

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092025.D
 Acq On : 23 Jul 2016 3:11
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Jul 23 04:48:17 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	20620	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	100741	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	64961	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	156980	5.00	ng	0.00
31) Chrysene-d12	21.76	240	192659	5.00	ng	0.00
40) Perylene-d12	24.16	264	158562	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	1899	0.48	ng	0.00
5) Phenol-d6	7.37	99	2563	0.47	ng	0.00
9) Nitrobenzene-d5	9.36	82	2522	0.42	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	689	0.48	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	7259	0.42	ng	0.00
34) Terphenyl-d14	20.22	244	9141	0.47	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1132	0.41	ng	94
3) n-Nitrosodimethylamine	3.82	42	1300	0.42	ng	# 81
6) bis(2-Chloroethyl)ether	7.61	93	2424	0.41	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	2024	0.40	ng	# 94
10) Nitrobenzene	9.40	77	2736	0.45	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	3680	0.49	ng	# 21
12) Naphthalene	11.04	128	9313	0.41	ng	97
13) Hexachlorobutadiene	11.34	225	1356	0.41	ng	98
14) 2-Methylnaphthalene	12.68	142	5912	0.41	ng	95
18) Acenaphthylene	14.56	152	42928	0.43	ng	# 71
19) 2,6-Dinitrotoluene	14.44	165	5026	0.43	ng	# 10
20) Acenaphthene	14.92	154	6840	0.40	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	7764	0.75	ng	# 1
22) Fluorene	15.90	166	8558	0.42	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	4265	0.42	ng	95
25) 4-Bromophenyl-phenylether	16.78	248	2628	0.40	ng	97
26) Hexachlorobenzene	16.90	284	2800	0.42	ng	98
27) Pentachlorophenol	17.25	266	560	0.52	ng	87
28) Phenanthrene	17.63	178	16608	0.41	ng	100
29) Anthracene	17.72	178	14855	0.40	ng	100
30) Fluoranthene	19.63	202	66006	0.41	ng	# 67
32) Benzidine	19.83	184	3685	0.57	ng	# 96
33) Pyrene	19.99	202	74610	0.53	ng	# 81
35) Benzo(a)anthracene	21.79	228	50830	1.17	ng	97
36) 3,3'-Dichlorobenzidine	21.67	252	3846	0.66	ng	# 69
37) Chrysene	21.79	228	51245	0.97	ng	92
38) Bis(2-ethylhexyl)phthalate	21.64	149	29142	0.84	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	68601	0.47	ng	99
41) Benzo(b)fluoranthene	23.42	252	17666	0.42	ng	97
42) Benzo(k)fluoranthene	23.47	252	16427	0.39	ng	98
43) Benzo(a)pyrene	24.05	252	15311	0.40	ng	100
44) Dibenzo(a,h)anthracene	26.70	278	13769	0.40	ng	99
45) Benzo(g,h,i)perylene	27.45	276	58177	0.41	ng	99

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 22 15:39:27 2016
Response via : Initial Calibration

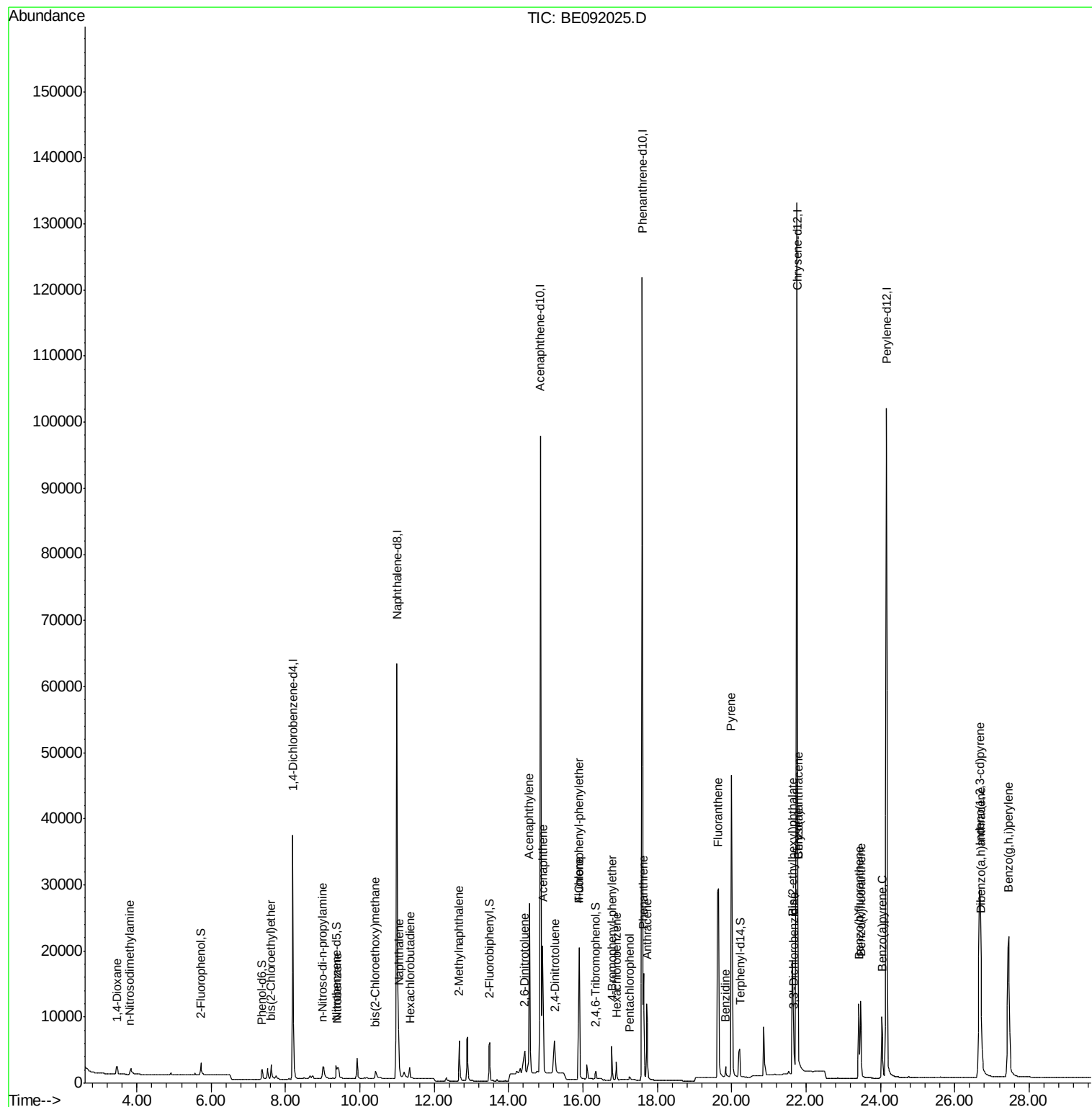
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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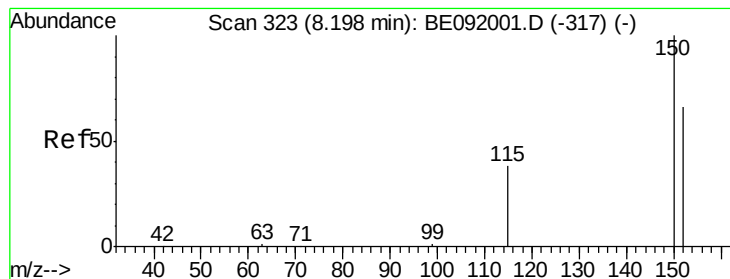
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

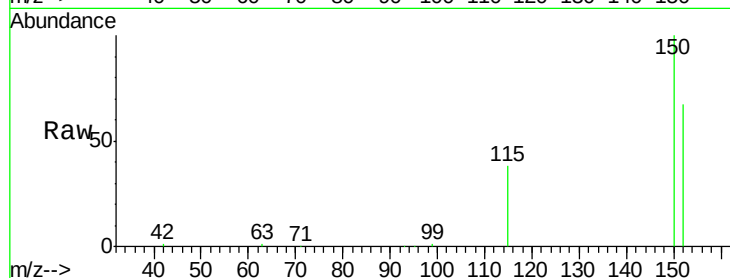
Tgt Ion: 152 Resp: 20620

Ion Ratio Lower Upper

152 100

150 149.1 123.9 185.9

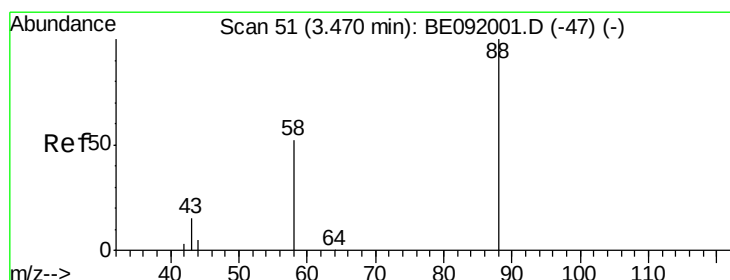
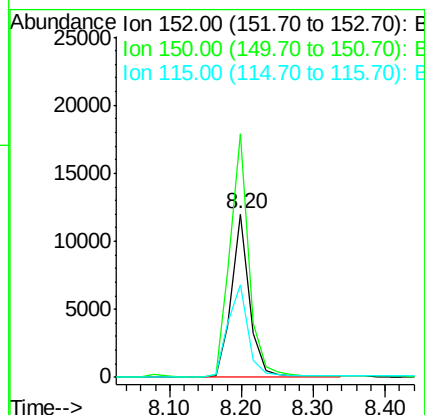
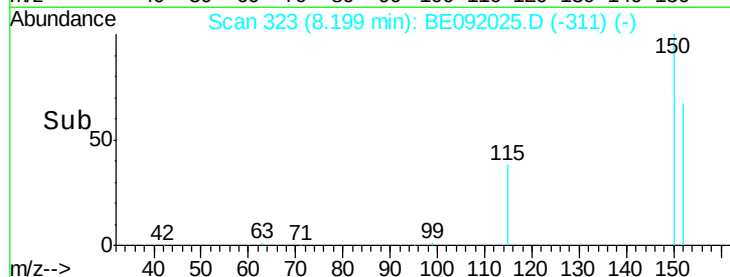
115 56.5 48.3 72.5



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

1,4-Dioxane

Concen: 0.41 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

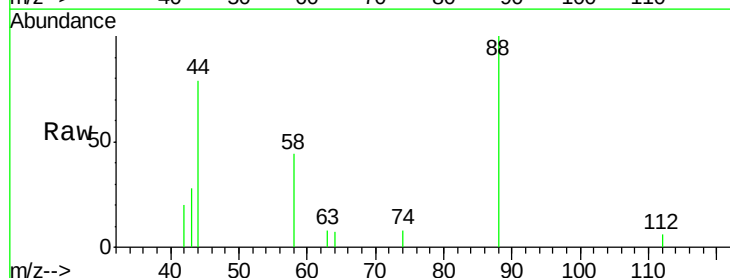
Tgt Ion: 88 Resp: 1132

Ion Ratio Lower Upper

88 100

58 85.2 63.0 94.4

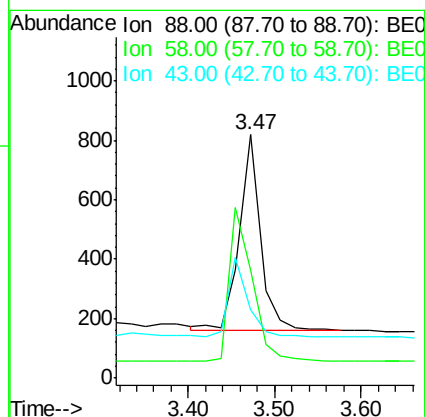
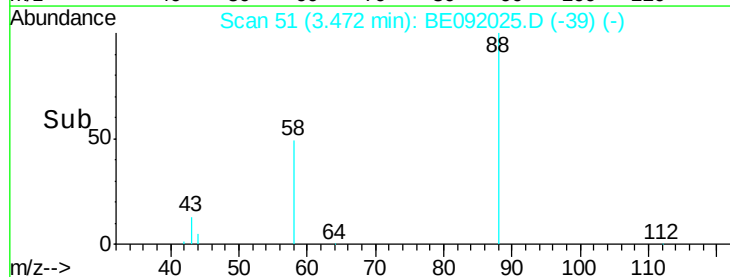
43 37.5 29.1 43.7

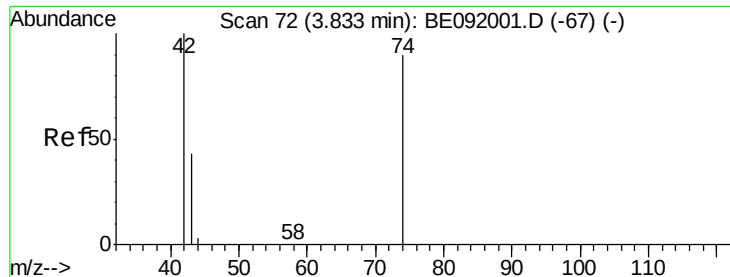


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.42 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

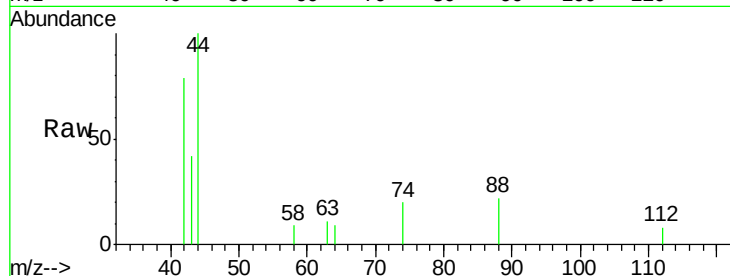
Tgt Ion: 42 Resp: 1300

Ion Ratio Lower Upper

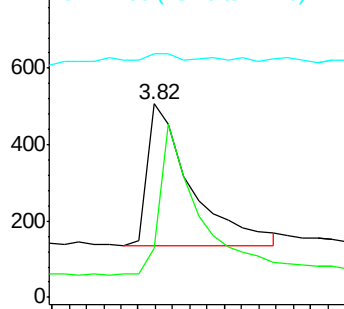
42 100

74 95.4 93.4 140.0

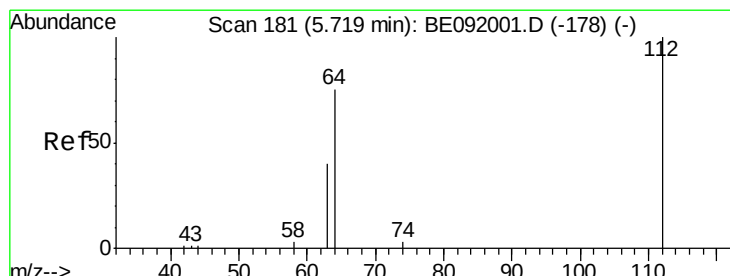
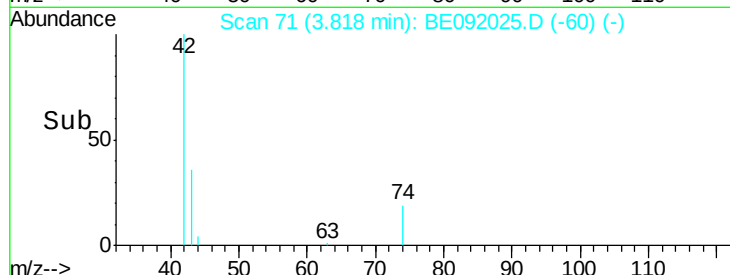
44 12.3 5.0 7.6#



