

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089465.D
 Acq On : 3 Feb 2015 15:40
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Feb 04 00:30:10 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:22:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	59207	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	234127	5.00	ng	0.00
13) Acenaphthene-d10	16.62	164	100469	5.00	ng	0.00
17) Phenanthrene-d10	19.94	188	193248	5.00	ng	0.00
20) Chrysene-d12	23.79	240	189871	5.00	ng	0.00
27) Perylene-d12	25.49	264	180237	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.72	112	193553	9.77	ng	0.00
4) Phenol-d6	8.85	99	239535	10.30	ng	0.00
8) Nitrobenzene-d5	10.79	82	187277	10.96	ng	0.00
14) 2,4,6-Tribromophenol	18.52	330	44014	16.76	ng	0.01
15) 2-Fluorobiphenyl	15.07	172	262662	9.37	ng	0.00
22) Terphenyl-d14	22.43	244	283211	12.94	ng	0.00

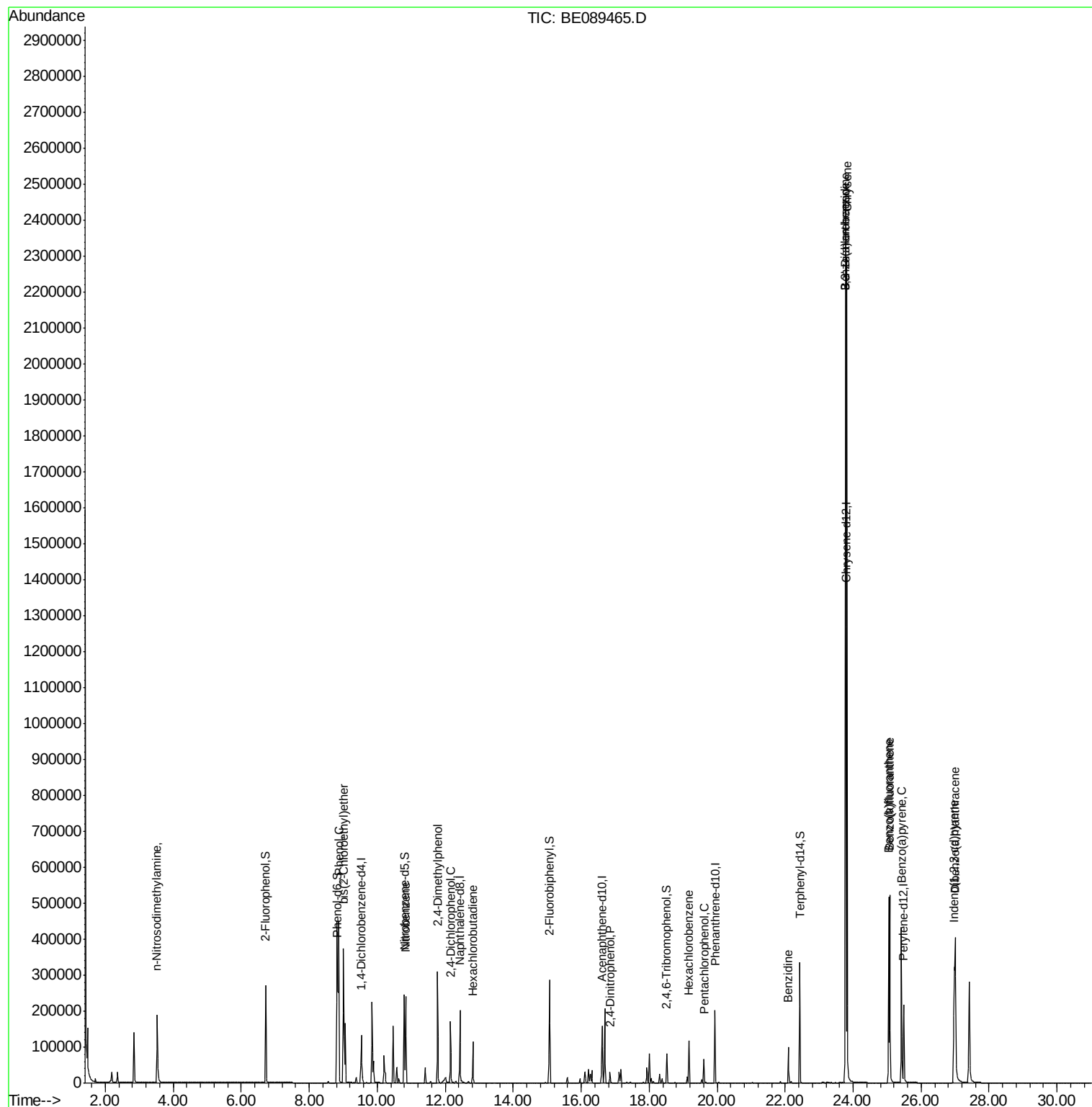
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.52	42	121108	12.72	ng	# 79
5) Phenol	8.87	94	236179	9.46	ng	# 62
6) bis(2-Chloroethyl)ether	9.01	93	184343	10.11	ng	# 99
9) Nitrobenzene	10.84	77	211565	10.91	ng	98
10) 2,4-Dimethylphenol	11.78	122	152747	10.98	ng	98
11) 2,4-Dichlorophenol	12.16	162	115371	11.00	ng	90
12) Hexachlorobutadiene	12.81	225	69576	9.43	ng	99
16) 2,4-Dinitrophenol	16.85	184	18482	30.57	ng	# 78
18) Hexachlorobenzene	19.18	284	96384	9.50	ng	98
19) Pentachlorophenol	19.61	266	37402	31.38	ng	97
21) Benzidine	22.10	184	94872	7.01	ng	99
23) Benzo(a)anthracene	23.78	228	1775482	11.59	ng	97
24) 3,3'-Dichlorobenzidine	23.77	252	160472	11.91	ng	# 86
25) Chrysene	23.82	228	1665393	9.07	ng	93
26) Indeno(1,2,3-cd)pyrene	26.97	276	498940	9.28	ng	99
28) Benzo(b)fluoranthene	25.05	252	413295	16.80	ng	98
29) Benzo(k)fluoranthene	25.08	252	459952	10.17	ng	99
30) Benzo(a)pyrene	25.42	252	407183	14.76	ng	97
31) Dibenzo(a,h)anthracene	27.00	278	428190	12.95	ng	98

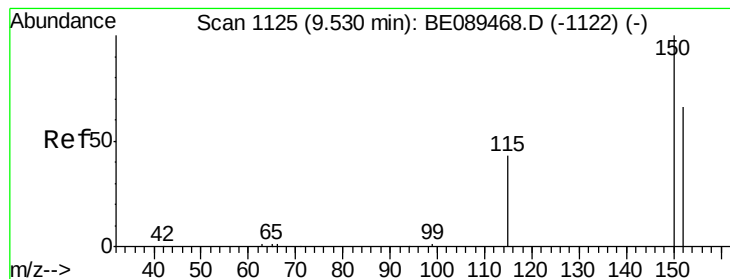
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
Data File : BE089465.D
Acq On : 3 Feb 2015 15:40
Operator : TP/IZ
Sample : SSTDICC010
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDICC010

Quant Time: Feb 04 00:30:10 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:22:17 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010

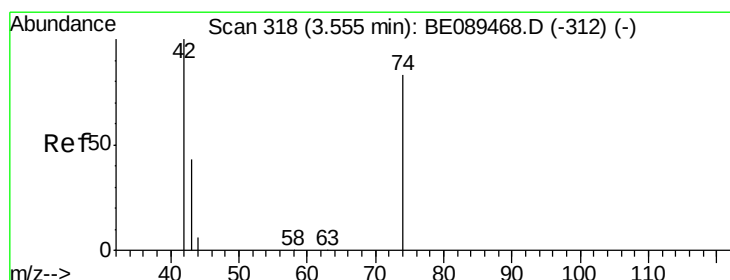
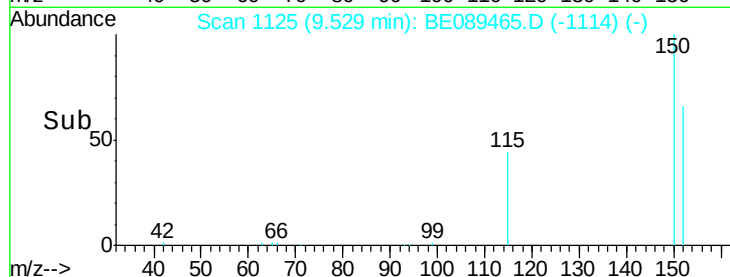
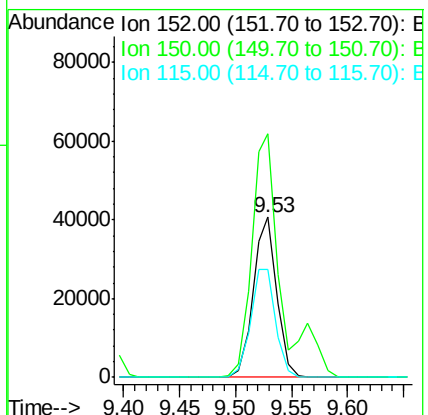
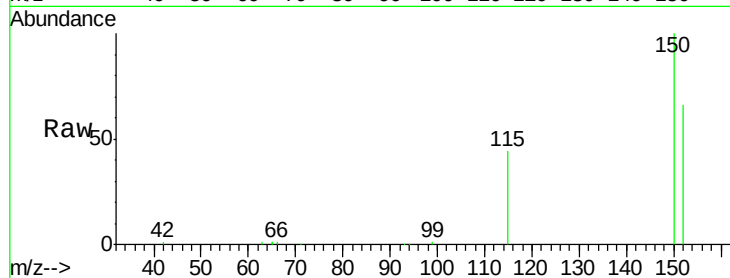
Tgt Ion:152 Resp: 59207

Ion Ratio Lower Upper

152 100

150 151.8 122.1 183.1

115 67.1 53.2 79.8



#2

n-Nitrosodimethylamine

Concen: 12.72 ng

RT: 3.52 min Scan# 313

Delta R.T. -0.03 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

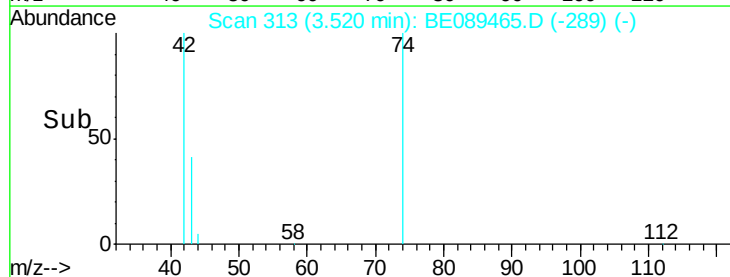
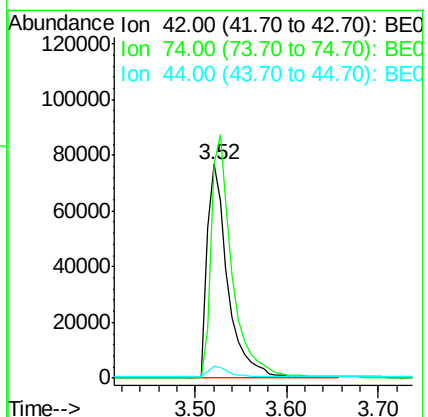
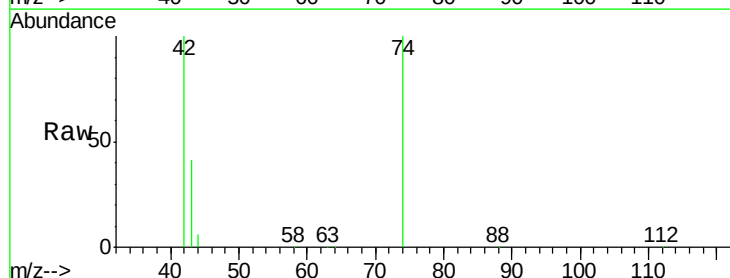
Tgt Ion: 42 Resp: 121108

