

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BE089461.D
 Acq On : 2 Feb 2015 18:31
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Quant Time: Feb 03 03:39:12 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	40363	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	148573	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	54472	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	95160	5.00	ng	0.00
20) Chrysene-d12	23.84	240	125834	5.00	ng	0.00
27) Perylene-d12	25.56	264	144870	5.00	ng	0.00

System Monitoring Compounds						
3) 2-Fluorophenol	6.75	112	2778	0.20	ng	0.00
4) Phenol-d6	8.87	99	3202	0.19	ng	0.00
8) Nitrobenzene-d5	10.84	82	2161	0.18	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	252	0.14	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	3145	0.21	ng	0.00
22) Terphenyl-d14	22.48	244	2872	0.18	ng	0.00

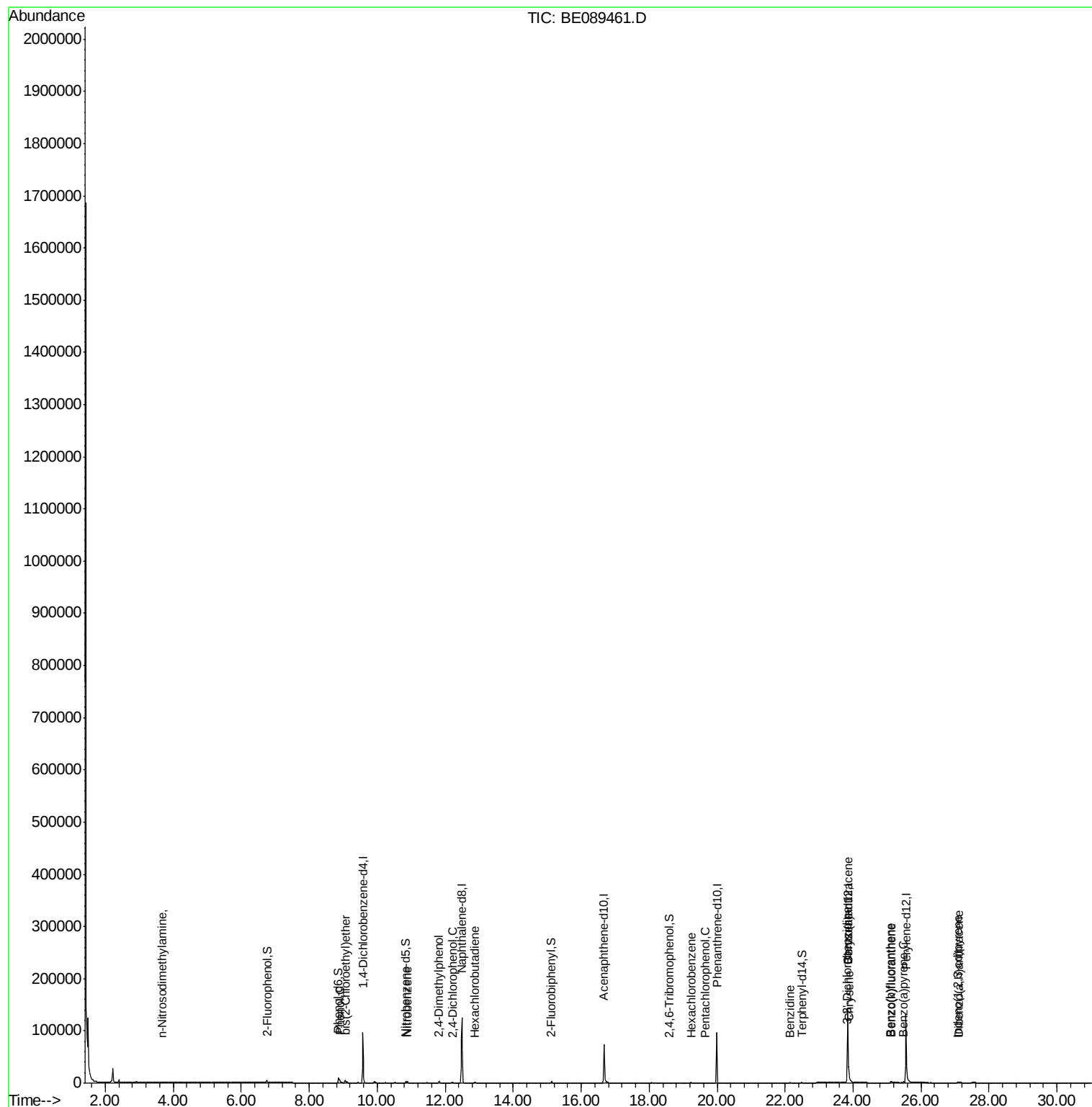
Target Compounds				Qvalue		
2) n-Nitrosodimethylamine	3.68	42	1204m	0.17	ng	
5) Phenol	8.90	94	3454	0.19	ng	96
6) bis(2-Chloroethyl)ether	9.06	93	2545	0.19	ng	# 96
9) Nitrobenzene	10.89	77	2425	0.18	ng	99
10) 2,4-Dimethylphenol	11.83	122	1736	0.18	ng	97
11) 2,4-Dichlorophenol	12.21	162	1344	0.19	ng	82
12) Hexachlorobutadiene	12.87	225	1005	0.21	ng	99
18) Hexachlorobenzene	19.23	284	1057	0.21	ng	92
19) Pentachlorophenol	19.67	266	83	0.09	ng	# 71
21) Benzidine	22.15	184	936	0.11	ng	# 86
23) Benzo(a)anthracene	23.83	228	18740m	0.19	ng	
24) 3,3'-Dichlorobenzidine	23.82	252	1265	0.17	ng	# 92
25) Chrysene	23.87	228	26752	0.21	ng	97
26) Indeno(1,2,3-cd)pyrene	27.07	276	4729m	0.23	ng	
28) Benzo(b)fluoranthene	25.10	252	2214	0.17	ng	# 82
29) Benzo(k)fluoranthene	25.13	252	7875m	0.20	ng	
30) Benzo(a)pyrene	25.48	252	2697	0.15	ng	# 81
31) Dibenzo(a,h)anthracene	27.10	278	2655	0.15	ng	# 82

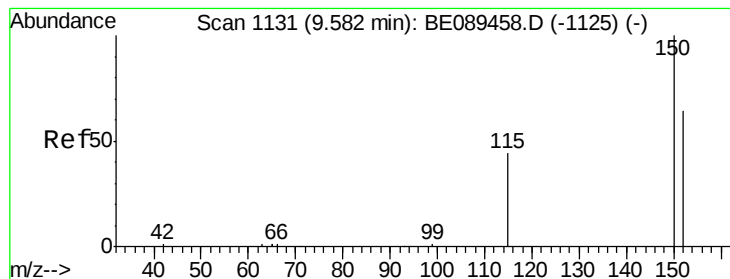
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089461.D

Acq: 2 Feb 2015 18:31

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

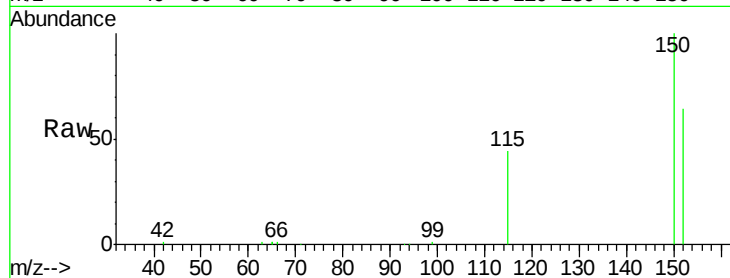
Tgt Ion:152 Resp: 40363

Ion Ratio Lower Upper

152 100

150 155.8 124.6 186.8

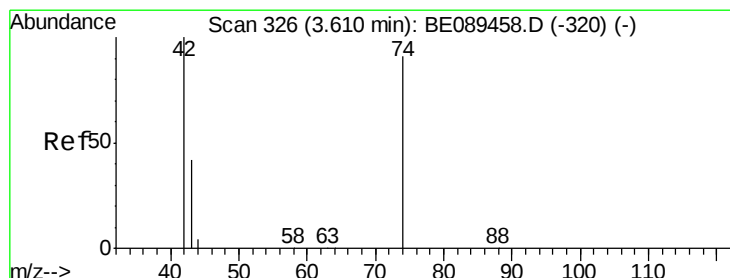
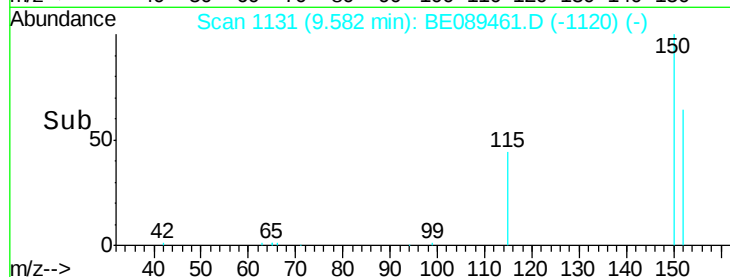
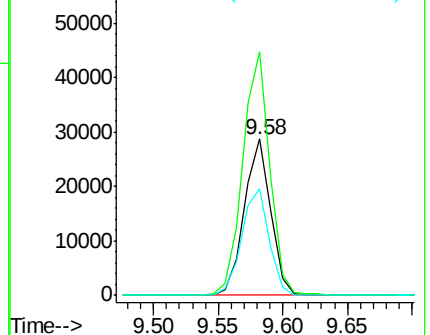
115 68.6 55.4 83.0



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: 0.17 ng m

RT: 3.68 min Scan# 336

Delta R.T. 0.07 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

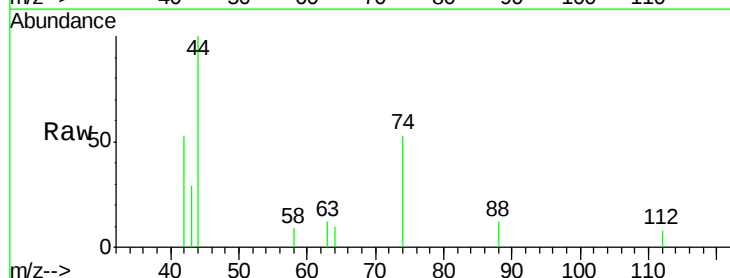
Tgt Ion: 42 Resp: 1204

Ion Ratio Lower Upper

42 100

74 99.2 72.1 108.1

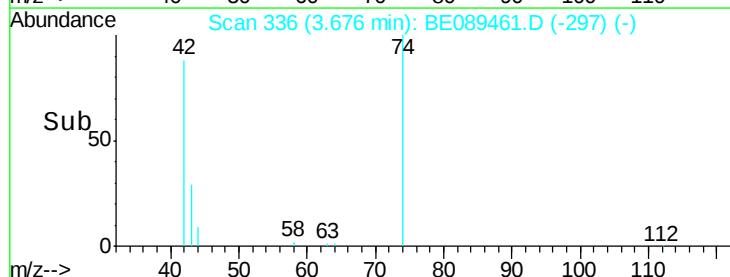
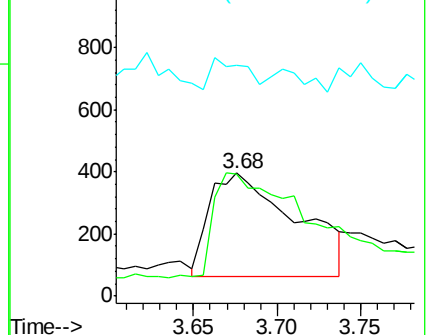
44 187.9 28.0 42.0#