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



Time--> 3.70 3.80 3.90 4.00



#4

2-Fluorophenol

Concen: 0.48 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

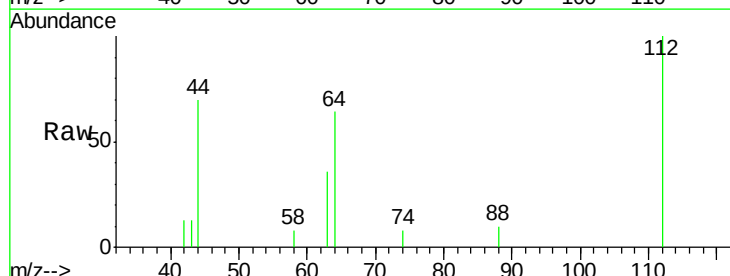
Tgt Ion: 112 Resp: 1899

Ion Ratio Lower Upper

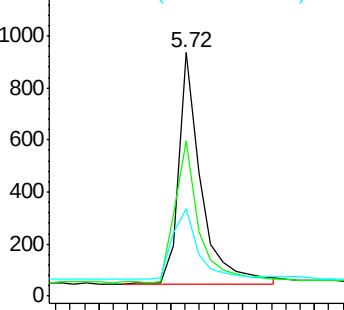
112 100

64 67.1 53.7 80.5

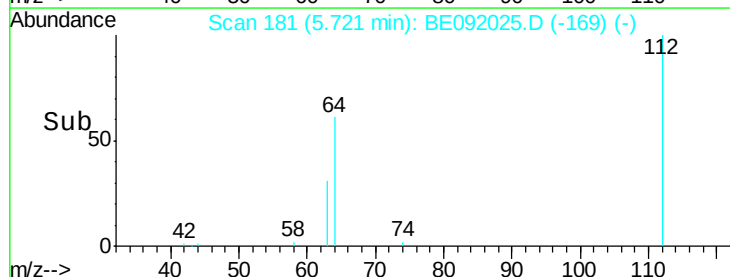
63 37.1 29.5 44.3

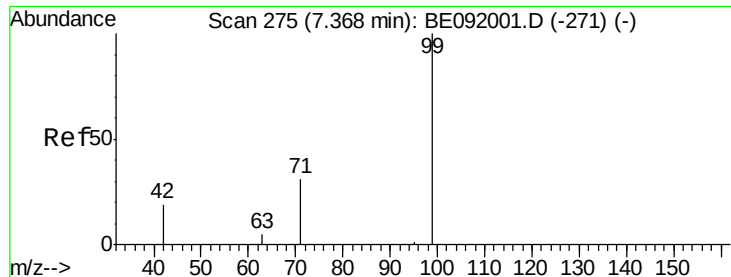


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time--> 5.60 5.70 5.80 5.90





#5

Phenol-d6

Concen: 0.47 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

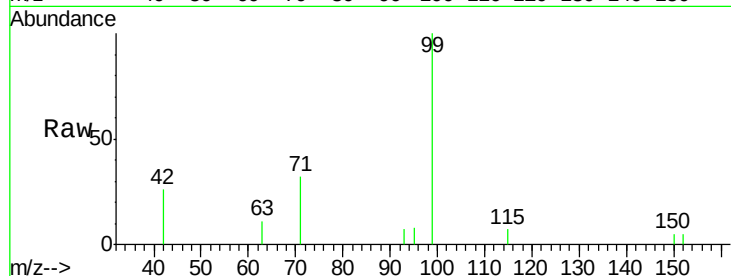
Tgt Ion: 99 Resp: 2563

Ion Ratio Lower Upper

99 100

42 25.8 19.6 29.4

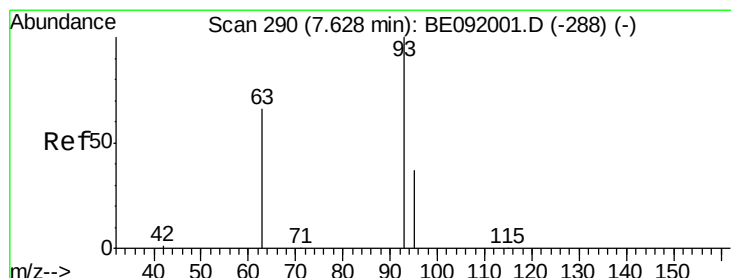
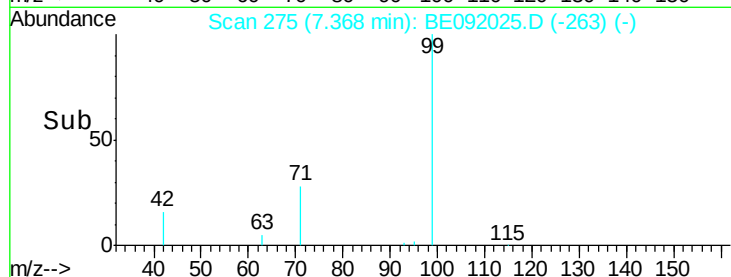
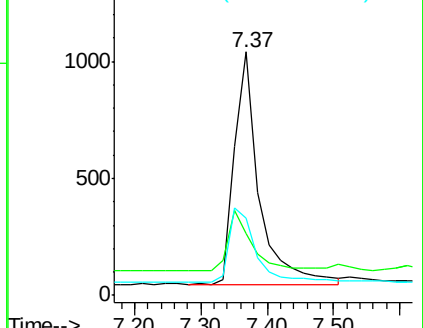
71 35.8 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.41 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

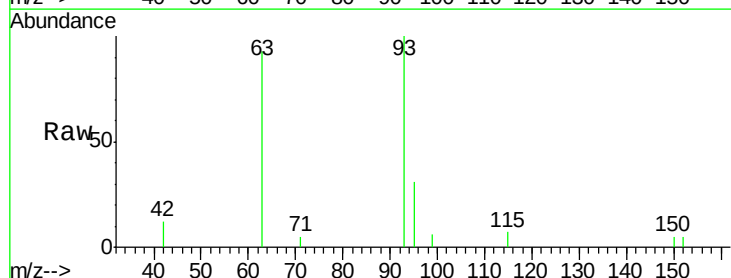
Tgt Ion: 93 Resp: 2424

Ion Ratio Lower Upper

93 100

63 79.4 66.2 99.4

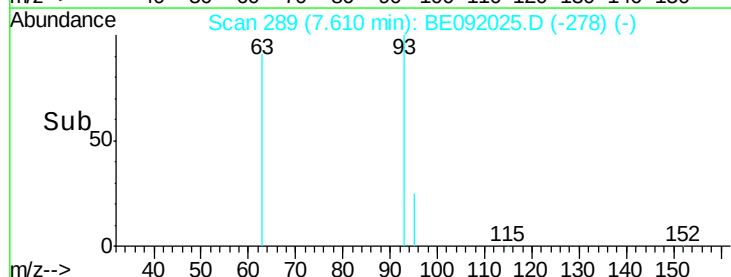
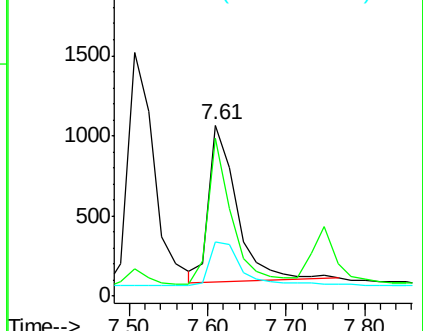
95 32.5 25.5 38.3

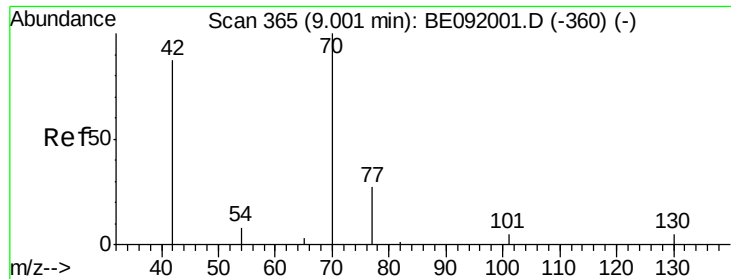


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.40 ng

RT: 9.00 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 70 Resp: 2024

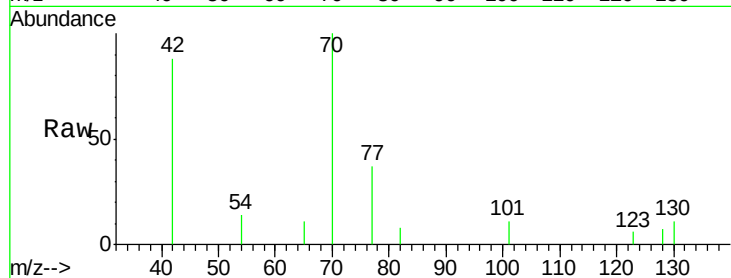
Ion Ratio Lower Upper

70 100

42 78.7 58.4 87.6

101 8.3 6.4 9.6

130 16.7 0.0 0.0#

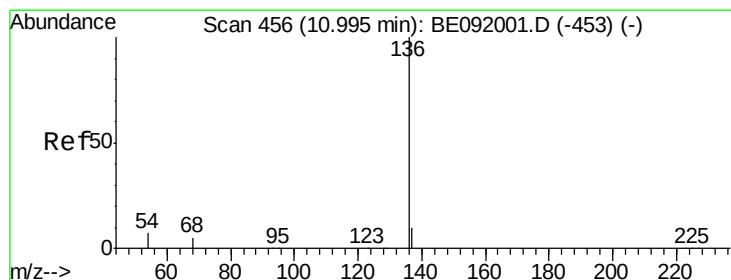
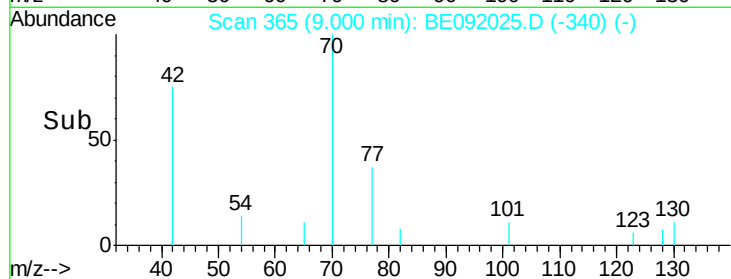
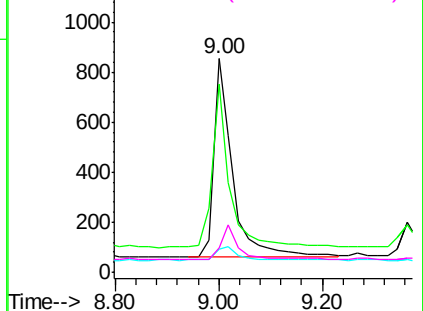


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Tgt Ion: 136 Resp: 100741

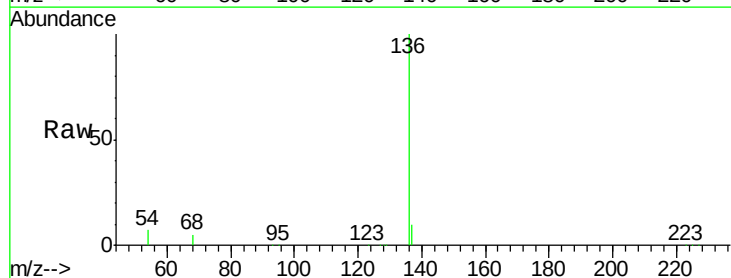
Ion Ratio Lower Upper

136 100

137 10.4 8.3 12.5

54 6.9 8.2 12.4#

68 5.2 5.9 8.9#

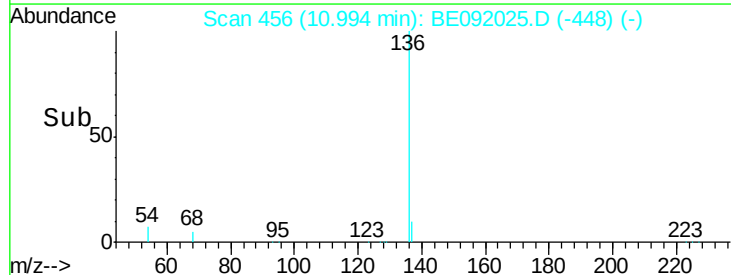
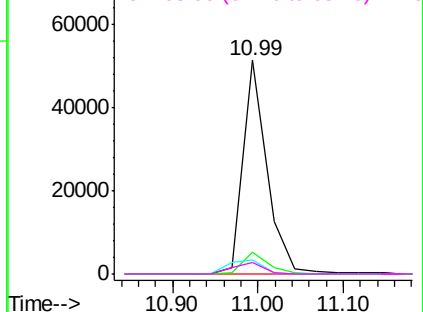


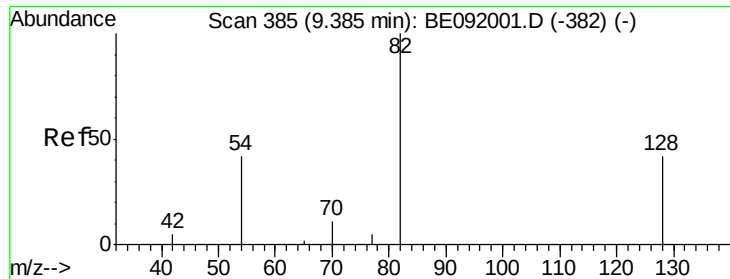
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

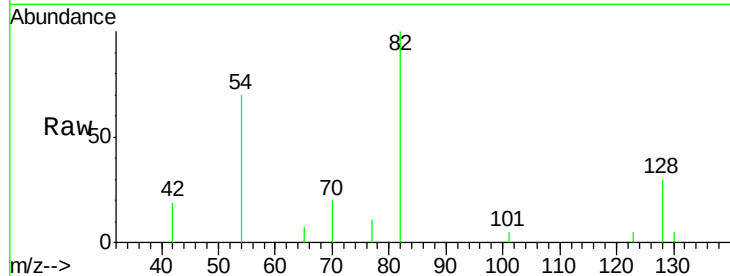




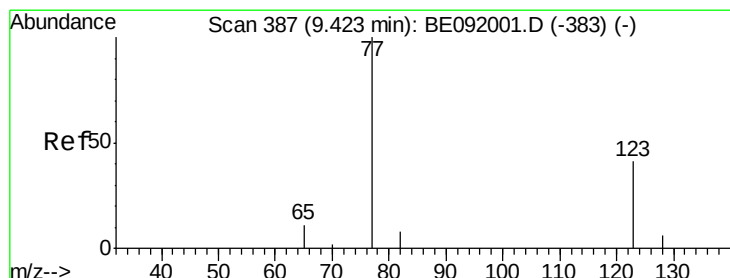
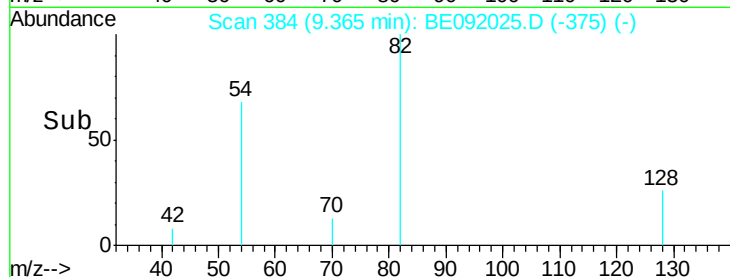
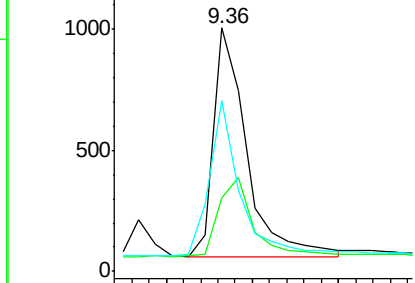
#9
 Nitrobenzene-d5
 Concen: 0.42 ng
 RT: 9.36 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: BE092025.D
 Acq: 23 Jul 2016 3:11

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Tgt Ion: 82 Resp: 2522
 Ion Ratio Lower Upper
 82 100
 128 30.1 39.5 59.3#
 54 70.0 30.3 45.5#

