

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021715\
 Data File : BE089597.D
 Acq On : 17 Feb 2015 16:28
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 18 01:35:33 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	54763	5.00	ng	0.00
7) Naphthalene-d8	12.24	136	220033	5.00	ng	0.00
13) Acenaphthene-d10	16.41	164	107332	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	208684	5.00	ng	0.00
20) Chrysene-d12	23.65	240	216299	5.00	ng	0.00
27) Perylene-d12	25.34	264	188362	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.51	112	11607	0.76	ng	0.00
4) Phenol-d6	8.62	99	15249	0.74	ng	0.00
8) Nitrobenzene-d5	10.60	82	7088	0.78	ng	0.00
14) 2,4,6-Tribromophenol	18.31	330	1362	0.61	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	23653	0.82	ng	0.00
22) Terphenyl-d14	22.30	244	24341	0.83	ng	0.00

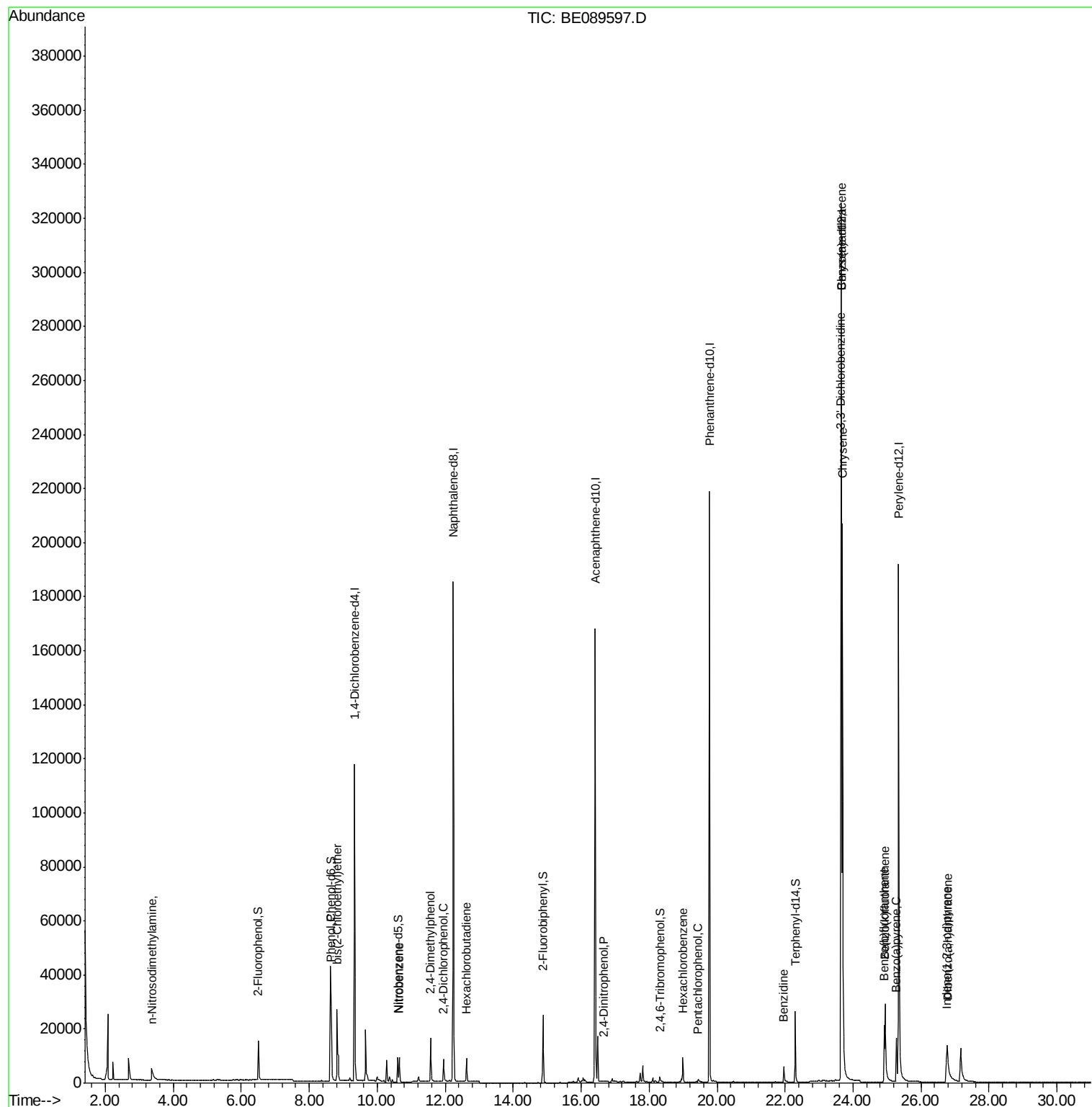
Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.37	42	5666m	0.72	ng	
5) Phenol	8.65	94	16622	0.76	ng	97
6) bis(2-Chloroethyl)ether	8.82	93	13468	0.80	ng	# 100
9) Nitrobenzene	10.65	77	8714	0.81	ng	99
10) 2,4-Dimethylphenol	11.58	122	8923	0.72	ng	98
11) 2,4-Dichlorophenol	11.96	162	7108	0.73	ng	98
12) Hexachlorobutadiene	12.63	225	5584	0.83	ng	99
16) 2,4-Dinitrophenol	16.66	184	251	0.66	ng	93
18) Hexachlorobenzene	18.99	284	7398	0.84	ng	99
19) Pentachlorophenol	19.44	266	872	0.58	ng	99
21) Benzidine	21.96	184	7877	0.49	ng	99
23) Benzo(a)anthracene	23.64	228	147286	0.73	ng	100
24) 3,3'-Dichlorobenzidine	23.64	252	6561	0.50	ng	99
25) Chrysene	23.69	228	174282	0.83	ng	99
26) Indeno(1,2,3-cd)pyrene	26.75	276	27775	0.61	ng	# 99
28) Benzo(b)fluoranthene	24.91	252	19569	0.55	ng	98
29) Benzo(k)fluoranthene	24.94	252	45508	0.90	ng	99
30) Benzo(a)pyrene	25.28	252	20834	0.62	ng	99
31) Dibenzo(a,h)anthracene	26.78	278	21324	0.63	ng	99

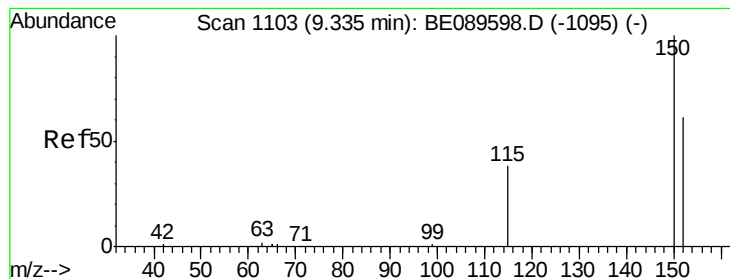
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.33 min Scan# 1103

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

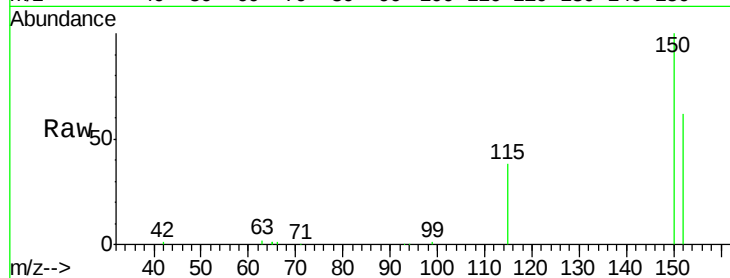
Tgt Ion:152 Resp: 54763

Ion Ratio Lower Upper

152 100

150 162.6 130.7 196.1

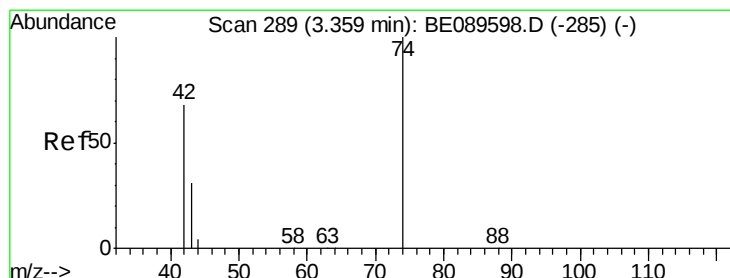
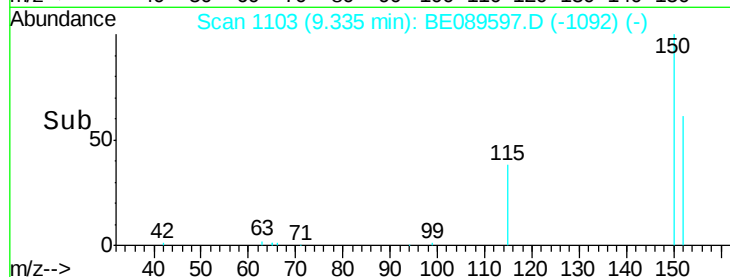
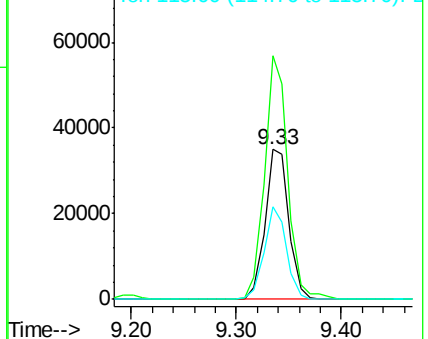
115 62.1 49.6 74.4



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: 0.72 ng m

RT: 3.37 min Scan# 290

Delta R.T. 0.01 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

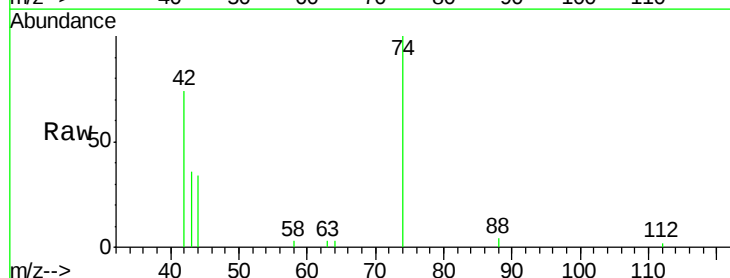
Tgt Ion: 42 Resp: 5666

Ion Ratio Lower Upper

42 100

74 135.5 114.6 171.8

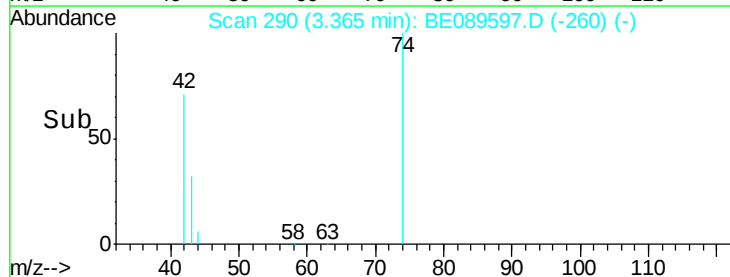
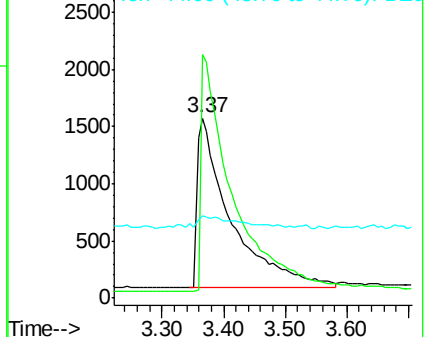
44 46.2 27.5 41.3#