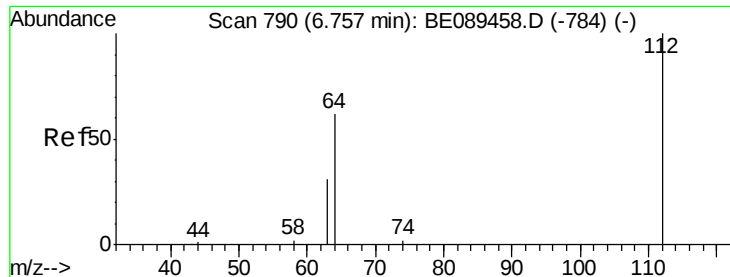


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#3

2-Fluorophenol

Concen: 0.20 ng

RT: 6.75 min Scan# 790

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

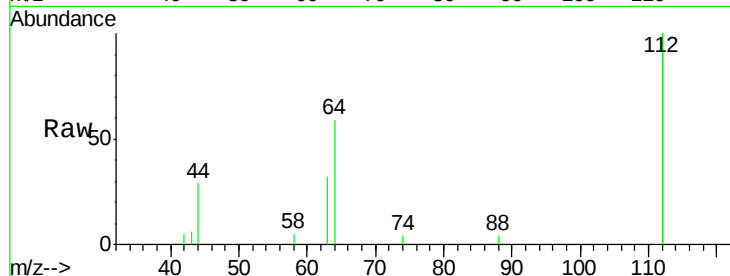
Tgt Ion: 112 Resp: 2778

Ion Ratio Lower Upper

112 100

64 59.3 49.8 74.8

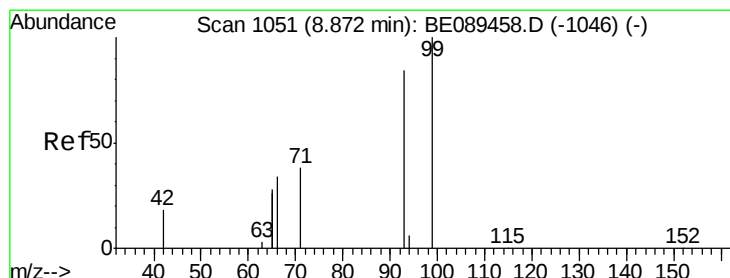
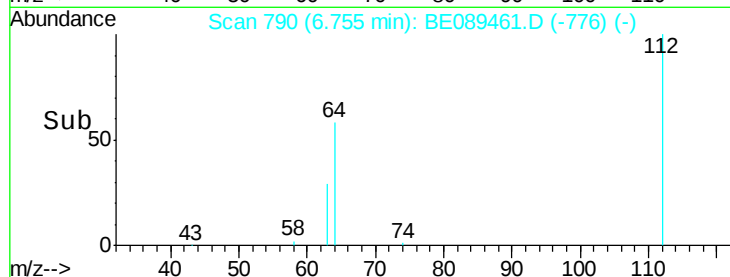
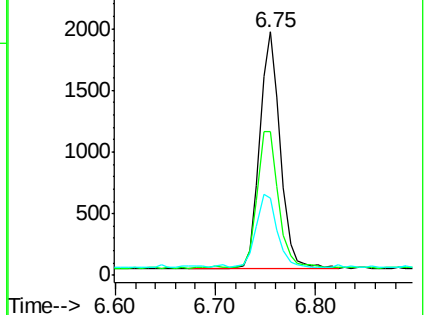
63 31.5 24.9 37.3



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: 0.19 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

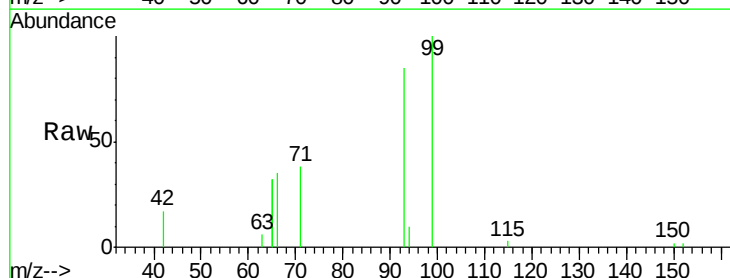
Tgt Ion: 99 Resp: 3202

Ion Ratio Lower Upper

99 100

42 17.5 15.0 22.4

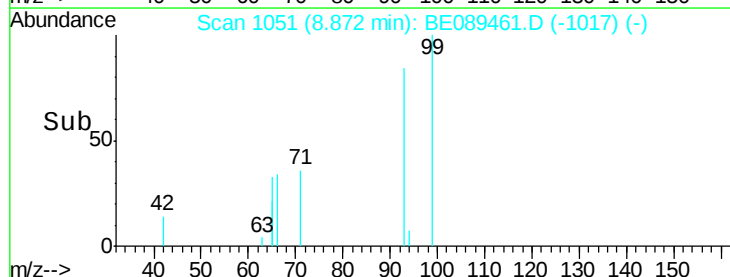
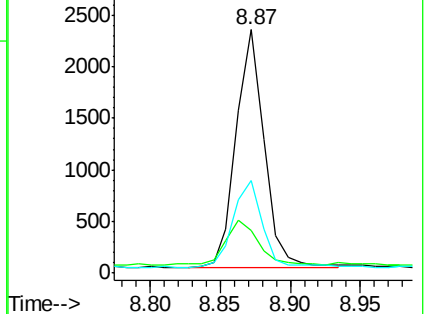
71 38.0 30.6 46.0

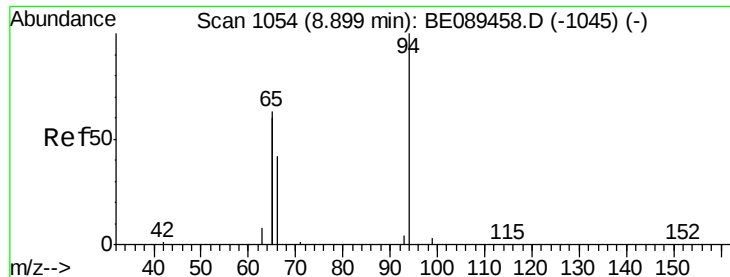


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#5

Phenol

Concen: 0.19 ng

RT: 8.90 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

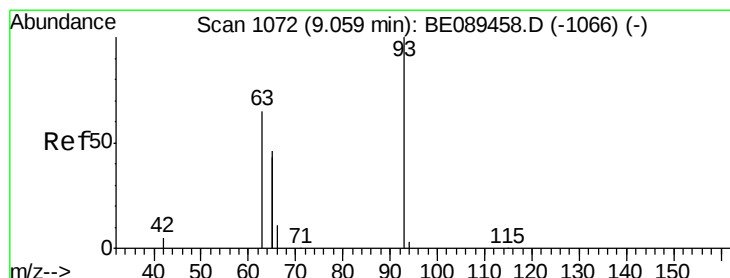
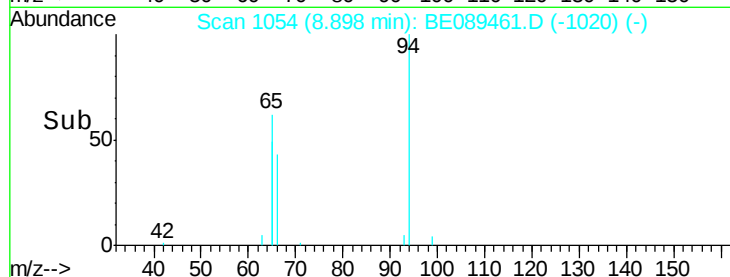
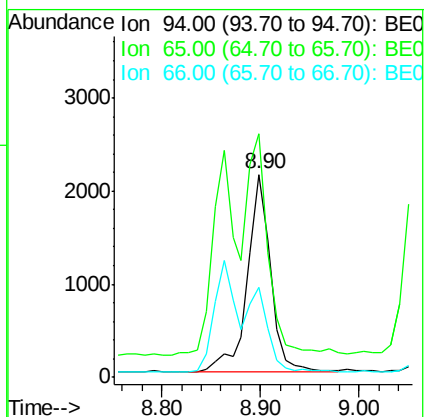
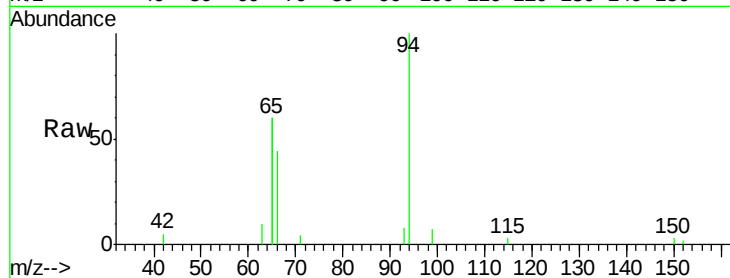
Tgt Ion: 94 Resp: 3454

Ion Ratio Lower Upper

94 100

65 119.8 105.0 145.0

66 44.3 22.4 62.4



#6

bis(2-Chloroethyl)ether

Concen: 0.19 ng

RT: 9.06 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

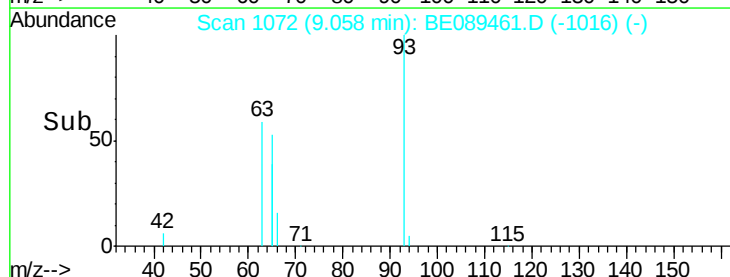
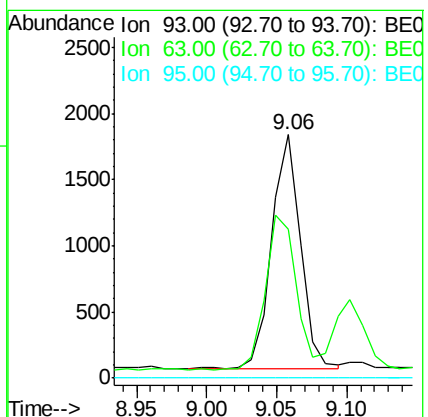
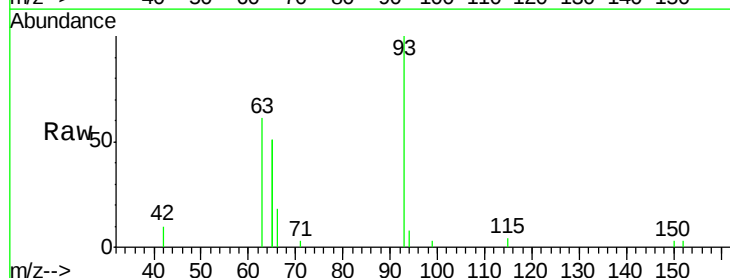
Tgt Ion: 93 Resp: 2545

