

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BE089469.D
 Acq On : 3 Feb 2015 18:16
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 04 00:32:01 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	61228	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	241221	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	104243	5.00	ng	0.00
17) Phenanthrene-d10	19.93	188	199906	5.00	ng	0.00
20) Chrysene-d12	23.78	240	198959	5.00	ng	0.00
27) Perylene-d12	25.49	264	187095	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.72	112	15187	0.74	ng	0.00
4) Phenol-d6	8.84	99	19311	0.80	ng	0.00
8) Nitrobenzene-d5	10.79	82	14009	0.80	ng	0.00
14) 2,4,6-Tribromophenol	18.51	330	2573	0.94	ng	0.00
15) 2-Fluorobiphenyl	15.06	172	21113	0.73	ng	0.00
22) Terphenyl-d14	22.43	244	21972	0.96	ng	0.00

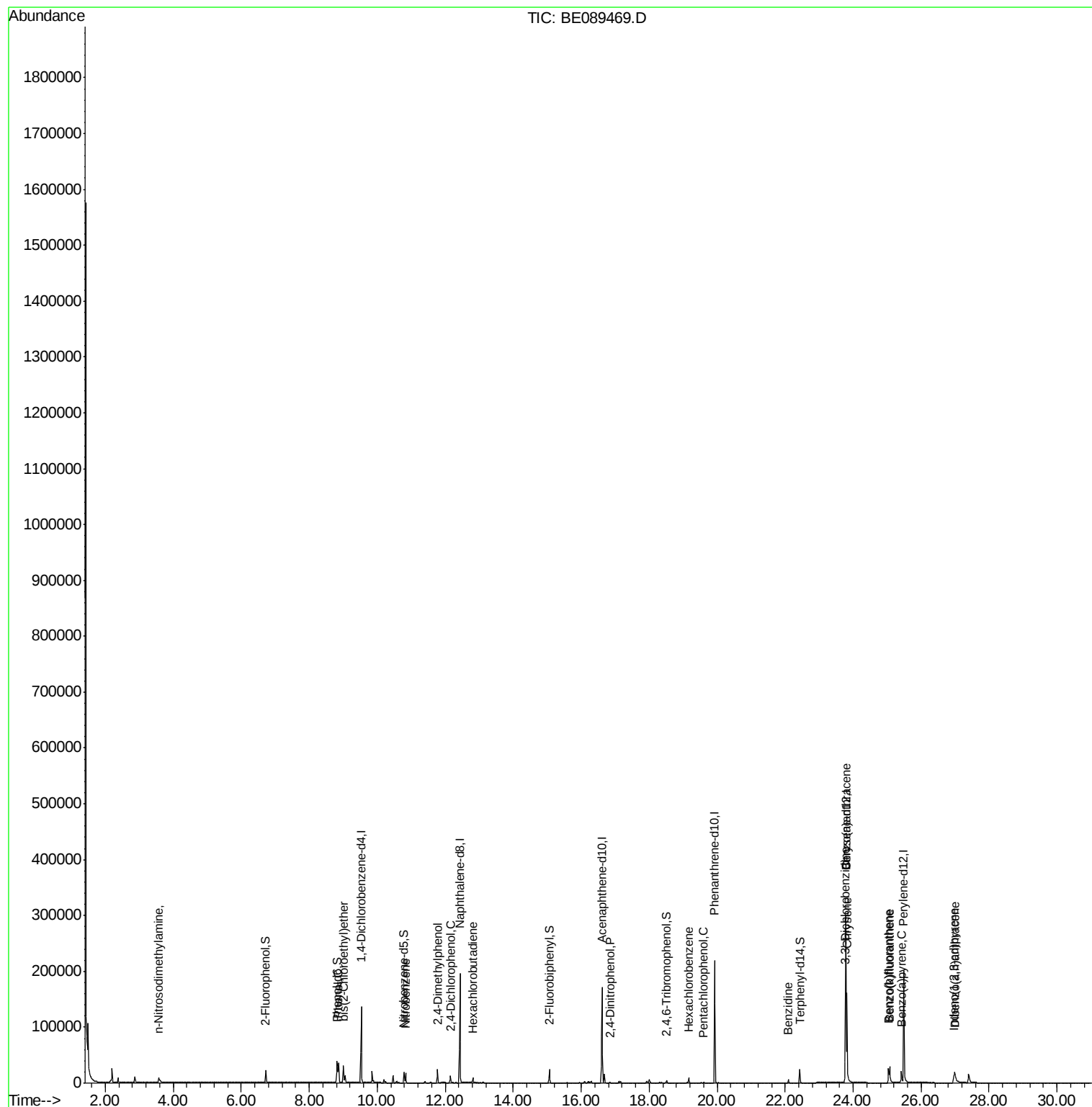
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.57	42	8361	0.85	ng	# 64
5) Phenol	8.86	94	18830	0.73	ng	# 60
6) bis(2-Chloroethyl)ether	9.01	93	15191	0.81	ng	# 99
9) Nitrobenzene	10.83	77	16107	0.81	ng	100
10) 2,4-Dimethylphenol	11.77	122	11714	0.82	ng	98
11) 2,4-Dichlorophenol	12.15	162	8413	0.78	ng	98
12) Hexachlorobutadiene	12.81	225	5741	0.76	ng	99
16) 2,4-Dinitrophenol	16.84	184	251	0.40	ng	90
18) Hexachlorobenzene	19.17	284	7974	0.76	ng	99
19) Pentachlorophenol	19.60	266	798	0.65	ng	# 88
21) Benzidine	22.09	184	6851	0.48	ng	97
23) Benzo(a)anthracene	23.78	228	131926	0.82	ng	100
24) 3,3'-Dichlorobenzidine	23.76	252	10667	0.76	ng	98
25) Chrysene	23.82	228	147770	0.77	ng	99
26) Indeno(1,2,3-cd)pyrene	26.97	276	31785	0.56	ng	97
28) Benzo(b)fluoranthene	25.04	252	23003	0.90	ng	100
29) Benzo(k)fluoranthene	25.07	252	40997	0.87	ng	99
30) Benzo(a)pyrene	25.42	252	24206	0.85	ng	100
31) Dibenzo(a,h)anthracene	26.99	278	26545	0.77	ng	100

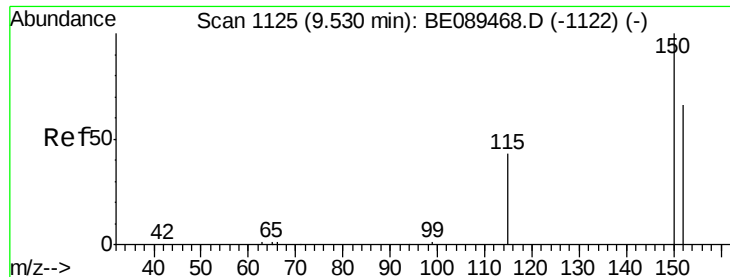
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

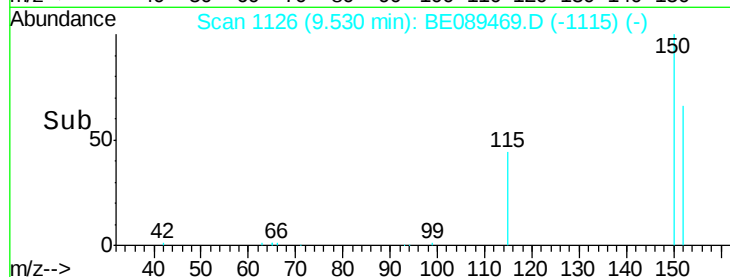
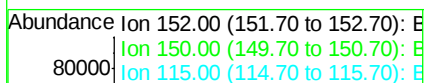
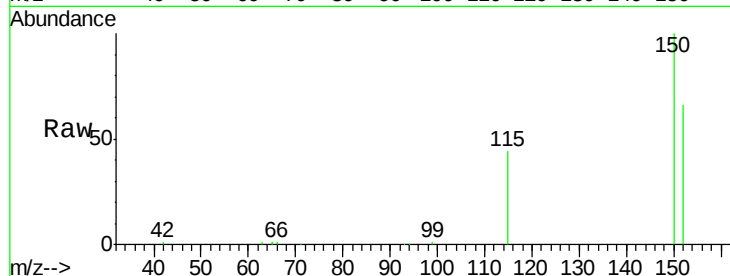
Tgt Ion:152 Resp: 61228

Ion Ratio Lower Upper

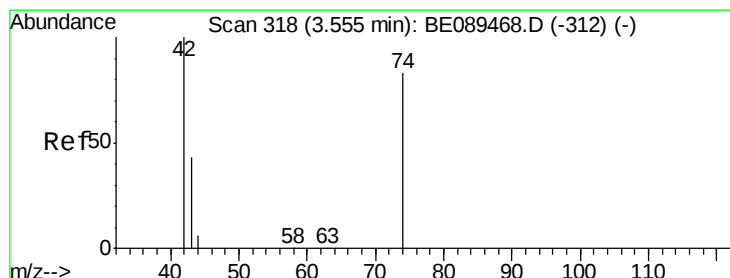
152 100

150 151.1 122.1 183.1

115 65.9 53.2 79.8



Time-->



#2

n-Nitrosodimethylamine

Concen: 0.85 ng

RT: 3.57 min Scan# 320

Delta R.T. 0.01 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

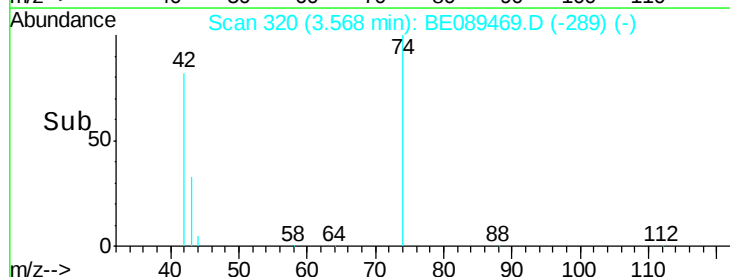
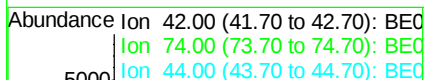
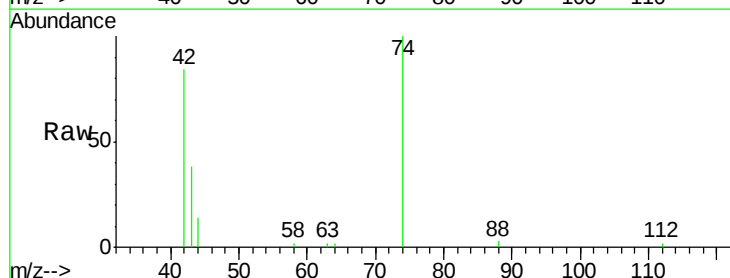
Tgt Ion: 42 Resp: 8361