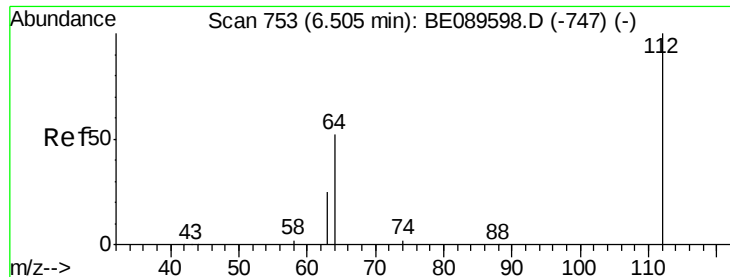


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 0.76 ng

RT: 6.51 min Scan# 753

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

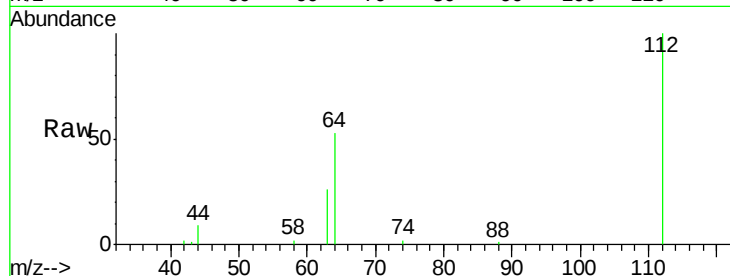
Tgt Ion: 112 Resp: 11607

Ion Ratio Lower Upper

112 100

64 53.3 41.7 62.5

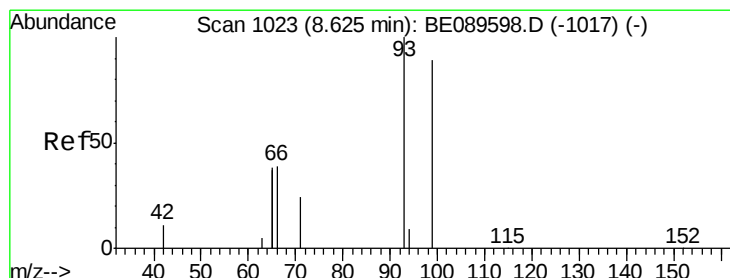
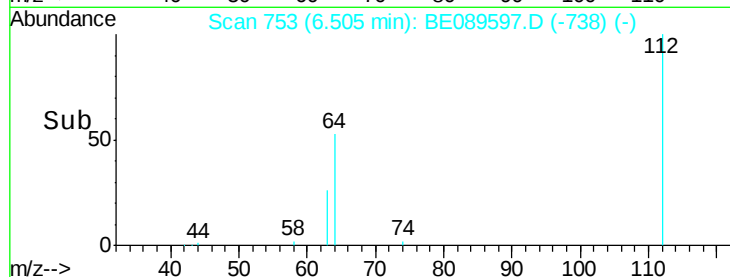
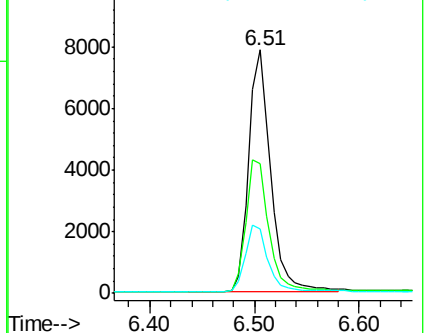
63 26.4 20.3 30.5



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: 0.74 ng

RT: 8.62 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

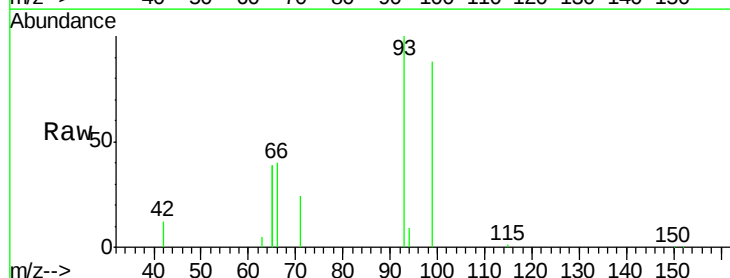
Tgt Ion: 99 Resp: 15249

Ion Ratio Lower Upper

99 100

42 13.9 10.8 16.2

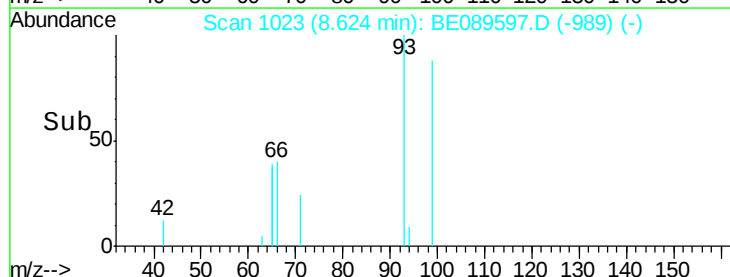
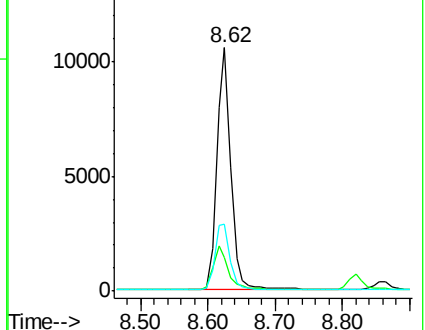
71 27.8 21.8 32.6

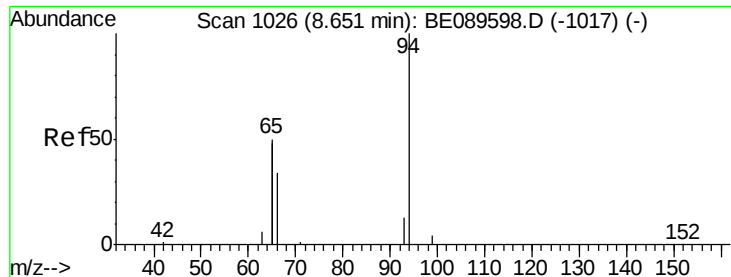


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.76 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

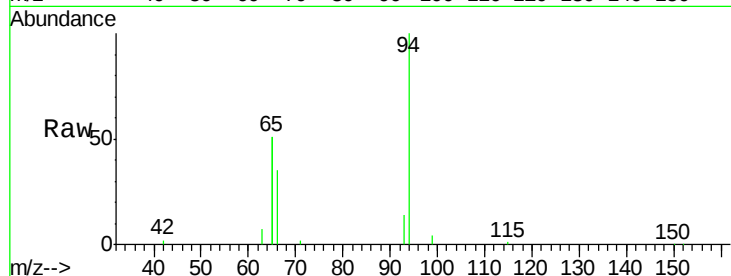
Tgt Ion: 94 Resp: 16622

Ion Ratio Lower Upper

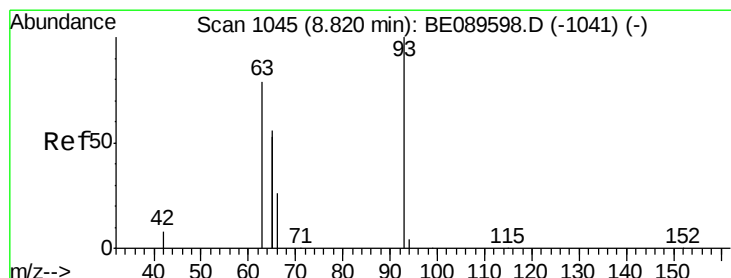
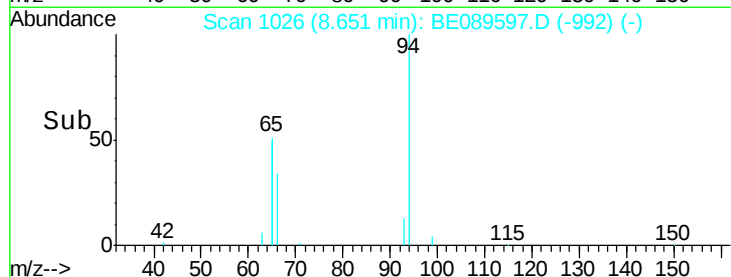
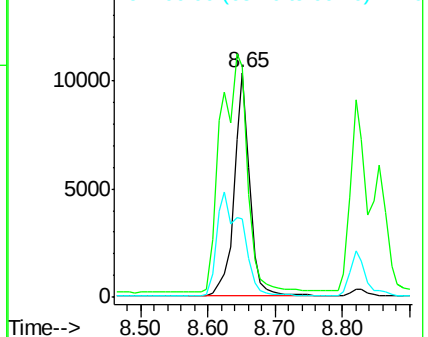
94 100

65 102.5 78.6 118.6

66 34.7 14.0 54.0



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: 0.80 ng

RT: 8.82 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

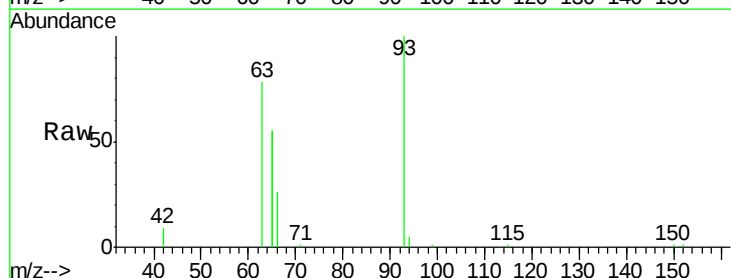
Tgt Ion: 93 Resp: 13468

Ion Ratio Lower Upper

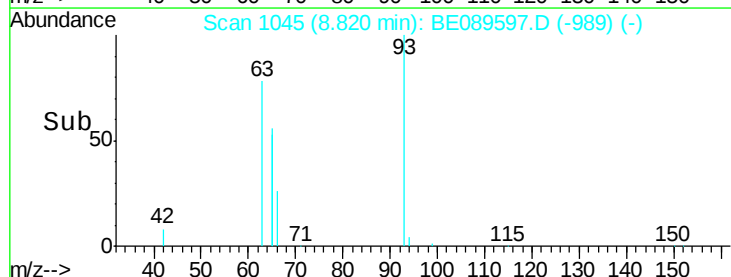
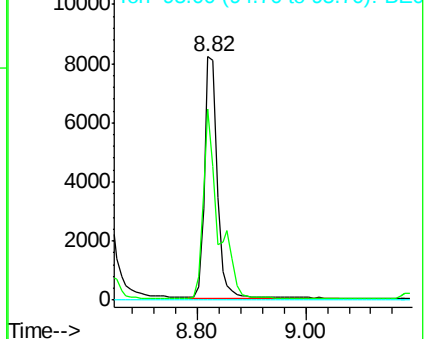
93 100

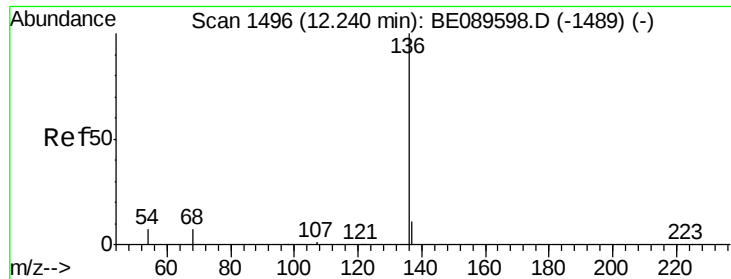
63 93.4 74.6 112.0

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: 12.24 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

