

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089455.D
 Acq On : 2 Feb 2015 14:32
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Feb 03 03:19:40 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 03 03:06:34 2015
 Response via : Initial Calibration

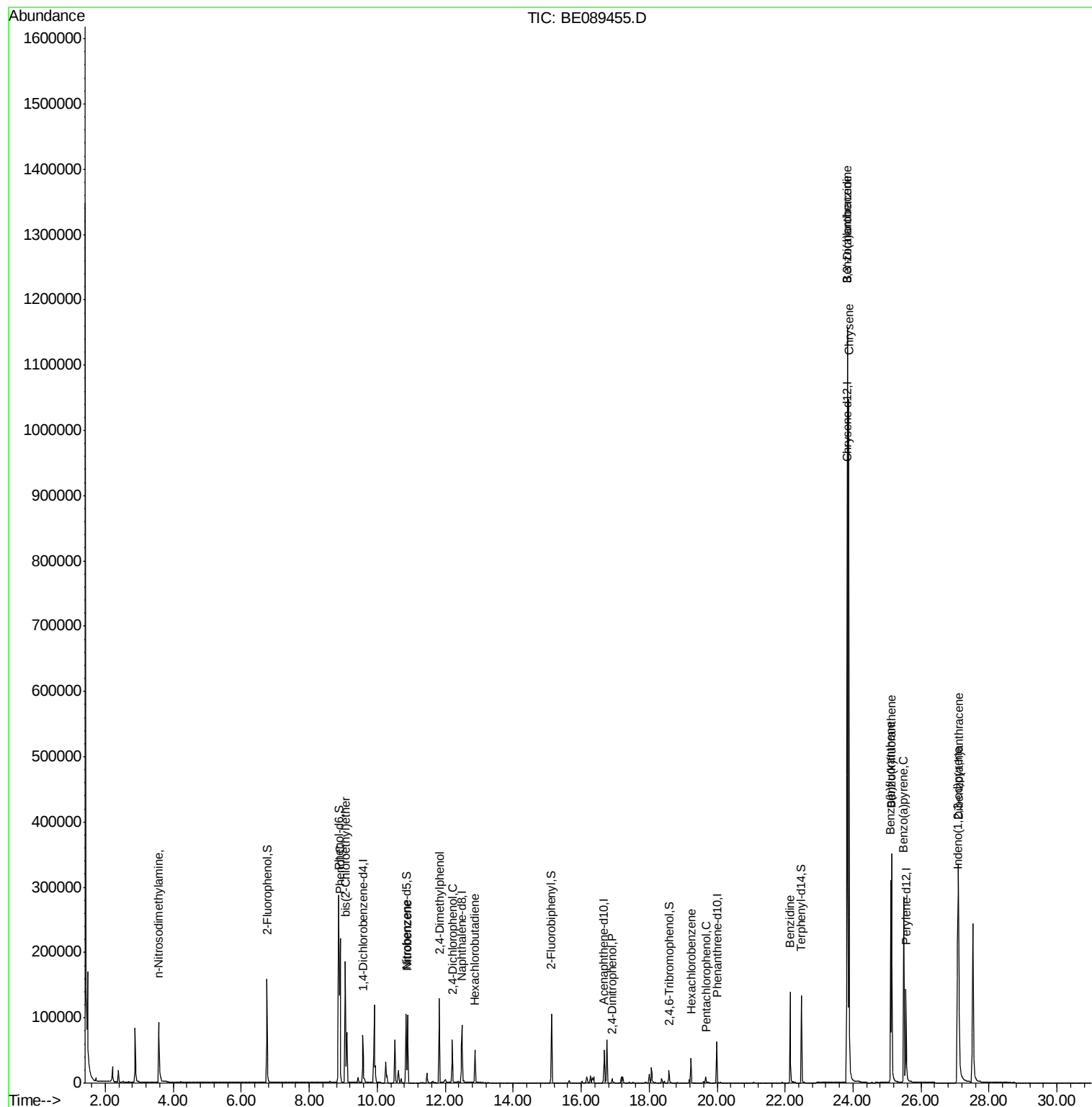
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	31704	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	106495	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	34153	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	60017	5.00	ng	0.00
20) Chrysene-d12	23.84	240	99632	5.00	ng	0.00
27) Perylene-d12	25.56	264	128112	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.76	112	108519	9.83	ng	0.00
4) Phenol-d6	8.88	99	122110	9.15	ng	0.00
8) Nitrobenzene-d5	10.85	82	82194	9.56	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	10996	9.58	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	98643	10.46	ng	0.00
22) Terphenyl-d14	22.48	244	109559	8.76	ng	0.00
Target Compounds						
2) n-Nitrosodimethylamine	3.56	42	61430	10.75	ng	Qvalue # 79
5) Phenol	8.91	94	131475	9.07	ng	# 83
6) bis(2-Chloroethyl)ether	9.06	93	92131	8.57	ng	# 98
9) Nitrobenzene	10.89	77	94544	9.59	ng	99
10) 2,4-Dimethylphenol	11.83	122	66475	9.45	ng	97
11) 2,4-Dichlorophenol	12.21	162	51324	9.90	ng	97
12) Hexachlorobutadiene	12.87	225	33904	9.70	ng	100
16) 2,4-Dinitrophenol	16.91	184	3819	8.80	ng	97
18) Hexachlorobenzene	19.23	284	30653	9.58	ng	97
19) Pentachlorophenol	19.67	266	6670	11.91	ng	98
21) Benzidine	22.14	184	123343	18.04	ng	99
23) Benzo(a)anthracene	23.83	228	886167	11.35	ng	99
24) 3,3'-Dichlorobenzidine	23.82	252	96219	16.58	ng	# 96
25) Chrysene	23.88	228	903655m	8.94	ng	
26) Indeno(1,2,3-cd)pyrene	27.07	276	418230	25.92	ng	98
28) Benzo(b)fluoranthene	25.10	252	263748	22.89	ng	99
29) Benzo(k)fluoranthene	25.13	252	312986	9.01	ng	99
30) Benzo(a)pyrene	25.49	252	284018	18.24	ng	99
31) Dibenzo(a,h)anthracene	27.10	278	360933	23.67	ng	97

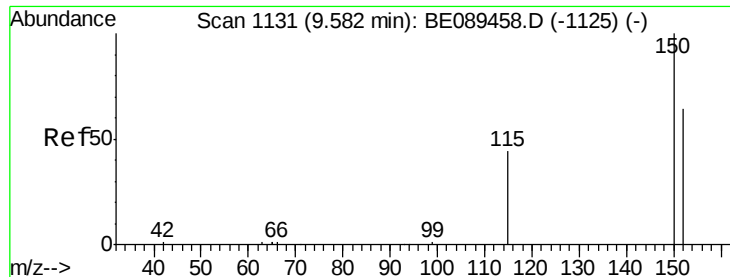
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDIC010

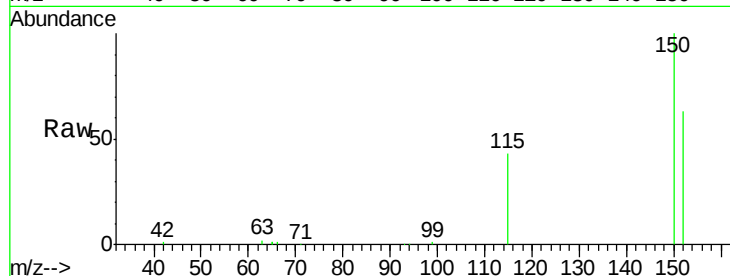
Tgt Ion:152 Resp: 31704

Ion Ratio Lower Upper

152 100

150 157.8 124.6 186.8

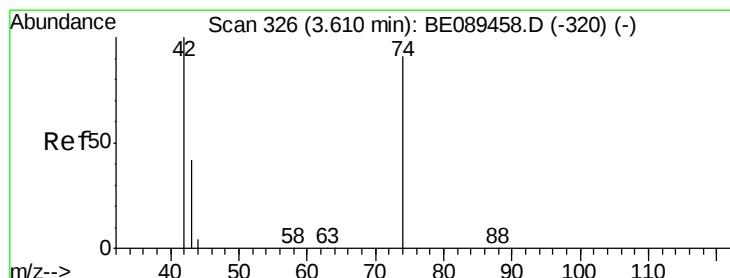
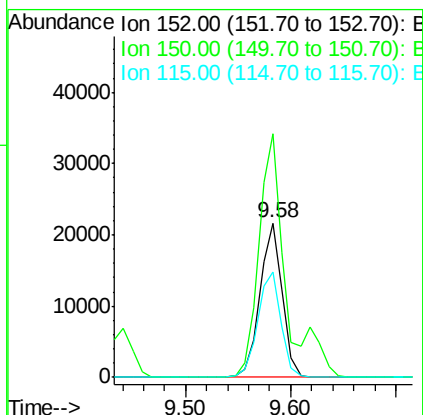
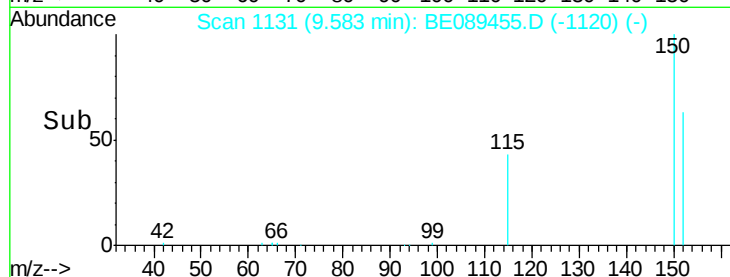
115 67.9 55.4 83.0



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: 10.75 ng

RT: 3.56 min Scan# 319

Delta R.T. -0.05 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

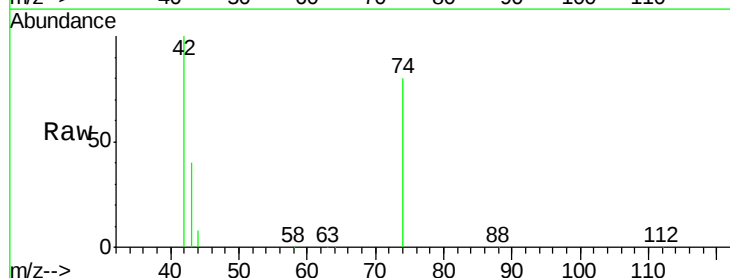
Tgt Ion: 42 Resp: 61430

Ion Ratio Lower Upper

42 100

74 79.8 72.1 108.1

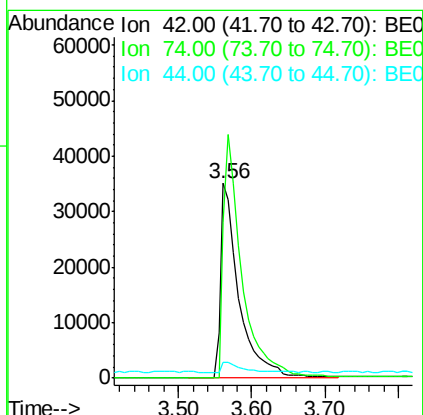
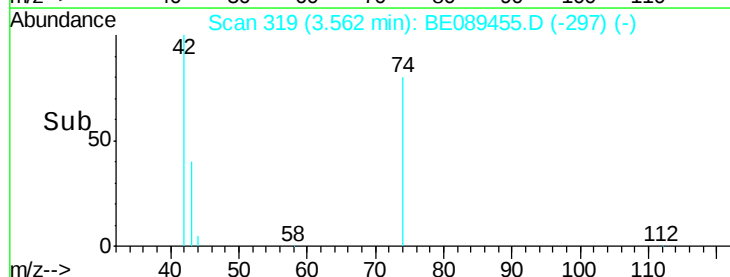
44 8.3 28.0 42.0#