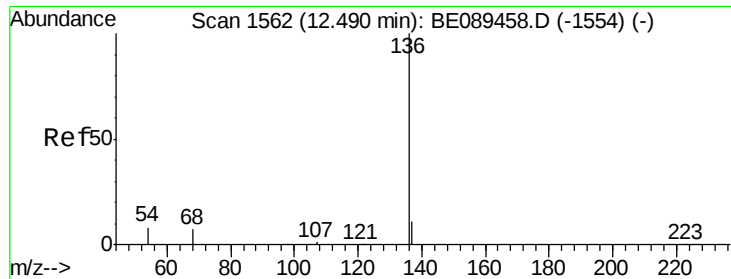
Ion Ratio Lower Upper

93 100

63 70.9 59.2 88.8

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.49 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

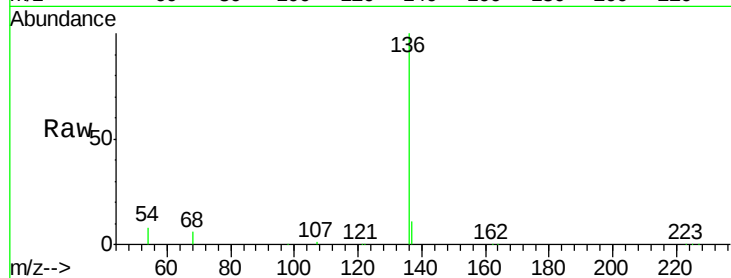
Tgt Ion: 136 Resp: 148573

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

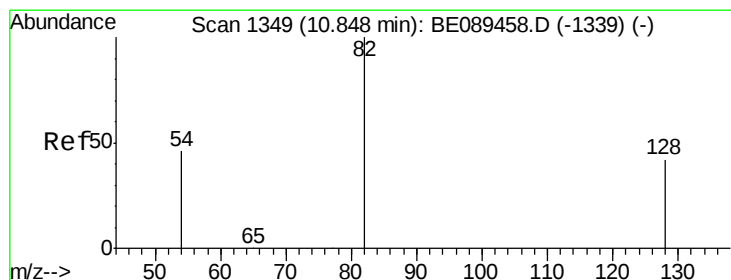
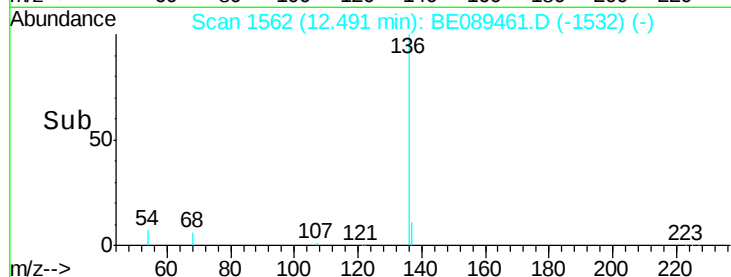
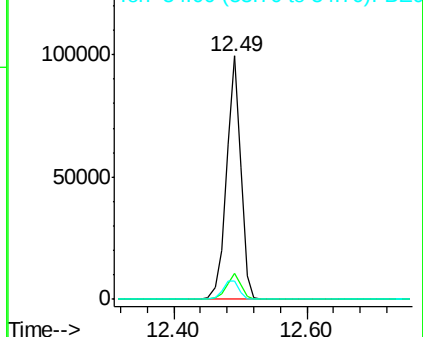
54 7.5 6.5 9.7



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: 0.18 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

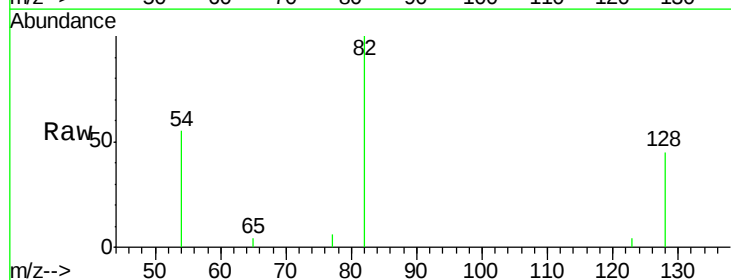
Tgt Ion: 82 Resp: 2161

Ion Ratio Lower Upper

82 100

128 45.1 34.2 51.2

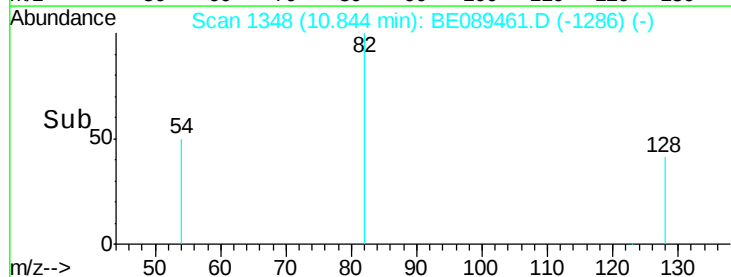
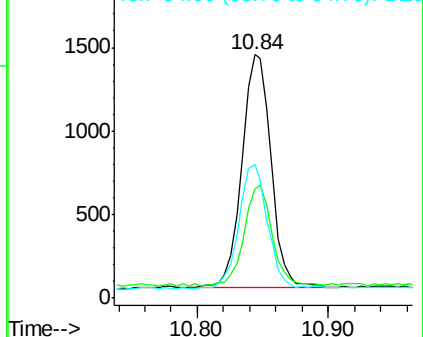
54 54.6 37.3 55.9

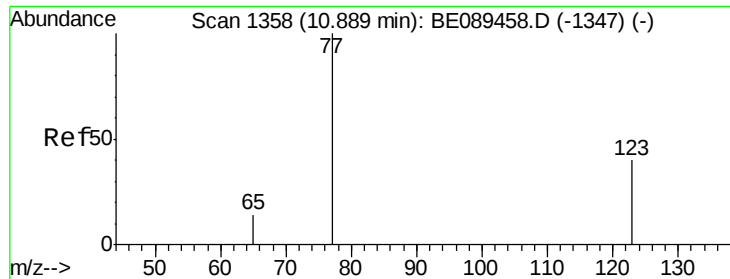


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.18 ng

RT: 10.89 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

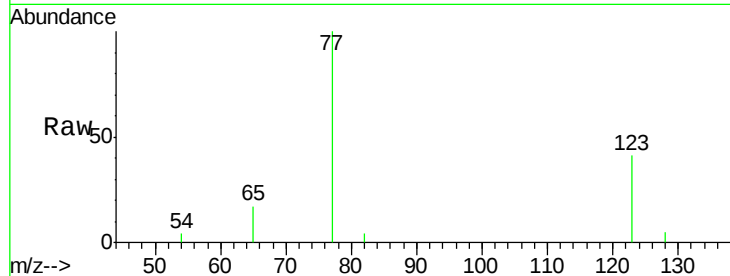
Tgt Ion: 77 Resp: 2425

Ion Ratio Lower Upper

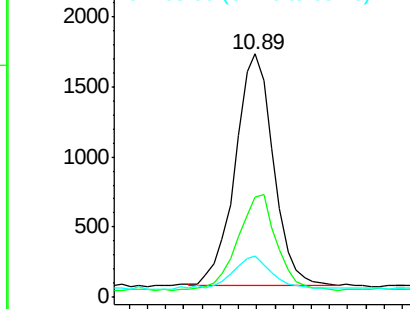
77 100

123 41.9 33.6 50.4

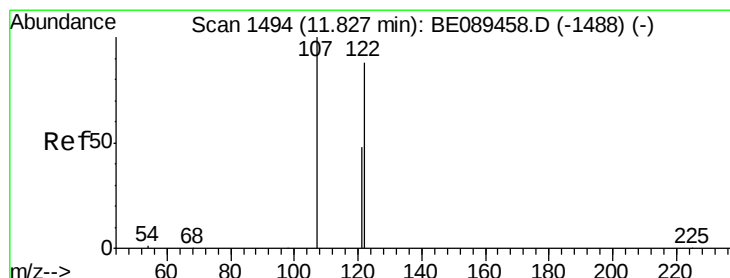
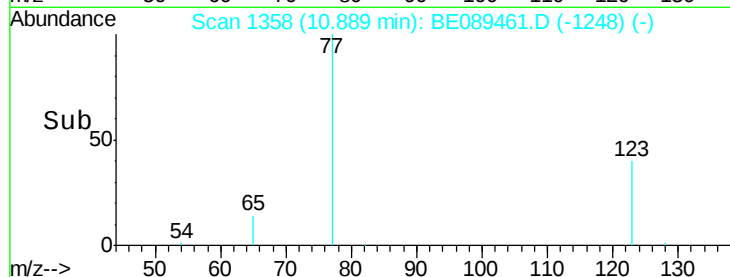
65 14.9 11.0 16.6