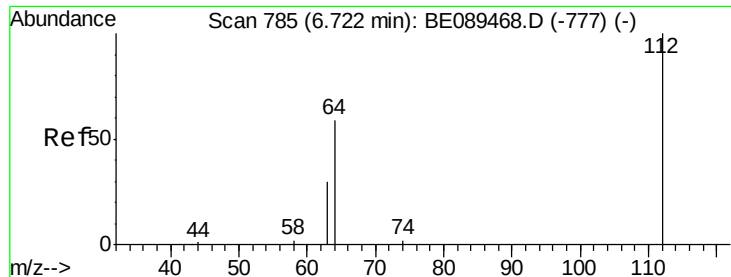
Ion Ratio Lower Upper

42 100

74 100.1 65.4 98.2#

44 5.6 11.7 17.5#

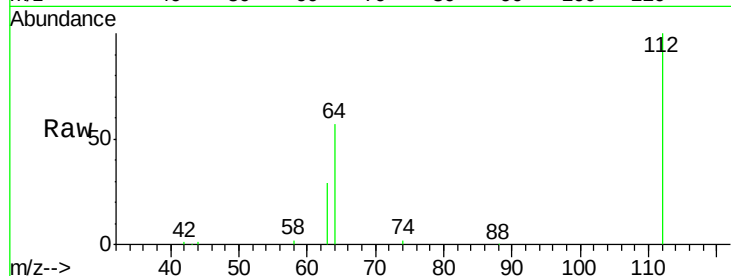




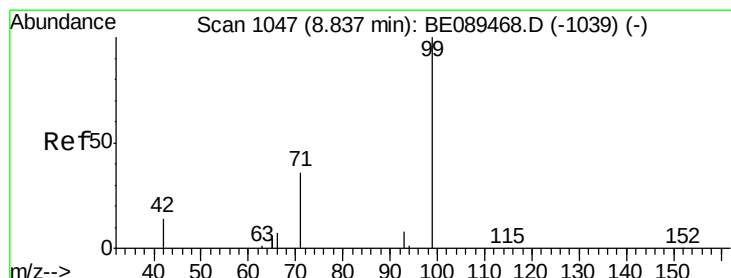
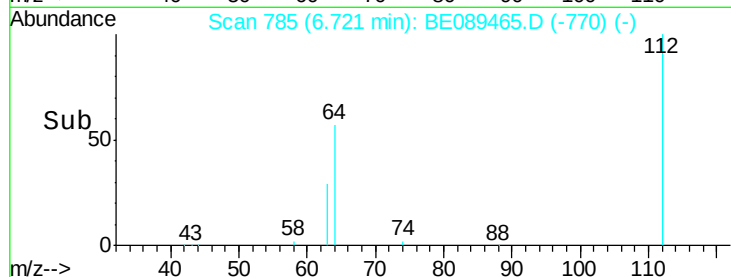
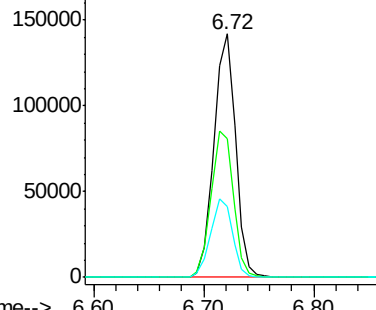
#3
 2-Fluorophenol
 Concen: 9.77 ng
 RT: 6.72 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Tgt Ion:	112	Resp:	193553
Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.0	70.6
63	28.8	24.2	36.2

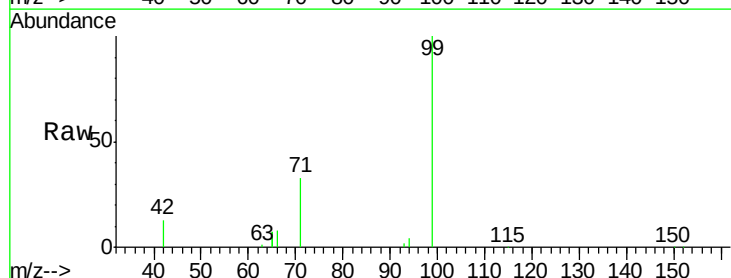


Abundance Ion 112.00 (111.70 to 112.70): BE0
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0

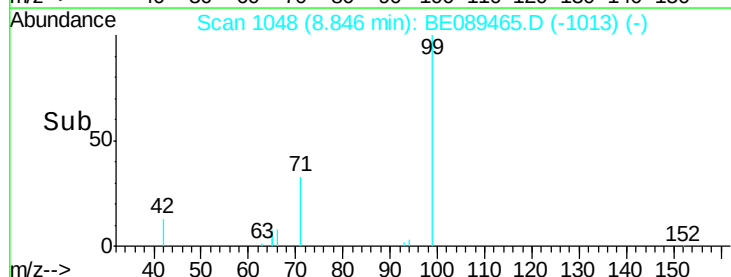
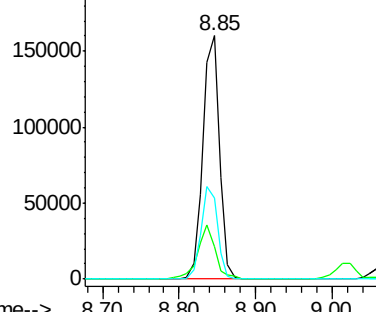


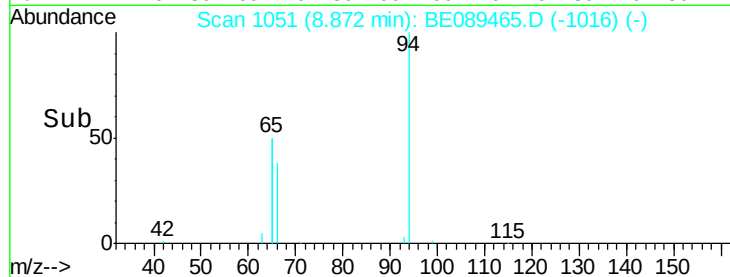
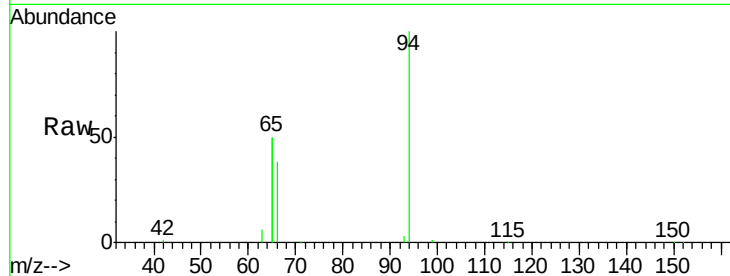
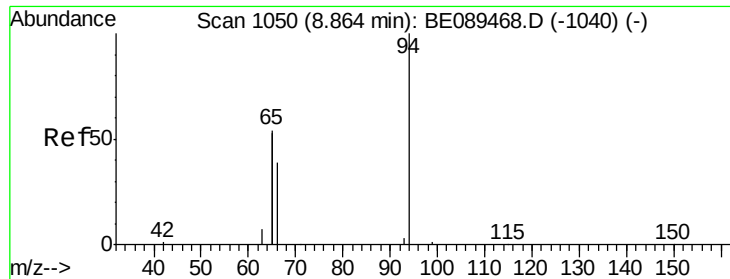
#4
 Phenol-d6
 Concen: 10.30 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

Tgt Ion:	99	Resp:	239535
Ion	Ratio	Lower	Upper
99	100		
42	13.5	11.8	17.6
71	33.2	28.7	43.1



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: 9.46 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010

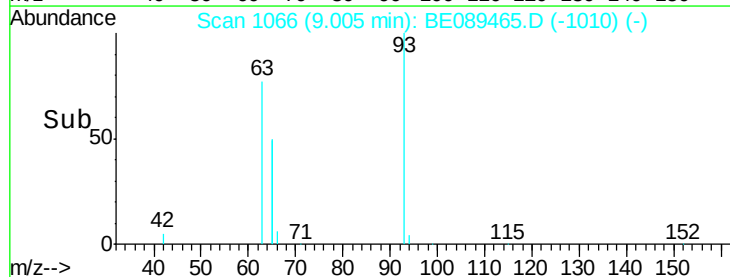
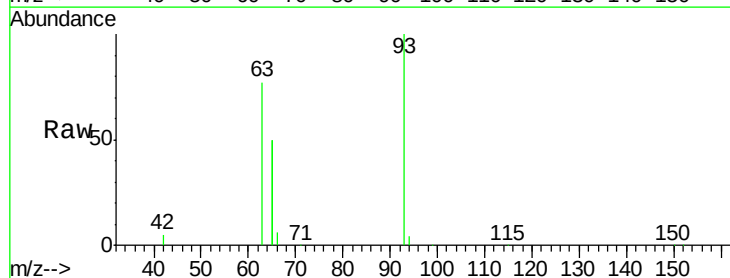
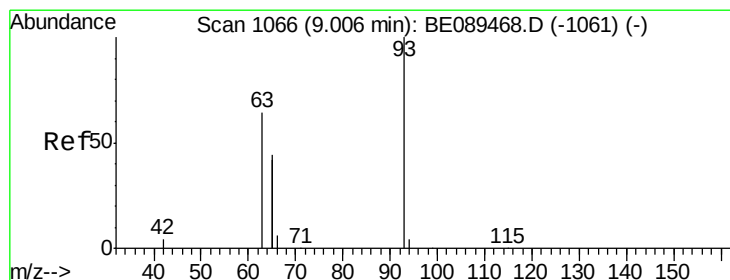
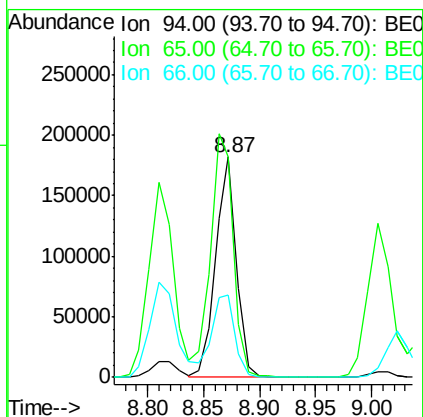
Tgt Ion: 94 Resp: 236179

