

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021715\
 Data File : BE089601.D
 Acq On : 17 Feb 2015 19:03
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Feb 18 01:11:49 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	9.34	152	65223	5.00	ng	0.00
7) Naphthalene-d8	12.24	136	262481	5.00	ng	0.00
13) Acenaphthene-d10	16.42	164	134173	5.00	ng	0.00
17) Phenanthrene-d10	19.77	188	260298	5.00	ng	0.00
20) Chrysene-d12	23.66	240	300108	5.00	ng	0.00
27) Perylene-d12	25.34	264	248515	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.50	112	176893	9.70	ng	0.00
4) Phenol-d6	8.62	99	234010	9.59	ng	0.00
8) Nitrobenzene-d5	10.61	82	147079	13.59	ng	0.00
14) 2,4,6-Tribromophenol	18.32	330	39950	14.38	ng	0.00
15) 2-Fluorobiphenyl	14.88	172	348435	9.66	ng	0.00
22) Terphenyl-d14	22.30	244	429705	10.57	ng	0.00

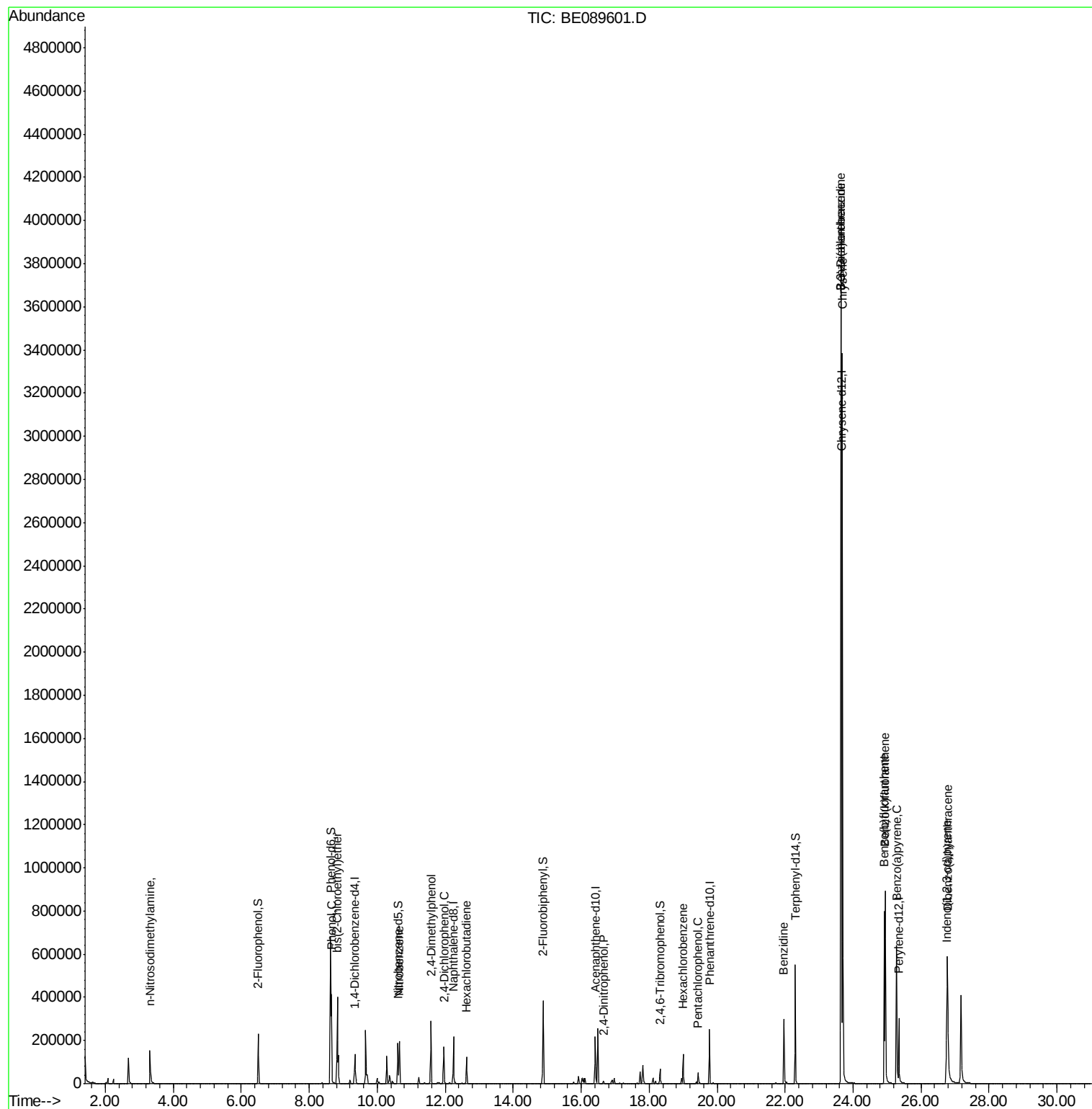
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.32	42	85602	9.15	ng	# 77
5) Phenol	8.65	94	247535	9.45	ng	85
6) bis(2-Chloroethyl)ether	8.83	93	188980	9.41	ng	# 99
9) Nitrobenzene	10.65	77	175861	13.69	ng	96
10) 2,4-Dimethylphenol	11.58	122	154681	10.45	ng	97
11) 2,4-Dichlorophenol	11.96	162	131615	11.31	ng	99
12) Hexachlorobutadiene	12.63	225	79310	9.85	ng	99
16) 2,4-Dinitrophenol	16.65	184	10379	21.91	ng	# 84
18) Hexachlorobenzene	19.00	284	111624	10.17	ng	90
19) Pentachlorophenol	19.44	266	33895	18.22	ng	97
21) Benzidine	21.96	184	289879	12.87	ng	100
23) Benzo(a)anthracene	23.64	228	2987138	10.60	ng	97
24) 3,3'-Dichlorobenzidine	23.63	252	246535	13.63	ng	# 96
25) Chrysene	23.69	228	2780943	9.60	ng	93
26) Indeno(1,2,3-cd)pyrene	26.76	276	712751	11.23	ng	# 99
28) Benzo(b)fluoranthene	24.92	252	597414	12.82	ng	99
29) Benzo(k)fluoranthene	24.95	252	784435	11.76	ng	98
30) Benzo(a)pyrene	25.28	252	582305	13.08	ng	98
31) Dibenzo(a,h)anthracene	26.78	278	569315	12.80	ng	99

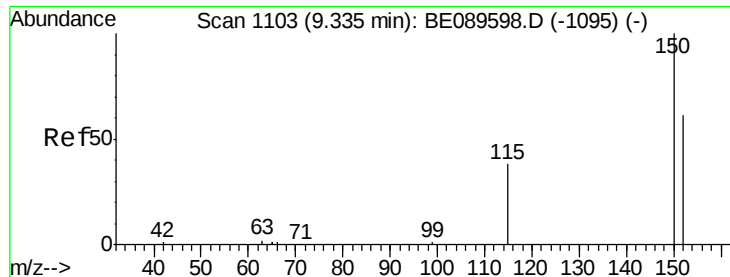
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDICC010

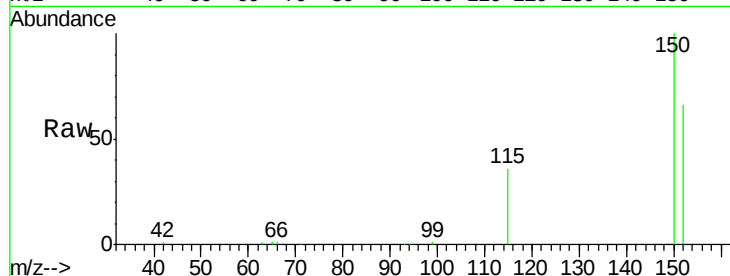
Tgt Ion:152 Resp: 65223

Ion Ratio Lower Upper

152 100

150 152.3 130.7 196.1

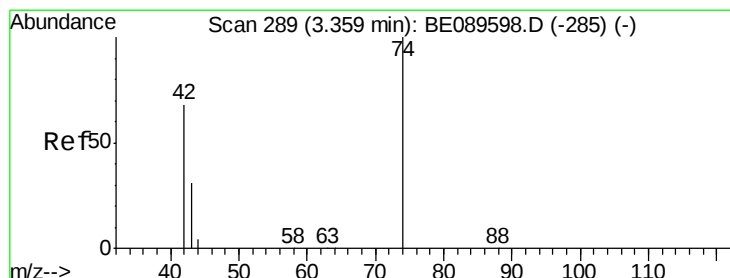
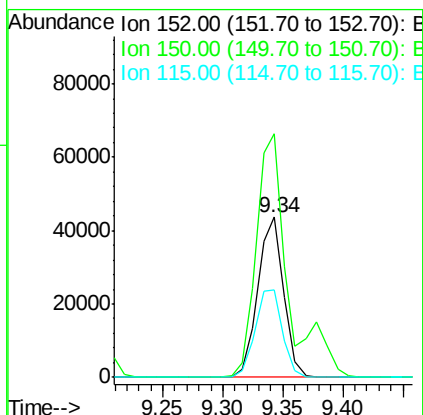
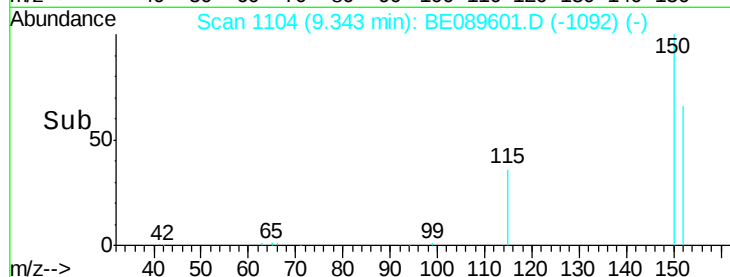
115 55.1 49.6 74.4



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: 9.15 ng

RT: 3.32 min Scan# 283

Delta R.T. -0.04 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

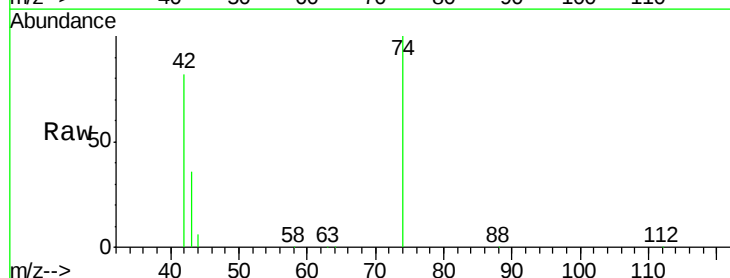
Tgt Ion: 42 Resp: 85602

Ion Ratio Lower Upper

42 100

74 122.0 114.6 171.8

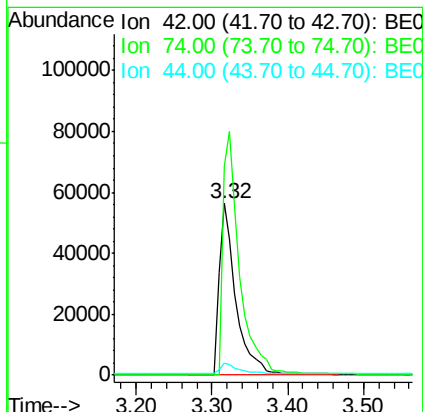
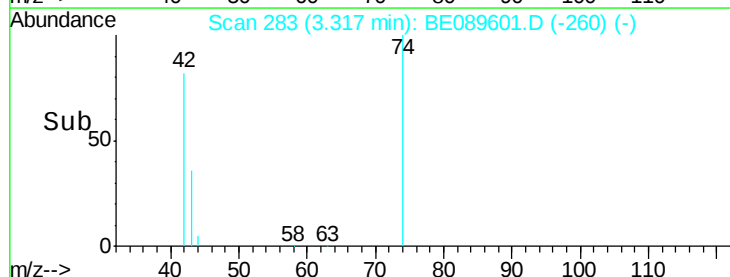
44 6.8 27.5 41.3#