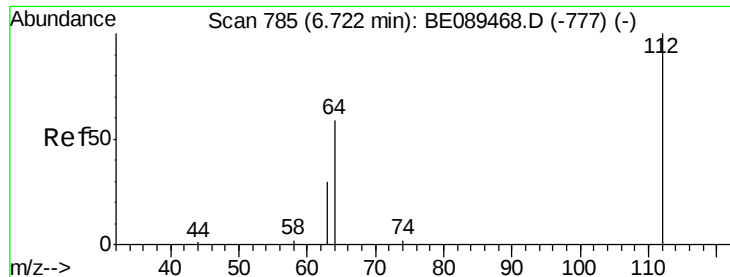
Ion Ratio Lower Upper

42 100

74 119.0 65.4 98.2#

44 16.2 11.7 17.5





#3

2-Fluorophenol

Concen: 0.74 ng

RT: 6.72 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

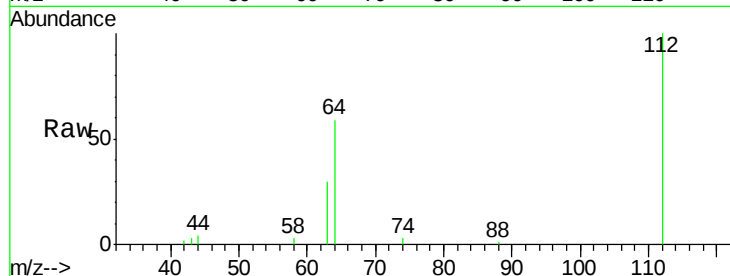
Tgt Ion: 112 Resp: 15187

Ion Ratio Lower Upper

112 100

64 59.4 47.0 70.6

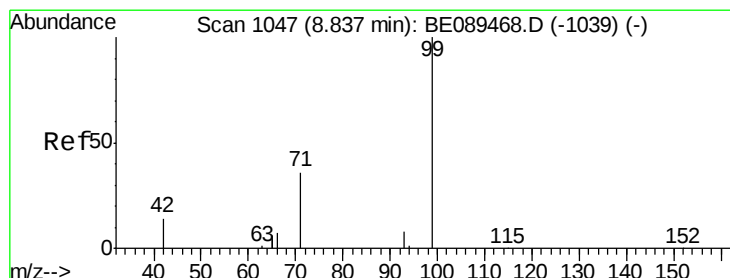
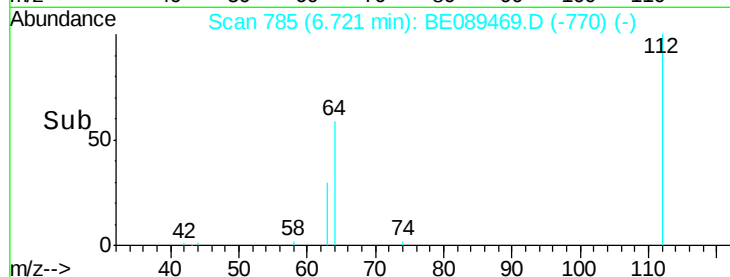
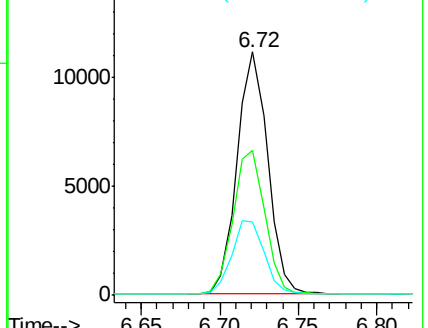
63 30.2 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): BE089468.D (-777) (-)

Ion 64.00 (63.70 to 64.70): BE089468.D (-777) (-)

Ion 63.00 (62.70 to 63.70): BE089468.D (-777) (-)



#4

Phenol-d6

Concen: 0.80 ng

RT: 8.84 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

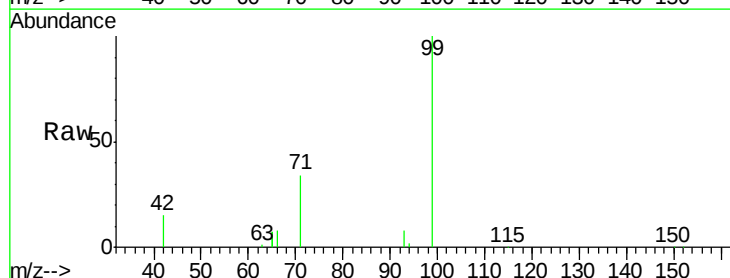
Tgt Ion: 99 Resp: 19311

Ion Ratio Lower Upper

99 100

42 14.5 11.8 17.6

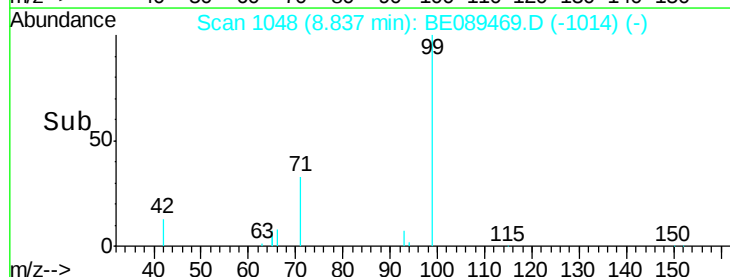
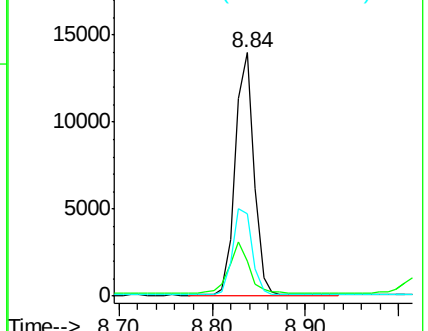
71 33.8 28.7 43.1

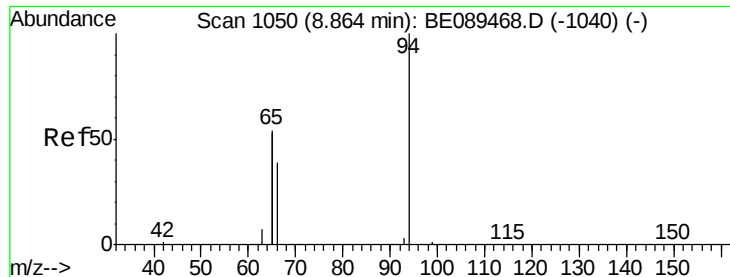


Abundance Ion 99.00 (98.70 to 99.70): BE089468.D (-1039) (-)

Ion 42.00 (41.70 to 42.70): BE089468.D (-1039) (-)

Ion 71.00 (70.70 to 71.70): BE089468.D (-1039) (-)





#5

Phenol

Concen: 0.73 ng

RT: 8.86 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

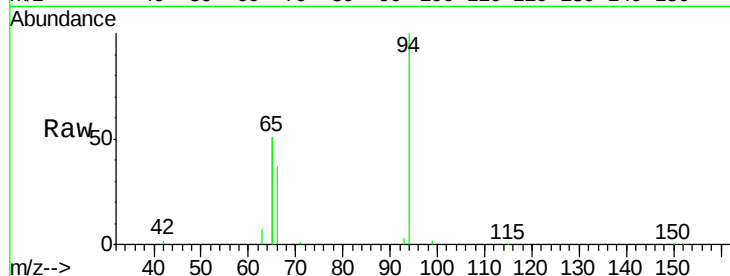
Tgt Ion: 94 Resp: 18830

Ion Ratio Lower Upper

94 100

65 101.3 33.9 73.9#

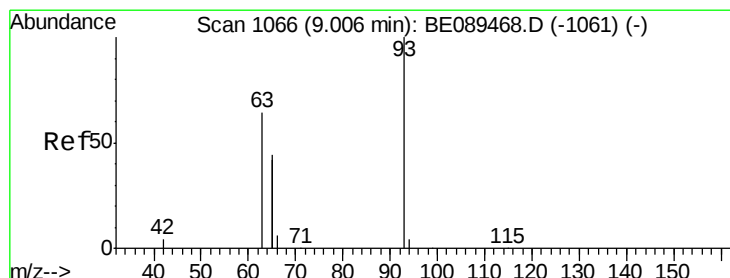
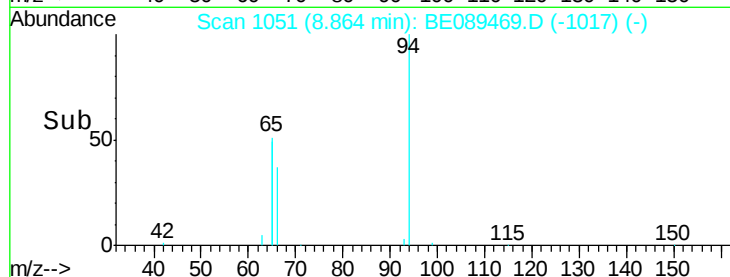
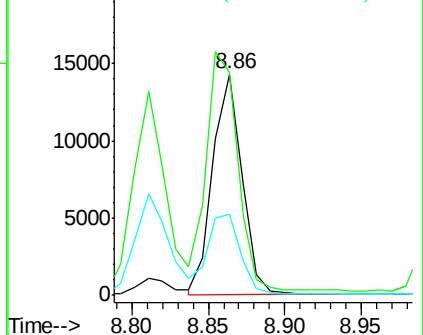
66 37.0 19.1 59.1



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: 0.81 ng

RT: 9.01 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

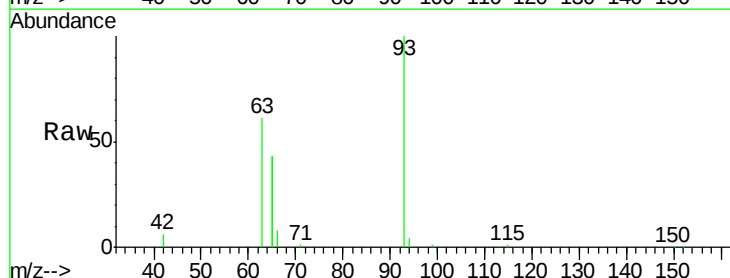
Tgt Ion: 93 Resp: 15191

Ion Ratio Lower Upper

93 100

63 70.5 57.0 85.6

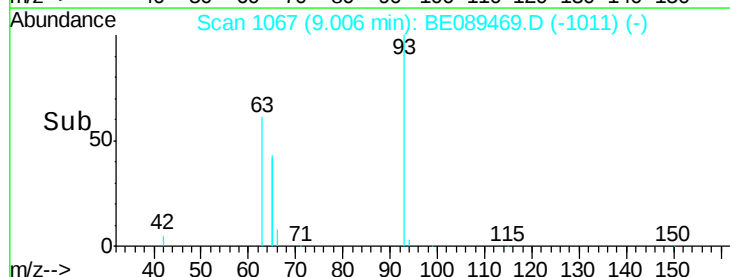
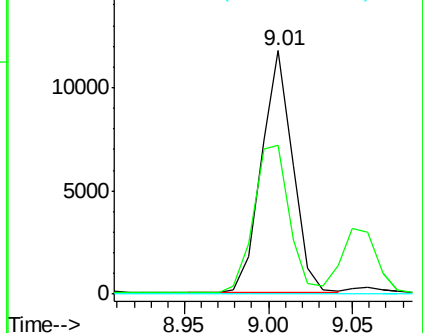
95 0.0 0.0 0.0

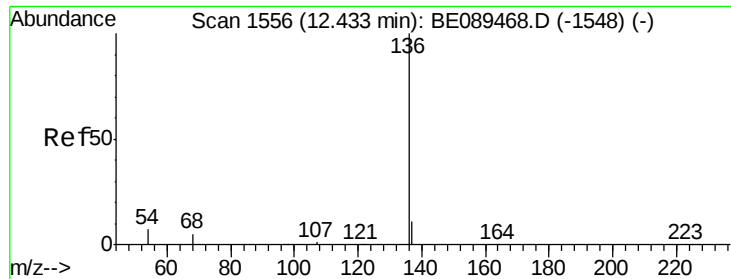


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 12.43 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