Ion Ratio Lower Upper

94 100

65 100.0 33.9 73.9#

66 37.6 19.1 59.1



#6

bis(2-Chloroethyl)ether

Concen: 10.11 ng

RT: 9.01 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

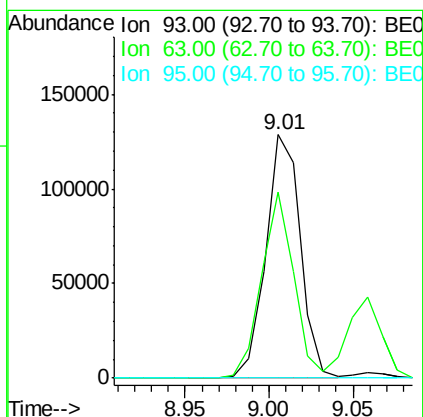
Tgt Ion: 93 Resp: 184343

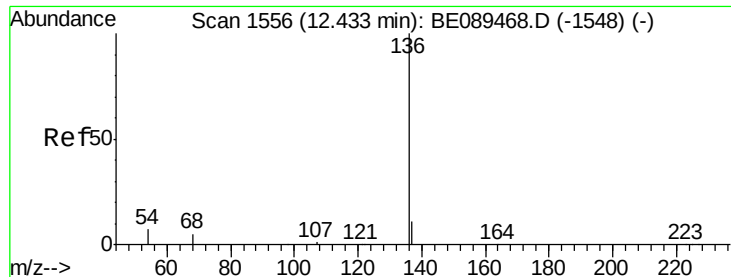
Ion Ratio Lower Upper

93 100

63 71.9 57.0 85.6

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDICC010

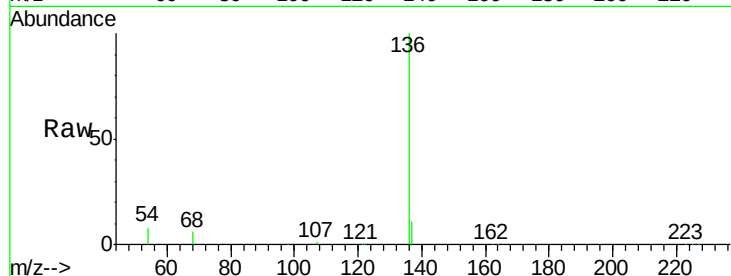
Tgt Ion: 136 Resp: 234127

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.1 5.4 8.0#



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

200000

150000

100000

50000

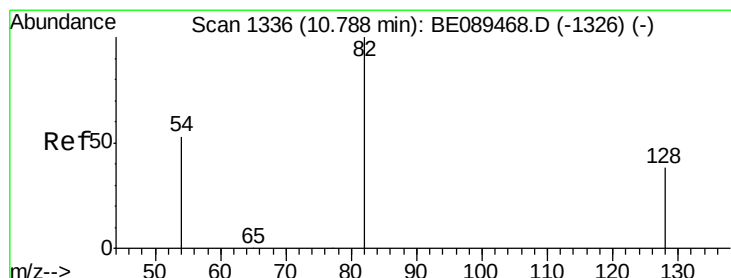
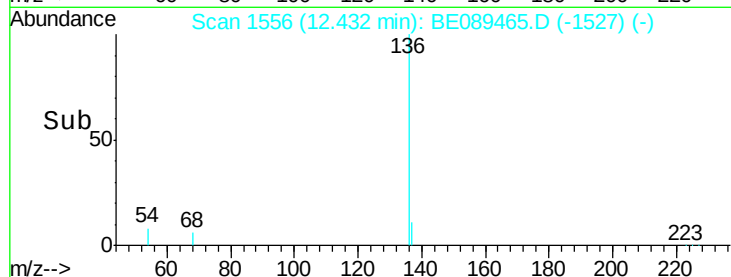
0

12.43

12.40

12.60

Time-->



#8

Nitrobenzene-d5

Concen: 10.96 ng

RT: 10.79 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

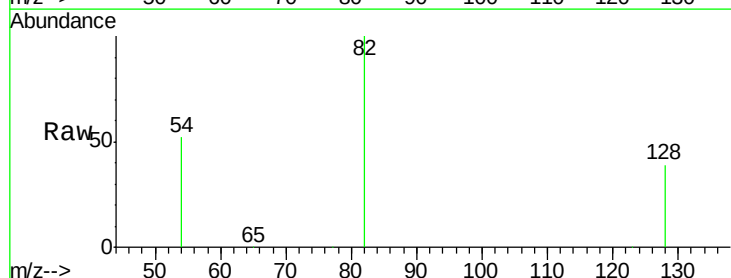
Tgt Ion: 82 Resp: 187277

Ion Ratio Lower Upper

82 100

128 38.9 30.3 45.5

54 52.1 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

150000

100000

50000

0

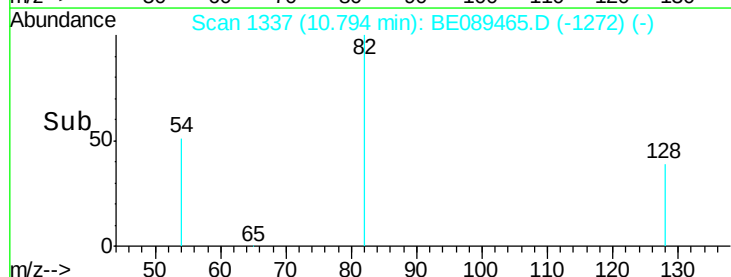
10.79

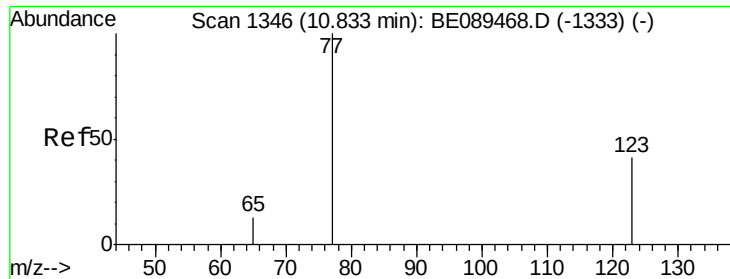
10.70

10.80

10.90

Time-->





#9

Nitrobenzene

Concen: 10.91 ng

RT: 10.84 min Scan# 1347

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010

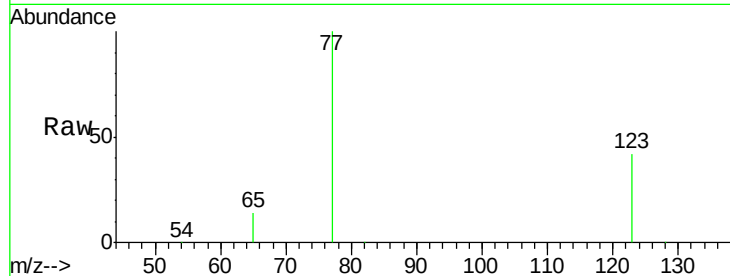
Tgt Ion: 77 Resp: 211565

Ion Ratio Lower Upper

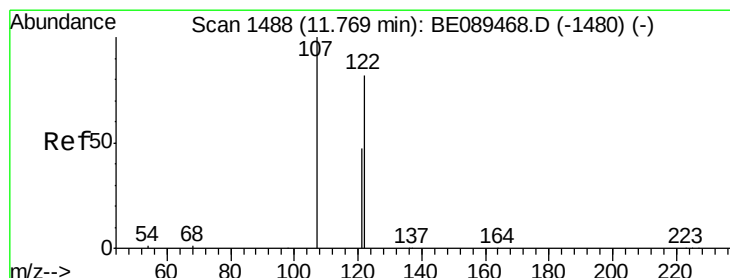
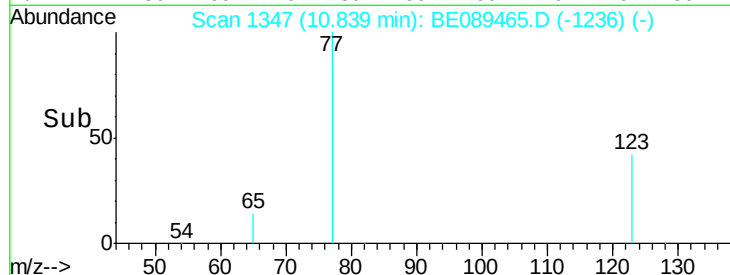
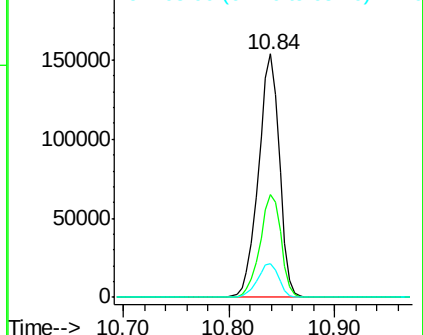
77 100

123 42.6 33.4 50.0

65 14.3 10.9 16.3



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



#10

2,4-Dimethylphenol

Concen: 10.98 ng

RT: 11.78 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

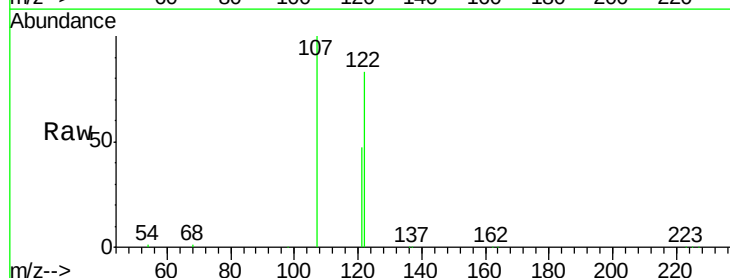
Tgt Ion: 122 Resp: 152747

Ion Ratio Lower Upper

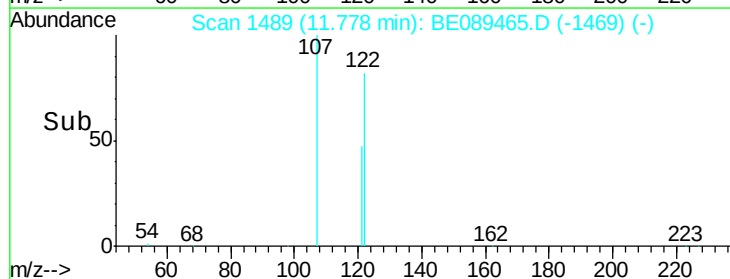
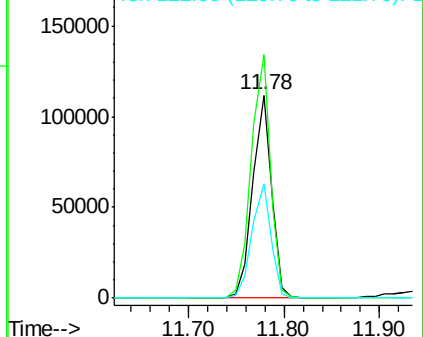
122 100