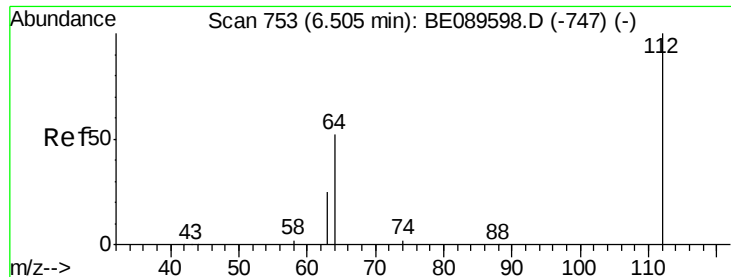


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

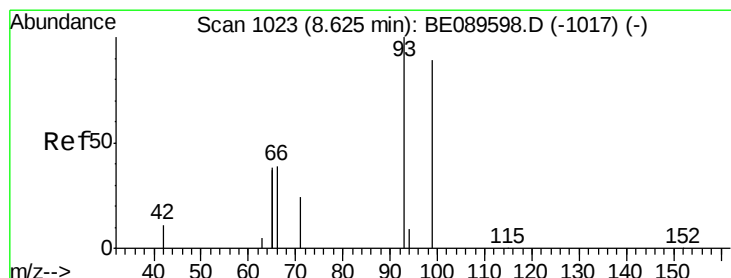
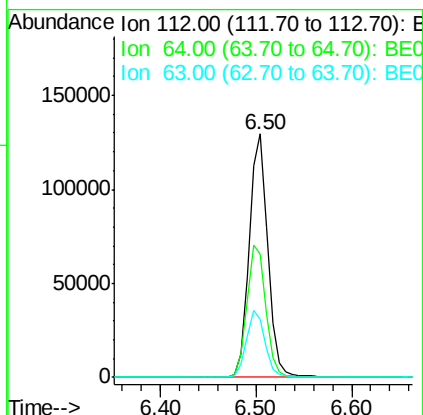
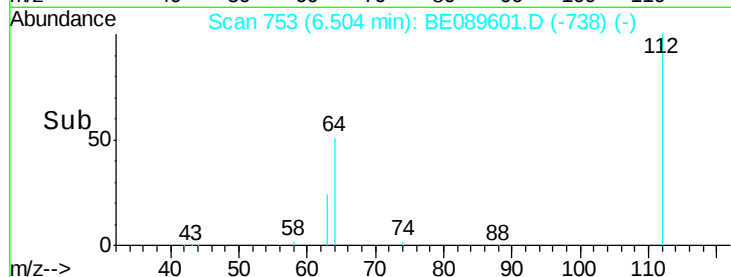
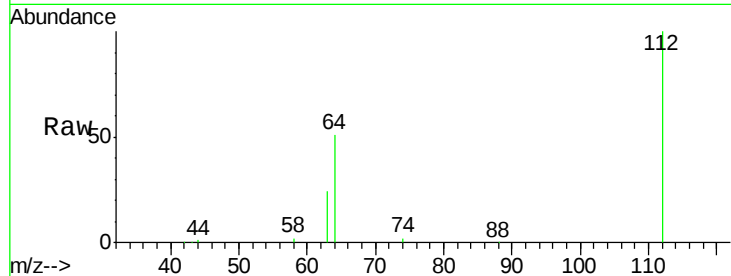




#3
 2-Fluorophenol
 Concen: 9.70 ng
 RT: 6.50 min Scan# 753
 Delta R.T. -0.00 min
 Lab File: BE089601.D
 Acq: 17 Feb 2015 19:03

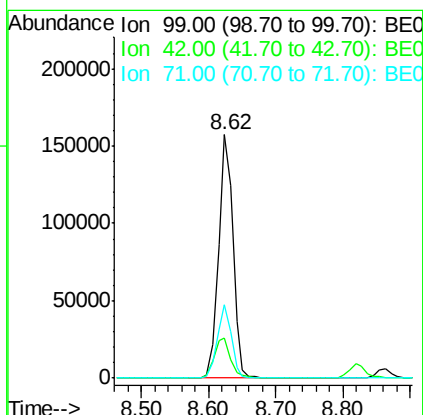
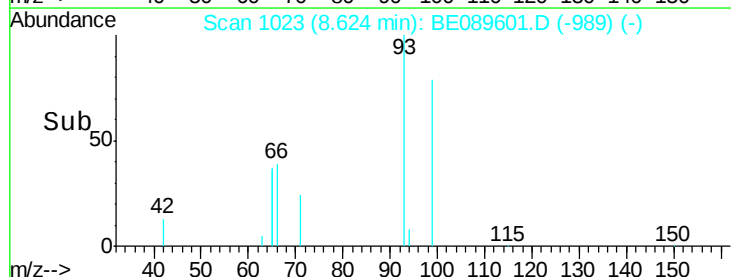
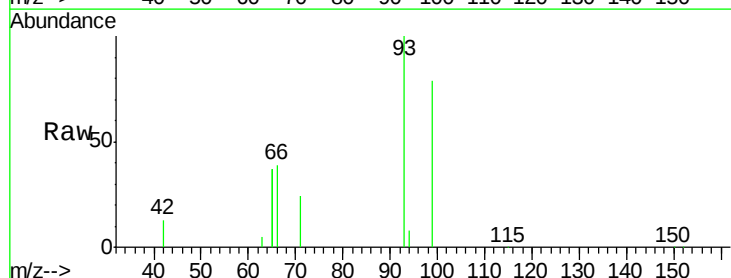
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

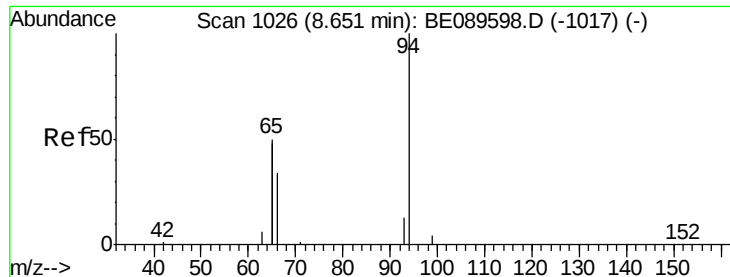
Tgt Ion: 112 Resp: 176893
 Ion Ratio Lower Upper
 112 100
 64 50.8 41.7 62.5
 63 24.1 20.3 30.5



#4
 Phenol-d6
 Concen: 9.59 ng
 RT: 8.62 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BE089601.D
 Acq: 17 Feb 2015 19:03

Tgt Ion: 99 Resp: 234010
 Ion Ratio Lower Upper
 99 100
 42 16.5 10.8 16.2#
 71 30.0 21.8 32.6





#5

Phenol

Concen: 9.45 ng

RT: 8.65 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDICC010

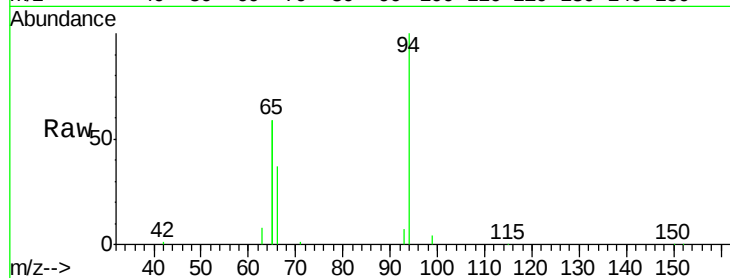
Tgt Ion: 94 Resp: 247535

Ion Ratio Lower Upper

94 100

65 117.1 78.6 118.6

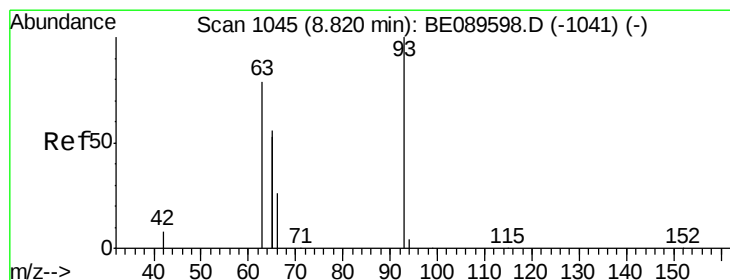
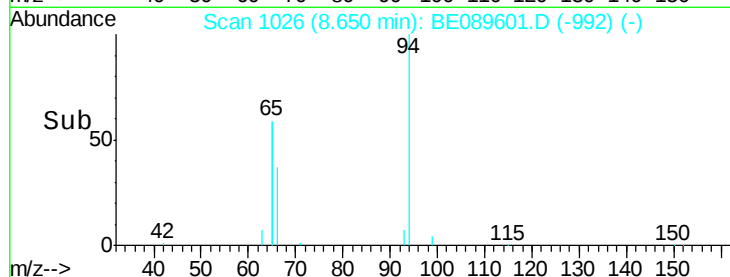
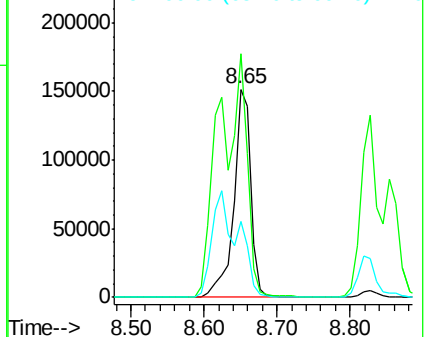
66 36.7 14.0 54.0



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: 9.41 ng

RT: 8.83 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

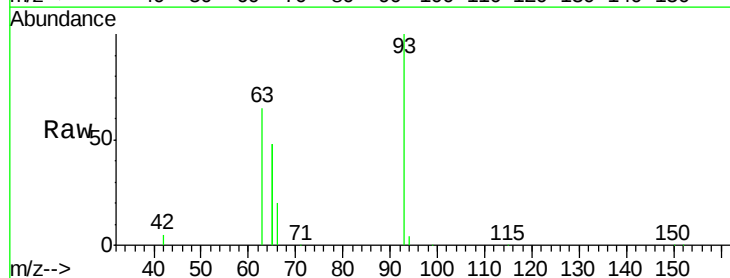
Tgt Ion: 93 Resp: 188980

Ion Ratio Lower Upper

93 100

63 94.1 74.6 112.0

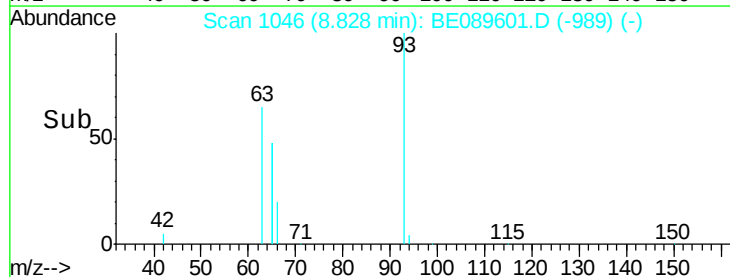
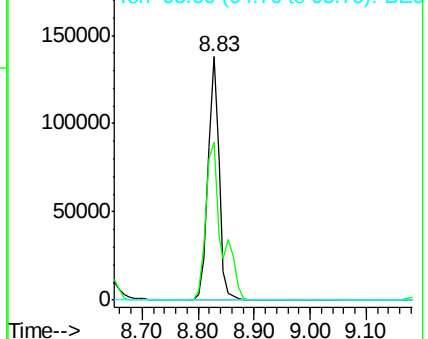
95 0.0 0.0 0.0

