

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
 Data File : BE089393.D
 Acq On : 28 Jan 2015 17:56
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Quant Time: Jan 29 12:09:12 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 11:58:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	120147	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	428061	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	173982	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	343303	5.00	ng	0.00
20) Chrysene-d12	23.84	240	408059	5.00	ng	0.00
27) Perylene-d12	25.55	264	425052	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.73	112	7395	0.20	ng	0.00
4) Phenol-d6	8.84	99	9262	0.20	ng	0.00
8) Nitrobenzene-d5	10.84	82	5733	0.19	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	806	0.01	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	10298	0.01	ng	0.00
22) Terphenyl-d14	22.48	244	9244	0.20	ng	0.00

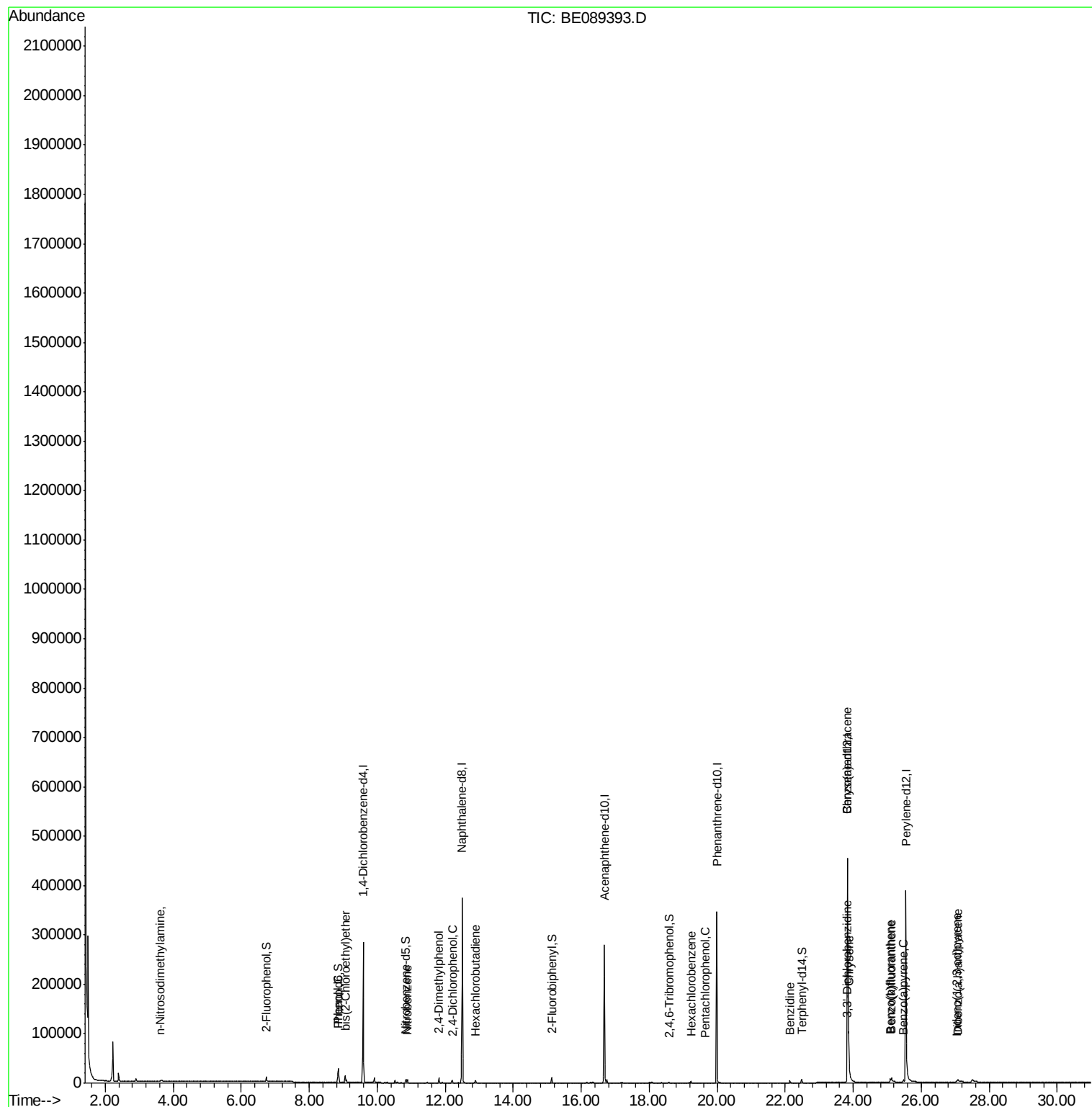
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.63	42	3824m	0.18	ng	
5) Phenol	8.87	94	9806	0.20	ng	# 58
6) bis(2-Chloroethyl)ether	9.06	93	7351	0.20	ng	# 98
9) Nitrobenzene	10.89	77	6407	0.19	ng	99
10) 2,4-Dimethylphenol	11.82	122	5069	0.20	ng	96
11) 2,4-Dichlorophenol	12.21	162	3789	0.19	ng	96
12) Hexachlorobutadiene	12.89	225	2841	0.20	ng	98
18) Hexachlorobenzene	19.23	284	3127	0.20	ng	96
19) Pentachlorophenol	19.66	266	246	0.08	ng	90
21) Benzidine	22.14	184	7074	0.15	ng	96
23) Benzo(a)anthracene	23.83	228	71601	0.19	ng	99
24) 3,3'-Dichlorobenzidine	23.81	252	4282	0.14	ng	# 94
25) Chrysene	23.87	228	92130	0.20	ng	98
26) Indeno(1,2,3-cd)pyrene	27.05	276	12629	0.12	ng	# 100
28) Benzo(b)fluoranthene	25.09	252	8190m	0.15	ng	
29) Benzo(k)fluoranthene	25.13	252	20636m	0.15	ng	
30) Benzo(a)pyrene	25.48	252	9022	0.14	ng	# 91
31) Dibenzo(a,h)anthracene	27.08	278	7983	0.11	ng	96

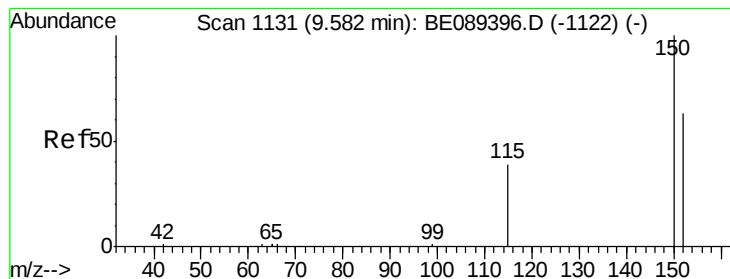
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089393.D

Acq: 28 Jan 2015 17:56

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

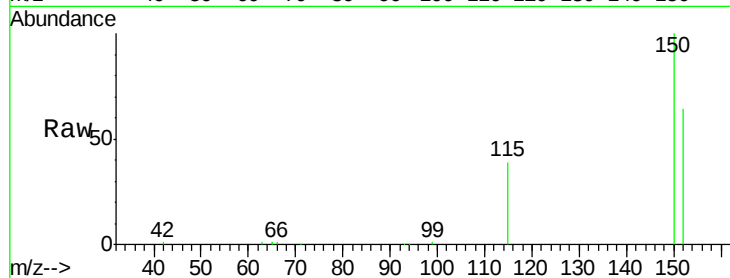
Tgt Ion: 152 Resp: 120147

Ion Ratio Lower Upper

152 100

150 156.9 127.2 190.8

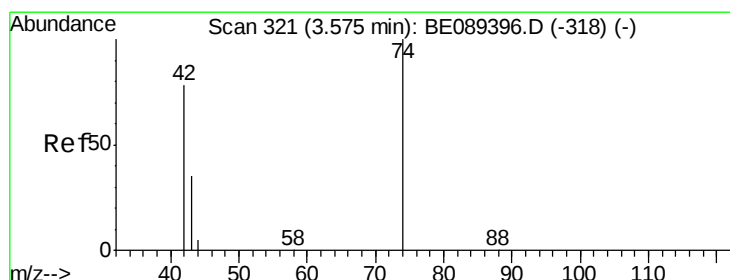
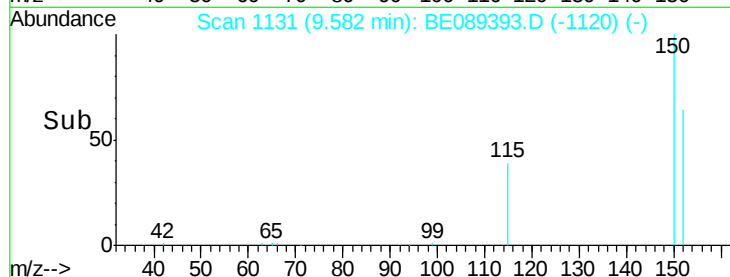
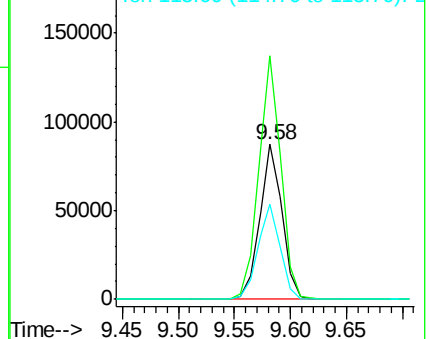
115 60.9 49.3 73.9



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: 0.18 ng

RT: 3.63 min Scan# 329

Delta R.T. 0.07 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

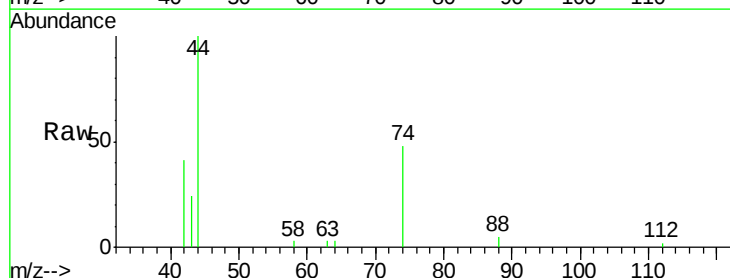
Tgt Ion: 42 Resp: 3824

Ion Ratio Lower Upper

42 100

74 117.4 101.2 151.8

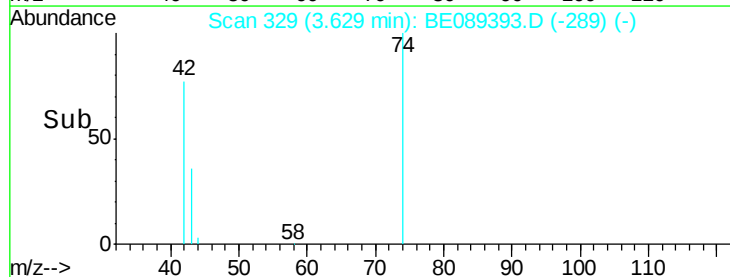
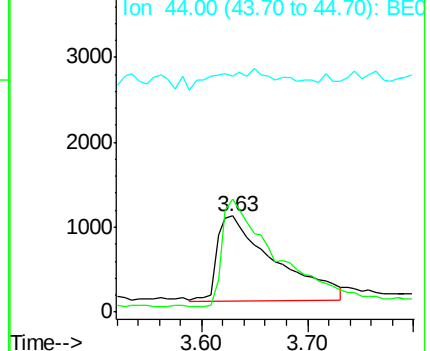
44 245.7 26.4 39.6#