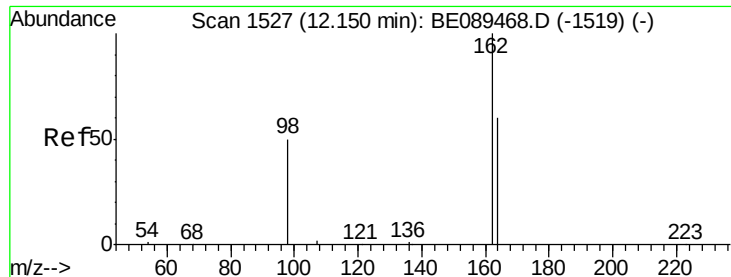
107 120.1 97.3 145.9

121 56.5 46.4 69.6



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





#11

2,4-Dichlorophenol

Concen: 11.00 ng

RT: 12.16 min Scan# 1528

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010

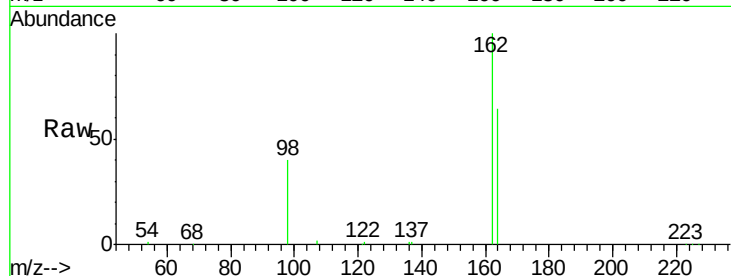
Tgt Ion:162 Resp: 115371

Ion Ratio Lower Upper

162 100

164 63.8 39.9 79.9

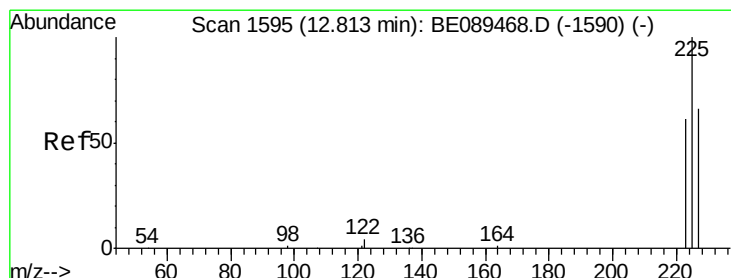
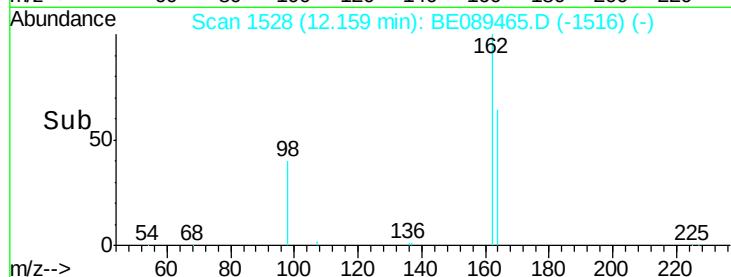
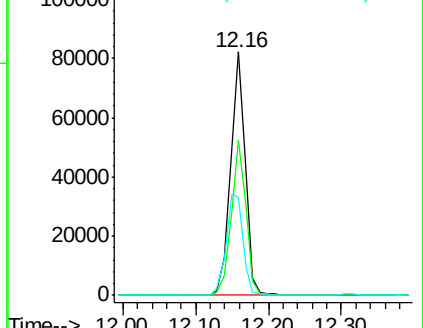
98 40.1 31.3 71.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): E



#12

Hexachlorobutadiene

Concen: 9.43 ng

RT: 12.81 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

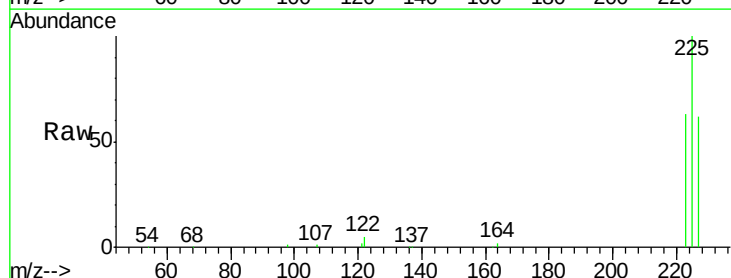
Tgt Ion:225 Resp: 69576

Ion Ratio Lower Upper

225 100

223 62.7 49.4 74.0

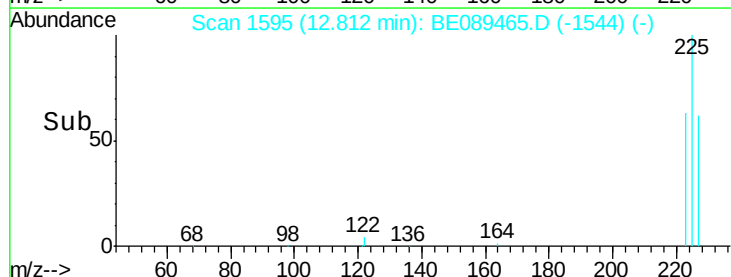
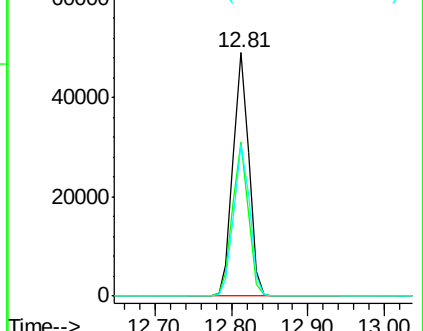
227 63.2 51.2 76.8

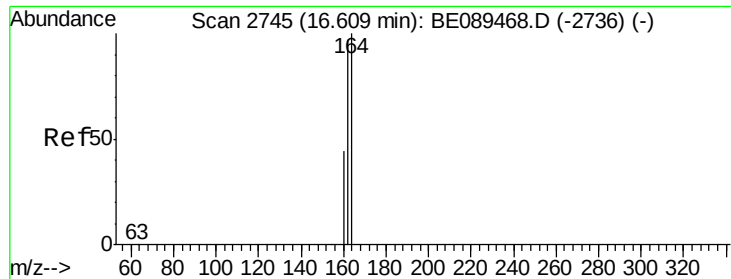


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.62 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010

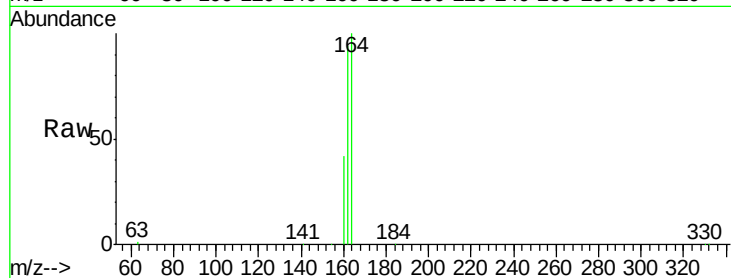
Tgt Ion:164 Resp: 100469

Ion Ratio Lower Upper

164 100

162 93.9 77.6 116.4

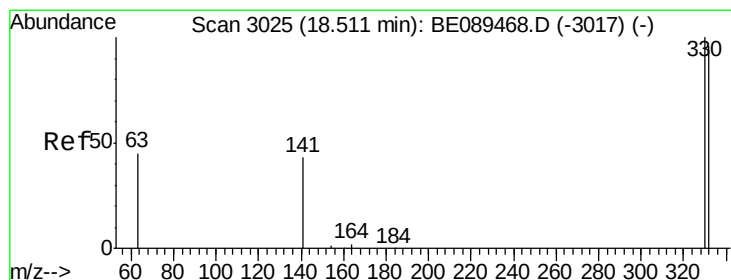
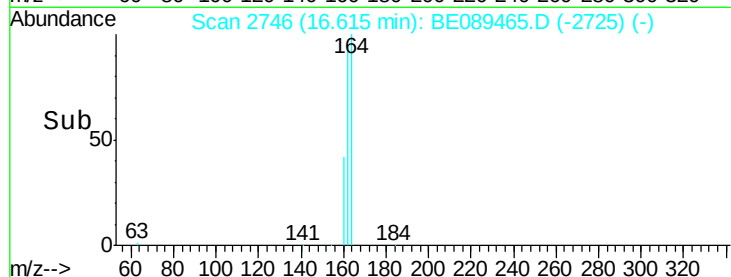
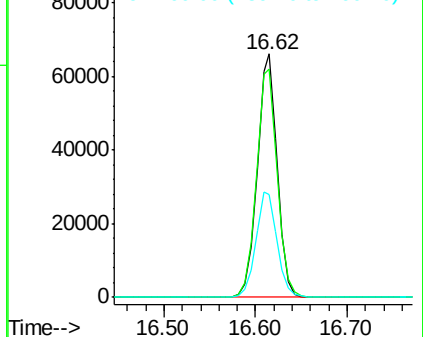
160 42.4 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 16.76 ng

RT: 18.52 min Scan# 3027

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

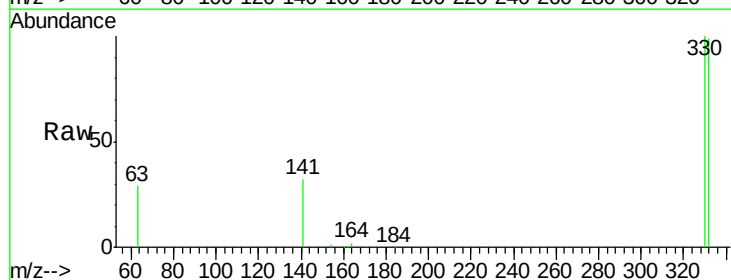
Tgt Ion:330 Resp: 44014

Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

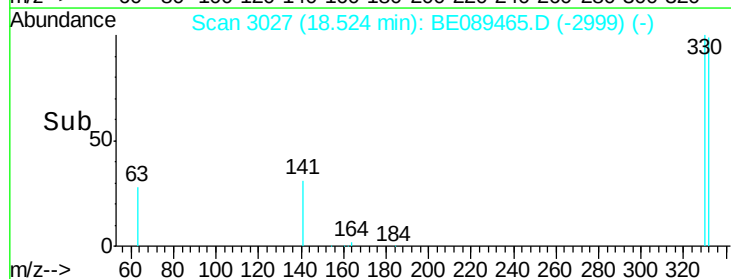
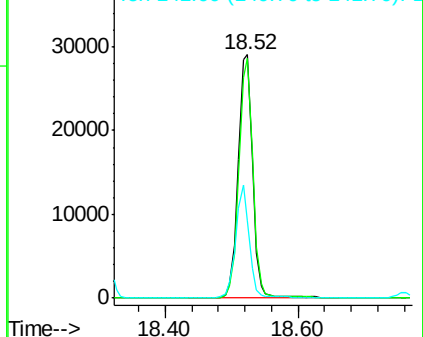
141 43.1 33.8 50.6