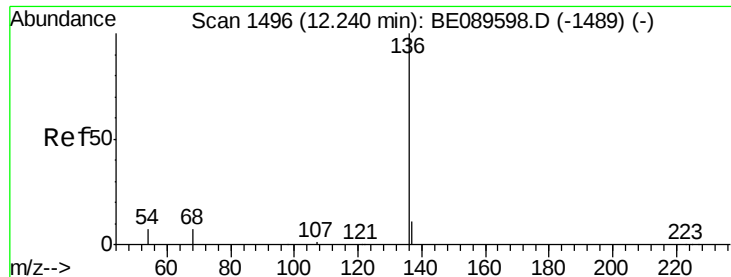


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE089601.D

Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDIC010

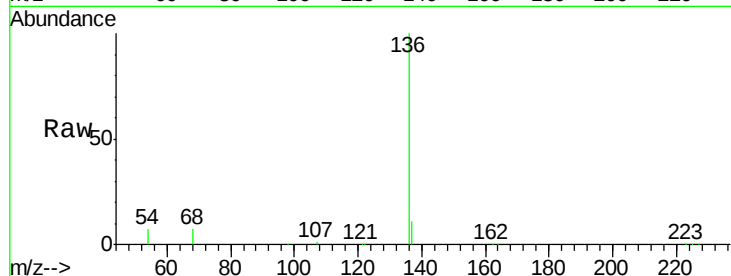
Tgt Ion:136 Resp: 262481

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

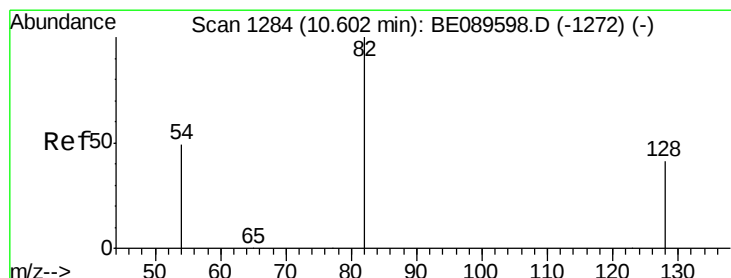
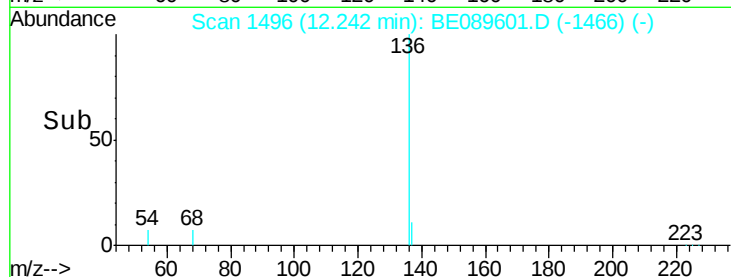
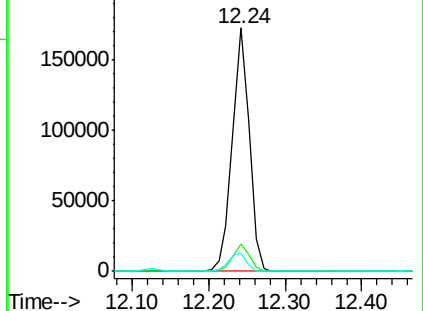
54 7.4 5.7 8.5



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: 13.59 ng

RT: 10.61 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

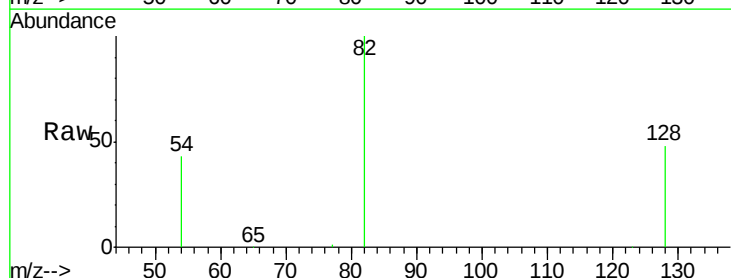
Tgt Ion: 82 Resp: 147079

Ion Ratio Lower Upper

82 100

128 47.8 33.2 49.8

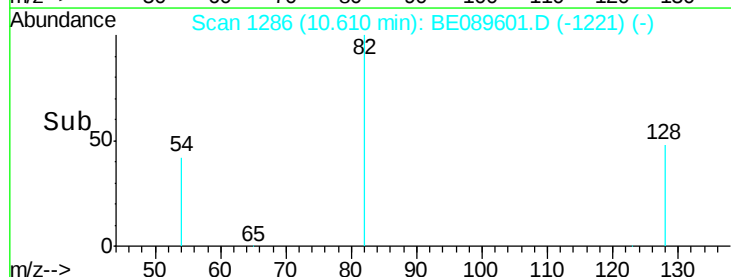
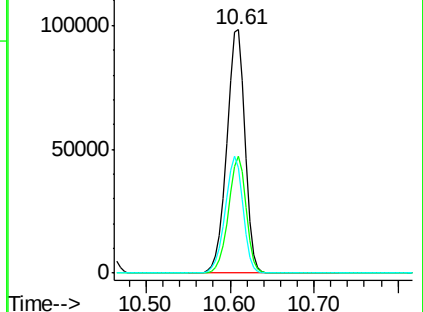
54 43.4 39.6 59.4

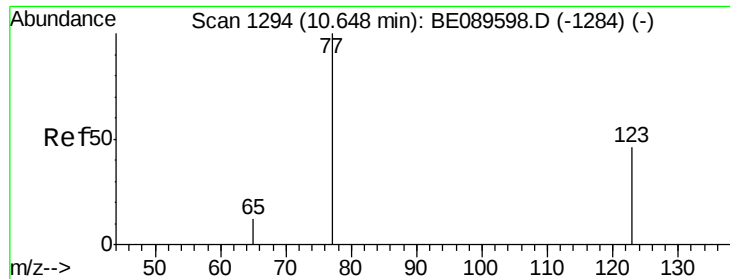


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 13.69 ng

RT: 10.65 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDIC010

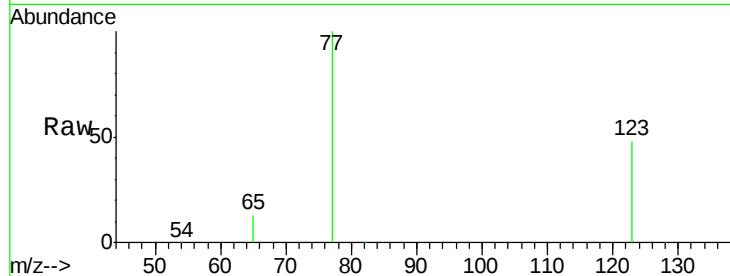
Tgt Ion: 77 Resp: 175861

Ion Ratio Lower Upper

77 100

123 48.5 36.5 54.7

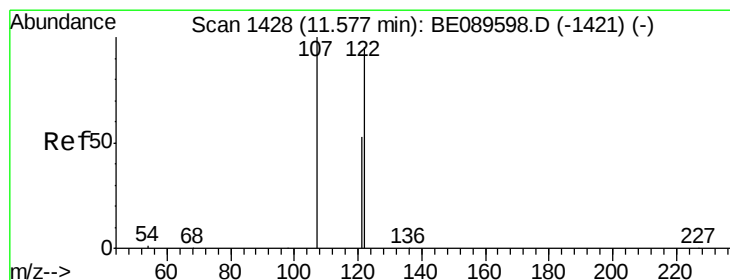
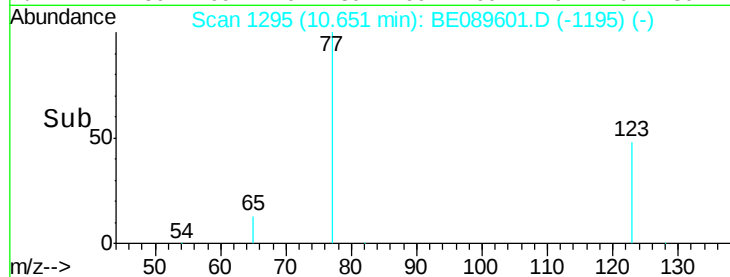
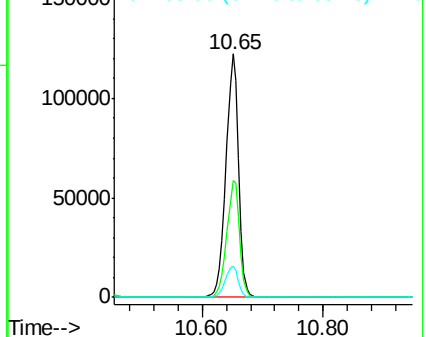
65 13.1 10.2 15.4



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: 10.45 ng

RT: 11.58 min Scan# 1428

Delta R.T. 0.00 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

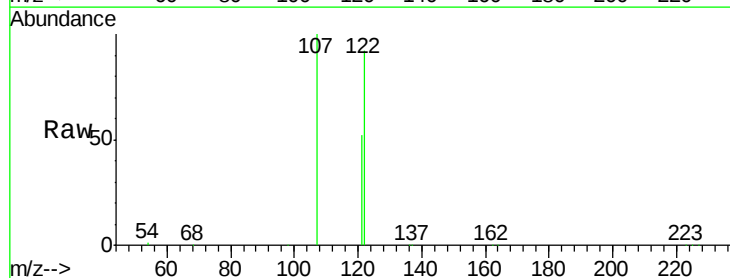
Tgt Ion: 122 Resp: 154681

Ion Ratio Lower Upper

122 100

107 109.0 83.9 125.9

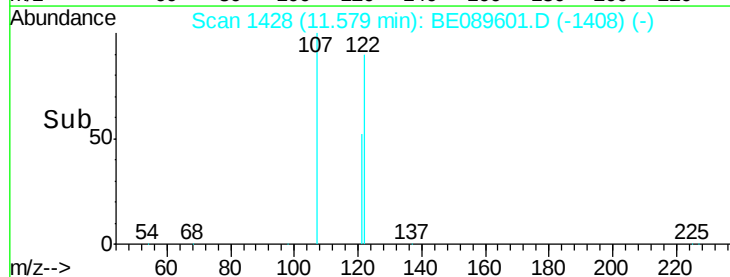
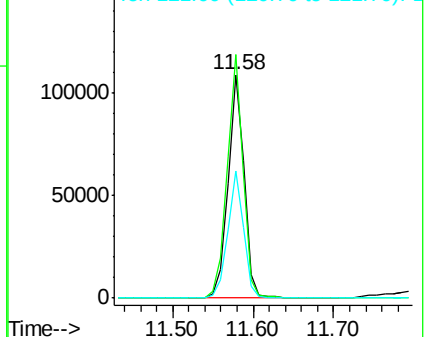
121 56.7 44.9 67.3

