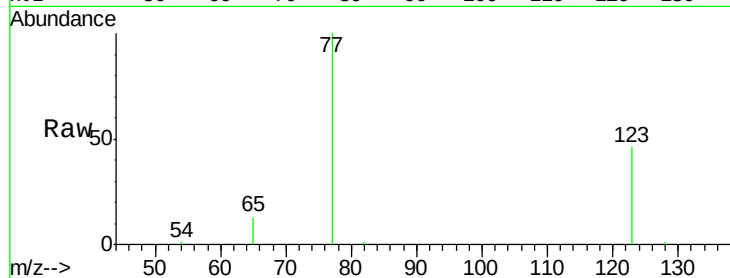
Tgt Ion: 77 Resp: 11469

Ion Ratio Lower Upper

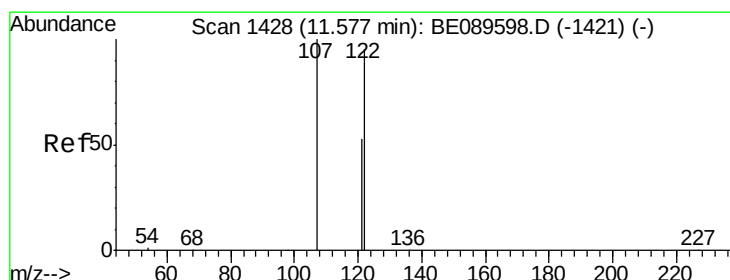
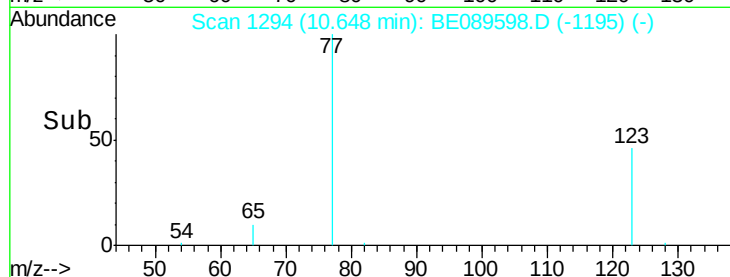
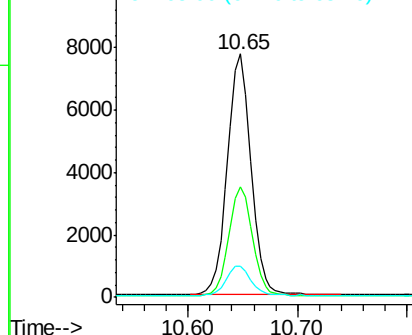
77 100

123 45.6 36.5 54.7

65 12.8 10.2 15.4



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: 0.92 ng

RT: 11.58 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

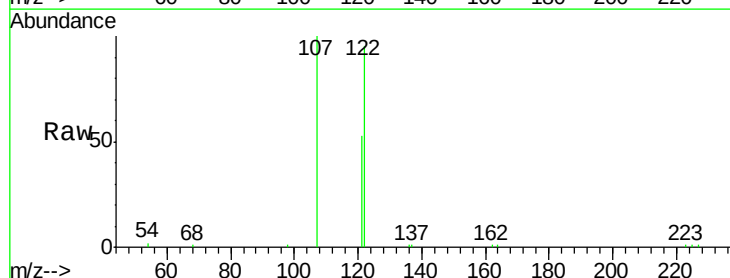
Tgt Ion: 122 Resp: 11503

Ion Ratio Lower Upper

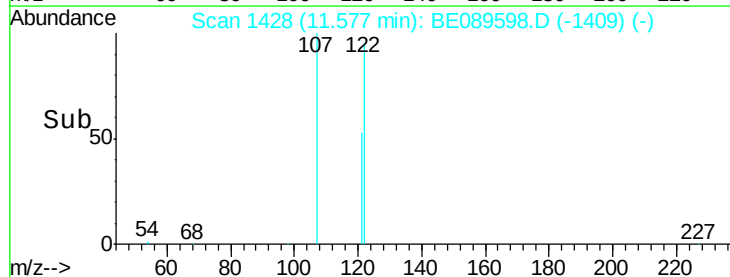
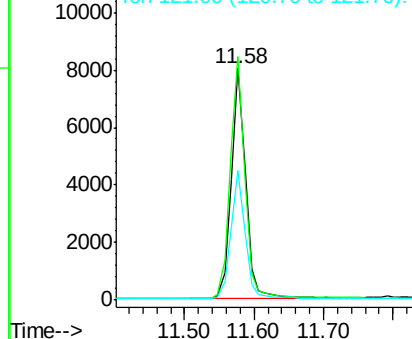
122 100

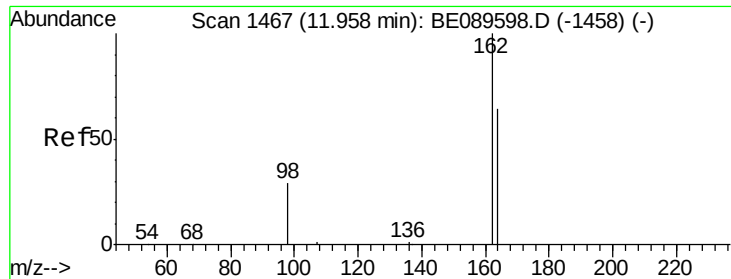
107 104.9 83.9 125.9

121 56.1 44.9 67.3



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

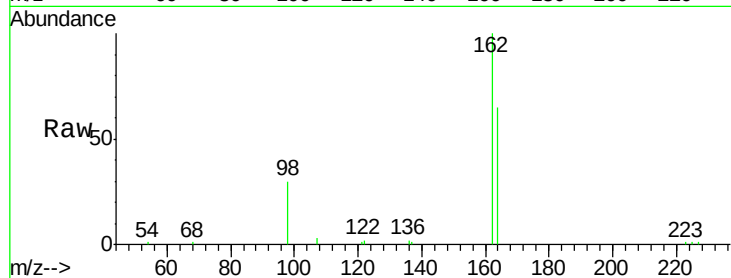




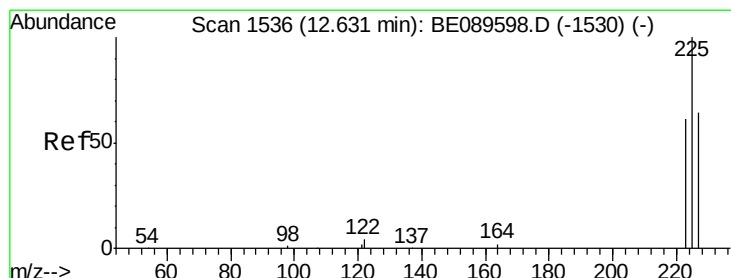
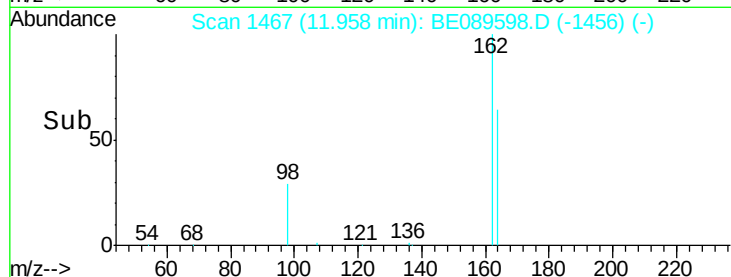
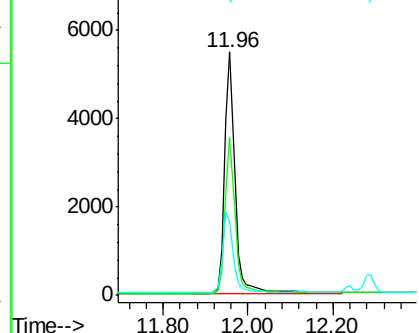
#11
 2,4-Dichlorophenol
 Concen: 0.94 ng
 RT: 11.96 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BE089598.D
 Acq: 17 Feb 2015 17:06