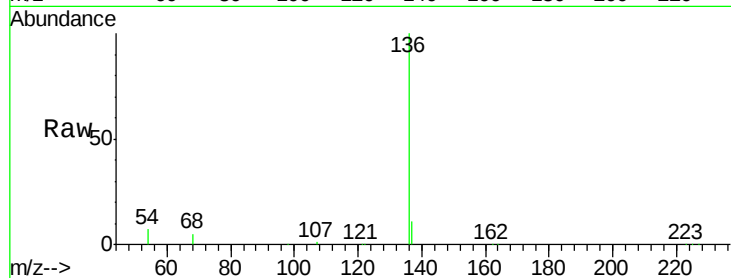
Tgt Ion: 136 Resp: 241221

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 6.9 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

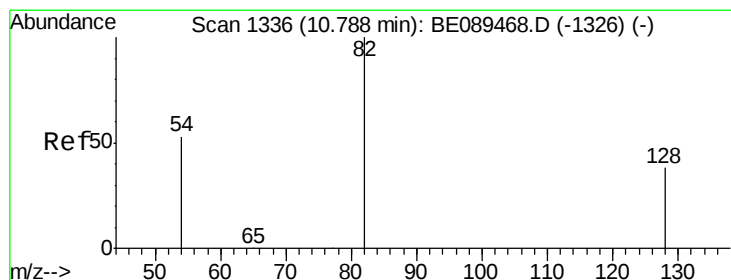
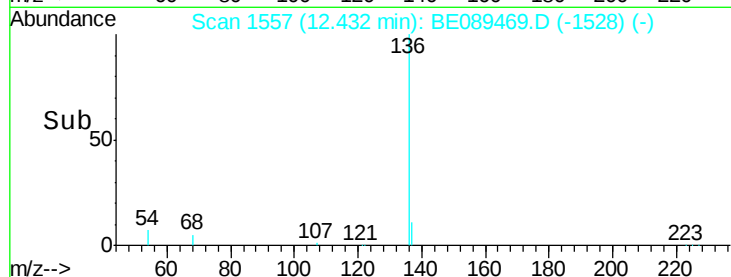
0

12.43

12.40

12.60

Time-->



#8

Nitrobenzene-d5

Concen: 0.80 ng

RT: 10.79 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

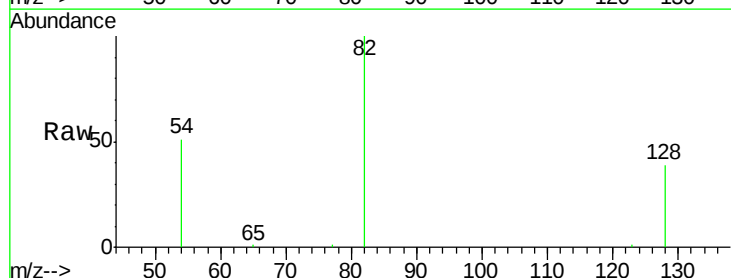
Tgt Ion: 82 Resp: 14009

Ion Ratio Lower Upper

82 100

128 38.6 30.3 45.5

54 50.7 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

10000

5000

0

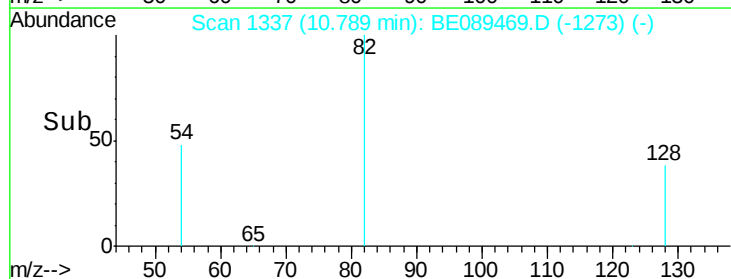
10.79

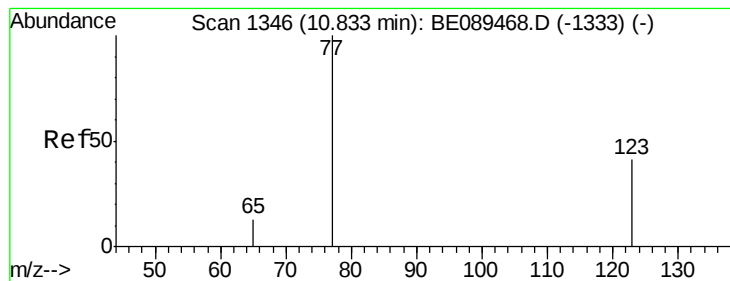
10.75

10.80

10.85

Time-->





#9

Nitrobenzene

Concen: 0.81 ng

RT: 10.83 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

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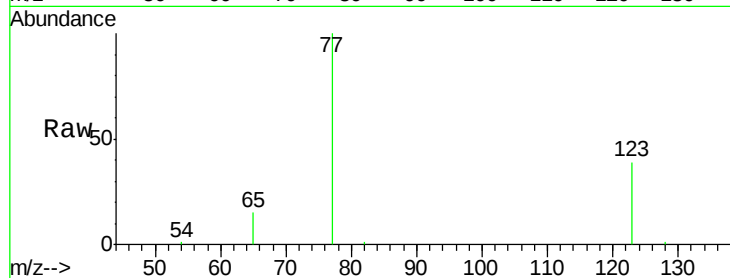
Tgt Ion: 77 Resp: 16107

Ion Ratio Lower Upper

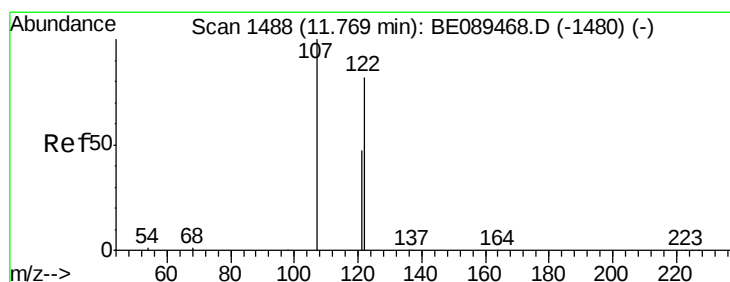
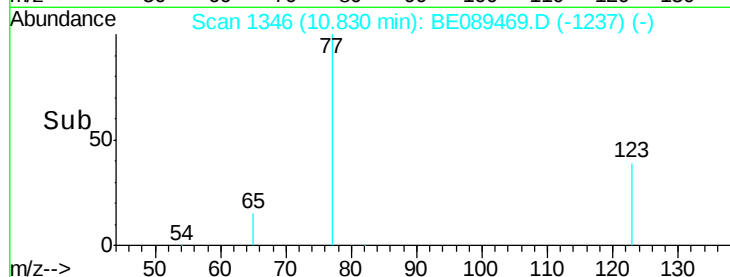
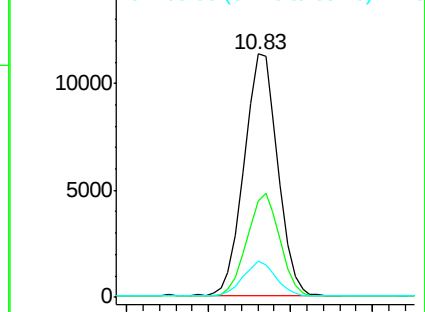
77 100

123 41.5 33.4 50.0

65 13.6 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: 0.82 ng

RT: 11.77 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

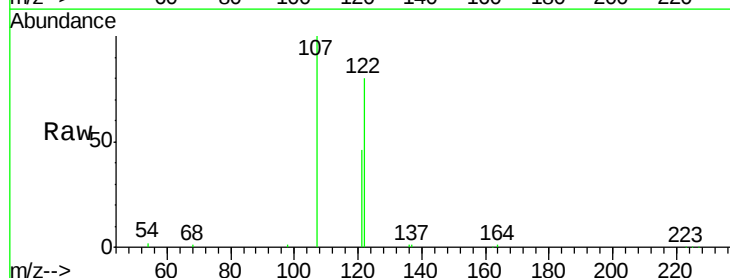
Tgt Ion: 122 Resp: 11714

Ion Ratio Lower Upper

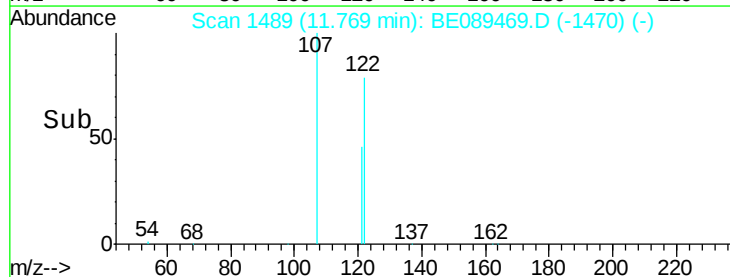
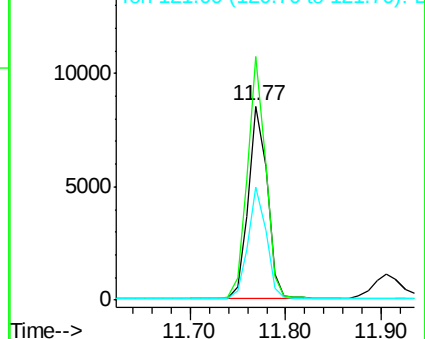
122 100

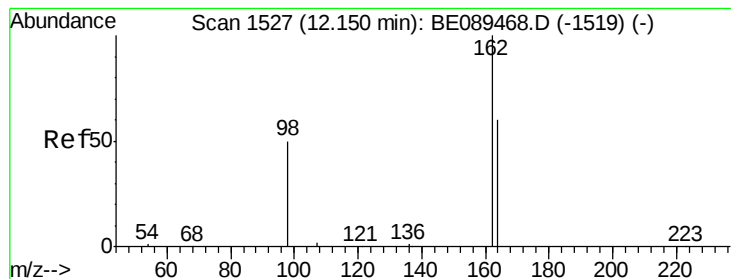
107 125.4 97.3 145.9

121 58.3 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: 0.78 ng

RT: 12.15 min Scan# 1528

Delta R.T. -0.00 min

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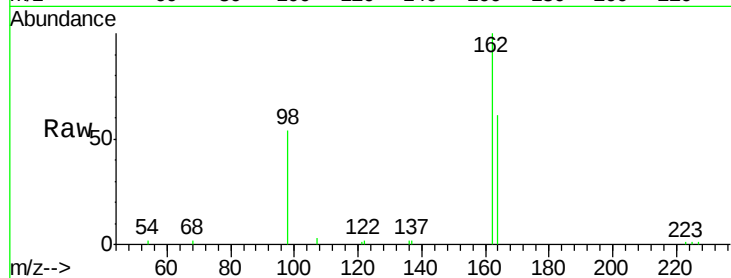
Tgt Ion:162 Resp: 8413