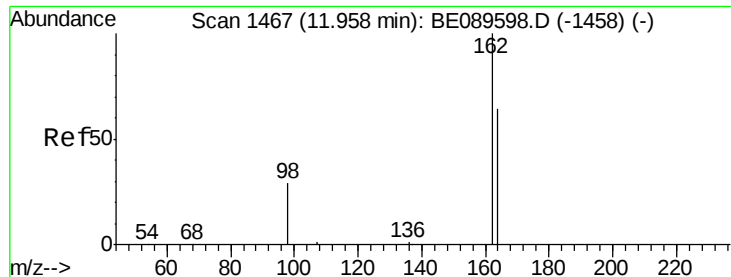


Abundance Ion 122.00 (121.70 to 122.70): BE0

Ion 107.00 (106.70 to 107.70): BE0

Ion 121.00 (120.70 to 121.70): BE0

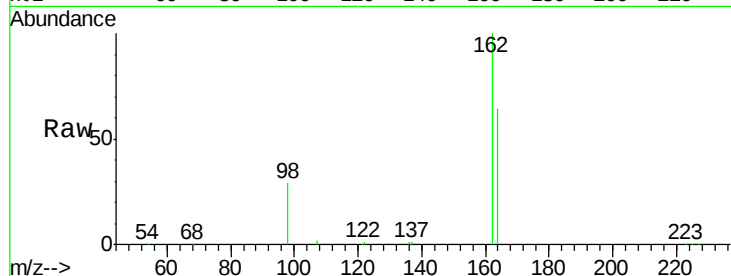




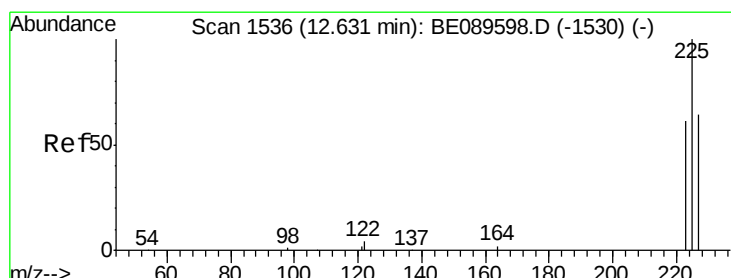
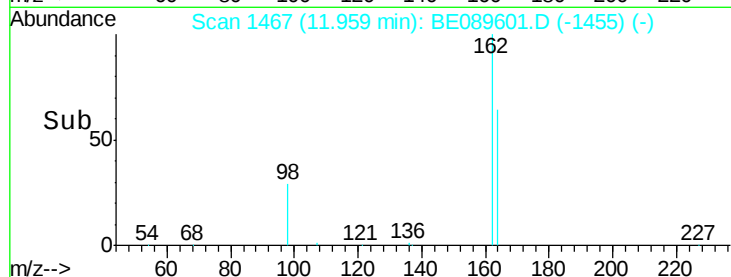
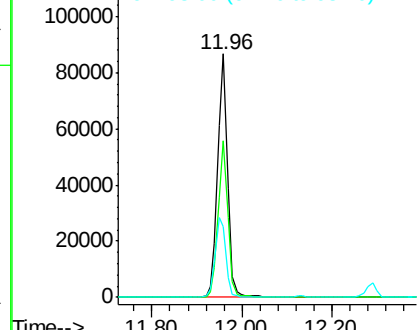
#11
 2,4-Dichlorophenol
 Concen: 11.31 ng
 RT: 11.96 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BE089601.D
 Acq: 17 Feb 2015 19:03

Instrument :
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Tgt Ion:162 Resp: 131615
 Ion Ratio Lower Upper
 162 100
 164 64.4 44.7 84.7
 98 29.0 10.3 50.3

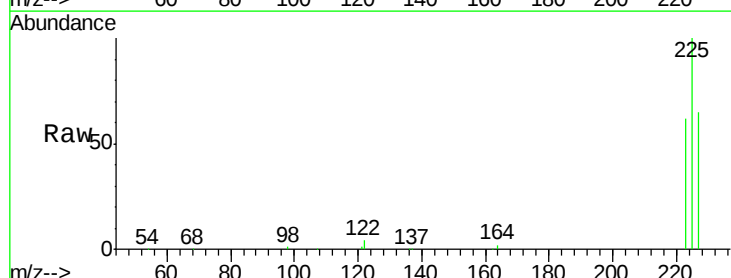


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BE0

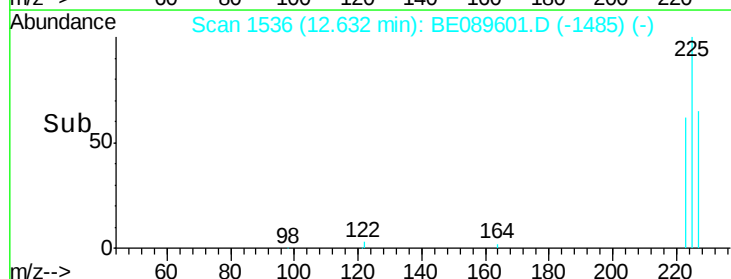
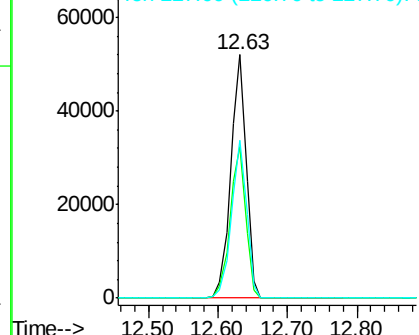


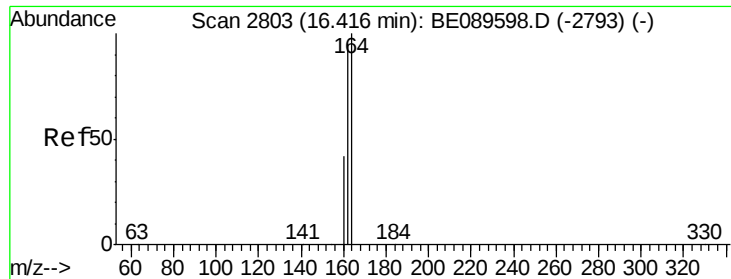
#12
 Hexachlorobutadiene
 Concen: 9.85 ng
 RT: 12.63 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BE089601.D
 Acq: 17 Feb 2015 19:03

Tgt Ion:225 Resp: 79310
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.3 75.5
 227 63.9 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: BE089601.D

Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDICC010

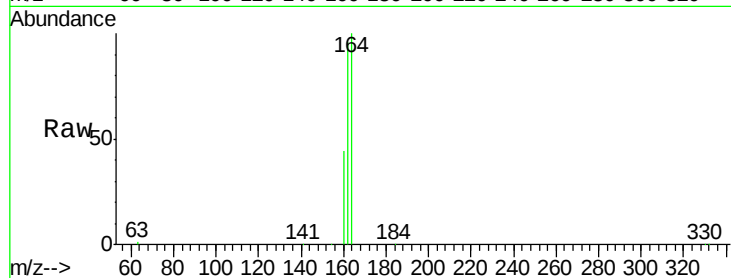
Tgt Ion:164 Resp: 134173

Ion Ratio Lower Upper

164 100

162 95.9 76.3 114.5

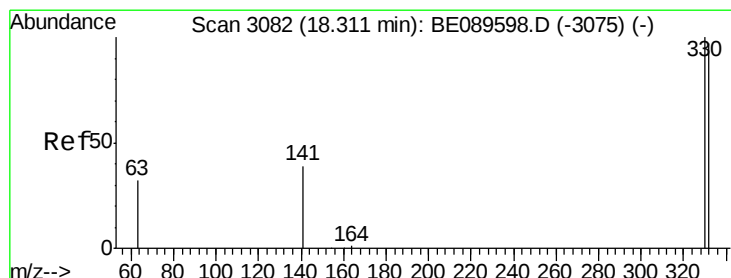
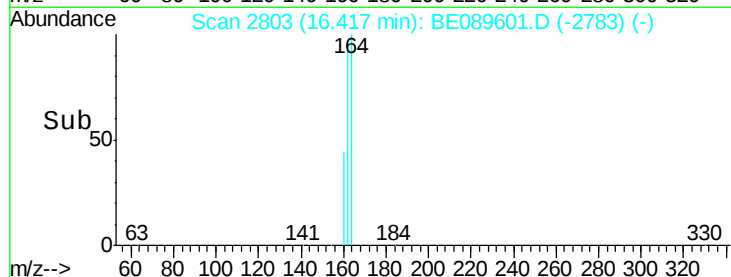
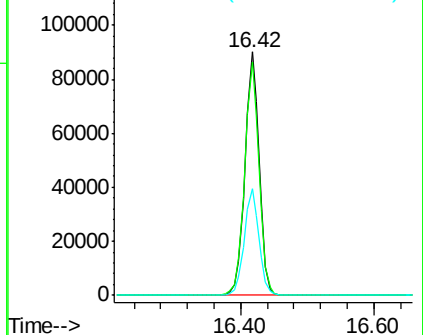
160 43.6 33.9 50.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 14.38 ng

RT: 18.32 min Scan# 3083

Delta R.T. 0.01 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

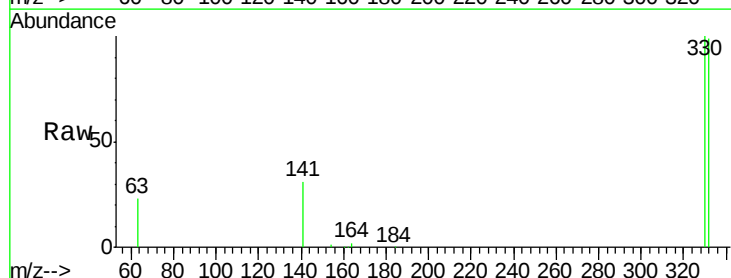
Tgt Ion:330 Resp: 39950

Ion Ratio Lower Upper

330 100

332 97.1 76.7 115.1

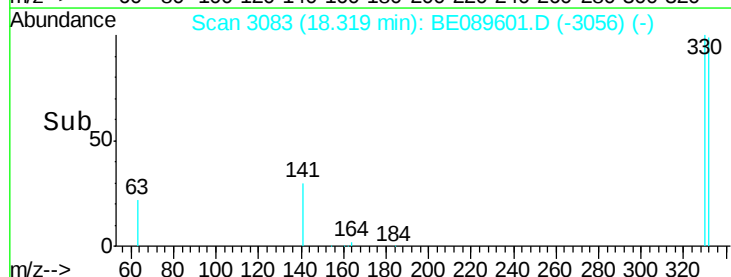
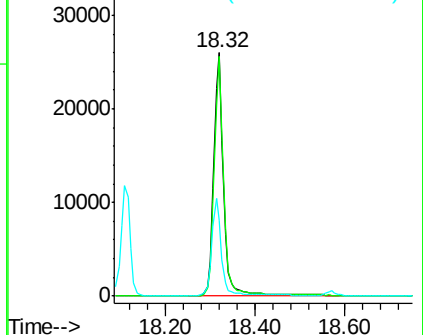
141 39.3 30.1 45.1