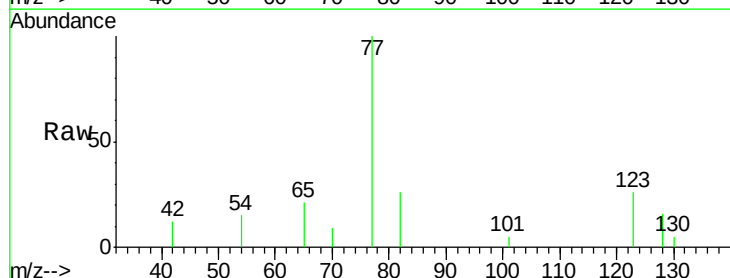


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

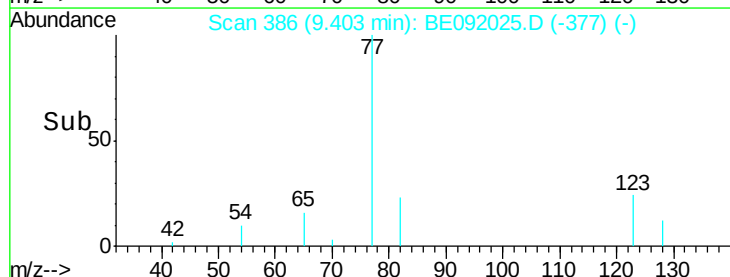
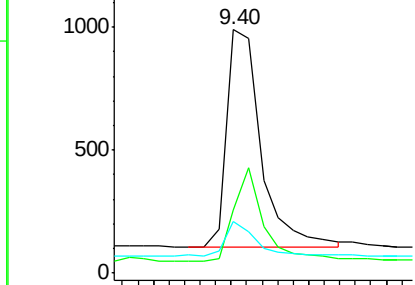


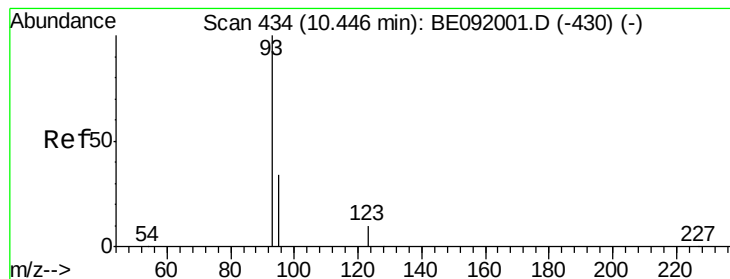
#10
 Nitrobenzene
 Concen: 0.45 ng
 RT: 9.40 min Scan# 386
 Delta R.T. -0.02 min
 Lab File: BE092025.D
 Acq: 23 Jul 2016 3:11

Tgt Ion: 77 Resp: 2736
 Ion Ratio Lower Upper
 77 100
 123 36.5 0.0 0.0#
 65 14.2 11.1 16.7



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





#11

bis(2-Chloroethoxy)methane

Concen: 0.49 ng

RT: 10.42 min Scan# 433

Delta R.T. -0.03 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

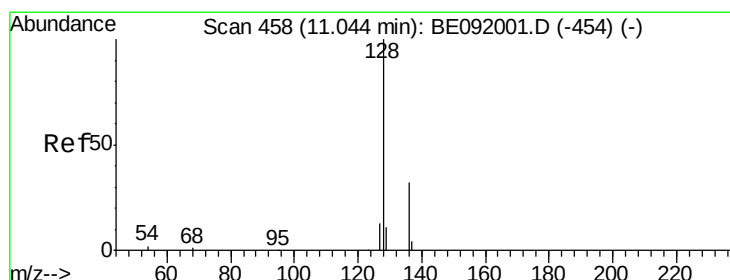
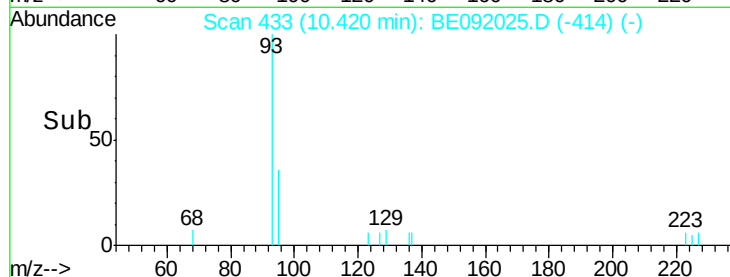
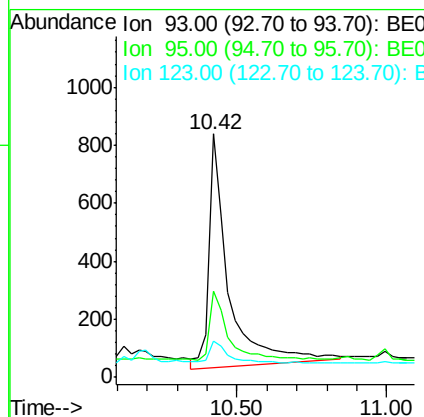
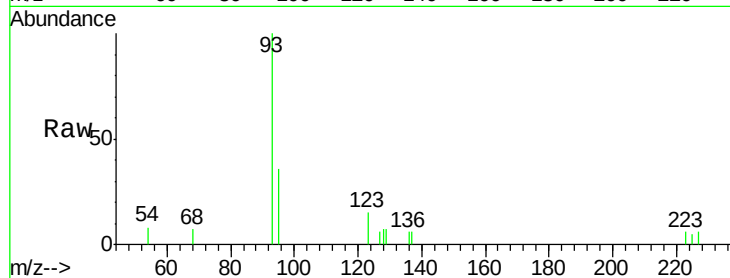
Tgt Ion: 93 Resp: 3680

Ion Ratio Lower Upper

93 100

95 39.9 57.6 86.4#

123 8.3 100.2 150.4#



#12

Naphthalene

Concen: 0.41 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

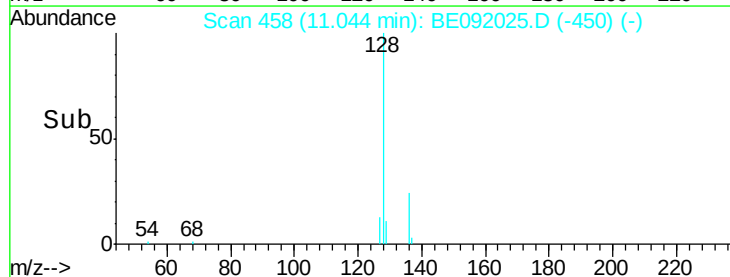
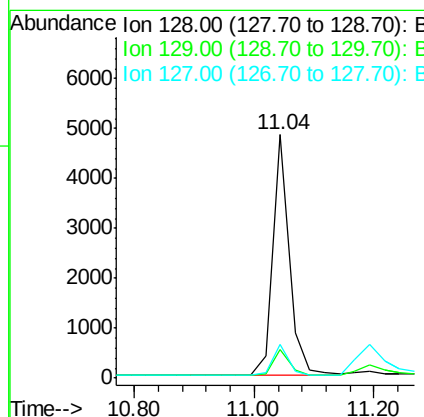
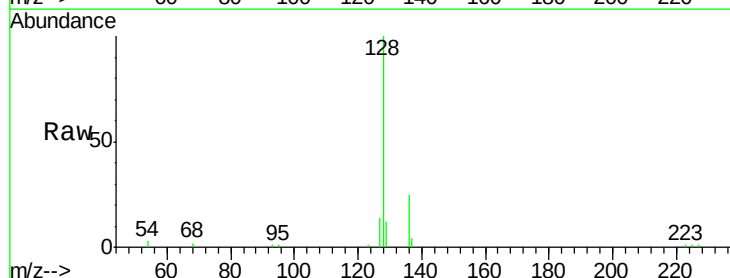
Tgt Ion: 128 Resp: 9313

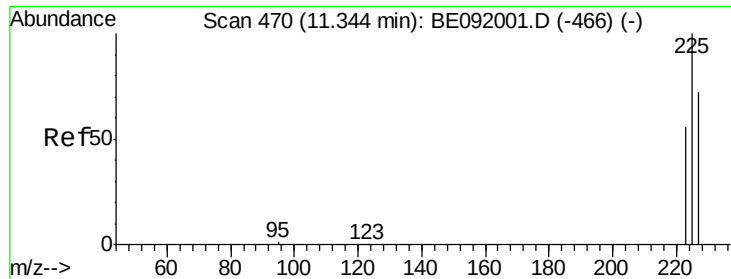
Ion Ratio Lower Upper

128 100

129 11.6 10.4 15.6

127 13.9 10.2 15.2

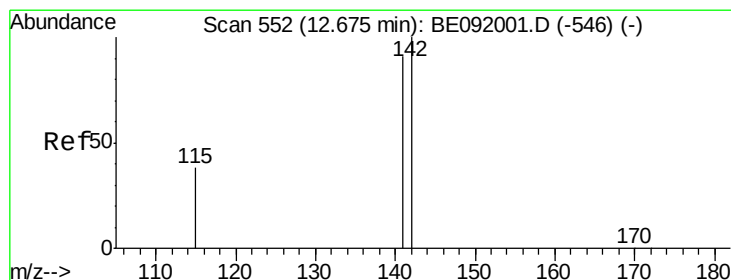
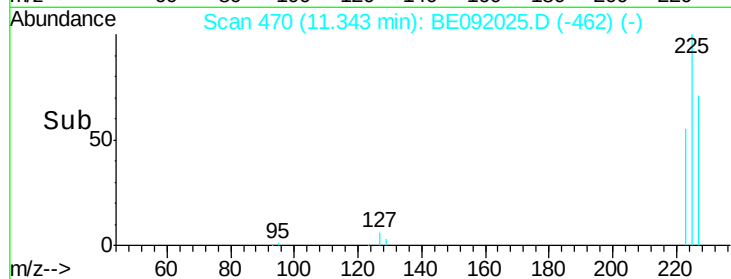
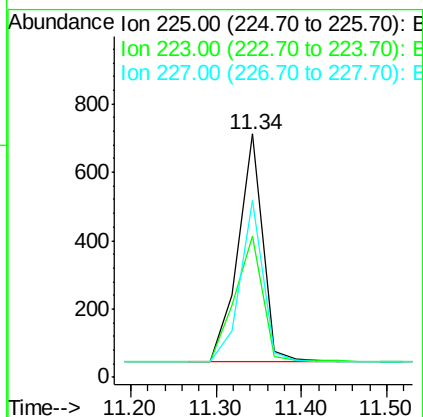
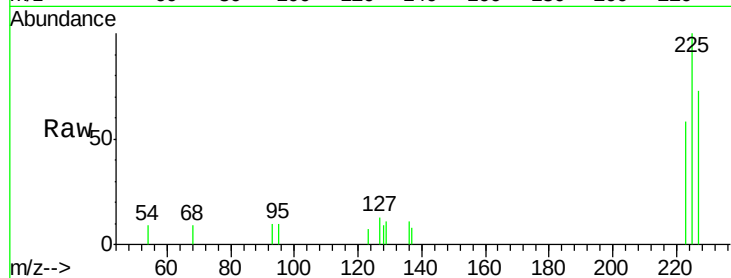




#13
Hexachlorobutadiene
Concen: 0.41 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE092025.D
Acq: 23 Jul 2016 3:11

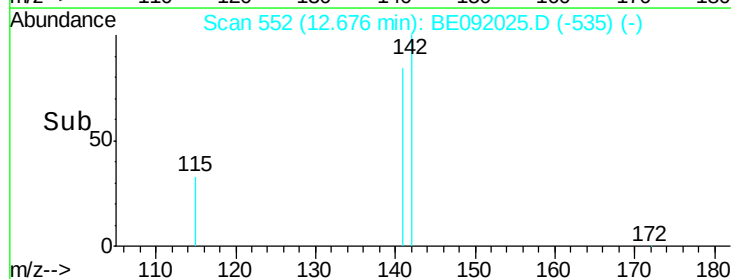
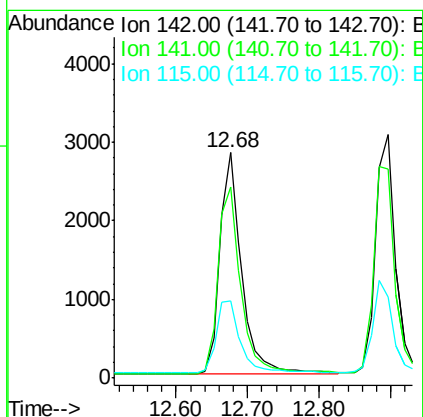
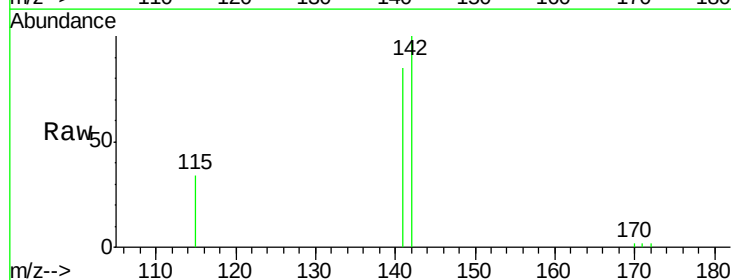
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

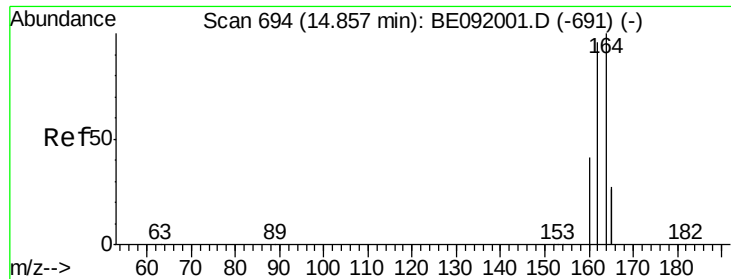
Tgt Ion: 225 Resp: 1356
Ion Ratio Lower Upper
225 100
223 61.1 49.8 74.8
227 65.7 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092025.D
Acq: 23 Jul 2016 3:11

Tgt Ion: 142 Resp: 5912
Ion Ratio Lower Upper
142 100
141 84.6 71.9 107.9
115 34.4 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

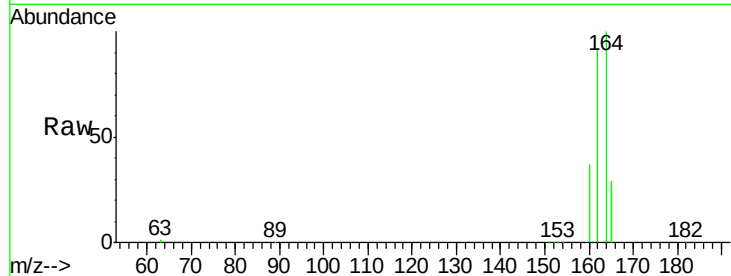
Tgt Ion:164 Resp: 64961

Ion Ratio Lower Upper

164 100

162 92.2 71.8 107.8

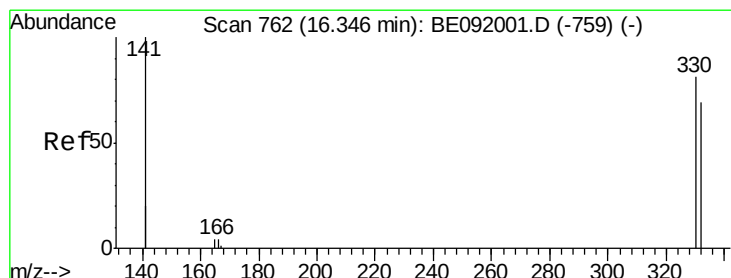
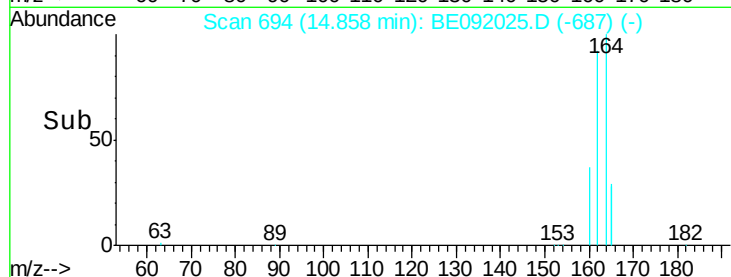
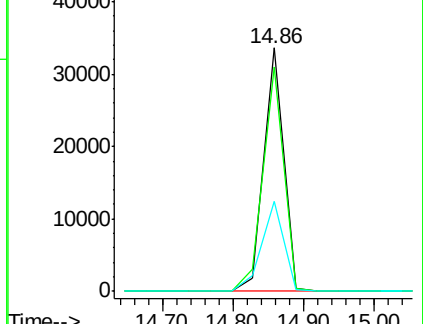
160 37.0 28.0 42.0