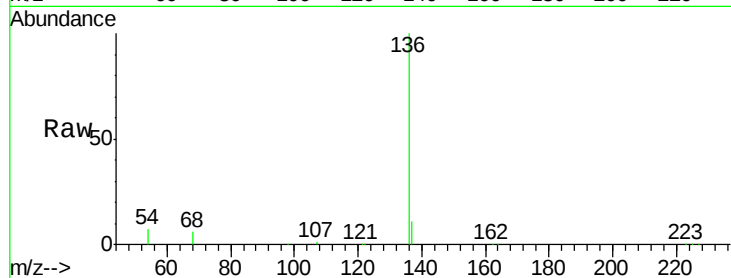
Tgt Ion:136 Resp: 220033

Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

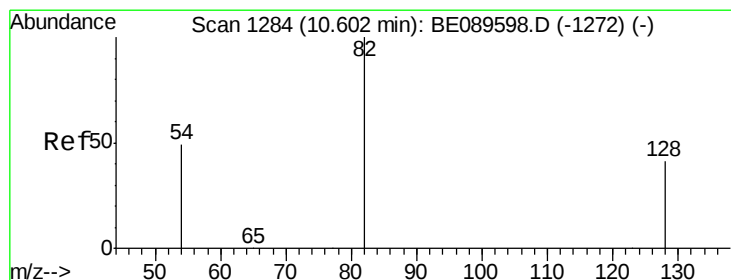
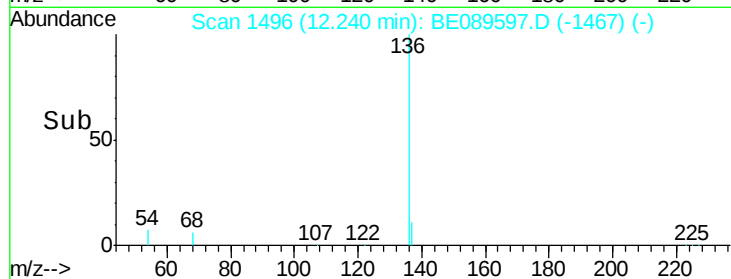
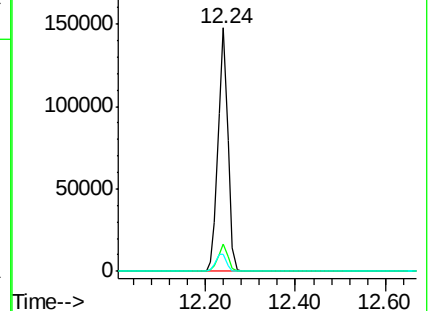
54 7.1 5.7 8.5



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: 0.78 ng

RT: 10.60 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

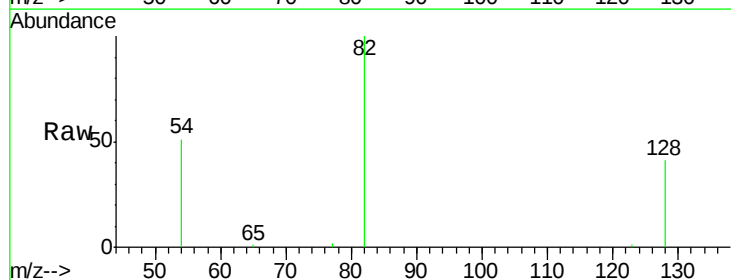
Tgt Ion: 82 Resp: 7088

Ion Ratio Lower Upper

82 100

128 40.6 33.2 49.8

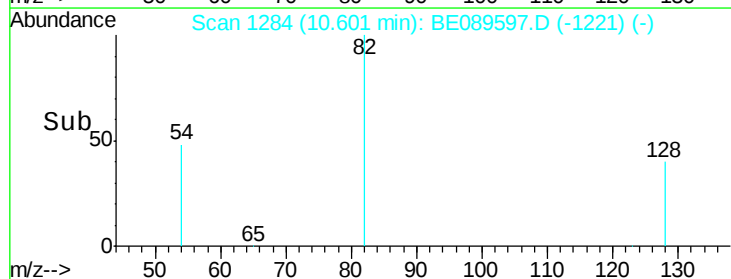
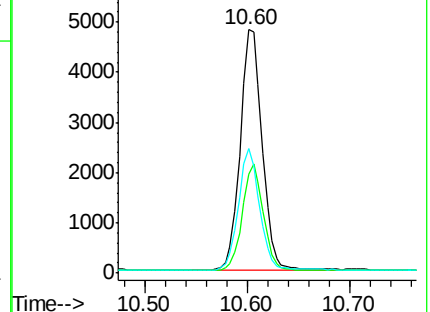
54 51.1 39.6 59.4

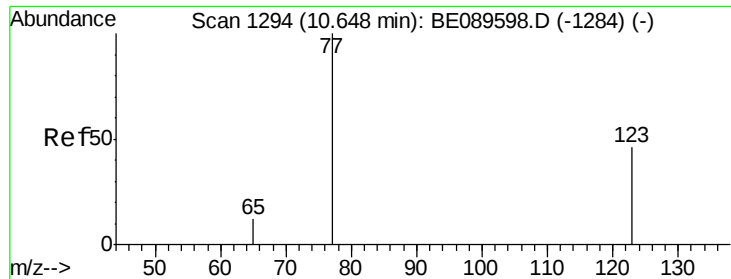


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.81 ng

RT: 10.65 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

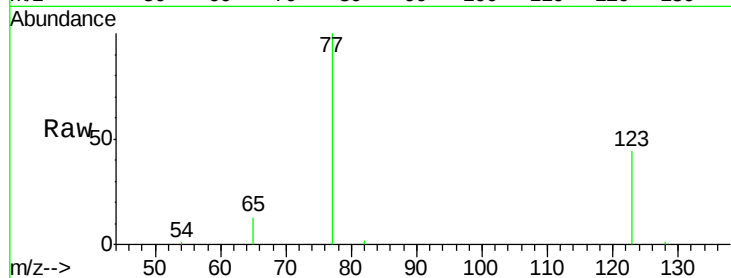
Tgt Ion: 77 Resp: 8714

Ion Ratio Lower Upper

77 100

123 44.6 36.5 54.7

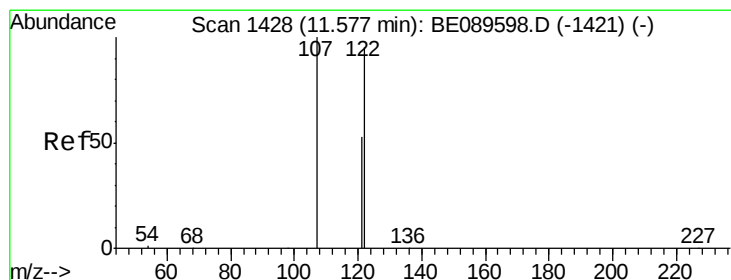
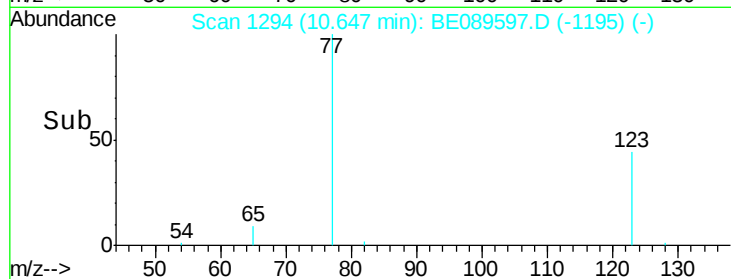
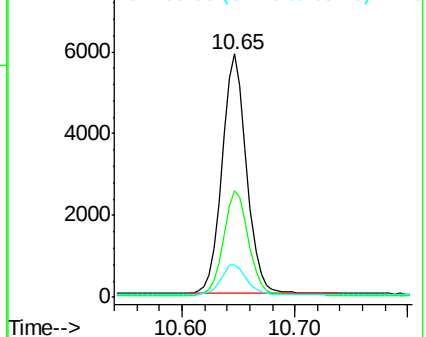
65 12.8 10.2 15.4



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: 0.72 ng

RT: 11.58 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

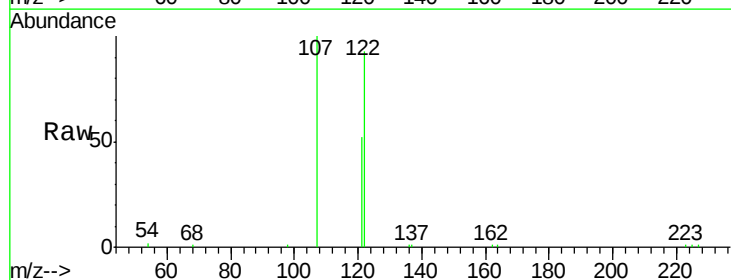
Tgt Ion: 122 Resp: 8923

Ion Ratio Lower Upper

122 100

107 107.7 83.9 125.9

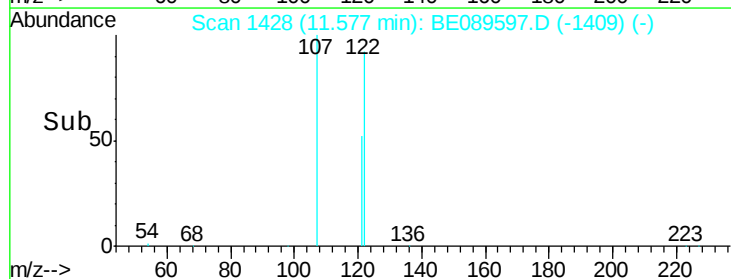
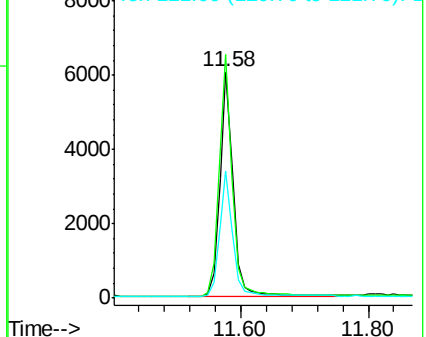
121 56.0 44.9 67.3