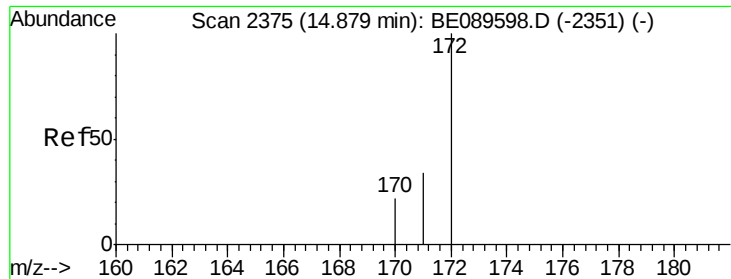


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

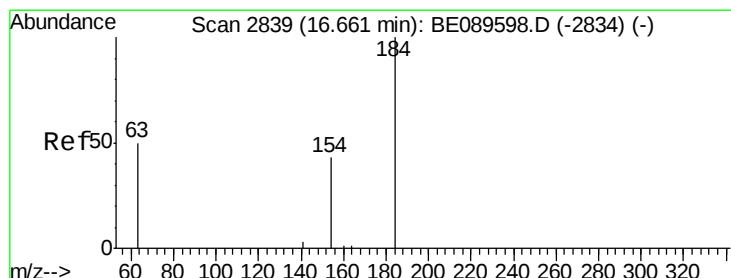
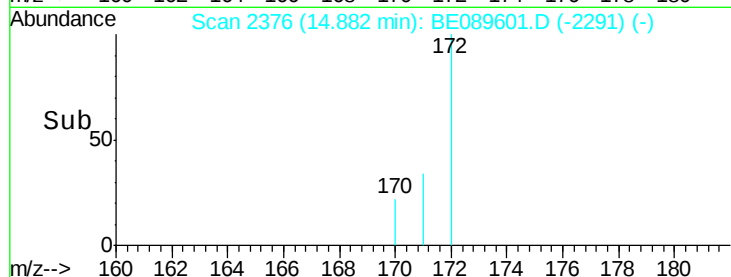
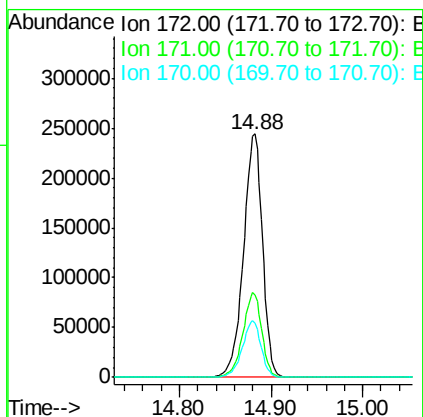
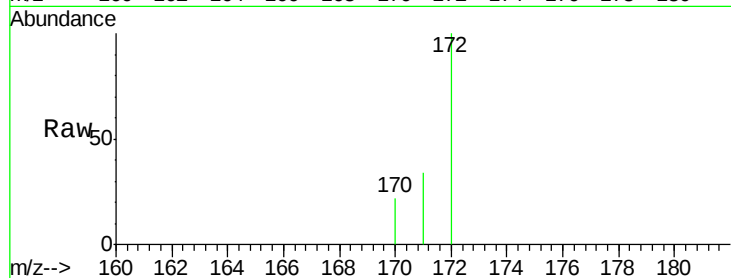




#15
2-Fluorobiphenyl
Concen: 9.66 ng
RT: 14.88 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BE089601.D
Acq: 17 Feb 2015 19:03

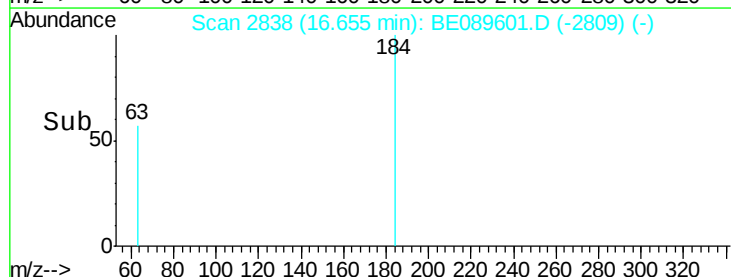
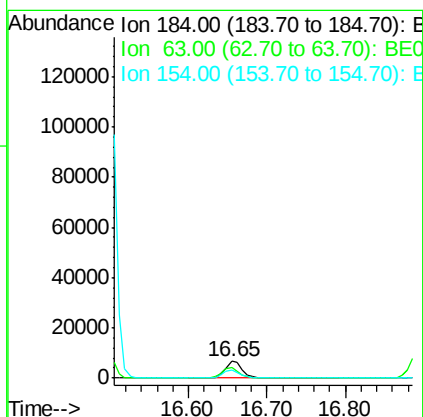
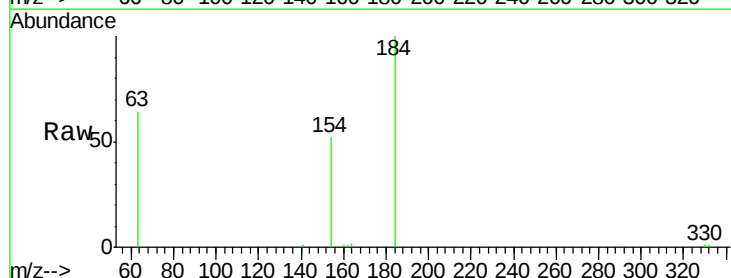
Instrument :
BNA_E
LabSampleId :
SSTDIC010

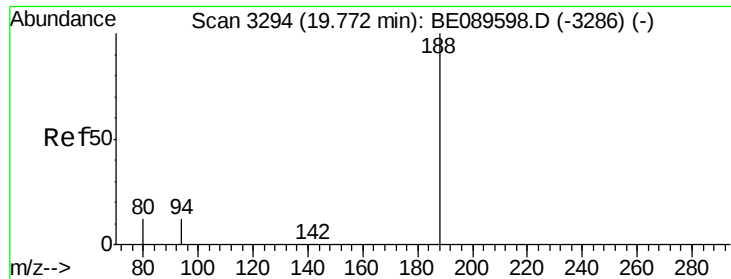
Tgt Ion:172 Resp: 348435
Ion Ratio Lower Upper
172 100
171 33.8 27.4 41.0
170 22.0 17.9 26.9



#16
2,4-Dinitrophenol
Concen: 21.91 ng
RT: 16.65 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BE089601.D
Acq: 17 Feb 2015 19:03

Tgt Ion:184 Resp: 10379
Ion Ratio Lower Upper
184 100
63 63.6 61.0 91.4
154 51.9 53.4 80.0#

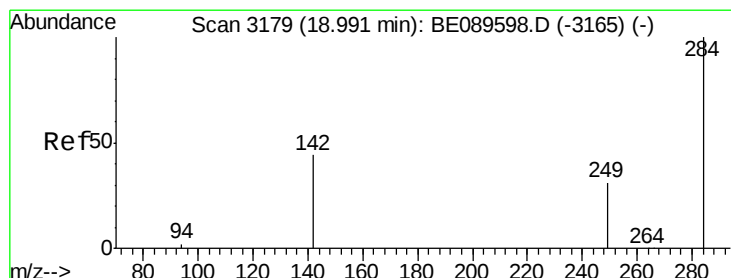
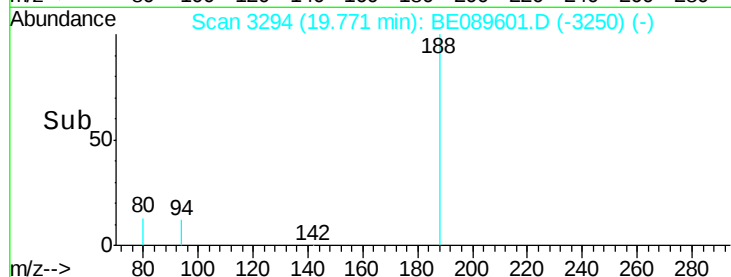
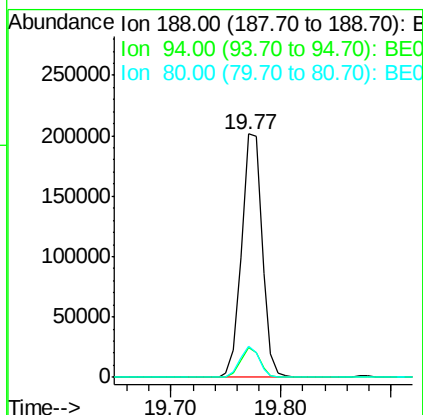
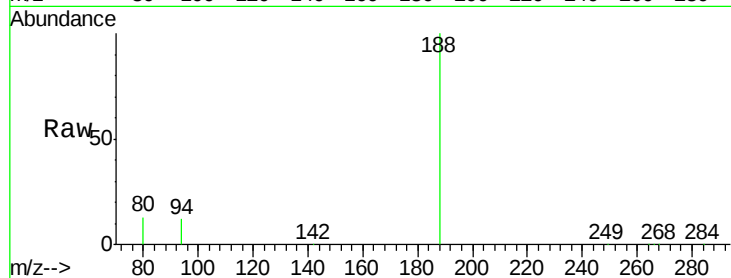




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3294
Delta R.T. -0.00 min
Lab File: BE089601.D
Acq: 17 Feb 2015 19:03

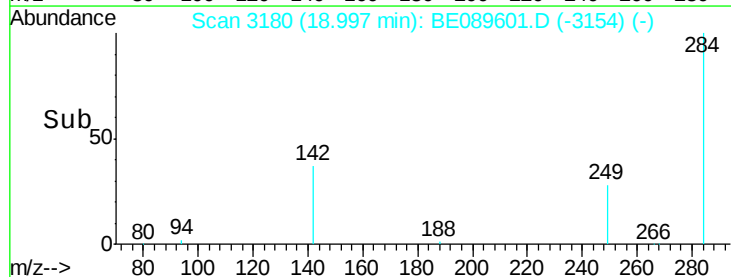
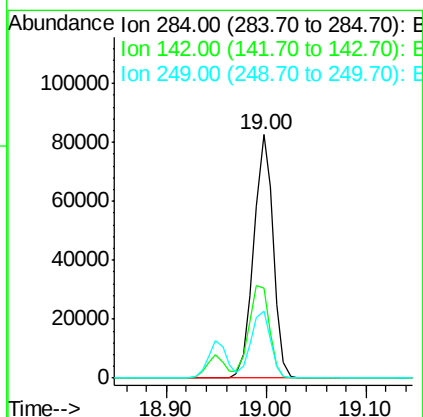
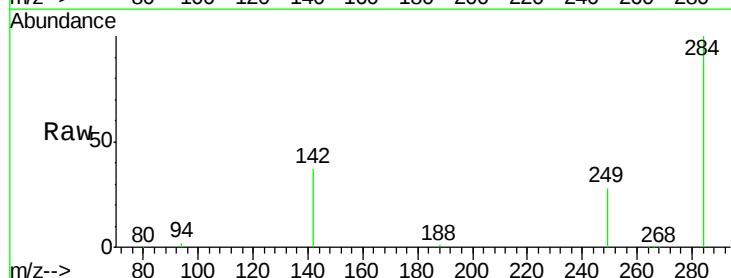
Instrument :
BNA_E
LabSampleId :
SSTDIC010

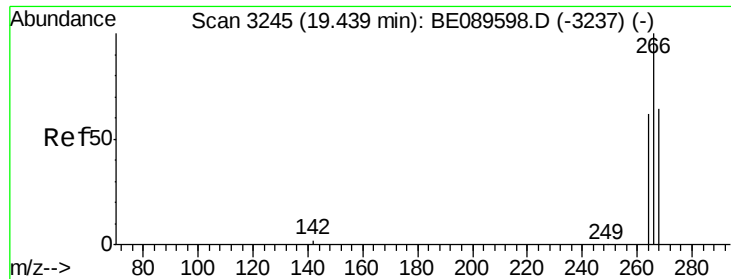
Tgt Ion:188 Resp: 260298
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 12.8 9.8 14.8



#18
Hexachlorobenzene
Concen: 10.17 ng
RT: 19.00 min Scan# 3180
Delta R.T. 0.01 min
Lab File: BE089601.D
Acq: 17 Feb 2015 19:03

Tgt Ion:284 Resp: 111624
Ion Ratio Lower Upper
284 100
142 36.8 35.6 53.4
249 27.7 25.2 37.8