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



#16

2,4,6-Tribromophenol

Concen: 0.48 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

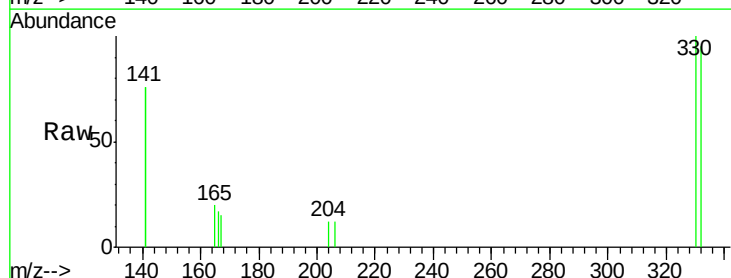
Tgt Ion:330 Resp: 689

Ion Ratio Lower Upper

330 100

332 98.7 77.0 115.6

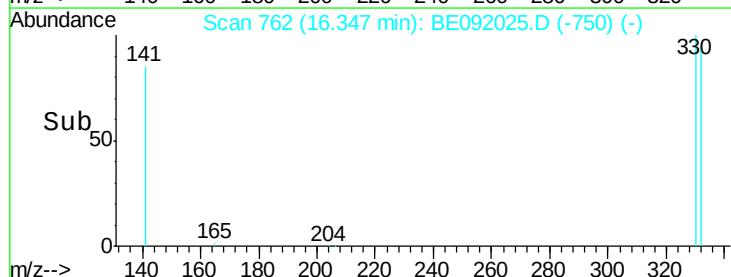
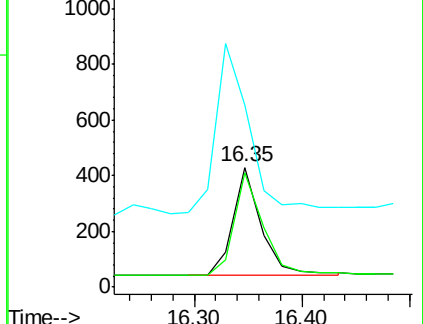
141 193.5 138.4 207.6

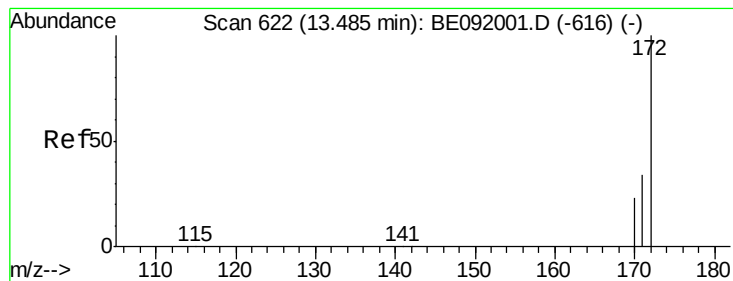


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

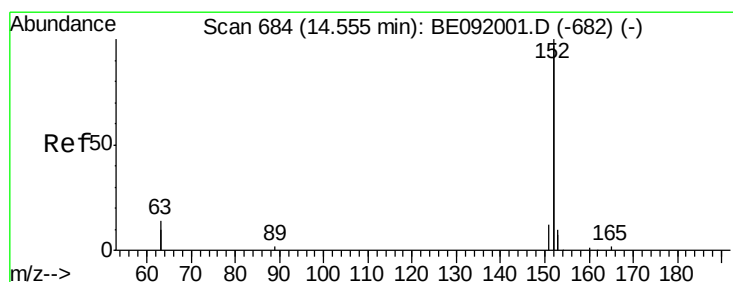
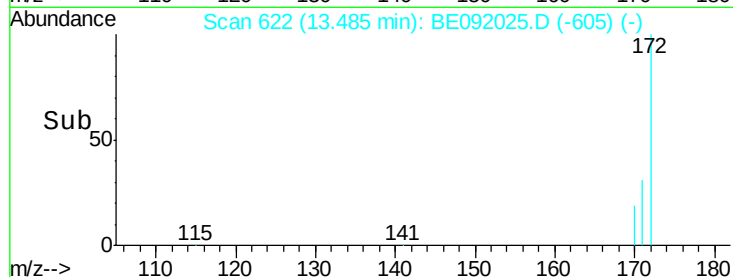
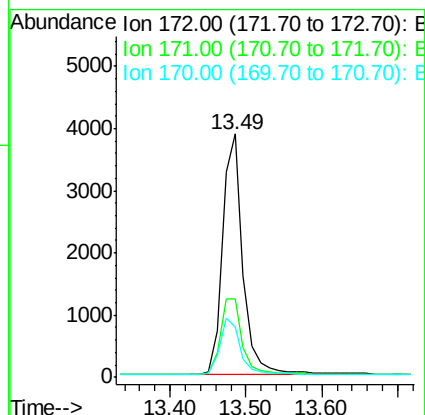
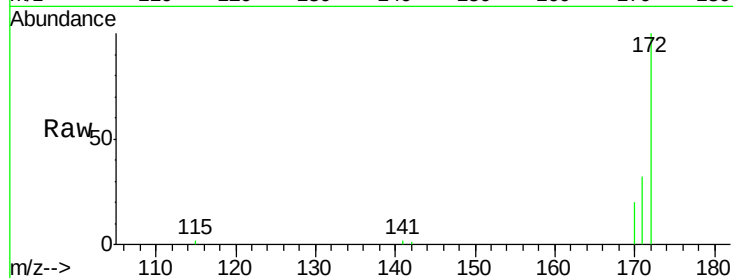




#17
2-Fluorobiphenyl
Concen: 0.42 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE092025.D
Acq: 23 Jul 2016 3:11

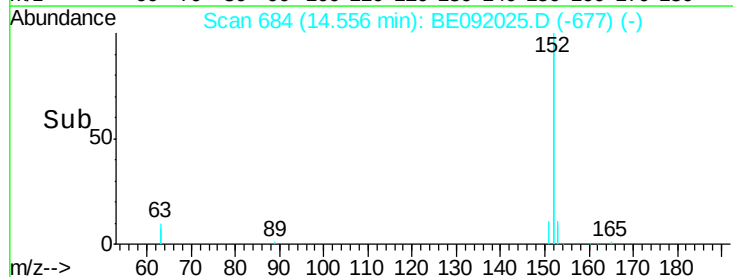
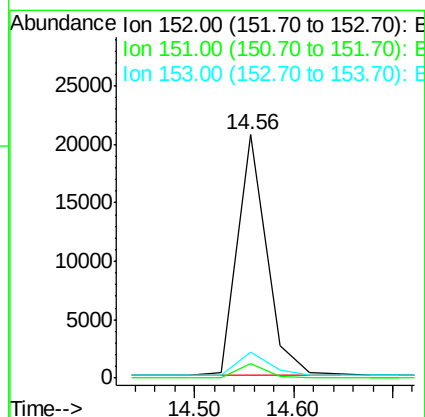
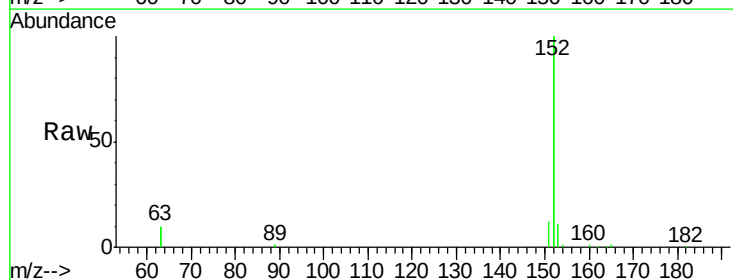
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

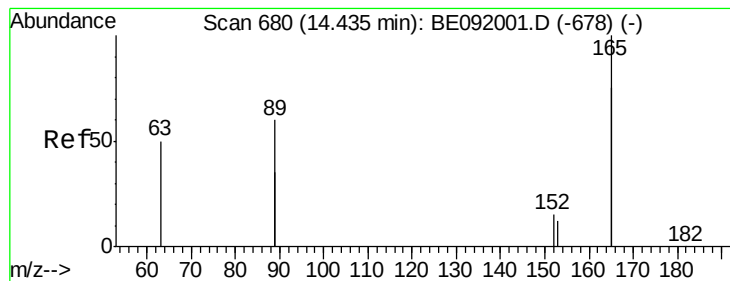
Tgt Ion:172 Resp: 7259
Ion Ratio Lower Upper
172 100
171 32.1 24.3 36.5
170 20.5 14.9 22.3



#18
Acenaphthylene
Concen: 0.43 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092025.D
Acq: 23 Jul 2016 3:11

Tgt Ion:152 Resp: 42928
Ion Ratio Lower Upper
152 100
151 5.4 19.4 29.2#
153 11.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.43 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

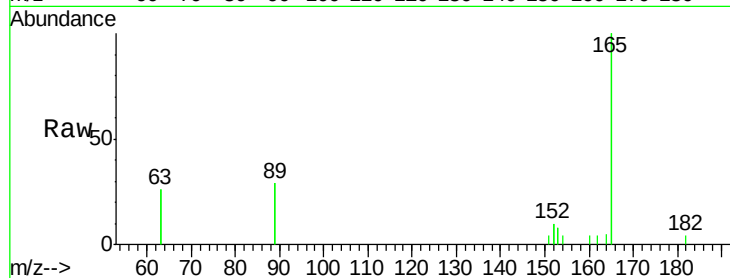
Tgt Ion:165 Resp: 5026

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

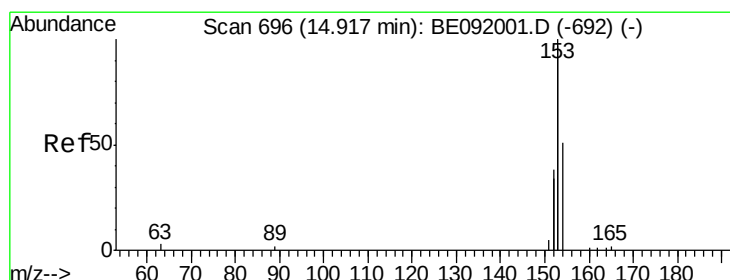
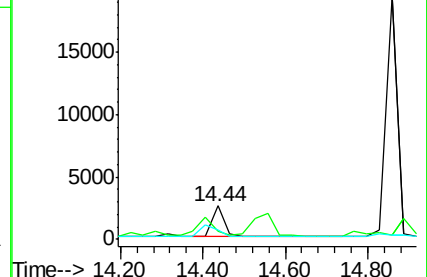
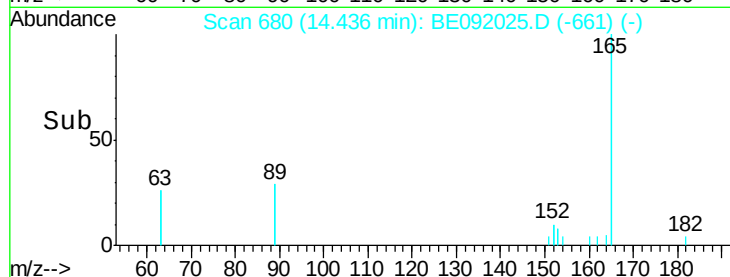
89 0.0 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.40 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

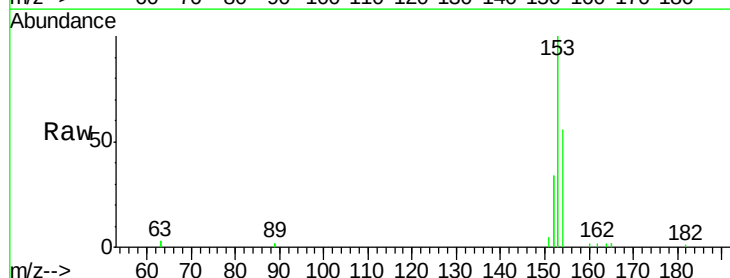
Tgt Ion:154 Resp: 6840

Ion Ratio Lower Upper

154 100

153 385.2 88.1 132.1#

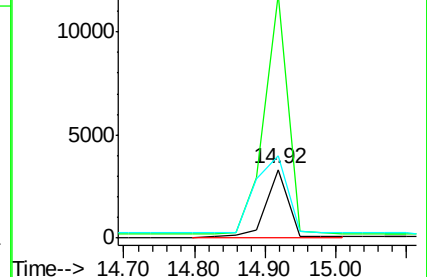
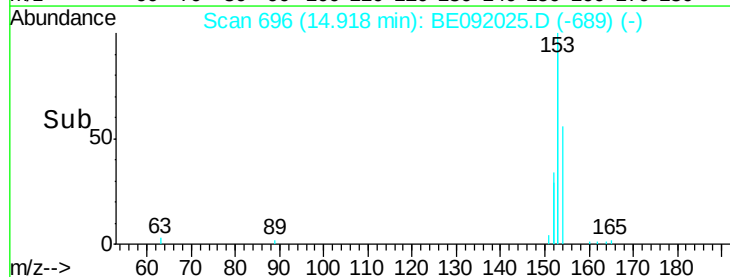
152 172.4 44.2 66.2#

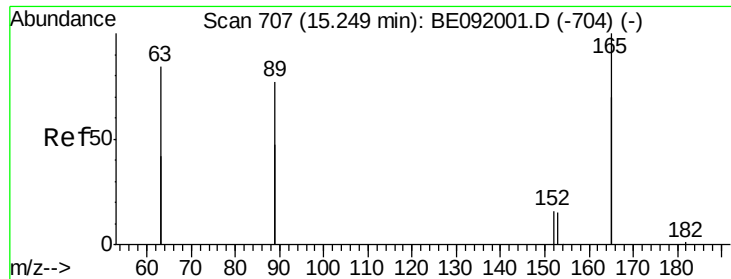


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

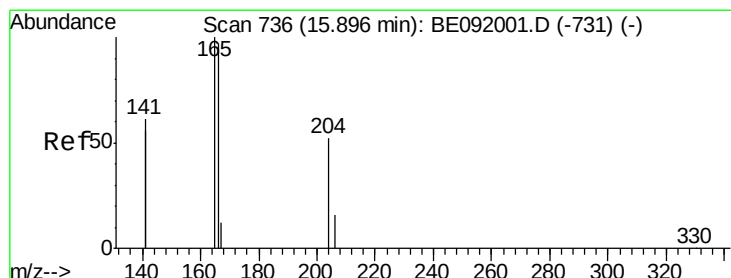
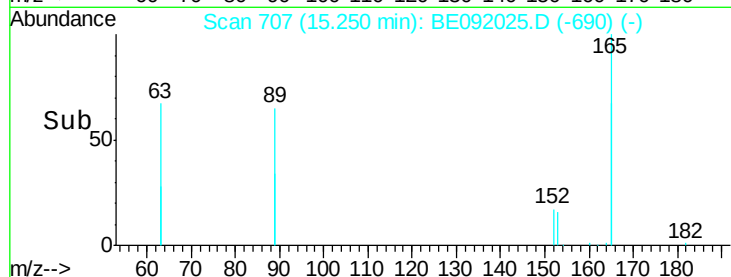
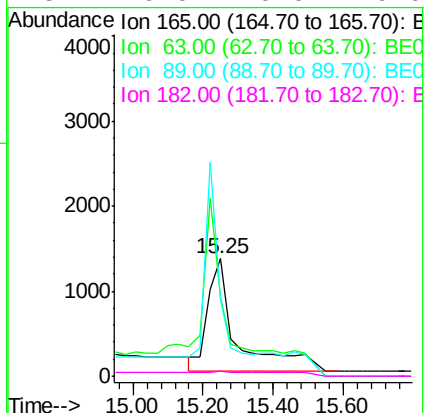
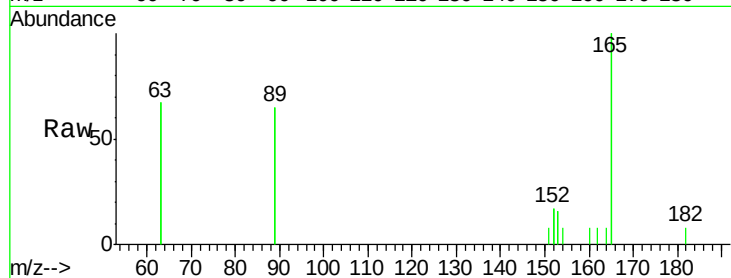