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-->



#10

2,4-Dimethylphenol

Concen: 0.18 ng

RT: 11.83 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

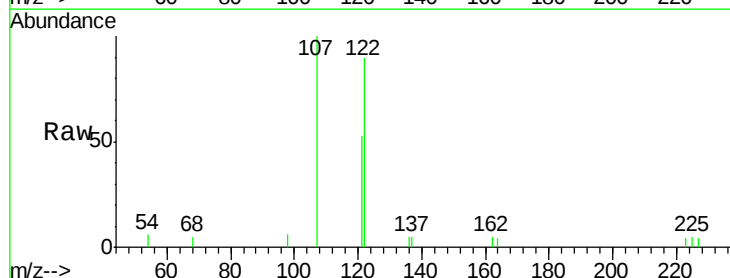
Tgt Ion: 122 Resp: 1736

Ion Ratio Lower Upper

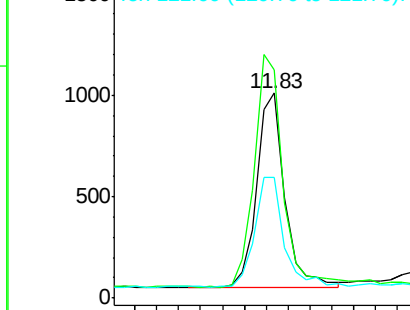
122 100

107 111.6 90.6 136.0

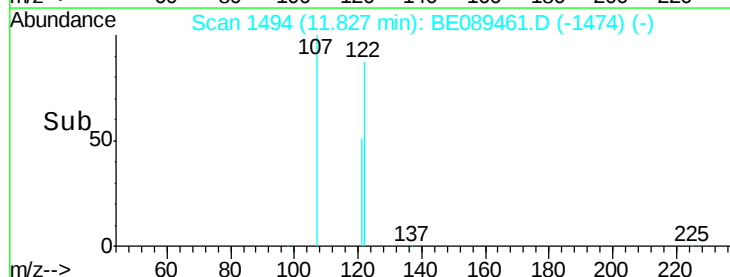
121 59.2 43.7 65.5

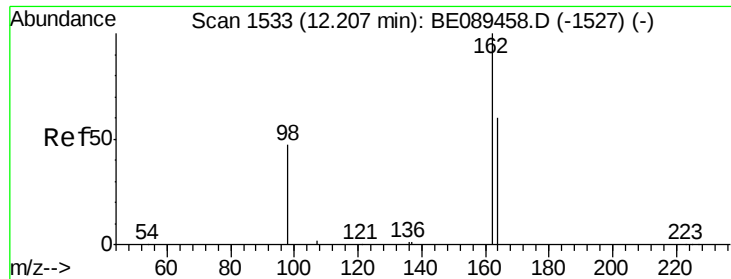


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



Time-->

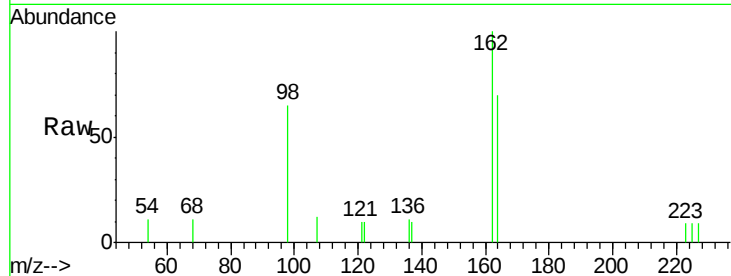




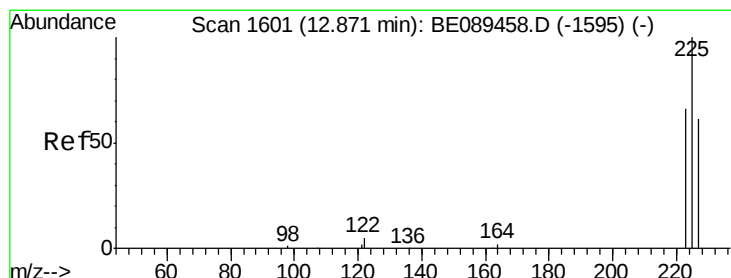
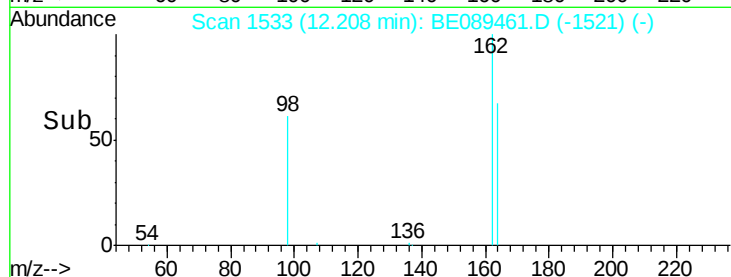
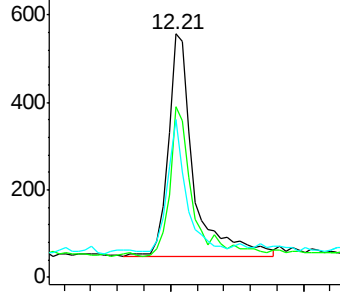
#11
 2,4-Dichlorophenol
 Concen: 0.19 ng
 RT: 12.21 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: BE089461.D
 Acq: 2 Feb 2015 18:31

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion:162 Resp: 1344
 Ion Ratio Lower Upper
 162 100
 164 70.0 40.5 80.5
 98 65.0 28.1 68.1

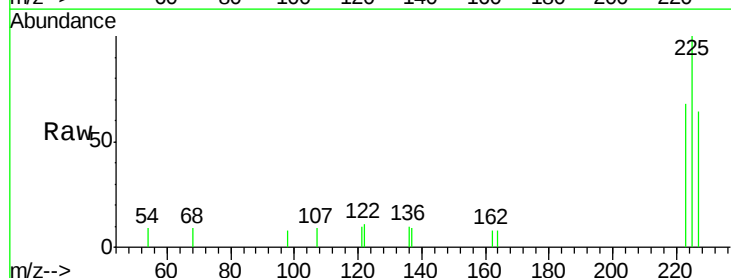


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): E

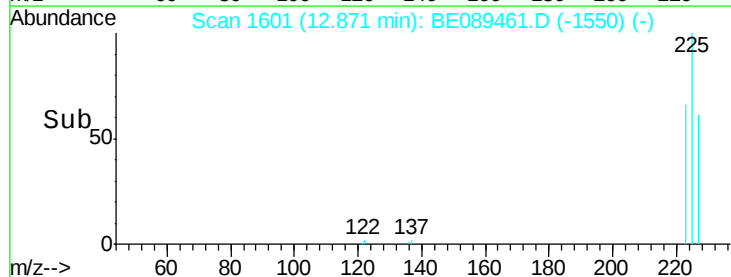
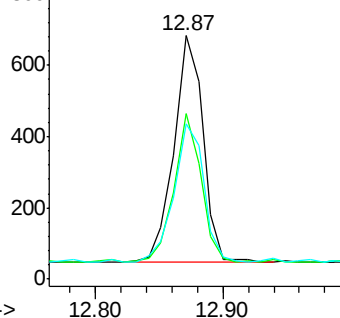


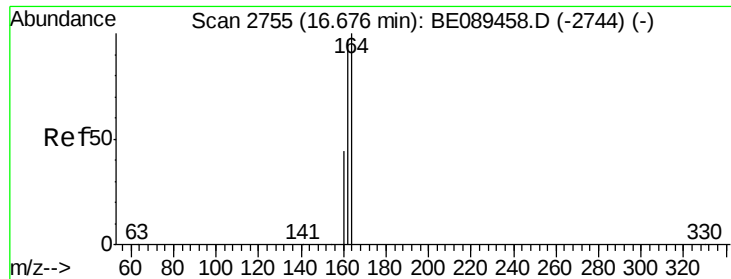
#12
 Hexachlorobutadiene
 Concen: 0.21 ng
 RT: 12.87 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: BE089461.D
 Acq: 2 Feb 2015 18:31

Tgt Ion:225 Resp: 1005
 Ion Ratio Lower Upper
 225 100
 223 60.6 50.2 75.2
 227 62.6 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: BE089461.D

Acq: 2 Feb 2015 18:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

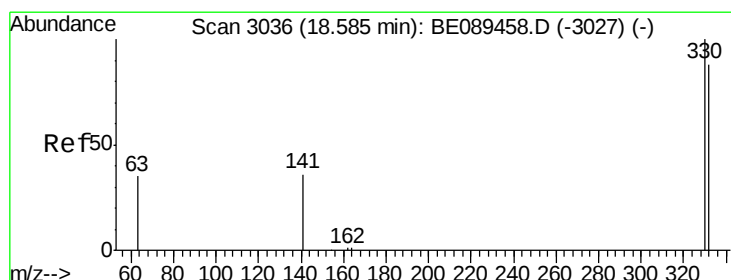
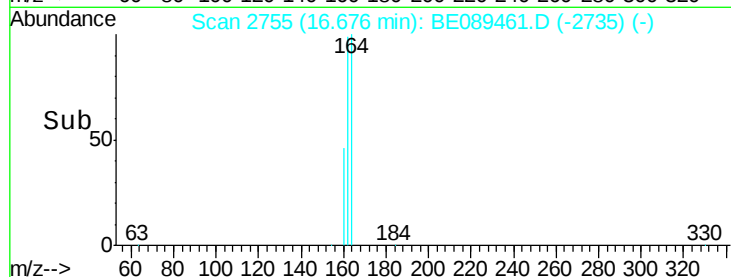
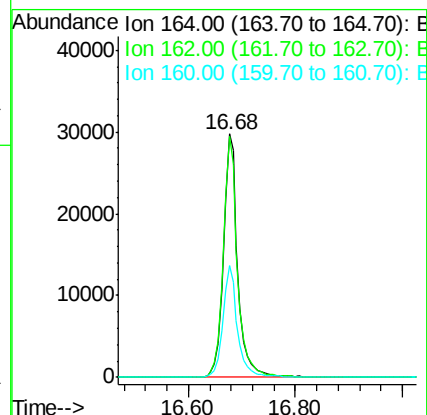
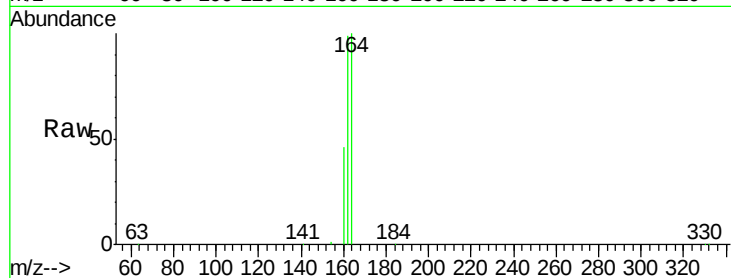
Tgt Ion:164 Resp: 54472

Ion Ratio Lower Upper

164 100

162 98.9 77.4 116.2

160 46.0 35.5 53.3



#14

2,4,6-Tribromophenol

Concen: 0.14 ng

RT: 18.59 min Scan# 3037

Delta R.T. 0.01 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

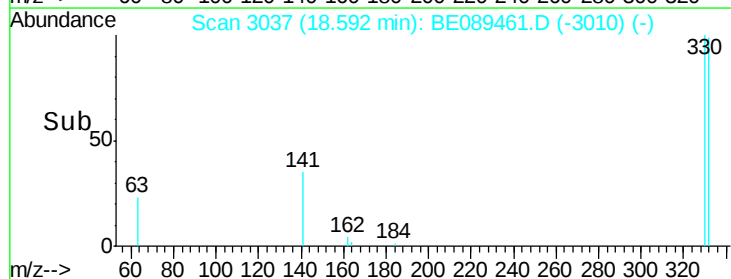
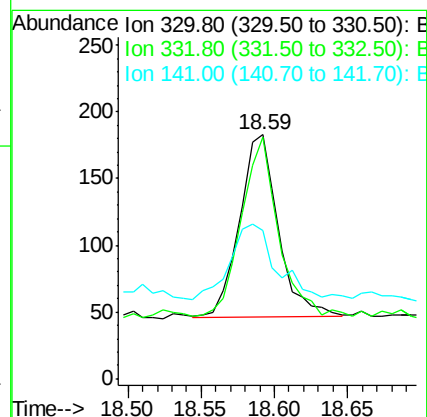
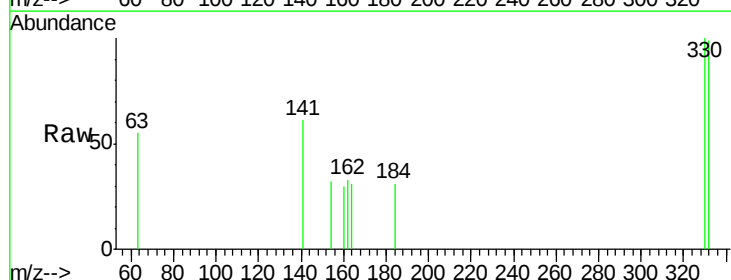
Tgt Ion:330 Resp: 252