Ion Ratio Lower Upper

162 100

164 60.7 39.9 79.9

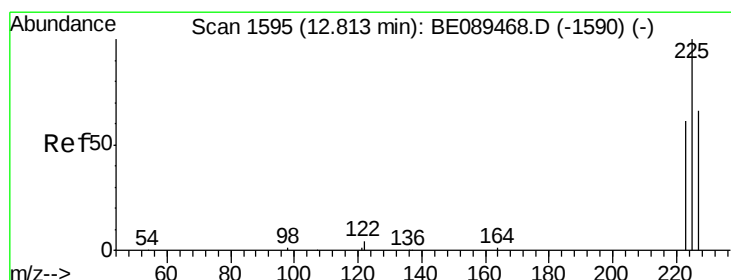
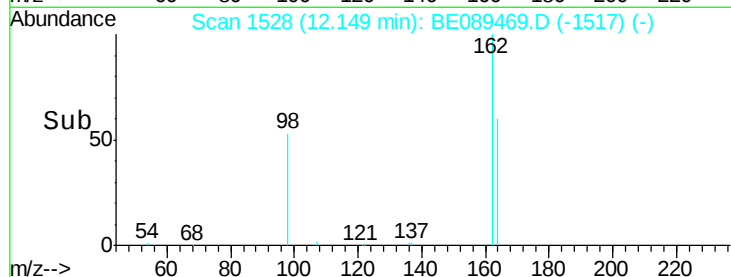
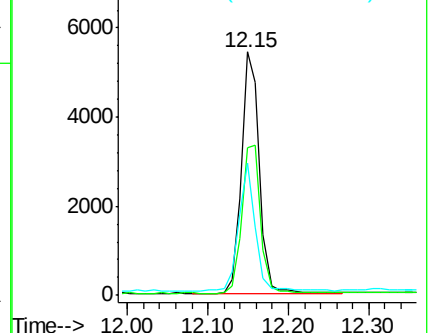
98 54.2 31.3 71.3



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: 0.76 ng

RT: 12.81 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

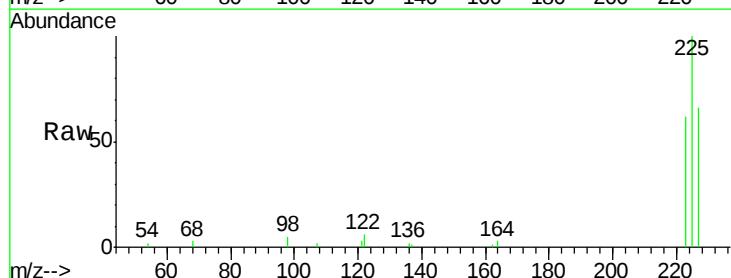
Tgt Ion:225 Resp: 5741

Ion Ratio Lower Upper

225 100

223 62.4 49.4 74.0

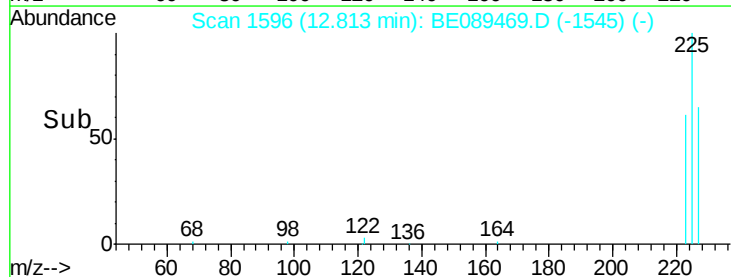
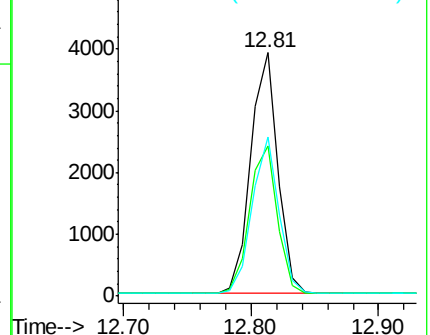
227 63.5 51.2 76.8

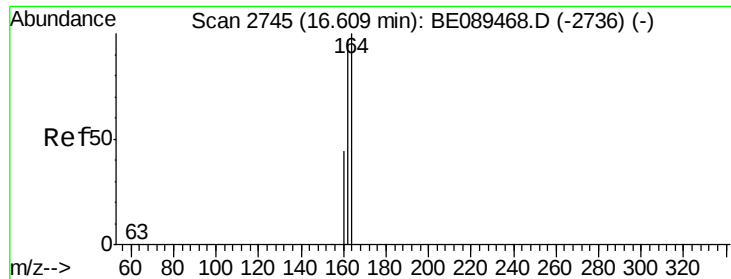


Abundance Ion 225.00 (224.70 to 225.70): E

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: 16.61 min Scan# 2746

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

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SSTDIC0.8

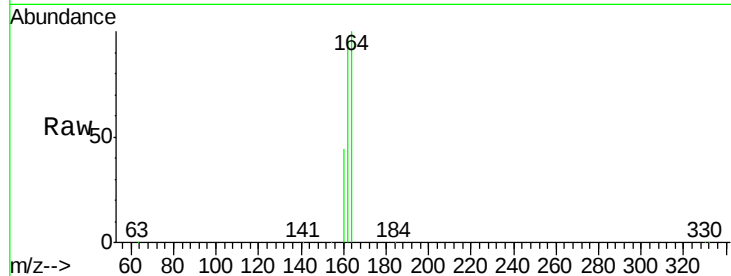
Tgt Ion:164 Resp: 104243

Ion Ratio Lower Upper

164 100

162 95.6 77.6 116.4

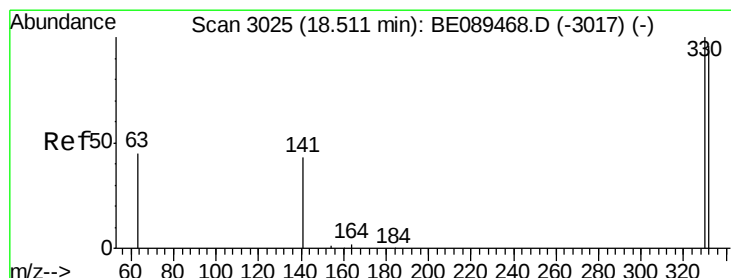
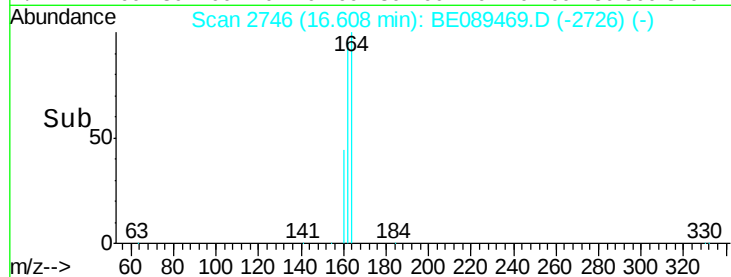
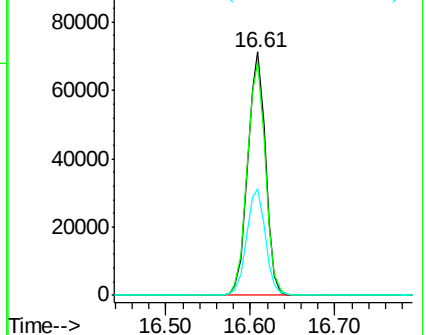
160 43.8 35.6 53.4



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: 0.94 ng

RT: 18.51 min Scan# 3026

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

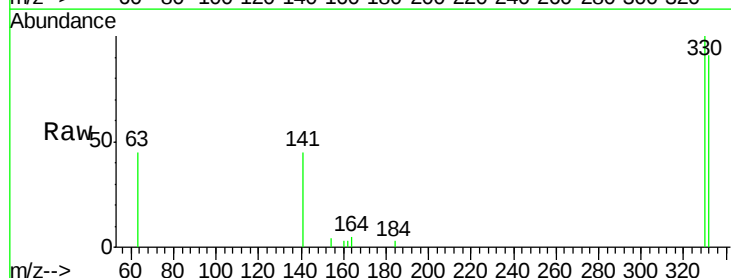
Tgt Ion:330 Resp: 2573

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

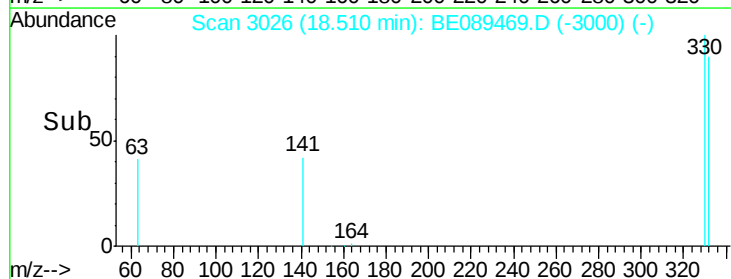
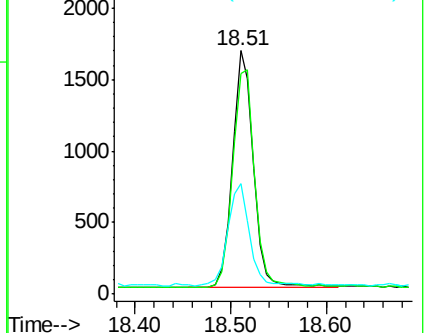
141 43.3 33.8 50.6

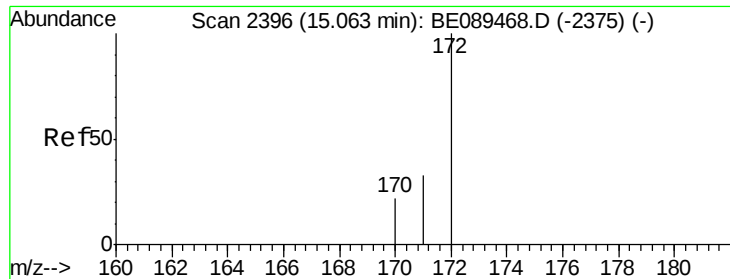


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

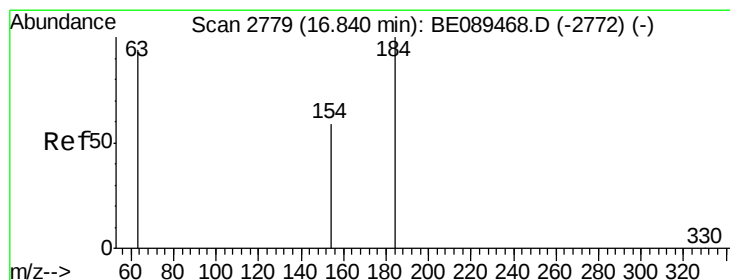
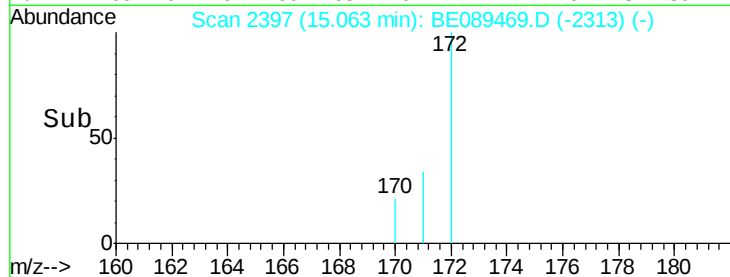
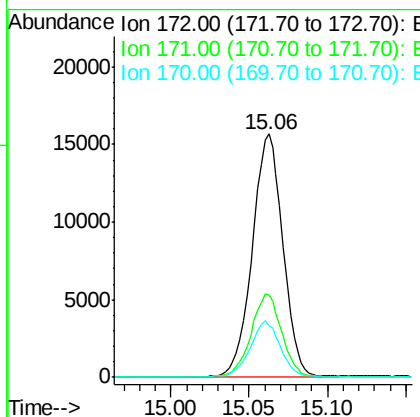
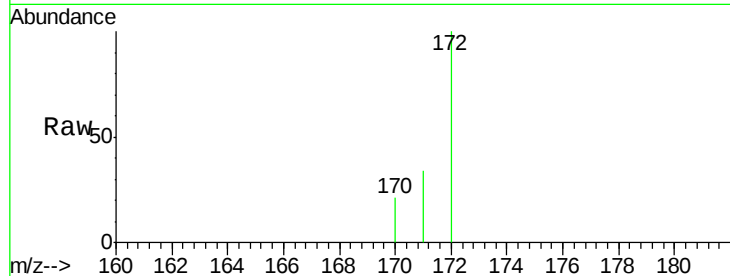