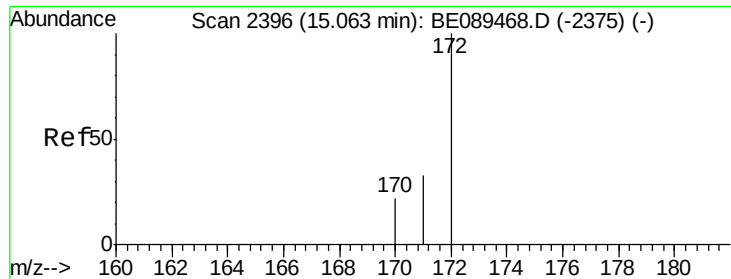


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

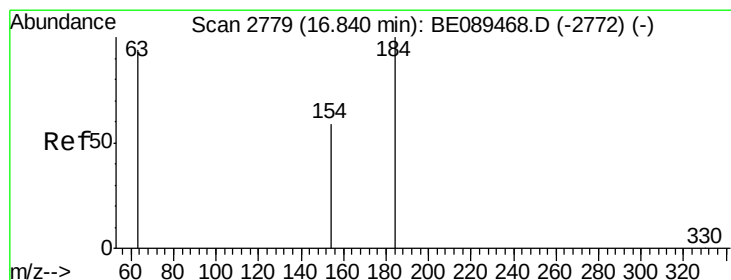
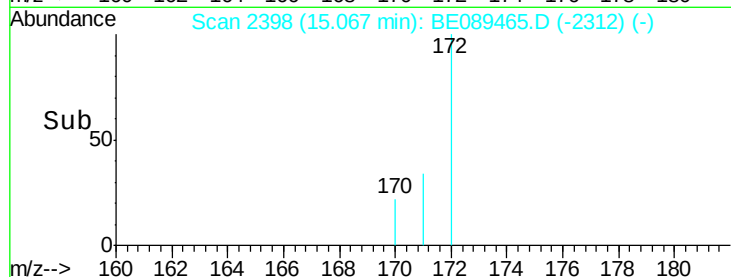
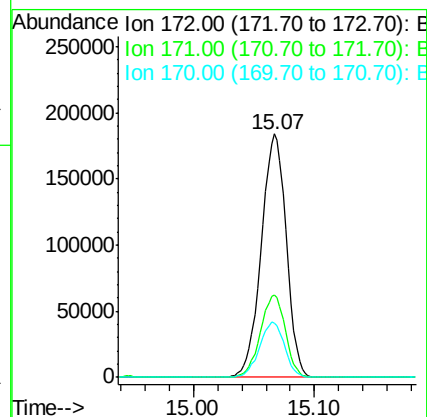
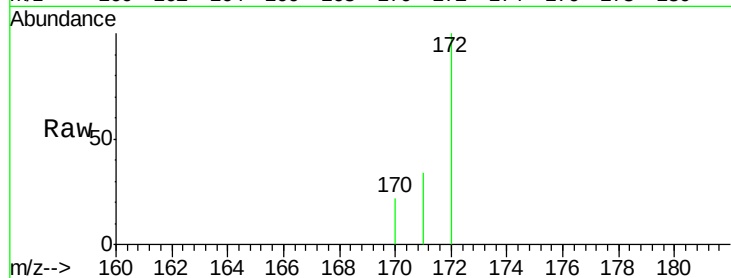




#15
2-Fluorobiphenyl
Concen: 9.37 ng
RT: 15.07 min Scan# 2398
Delta R.T. 0.00 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

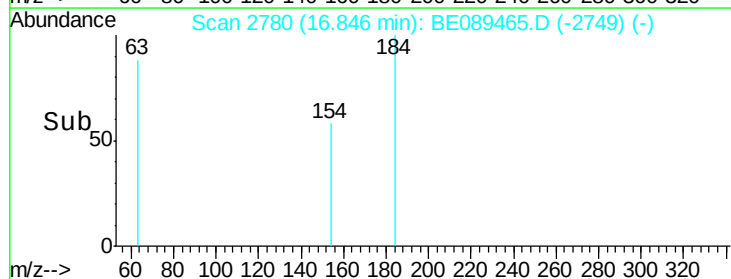
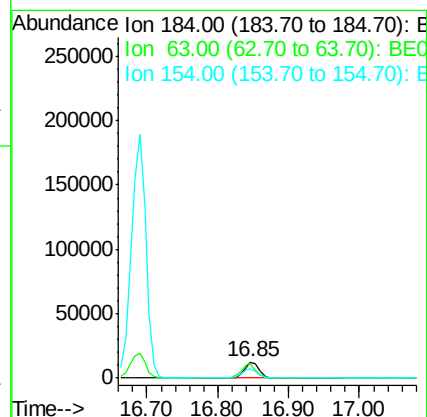
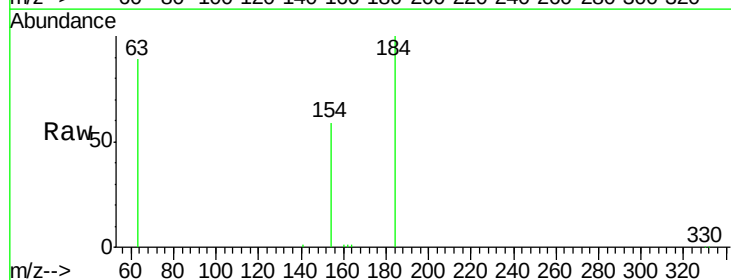
Instrument :
BNA_E
LabSampleId :
SSTDIC010

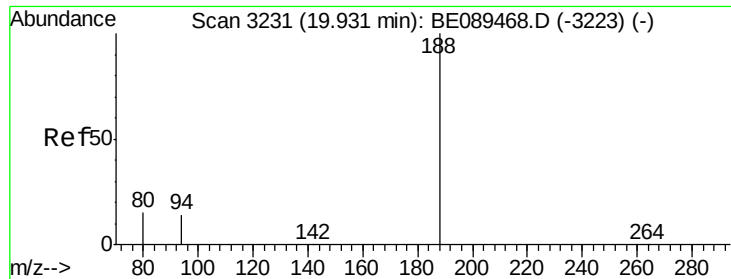
Tgt Ion:172 Resp: 262662
Ion Ratio Lower Upper
172 100
171 33.9 26.8 40.2
170 22.4 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 30.57 ng
RT: 16.85 min Scan# 2780
Delta R.T. 0.01 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

Tgt Ion:184 Resp: 18482
Ion Ratio Lower Upper
184 100
63 89.2 92.1 138.1#
154 59.3 61.4 92.2#

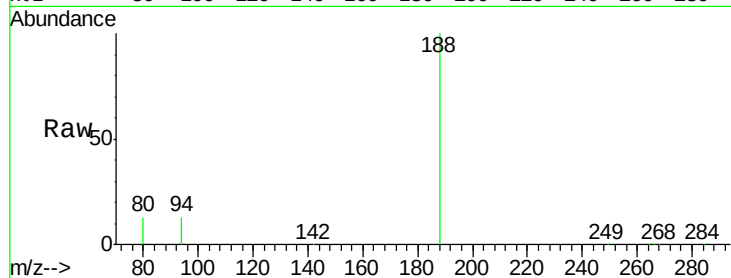




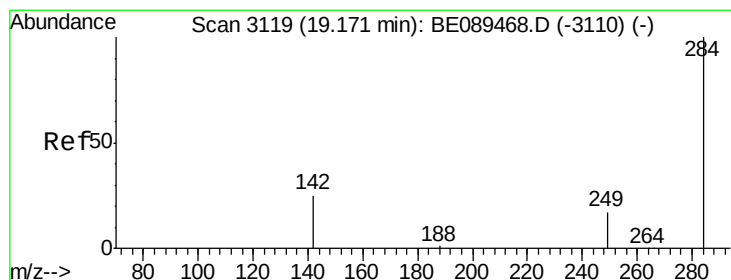
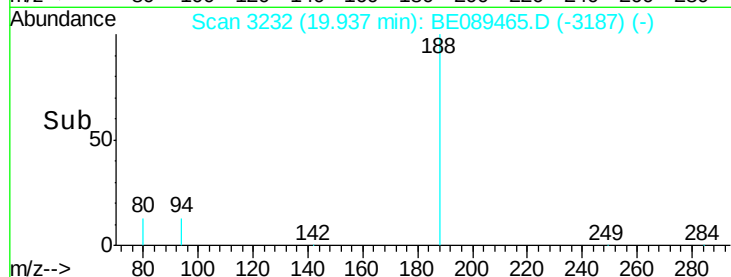
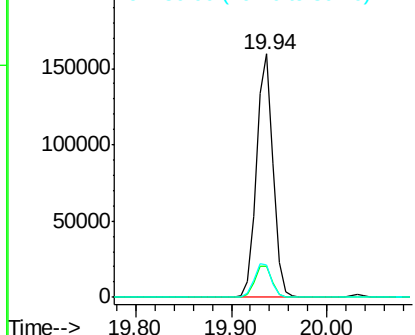
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.94 min Scan# 3232
Delta R.T. 0.01 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion:188 Resp: 193248
Ion Ratio Lower Upper
188 100
94 13.0 11.1 16.7
80 13.3 11.8 17.6

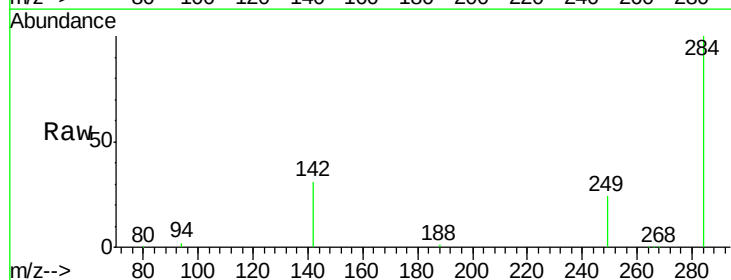


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

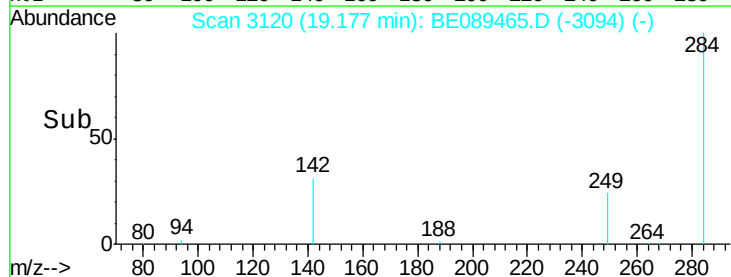
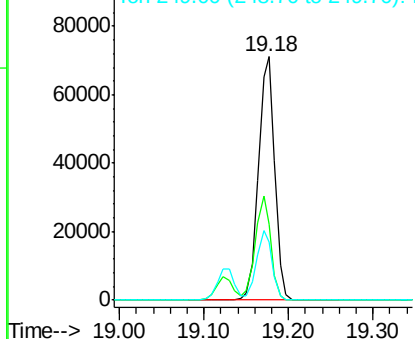


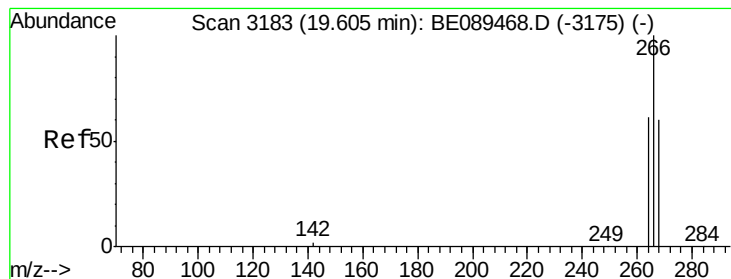
#18
Hexachlorobenzene
Concen: 9.50 ng
RT: 19.18 min Scan# 3120
Delta R.T. 0.01 min
Lab File: BE089465.D
Acq: 3 Feb 2015 15:40

Tgt Ion:284 Resp: 96384
Ion Ratio Lower Upper
284 100
142 31.3 24.4 36.6
249 23.7 18.2 27.2



Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

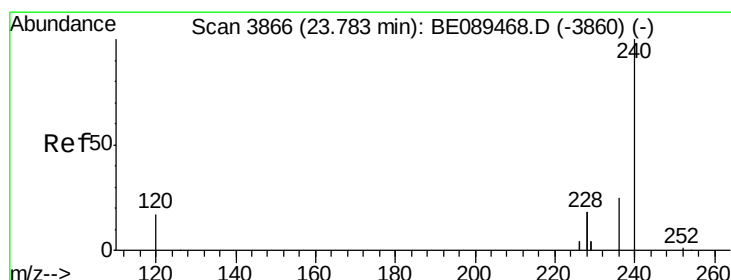
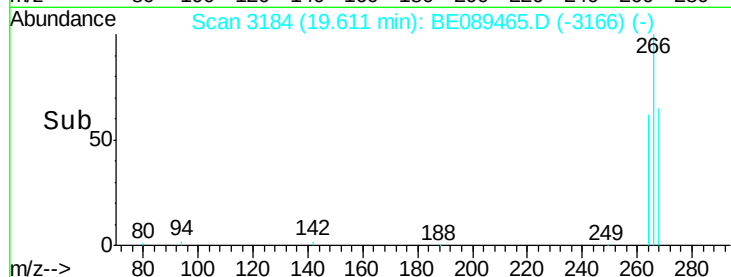
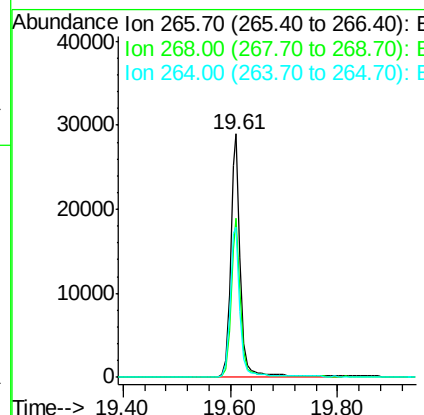
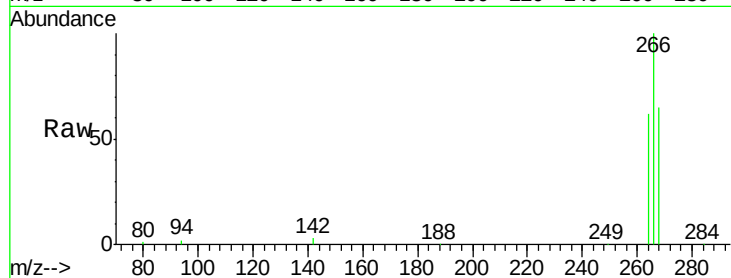




#19
 Pentachlorophenol
 Concen: 31.38 ng
 RT: 19.61 min Scan# 3184
 Delta R.T. 0.01 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

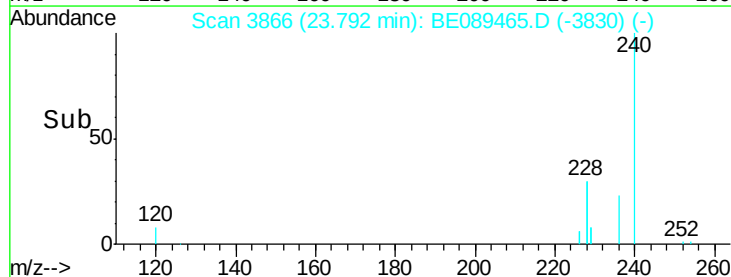
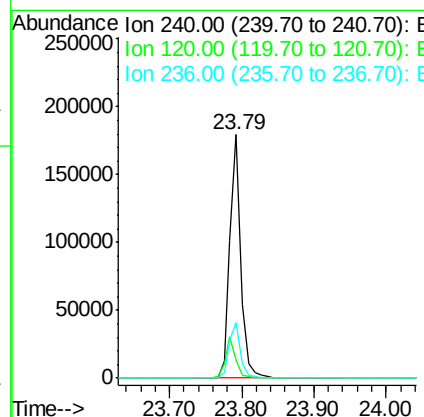
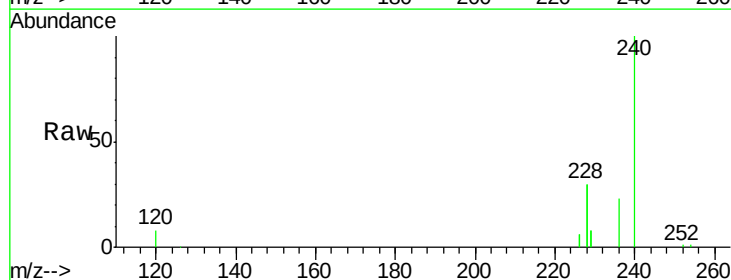
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

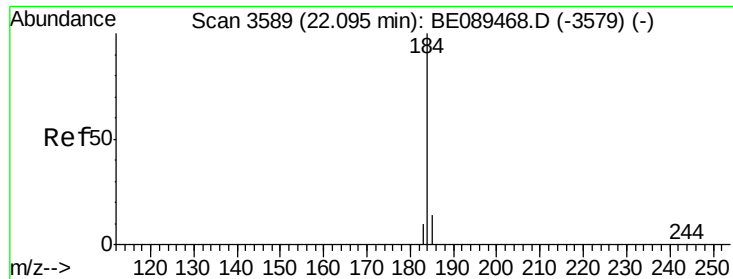
Tgt Ion: 266 Resp: 37402
 Ion Ratio Lower Upper
 266 100
 268 65.5 50.0 75.0
 264 61.7 50.6 75.8



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.79 min Scan# 3866
 Delta R.T. 0.01 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

Tgt Ion: 240 Resp: 189871
 Ion Ratio Lower Upper
 240 100
 120 7.6 13.8 20.6#
 236 22.8 20.2 30.2





#21

Benzidine

Concen: 7.01 ng

RT: 22.10 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDICC010

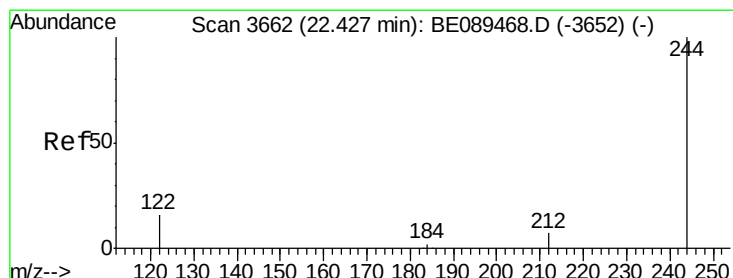
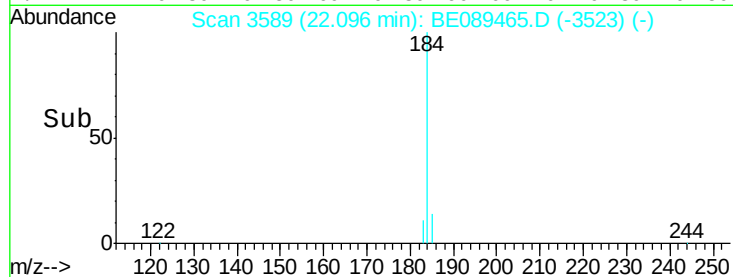
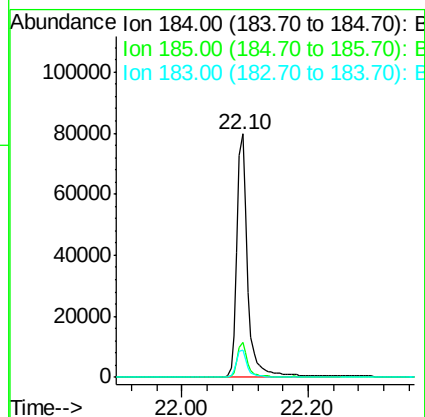
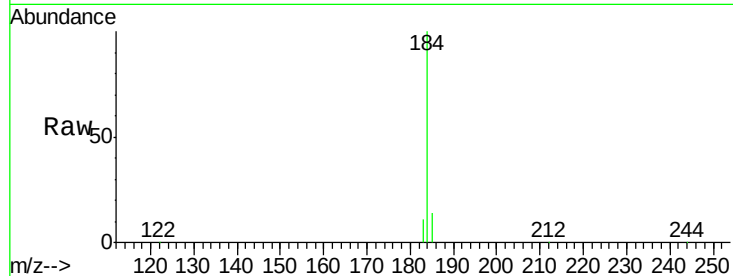
Tgt Ion:184 Resp: 94872

Ion Ratio Lower Upper

184 100

185 14.4 12.0 18.0

183 11.0 9.0 13.4



#22

Terphenyl-d14

Concen: 12.94 ng

RT: 22.43 min Scan# 3663

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

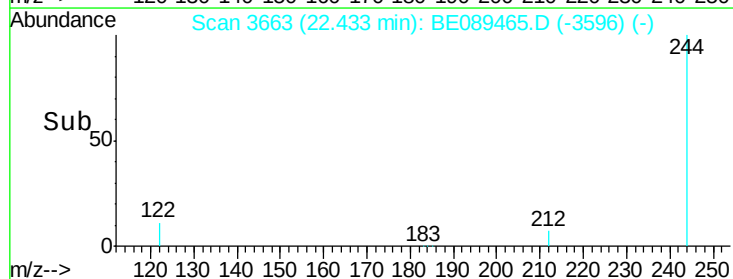
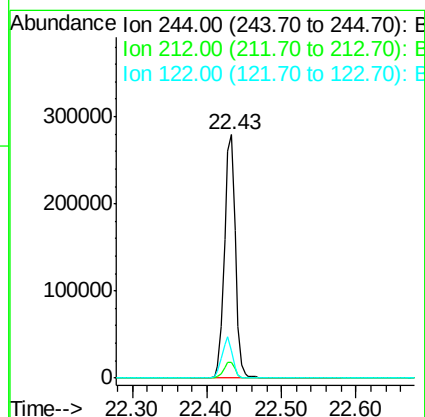
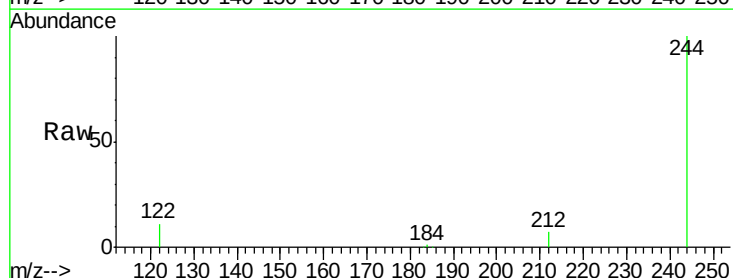
Tgt Ion:244 Resp: 283211

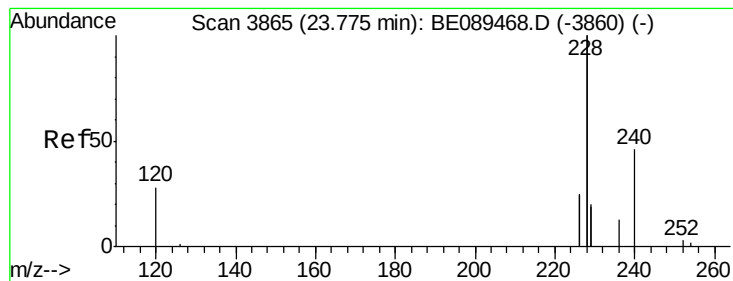
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 11.4 12.6 19.0#