#21
2,4-Dinitrotoluene
Concen: 0.75 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092025.D
Acq: 23 Jul 2016 3:11

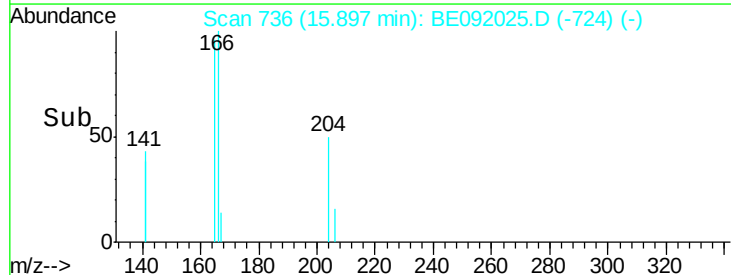
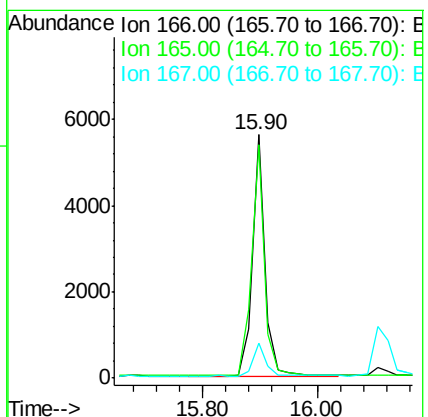
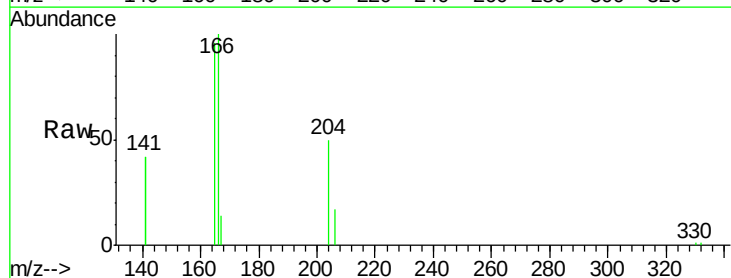
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

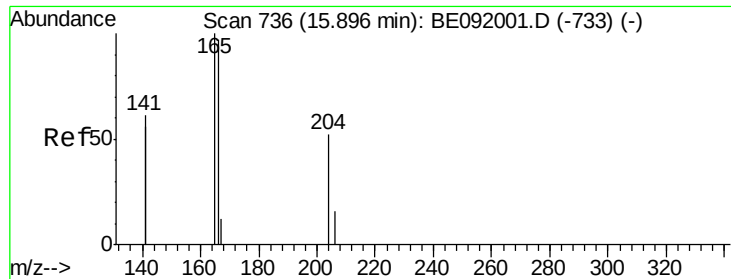
Tgt Ion:165 Resp: 7764
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.0 0.0 0.0



#22
Fluorene
Concen: 0.42 ng
RT: 15.90 min Scan# 736
Delta R.T. 0.00 min
Lab File: BE092025.D
Acq: 23 Jul 2016 3:11

Tgt Ion:166 Resp: 8558
Ion Ratio Lower Upper
166 100
165 99.1 78.6 117.8
167 13.7 10.8 16.2

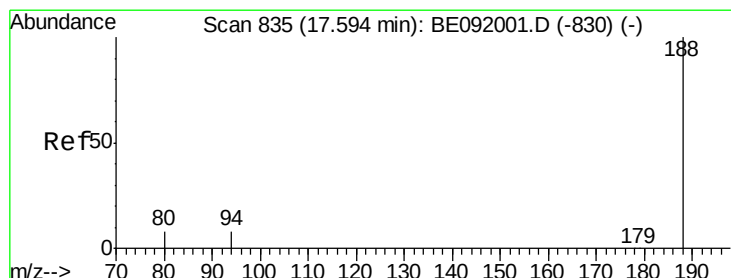
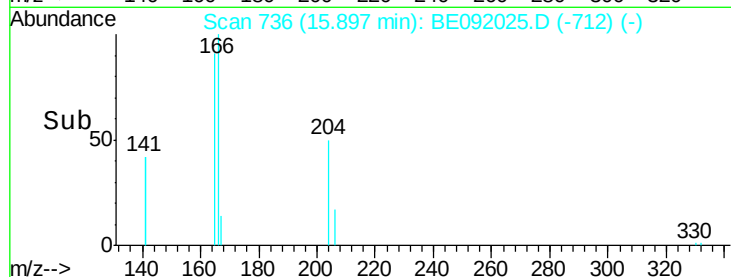
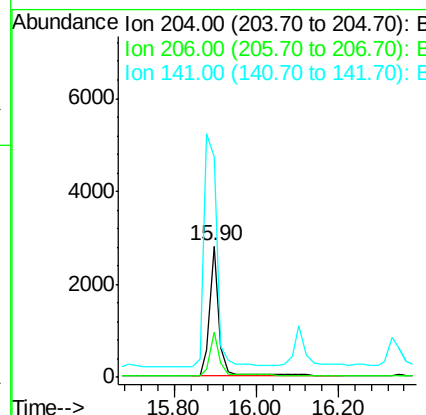
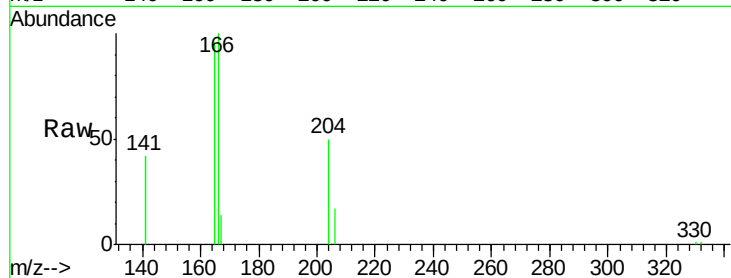




#23
 4-Chlorophenyl-phenylether
 Concen: 0.42 ng
 RT: 15.90 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BE092025.D
 Acq: 23 Jul 2016 3:11

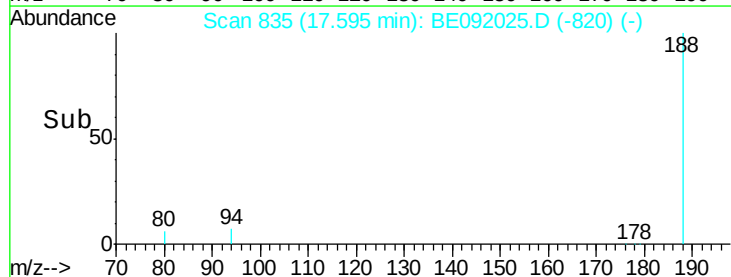
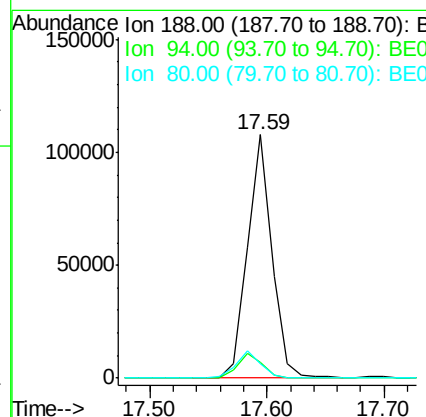
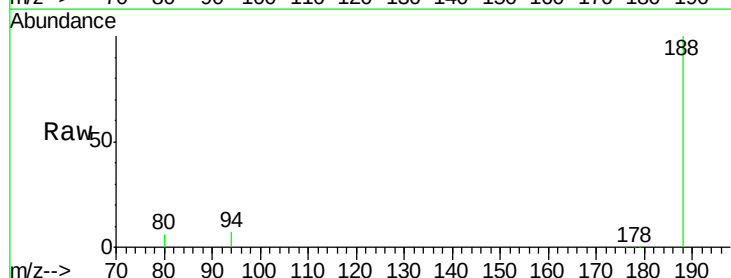
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

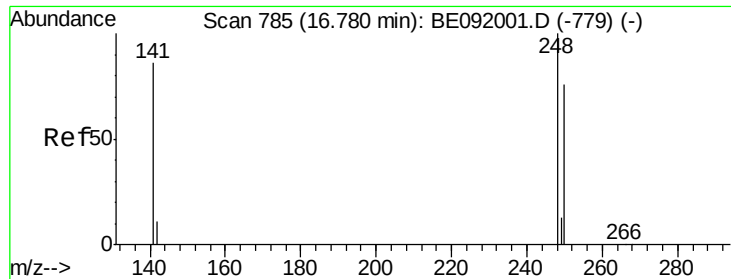
Tgt Ion: 204 Resp: 4265
 Ion Ratio Lower Upper
 204 100
 206 33.2 27.8 41.6
 141 256.2 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE092025.D
 Acq: 23 Jul 2016 3:11

Tgt Ion: 188 Resp: 156980
 Ion Ratio Lower Upper
 188 100
 94 6.7 4.1 6.1#
 80 6.0 3.4 5.2#

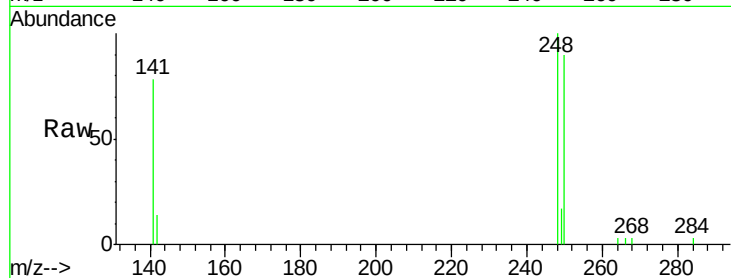




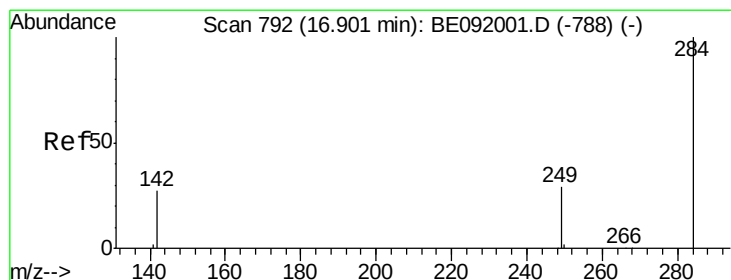
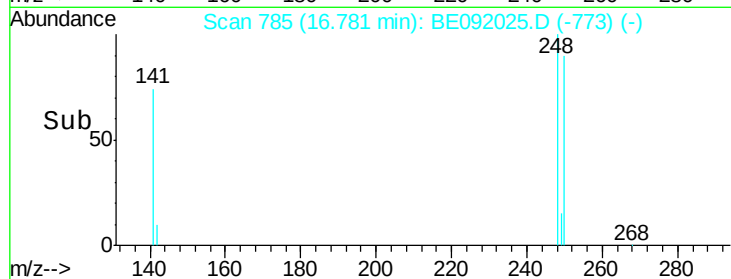
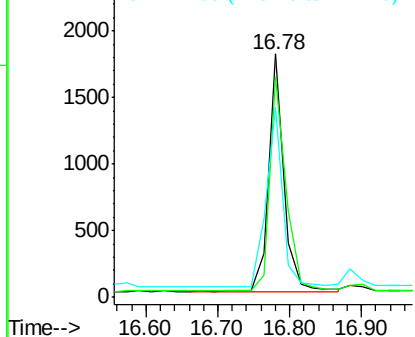
#25
4-Bromophenyl-phenylether
Concen: 0.40 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE092025.D
Acq: 23 Jul 2016 3:11

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 2628
Ion Ratio Lower Upper
248 100
250 96.4 75.7 113.5
141 83.9 64.6 97.0

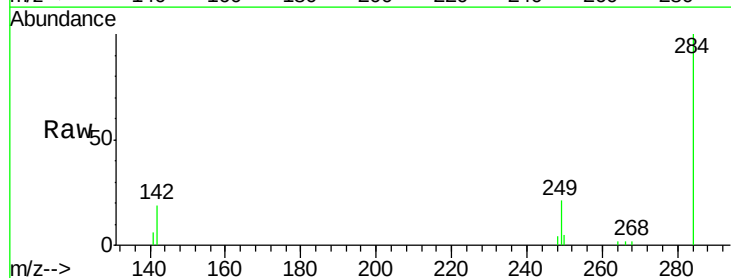


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

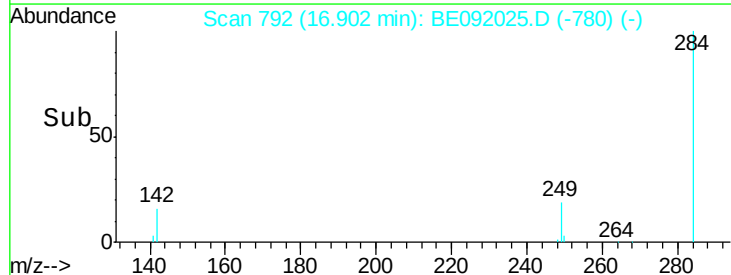
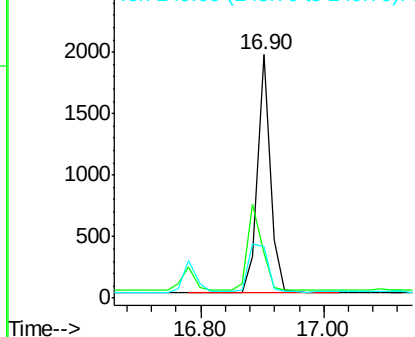


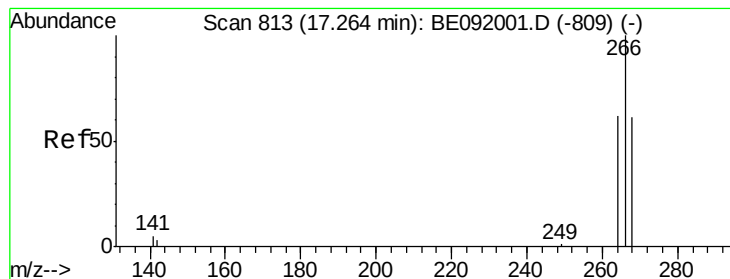
#26
Hexachlorobenzene
Concen: 0.42 ng
RT: 16.90 min Scan# 792
Delta R.T. 0.00 min
Lab File: BE092025.D
Acq: 23 Jul 2016 3:11

Tgt Ion:284 Resp: 2800
Ion Ratio Lower Upper
284 100
142 40.0 31.4 47.2
249 30.0 25.3 37.9



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 0.52 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

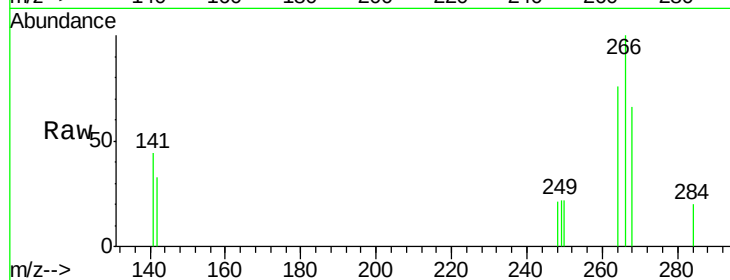
Tgt Ion:266 Resp: 560

Ion Ratio Lower Upper

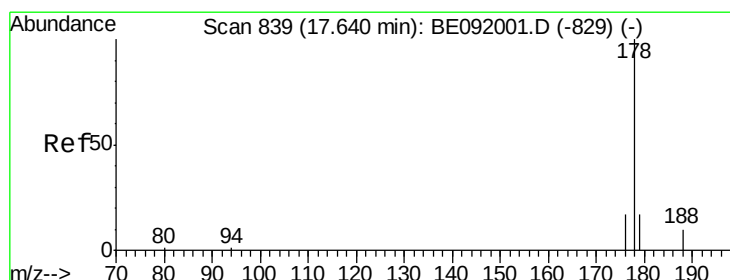
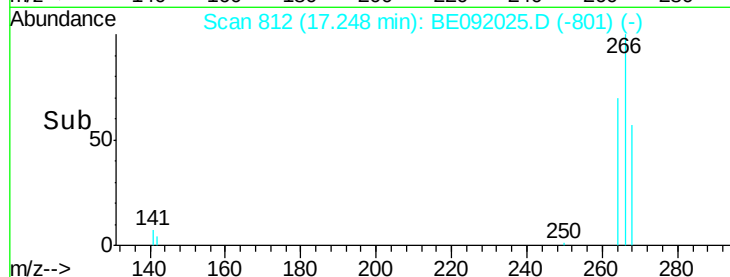
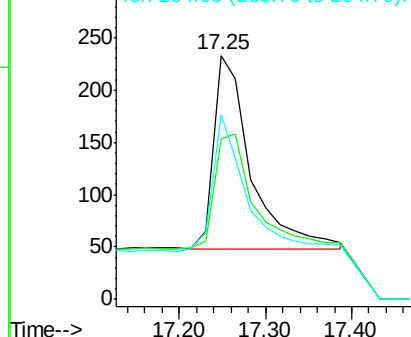
266 100