#15
2-Fluorobiphenyl
Concen: 0.73 ng
RT: 15.06 min Scan# 2397
Delta R.T. -0.00 min
Lab File: BE089469.D
Acq: 3 Feb 2015 18:16

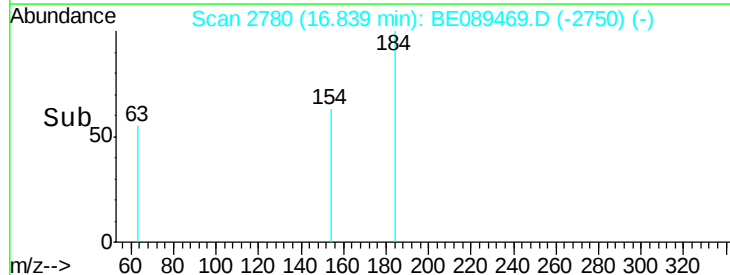
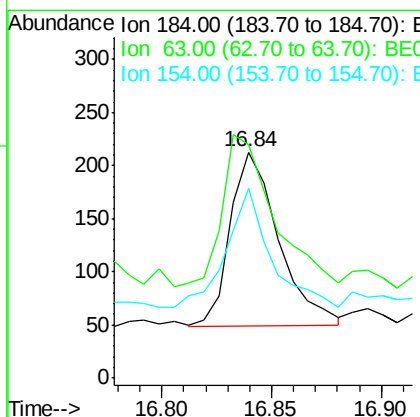
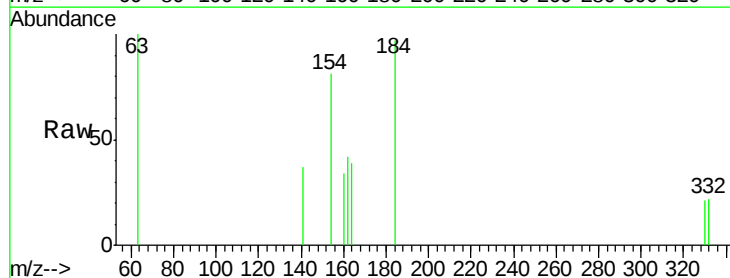
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

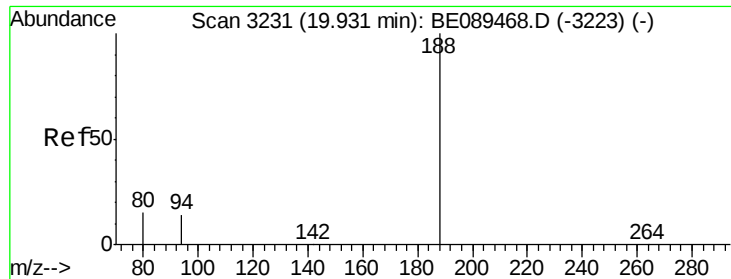
Tgt Ion:172 Resp: 21113
Ion Ratio Lower Upper
172 100
171 34.0 26.8 40.2
170 21.3 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 0.40 ng
RT: 16.84 min Scan# 2780
Delta R.T. -0.00 min
Lab File: BE089469.D
Acq: 3 Feb 2015 18:16

Tgt Ion:184 Resp: 251
Ion Ratio Lower Upper
184 100
63 103.3 92.1 138.1
154 84.0 61.4 92.2





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.93 min Scan# 3232

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

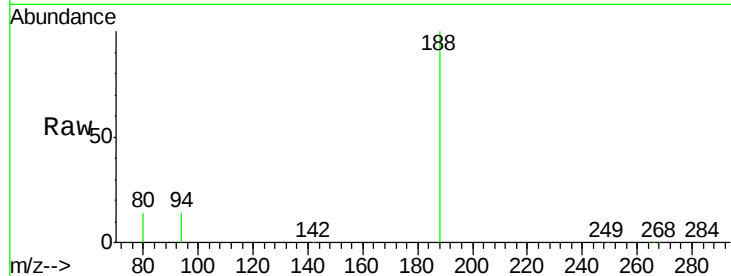
Tgt Ion:188 Resp: 199906

Ion Ratio Lower Upper

188 100

94 13.7 11.1 16.7

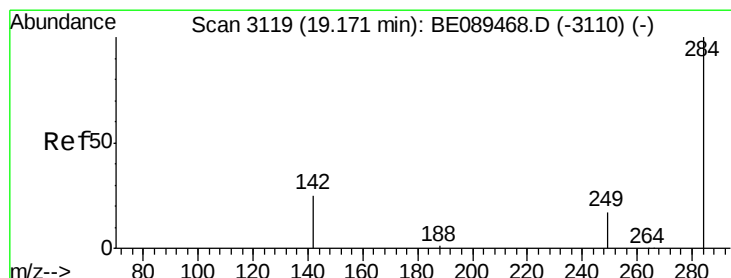
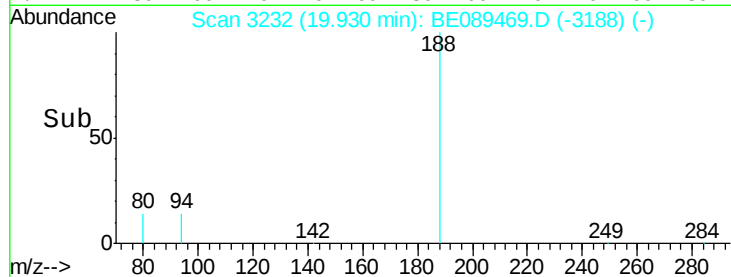
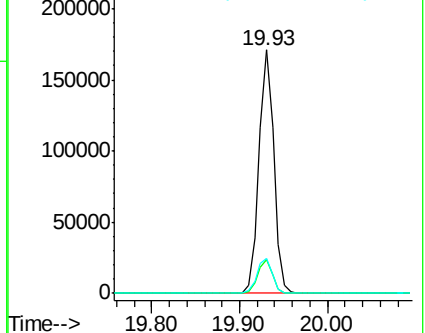
80 14.5 11.8 17.6



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: 0.76 ng

RT: 19.17 min Scan# 3120

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

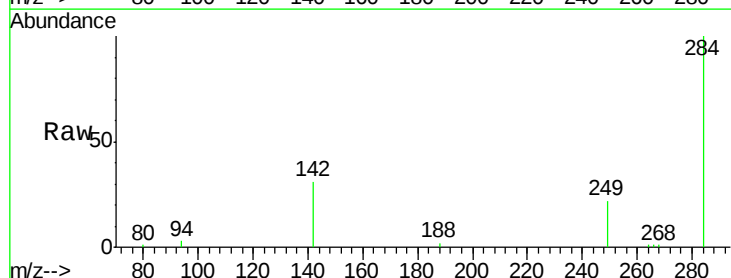
Tgt Ion:284 Resp: 7974

Ion Ratio Lower Upper

284 100

142 30.5 24.4 36.6

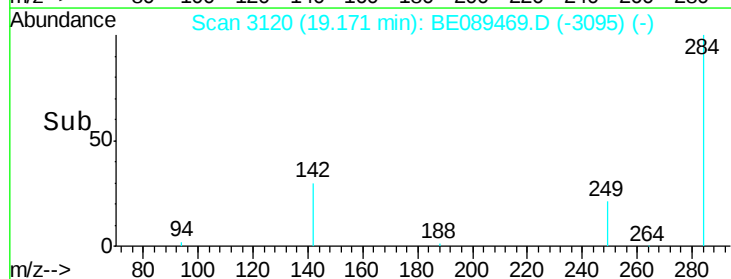
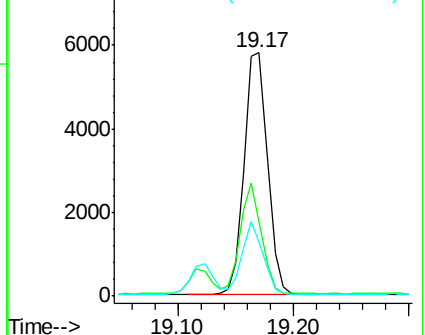
249 22.1 18.2 27.2

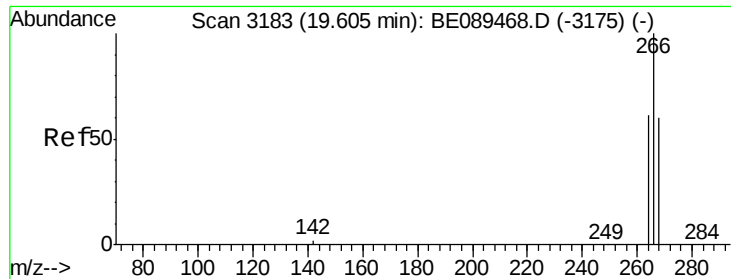


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

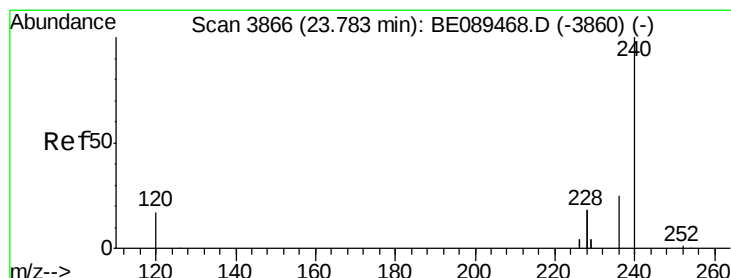
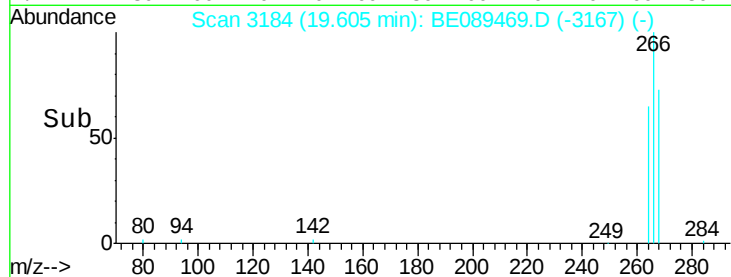
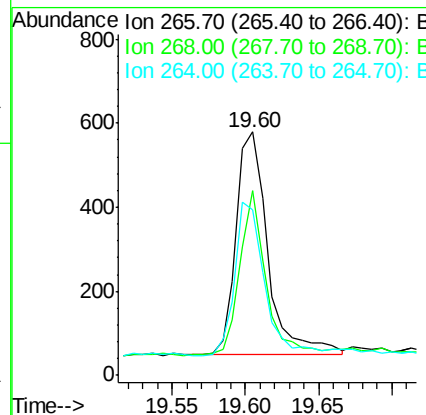
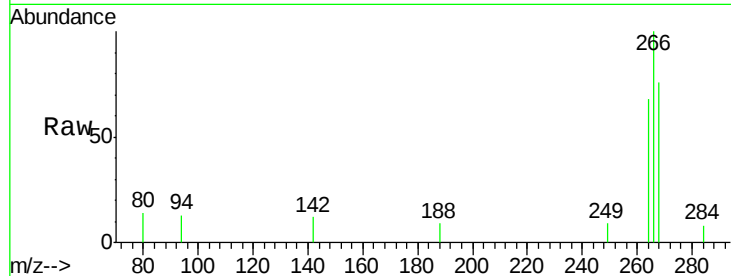