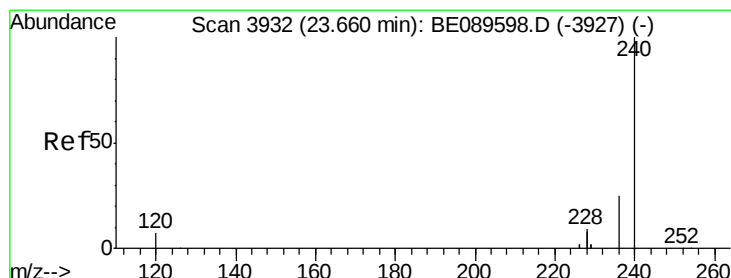
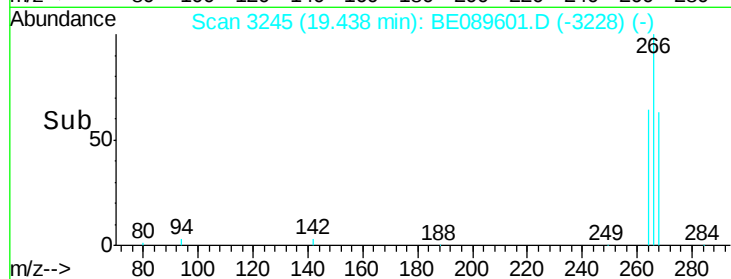
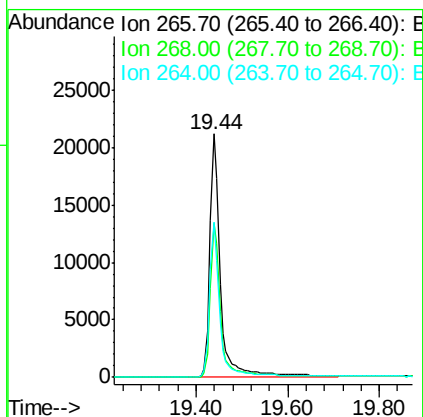
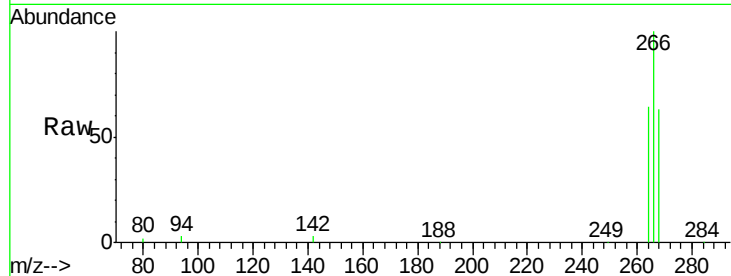




#19
 Pentachlorophenol
 Concen: 18.22 ng
 RT: 19.44 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: BE089601.D
 Acq: 17 Feb 2015 19:03

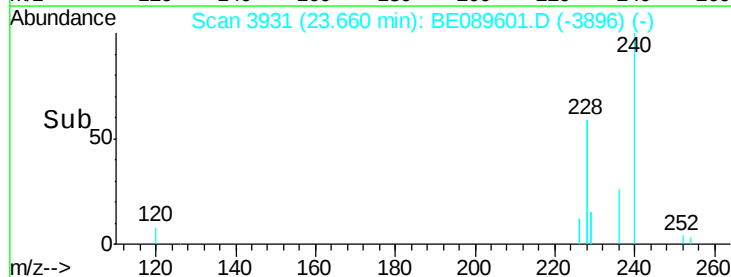
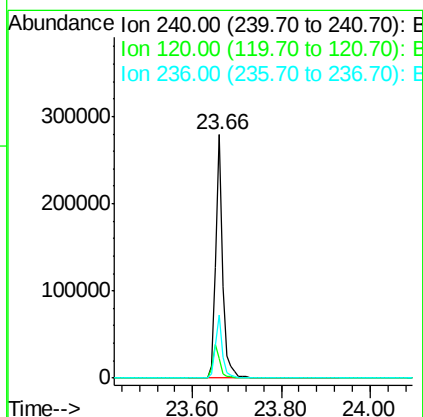
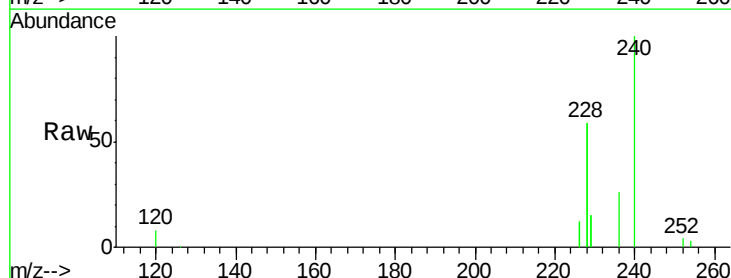
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

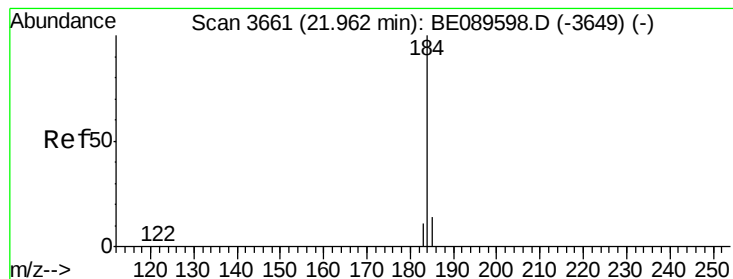
Tgt Ion: 266 Resp: 33895
 Ion Ratio Lower Upper
 266 100
 268 63.1 53.0 79.4
 264 63.7 51.9 77.9



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3931
 Delta R.T. 0.00 min
 Lab File: BE089601.D
 Acq: 17 Feb 2015 19:03

Tgt Ion: 240 Resp: 300108
 Ion Ratio Lower Upper
 240 100
 120 8.2 5.4 8.0#
 236 26.1 19.8 29.6





#21

Benzidine

Concen: 12.87 ng

RT: 21.96 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDIC010

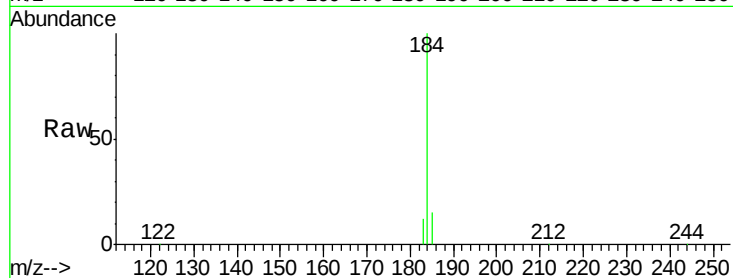
Tgt Ion:184 Resp: 289879

Ion Ratio Lower Upper

184 100

185 14.5 11.8 17.8

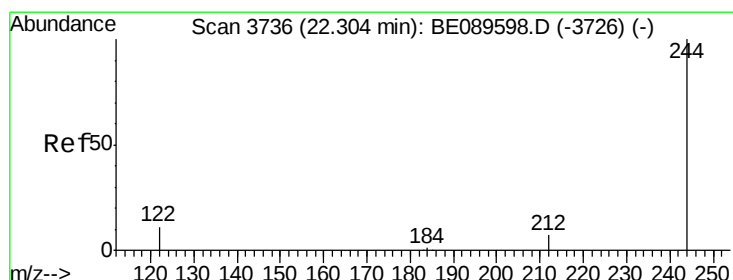
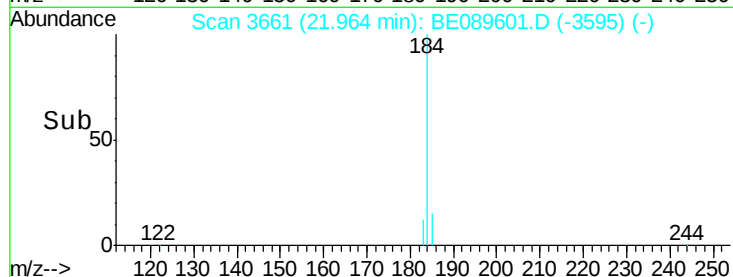
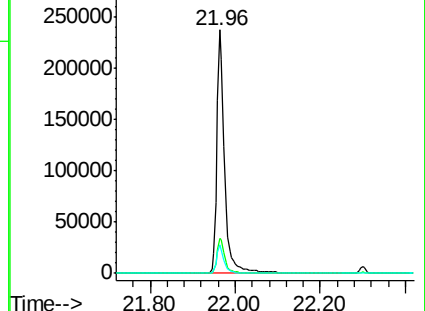
183 11.6 9.3 13.9



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: 10.57 ng

RT: 22.30 min Scan# 3735

Delta R.T. -0.00 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

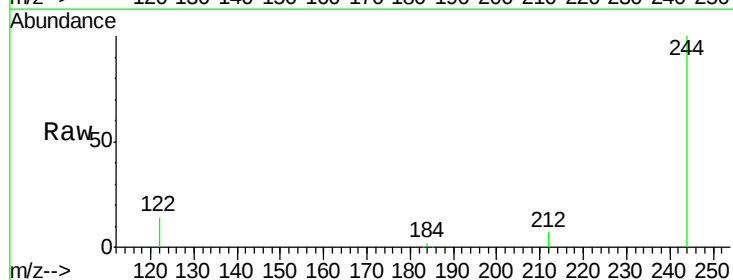
Tgt Ion:244 Resp: 429705

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

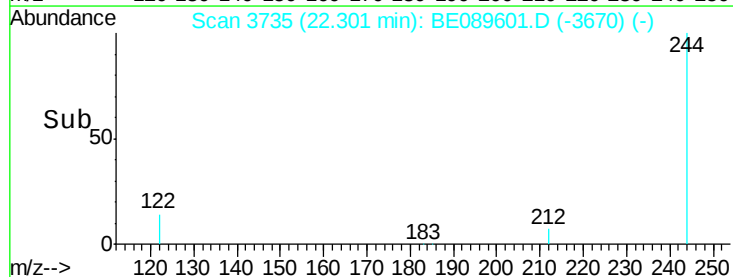
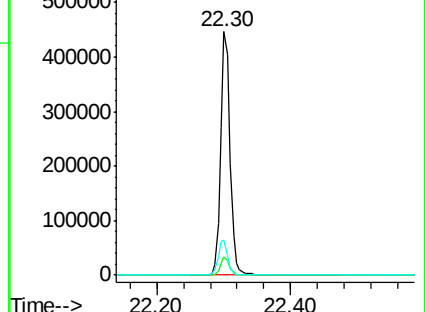
122 14.2 8.6 13.0#

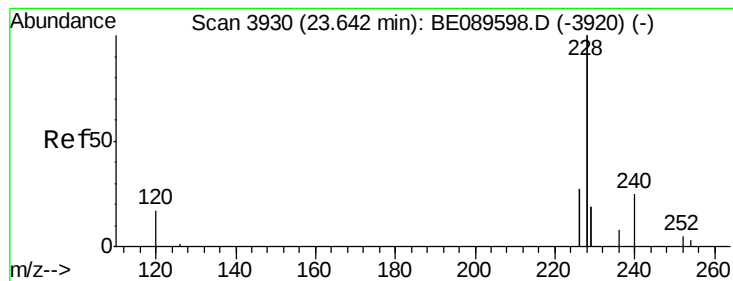


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 10.60 ng

RT: 23.64 min Scan# 3929

Delta R.T. 0.00 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDIC010

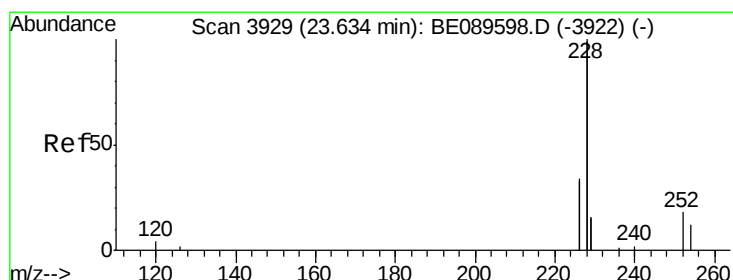
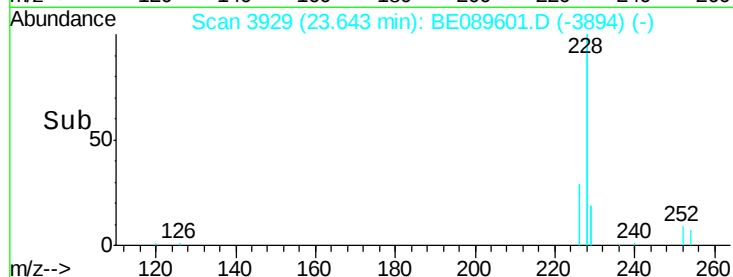
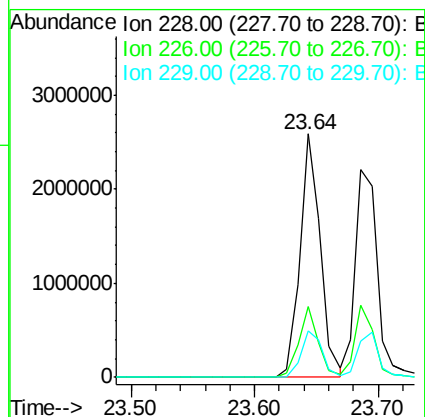
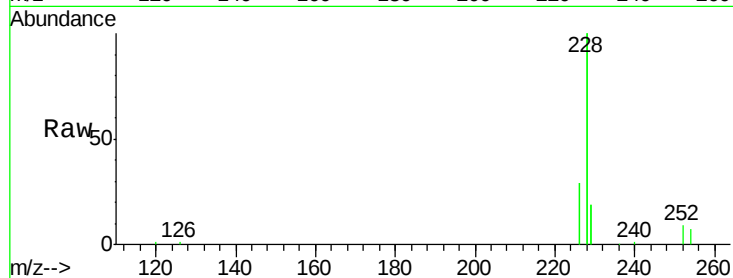
Tgt Ion:228 Resp: 2987138