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Tgt Ion:162 Resp: 9246
 Ion Ratio Lower Upper
 162 100
 164 64.7 44.7 84.7
 98 30.3 10.3 50.3

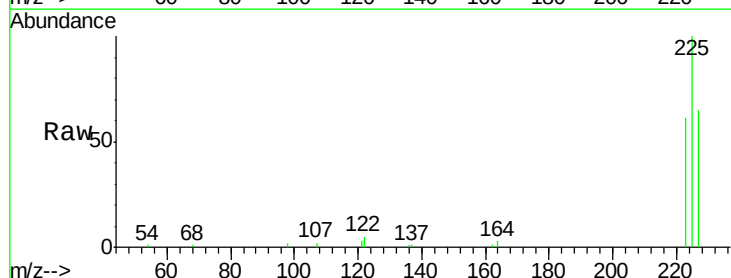


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BE0

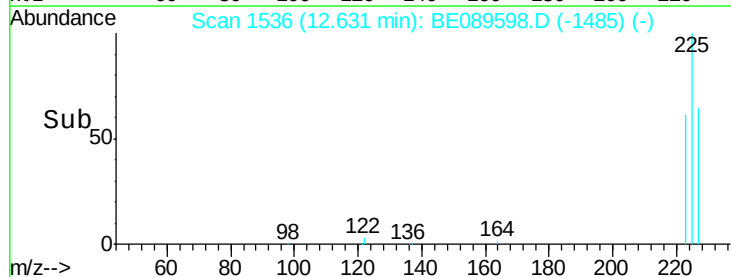
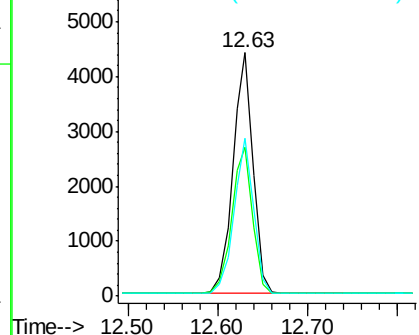


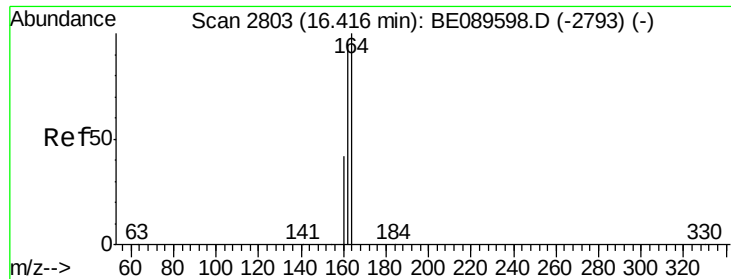
#12
 Hexachlorobutadiene
 Concen: 1.01 ng
 RT: 12.63 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BE089598.D
 Acq: 17 Feb 2015 17:06

Tgt Ion:225 Resp: 6914
 Ion Ratio Lower Upper
 225 100
 223 62.9 50.3 75.5
 227 63.2 50.6 75.8



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: 16.42 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

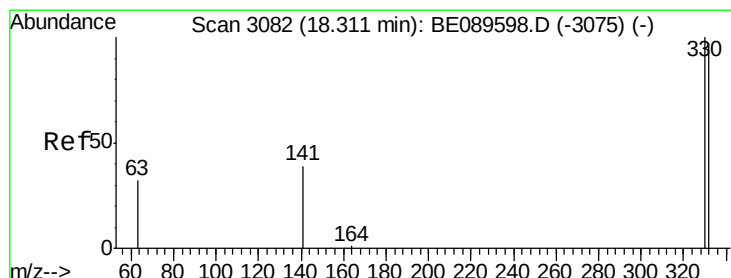
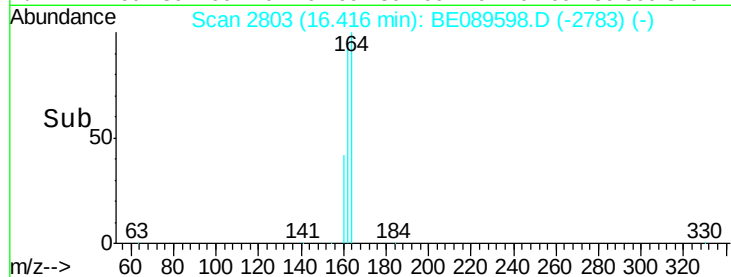
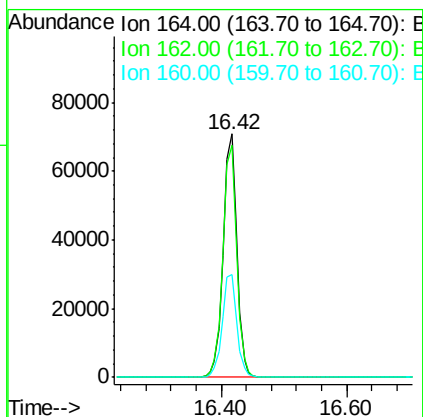
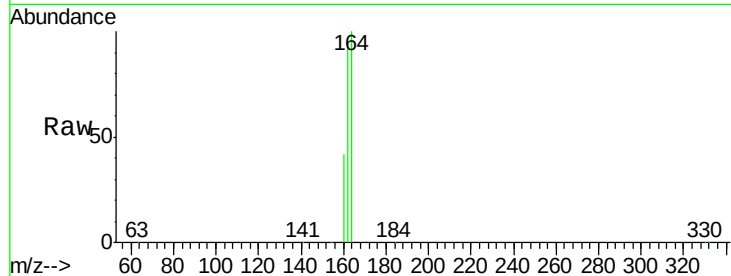
Tgt Ion:164 Resp: 107079

Ion Ratio Lower Upper

164 100

162 95.4 76.3 114.5

160 42.4 33.9 50.9



#14

2,4,6-Tribromophenol

Concen: 0.79 ng

RT: 18.31 min Scan# 3082

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

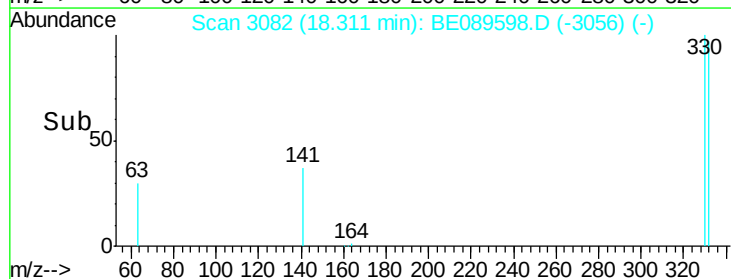
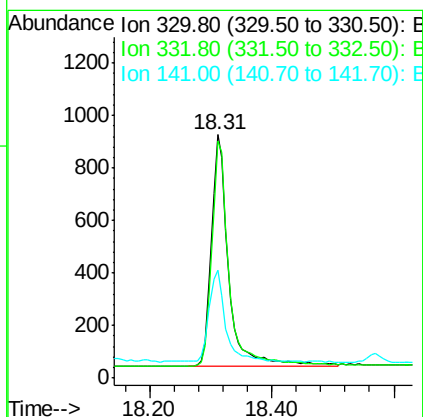
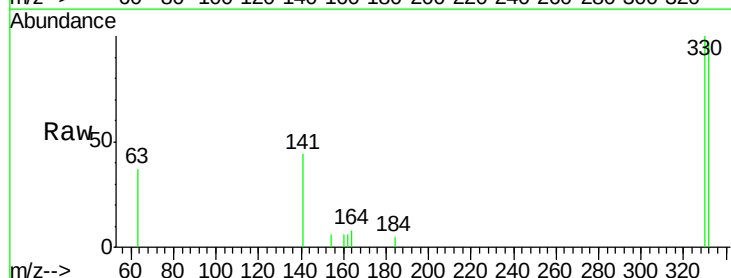
Tgt Ion:330 Resp: 1746