#19
 Pentachlorophenol
 Concen: 0.65 ng
 RT: 19.60 min Scan# 3184
 Delta R.T. -0.00 min
 Lab File: BE089469.D
 Acq: 3 Feb 2015 18:16

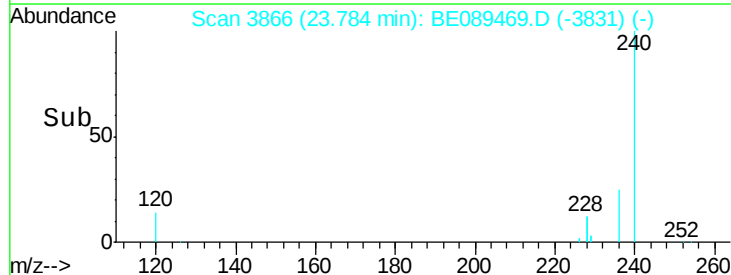
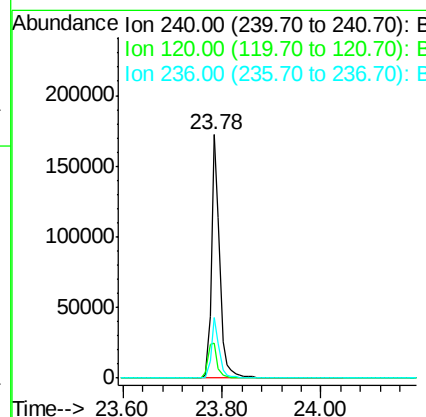
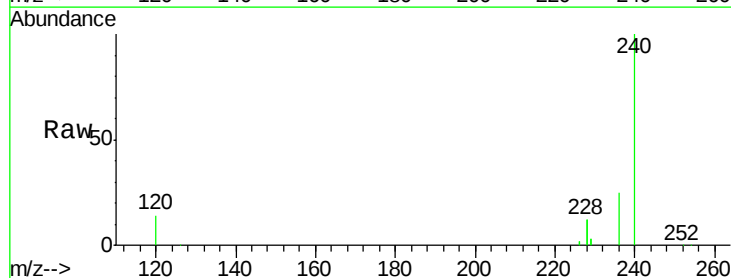
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

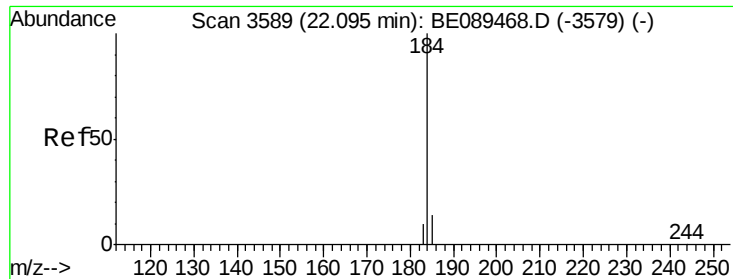
Tgt Ion:266 Resp: 798
 Ion Ratio Lower Upper
 266 100
 268 76.2 50.0 75.0#
 264 67.9 50.6 75.8



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.78 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: BE089469.D
 Acq: 3 Feb 2015 18:16

Tgt Ion:240 Resp: 198959
 Ion Ratio Lower Upper
 240 100
 120 14.3 13.8 20.6
 236 24.8 20.2 30.2





#21

Benzidine

Concen: 0.48 ng

RT: 22.09 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

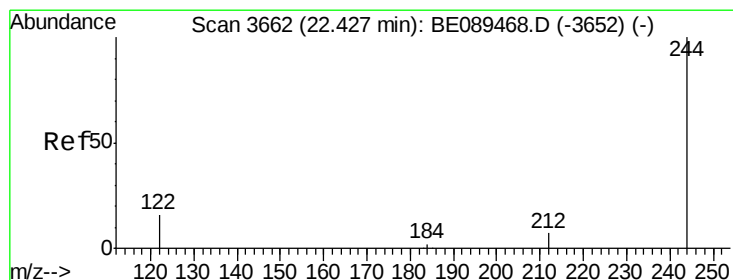
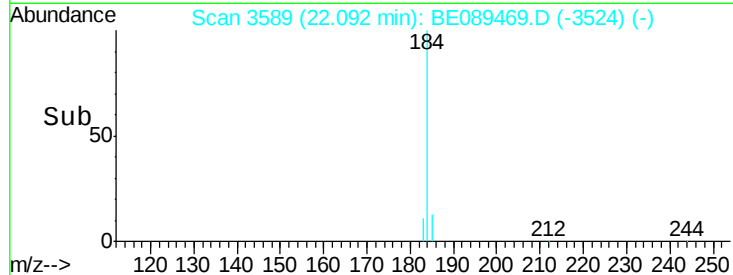
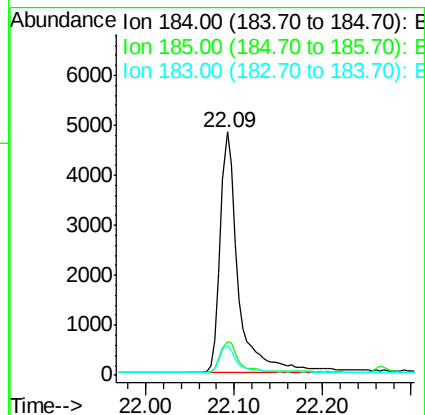
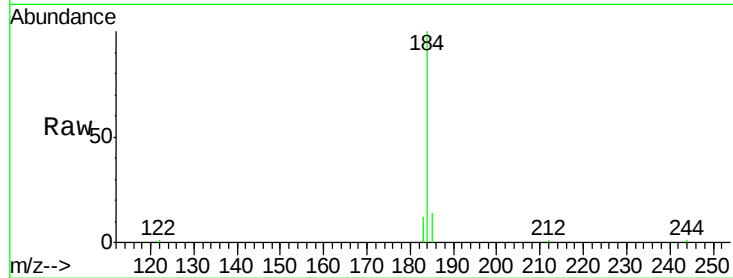
Tgt Ion:184 Resp: 6851

Ion Ratio Lower Upper

184 100

185 13.9 12.0 18.0

183 12.3 9.0 13.4



#22

Terphenyl-d14

Concen: 0.96 ng

RT: 22.43 min Scan# 3663

Delta R.T. 0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

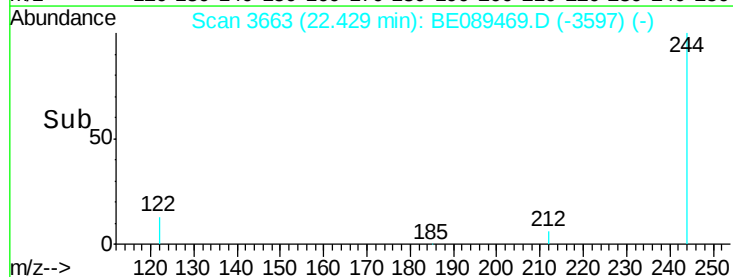
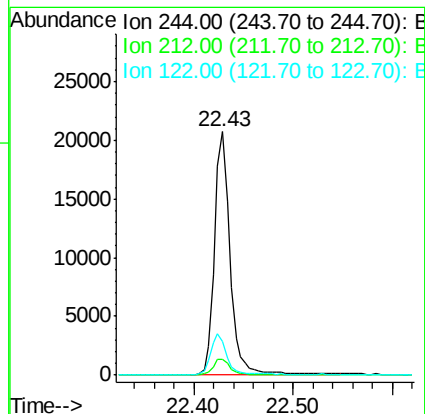
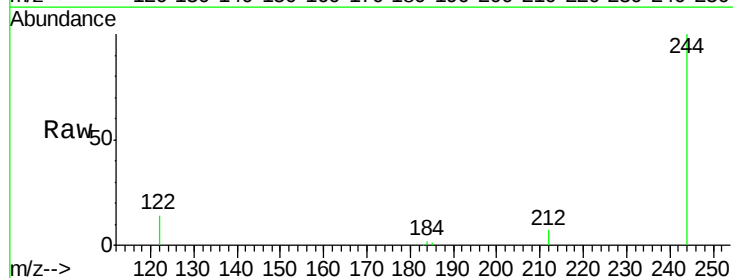
Tgt Ion:244 Resp: 21972

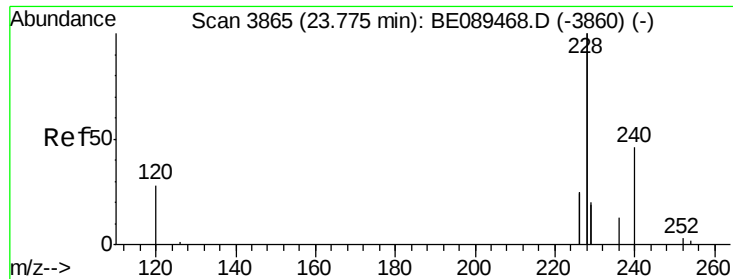
Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

122 13.6 12.6 19.0





#23

Benzo(a)anthracene

Concen: 0.82 ng

RT: 23.78 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

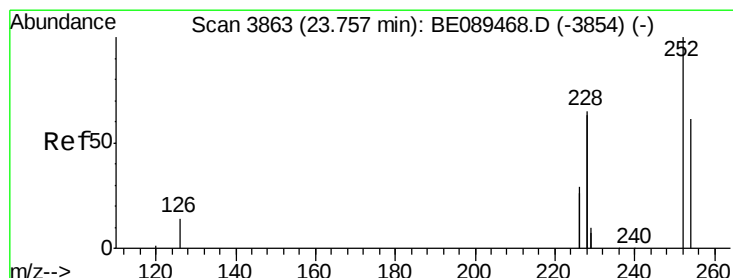
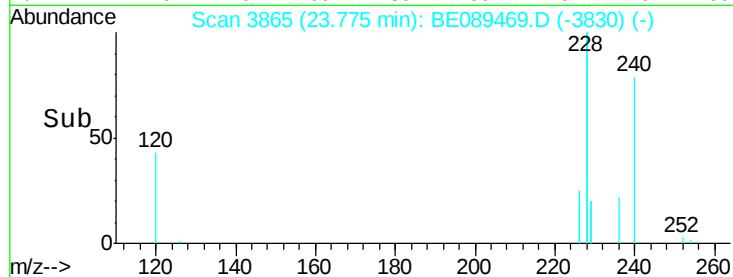
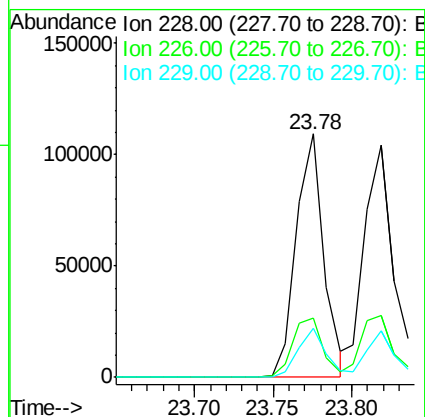
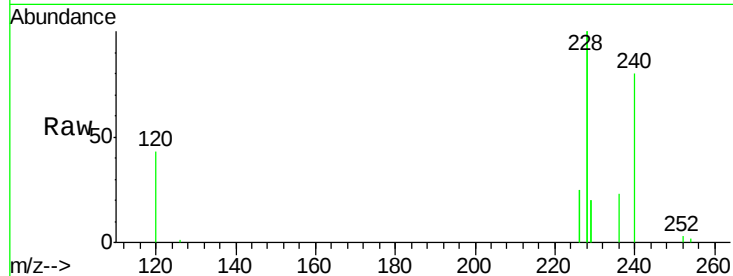
Tgt Ion:228 Resp: 131926