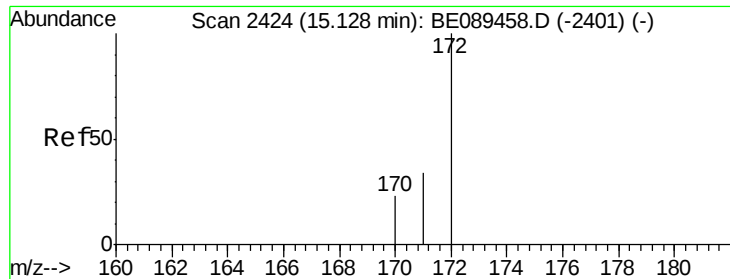
Ion Ratio Lower Upper

330 100

332 94.8 75.4 113.2

141 53.2 35.7 53.5

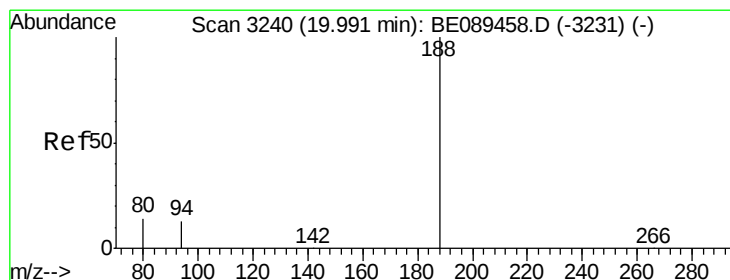
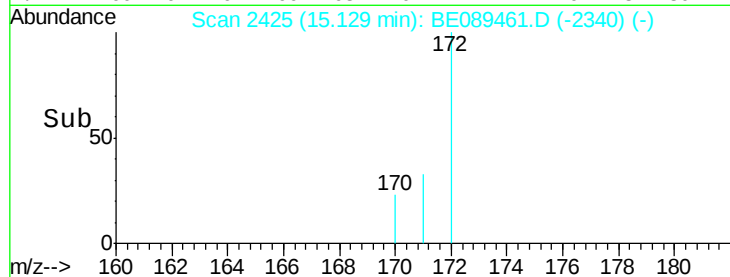
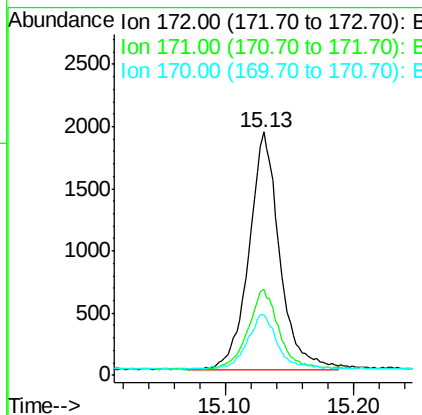
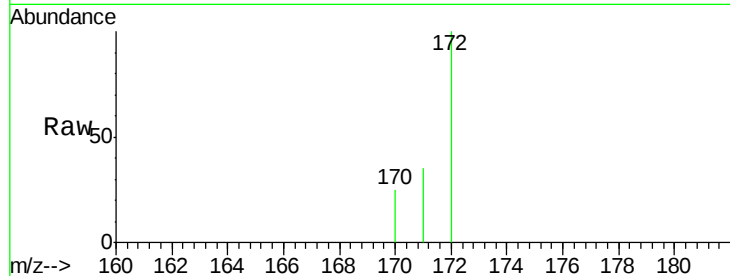




#15
2-Fluorobiphenyl
Concen: 0.21 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 2 Feb 2015 18:31

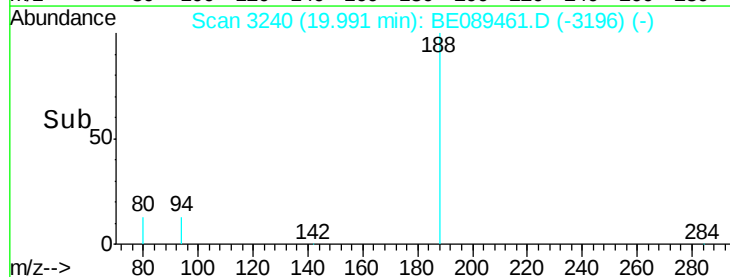
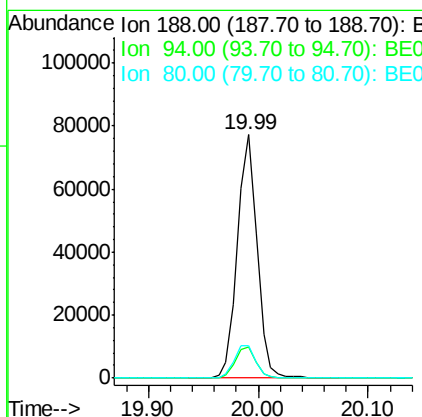
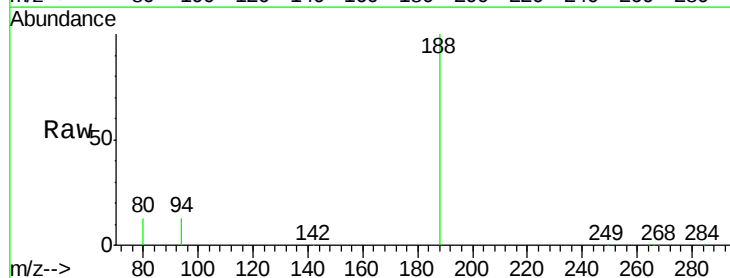
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

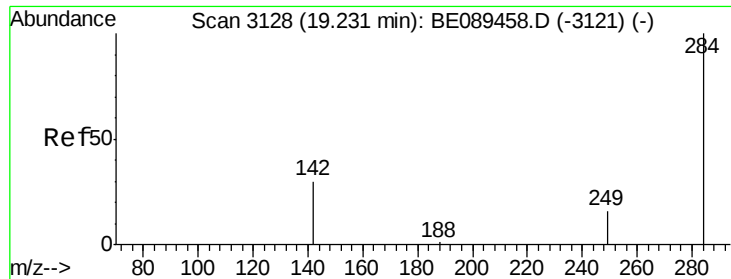
Tgt Ion:172 Resp: 3145
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 24.9 18.3 27.5



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 2 Feb 2015 18:31

Tgt Ion:188 Resp: 95160
Ion Ratio Lower Upper
188 100
94 12.6 10.2 15.4
80 13.2 10.9 16.3

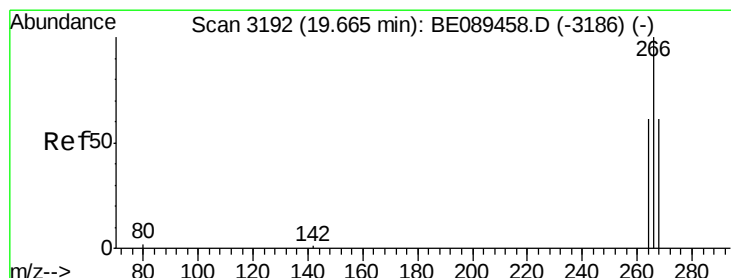
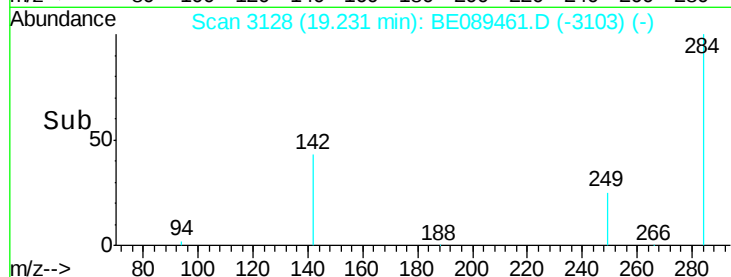
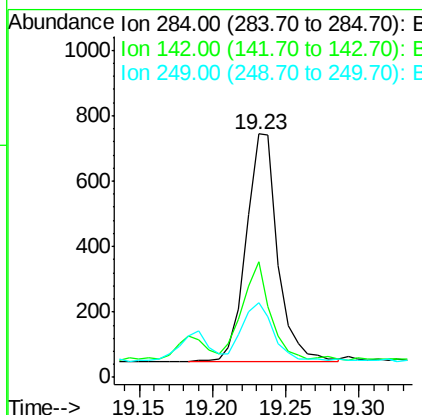
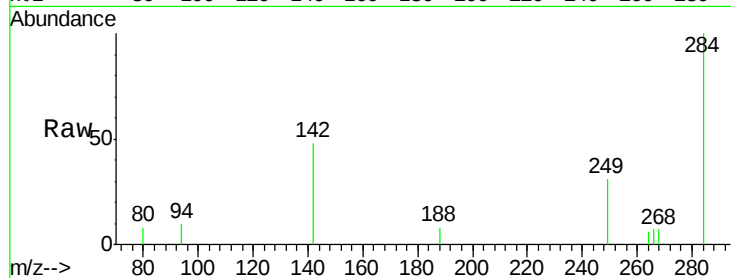




#18
Hexachlorobenzene
Concen: 0.21 ng
RT: 19.23 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 2 Feb 2015 18:31

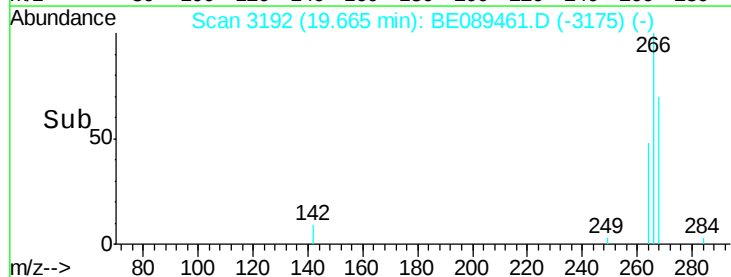
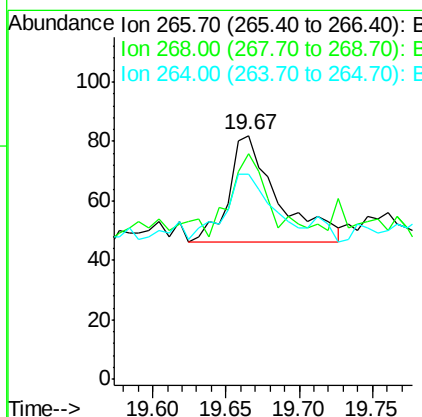
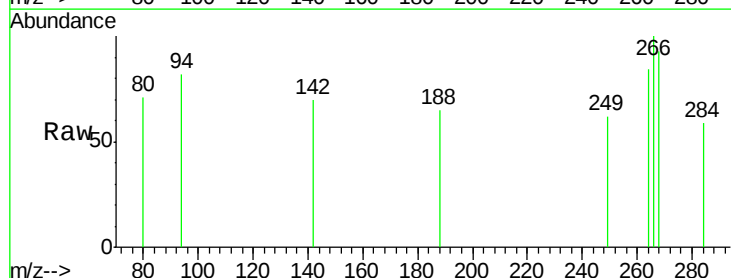
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

