

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092023.D
 Acq On : 23 Jul 2016 1:53
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jul 23 03:01:44 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	21557	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	108410	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	70595	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	165493	5.00	ng	0.00
31) Chrysene-d12	21.76	240	187692	5.00	ng	0.00
40) Perylene-d12	24.16	264	169196	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	2128	0.51	ng	0.00
5) Phenol-d6	7.37	99	2868	0.50	ng	0.00
9) Nitrobenzene-d5	9.37	82	2783	0.43	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	822	0.51	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	7794	0.42	ng	0.00
34) Terphenyl-d14	20.20	244	10247	0.54	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	1174	0.40	ng	94
3) n-Nitrosodimethylamine	3.82	42	1448	0.44	ng	# 81
6) bis(2-Chloroethyl)ether	7.61	93	2595	0.42	ng	99
7) n-Nitroso-di-n-propylamine	9.00	70	2308	0.44	ng	# 100
10) Nitrobenzene	9.40	77	3002	0.46	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	4142	0.51	ng	# 18
12) Naphthalene	11.04	128	9901	0.40	ng	98
13) Hexachlorobutadiene	11.34	225	1418	0.40	ng	98
14) 2-Methylnaphthalene	12.68	142	6328	0.41	ng	94
18) Acenaphthylene	14.56	152	45127	0.42	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	5564	0.43	ng	# 10
20) Acenaphthene	14.92	154	7130	0.39	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	9444	0.81	ng	# 1
22) Fluorene	15.90	166	9396	0.43	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	4641	0.43	ng	98
25) 4-Bromophenyl-phenylether	16.78	248	2812	0.41	ng	97
26) Hexachlorobenzene	16.90	284	2873	0.40	ng	99
27) Pentachlorophenol	17.25	266	733	0.59	ng	89
28) Phenanthrene	17.63	178	17597	0.41	ng	100
29) Anthracene	17.72	178	15914	0.41	ng	100
30) Fluoranthene	19.63	202	71164	0.42	ng	# 67
32) Benzidine	19.83	184	4377	0.65	ng	96
33) Pyrene	19.99	202	79798	0.59	ng	# 81
35) Benzo(a)anthracene	21.73	228	53730	1.27	ng	99
36) 3,3'-Dichlorobenzidine	21.67	252	5114	0.85	ng	# 71
37) Chrysene	21.73	228	54165	1.05	ng	# 90
38) Bis(2-ethylhexyl)phthalate	21.64	149	45929	1.31	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	73388	0.52	ng	98
41) Benzo(b)fluoranthene	23.42	252	19492	0.44	ng	96
42) Benzo(k)fluoranthene	23.47	252	17328	0.38	ng	99
43) Benzo(a)pyrene	24.05	252	16827	0.41	ng	99
44) Dibenzo(a,h)anthracene	26.70	278	14969	0.41	ng	99
45) Benzo(g,h,i)perylene	27.45	276	61861	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