Ion Ratio Lower Upper

228 100

226 24.5 19.6 29.4

229 20.3 15.9 23.9



#24

3,3'-Dichlorobenzidine

Concen: 0.76 ng

RT: 23.76 min Scan# 3863

Delta R.T. 0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

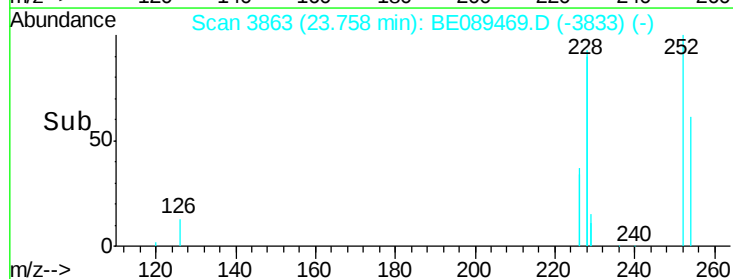
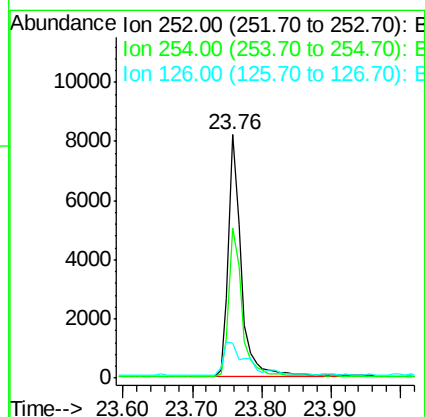
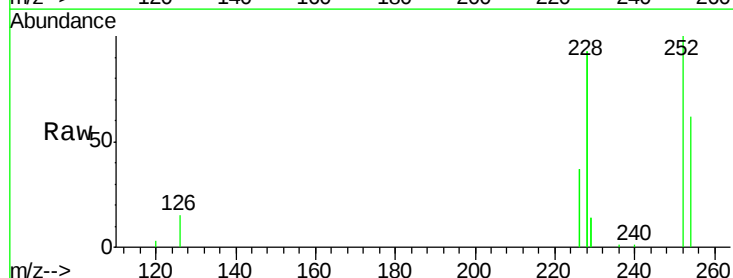
Tgt Ion:252 Resp: 10667

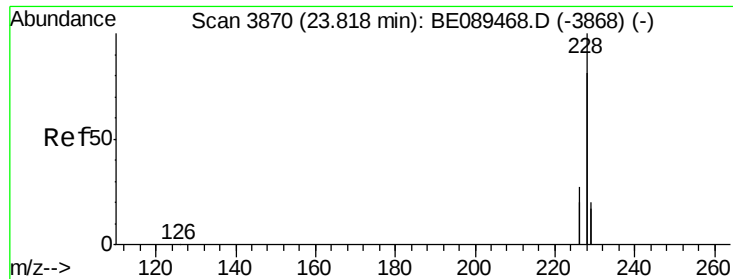
Ion Ratio Lower Upper

252 100

254 61.8 48.6 73.0

126 14.6 12.4 18.6





#25

Chrysene

Concen: 0.77 ng

RT: 23.82 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

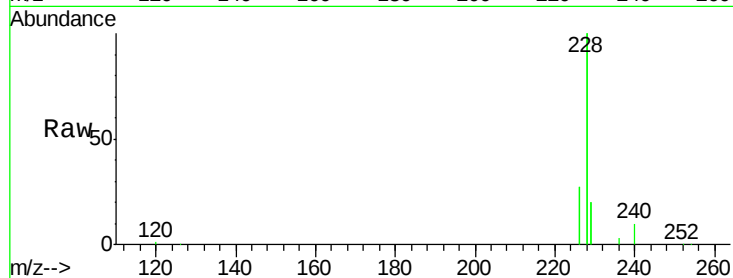
Tgt Ion:228 Resp: 147770

Ion Ratio Lower Upper

228 100

226 26.7 21.8 32.8

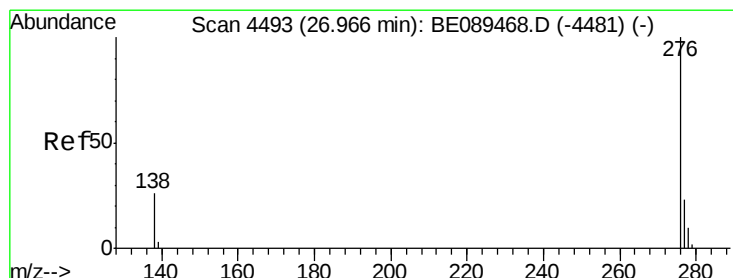
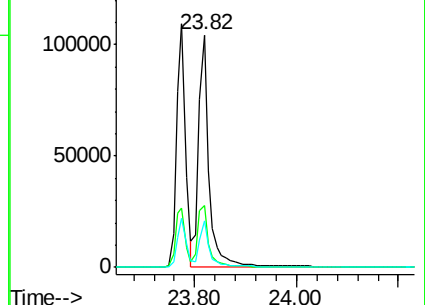
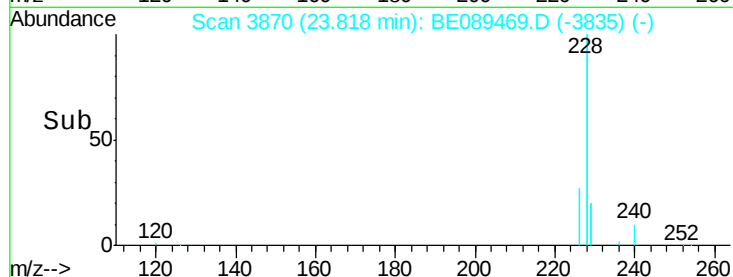
229 20.2 16.2 24.2



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: 0.56 ng

RT: 26.97 min Scan# 4493

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

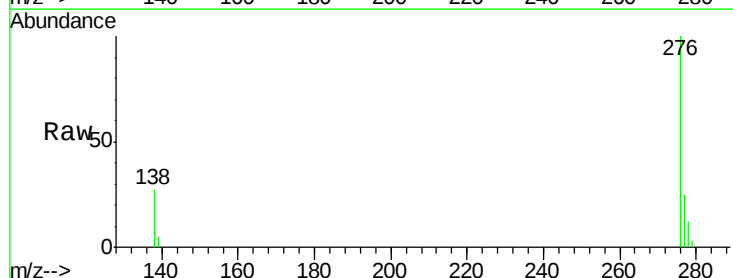
Tgt Ion:276 Resp: 31785

Ion Ratio Lower Upper

276 100

138 28.7 24.2 36.4

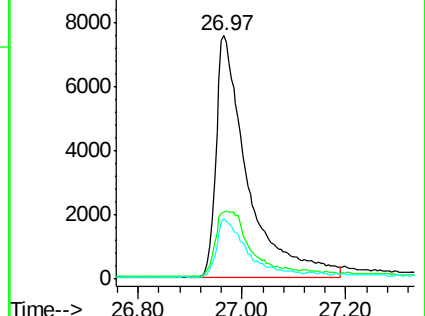
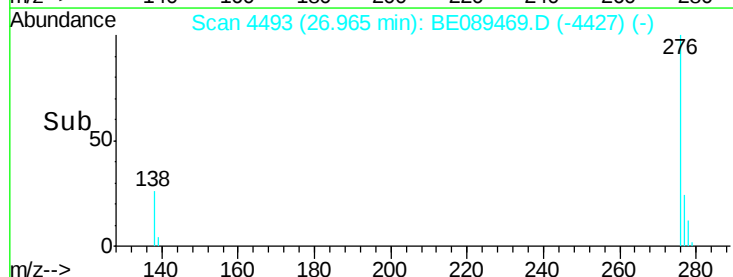
277 23.5 19.9 29.9

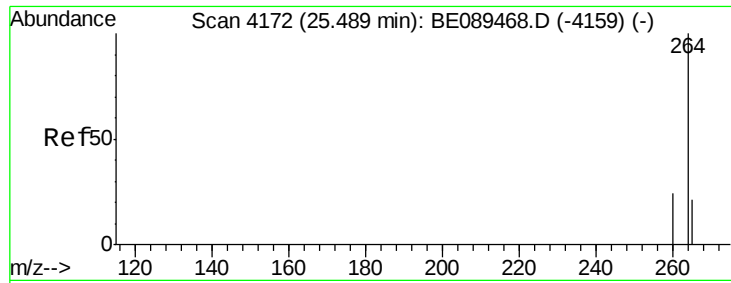


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

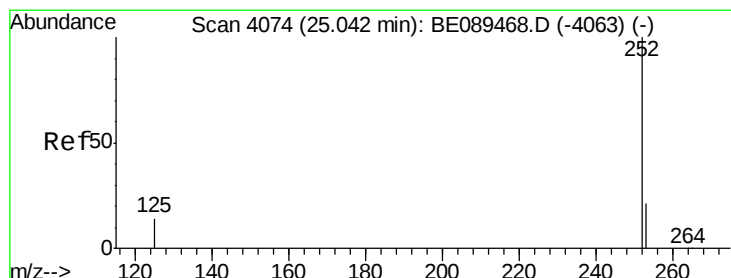
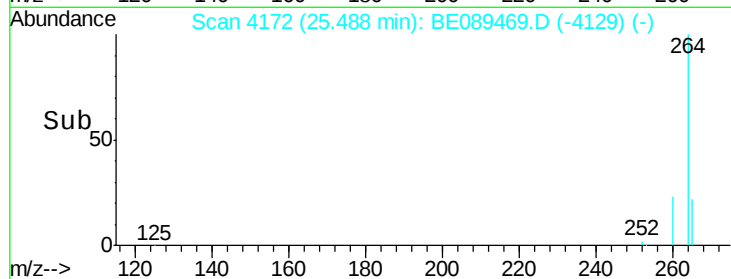
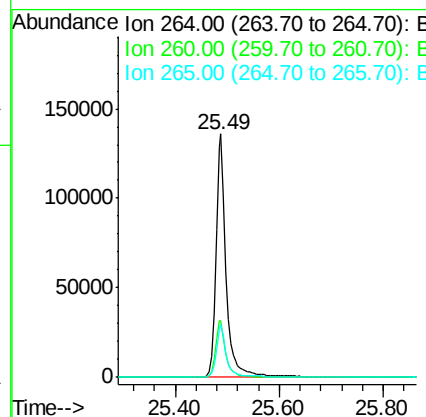
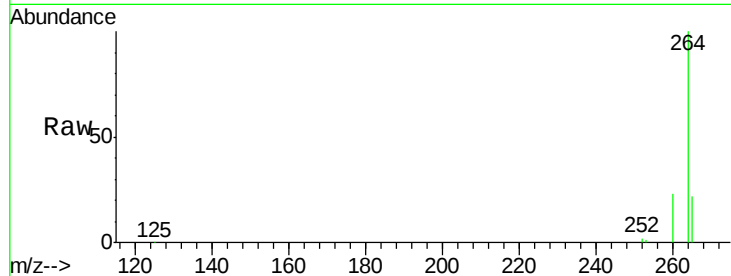