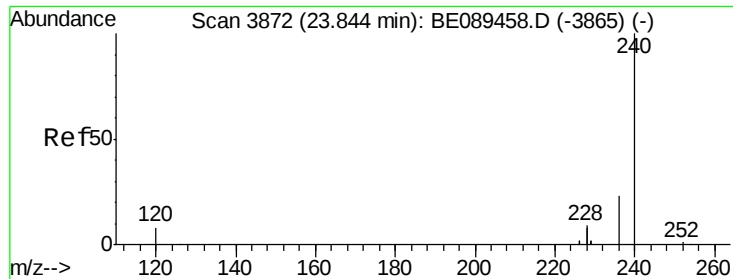
Tgt Ion: 284 Resp: 1057
Ion Ratio Lower Upper
284 100
142 47.7 31.8 47.8
249 30.5 23.5 35.3



#19
Pentachlorophenol
Concen: 0.09 ng
RT: 19.67 min Scan# 3192
Delta R.T. 0.00 min
Lab File: BE089461.D
Acq: 2 Feb 2015 18:31

Tgt Ion: 266 Resp: 83
Ion Ratio Lower Upper
266 100
268 92.7 52.6 78.8#
264 84.1 52.2 78.2#

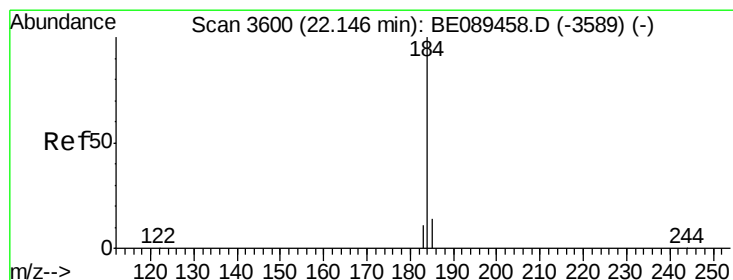
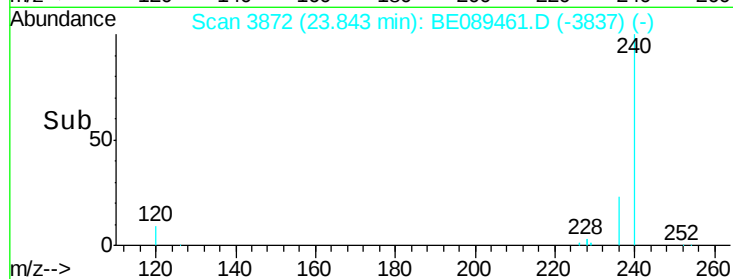
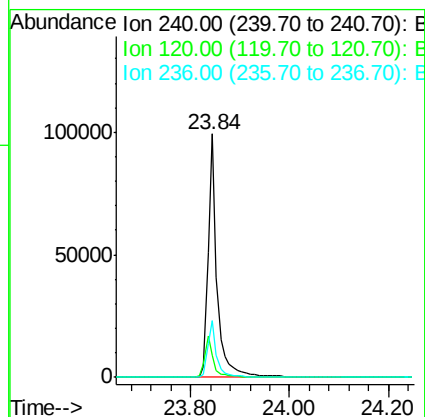
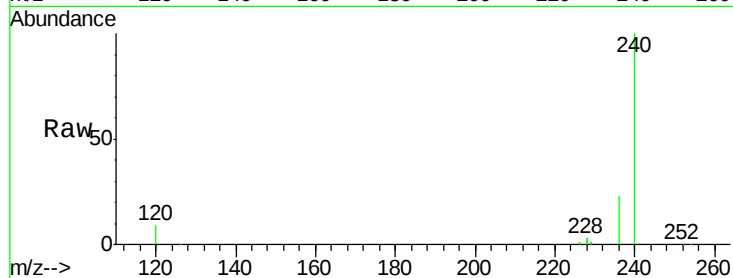




#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 3872
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 2 Feb 2015 18:31

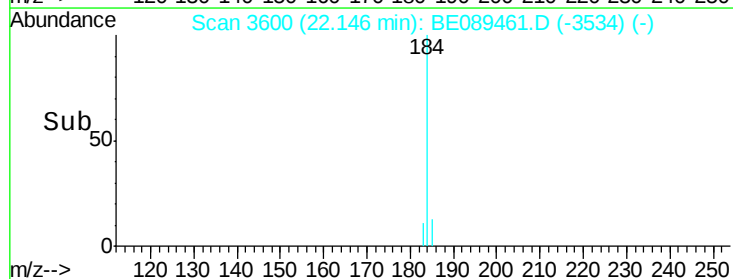
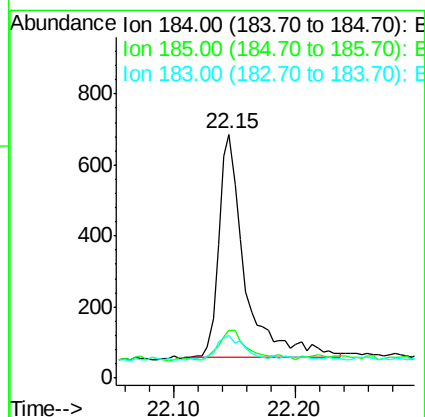
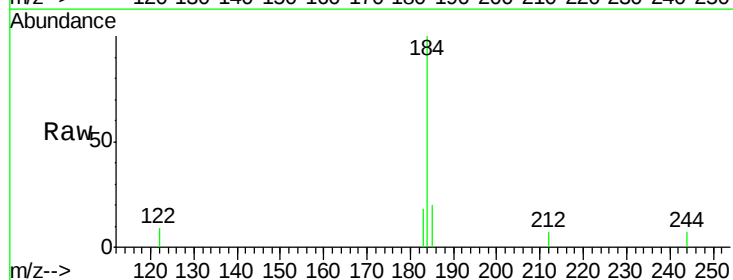
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

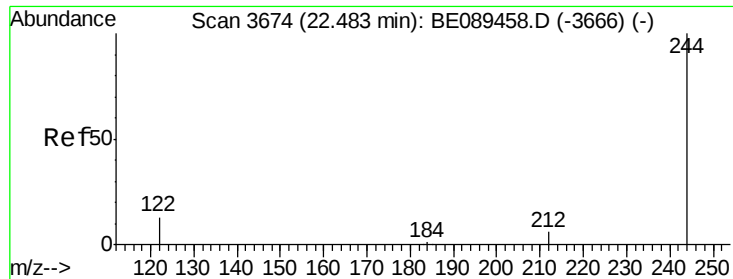
Tgt Ion:240 Resp: 125834
Ion Ratio Lower Upper
240 100
120 9.2 6.2 9.4
236 23.2 18.2 27.4



#21
Benzidine
Concen: 0.11 ng
RT: 22.15 min Scan# 3600
Delta R.T. -0.00 min
Lab File: BE089461.D
Acq: 2 Feb 2015 18:31

Tgt Ion:184 Resp: 936
Ion Ratio Lower Upper
184 100
185 19.7 11.7 17.5#
183 17.6 9.4 14.0#

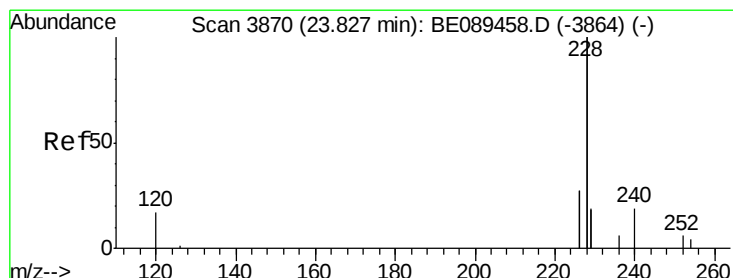
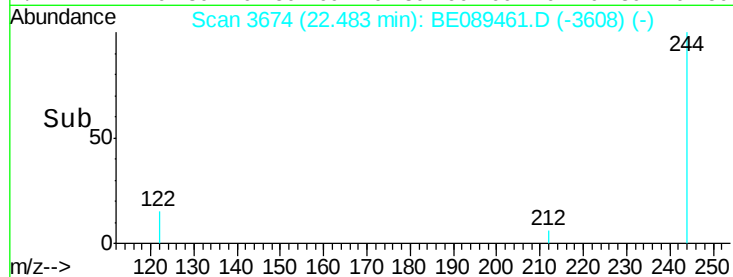
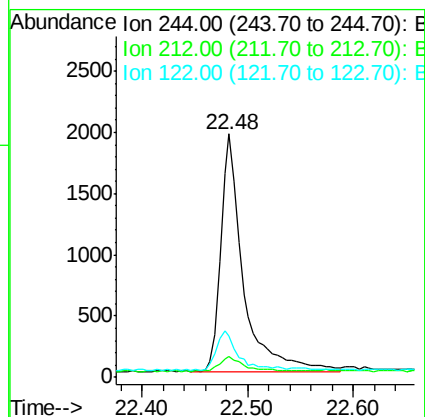
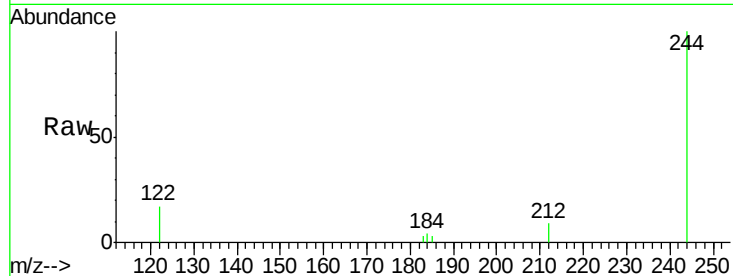




#22
 Terphenyl-d14
 Concen: 0.18 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. -0.00 min
 Lab File: BE089461.D
 Acq: 2 Feb 2015 18:31

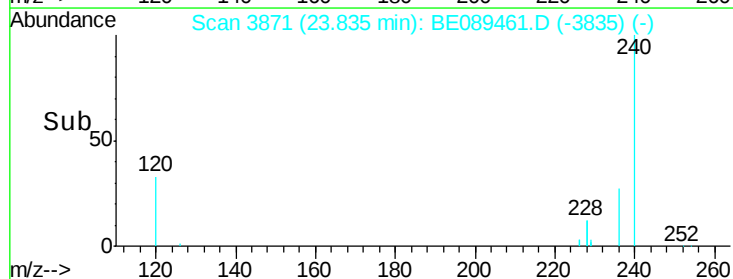
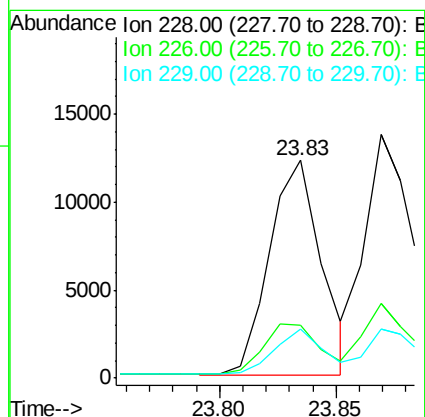
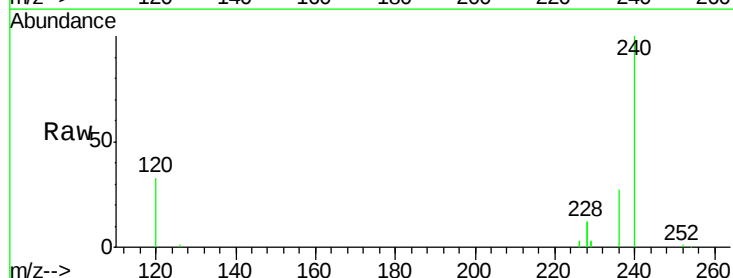
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