268 66.1 60.5 90.7

264 76.0 51.0 76.4



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



#28

Phenanthrene

Concen: 0.41 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

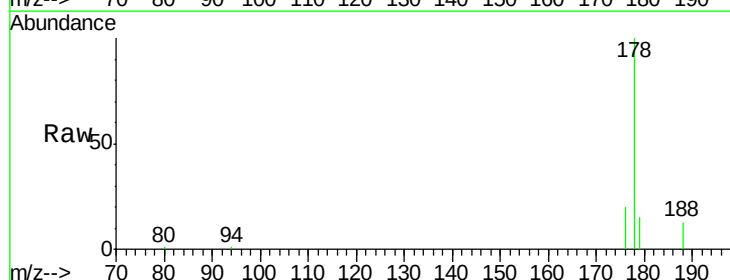
Tgt Ion:178 Resp: 16608

Ion Ratio Lower Upper

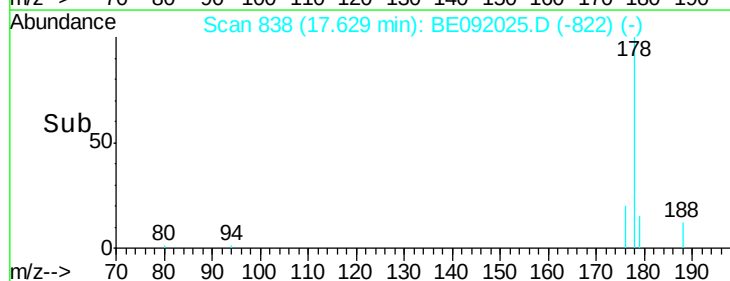
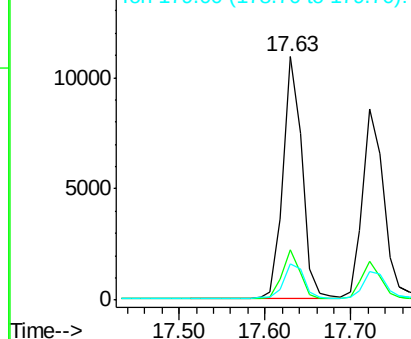
178 100

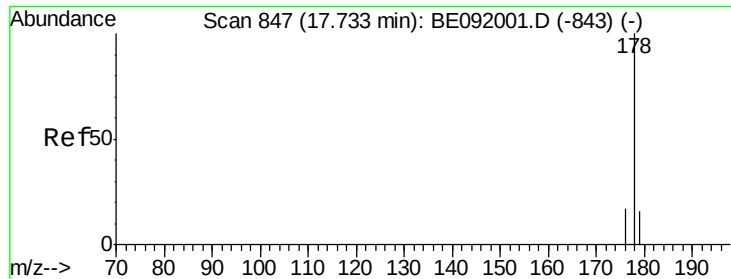
176 19.1 15.4 23.2

179 16.3 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.40 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

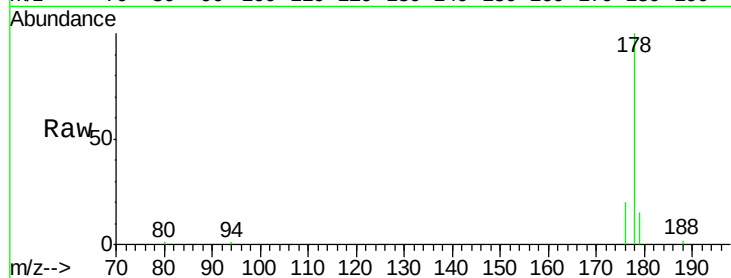
Tgt Ion:178 Resp: 14855

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

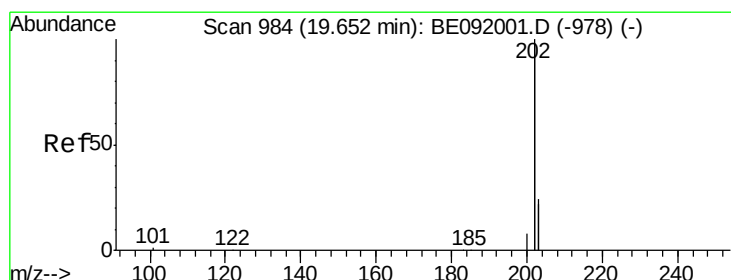
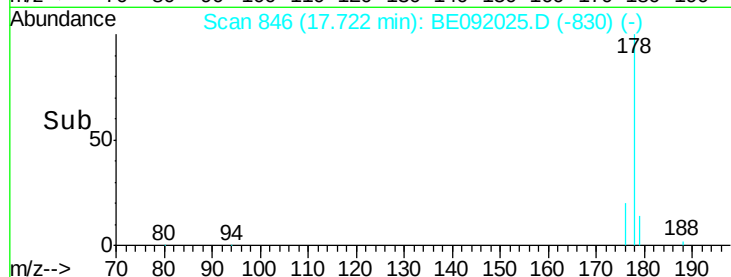
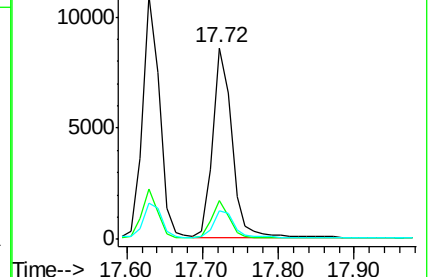
179 14.9 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.41 ng

RT: 19.63 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

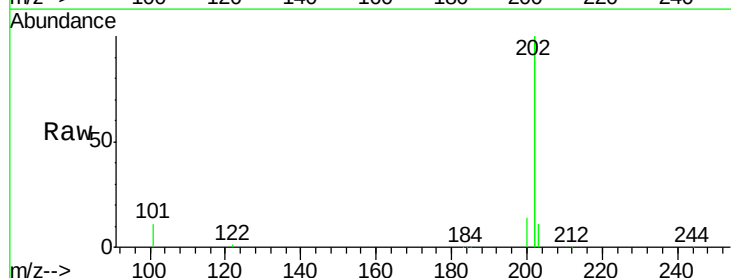
Tgt Ion:202 Resp: 66006

Ion Ratio Lower Upper

202 100

101 3.1 9.4 14.0#

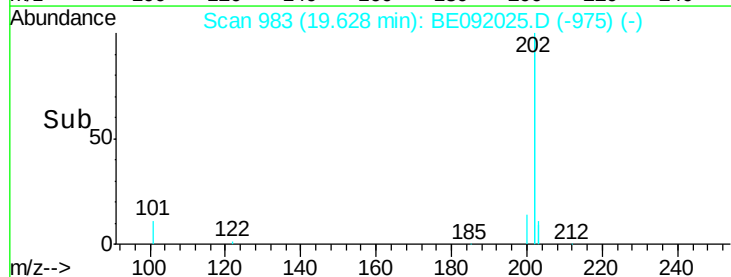
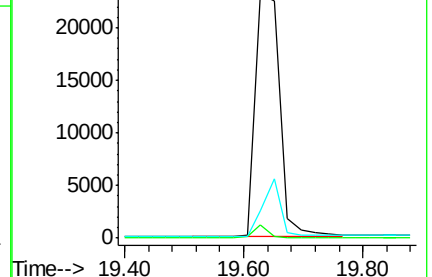
203 0.0 14.3 21.5#

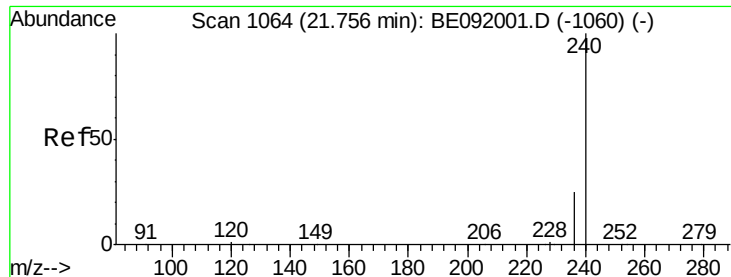


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

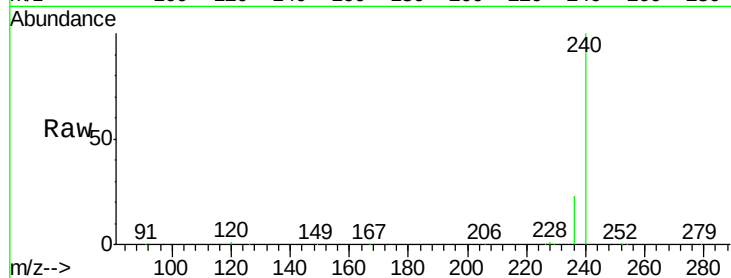
Tgt Ion:240 Resp: 192659

Ion Ratio Lower Upper

240 100

120 0.7 1.2 1.8#

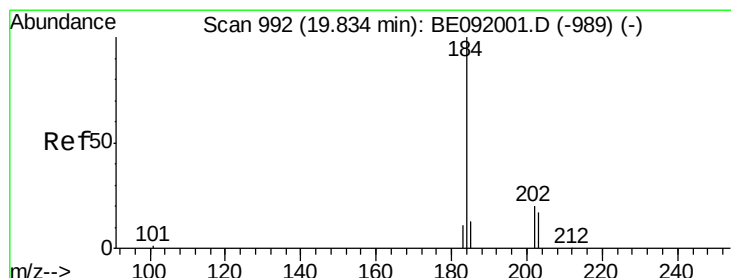
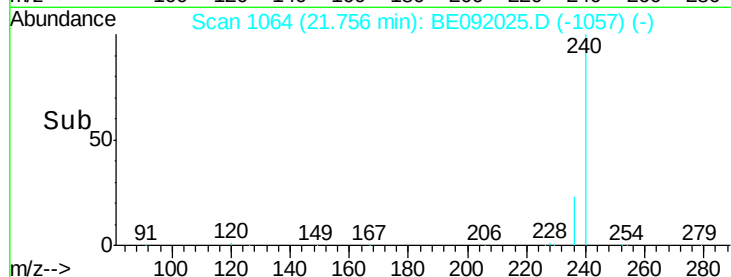
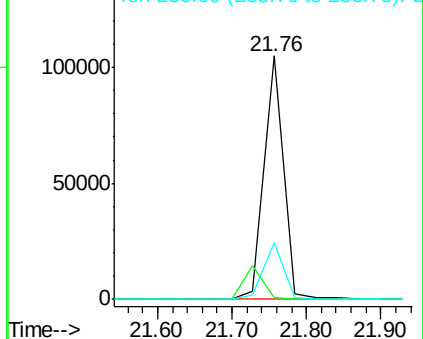
236 23.2 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 0.57 ng

RT: 19.83 min Scan# 992

Delta R.T. -0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

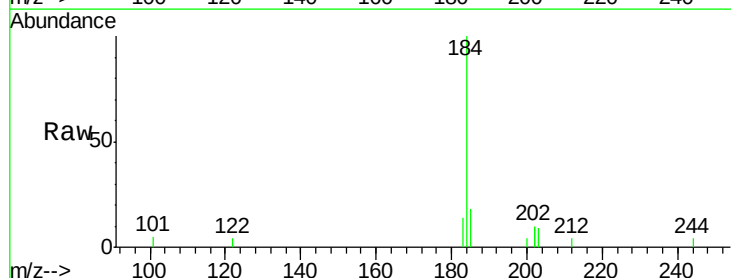
Tgt Ion:184 Resp: 3685

Ion Ratio Lower Upper

184 100

185 17.5 11.4 17.2#

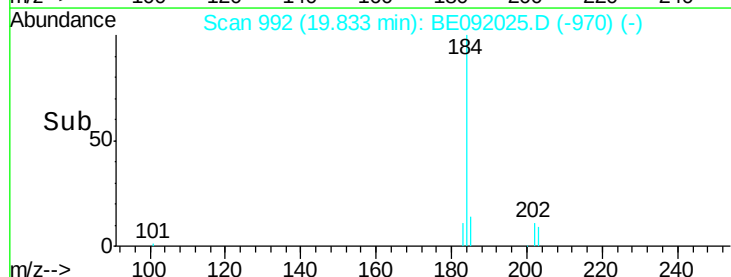
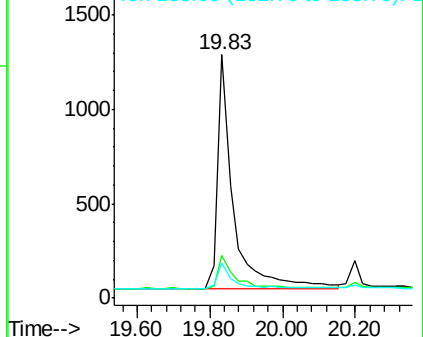
183 14.3 11.8 17.6

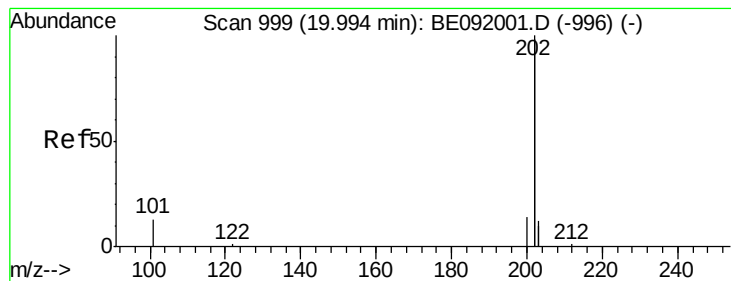


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.53 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

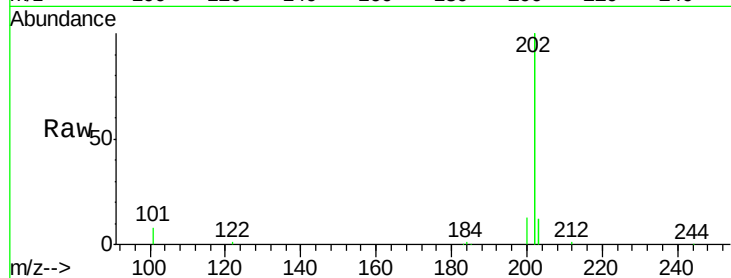
Tgt Ion:202 Resp: 74610

Ion Ratio Lower Upper

202 100

200 5.6 16.9 25.3#

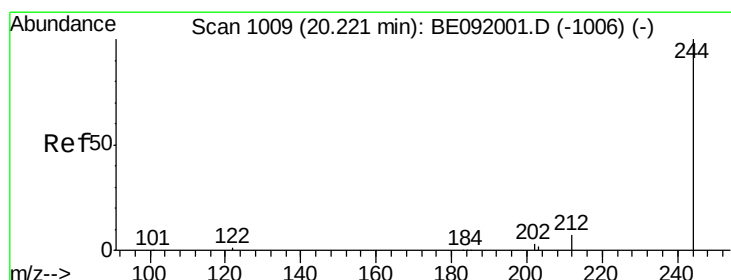
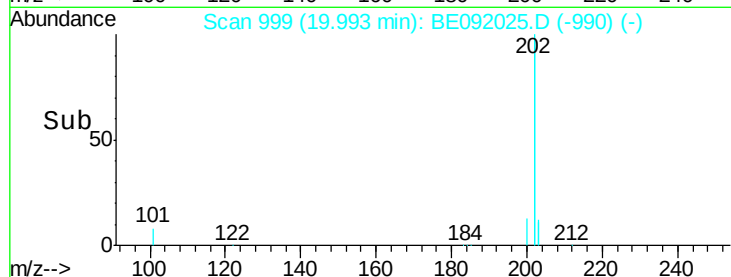
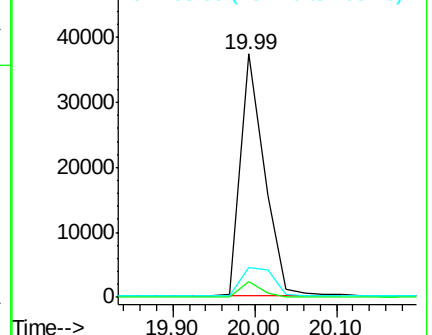
203 16.3 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 0.47 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