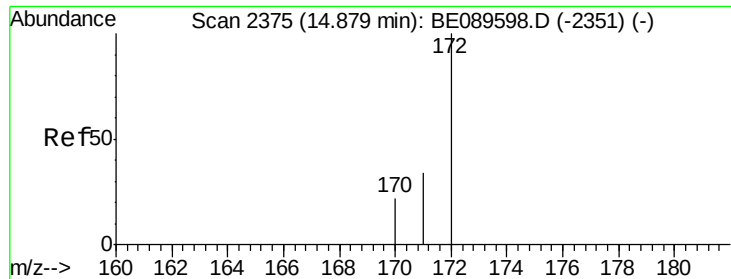
Ion Ratio Lower Upper

330 100

332 95.9 76.7 115.1

141 37.6 30.1 45.1

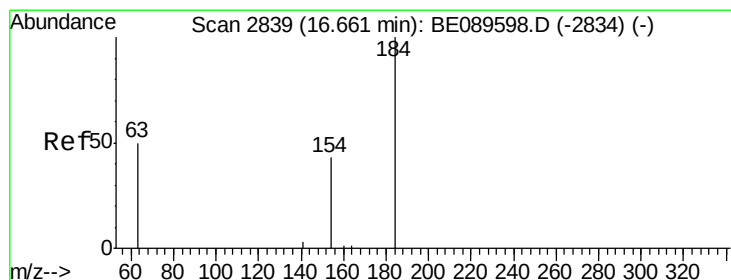
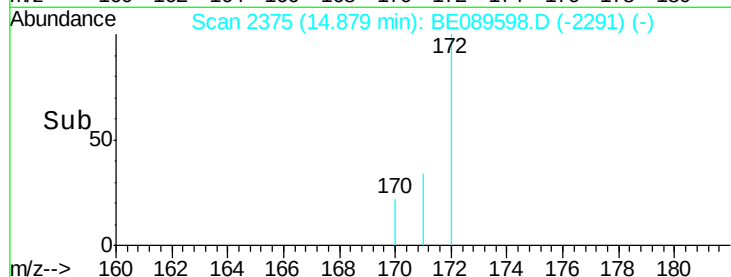
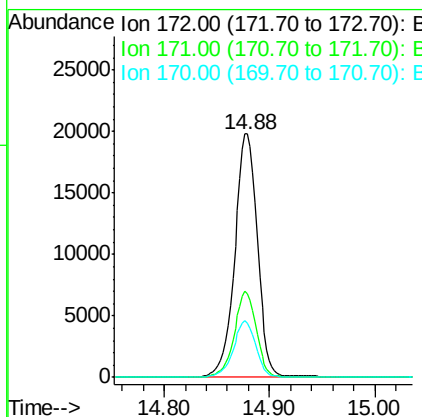
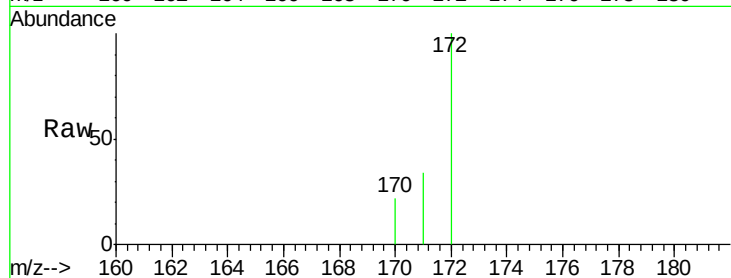




#15
2-Fluorobiphenyl
Concen: 1.01 ng
RT: 14.88 min Scan# 2375
Delta R.T. 0.00 min
Lab File: BE089598.D
Acq: 17 Feb 2015 17:06

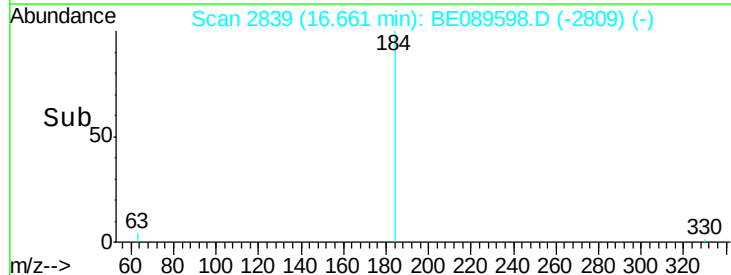
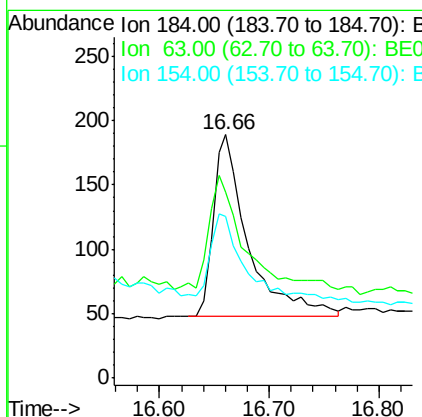
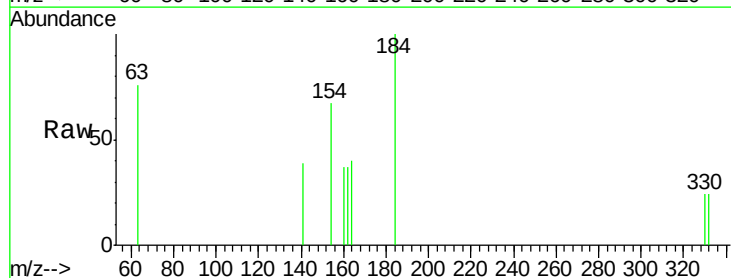
Instrument :
BNA_E
LabSampleId :
SSTDICCC001

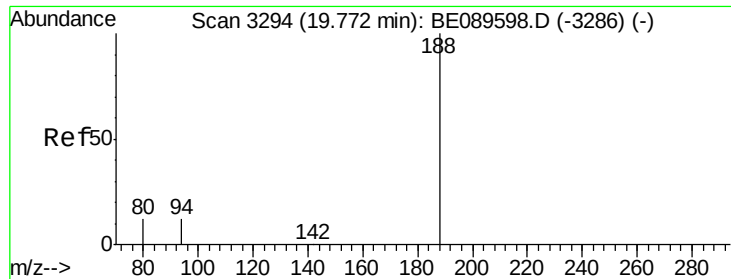
Tgt Ion:172 Resp: 29208
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 22.4 17.9 26.9



#16
2,4-Dinitrophenol
Concen: 0.82 ng
RT: 16.66 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BE089598.D
Acq: 17 Feb 2015 17:06

Tgt Ion:184 Resp: 311
Ion Ratio Lower Upper
184 100
63 76.2 61.0 91.4
154 66.7 53.4 80.0