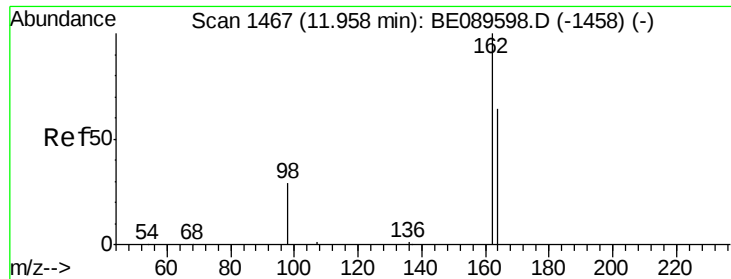


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

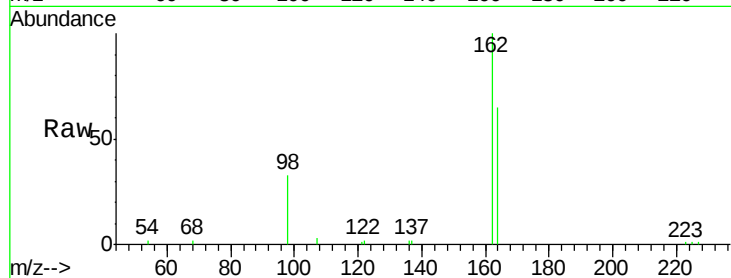




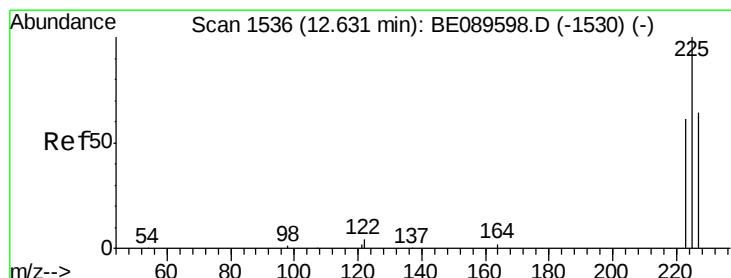
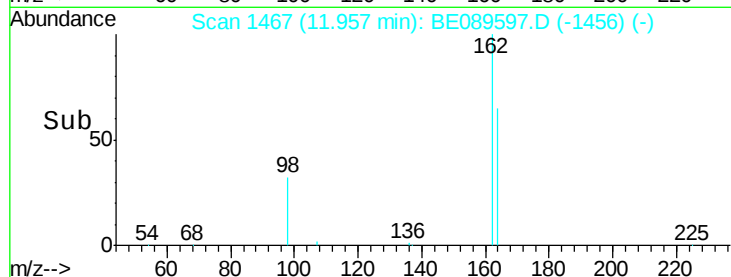
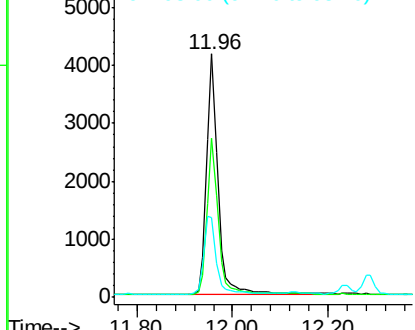
#11
2,4-Dichlorophenol
Concen: 0.73 ng
RT: 11.96 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE089597.D
Acq: 17 Feb 2015 16:28

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tgt Ion:162 Resp: 7108
Ion Ratio Lower Upper
162 100
164 65.2 44.7 84.7
98 32.7 10.3 50.3

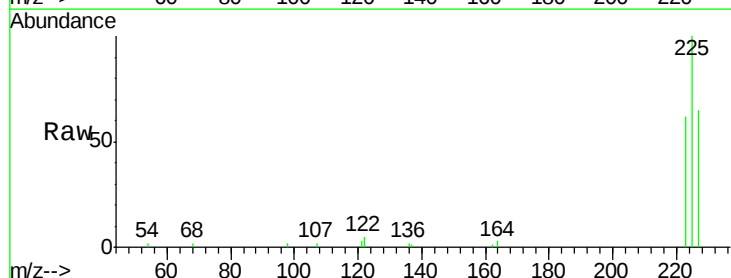


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E

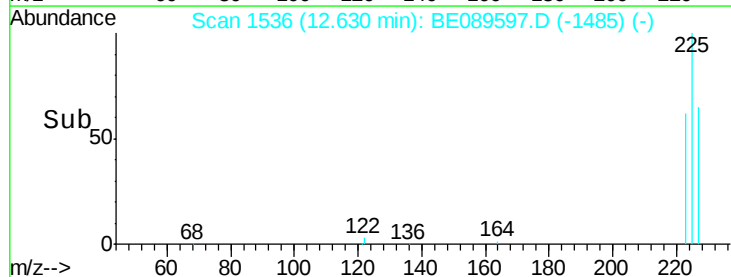
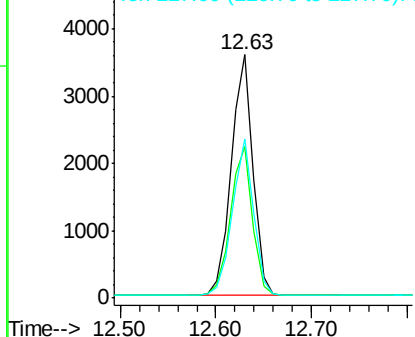


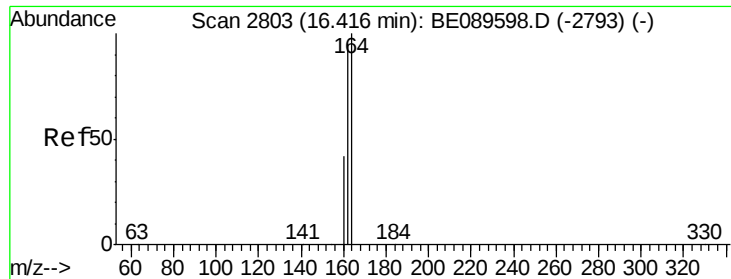
#12
Hexachlorobutadiene
Concen: 0.83 ng
RT: 12.63 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BE089597.D
Acq: 17 Feb 2015 16:28

Tgt Ion:225 Resp: 5584
Ion Ratio Lower Upper
225 100
223 62.2 50.3 75.5
227 63.6 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

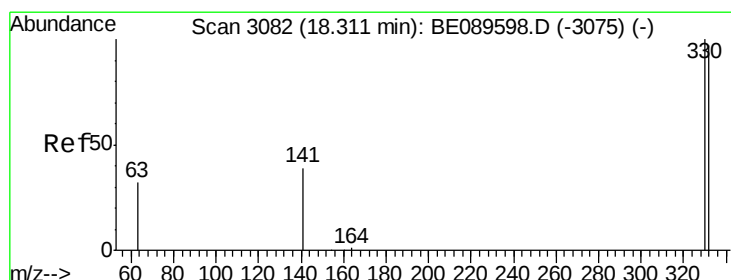
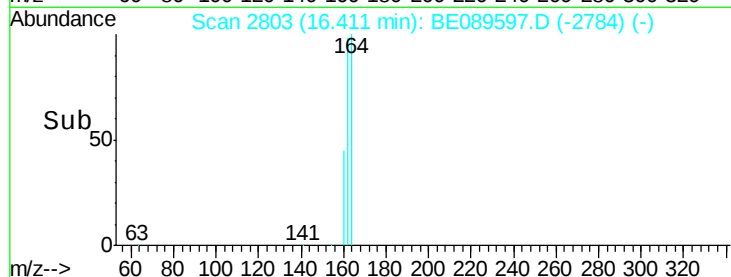
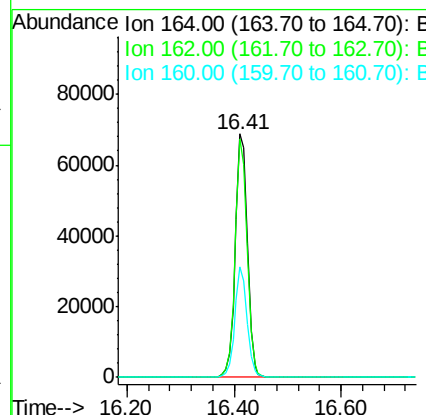
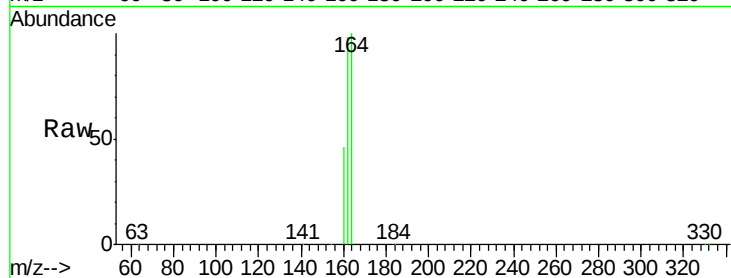




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.41 min Scan# 2803
Delta R.T. -0.00 min
Lab File: BE089597.D
Acq: 17 Feb 2015 16:28

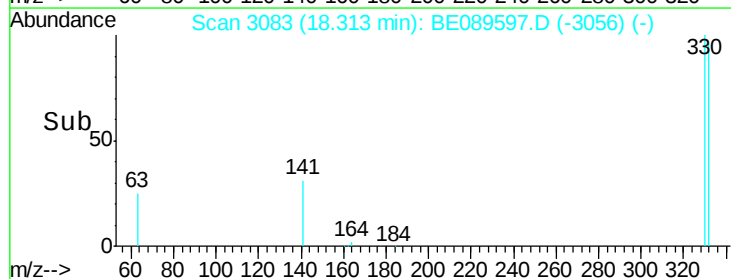
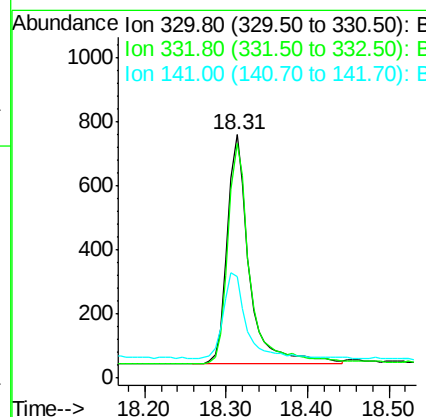
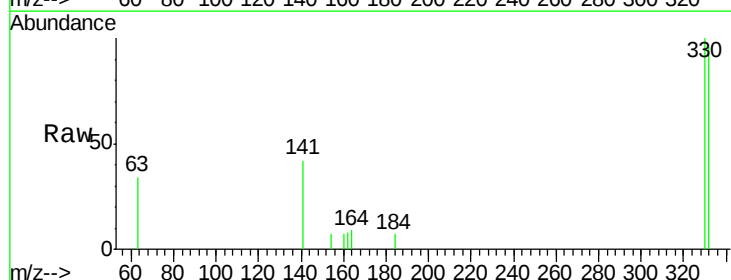
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

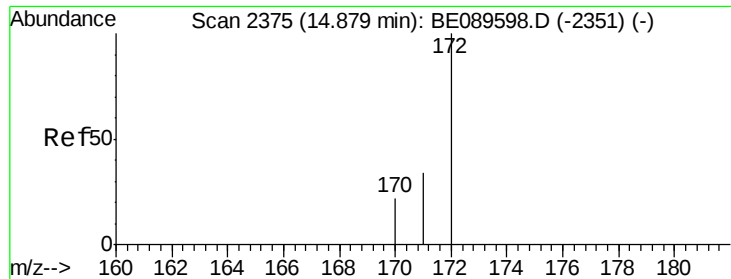
Tgt Ion:164 Resp: 107332
Ion Ratio Lower Upper
164 100
162 98.0 76.3 114.5
160 45.5 33.9 50.9



#14
2,4,6-Tribromophenol
Concen: 0.61 ng
RT: 18.31 min Scan# 3083
Delta R.T. 0.00 min
Lab File: BE089597.D
Acq: 17 Feb 2015 16:28

Tgt Ion:330 Resp: 1362
Ion Ratio Lower Upper
330 100
332 99.3 76.7 115.1
141 38.4 30.1 45.1