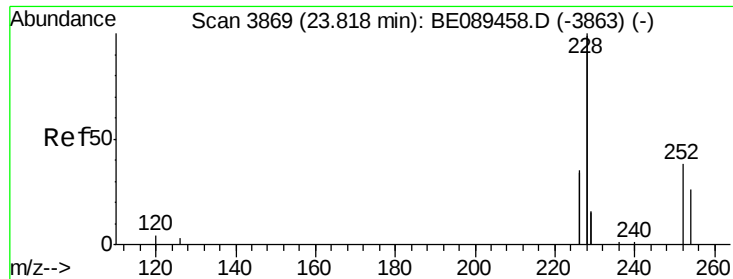
Tgt Ion: 244 Resp: 2872
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.3 7.9#
 122 16.9 10.5 15.7#



#23
 Benzo(a)anthracene
 Concen: 0.19 ng m
 RT: 23.83 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BE089461.D
 Acq: 2 Feb 2015 18:31

Tgt Ion: 228 Resp: 18740
 Ion Ratio Lower Upper
 228 100
 226 24.2 21.7 32.5
 229 22.6 14.8 22.2#





#24

3,3'-Dichlorobenzidine

Concen: 0.17 ng

RT: 23.82 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

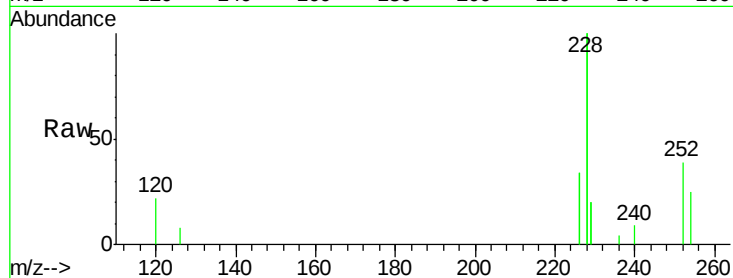
Tgt Ion: 252 Resp: 1265

Ion Ratio Lower Upper

252 100

254 64.6 54.6 82.0

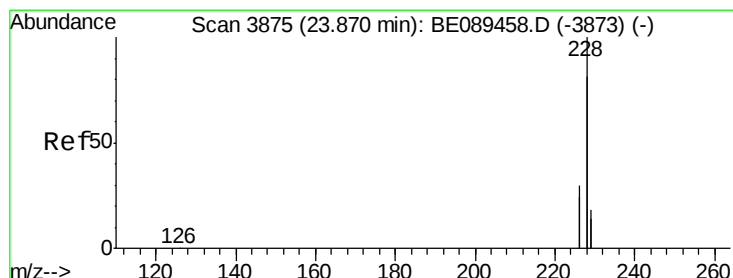
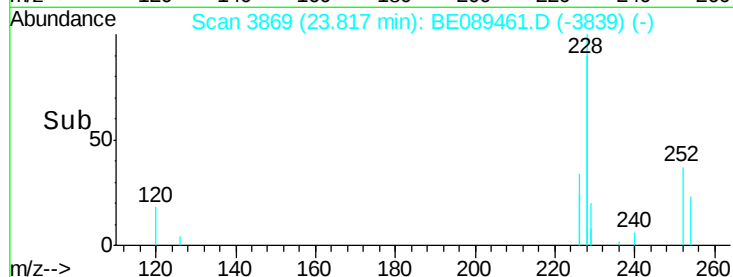
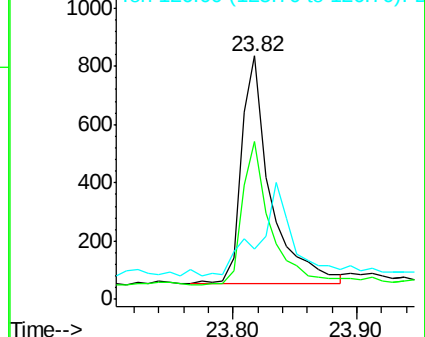
126 20.9 8.0 12.0#



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: 0.21 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

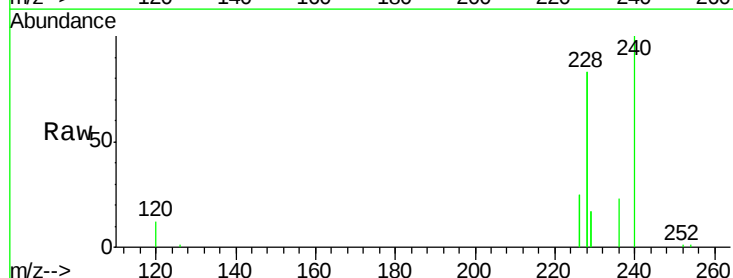
Tgt Ion: 228 Resp: 26752

Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.8

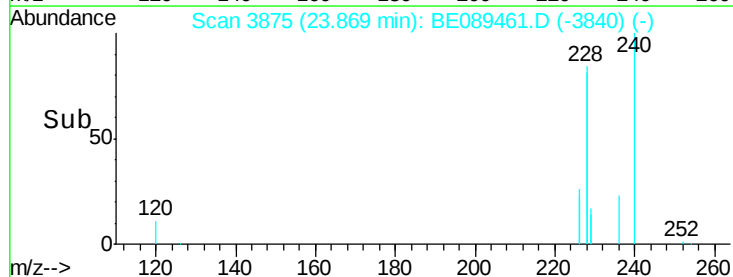
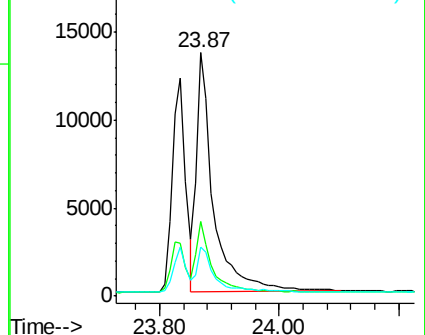
229 20.2 14.3 21.5

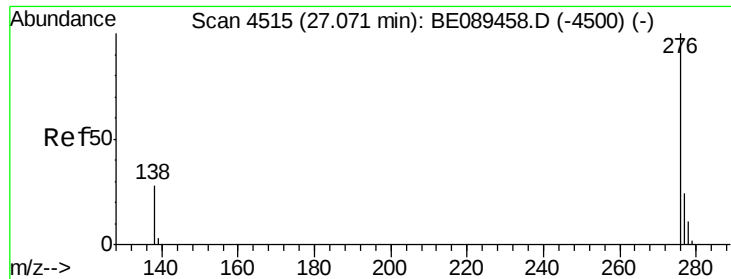


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

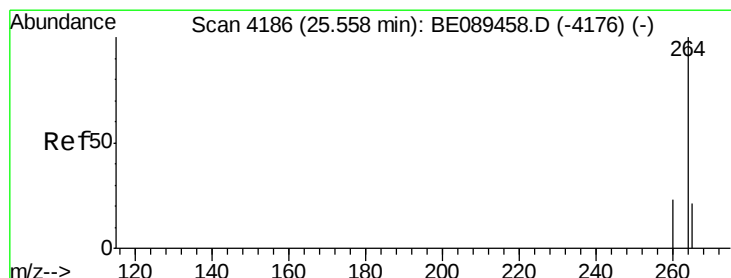
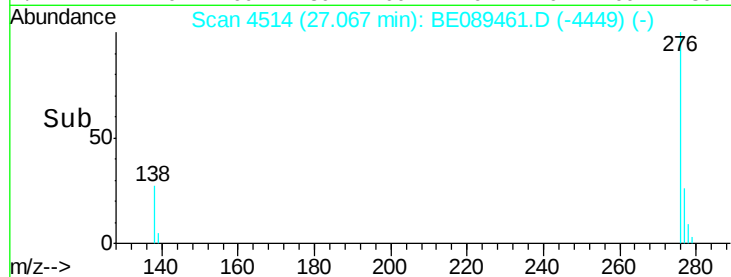
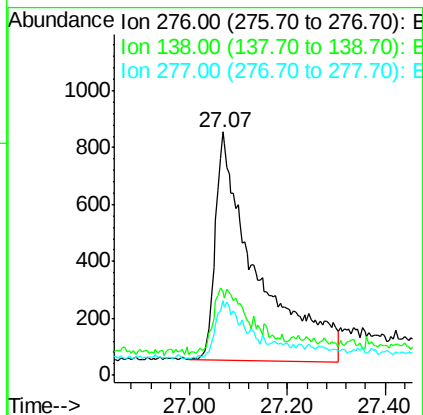
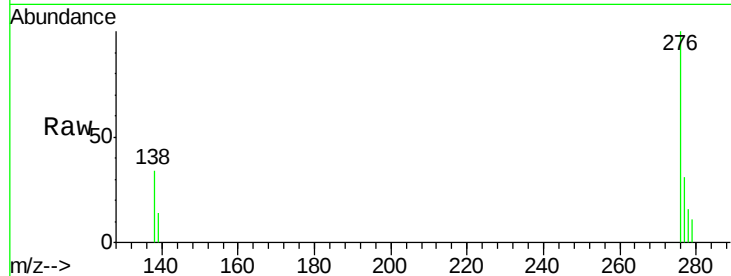




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.23 ng m
 RT: 27.07 min Scan# 4514
 Delta R.T. -0.00 min
 Lab File: BE089461.D
 Acq: 2 Feb 2015 18:31

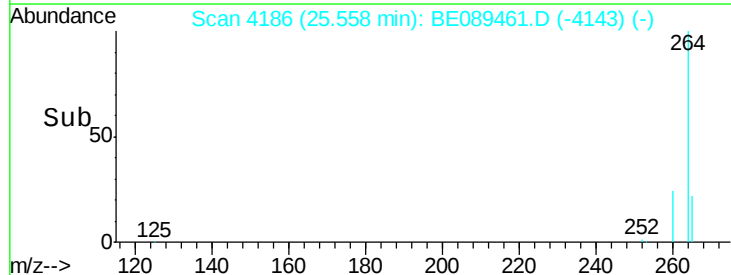
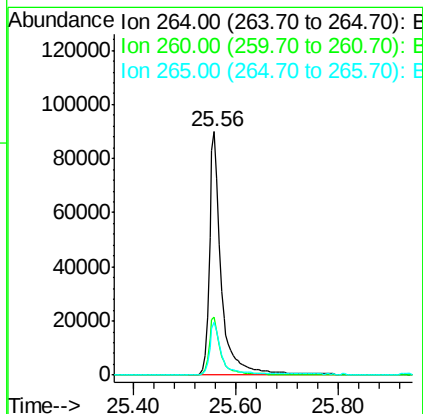
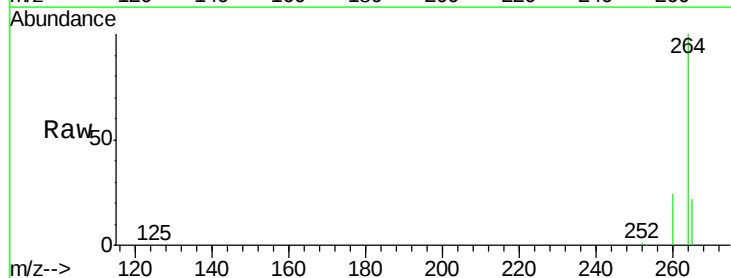
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