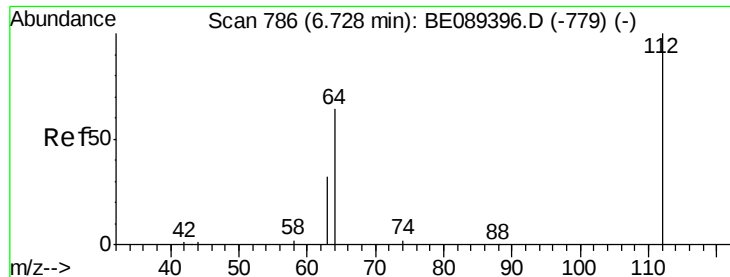


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

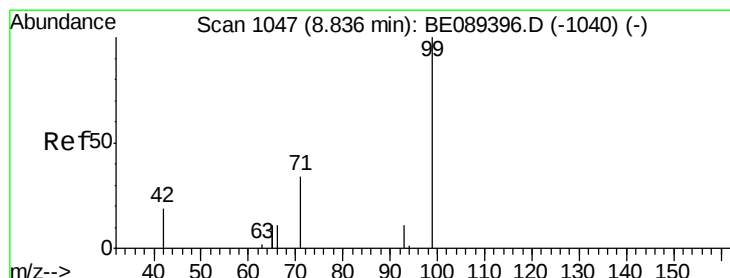
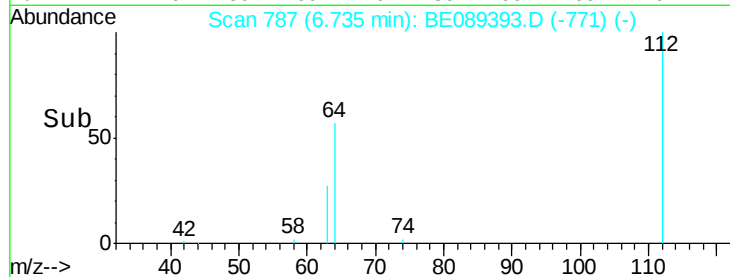
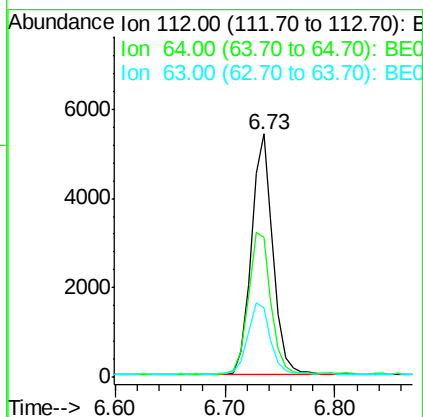
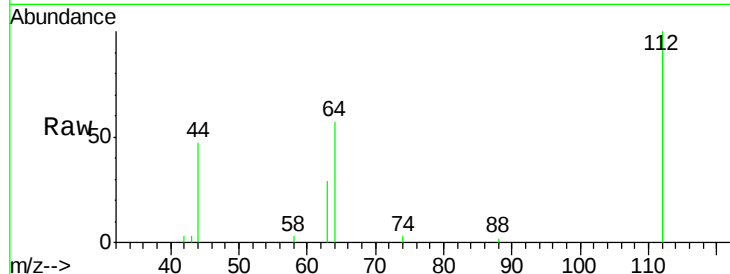




#3
 2-Fluorophenol
 Concen: 0.20 ng
 RT: 6.73 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: BE089393.D
 Acq: 28 Jan 2015 17:56

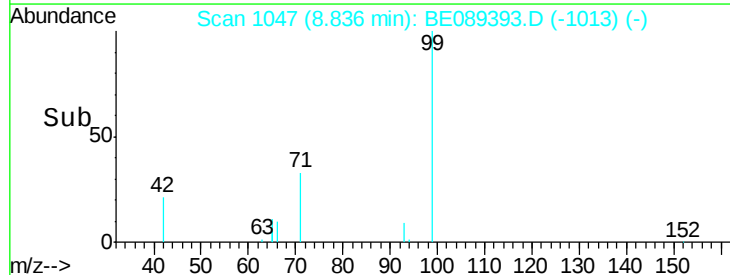
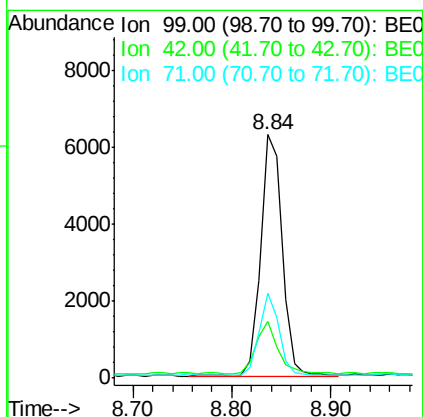
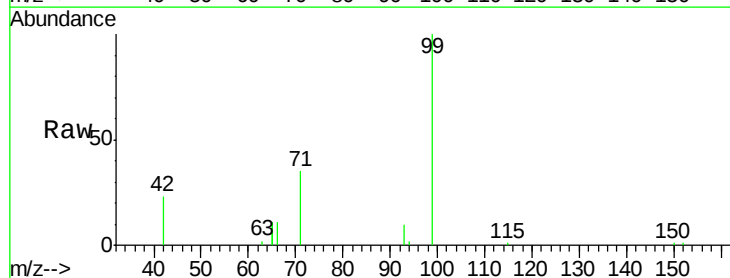
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

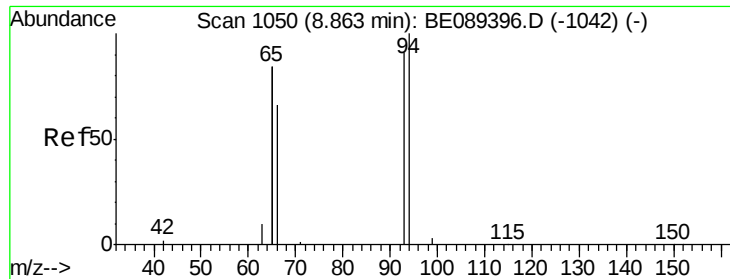
Tgt Ion:	112	Resp:	7395
Ion	Ratio	Lower	Upper
112	100		
64	57.3	51.7	77.5
63	28.5	25.7	38.5



#4
 Phenol-d6
 Concen: 0.20 ng
 RT: 8.84 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BE089393.D
 Acq: 28 Jan 2015 17:56

Tgt Ion:	99	Resp:	9262
Ion	Ratio	Lower	Upper
99	100		
42	23.3	15.3	22.9#
71	34.8	27.0	40.6





#5

Phenol

Concen: 0.20 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

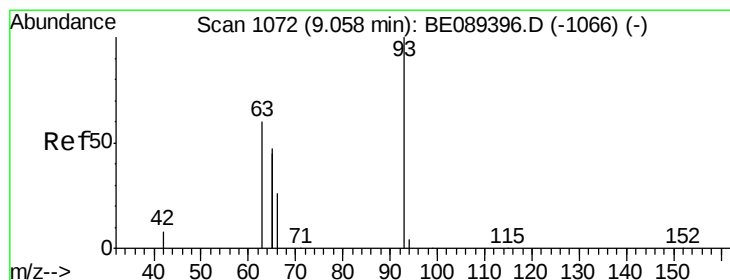
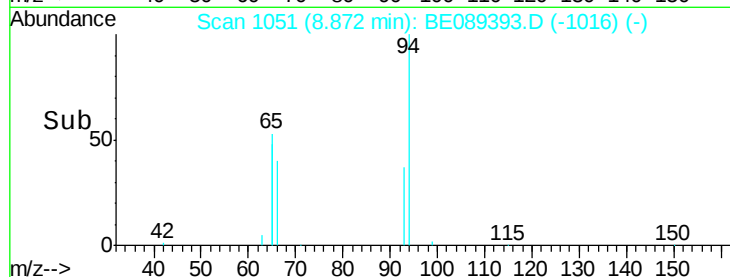
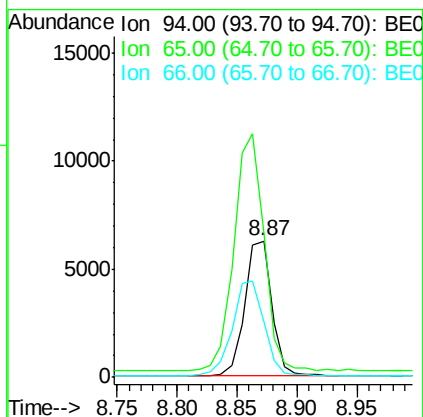
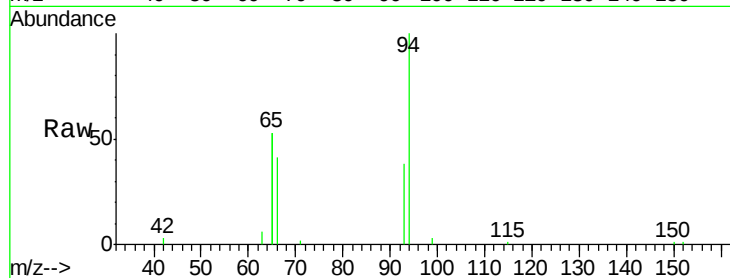
Tgt Ion: 94 Resp: 9806

Ion Ratio Lower Upper

94 100

65 105.7 148.6 188.6#

66 41.0 46.2 86.2#



#6

bis(2-Chloroethyl)ether

Concen: 0.20 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

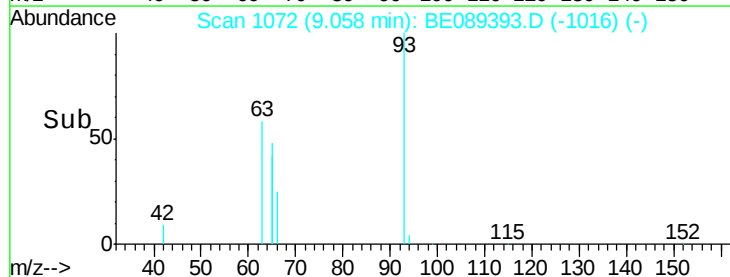
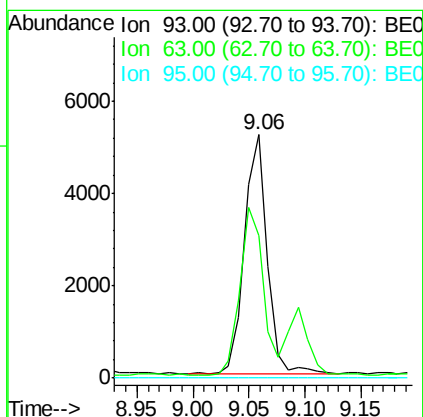
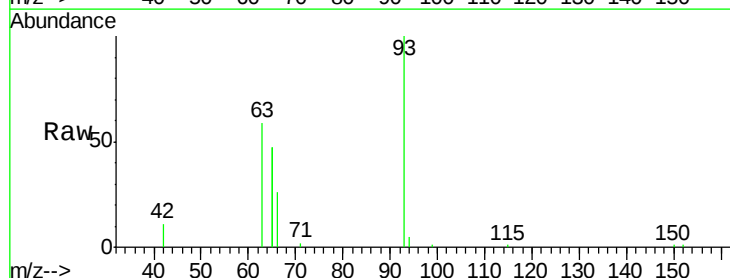
Tgt Ion: 93 Resp: 7351