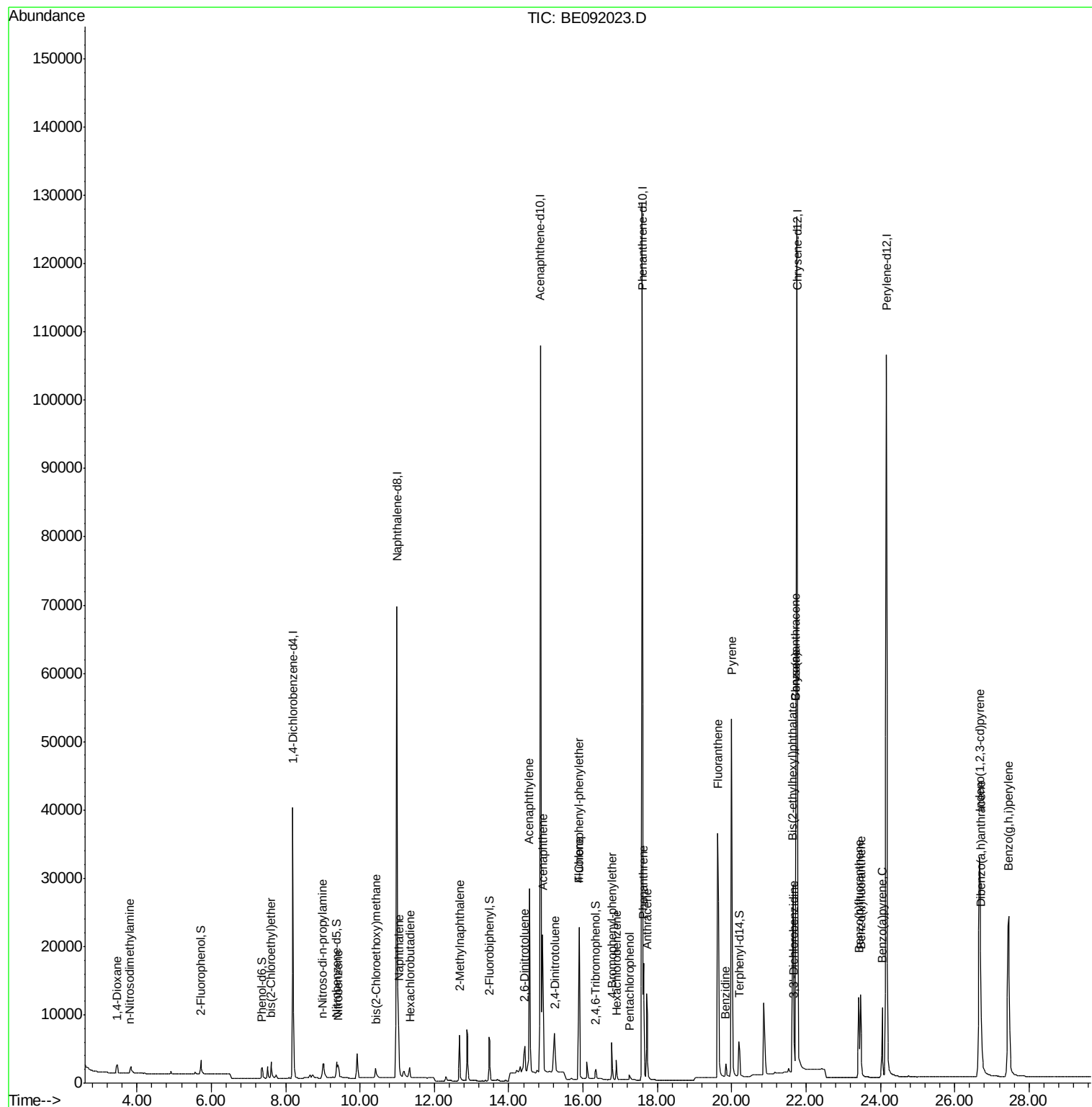
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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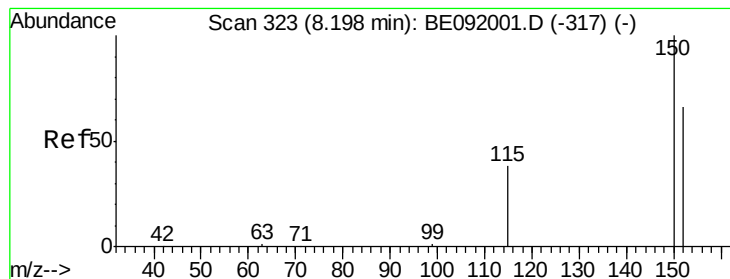
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