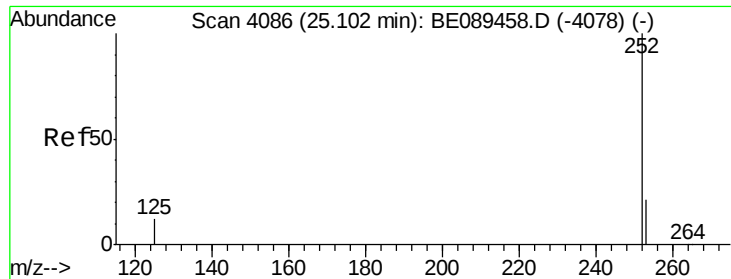
Tgt Ion: 276 Resp: 4729
 Ion Ratio Lower Upper
 276 100
 138 8.1 23.3 34.9#
 277 14.4 19.0 28.4#



#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.56 min Scan# 4186
 Delta R.T. -0.00 min
 Lab File: BE089461.D
 Acq: 2 Feb 2015 18:31

Tgt Ion: 264 Resp: 144870
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.9 17.0 25.6





#28

Benzo(b)fluoranthene

Concen: 0.17 ng

RT: 25.10 min Scan# 4086

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

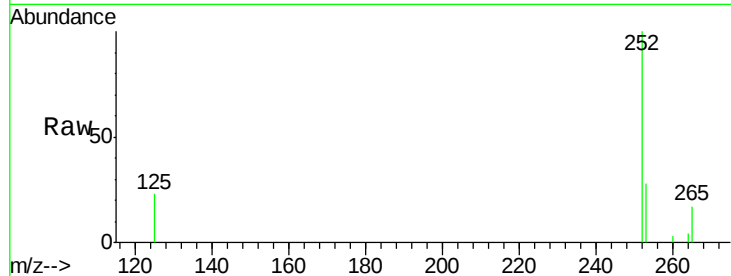
Tgt Ion:252 Resp: 2214

Ion Ratio Lower Upper

252 100

253 28.4 17.4 26.0#

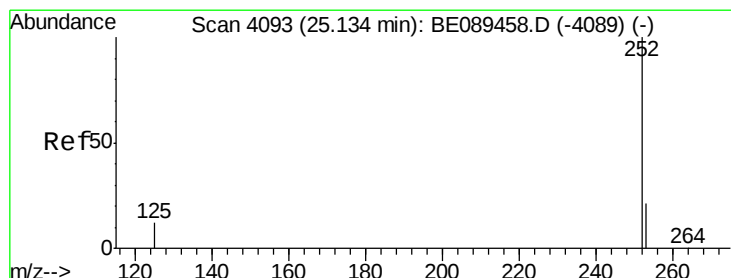
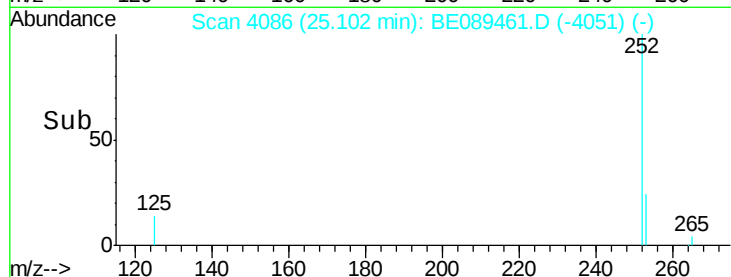
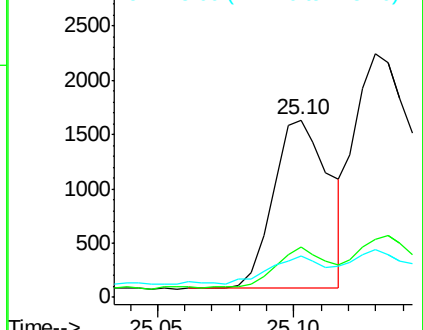
125 23.1 10.4 15.6#



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: 0.20 ng m

RT: 25.13 min Scan# 4092

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

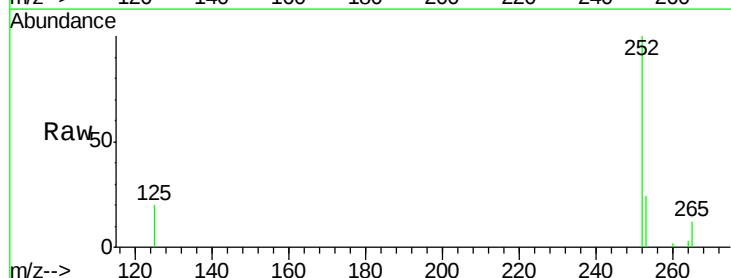
Tgt Ion:252 Resp: 7875

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

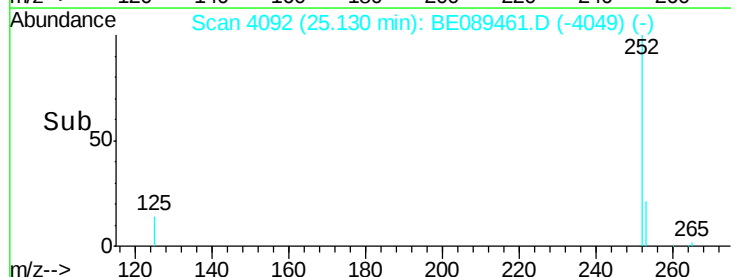
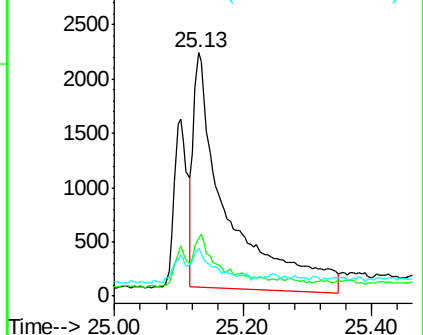
125 19.6 10.3 15.5#

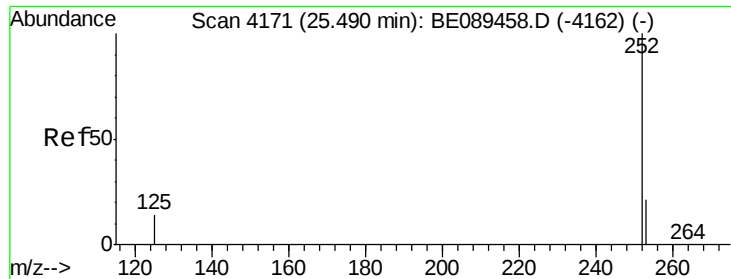


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#30

Benzo(a)pyrene

Concen: 0.15 ng

RT: 25.48 min Scan# 4170

Delta R.T. -0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

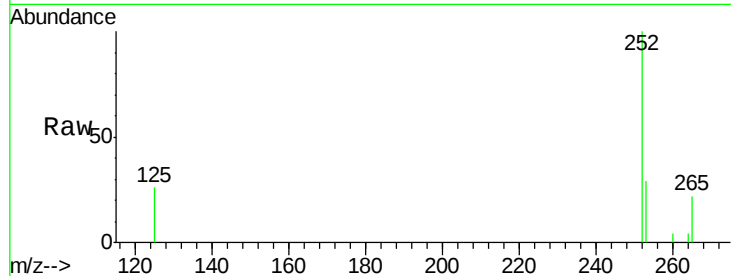
Tgt Ion: 252 Resp: 2697

Ion Ratio Lower Upper

252 100

253 28.7 17.5 26.3#

125 26.0 11.8 17.8#

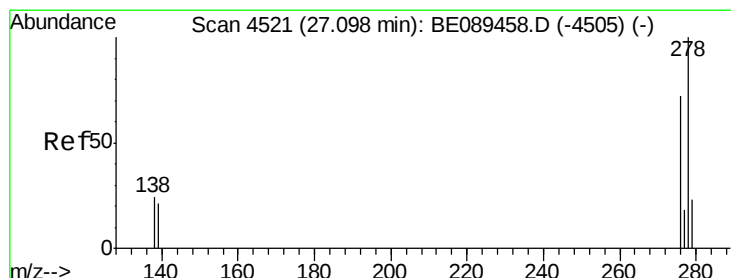
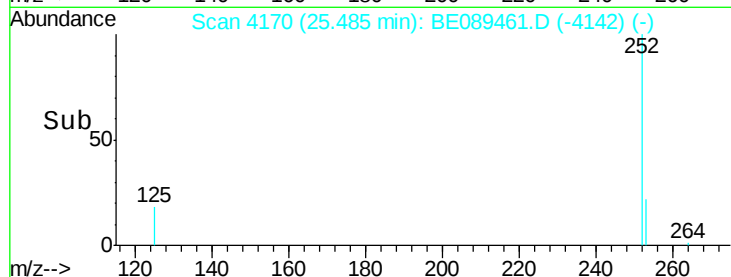
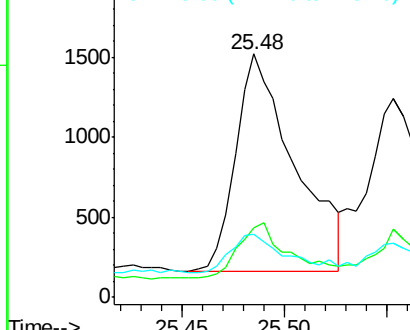


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#31

Dibenzo(a,h)anthracene

Concen: 0.15 ng

RT: 27.10 min Scan# 4521

Delta R.T. 0.00 min

Lab File: BE089461.D

Acq: 2 Feb 2015 18:31

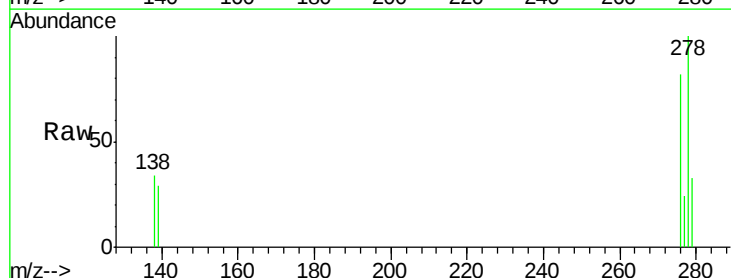
Tgt Ion: 278 Resp: 2655

Ion Ratio Lower Upper

278 100

139 29.3 17.1 25.7#

279 33.0 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