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3294

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

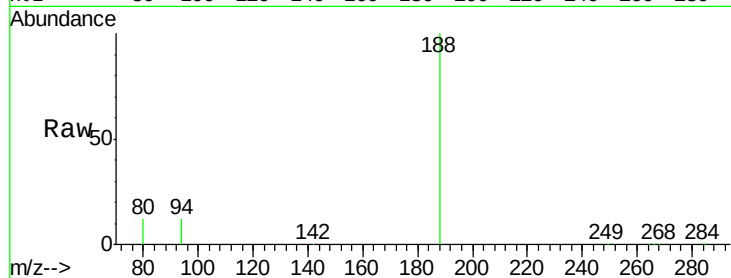
Tgt Ion:188 Resp: 205881

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

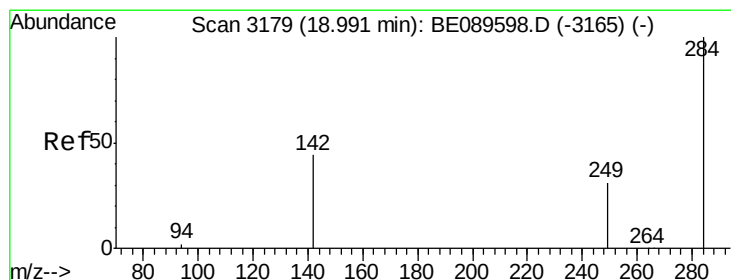
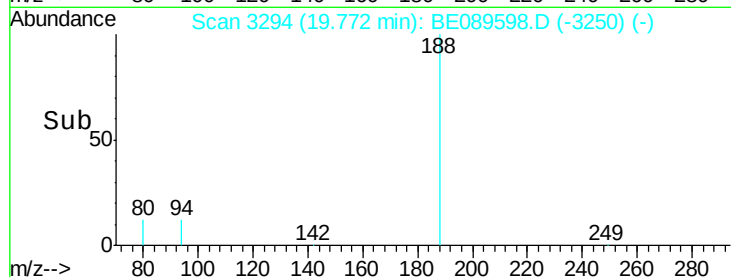
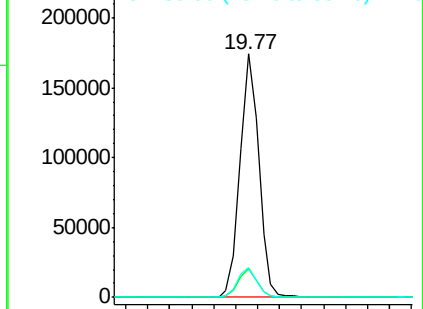
80 12.3 9.8 14.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18

Hexachlorobenzene

Concen: 1.03 ng

RT: 18.99 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

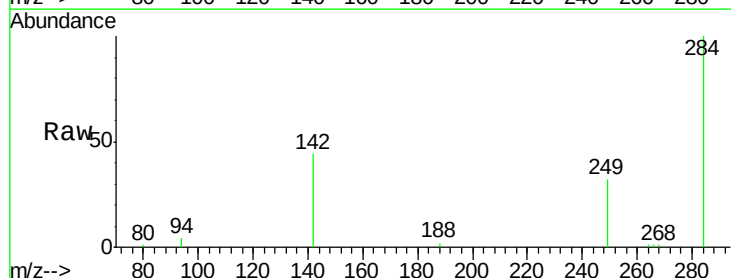
Tgt Ion:284 Resp: 8962

Ion Ratio Lower Upper

284 100

142 44.5 35.6 53.4

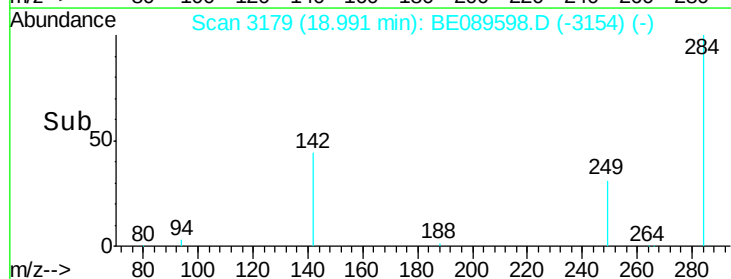
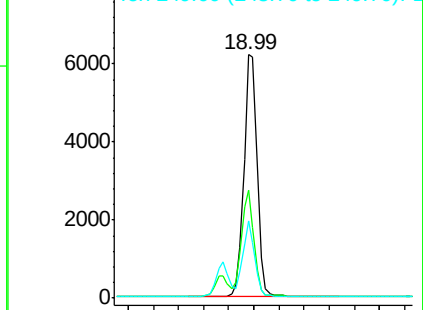
249 31.5 25.2 37.8

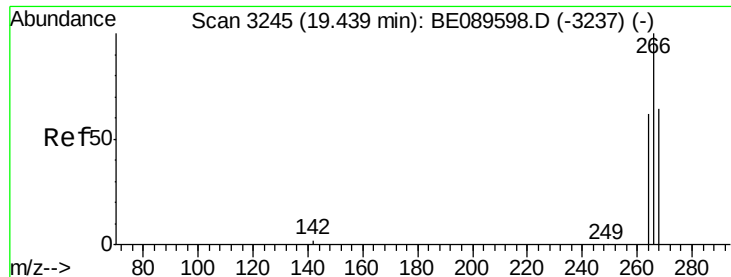


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#19

Pentachlorophenol

Concen: 0.81 ng

RT: 19.44 min Scan# 3245

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

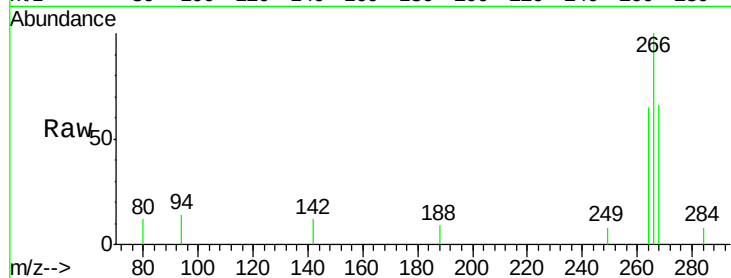
Tgt Ion:266 Resp: 1186

Ion Ratio Lower Upper

266 100

268 66.2 53.0 79.4

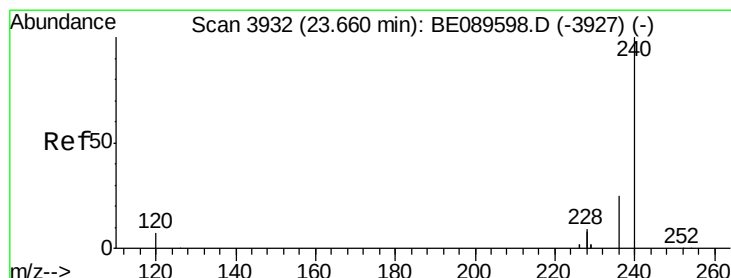
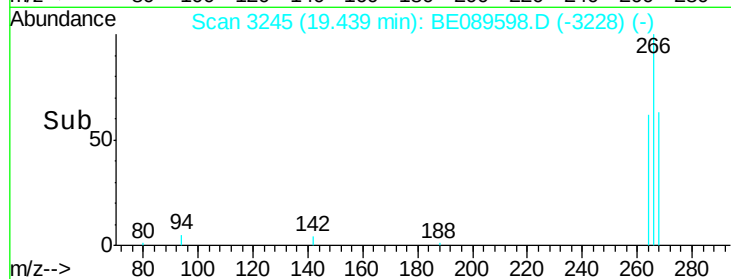
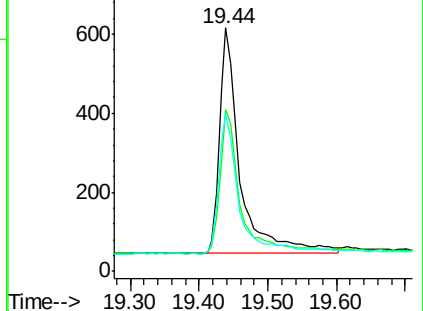
264 64.9 51.9 77.9