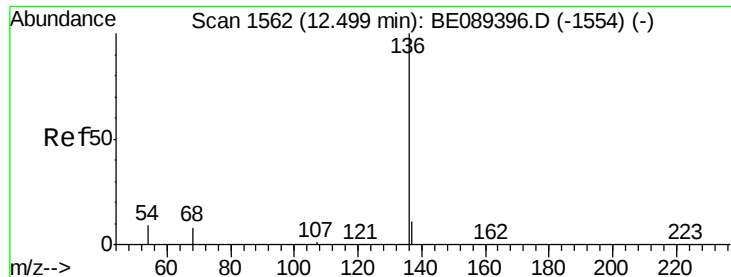
Ion Ratio Lower Upper

93 100

63 71.7 58.9 88.3

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

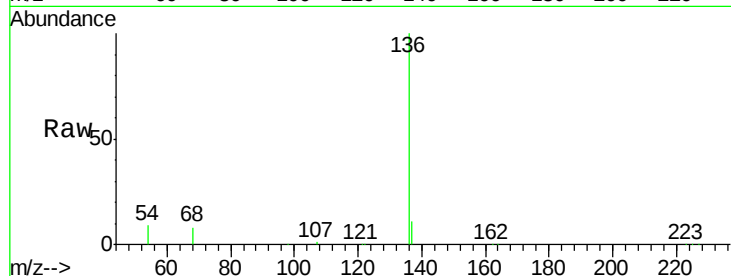
Tgt Ion: 136 Resp: 428061

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.4 7.4 11.0



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

400000

300000

200000

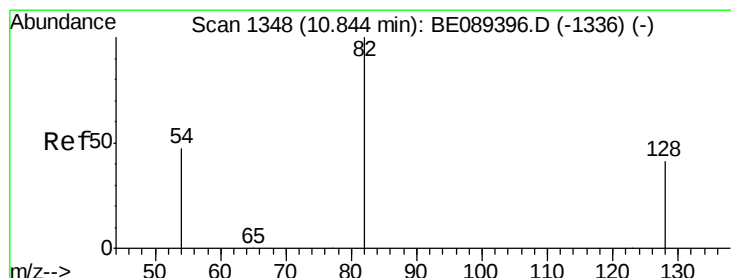
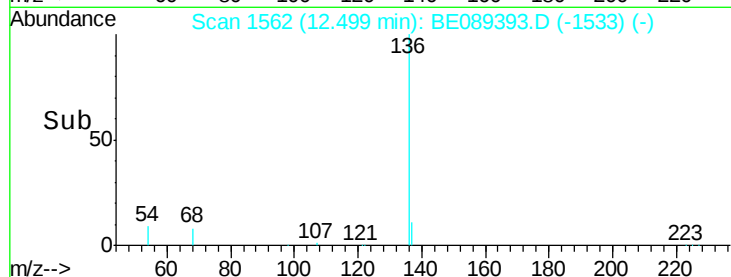
100000

0

12.50

12.40 12.50 12.60 12.70

Time-->



#8

Nitrobenzene-d5

Concen: 0.19 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

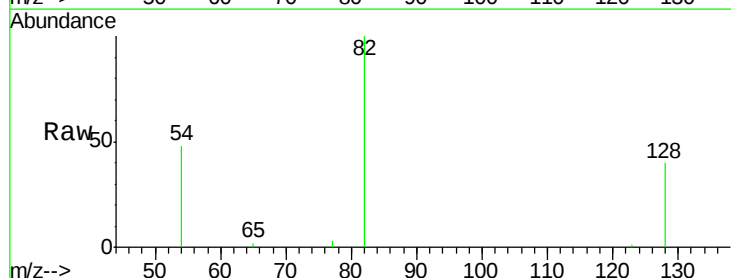
Tgt Ion: 82 Resp: 5733

Ion Ratio Lower Upper

82 100

128 40.1 33.6 50.4

54 48.3 37.7 56.5



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

5000

4000

3000

2000

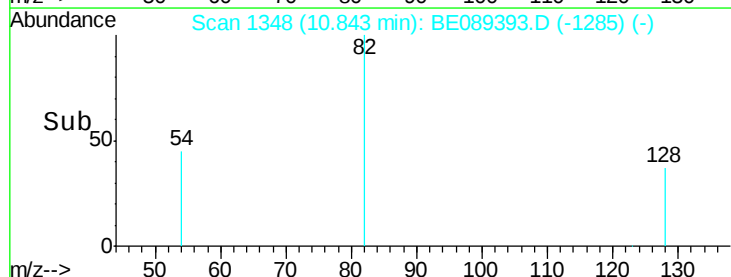
1000

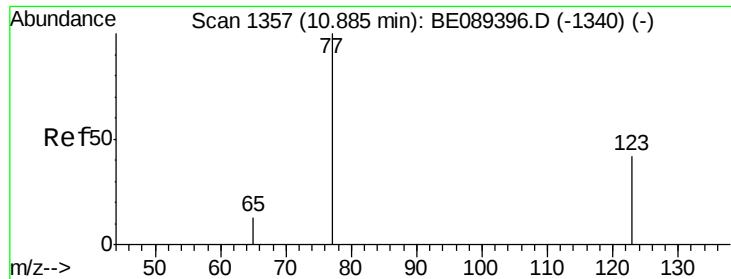
0

10.84

10.75 10.80 10.85 10.90

Time-->





#9

Nitrobenzene

Concen: 0.19 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

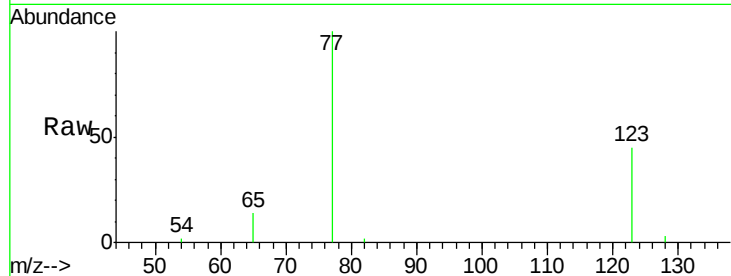
Tgt Ion: 77 Resp: 6407

Ion Ratio Lower Upper

77 100

123 42.2 34.7 52.1

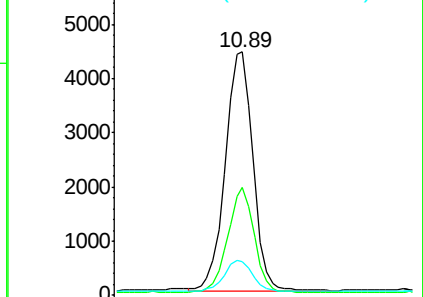
65 13.2 10.6 15.8



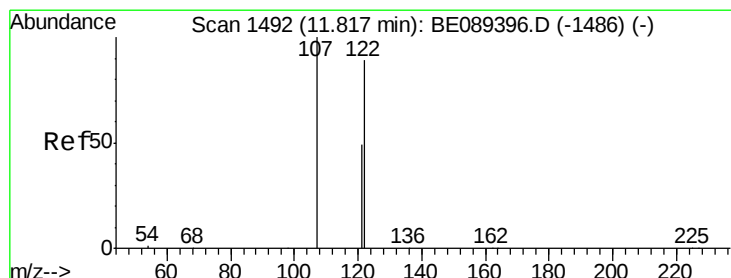
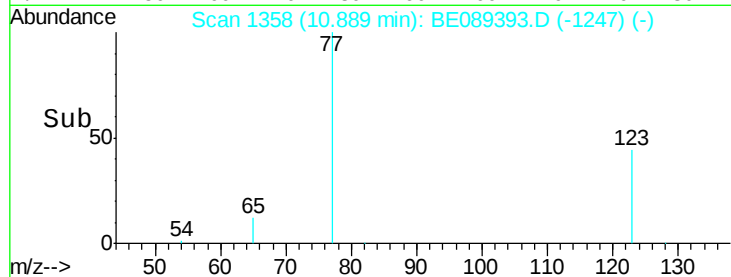
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0



Time-->



#10

2,4-Dimethylphenol

Concen: 0.20 ng

RT: 11.82 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

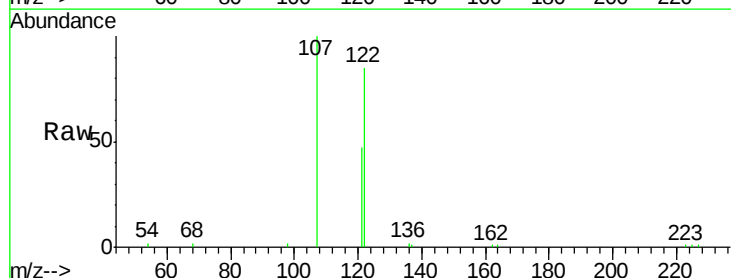
Tgt Ion: 122 Resp: 5069

Ion Ratio Lower Upper

122 100

107 117.2 89.4 134.2

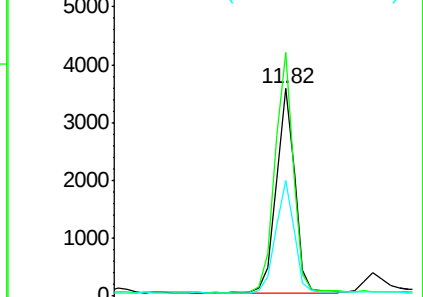
121 55.7 43.6 65.4



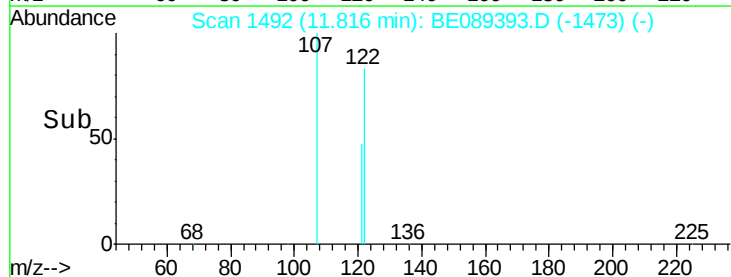
Abundance Ion 122.00 (121.70 to 122.70): E