#23

Benzo(a)anthracene

Concen: 11.59 ng

RT: 23.78 min Scan# 3864

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010

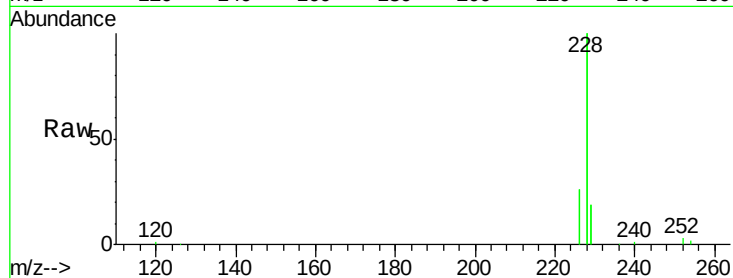
Tgt Ion:228 Resp: 1775482

Ion Ratio Lower Upper

228 100

226 26.4 19.6 29.4

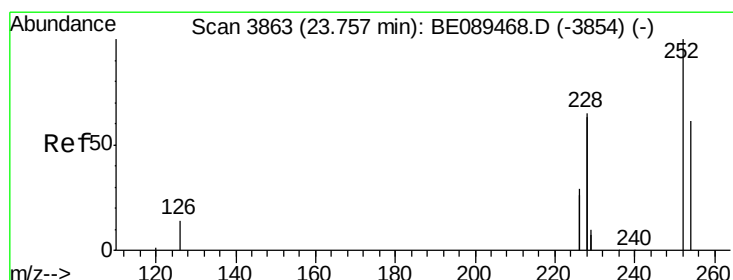
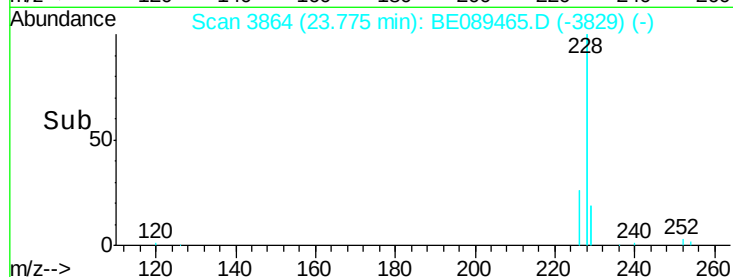
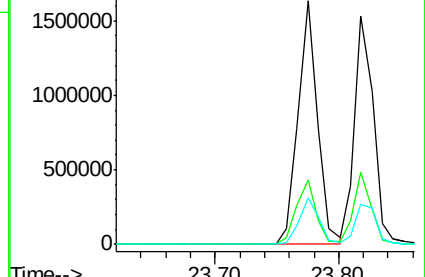
229 19.3 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 11.91 ng

RT: 23.77 min Scan# 3863

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

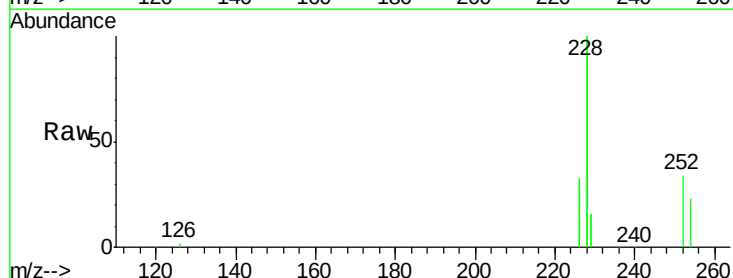
Tgt Ion:252 Resp: 160472

Ion Ratio Lower Upper

252 100

254 69.2 48.6 73.0

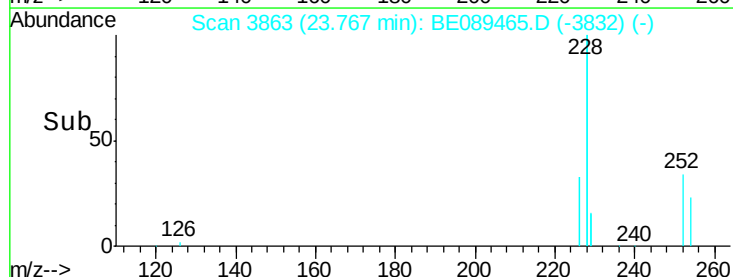
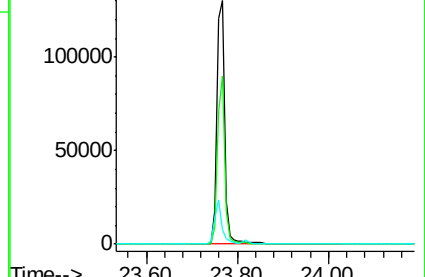
126 5.7 12.4 18.6#

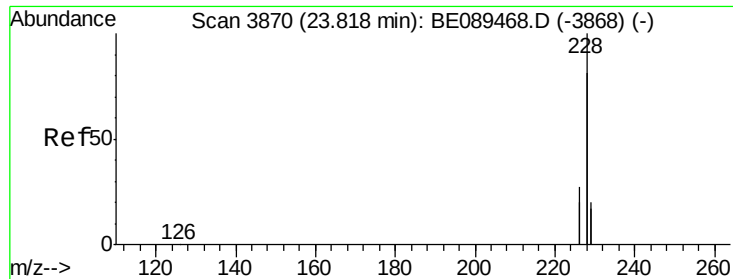


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 9.07 ng

RT: 23.82 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010

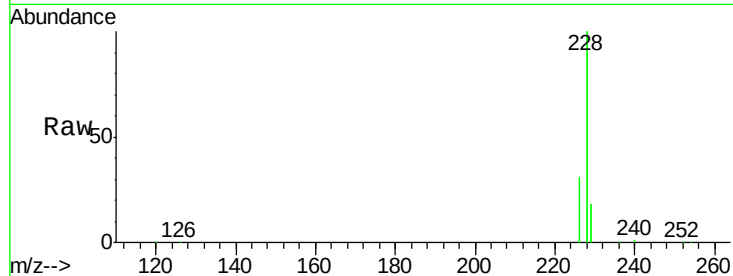
Tgt Ion:228 Resp: 1665393

Ion Ratio Lower Upper

228 100

226 31.3 21.8 32.8

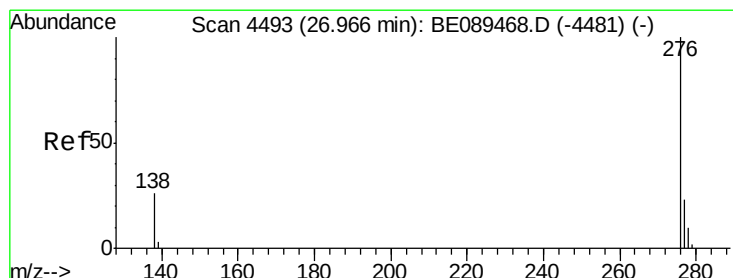
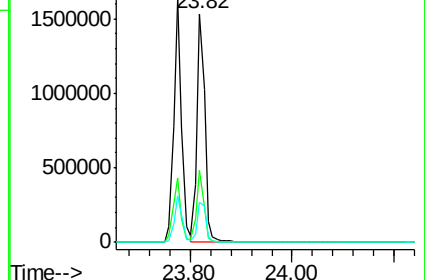
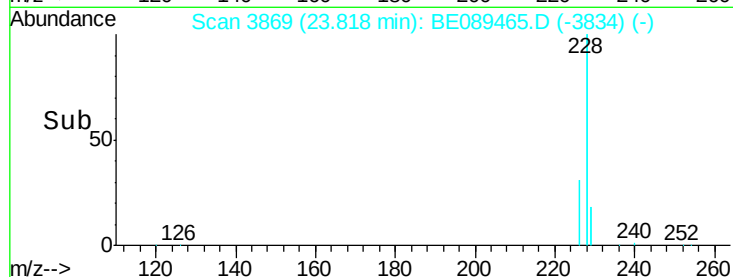
229 17.8 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 9.28 ng

RT: 26.97 min Scan# 4494

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

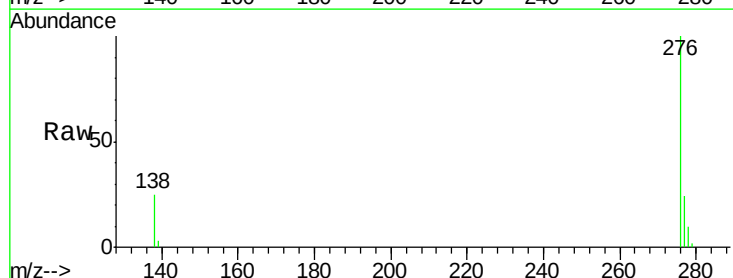
Tgt Ion:276 Resp: 498940

Ion Ratio Lower Upper

276 100

138 31.0 24.2 36.4

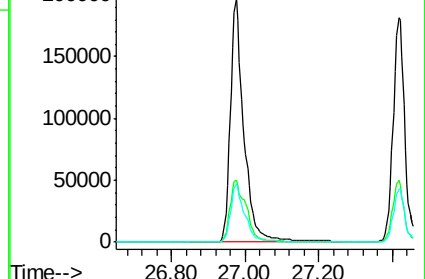
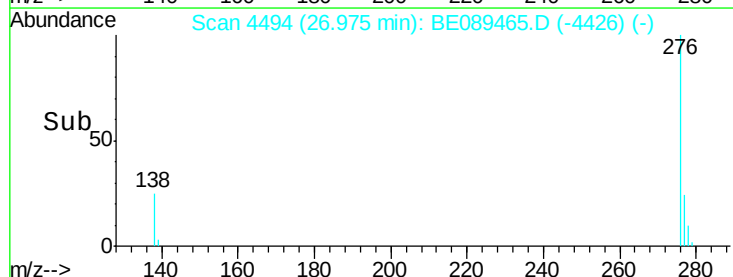
277 25.0 19.9 29.9

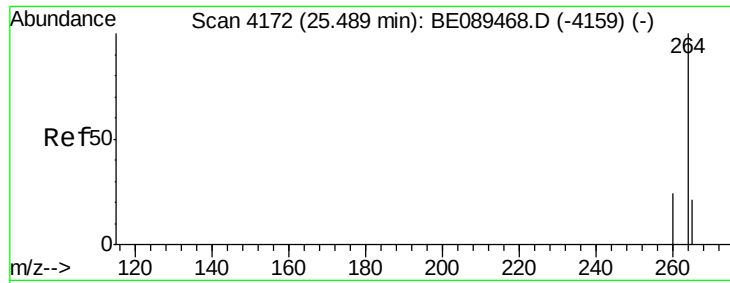


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

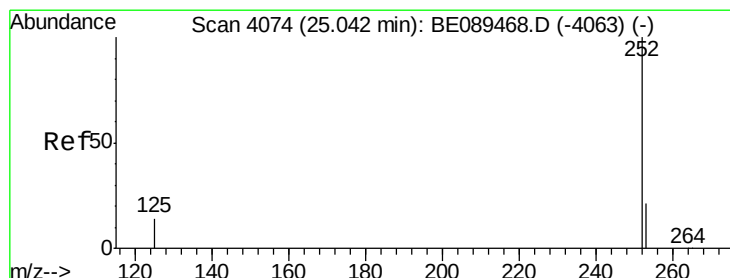
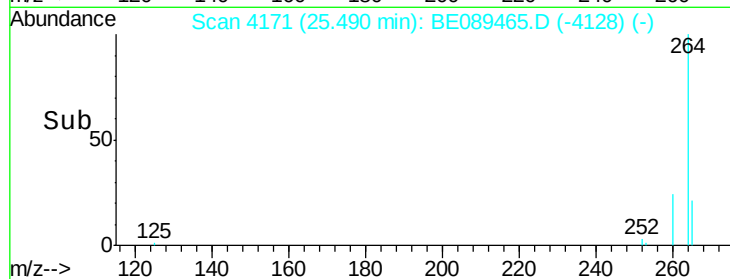
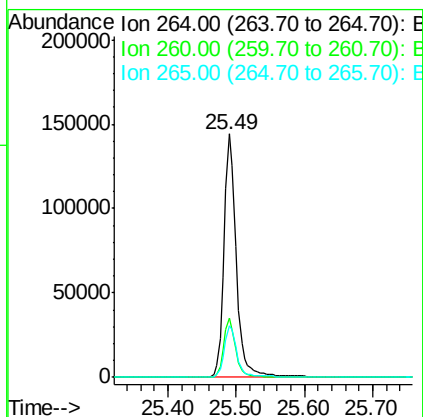
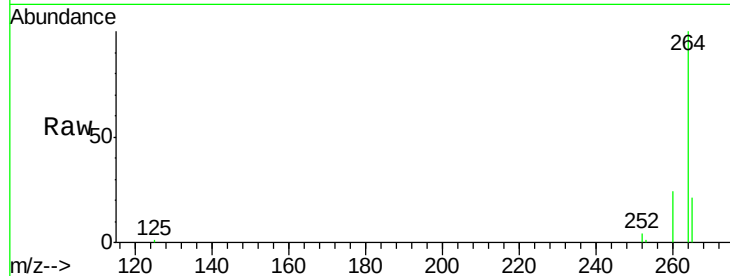