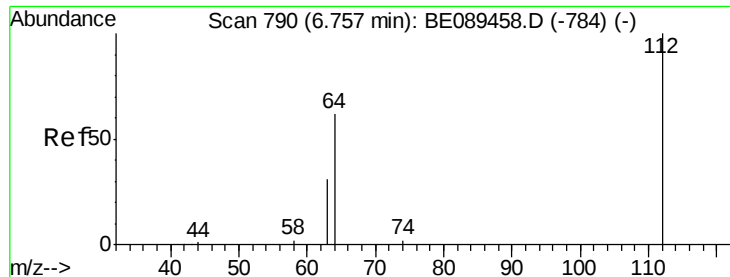


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 9.83 ng

RT: 6.76 min Scan# 790

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDICC010

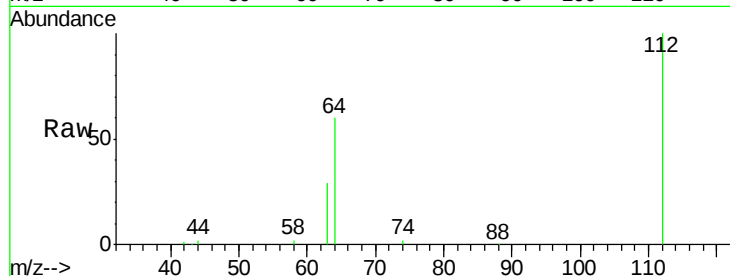
Tgt Ion: 112 Resp: 108519

Ion Ratio Lower Upper

112 100

64 59.8 49.8 74.8

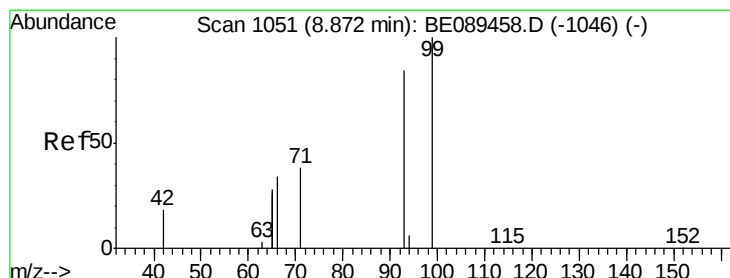
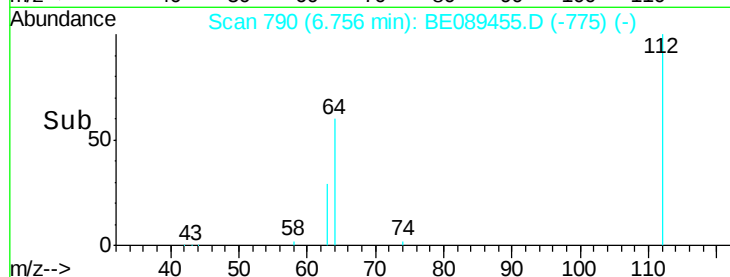
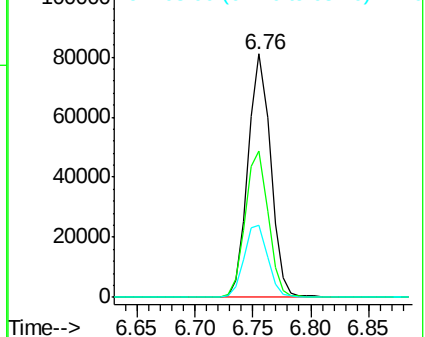
63 29.4 24.9 37.3



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: 9.15 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

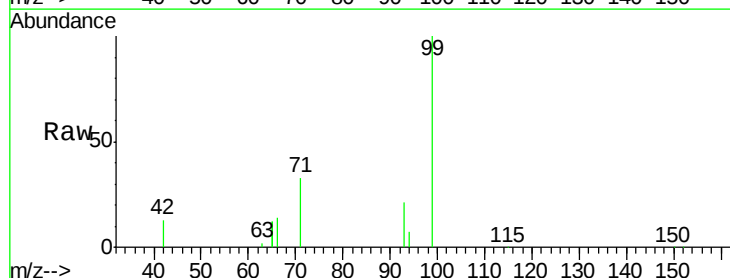
Tgt Ion: 99 Resp: 122110

Ion Ratio Lower Upper

99 100

42 12.8 15.0 22.4#

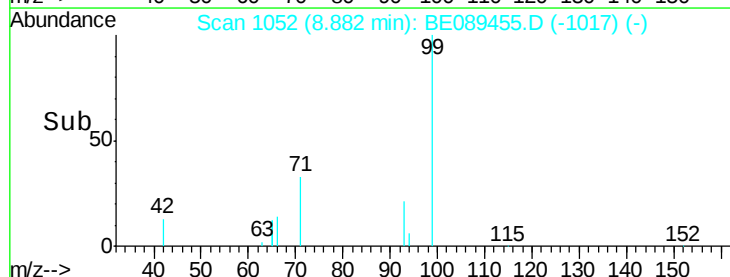
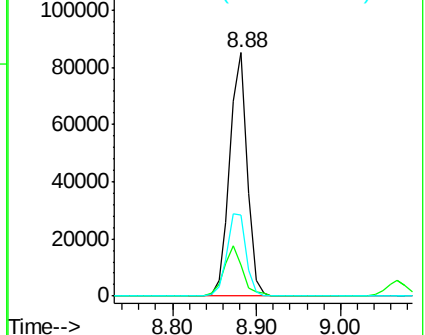
71 33.2 30.6 46.0

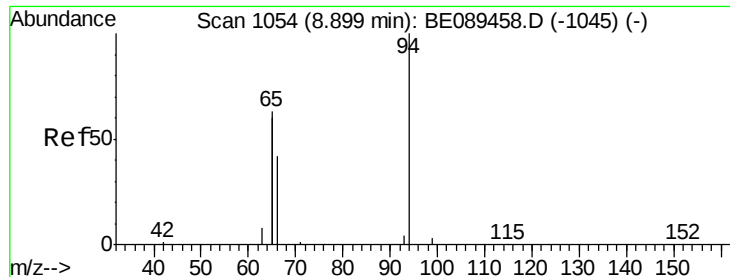


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 9.07 ng

RT: 8.91 min Scan# 1055

Delta R.T. 0.01 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDIC010

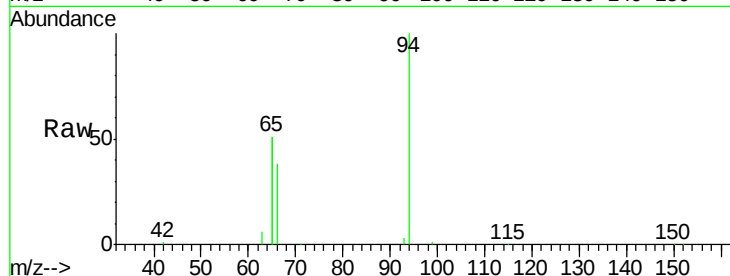
Tgt Ion: 94 Resp: 131475

Ion Ratio Lower Upper

94 100

65 101.9 105.0 145.0#

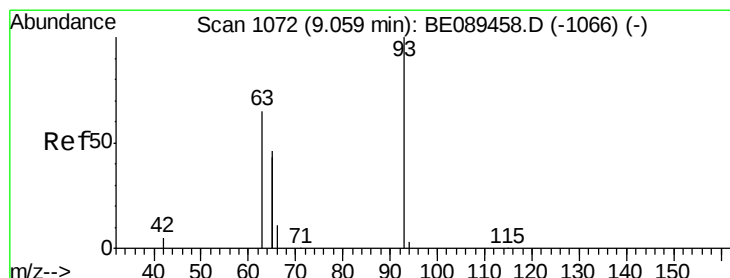
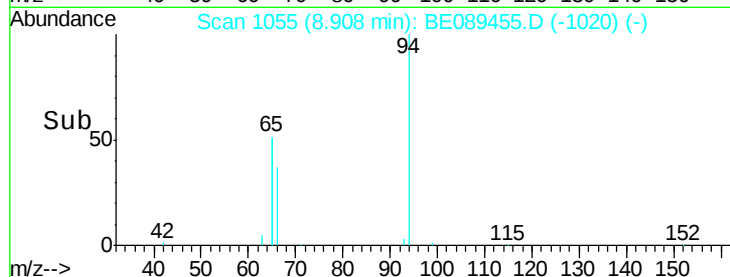
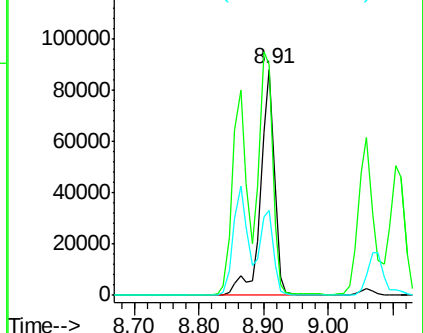
66 37.5 22.4 62.4



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: 8.57 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

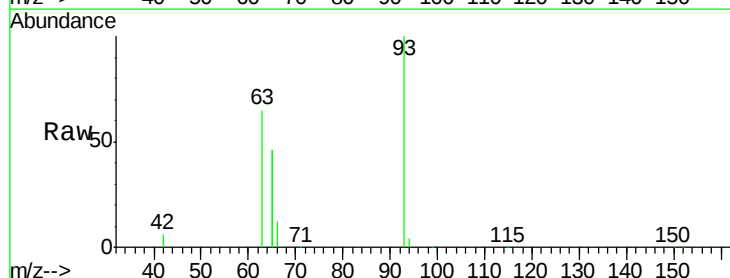
Tgt Ion: 93 Resp: 92131

Ion Ratio Lower Upper

93 100

63 72.7 59.2 88.8

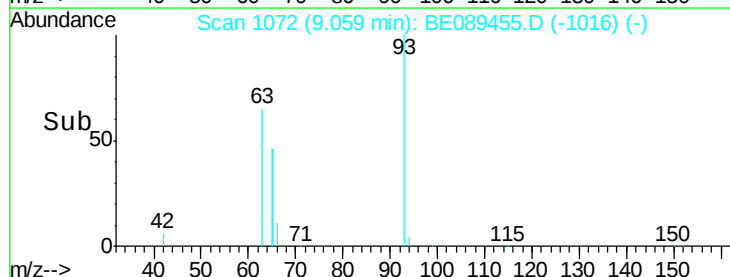
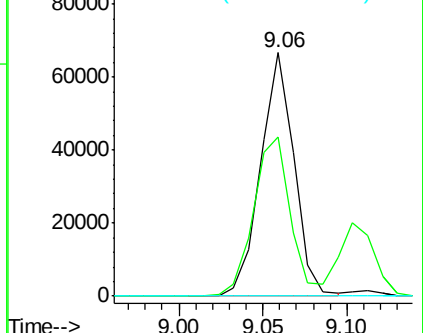
95 0.0 0.0 0.0