Ion Ratio Lower Upper

228 100

226 29.1 21.5 32.3

229 19.2 15.0 22.6



#24

3,3'-Dichlorobenzidine

Concen: 13.63 ng

RT: 23.63 min Scan# 3928

Delta R.T. 0.00 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

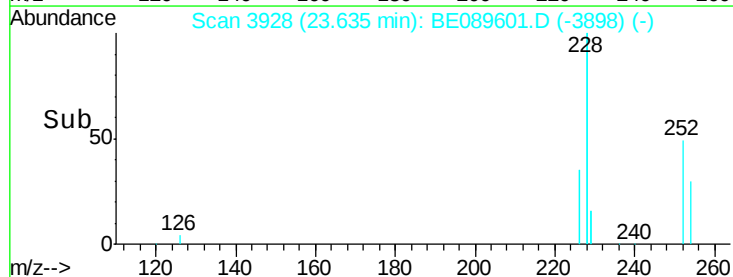
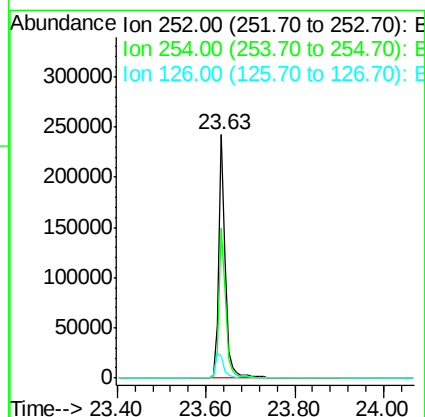
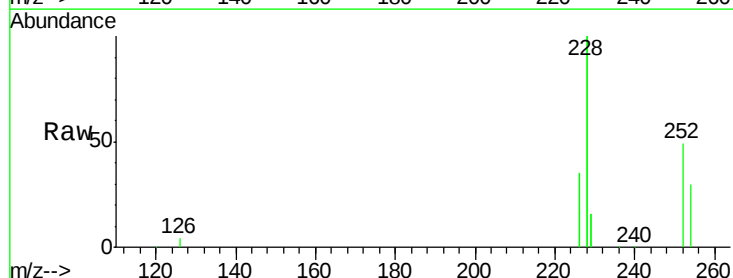
Tgt Ion:252 Resp: 246535

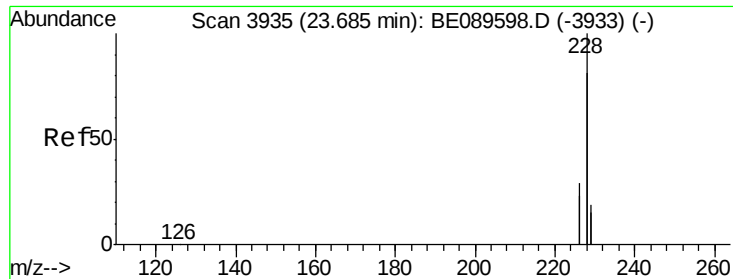
Ion Ratio Lower Upper

252 100

254 61.7 51.7 77.5

126 9.0 9.9 14.9#





#25

Chrysene

Concen: 9.60 ng

RT: 23.69 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDIC010

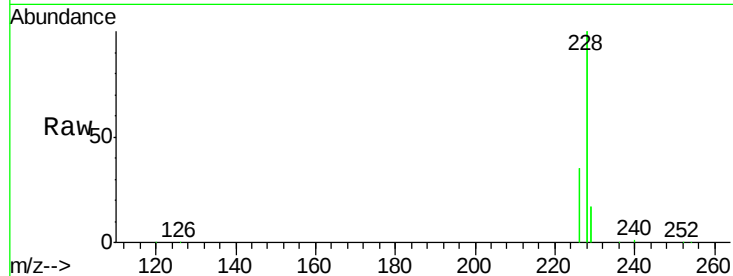
Tgt Ion:228 Resp: 2780943

Ion Ratio Lower Upper

228 100

226 34.6 23.4 35.2

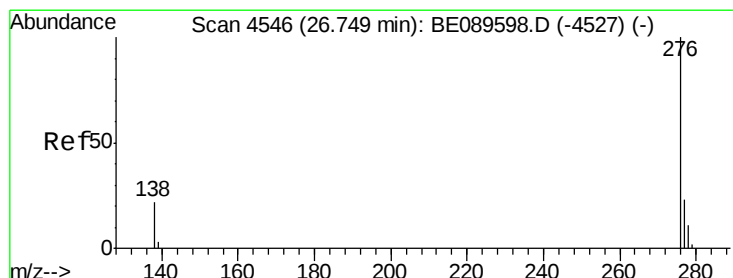
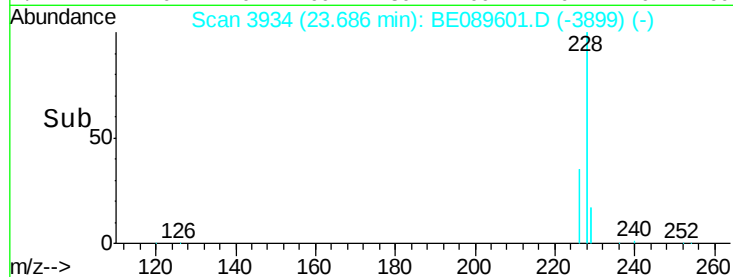
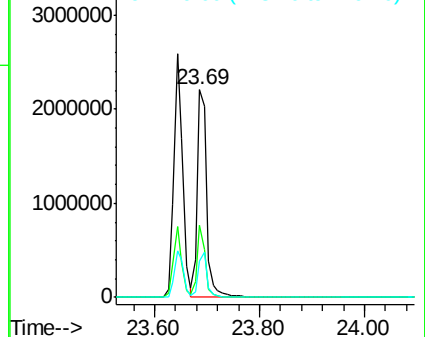
229 17.5 15.3 22.9



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: 11.23 ng

RT: 26.76 min Scan# 4547

Delta R.T. 0.01 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

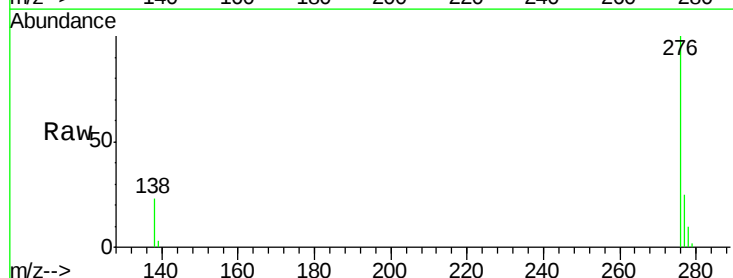
Tgt Ion:276 Resp: 712751

Ion Ratio Lower Upper

276 100

138 27.6 0.0 0.0#

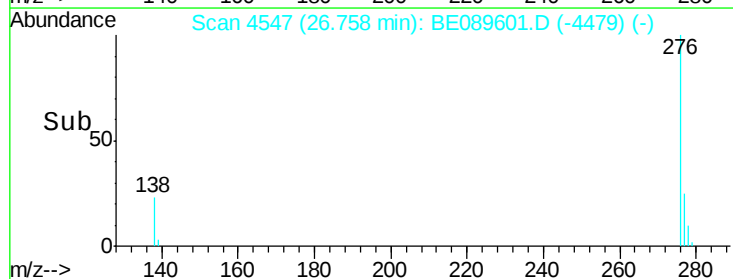
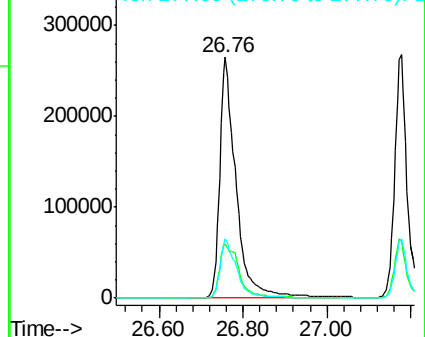
277 25.3 19.9 29.9

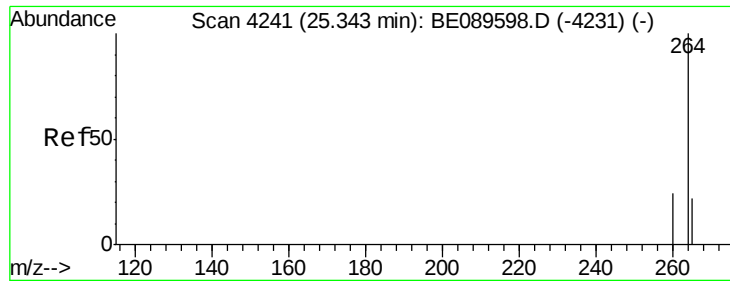


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



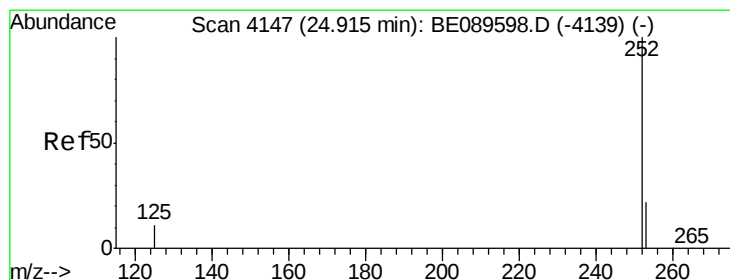
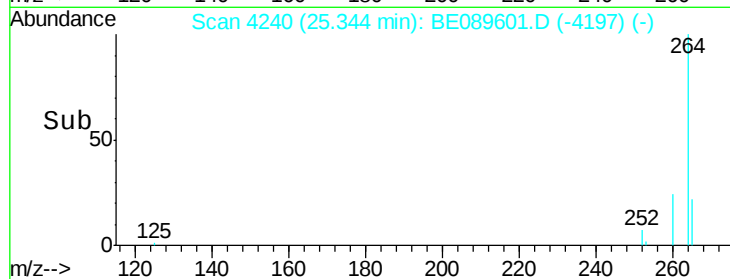
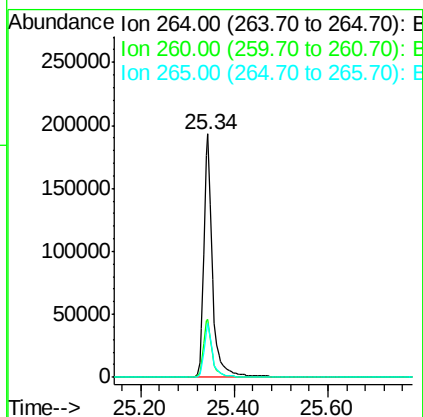
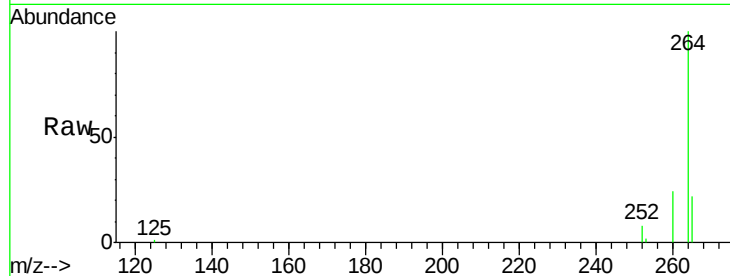