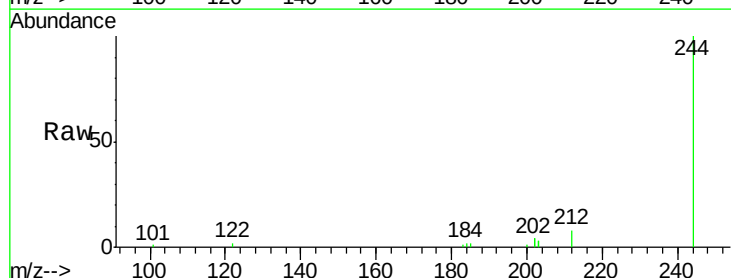
Tgt Ion:244 Resp: 9141

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

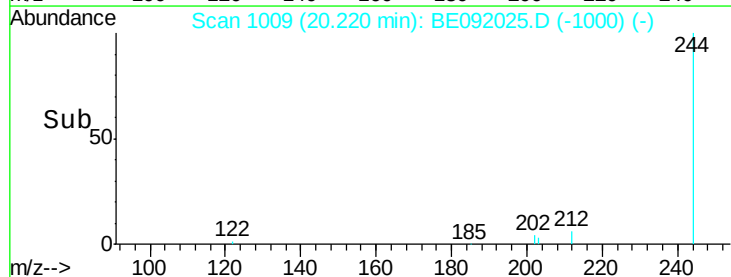
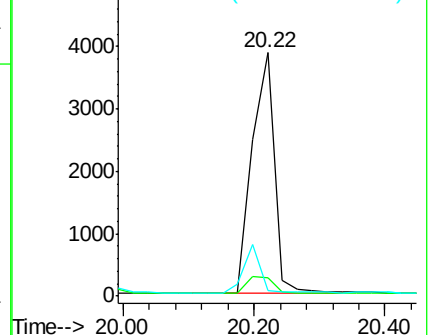
122 2.3 2.9 4.3#

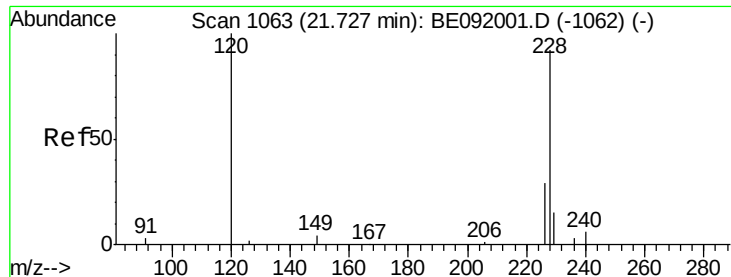


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 1.17 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

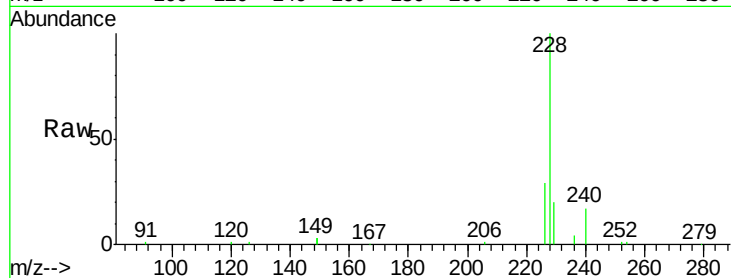
Tgt Ion:228 Resp: 50830

Ion Ratio Lower Upper

228 100

226 28.6 21.0 31.4

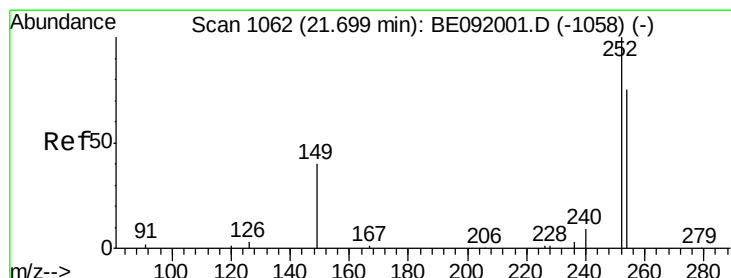
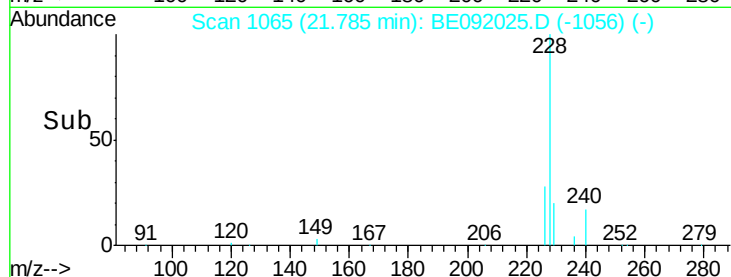
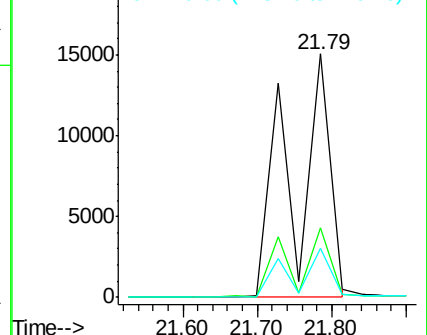
229 20.0 15.8 23.8



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



#36

3,3'-Dichlorobenzidine

Concen: 0.66 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

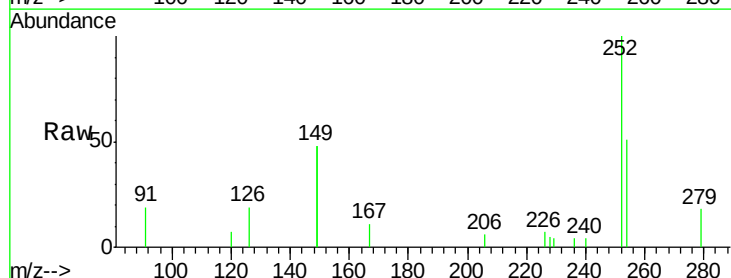
Tgt Ion:252 Resp: 3846

Ion Ratio Lower Upper

252 100

254 51.0 61.5 92.3#

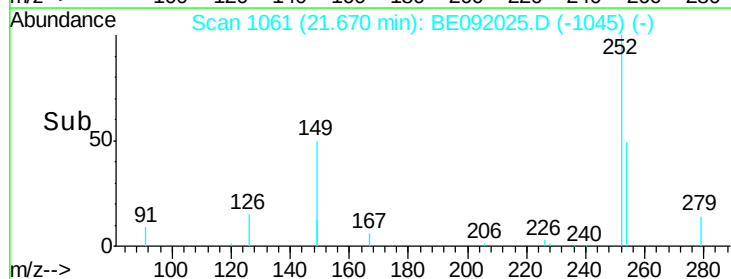
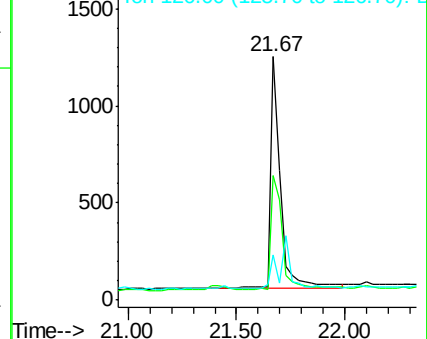
126 18.7 2.5 3.7#

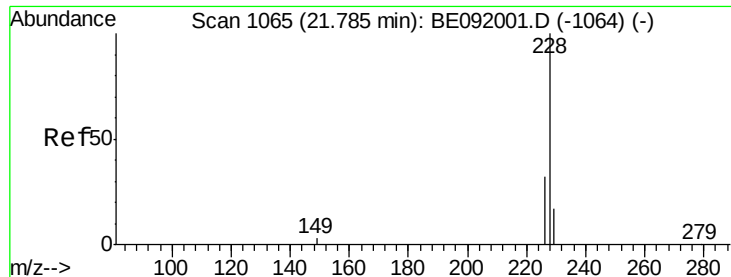


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.97 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

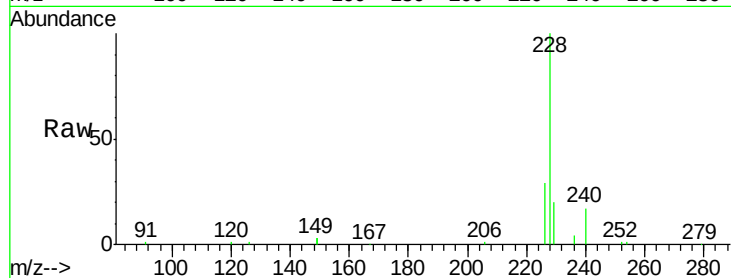
Tgt Ion:228 Resp: 51245

Ion Ratio Lower Upper

228 100

226 28.6 27.0 40.6

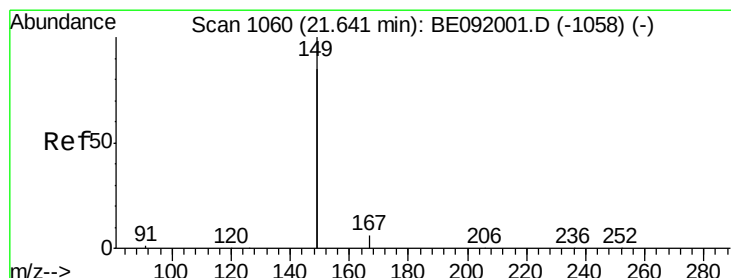
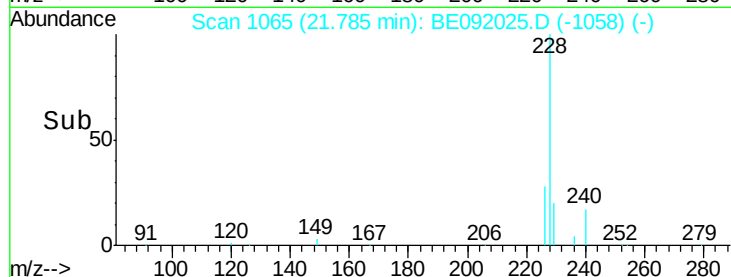
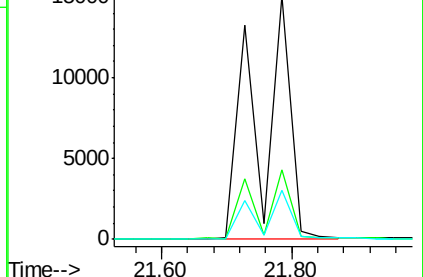
229 20.0 13.8 20.8



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.84 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

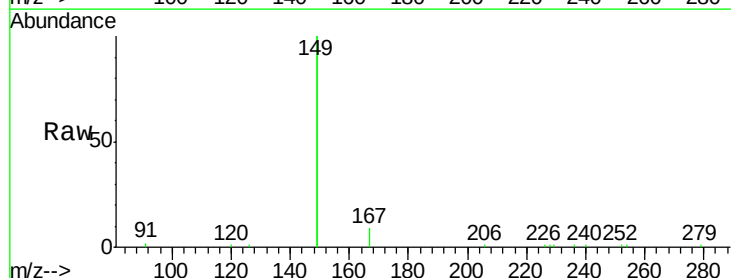
Tgt Ion:149 Resp: 29142

Ion Ratio Lower Upper

149 100

167 4.6 0.0 0.0#

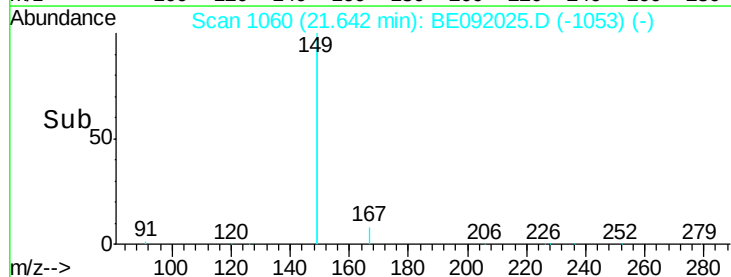
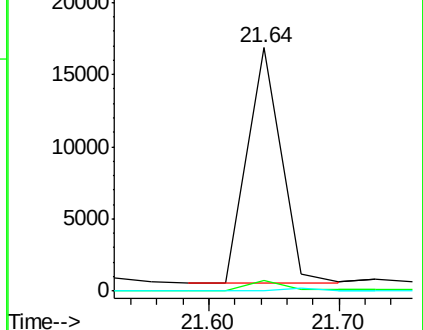
279 0.0 0.0 0.0

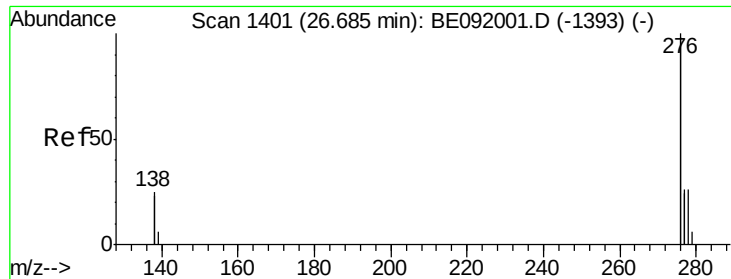


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

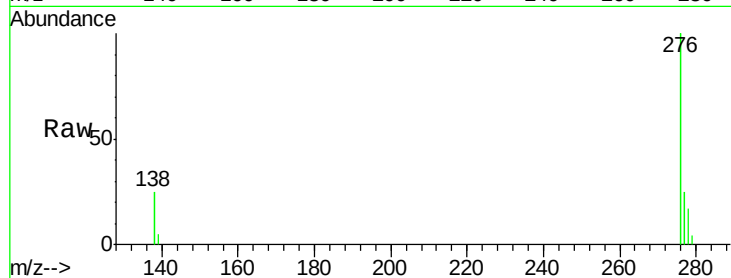




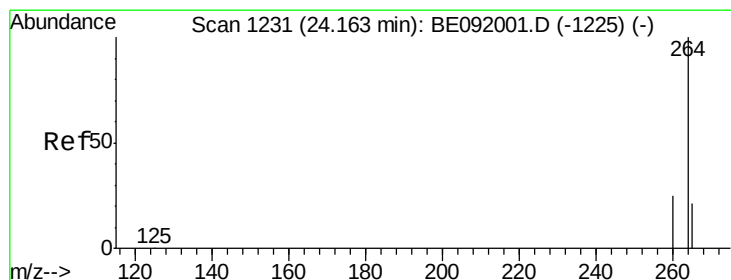
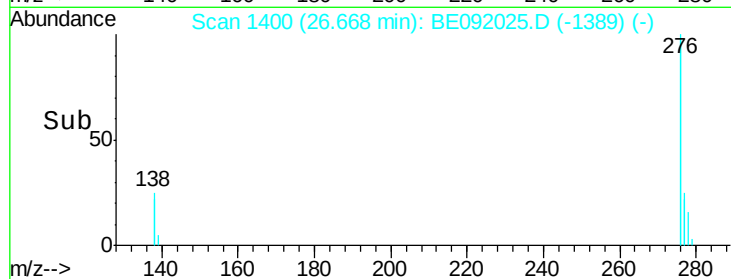
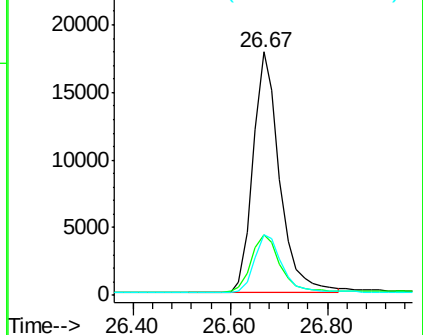
#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.47 ng
 RT: 26.67 min Scan# 1400
 Delta R.T. -0.02 min
 Lab File: BE092025.D
 Acq: 23 Jul 2016 3:11