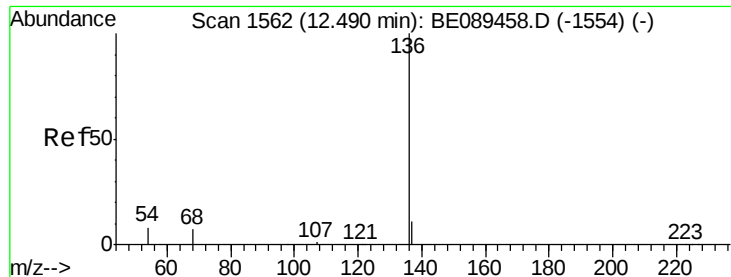


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 12.49 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDICC010

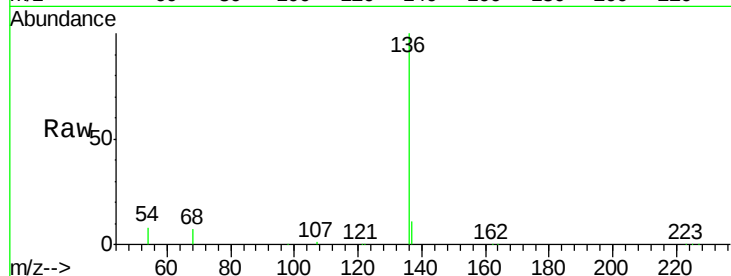
Tgt Ion:136 Resp: 106495

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

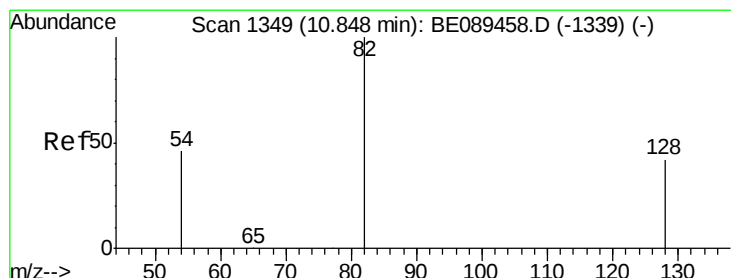
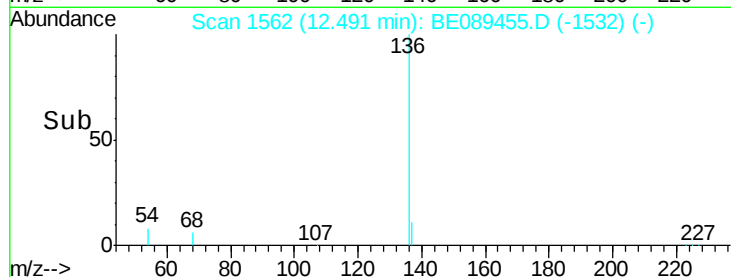
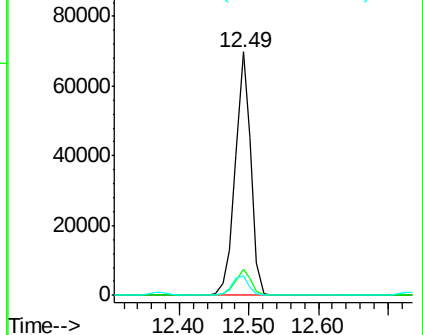
54 8.1 6.5 9.7



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: 9.56 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

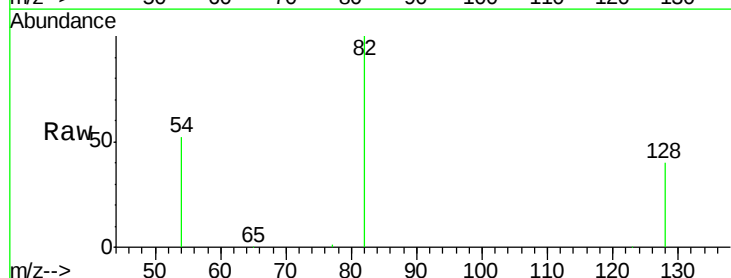
Tgt Ion: 82 Resp: 82194

Ion Ratio Lower Upper

82 100

128 39.5 34.2 51.2

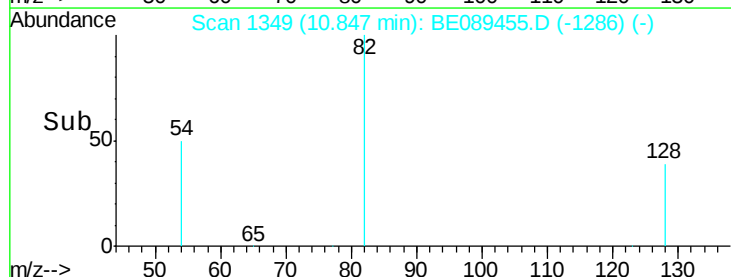
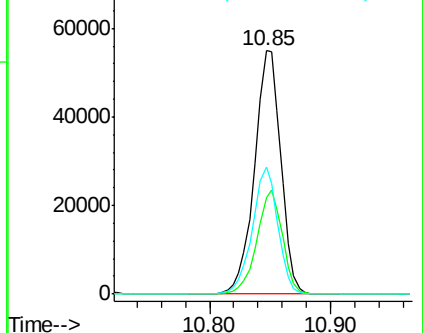
54 52.2 37.3 55.9

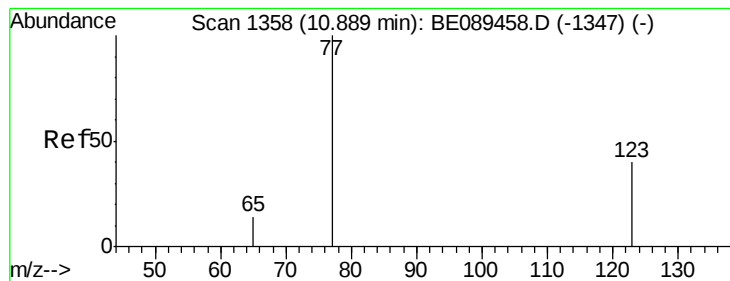


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 9.59 ng

RT: 10.89 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BE089455.D

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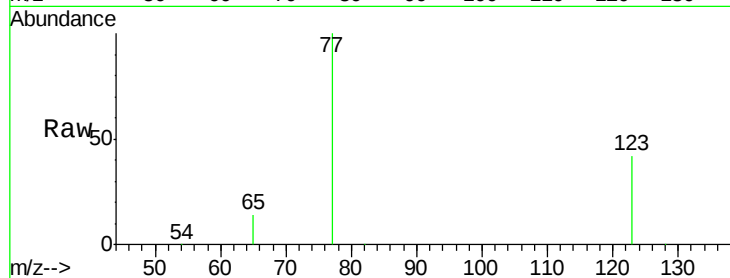
Tgt Ion: 77 Resp: 94544

Ion Ratio Lower Upper

77 100

123 42.9 33.6 50.4

65 13.9 11.0 16.6

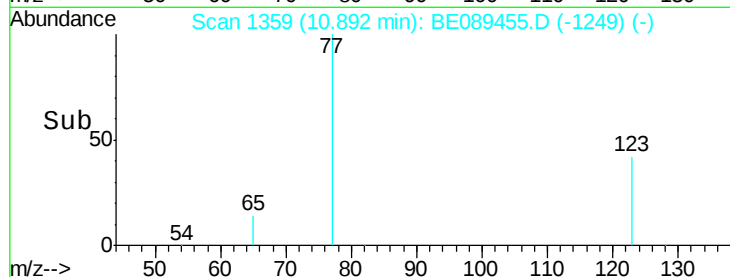


Abundance Ion 77.00 (76.70 to 77.70): BE0

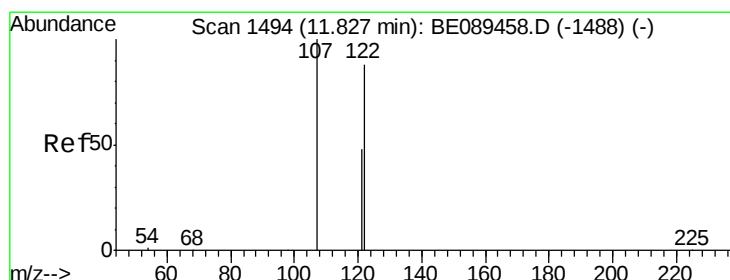
Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->



Time-->



#10

2,4-Dimethylphenol

Concen: 9.45 ng

RT: 11.83 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

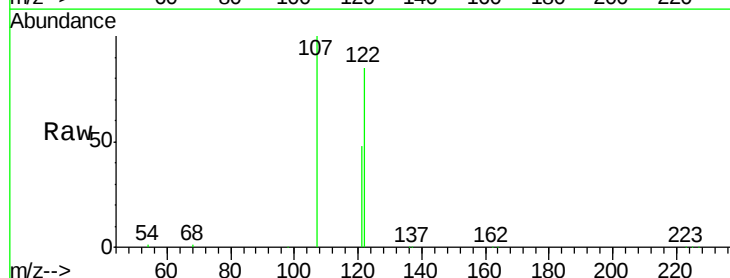
Tgt Ion: 122 Resp: 66475

Ion Ratio Lower Upper

122 100

107 117.1 90.6 136.0

121 56.8 43.7 65.5

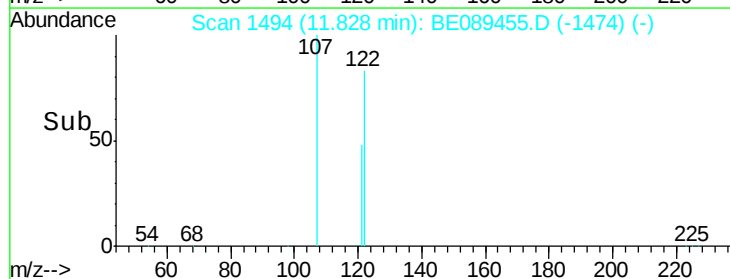


Abundance Ion 122.00 (121.70 to 122.70): E

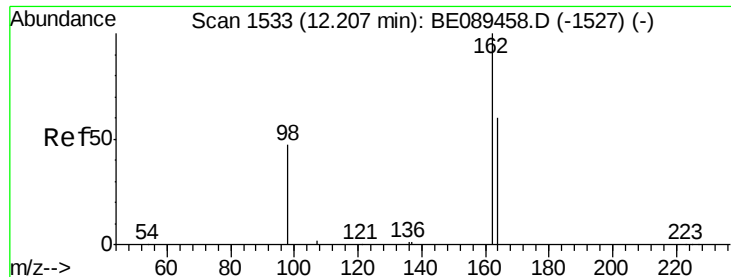
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Time-->