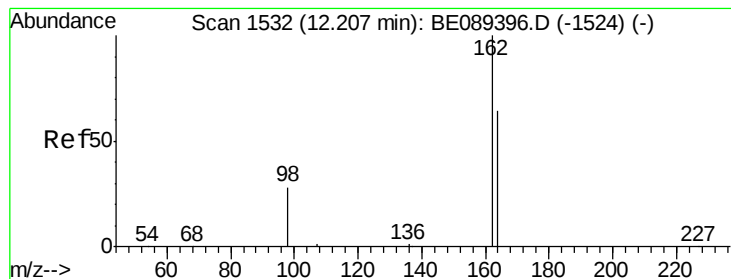
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



Time-->

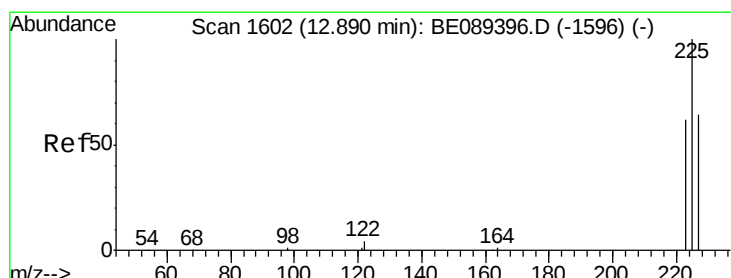
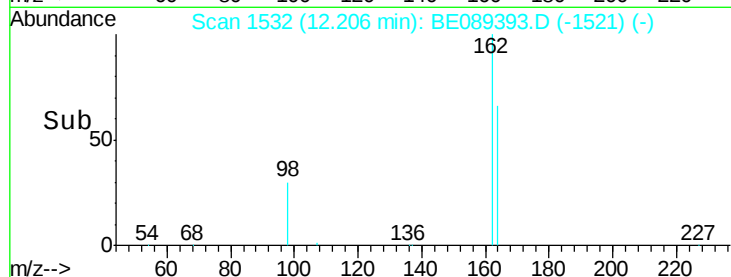
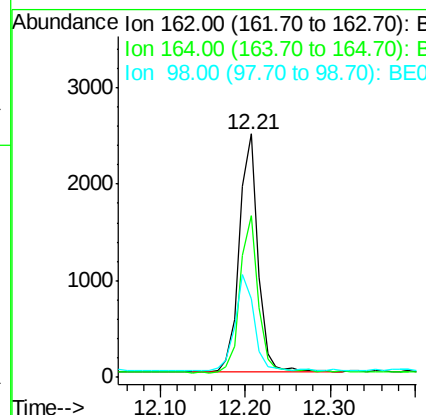
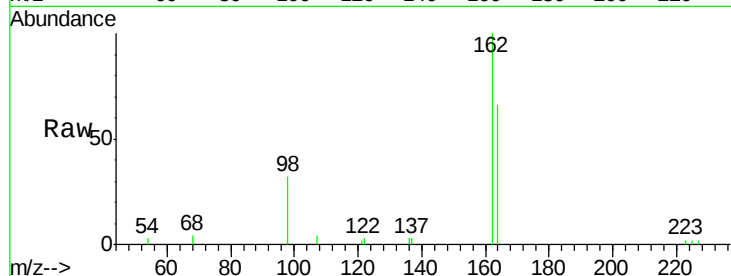




#11
 2,4-Dichlorophenol
 Concen: 0.19 ng
 RT: 12.21 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BE089393.D
 Acq: 28 Jan 2015 17:56

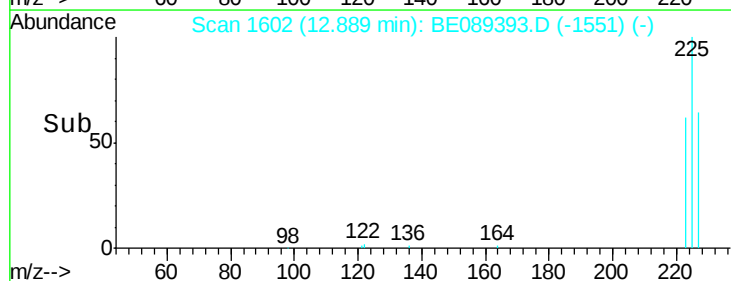
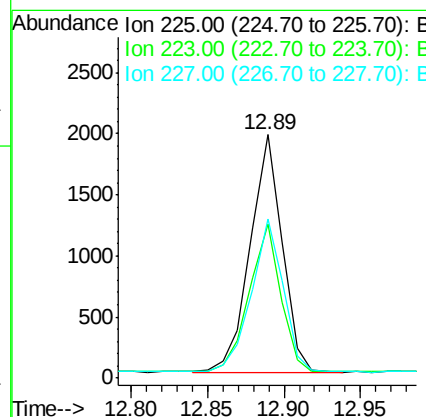
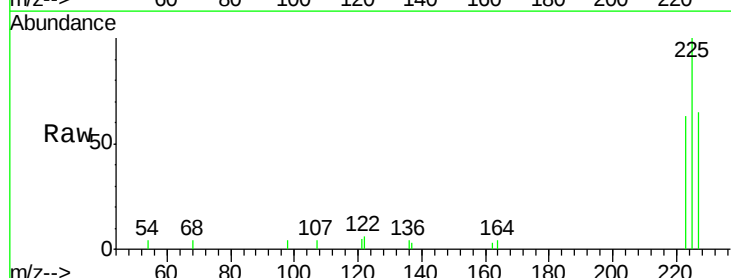
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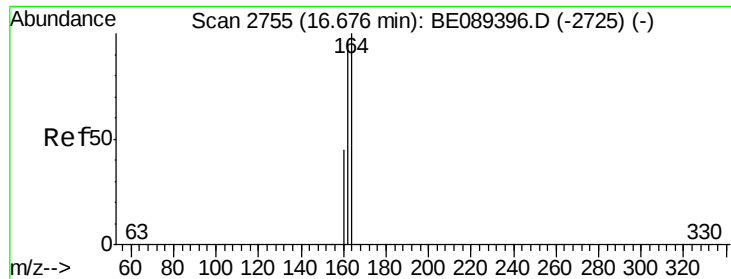
Tgt Ion:162 Resp: 3789
 Ion Ratio Lower Upper
 162 100
 164 66.5 44.6 84.6
 98 32.4 8.7 48.7



#12
 Hexachlorobutadiene
 Concen: 0.20 ng
 RT: 12.89 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BE089393.D
 Acq: 28 Jan 2015 17:56

Tgt Ion:225 Resp: 2841
 Ion Ratio Lower Upper
 225 100
 223 61.2 50.2 75.4
 227 64.0 50.5 75.7





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

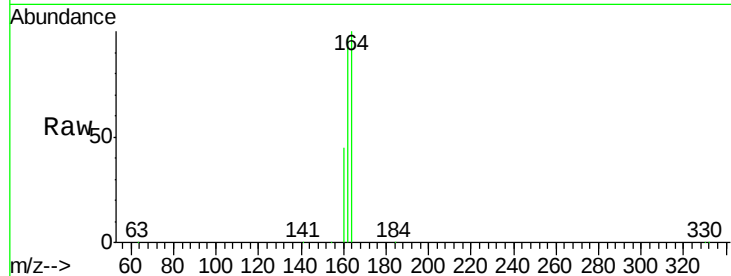
Tgt Ion:164 Resp: 173982

Ion Ratio Lower Upper

164 100

162 96.7 123.9 185.9#

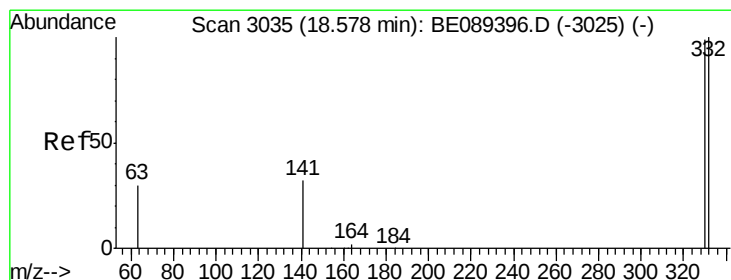
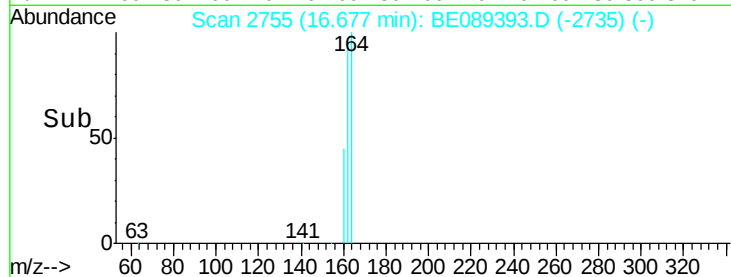
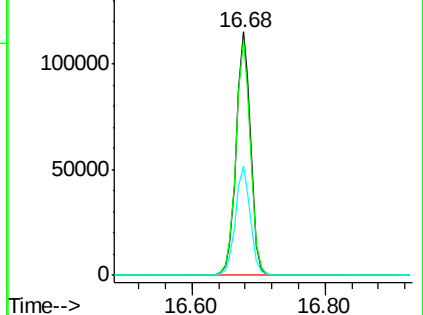
160 45.1 0.0 0.0#



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: 0.01 ng

RT: 18.58 min Scan# 3035

Delta R.T. 0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

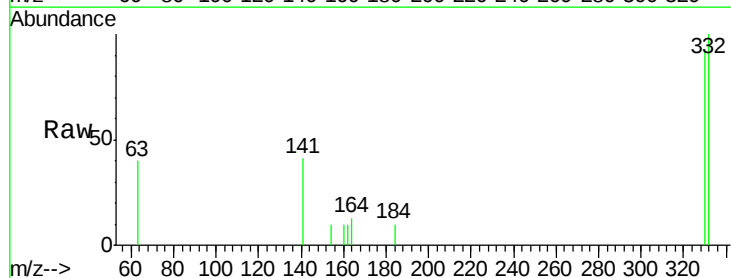
Tgt Ion:330 Resp: 806

Ion Ratio Lower Upper

330 100

332 97.9 77.5 116.3

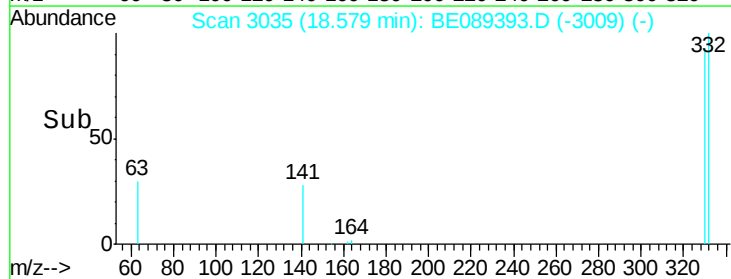
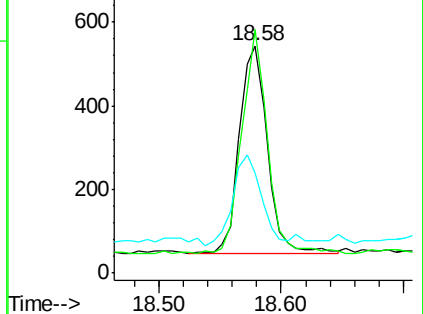
141 43.5 32.4 48.6