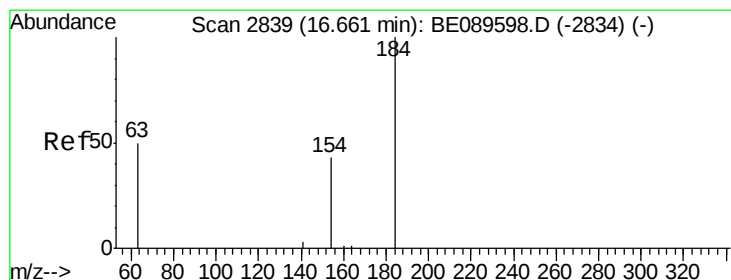
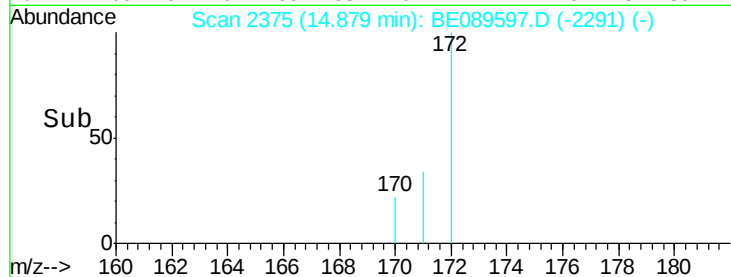
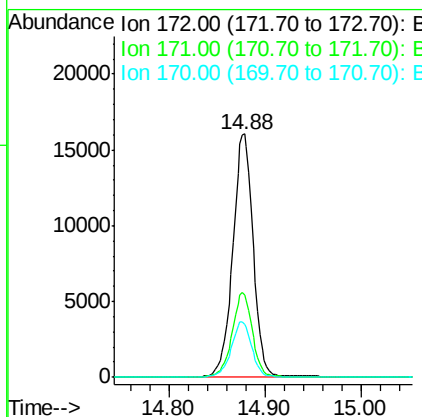
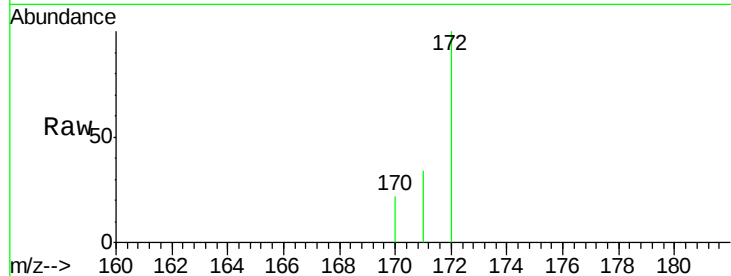




#15
2-Fluorobiphenyl
Concen: 0.82 ng
RT: 14.88 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BE089597.D
Acq: 17 Feb 2015 16:28

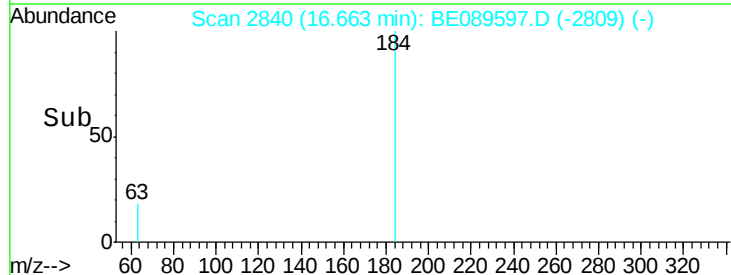
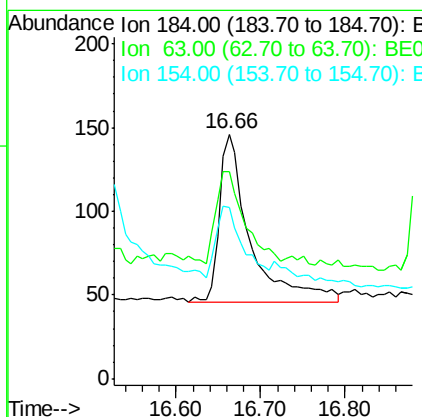
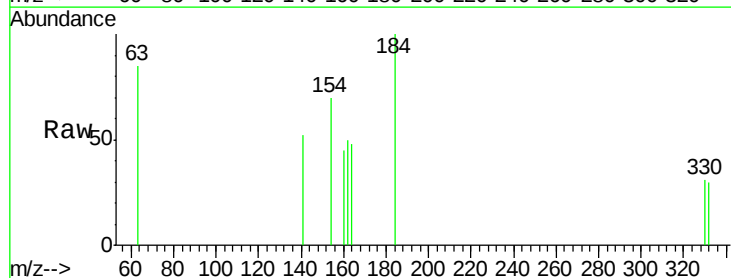
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

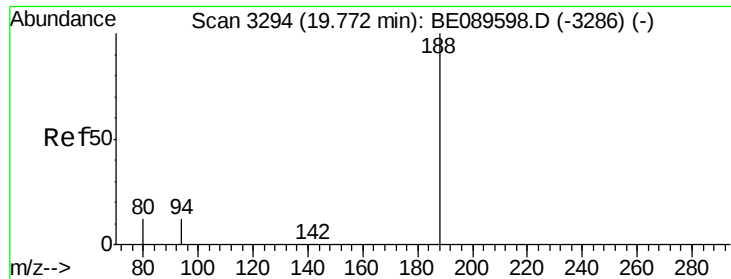
Tgt Ion:172 Resp: 23653
Ion Ratio Lower Upper
172 100
171 34.0 27.4 41.0
170 21.8 17.9 26.9



#16
2,4-Dinitrophenol
Concen: 0.66 ng
RT: 16.66 min Scan# 2840
Delta R.T. 0.00 min
Lab File: BE089597.D
Acq: 17 Feb 2015 16:28

Tgt Ion:184 Resp: 251
Ion Ratio Lower Upper
184 100
63 84.9 61.0 91.4
154 69.9 53.4 80.0





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3295

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

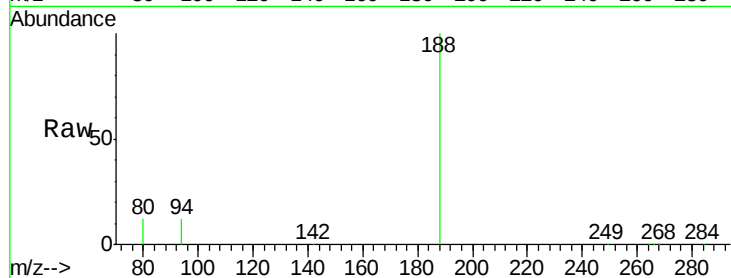
Tgt Ion:188 Resp: 208684

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

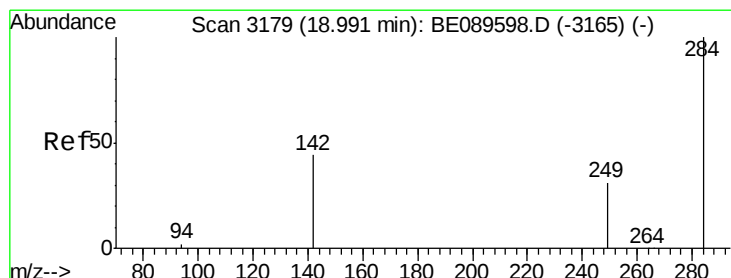
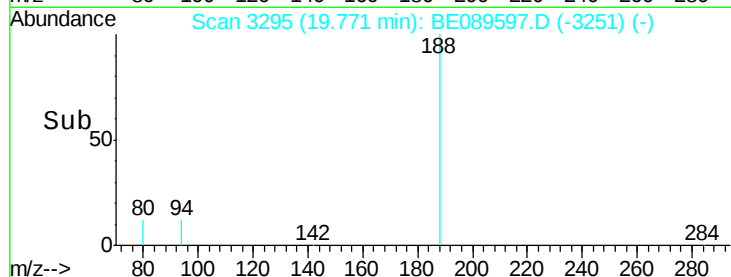
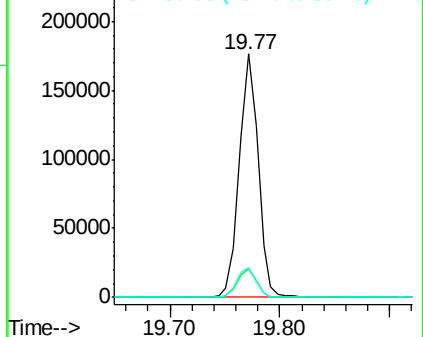
80 12.1 9.8 14.8



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: 0.84 ng

RT: 18.99 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

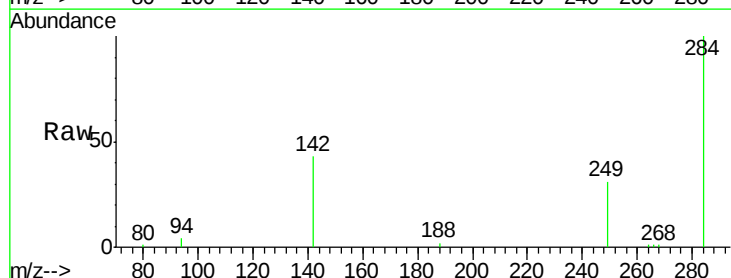
Tgt Ion:284 Resp: 7398

Ion Ratio Lower Upper

284 100

142 43.4 35.6 53.4

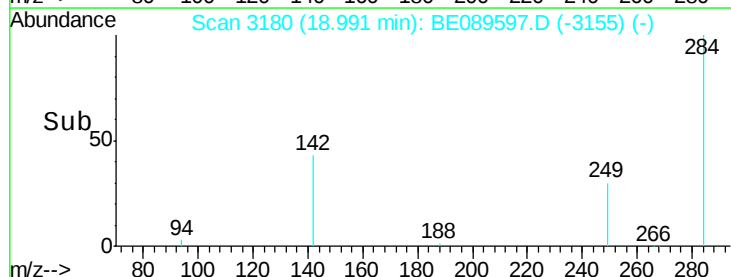
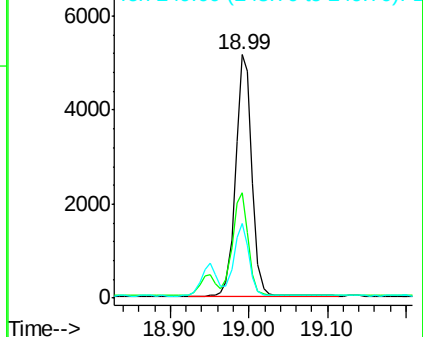
249 30.9 25.2 37.8