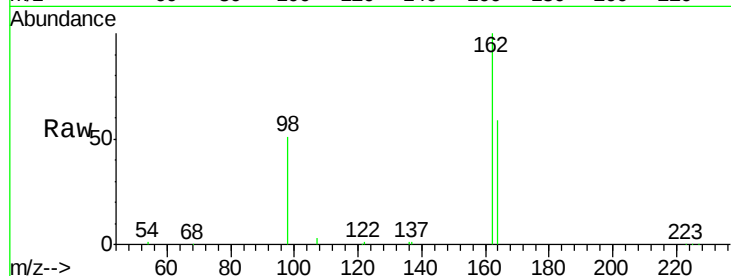
Time-->



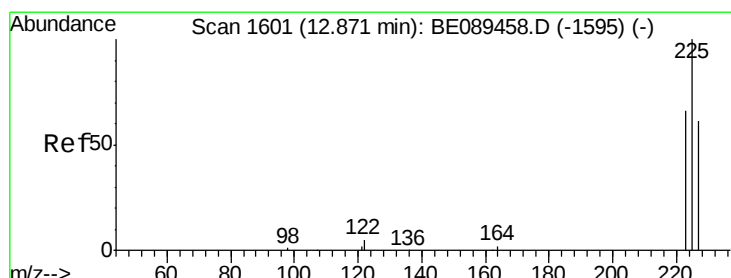
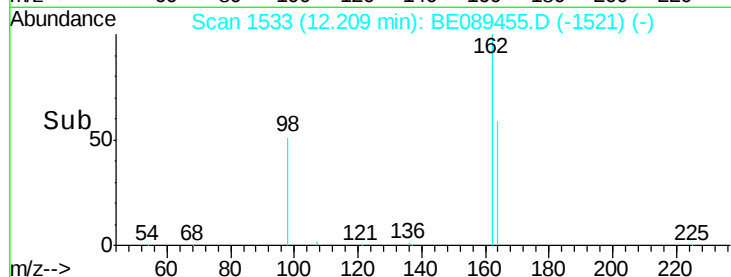
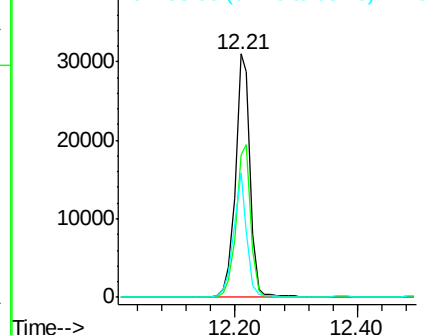
#11
2,4-Dichlorophenol
Concen: 9.90 ng
RT: 12.21 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BE089455.D
Acq: 2 Feb 2015 14:32

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion:162 Resp: 51324
Ion Ratio Lower Upper
162 100
164 58.7 40.5 80.5
98 50.9 28.1 68.1

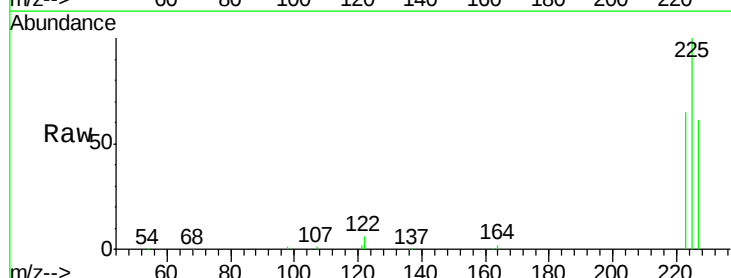


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): E

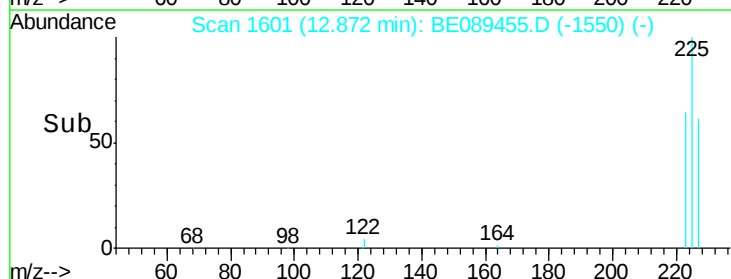
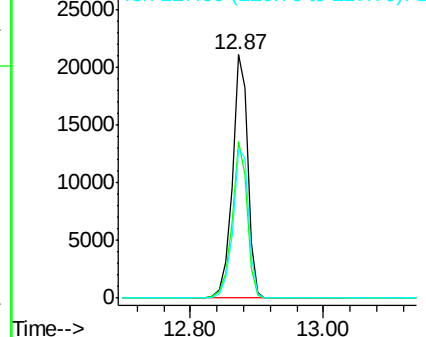


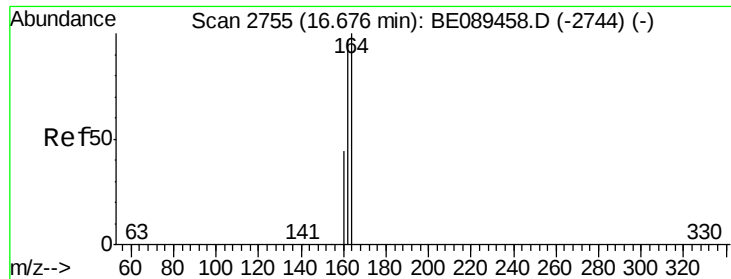
#12
Hexachlorobutadiene
Concen: 9.70 ng
RT: 12.87 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BE089455.D
Acq: 2 Feb 2015 14:32

Tgt Ion:225 Resp: 33904
Ion Ratio Lower Upper
225 100
223 62.4 50.2 75.2
227 62.9 49.9 74.9



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: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDICC010

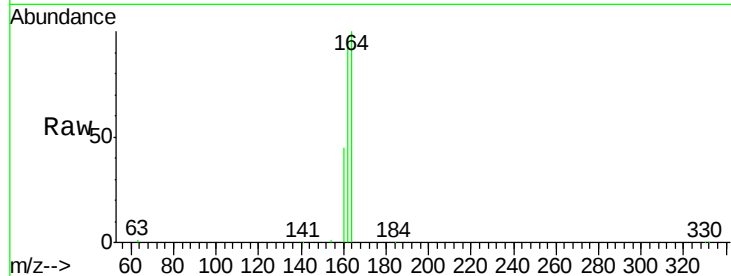
Tgt Ion:164 Resp: 34153

Ion Ratio Lower Upper

164 100

162 96.7 77.4 116.2

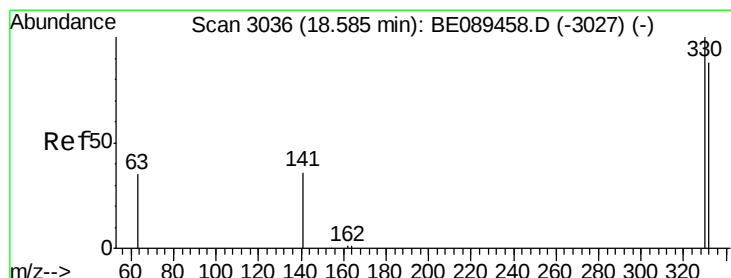
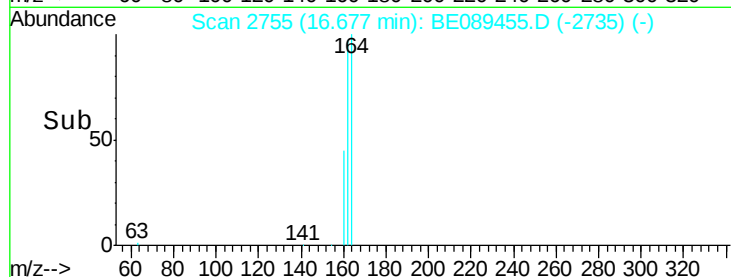
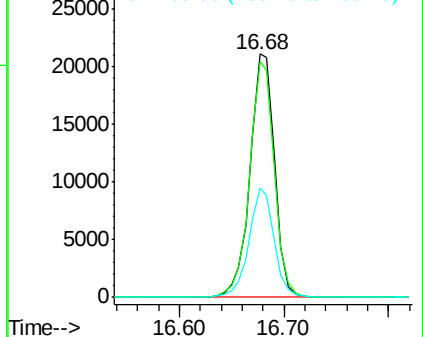
160 44.8 35.5 53.3



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: 9.58 ng

RT: 18.59 min Scan# 3036

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

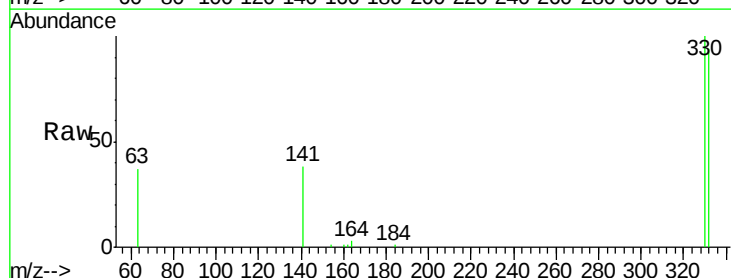
Tgt Ion:330 Resp: 10996

Ion Ratio Lower Upper

330 100

332 95.4 75.4 113.2

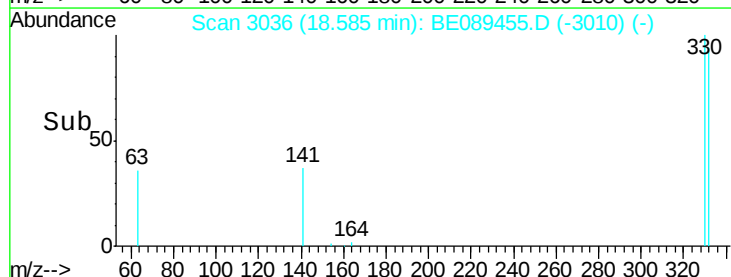
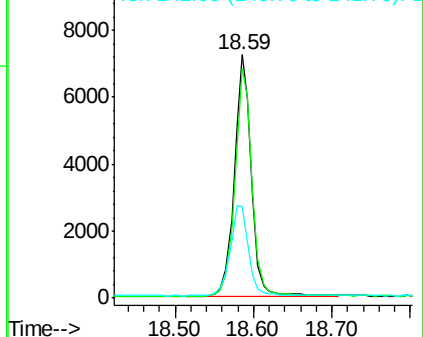
141 40.4 35.7 53.5

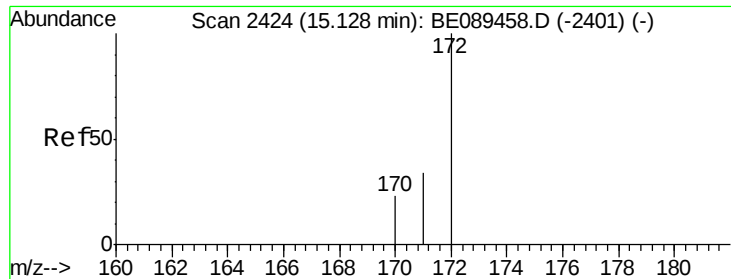


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

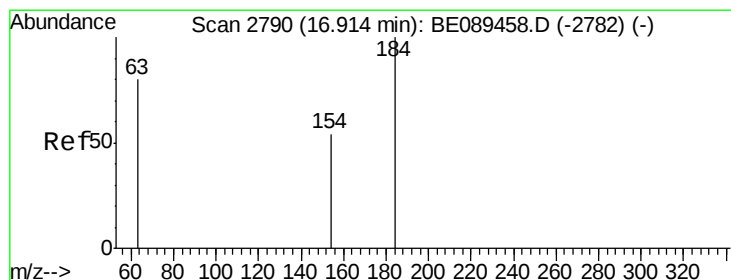
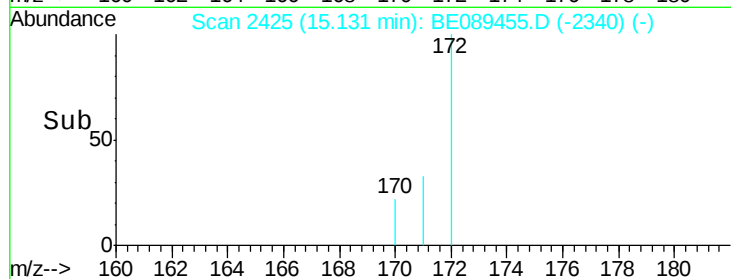
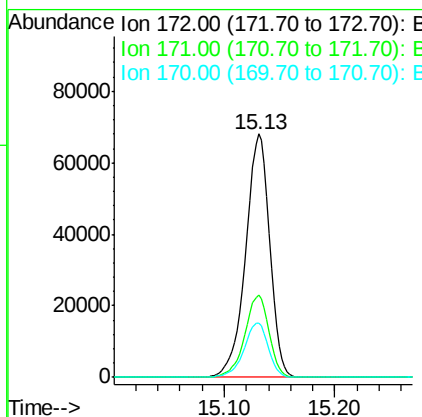
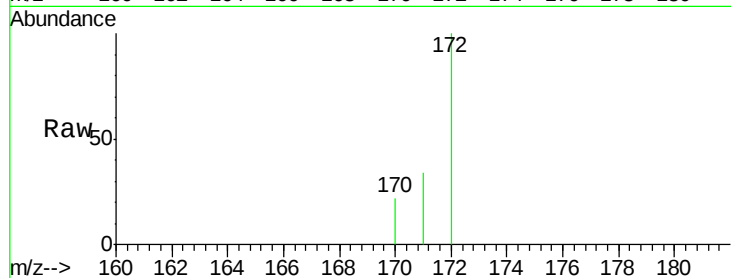