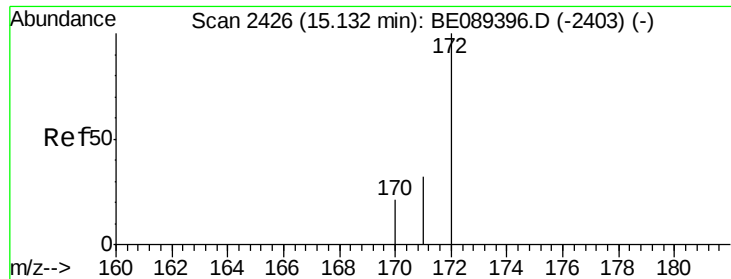


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

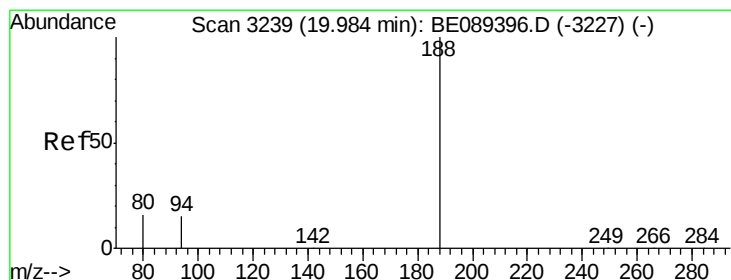
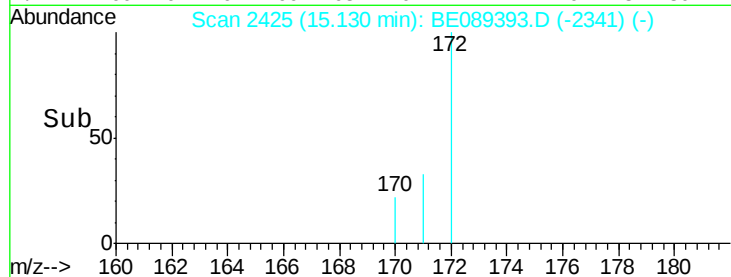
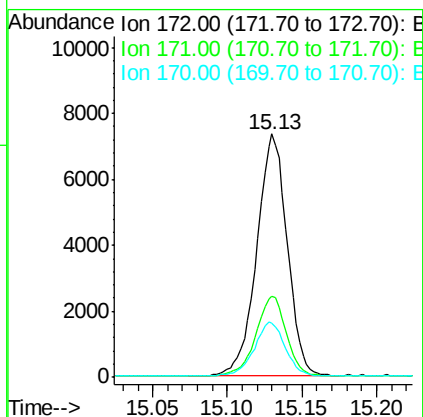
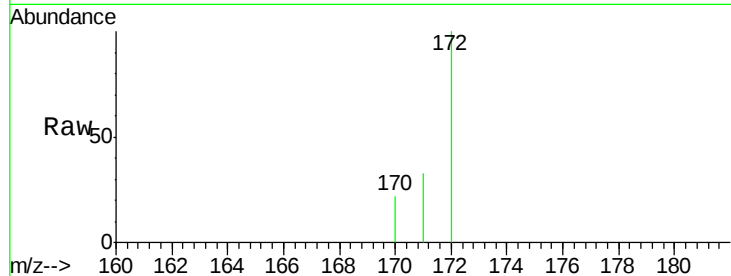




#15
2-Fluorobiphenyl
Concen: 0.01 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

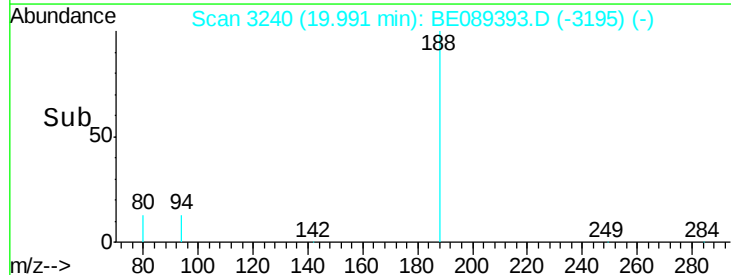
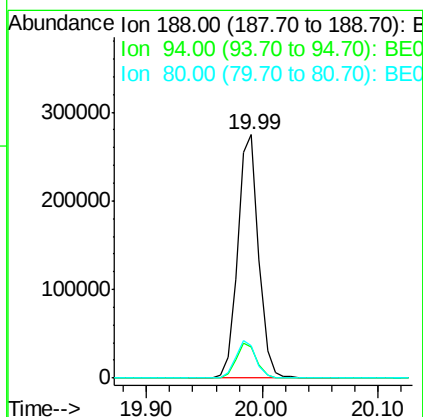
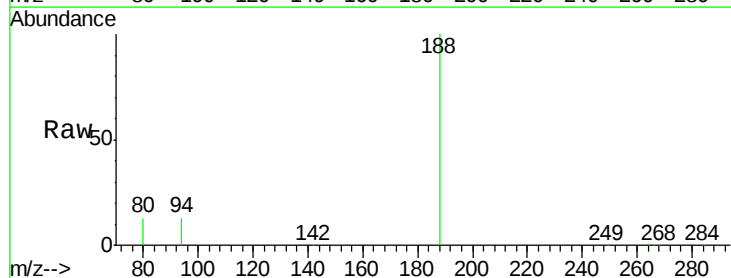
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

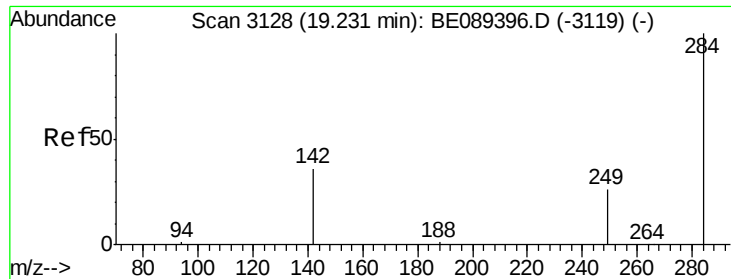
Tgt Ion:172 Resp: 10298
Ion Ratio Lower Upper
172 100
171 33.5 25.6 38.4
170 22.3 17.0 25.4



#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:188 Resp: 343303
Ion Ratio Lower Upper
188 100
94 12.9 12.0 18.0
80 13.4 13.2 19.8

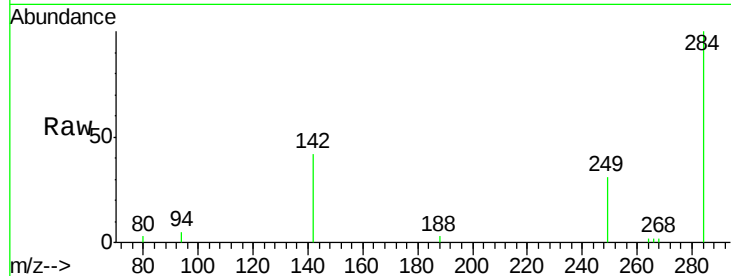




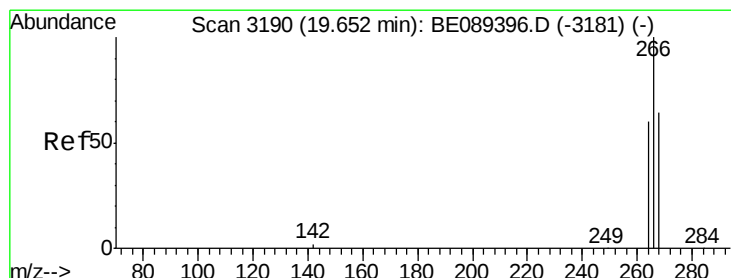
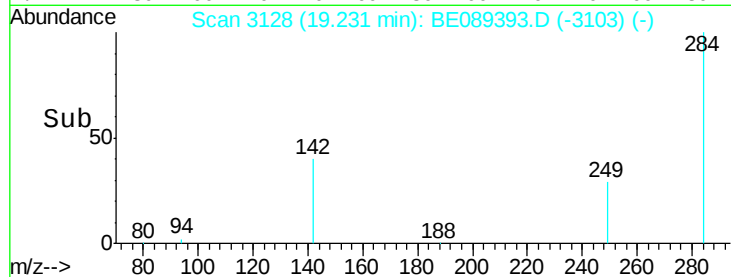
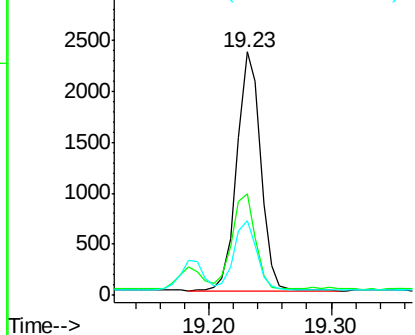
#18
Hexachlorobenzene
Concen: 0.20 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion: 284 Resp: 3127
Ion Ratio Lower Upper
284 100
142 41.8 30.7 46.1
249 30.5 23.4 35.2

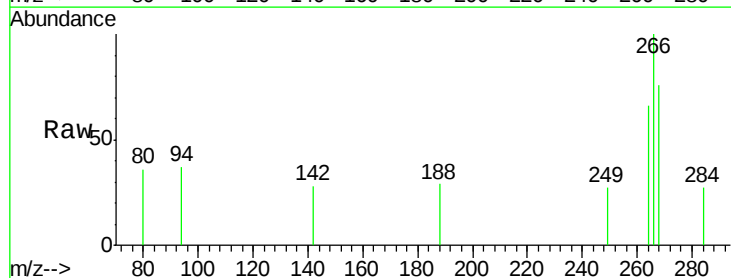


Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

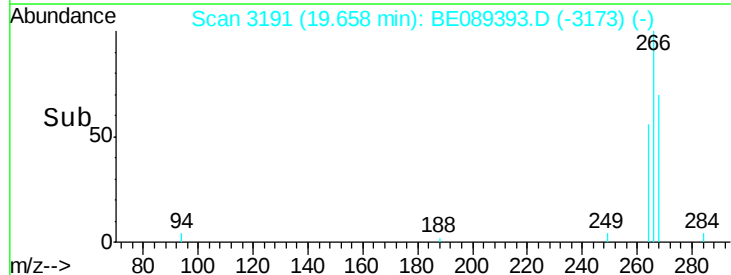
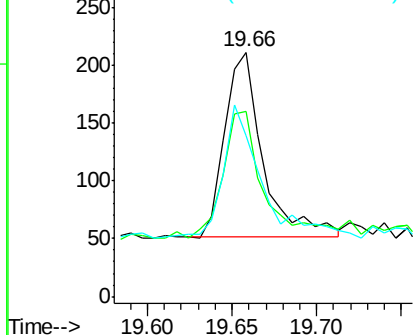