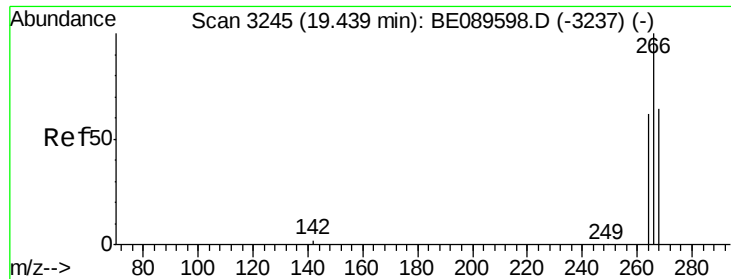


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

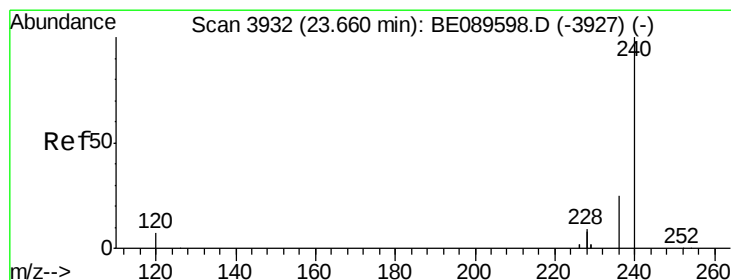
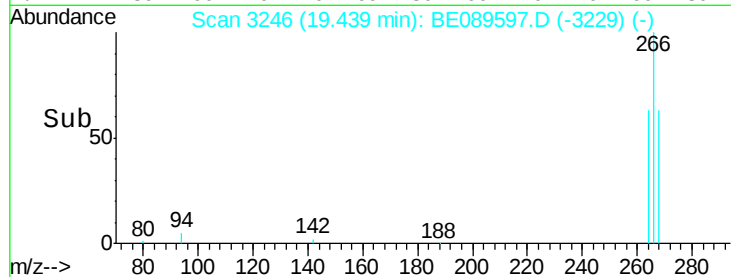
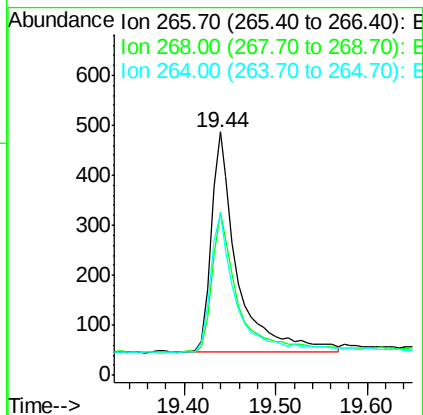
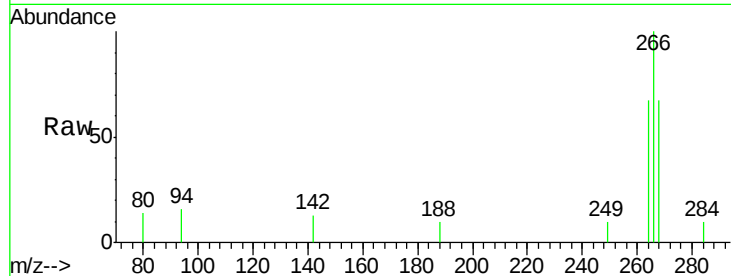




#19
 Pentachlorophenol
 Concen: 0.58 ng
 RT: 19.44 min Scan# 3246
 Delta R.T. -0.00 min
 Lab File: BE089597.D
 Acq: 17 Feb 2015 16:28

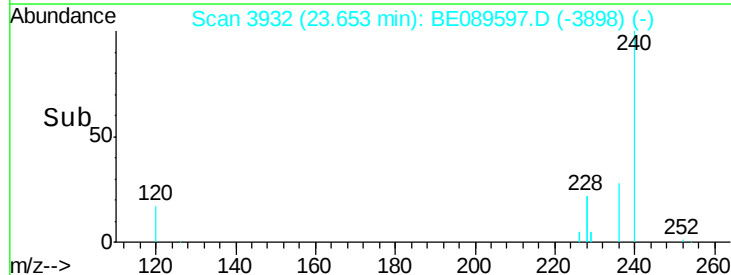
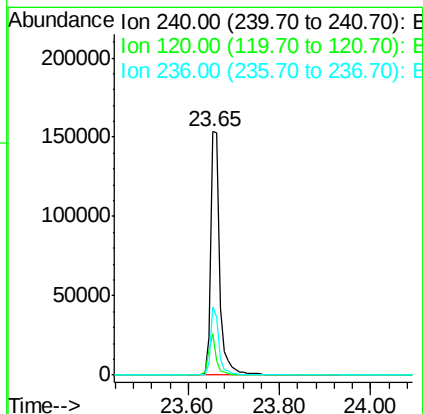
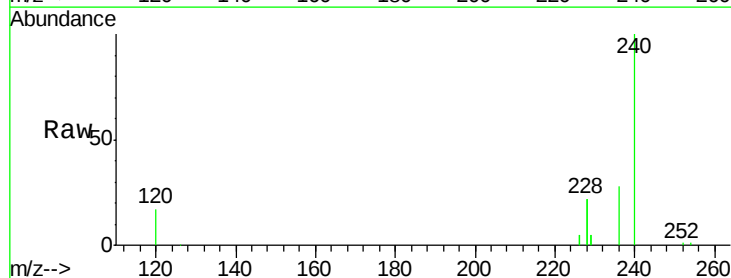
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

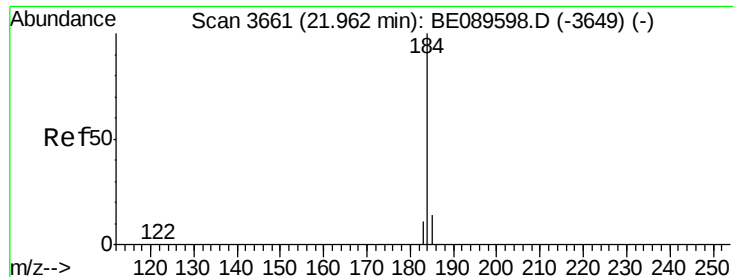
Tgt Ion: 266 Resp: 872
 Ion Ratio Lower Upper
 266 100
 268 66.7 53.0 79.4
 264 66.5 51.9 77.9



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.65 min Scan# 3932
 Delta R.T. -0.01 min
 Lab File: BE089597.D
 Acq: 17 Feb 2015 16:28

Tgt Ion: 240 Resp: 216299
 Ion Ratio Lower Upper
 240 100
 120 17.2 5.4 8.0#
 236 28.1 19.8 29.6





#21

Benzidine

Concen: 0.49 ng

RT: 21.96 min Scan# 3662

Delta R.T. 0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

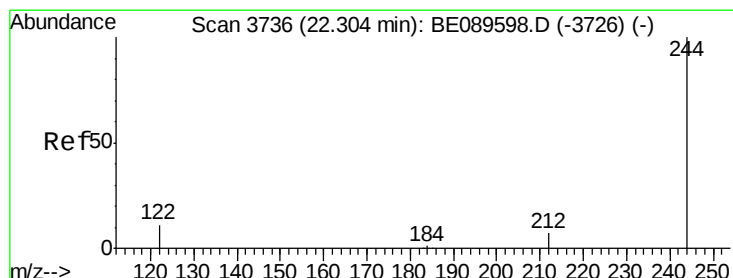
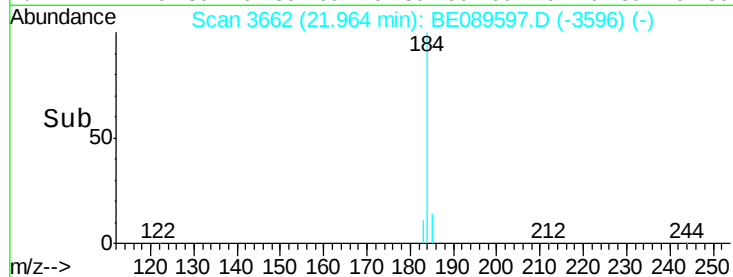
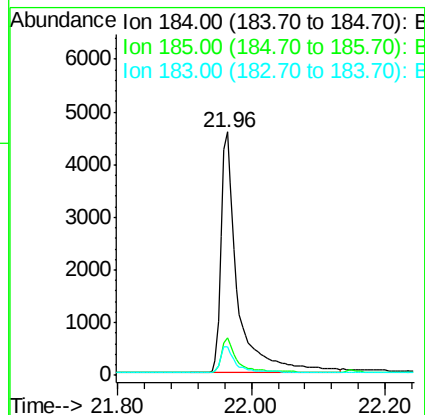
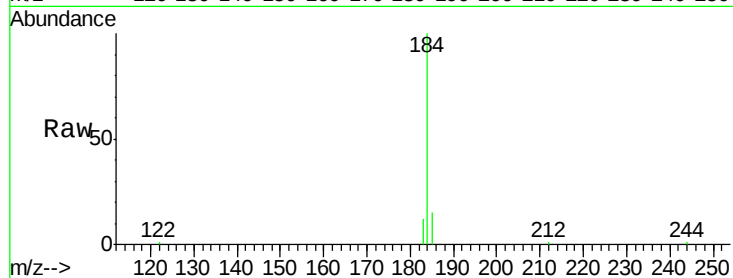
Tgt Ion:184 Resp: 7877

Ion Ratio Lower Upper

184 100

185 15.3 11.8 17.8

183 11.6 9.3 13.9



#22

Terphenyl-d14

Concen: 0.83 ng

RT: 22.30 min Scan# 3736

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

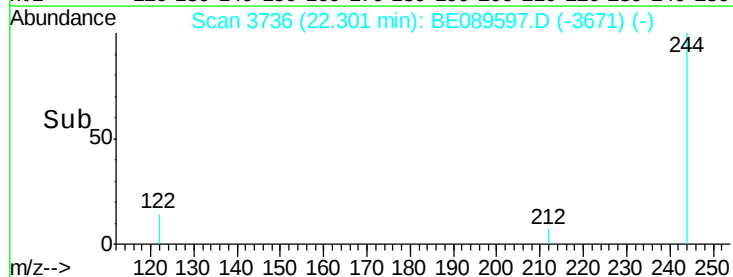
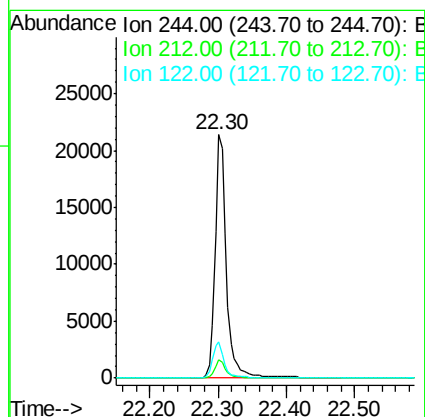
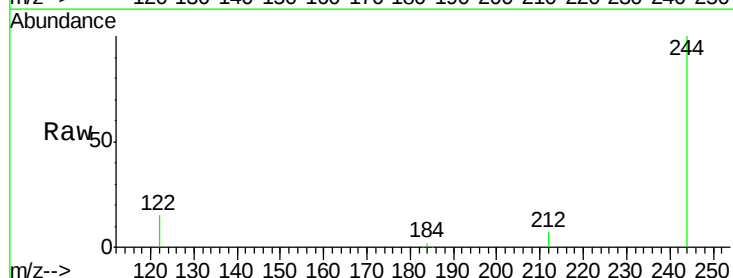
Tgt Ion:244 Resp: 24341

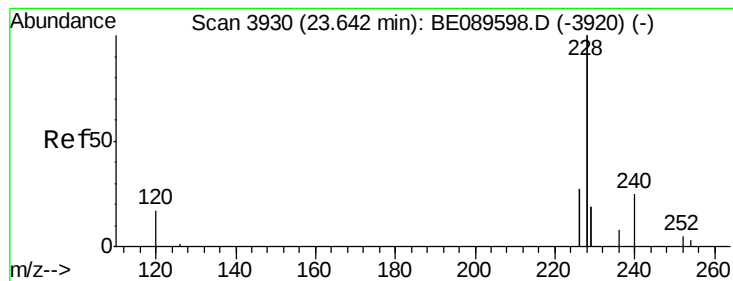
Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 14.6 8.6 13.0#