#15
2-Fluorobiphenyl
Concen: 10.46 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089455.D
Acq: 2 Feb 2015 14:32

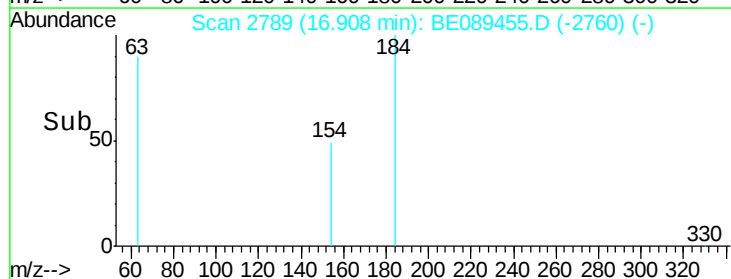
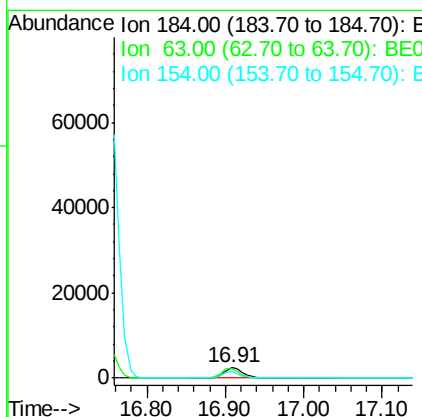
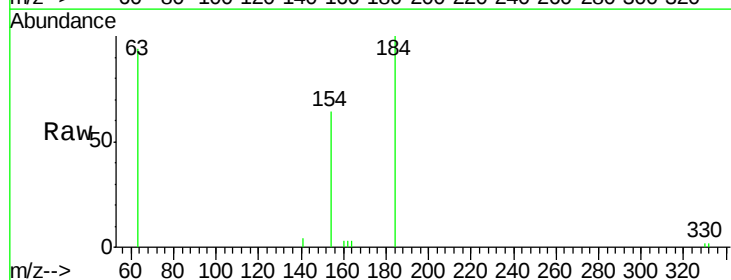
Instrument :
BNA_E
LabSampleId :
SSTDIC010

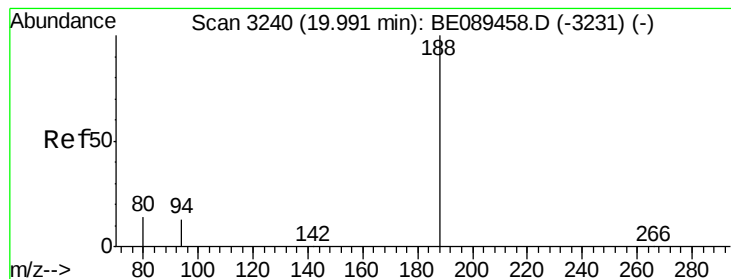
Tgt Ion:172 Resp: 98643
Ion Ratio Lower Upper
172 100
171 33.6 27.7 41.5
170 22.3 18.3 27.5



#16
2,4-Dinitrophenol
Concen: 8.80 ng
RT: 16.91 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BE089455.D
Acq: 2 Feb 2015 14:32

Tgt Ion:184 Resp: 3819
Ion Ratio Lower Upper
184 100
63 93.6 77.0 115.6
154 64.1 54.0 81.0





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.99 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDIC010

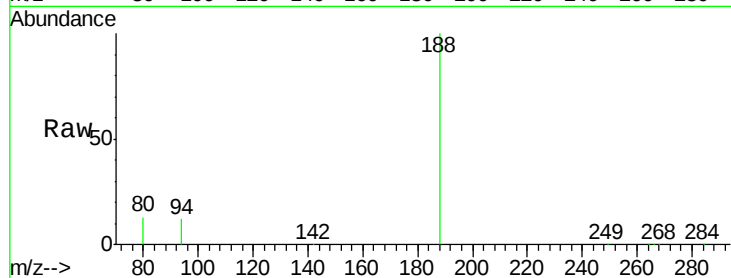
Tgt Ion:188 Resp: 60017

Ion Ratio Lower Upper

188 100

94 12.3 10.2 15.4

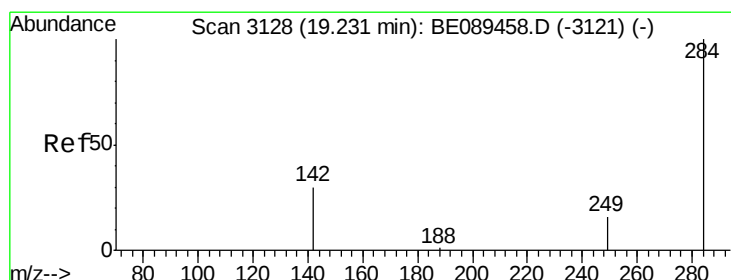
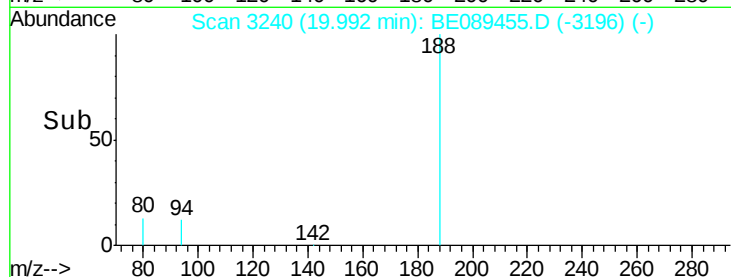
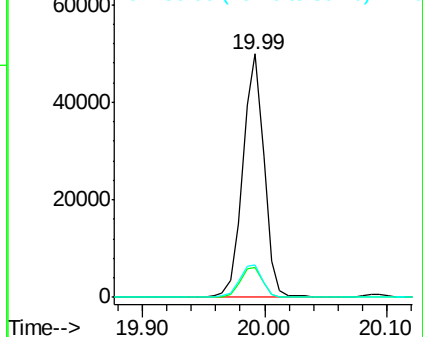
80 13.2 10.9 16.3



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: 9.58 ng

RT: 19.23 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

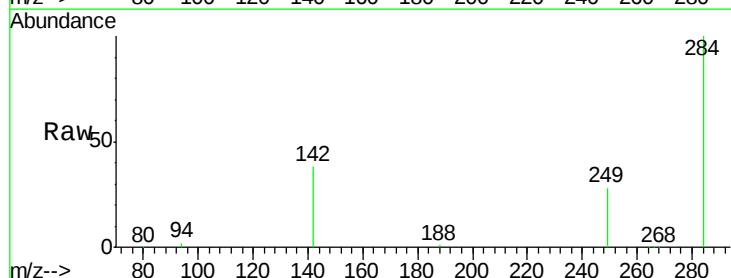
Tgt Ion:284 Resp: 30653

Ion Ratio Lower Upper

284 100

142 38.1 31.8 47.8

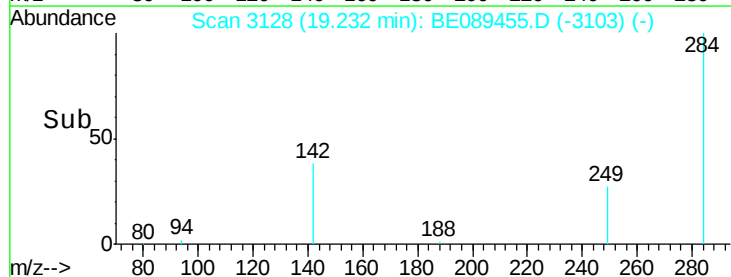
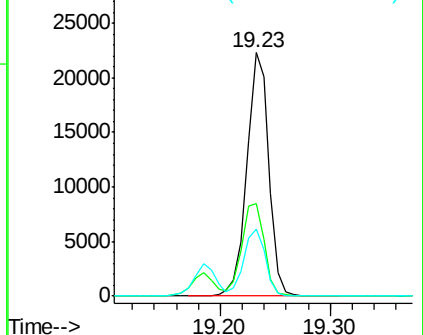
249 27.6 23.5 35.3

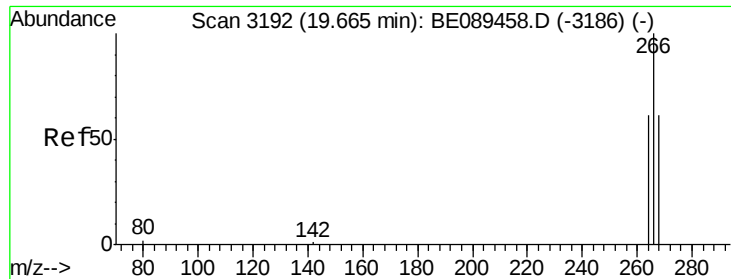


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

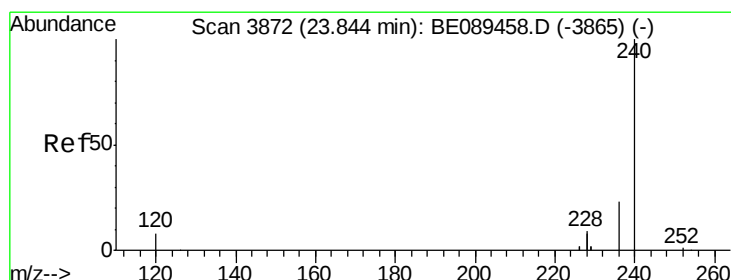
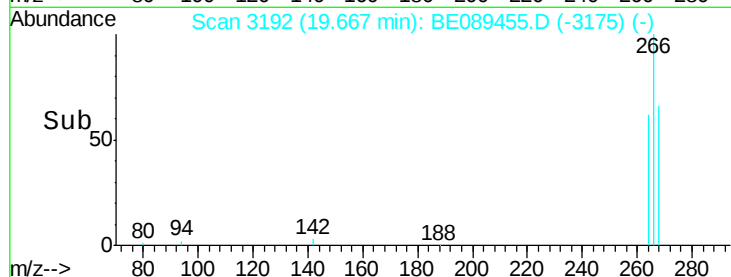
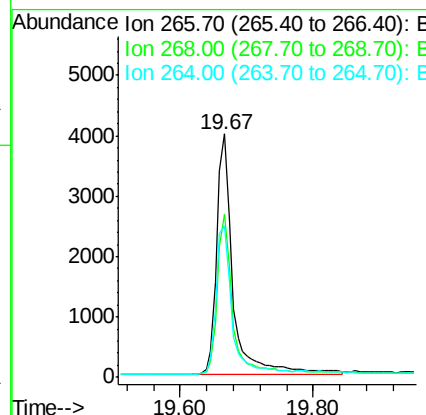
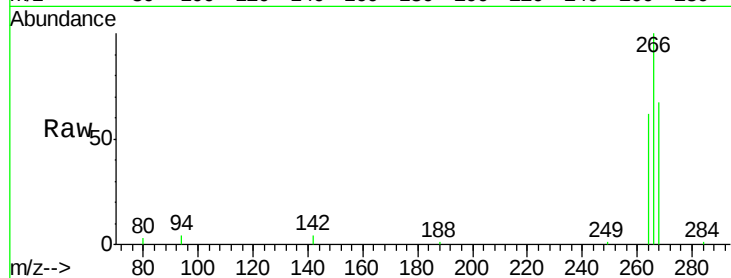