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4171
 Delta R.T. 0.00 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

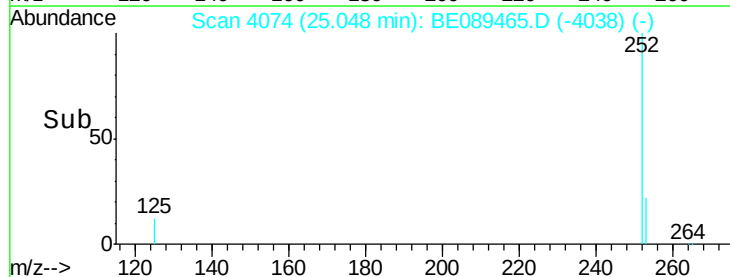
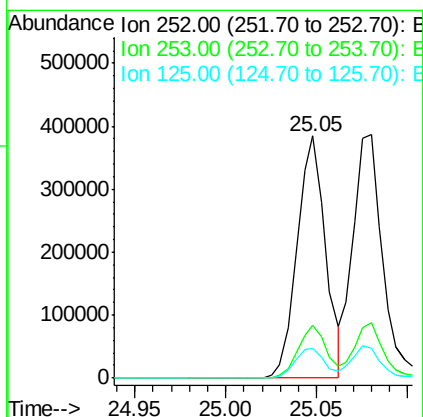
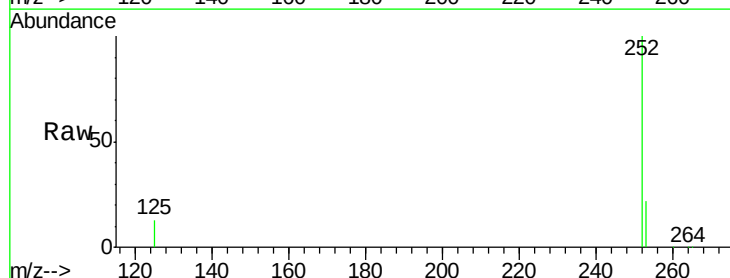
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

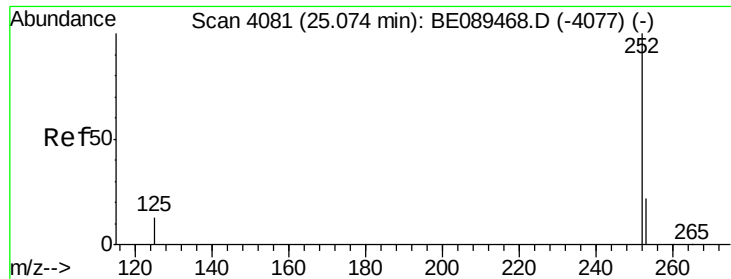
Tgt Ion: 264 Resp: 180237
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.1 28.7
 265 21.2 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 16.80 ng
 RT: 25.05 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: BE089465.D
 Acq: 3 Feb 2015 15:40

Tgt Ion: 252 Resp: 413295
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.4 26.2
 125 12.5 11.3 16.9





#29

Benzo(k)fluoranthene

Concen: 10.17 ng

RT: 25.08 min Scan# 4081

Delta R.T. 0.01 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDICC010

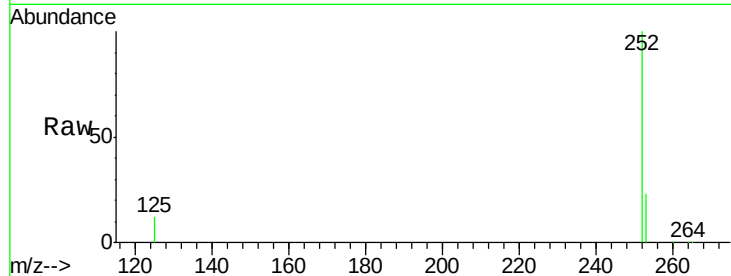
Tgt Ion:252 Resp: 459952

Ion Ratio Lower Upper

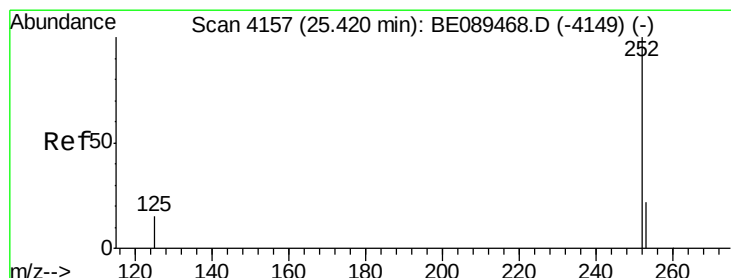
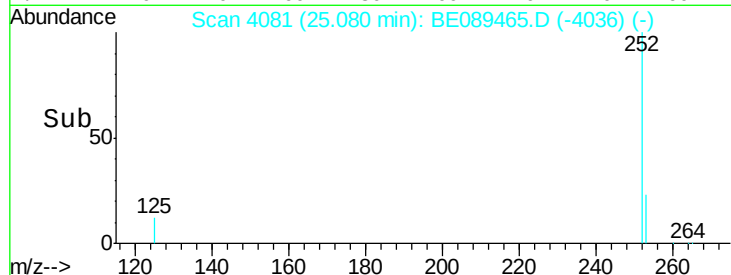
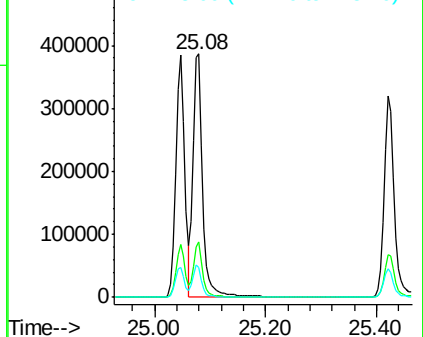
252 100

253 22.7 17.9 26.9

125 12.2 10.6 15.8



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



#30

Benzo(a)pyrene

Concen: 14.76 ng

RT: 25.42 min Scan# 4156

Delta R.T. 0.00 min

Lab File: BE089465.D

Acq: 3 Feb 2015 15:40

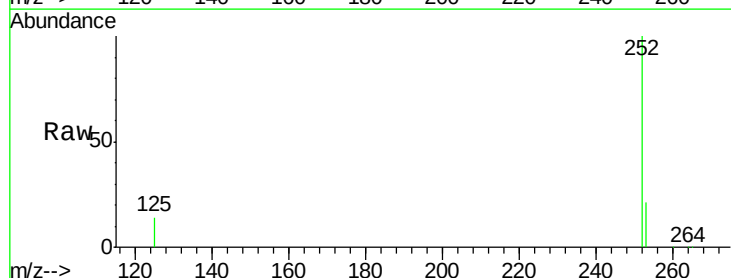
Tgt Ion:252 Resp: 407183

Ion Ratio Lower Upper

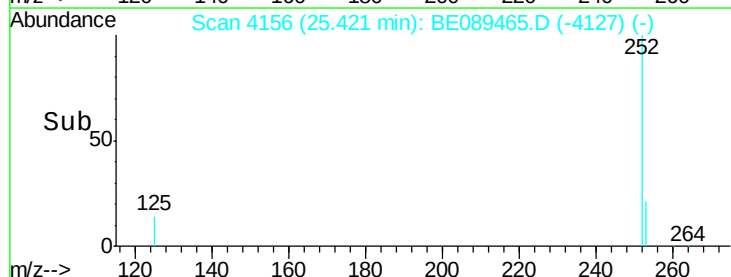
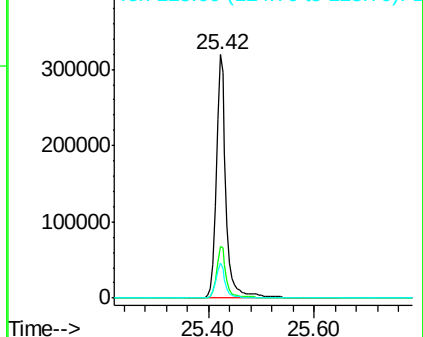
252 100

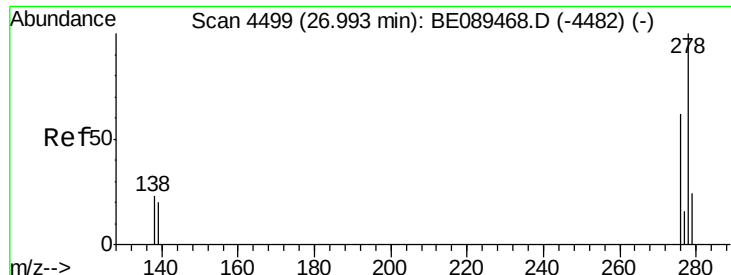
253 21.1 18.2 27.2

125 14.3 12.2 18.4



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





#31

Dibenzo(a,h)anthracene

Concen: 12.95 ng

RT: 27.00 min Scan# 4500

Delta R.T. 0.01 min

Lab File: BE089465.D

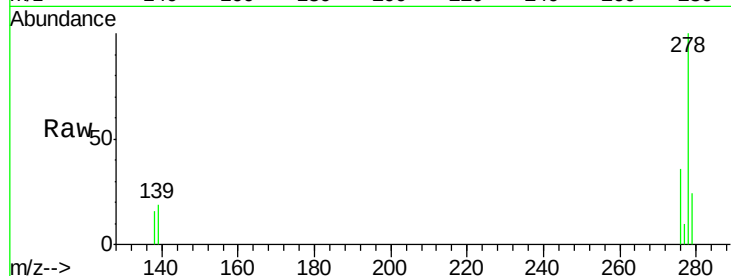
Acq: 3 Feb 2015 15:40

Instrument :

BNA_E

LabSampleId :

SSTDIC010



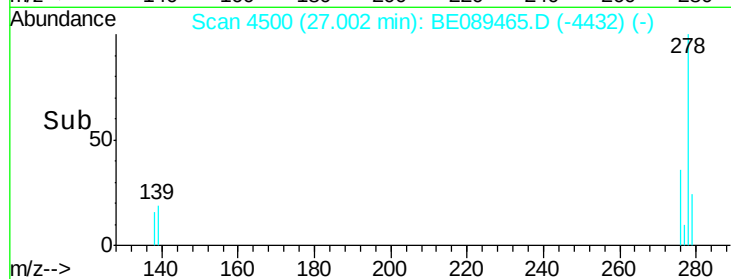
Tgt Ion: 278 Resp: 428190

Ion Ratio Lower Upper

278 100

139 19.2 16.8 25.2

279 23.6 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