#23

Benzo(a)anthracene

Concen: 0.73 ng

RT: 23.64 min Scan# 3931

Delta R.T. 0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

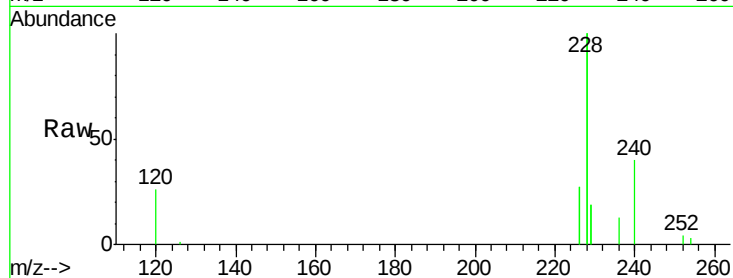
Tgt Ion:228 Resp: 147286

Ion Ratio Lower Upper

228 100

226 26.6 21.5 32.3

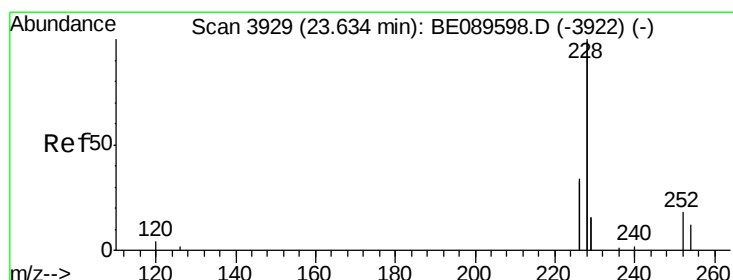
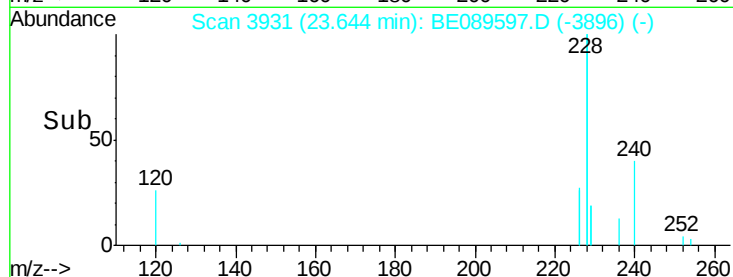
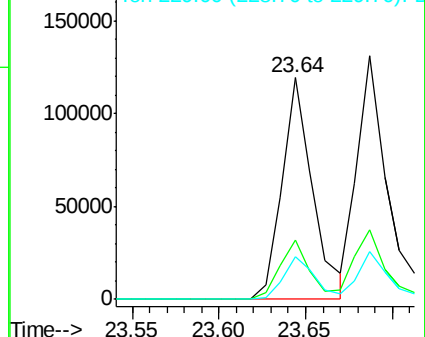
229 19.0 15.0 22.6



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: 0.50 ng

RT: 23.64 min Scan# 3930

Delta R.T. 0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

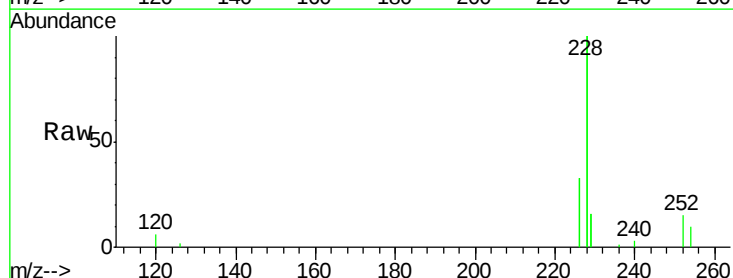
Tgt Ion:252 Resp: 6561

Ion Ratio Lower Upper

252 100

254 65.4 51.7 77.5

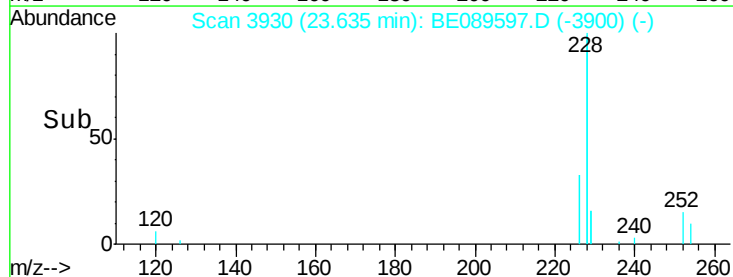
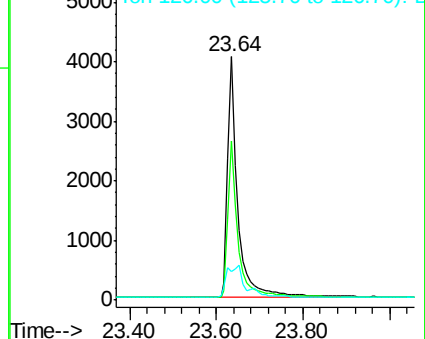
126 11.6 9.9 14.9

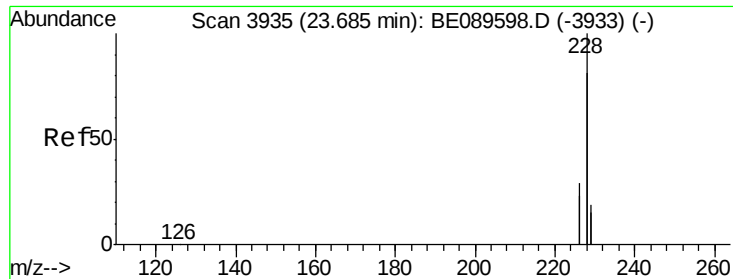


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.83 ng

RT: 23.69 min Scan# 3936

Delta R.T. 0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

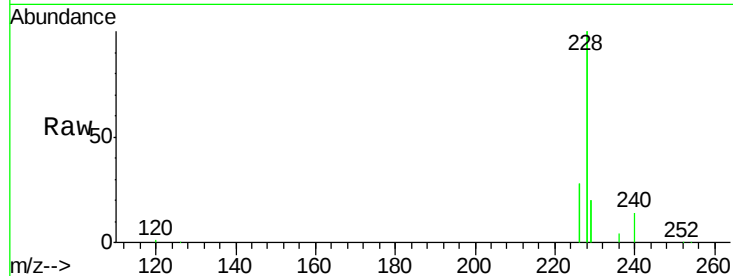
Tgt Ion:228 Resp: 174282

Ion Ratio Lower Upper

228 100

226 28.4 23.4 35.2

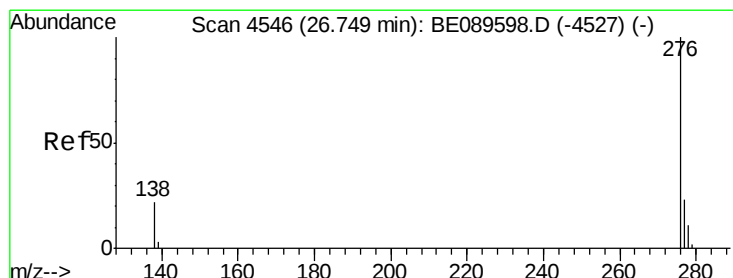
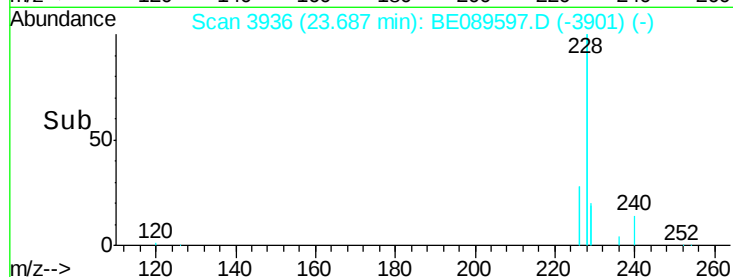
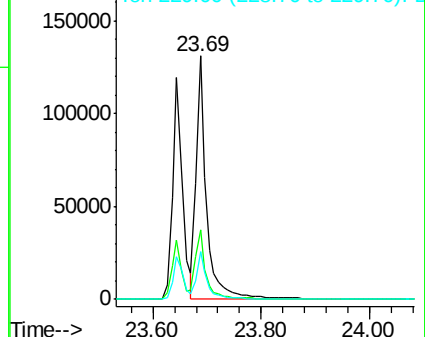
229 19.6 15.3 22.9



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: 0.61 ng

RT: 26.75 min Scan# 4547

Delta R.T. -0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

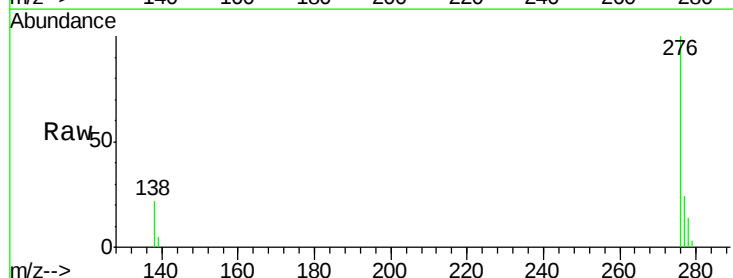
Tgt Ion:276 Resp: 27775

Ion Ratio Lower Upper

276 100

138 26.9 0.0 0.0#

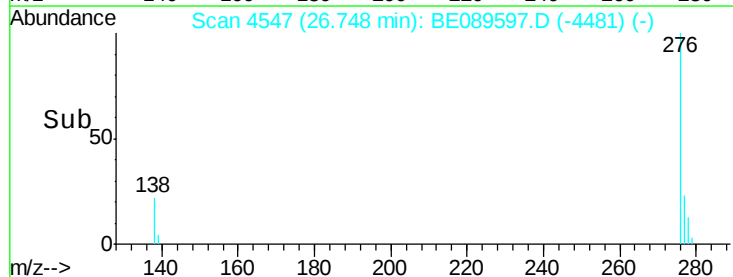
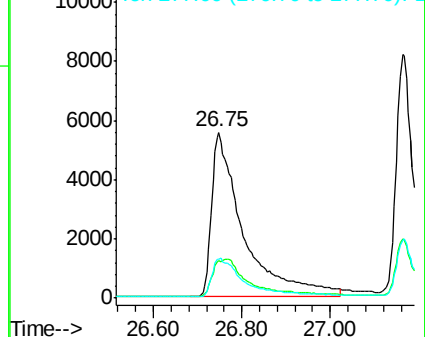
277 24.5 19.9 29.9

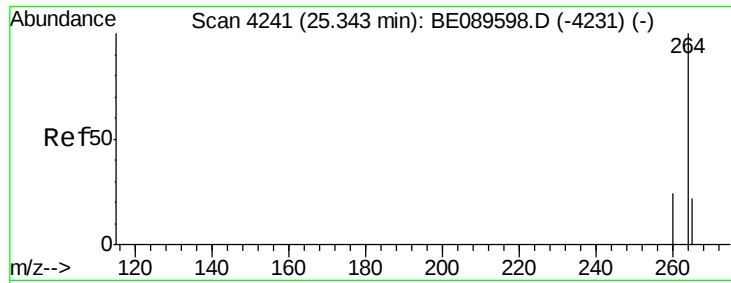


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

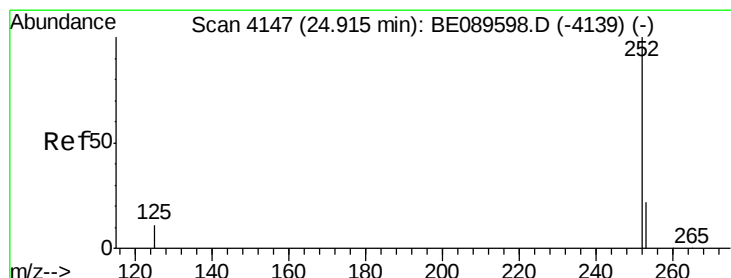
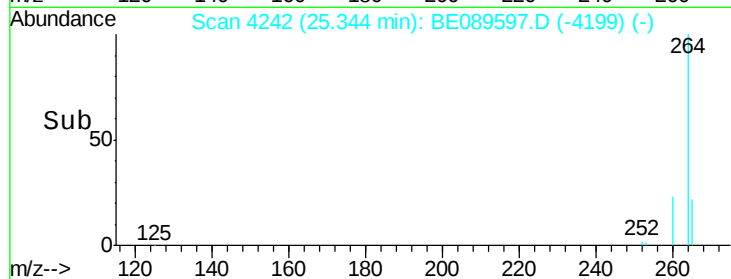
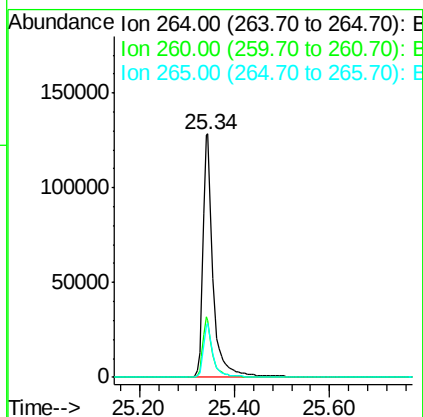
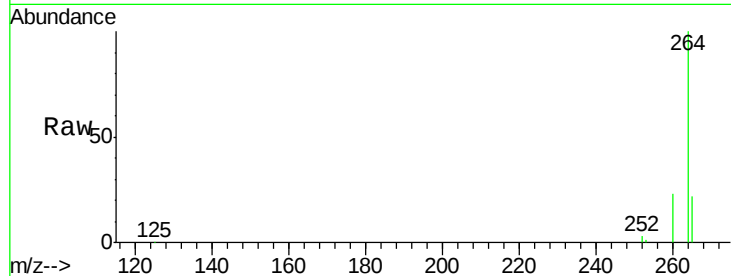