#19
 Pentachlorophenol
 Concen: 11.91 ng
 RT: 19.67 min Scan# 3192
 Delta R.T. 0.00 min
 Lab File: BE089455.D
 Acq: 2 Feb 2015 14:32

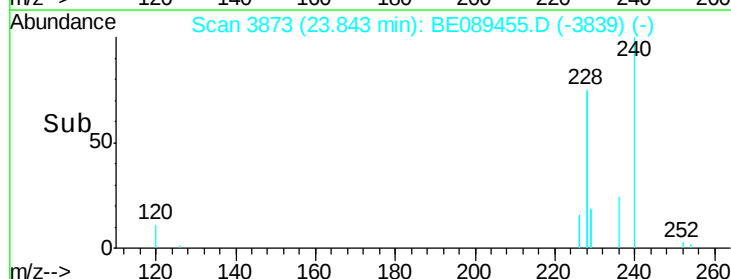
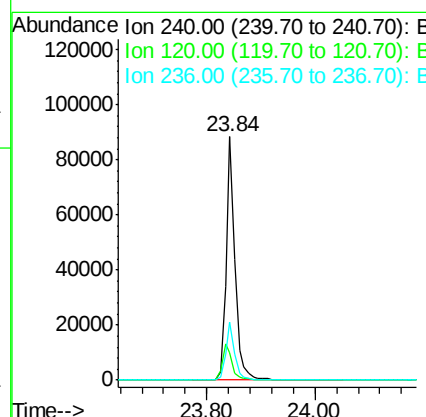
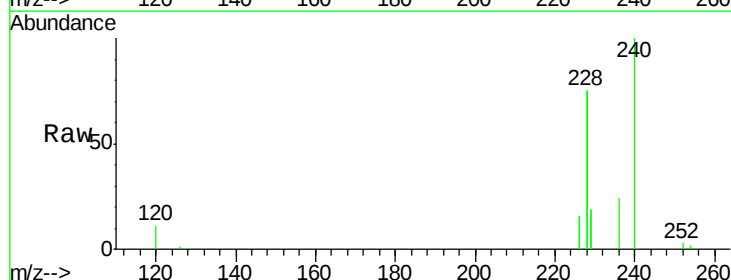
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

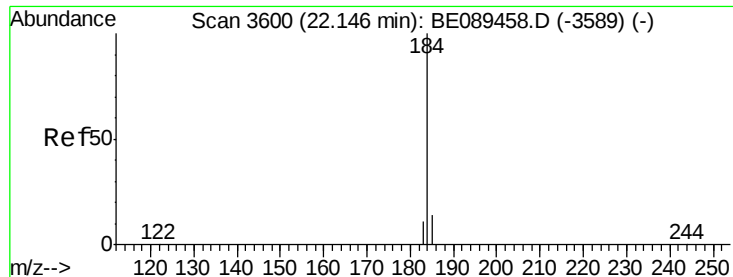
Tgt Ion:266 Resp: 6670
 Ion Ratio Lower Upper
 266 100
 268 66.7 52.6 78.8
 264 62.4 52.2 78.2



#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3873
 Delta R.T. -0.00 min
 Lab File: BE089455.D
 Acq: 2 Feb 2015 14:32

Tgt Ion:240 Resp: 99632
 Ion Ratio Lower Upper
 240 100
 120 11.0 6.2 9.4#
 236 23.6 18.2 27.4





#21

Benzidine

Concen: 18.04 ng

RT: 22.14 min Scan# 3600

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDICC010

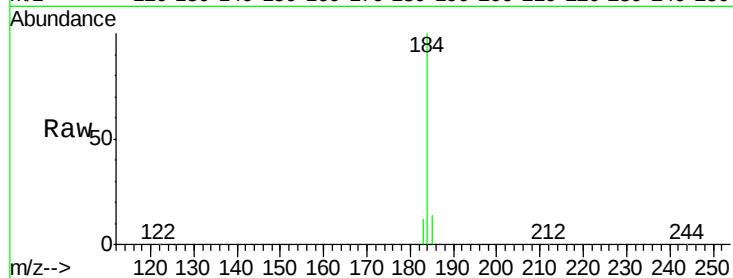
Tgt Ion:184 Resp: 123343

Ion Ratio Lower Upper

184 100

185 13.6 11.7 17.5

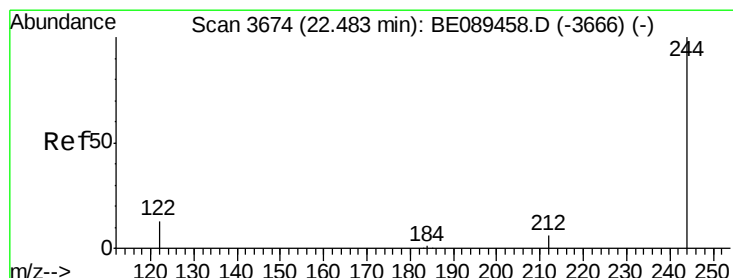
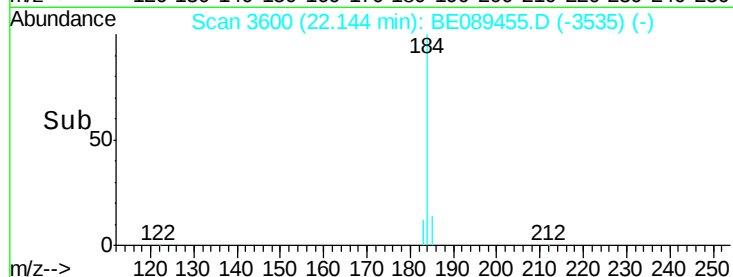
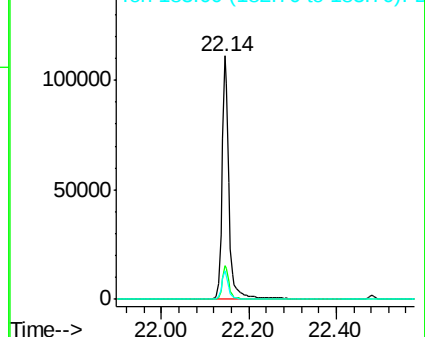
183 11.7 9.4 14.0



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: 8.76 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

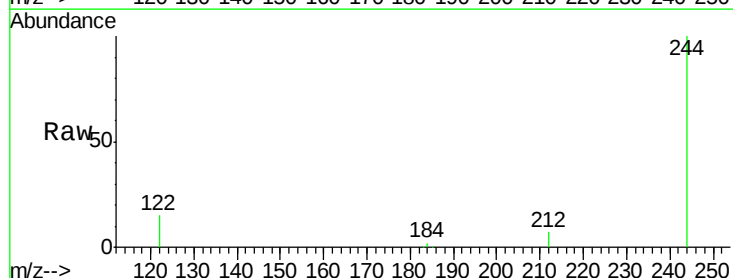
Tgt Ion:244 Resp: 109559

Ion Ratio Lower Upper

244 100

212 6.7 5.3 7.9

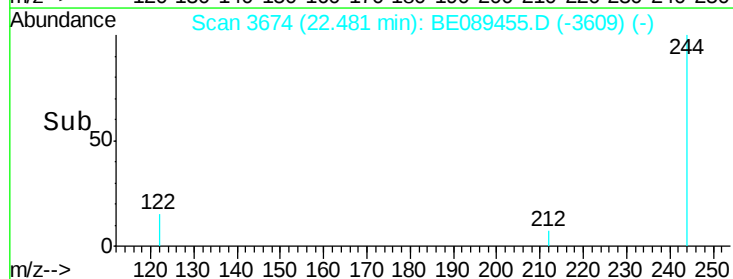
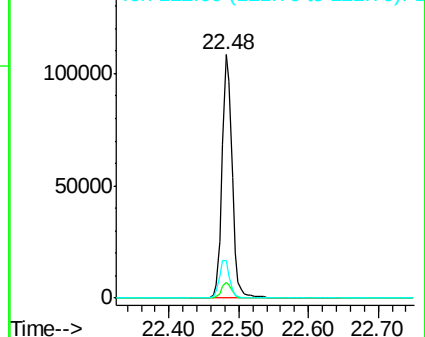
122 15.3 10.5 15.7

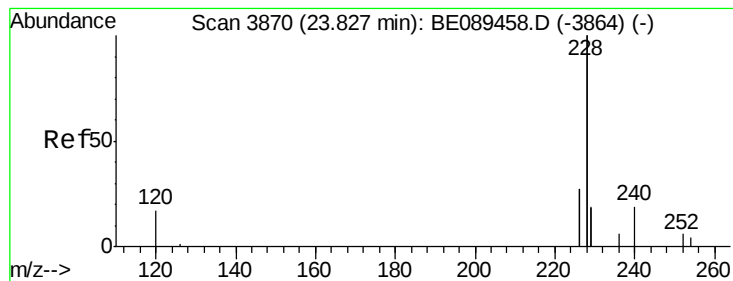


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 11.35 ng

RT: 23.83 min Scan# 3871

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDIC010

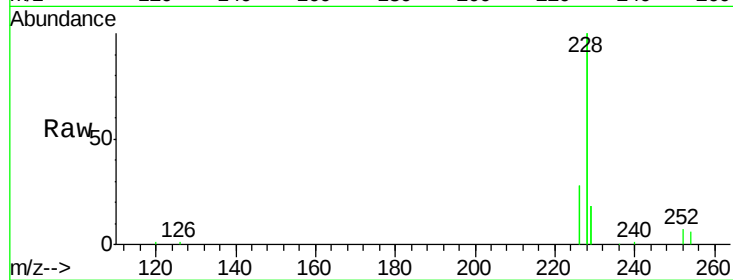
Tgt Ion:228 Resp: 886167

Ion Ratio Lower Upper

228 100

226 27.8 21.7 32.5

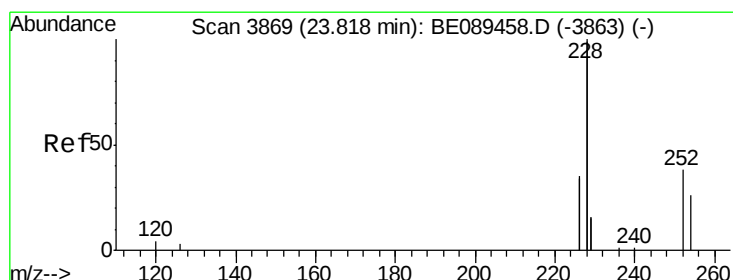
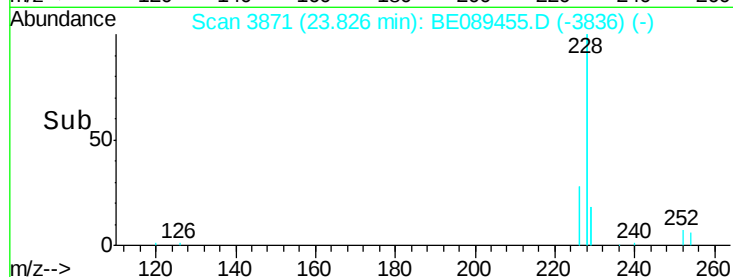
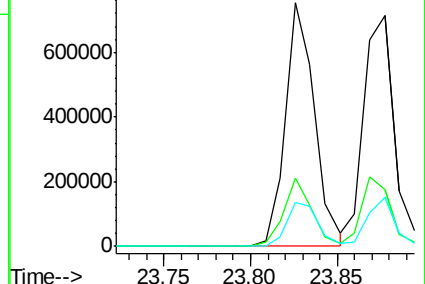
229 18.1 14.8 22.2