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: 23.66 min Scan# 3932

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

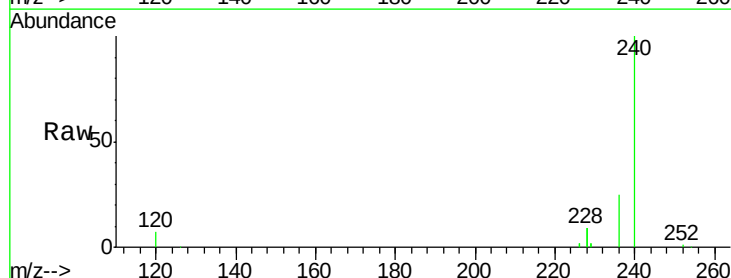
Tgt Ion:240 Resp: 226397

Ion Ratio Lower Upper

240 100

120 6.7 5.4 8.0

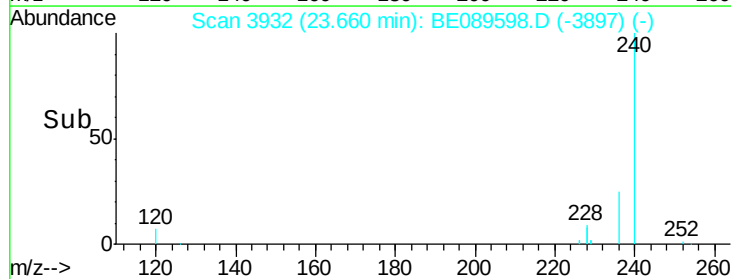
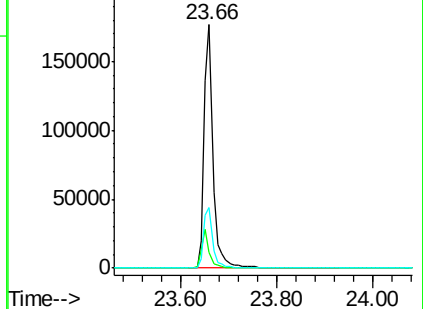
236 24.7 19.8 29.6

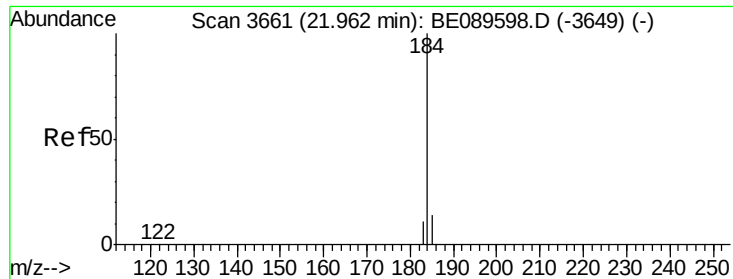


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.64 ng

RT: 21.96 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

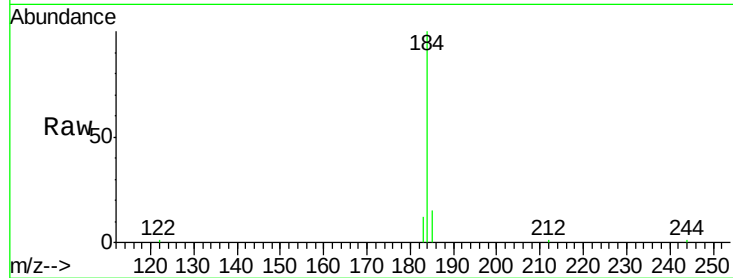
Tgt Ion:184 Resp: 10907

Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.8

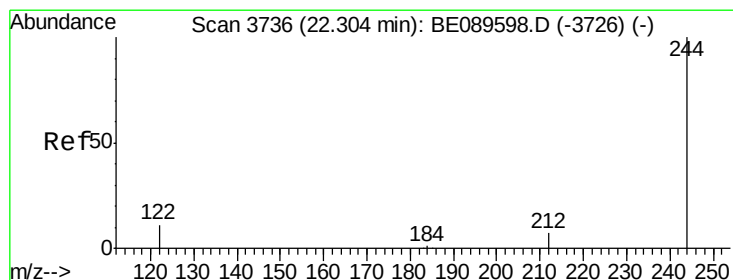
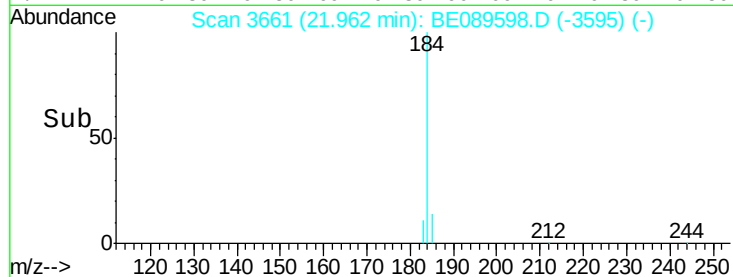
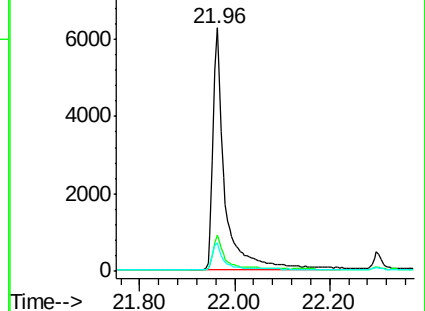
183 11.6 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#22

Terphenyl-d14

Concen: 0.98 ng

RT: 22.30 min Scan# 3736

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

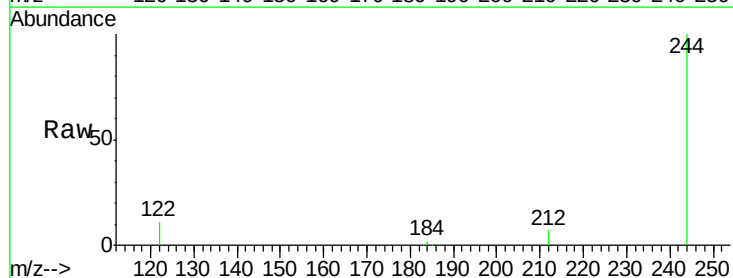
Tgt Ion:244 Resp: 30018

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

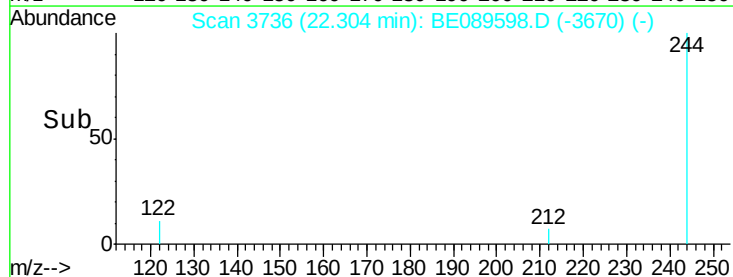
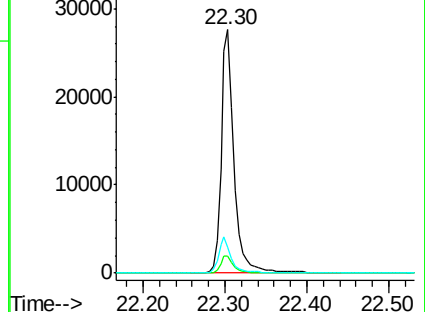
122 10.8 8.6 13.0