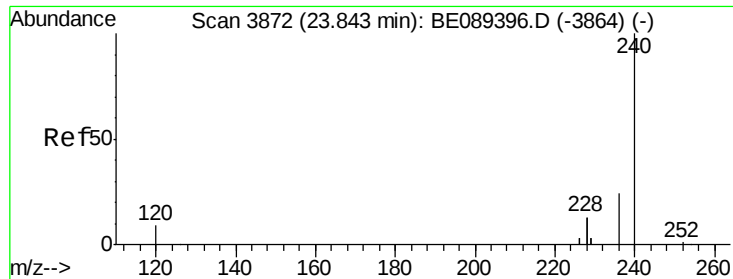
#19
Pentachlorophenol
Concen: 0.08 ng
RT: 19.66 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion: 266 Resp: 246
Ion Ratio Lower Upper
266 100
268 75.8 52.5 78.7
264 65.9 48.8 73.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

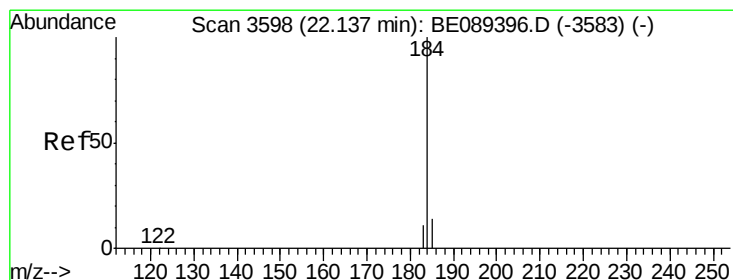
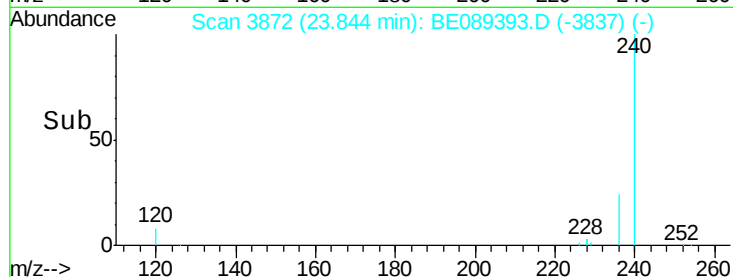
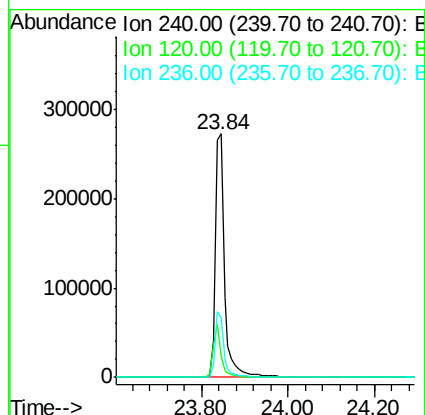
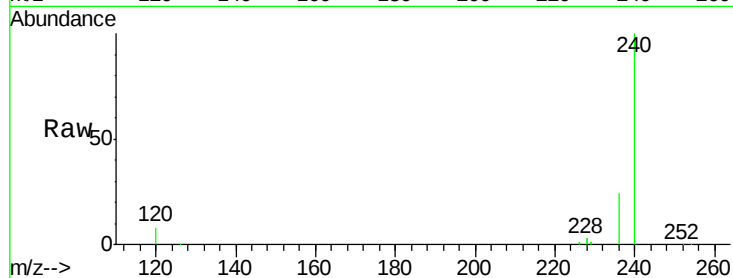




#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 3872
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

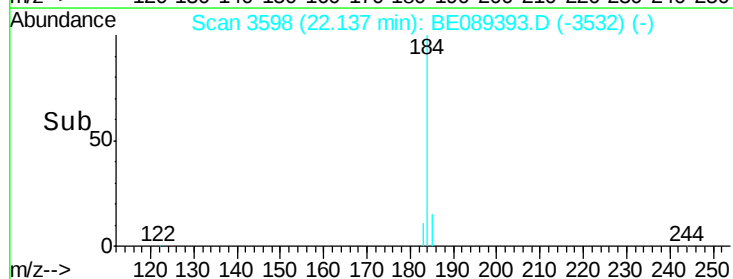
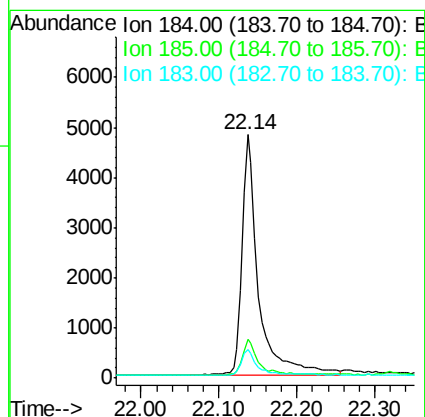
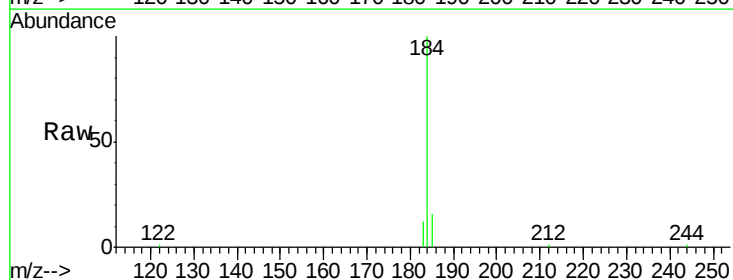
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

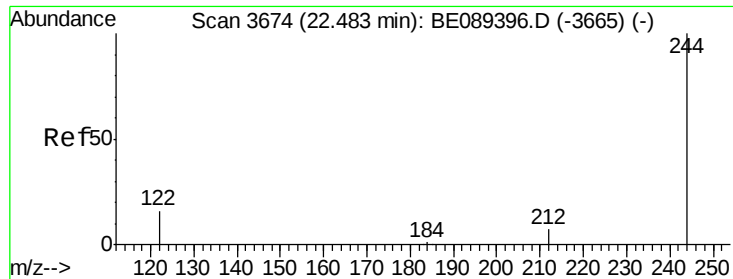
Tgt Ion:240 Resp: 408059
Ion Ratio Lower Upper
240 100
120 8.5 7.1 10.7
236 24.2 19.5 29.3



#21
Benzidine
Concen: 0.15 ng
RT: 22.14 min Scan# 3598
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:184 Resp: 7074
Ion Ratio Lower Upper
184 100
185 16.1 11.4 17.0
183 12.0 8.7 13.1

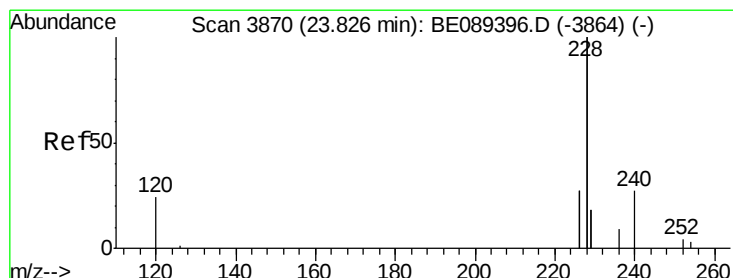
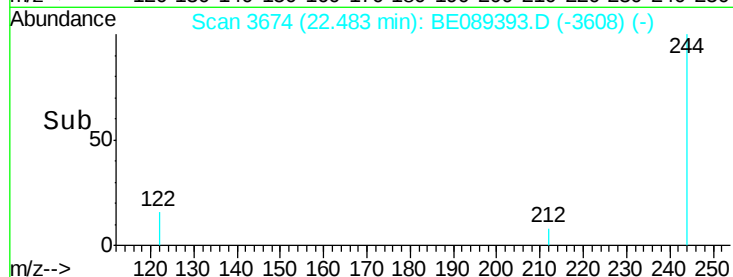
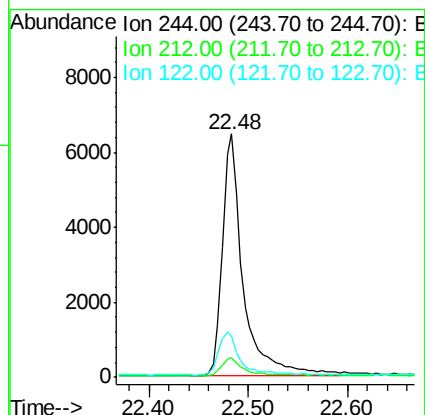
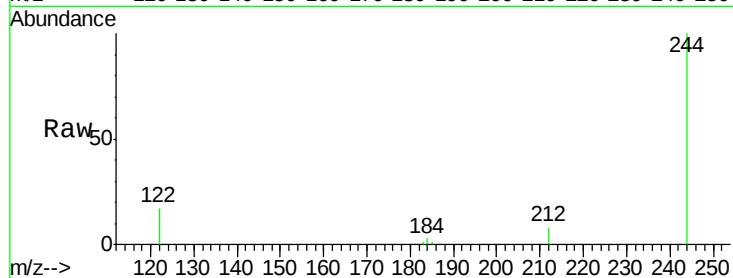




#22
 Terphenyl-d14
 Concen: 0.20 ng
 RT: 22.48 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: BE089393.D
 Acq: 28 Jan 2015 17:56

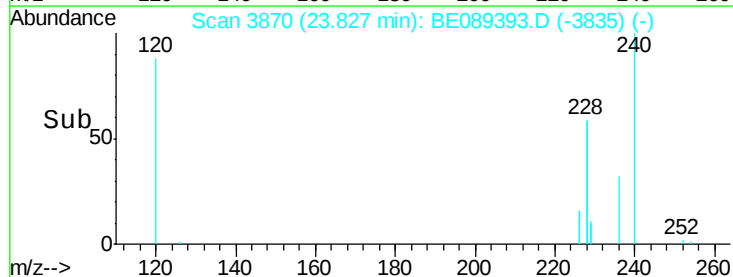
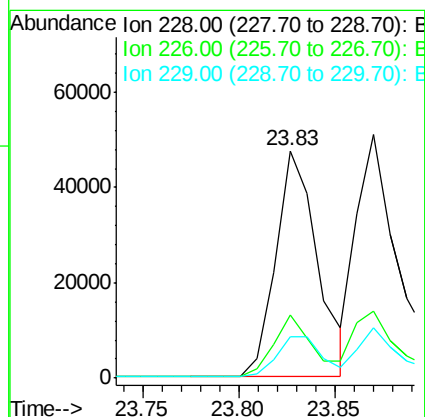
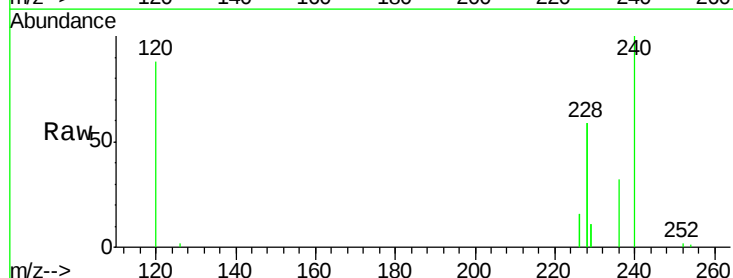
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