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



#24

3,3'-Dichlorobenzidine

Concen: 16.58 ng

RT: 23.82 min Scan# 3870

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

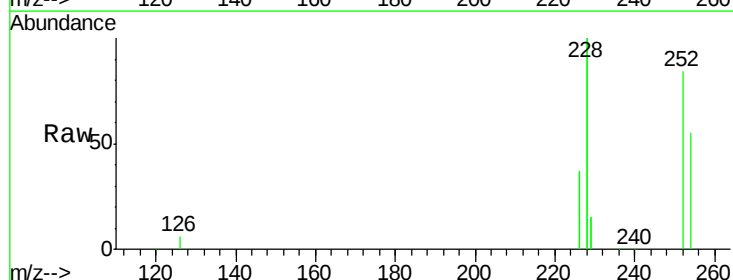
Tgt Ion:252 Resp: 96219

Ion Ratio Lower Upper

252 100

254 65.6 54.6 82.0

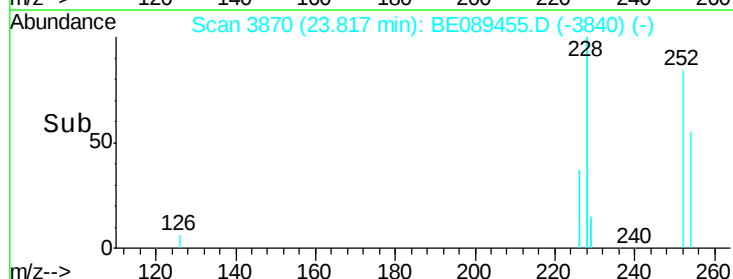
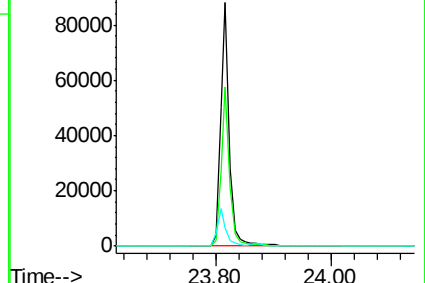
126 7.7 8.0 12.0#

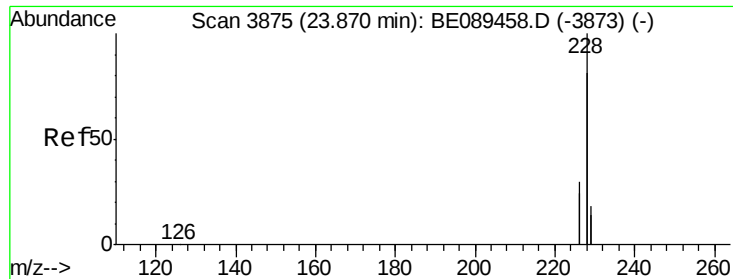


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 8.94 ng m

RT: 23.88 min Scan# 3877

Delta R.T. 0.01 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDICC010

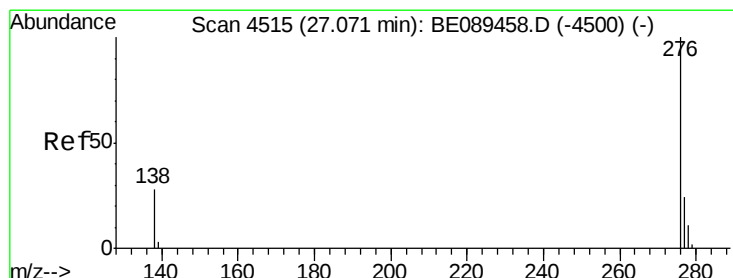
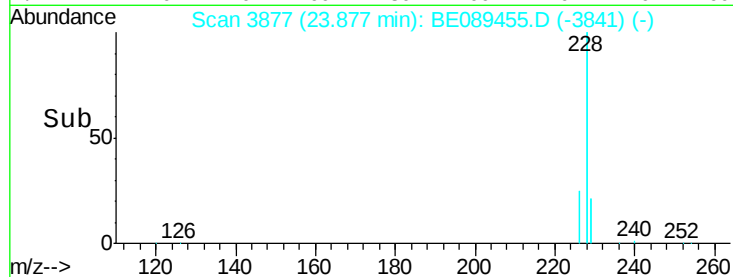
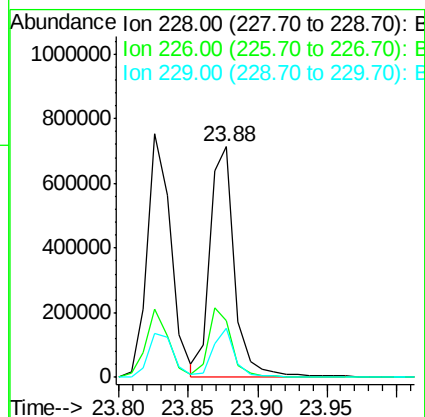
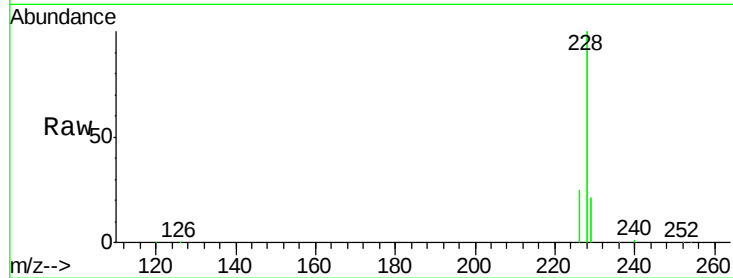
Tgt Ion:228 Resp: 903655

Ion Ratio Lower Upper

228 100

226 24.8 23.8 35.8

229 21.5 14.3 21.5#



#26

Indeno(1,2,3-cd)pyrene

Concen: 25.92 ng

RT: 27.07 min Scan# 4516

Delta R.T. 0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

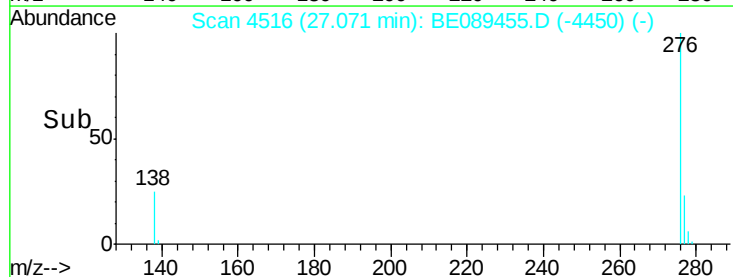
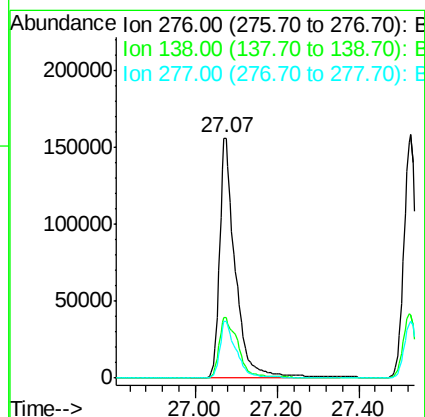
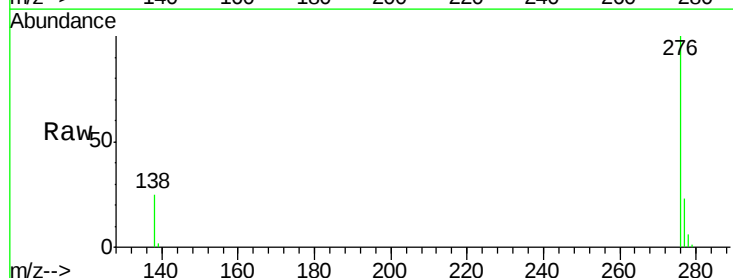
Tgt Ion:276 Resp: 418230

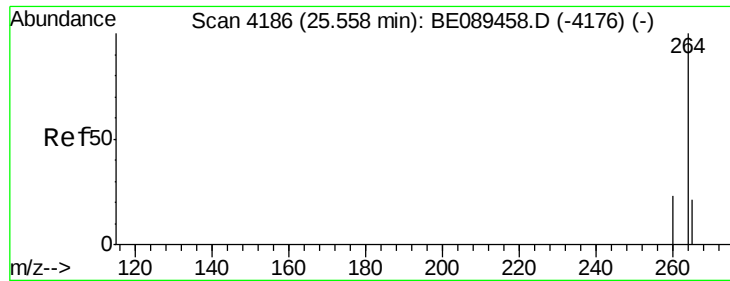
Ion Ratio Lower Upper

276 100

138 30.5 23.3 34.9

277 24.7 19.0 28.4





#27

Perylene-d12

Concen: 5.00 ng

RT: 25.56 min Scan# 4187

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDIC010

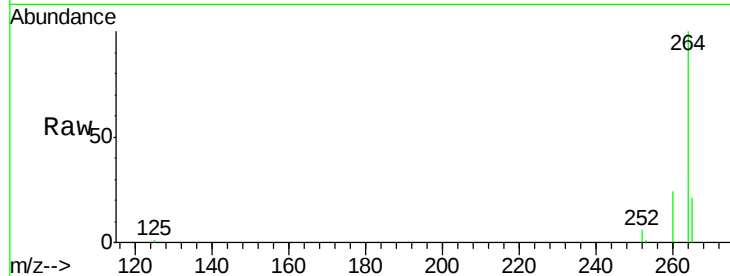
Tgt Ion:264 Resp: 128112

Ion Ratio Lower Upper

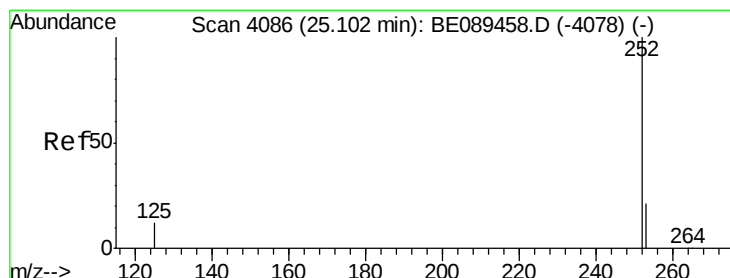
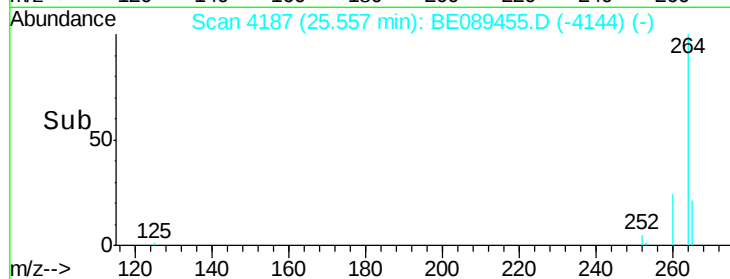
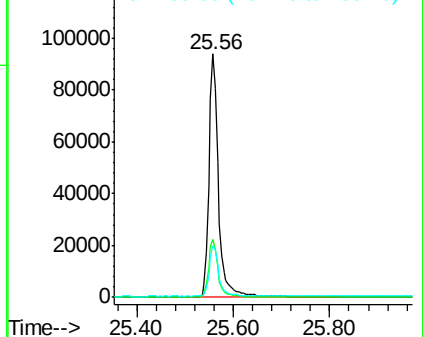
264 100