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4242
 Delta R.T. 0.00 min
 Lab File: BE089597.D
 Acq: 17 Feb 2015 16:28

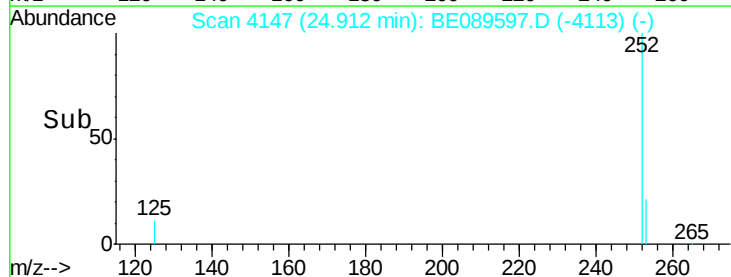
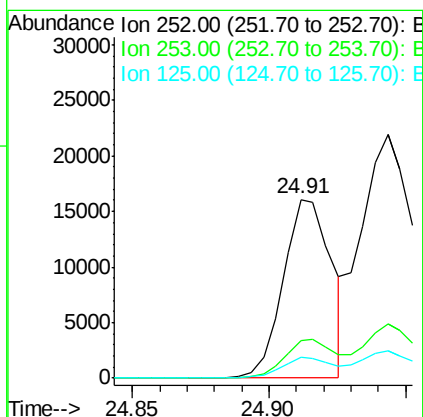
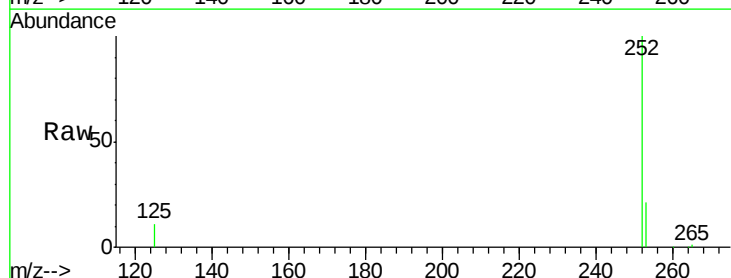
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

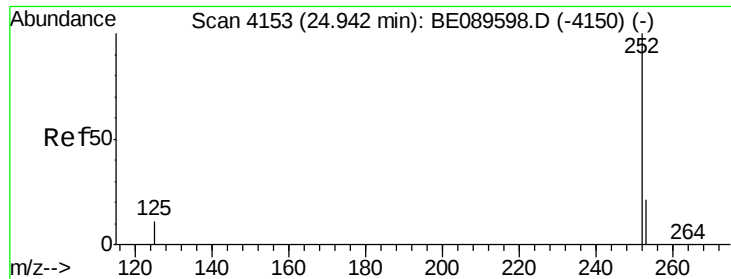
Tgt Ion: 264 Resp: 188362
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 22.4 17.8 26.8



#28
Benzo(b)fluoranthene
 Concen: 0.55 ng
 RT: 24.91 min Scan# 4147
 Delta R.T. -0.00 min
 Lab File: BE089597.D
 Acq: 17 Feb 2015 16:28

Tgt Ion: 252 Resp: 19569
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.8 26.8
 125 11.4 8.9 13.3





#29

Benzo(k)fluoranthene

Concen: 0.90 ng

RT: 24.94 min Scan# 4154

Delta R.T. 0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

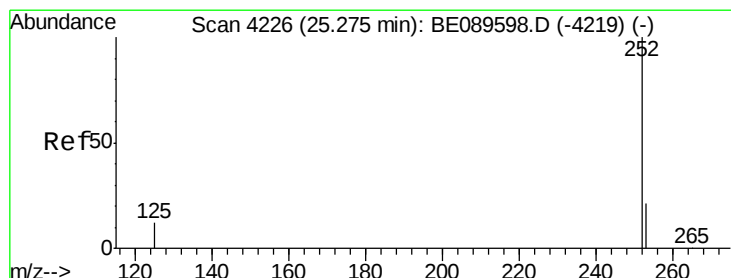
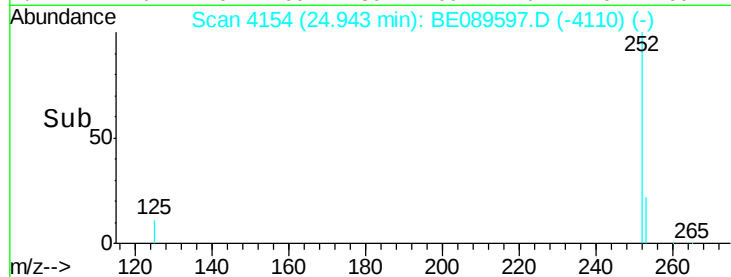
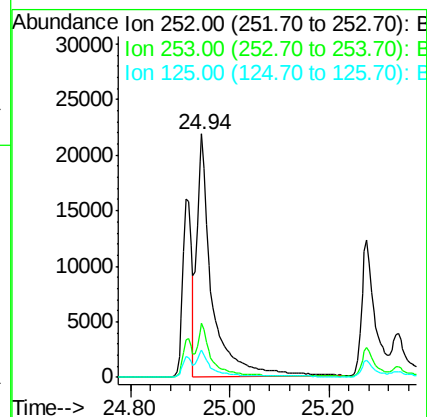
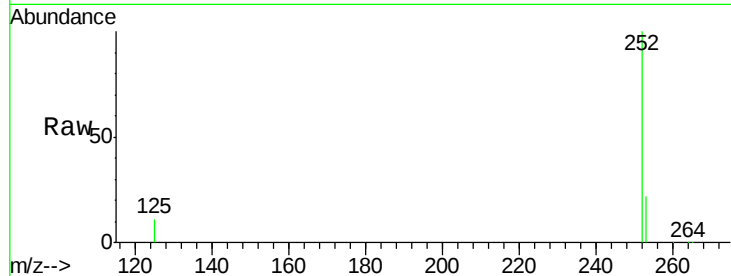
Tgt Ion:252 Resp: 45508

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 11.2 8.9 13.3



#30

Benzo(a)pyrene

Concen: 0.62 ng

RT: 25.28 min Scan# 4227

Delta R.T. 0.00 min

Lab File: BE089597.D

Acq: 17 Feb 2015 16:28

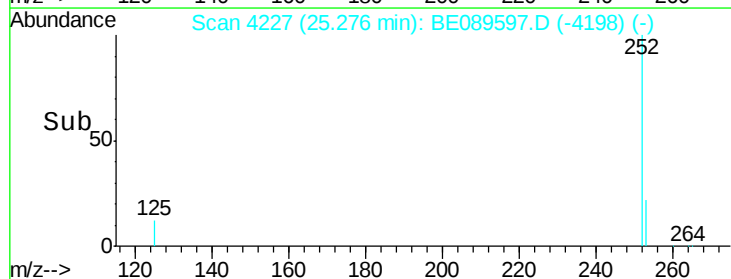
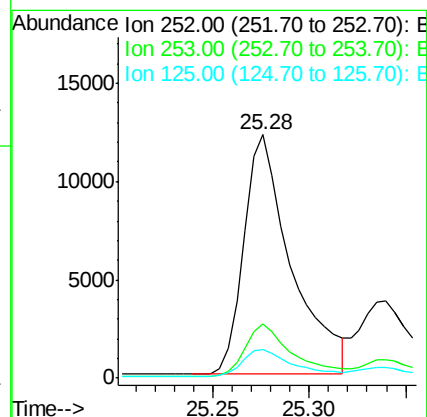
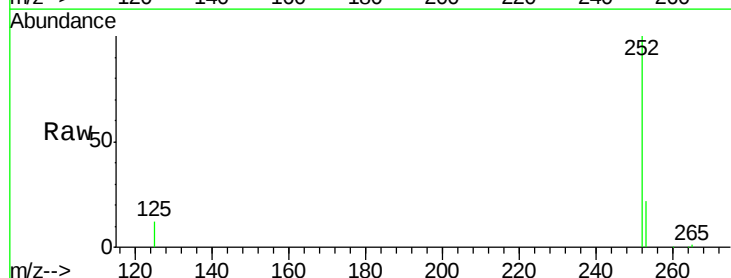
Tgt Ion:252 Resp: 20834

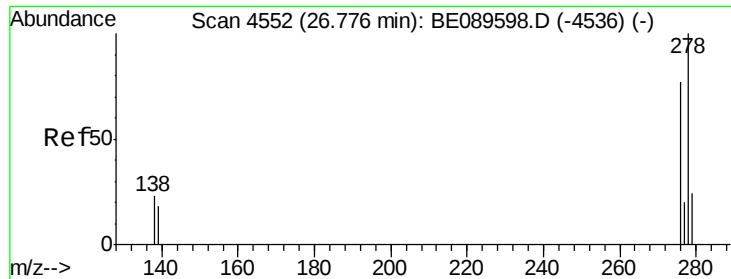
Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 12.0 9.8 14.8





#31

Dibenzo(a,h)anthracene

Concen: 0.63 ng

RT: 26.78 min Scan# 4553

Delta R.T. -0.00 min

Lab File: BE089597.D

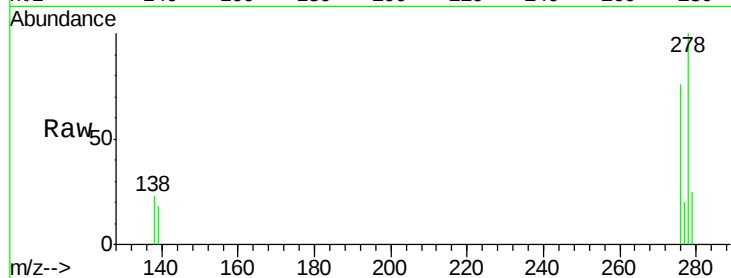
Acq: 17 Feb 2015 16:28

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8



Tgt Ion: 278 Resp: 21324

Ion Ratio Lower Upper

278 100

139 18.2 14.6 21.8

279 24.6 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