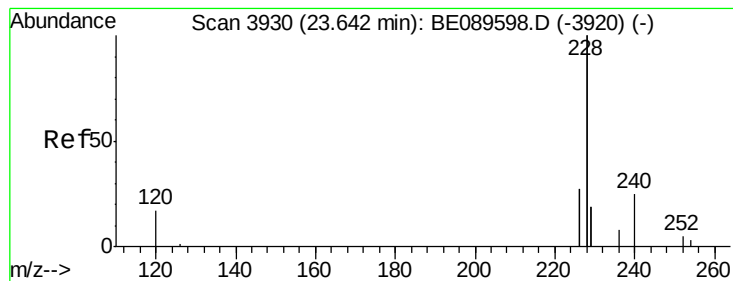


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 0.89 ng

RT: 23.64 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

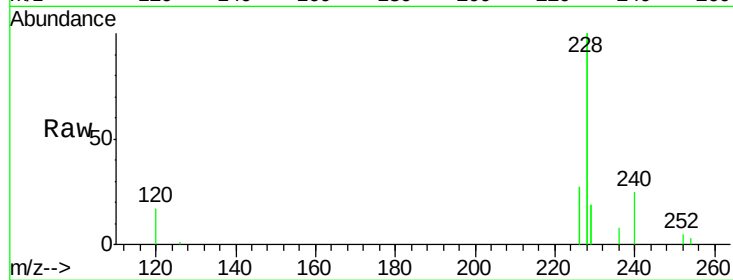
Tgt Ion:228 Resp: 189096

Ion Ratio Lower Upper

228 100

226 26.9 21.5 32.3

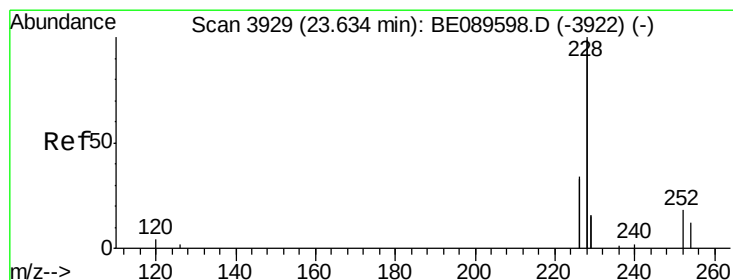
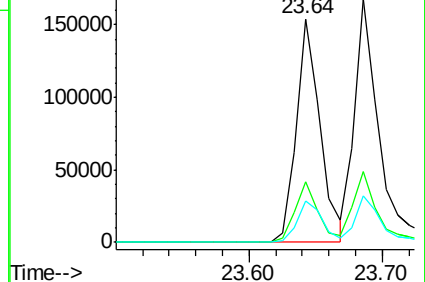
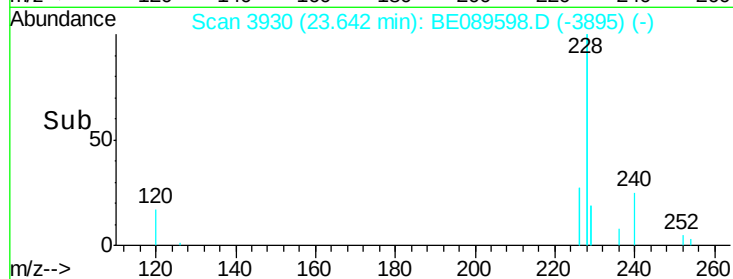
229 18.8 15.0 22.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 0.67 ng

RT: 23.63 min Scan# 3929

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

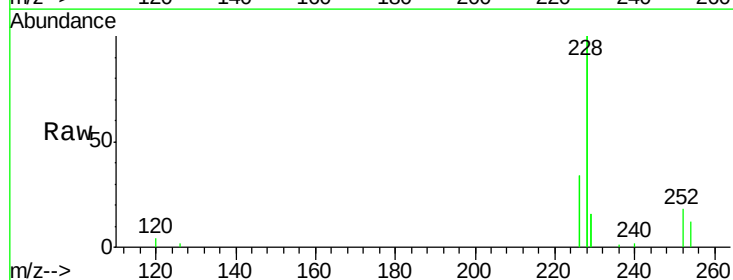
Tgt Ion:252 Resp: 9190

Ion Ratio Lower Upper

252 100

254 64.6 51.7 77.5

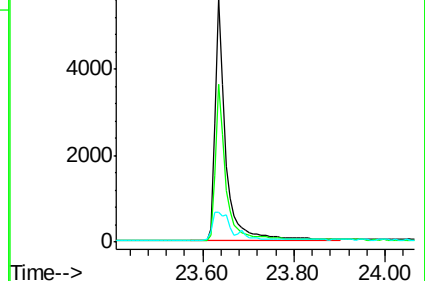
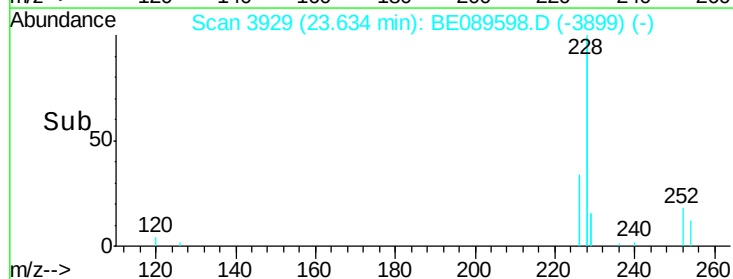
126 12.4 9.9 14.9

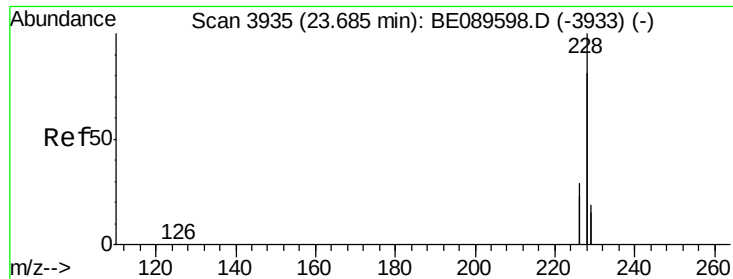


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 1.03 ng

RT: 23.69 min Scan# 3935

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

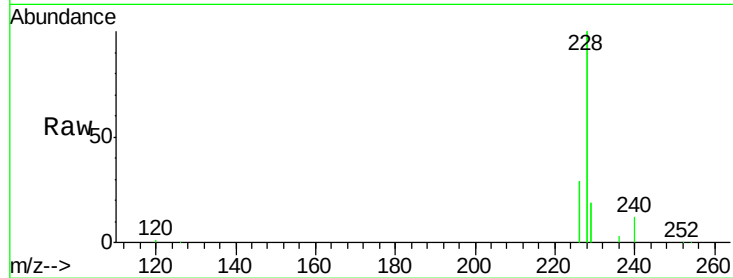
Tgt Ion:228 Resp: 224513

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

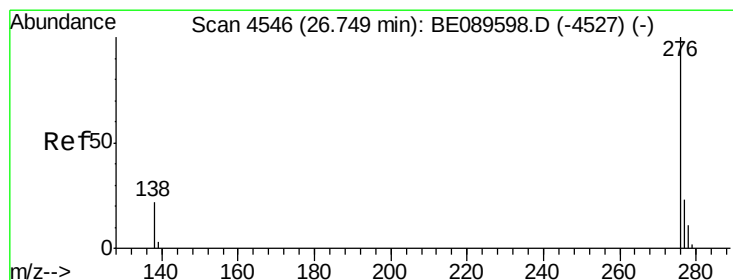
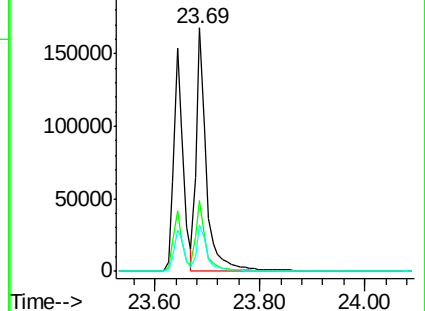
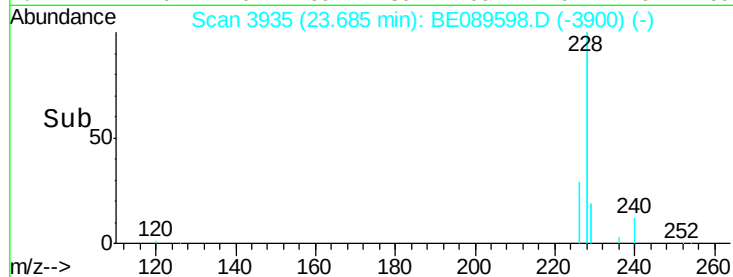
229 19.1 15.3 22.9