#27
Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4172
 Delta R.T. -0.00 min
 Lab File: BE089469.D
 Acq: 3 Feb 2015 18:16

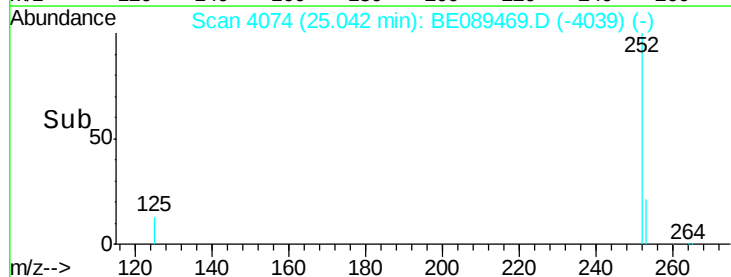
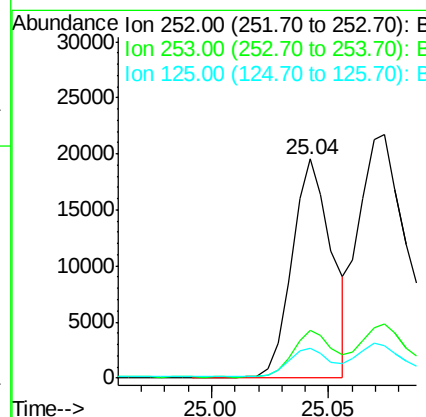
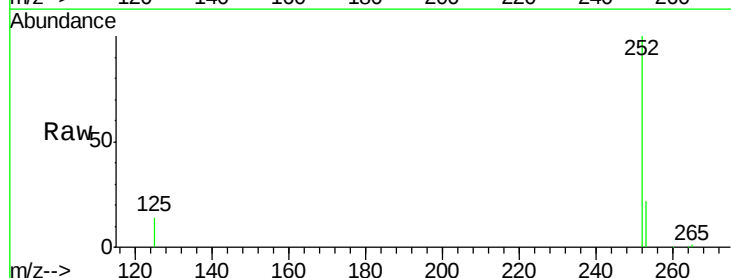
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

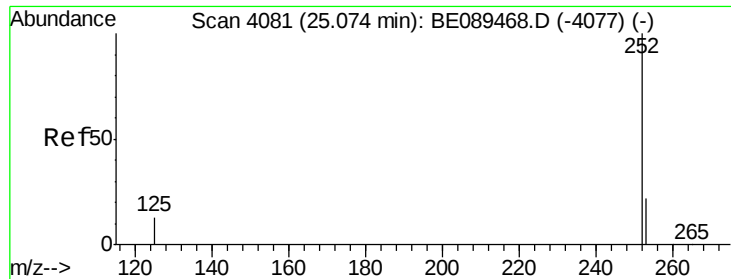
Tgt Ion:264 Resp: 187095
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 21.7 17.0 25.6



#28
Benzo(b)fluoranthene
 Concen: 0.90 ng
 RT: 25.04 min Scan# 4074
 Delta R.T. -0.00 min
 Lab File: BE089469.D
 Acq: 3 Feb 2015 18:16

Tgt Ion:252 Resp: 23003
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.4 26.2
 125 13.9 11.3 16.9





#29

Benzo(k)fluoranthene

Concen: 0.87 ng

RT: 25.07 min Scan# 4081

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

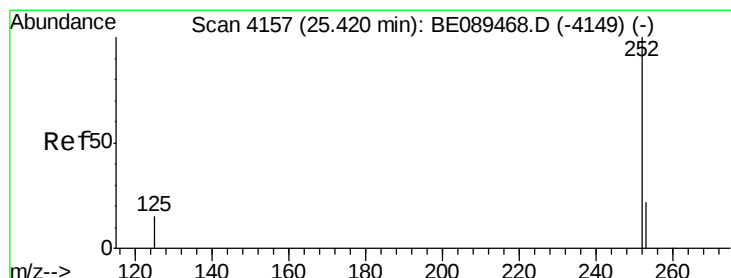
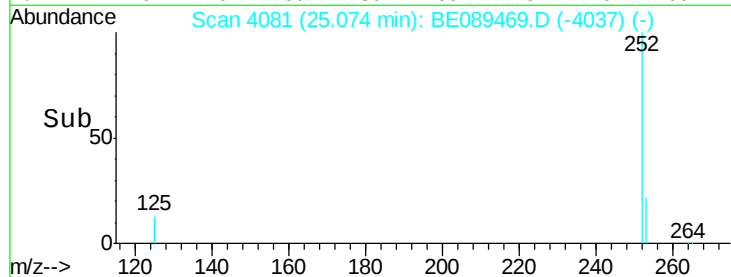
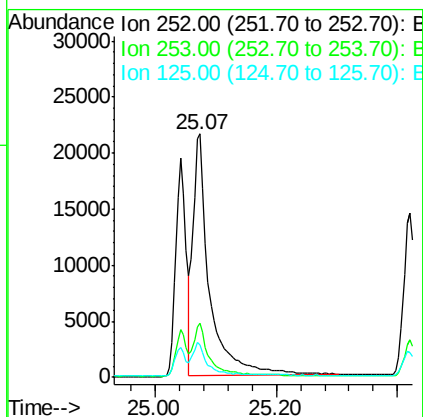
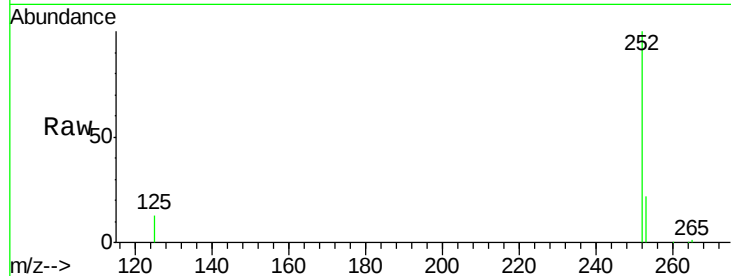
Tgt Ion:252 Resp: 40997

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

125 13.4 10.6 15.8



#30

Benzo(a)pyrene

Concen: 0.85 ng

RT: 25.42 min Scan# 4157

Delta R.T. -0.00 min

Lab File: BE089469.D

Acq: 3 Feb 2015 18:16

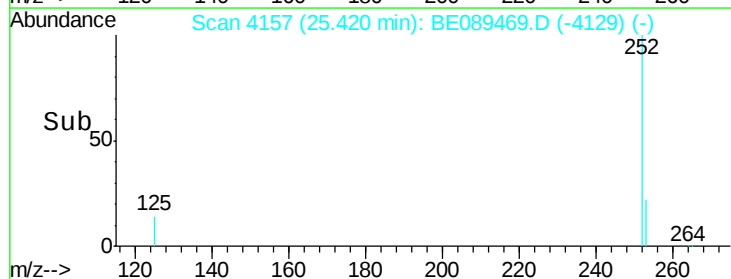
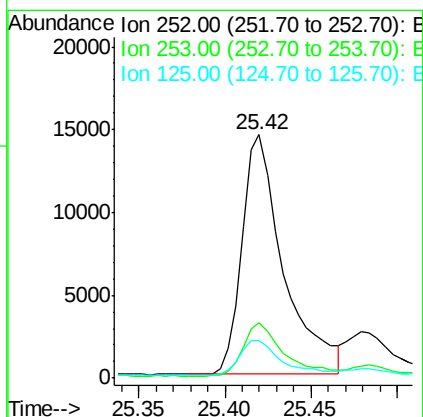
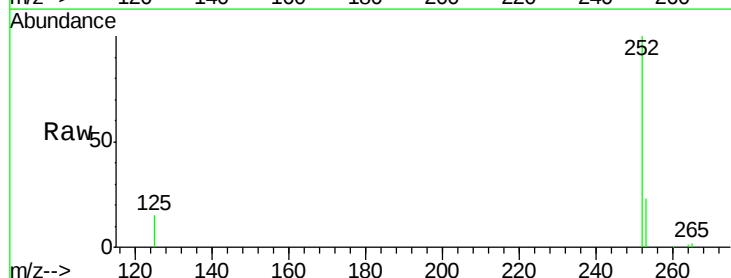
Tgt Ion:252 Resp: 24206

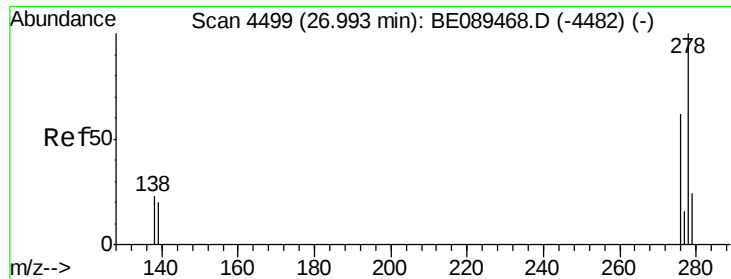
Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

125 15.3 12.2 18.4





#31

Dibenzo(a,h)anthracene

Concen: 0.77 ng

RT: 26.99 min Scan# 4499

Delta R.T. -0.00 min

Lab File: BE089469.D

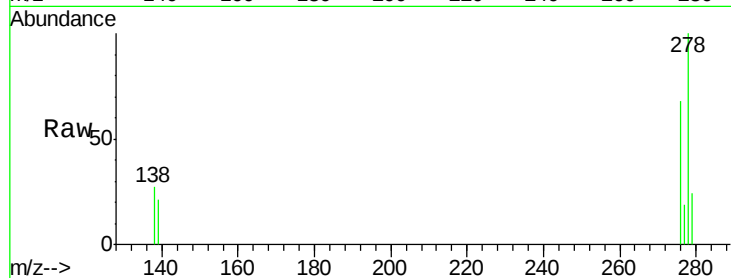
Acq: 3 Feb 2015 18:16

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8



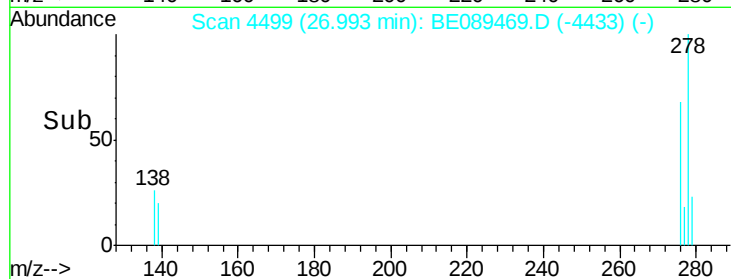
Tgt Ion: 278 Resp: 26545

Ion Ratio Lower Upper

278 100

139 21.2 16.8 25.2

279 24.1 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