260 24.0 18.7 28.1

265 21.3 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#28

Benzo(b)fluoranthene

Concen: 22.89 ng

RT: 25.10 min Scan# 4087

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

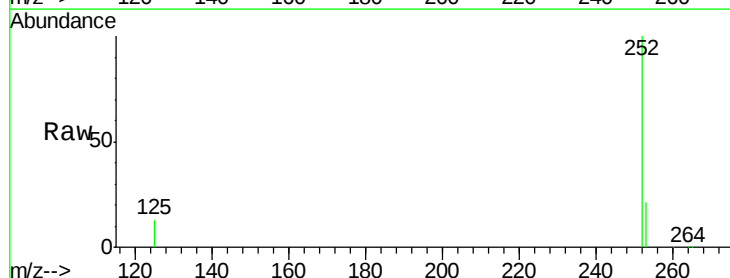
Tgt Ion:252 Resp: 263748

Ion Ratio Lower Upper

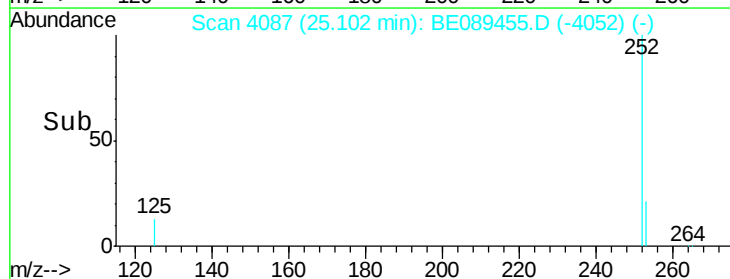
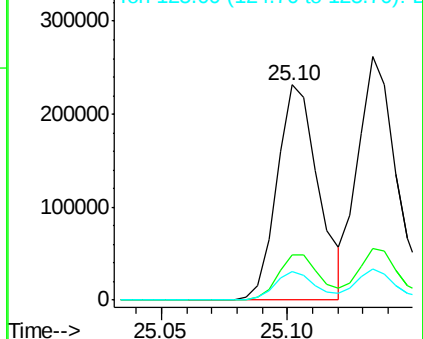
252 100

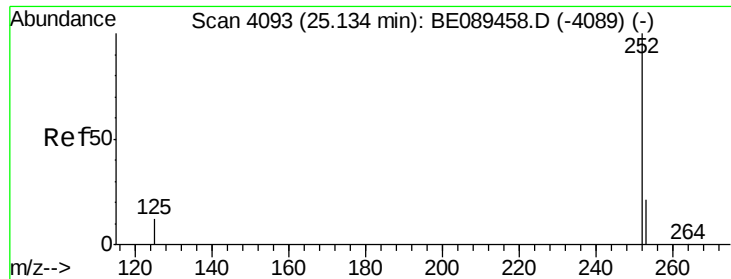
253 21.1 17.4 26.0

125 13.2 10.4 15.6



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





#29

Benzo(k)fluoranthene

Concen: 9.01 ng

RT: 25.13 min Scan# 4094

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDIC010

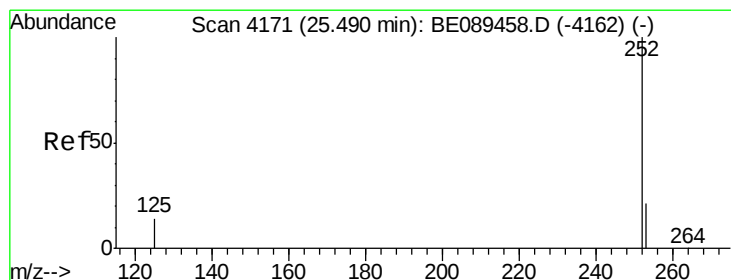
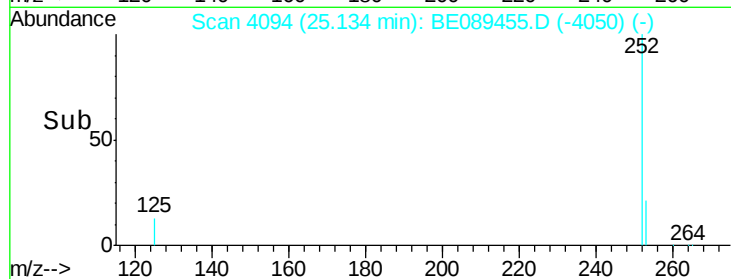
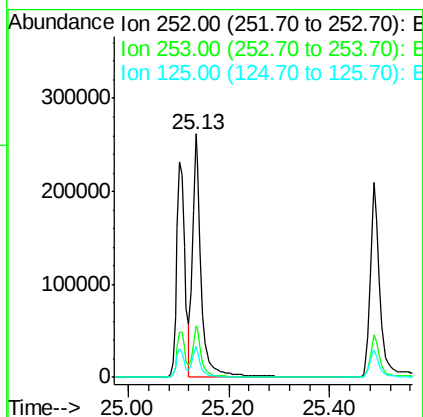
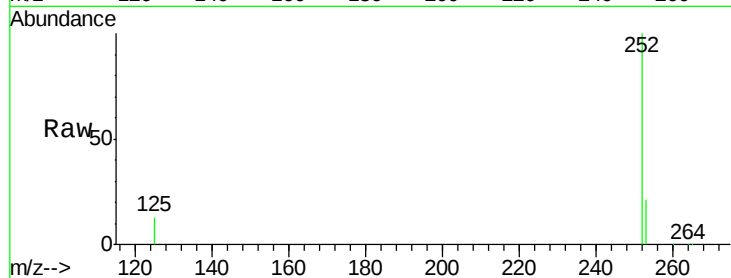
Tgt Ion:252 Resp: 312986

Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 12.9 10.3 15.5



#30

Benzo(a)pyrene

Concen: 18.24 ng

RT: 25.49 min Scan# 4172

Delta R.T. -0.00 min

Lab File: BE089455.D

Acq: 2 Feb 2015 14:32

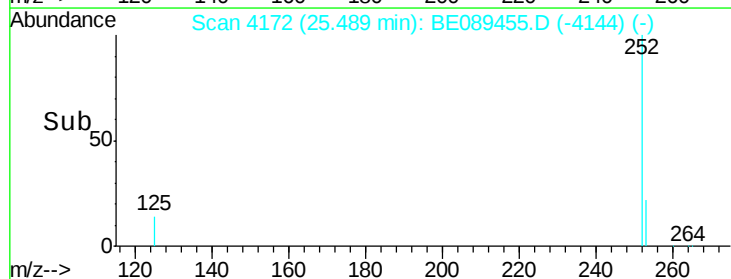
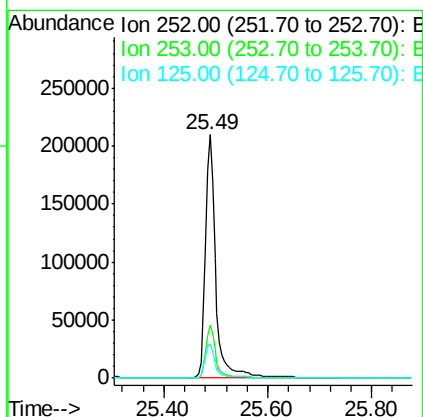
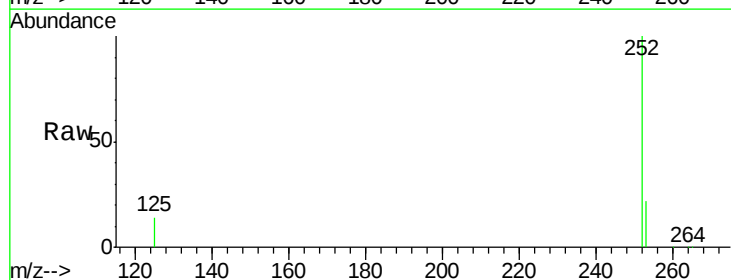
Tgt Ion:252 Resp: 284018

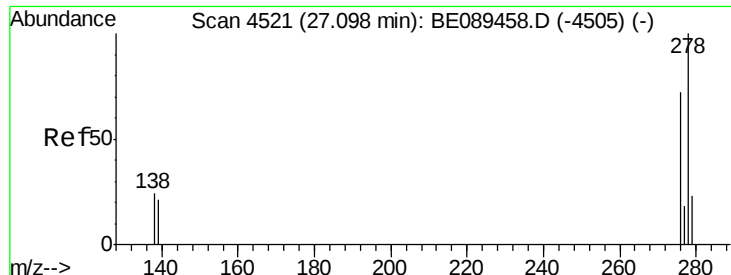
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 14.1 11.8 17.8





#31

Dibenzo(a,h)anthracene

Concen: 23.67 ng

RT: 27.10 min Scan# 4523

Delta R.T. 0.00 min

Lab File: BE089455.D

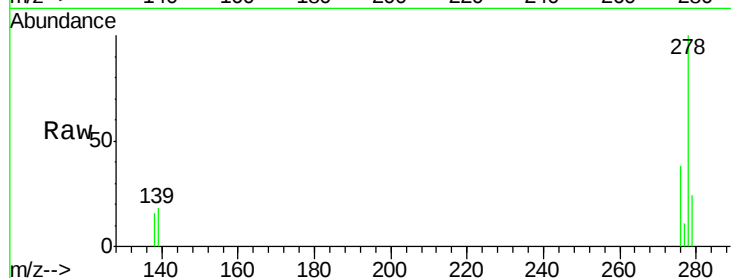
Acq: 2 Feb 2015 14:32

Instrument :

BNA_E

LabSampleId :

SSTDIC010



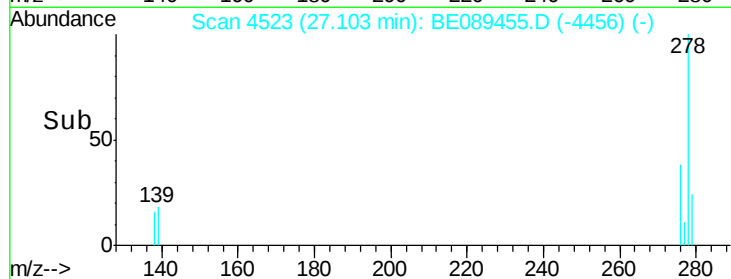
Tgt Ion: 278 Resp: 360933

Ion Ratio Lower Upper

278 100

139 18.4 17.1 25.7

279 23.7 18.8 28.2



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