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.80 ng

RT: 26.75 min Scan# 4546

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

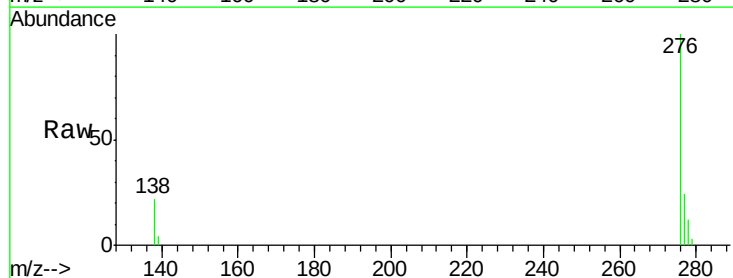
Tgt Ion:276 Resp: 38085

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

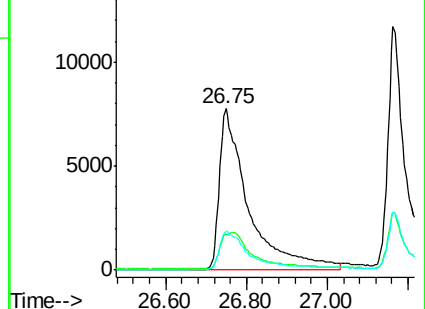
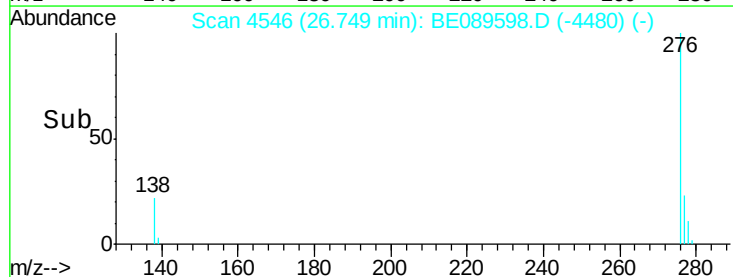
277 24.9 19.9 29.9

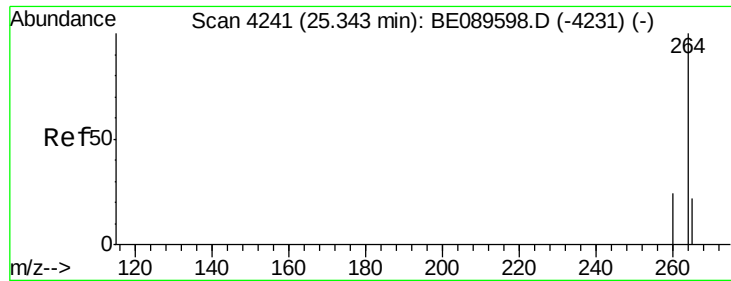


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

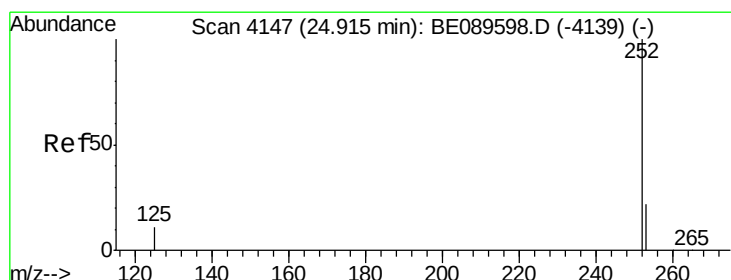
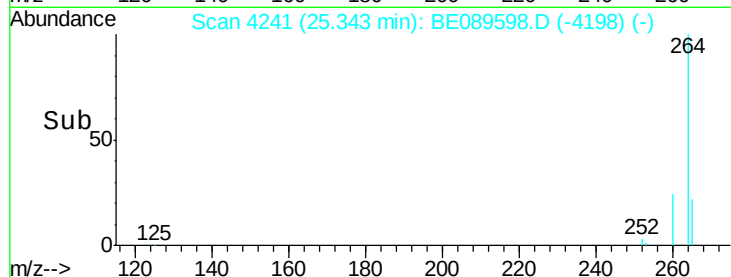
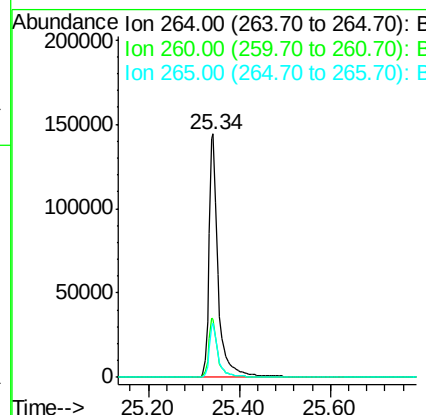
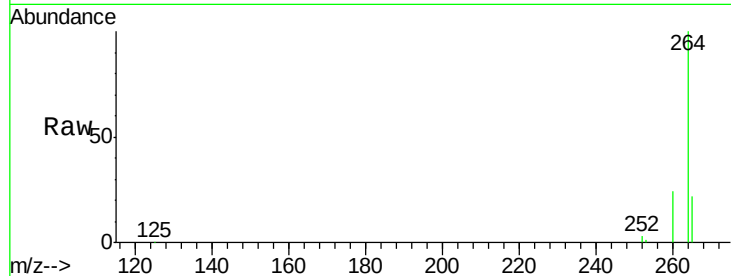




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4241
 Delta R.T. 0.00 min
 Lab File: BE089598.D
 Acq: 17 Feb 2015 17:06

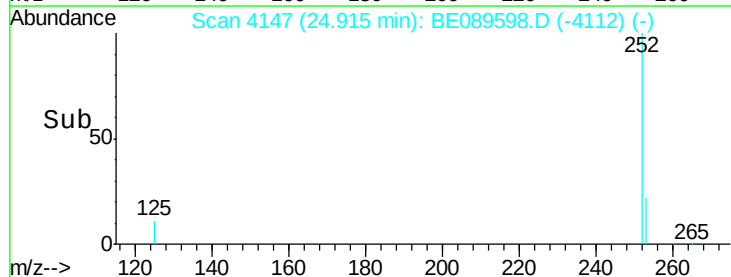
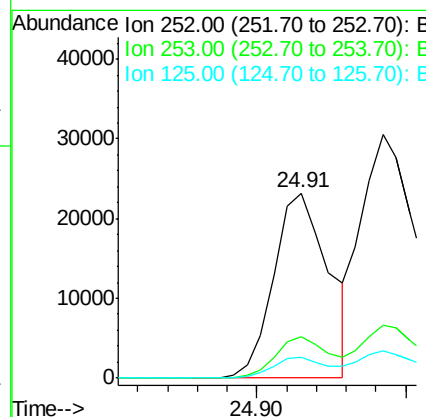
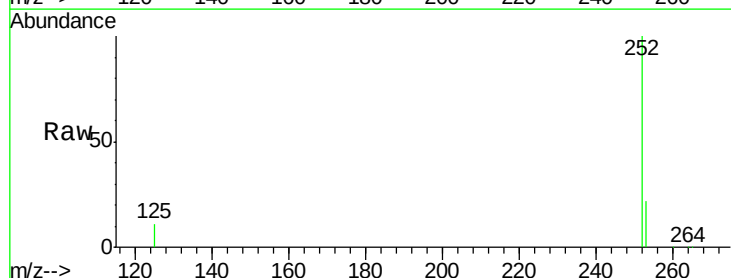
Instrument :
 BNA_E
 LabSampleId :
 SSTD1CCC001

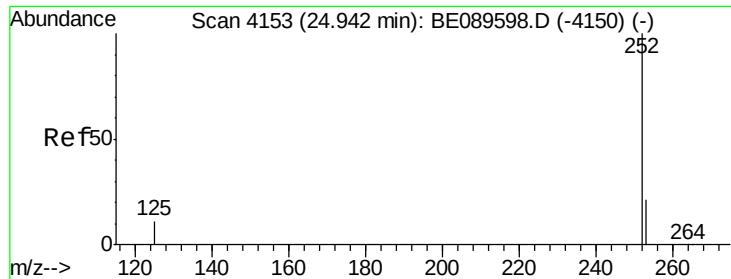
Tgt Ion: 264 Resp: 203117
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 22.3 17.8 26.8