#27
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4240
Delta R.T. 0.00 min
Lab File: BE089601.D
Acq: 17 Feb 2015 19:03

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion: 264 Resp: 248515

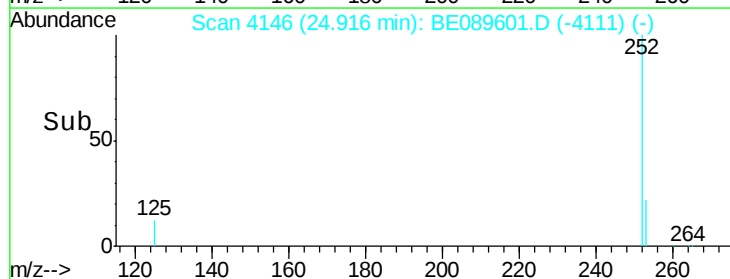
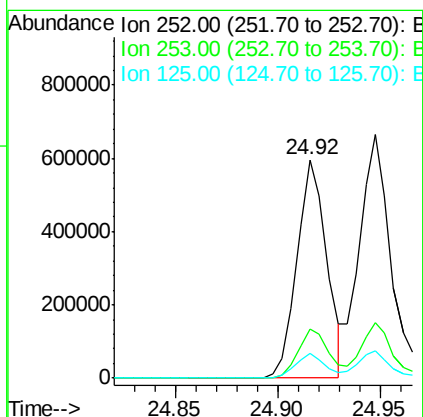
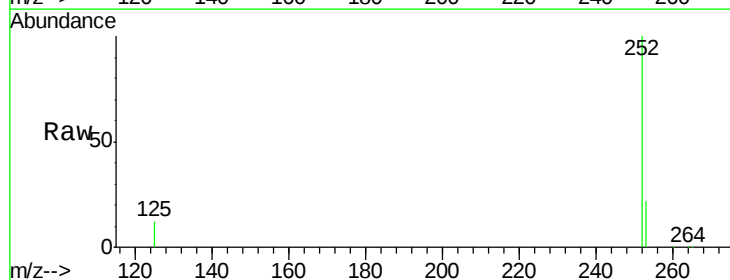
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.3	17.8	26.8

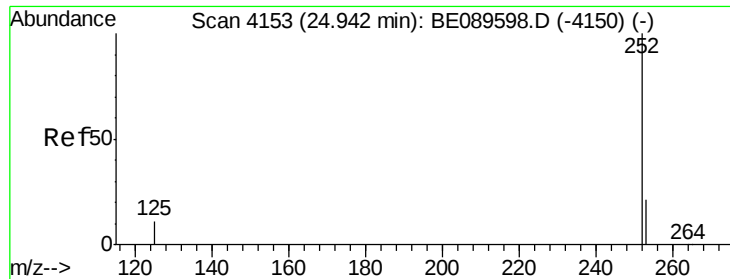


#28
Benzo(b)fluoranthene
Concen: 12.82 ng
RT: 24.92 min Scan# 4146
Delta R.T. 0.00 min
Lab File: BE089601.D
Acq: 17 Feb 2015 19:03

Tgt Ion: 252 Resp: 597414

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.6	8.9	13.3





#29

Benzo(k)fluoranthene

Concen: 11.76 ng

RT: 24.95 min Scan# 4153

Delta R.T. 0.01 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDIC010

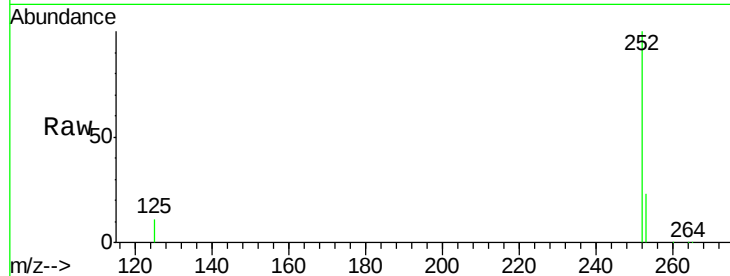
Tgt Ion:252 Resp: 784435

Ion Ratio Lower Upper

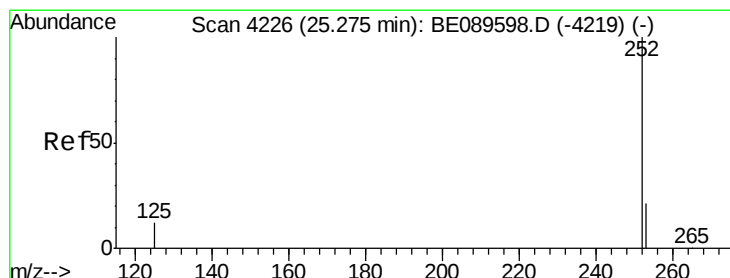
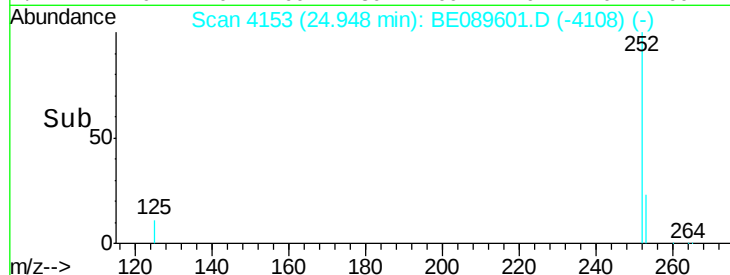
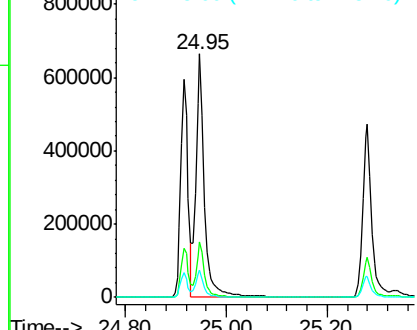
252 100

253 23.0 17.3 25.9

125 11.4 8.9 13.3



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: 13.08 ng

RT: 25.28 min Scan# 4226

Delta R.T. 0.01 min

Lab File: BE089601.D

Acq: 17 Feb 2015 19:03

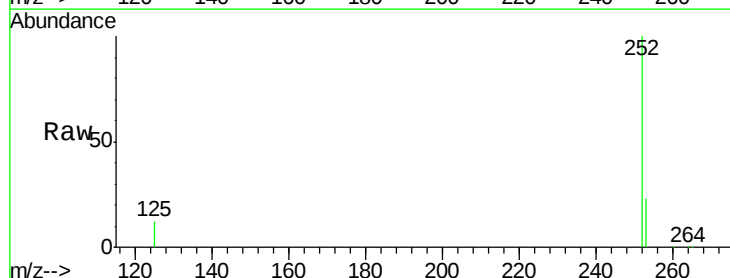
Tgt Ion:252 Resp: 582305

Ion Ratio Lower Upper

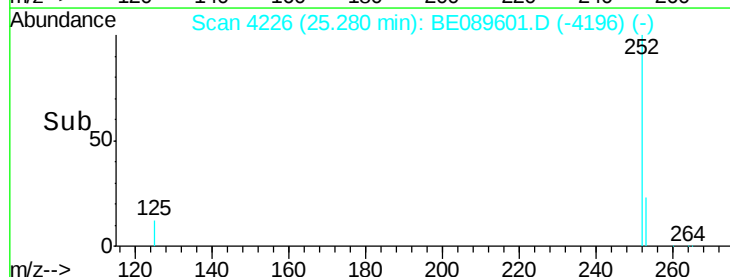
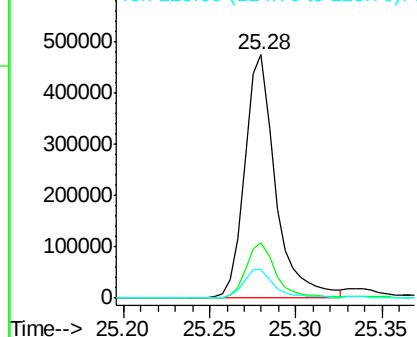
252 100

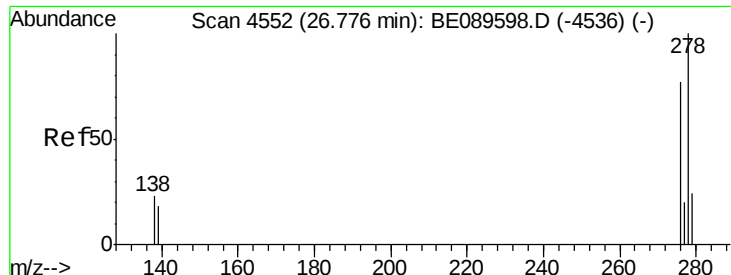
253 23.0 17.1 25.7

125 12.0 9.8 14.8



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: 12.80 ng

RT: 26.78 min Scan# 4553

Delta R.T. 0.01 min

Lab File: BE089601.D

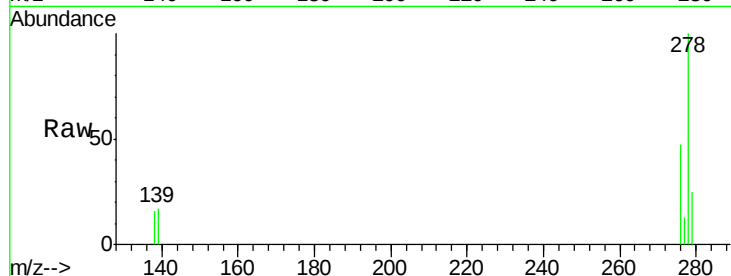
Acq: 17 Feb 2015 19:03

Instrument :

BNA_E

LabSampleId :

SSTDIC010



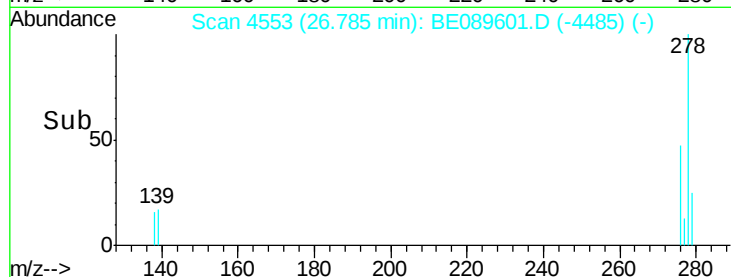
Tgt Ion: 278 Resp: 569315

Ion Ratio Lower Upper

278 100

139 17.3 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