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion: 276 Resp: 68601
 Ion Ratio Lower Upper
 276 100
 138 25.9 19.7 29.5
 277 24.9 20.1 30.1

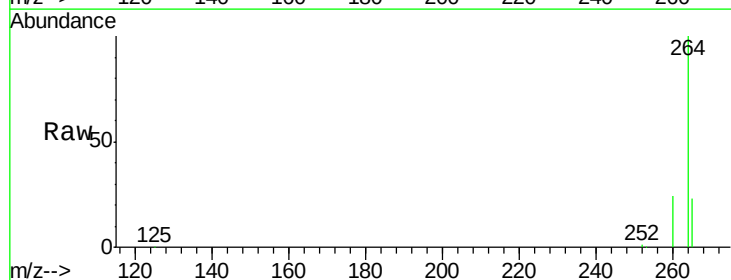


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

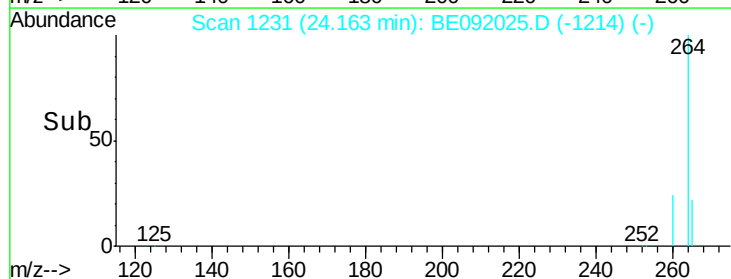
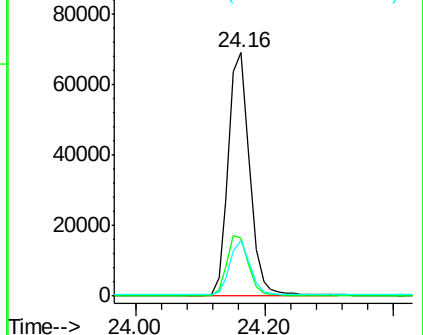


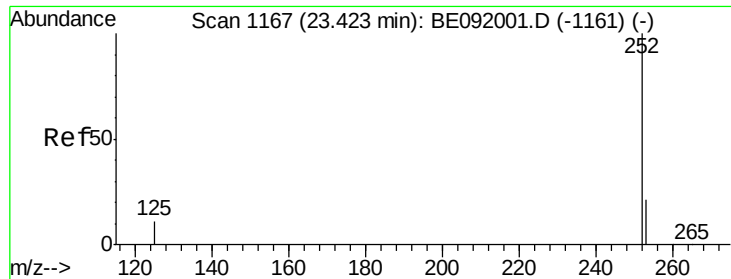
#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.16 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BE092025.D
 Acq: 23 Jul 2016 3:11

Tgt Ion: 264 Resp: 158562
 Ion Ratio Lower Upper
 264 100
 260 24.0 20.3 30.5
 265 22.6 17.6 26.4



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





#41

Benzo(b)fluoranthene

Concen: 0.42 ng

RT: 23.42 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

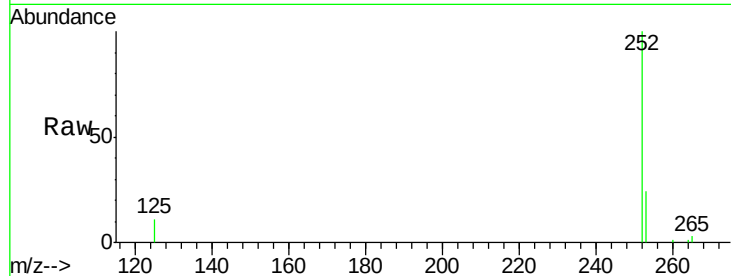
Tgt Ion:252 Resp: 17666

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

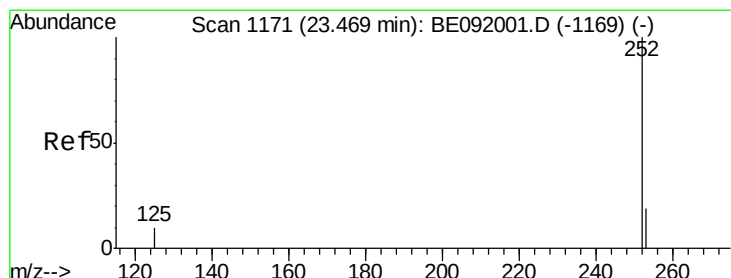
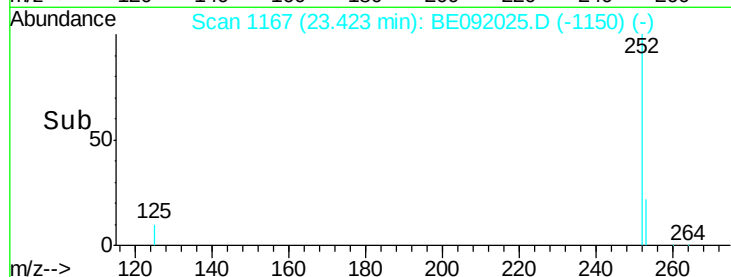
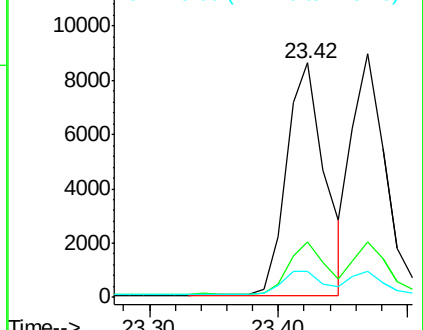
125 10.8 9.4 14.2



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



#42

Benzo(k)fluoranthene

Concen: 0.39 ng

RT: 23.47 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

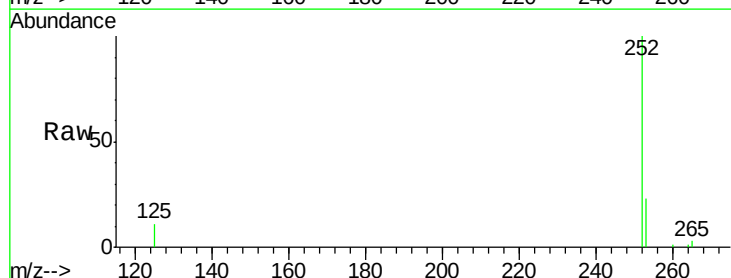
Tgt Ion:252 Resp: 16427

Ion Ratio Lower Upper

252 100

253 22.8 19.4 29.2

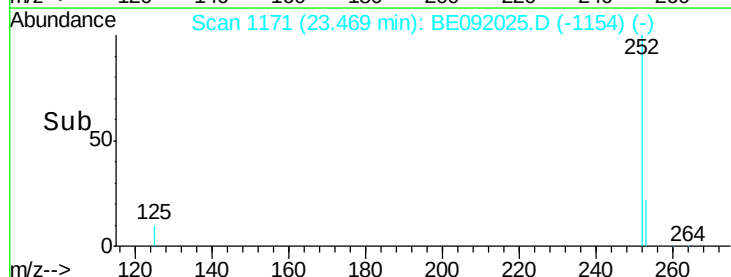
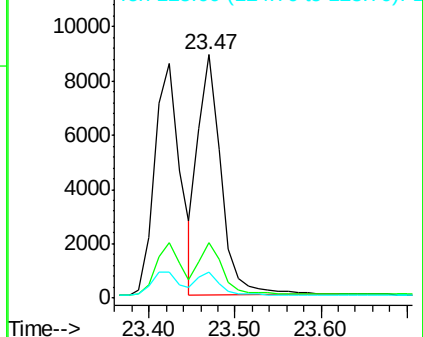
125 10.7 8.3 12.5

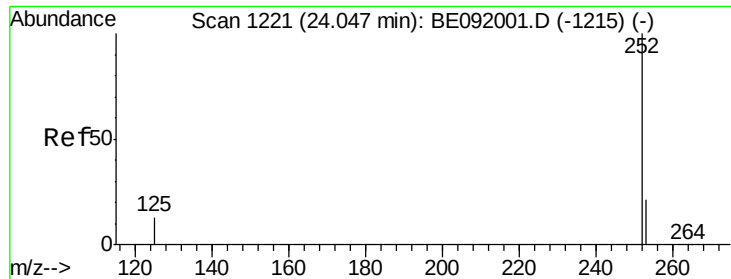


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.40 ng

RT: 24.05 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

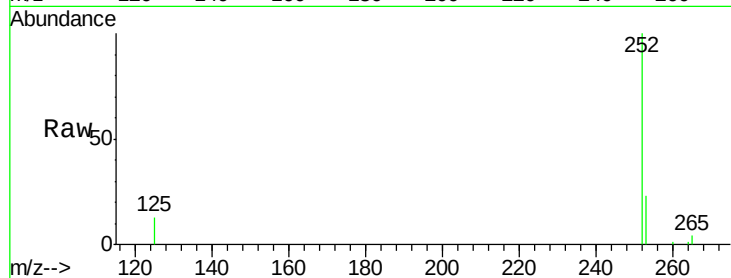
Tgt Ion:252 Resp: 15311

Ion Ratio Lower Upper

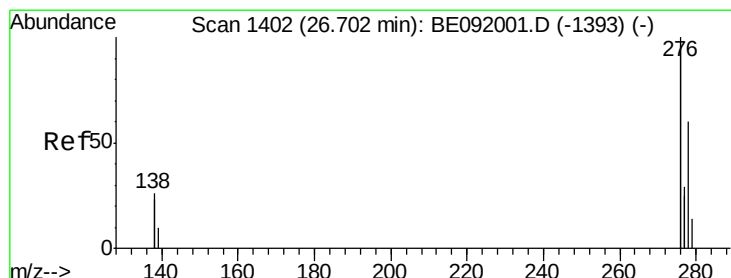
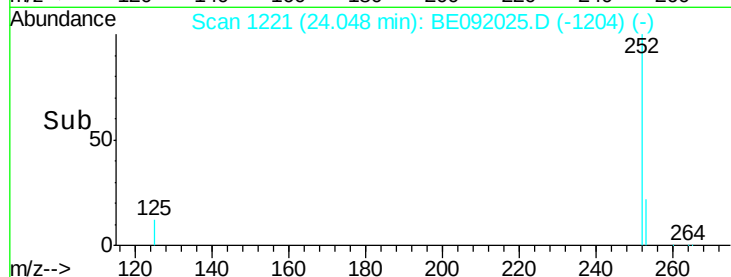
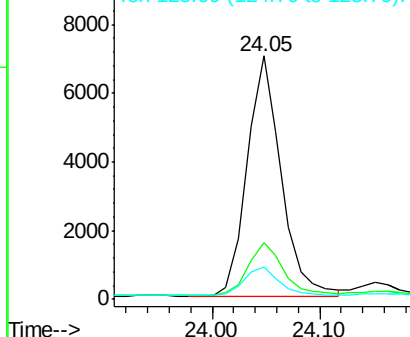
252 100

253 23.3 18.9 28.3

125 13.2 10.5 15.7



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



#44

Dibenzo(a,h)anthracene

Concen: 0.40 ng

RT: 26.70 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BE092025.D

Acq: 23 Jul 2016 3:11

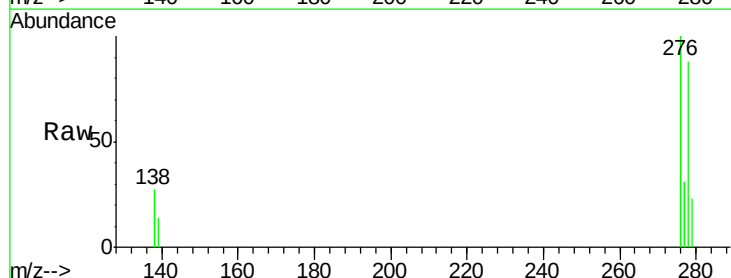
Tgt Ion:278 Resp: 13769

Ion Ratio Lower Upper

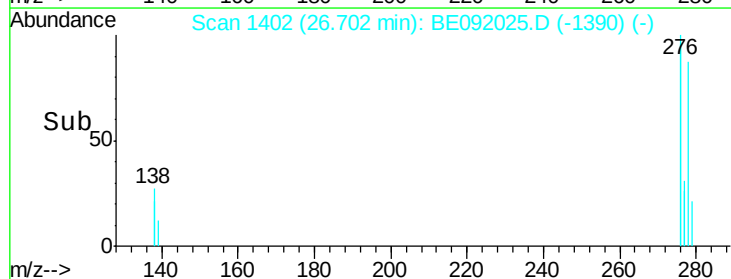
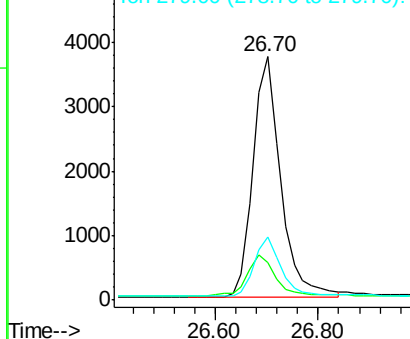
278 100

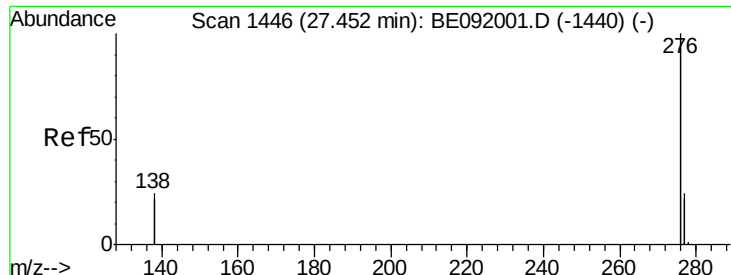
139 15.5 12.6 18.8

279 25.8 20.0 30.0



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





#45

Benzo(g,h,i)perylene

Concen: 0.41 ng

RT: 27.45 min Scan# 1446

Delta R.T. 0.00 min

Lab File: BE092025.D

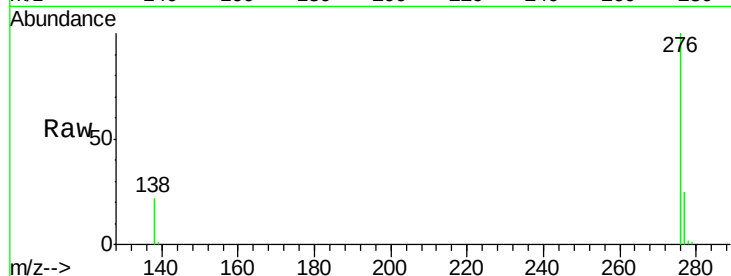
Acq: 23 Jul 2016 3:11

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4



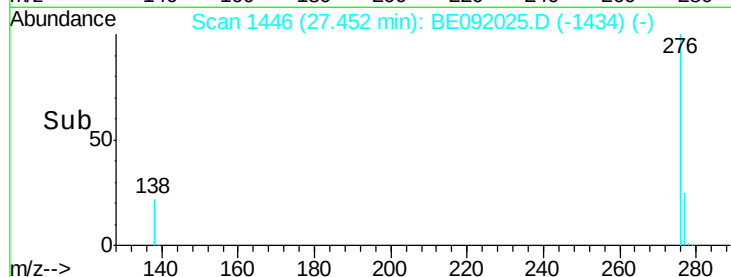
Tgt Ion: 276 Resp: 58177

Ion Ratio Lower Upper

276 100

277 25.0 19.5 29.3

138 22.1 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