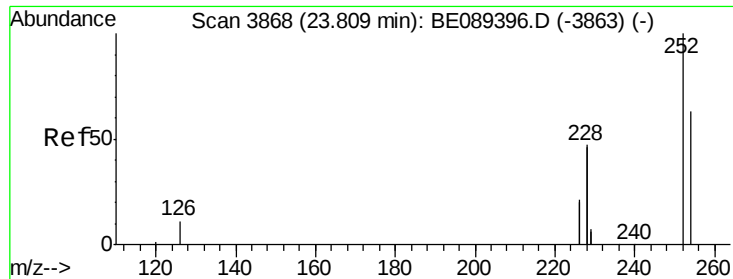
Tgt Ion: 244 Resp: 9244
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.9 8.9
 122 17.1 12.8 19.2



#23
 Benzo(a)anthracene
 Concen: 0.19 ng
 RT: 23.83 min Scan# 3870
 Delta R.T. 0.00 min
 Lab File: BE089393.D
 Acq: 28 Jan 2015 17:56

Tgt Ion: 228 Resp: 71601
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.8 32.6
 229 18.5 14.5 21.7

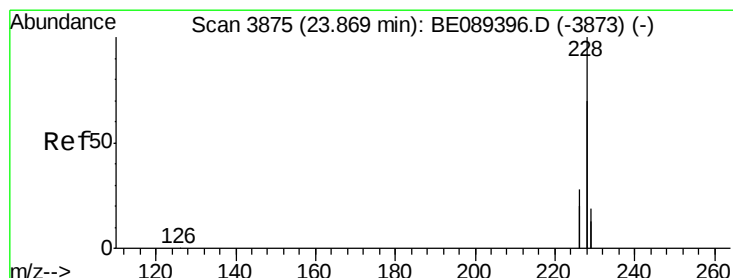
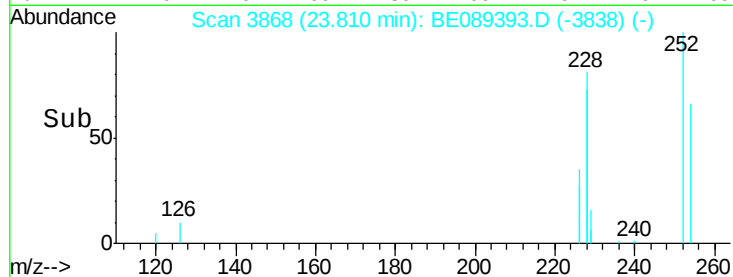
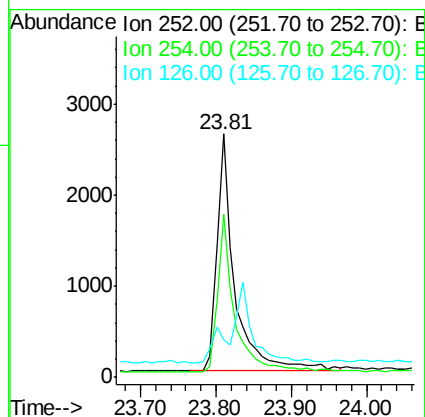
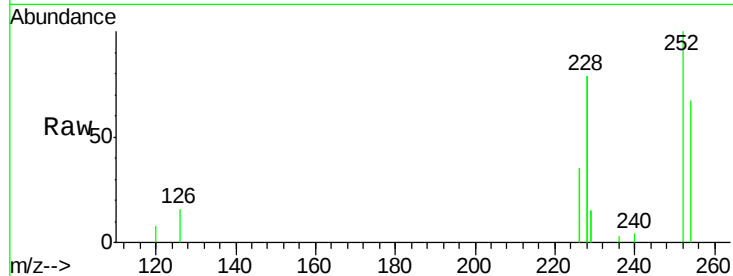




#24
 3,3'-Dichlorobenzidine
 Concen: 0.14 ng
 RT: 23.81 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: BE089393.D
 Acq: 28 Jan 2015 17:56

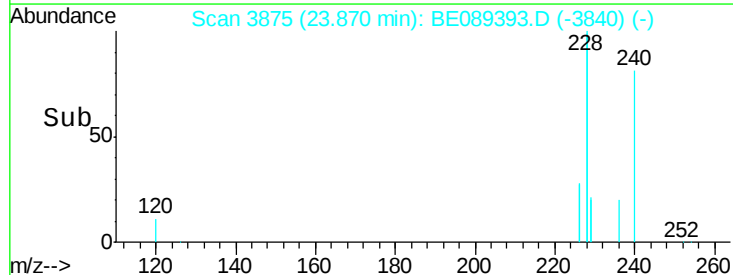
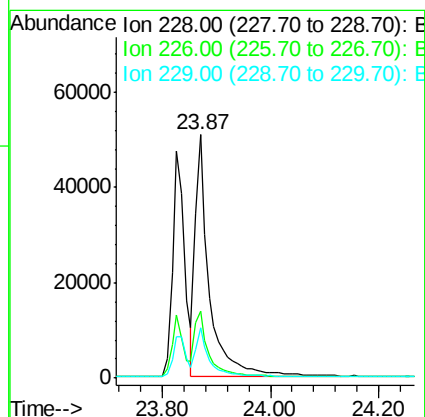
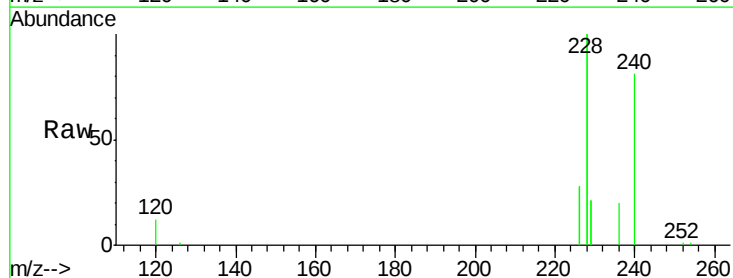
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

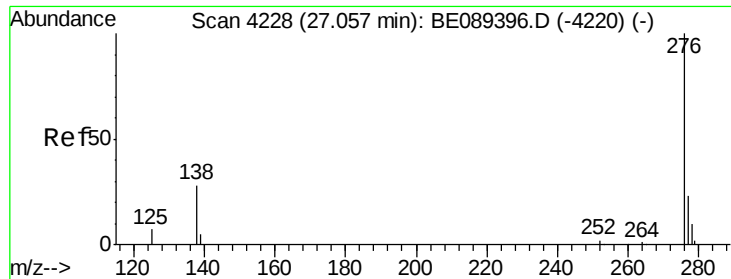
Tgt Ion: 252 Resp: 4282
 Ion Ratio Lower Upper
 252 100
 254 66.8 50.2 75.4
 126 15.6 9.8 14.6#



#25
 Chrysene
 Concen: 0.20 ng
 RT: 23.87 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: BE089393.D
 Acq: 28 Jan 2015 17:56

Tgt Ion: 228 Resp: 92130
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.7 34.1
 229 20.5 15.2 22.8





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.12 ng

RT: 27.05 min Scan# 4227

Delta R.T. -0.02 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

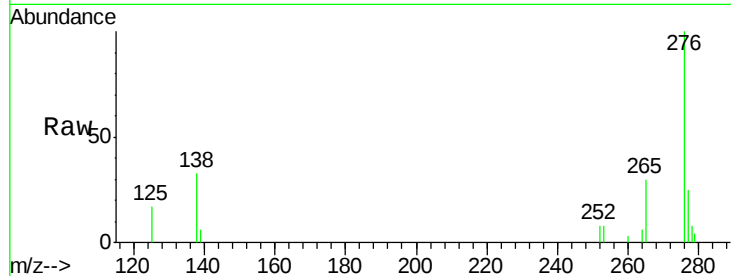
Tgt Ion: 276 Resp: 12629

Ion Ratio Lower Upper

276 100

138 28.0 0.0 0.0#

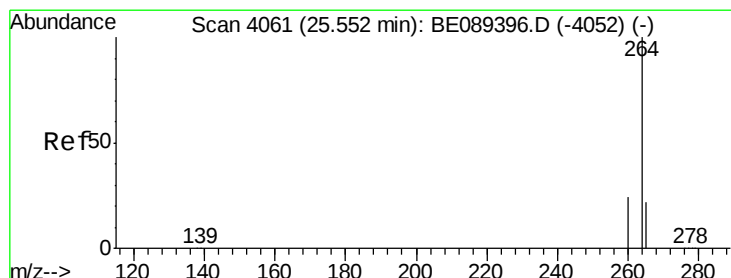
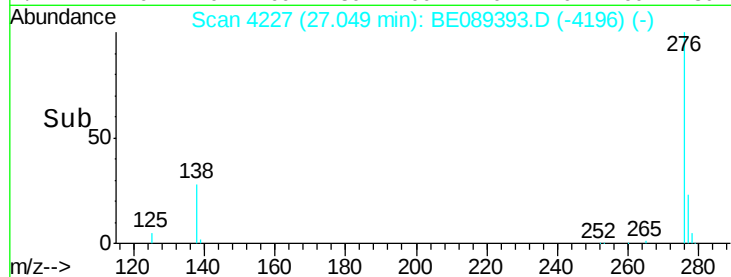
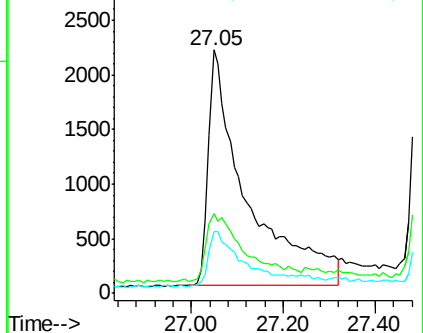
277 24.9 0.0 0.0#