#28
Benzo(b)fluoranthene
 Concen: 0.78 ng
 RT: 24.91 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: BE089598.D
 Acq: 17 Feb 2015 17:06

Tgt Ion: 252 Resp: 29534
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.8
 125 11.1 8.9 13.3





#29

Benzo(k)fluoranthene

Concen: 1.06 ng

RT: 24.94 min Scan# 4153

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

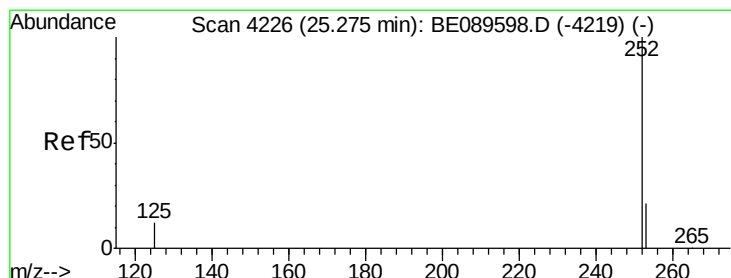
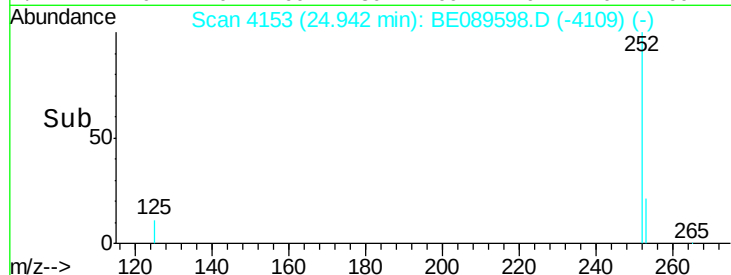
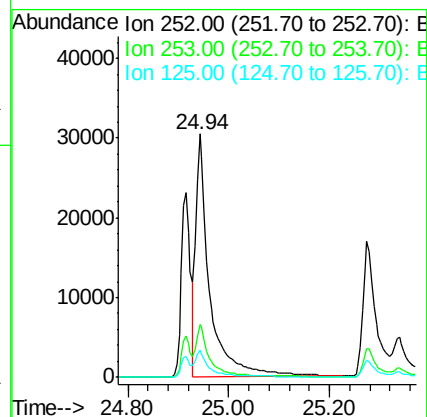
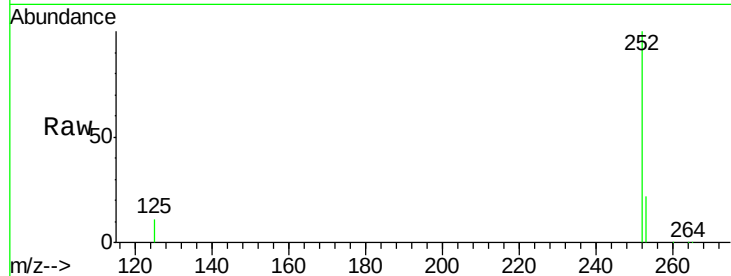
Tgt Ion:252 Resp: 57842

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 11.1 8.9 13.3



#30

Benzo(a)pyrene

Concen: 0.80 ng

RT: 25.27 min Scan# 4226

Delta R.T. 0.00 min

Lab File: BE089598.D

Acq: 17 Feb 2015 17:06

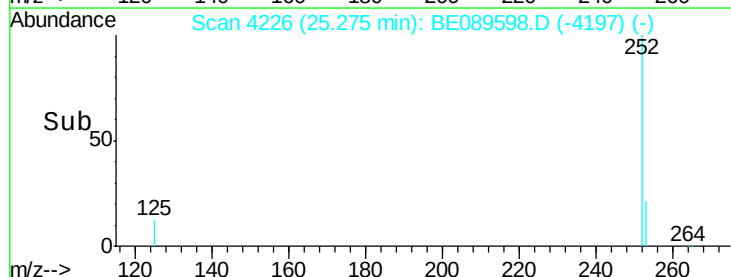
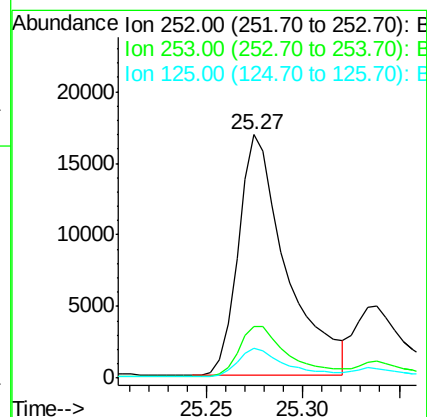
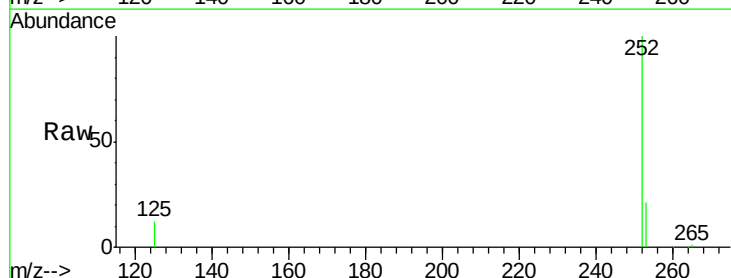
Tgt Ion:252 Resp: 29081

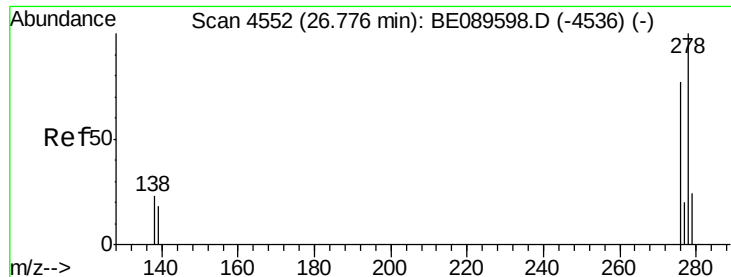
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 12.3 9.8 14.8





#31

Dibenzo(a,h)anthracene

Concen: 0.80 ng

RT: 26.78 min Scan# 4552

Delta R.T. 0.00 min

Lab File: BE089598.D

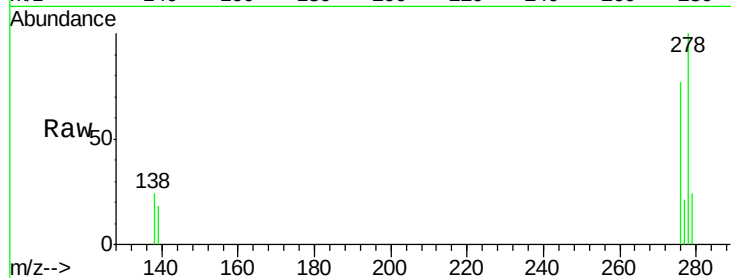
Acq: 17 Feb 2015 17:06

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



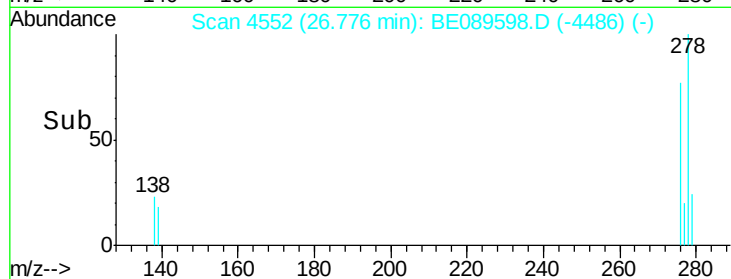
Tgt Ion: 278 Resp: 29223

Ion Ratio Lower Upper

278 100

139 18.2 14.6 21.8

279 24.2 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