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: 25.55 min Scan# 4061

Delta R.T. 0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

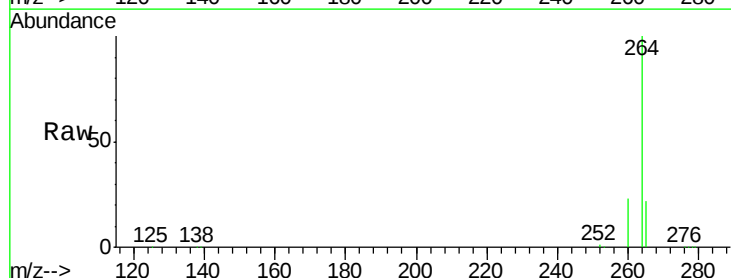
Tgt Ion: 264 Resp: 425052

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

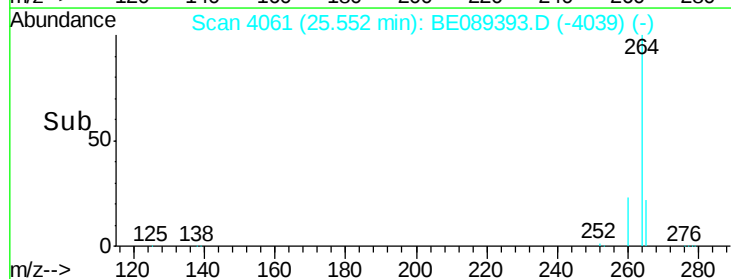
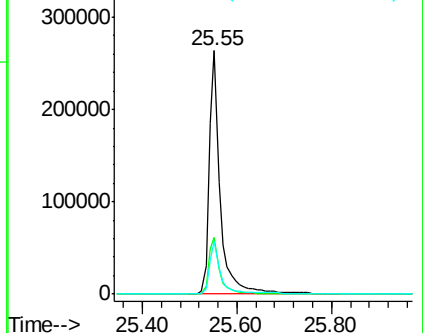
265 21.9 17.5 26.3

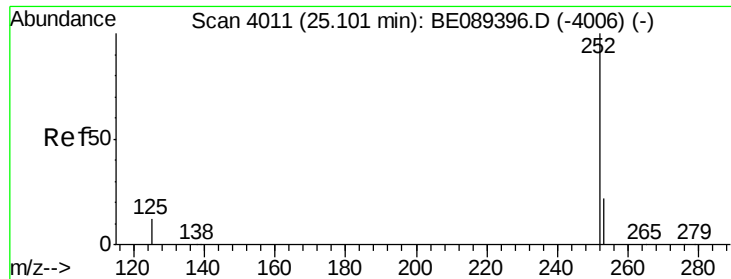


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

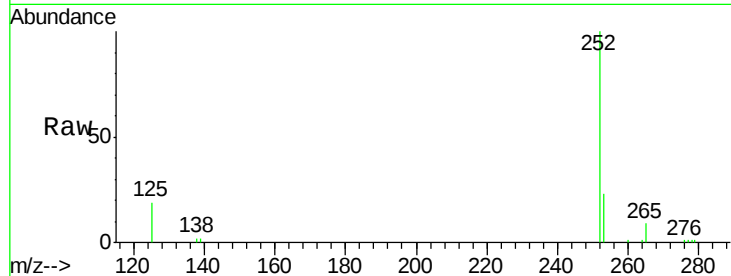




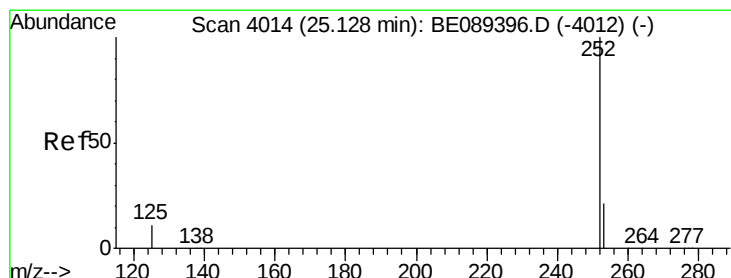
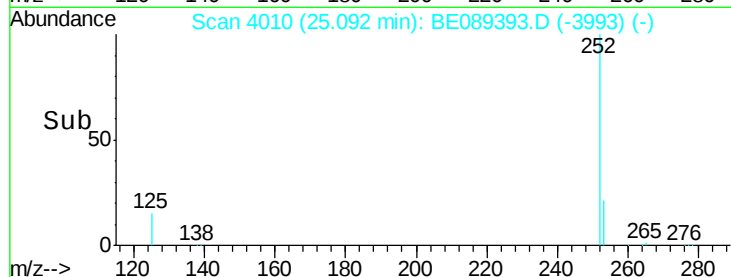
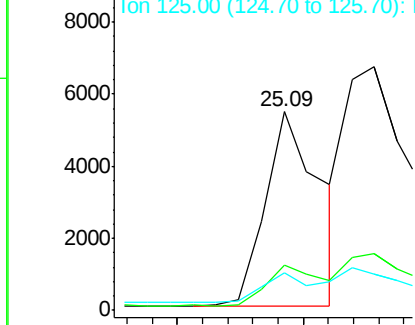
#28
Benzo(b)fluoranthene
Concen: 0.15 ng m
RT: 25.09 min Scan# 4010
Delta R.T. -0.01 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion:252 Resp: 8190
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 18.7 9.8 14.6#

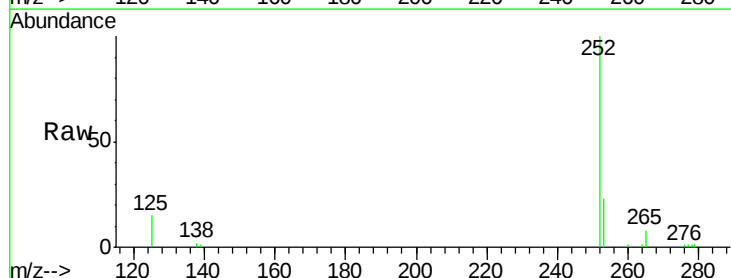


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

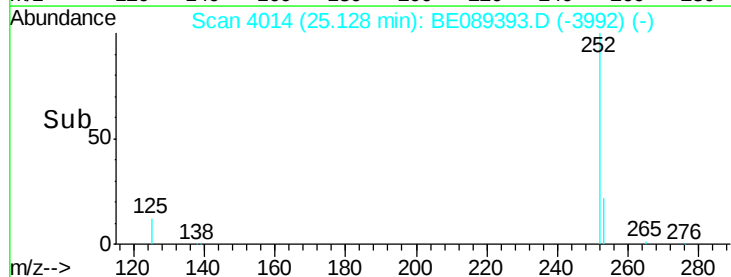
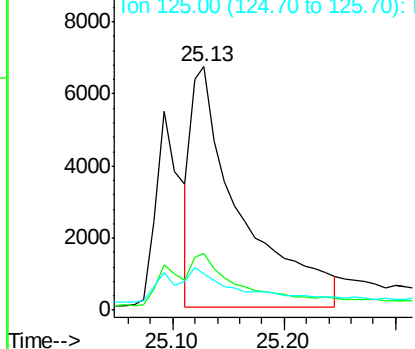


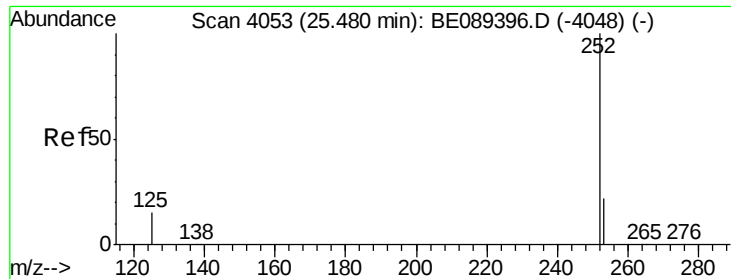
#29
Benzo(k)fluoranthene
Concen: 0.15 ng m
RT: 25.13 min Scan# 4014
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:252 Resp: 20636
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 14.9 10.2 15.4



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





#30

Benzo(a)pyrene

Concen: 0.14 ng

RT: 25.48 min Scan# 4053

Delta R.T. 0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

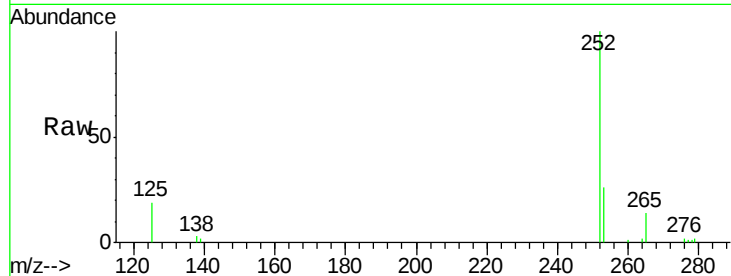
Tgt Ion:252 Resp: 9022

Ion Ratio Lower Upper

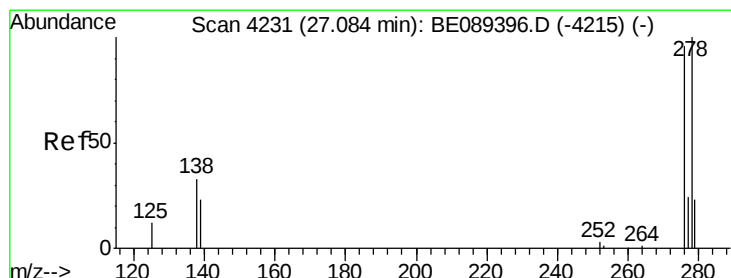
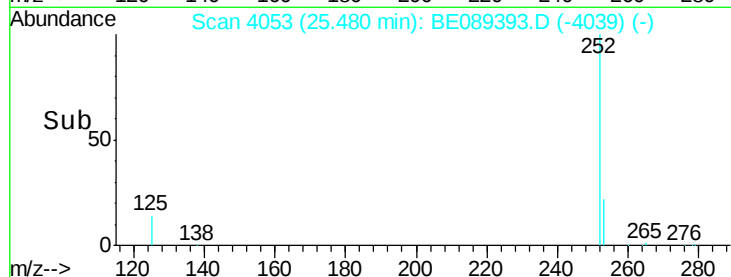
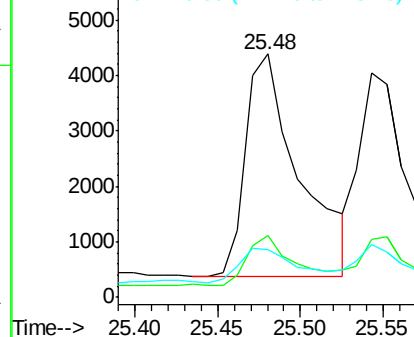
252 100

253 25.5 17.5 26.3

125 19.4 12.2 18.4#



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



#31

Dibenzo(a,h)anthracene

Concen: 0.11 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE089393.D

Acq: 28 Jan 2015 17:56

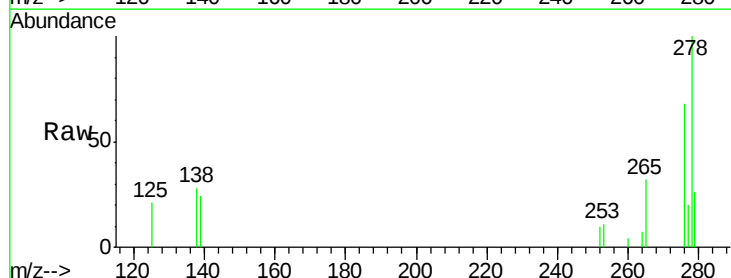
Tgt Ion:278 Resp: 7983

Ion Ratio Lower Upper

278 100

139 23.8 18.5 27.7

279 26.1 18.6 28.0



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