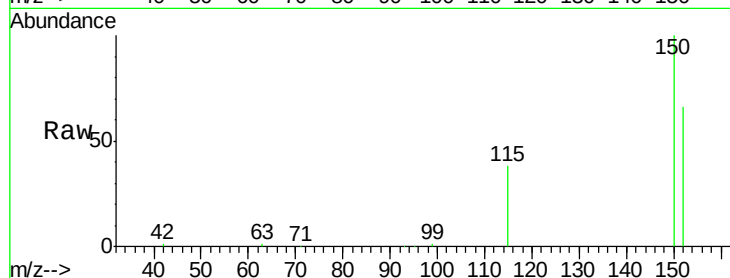
Tgt Ion:152 Resp: 21557

Ion Ratio Lower Upper

152 100

150 152.2 123.9 185.9

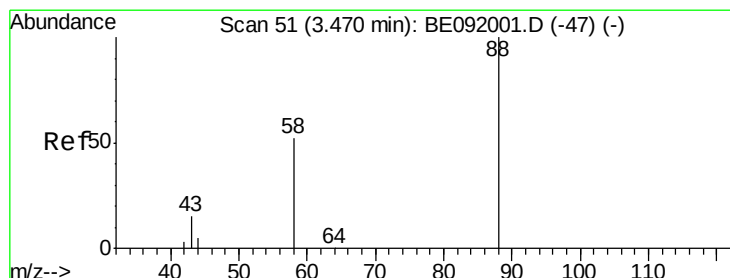
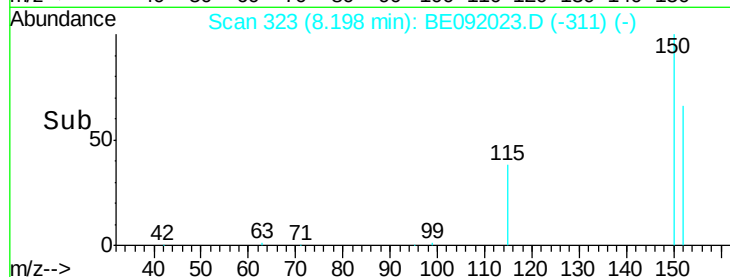
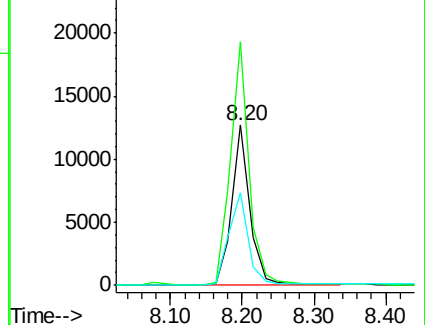
115 58.1 48.3 72.5



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: 0.40 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

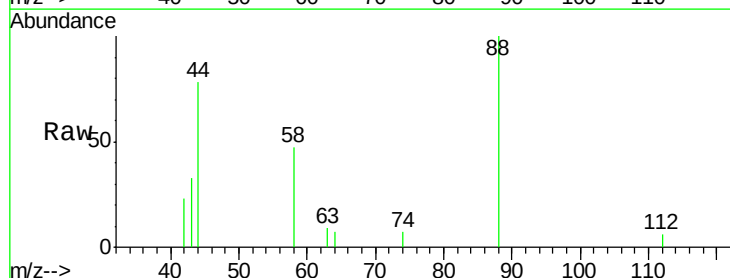
Tgt Ion: 88 Resp: 1174

Ion Ratio Lower Upper

88 100

58 84.8 63.0 94.4

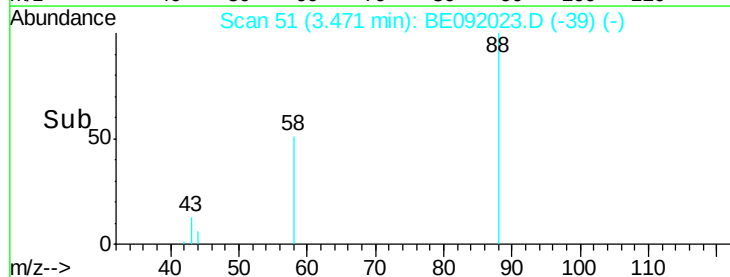
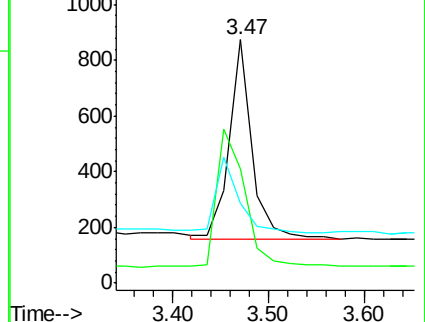
43 38.1 29.1 43.7

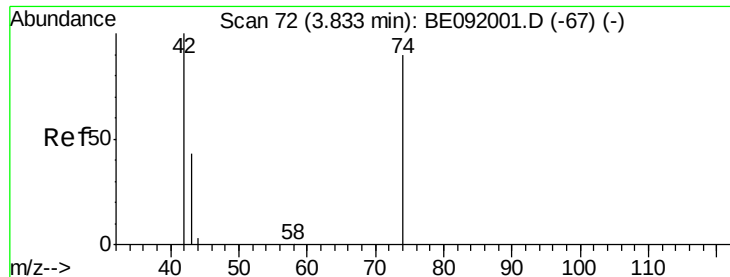


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.44 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.02 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

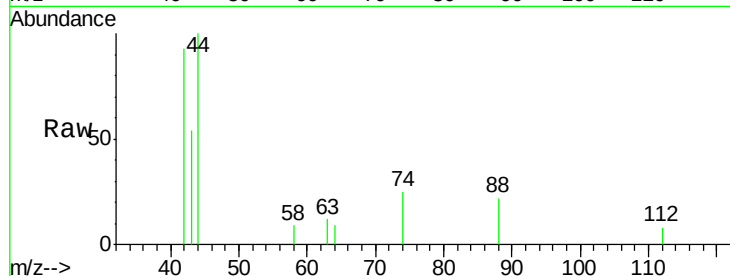
Tgt Ion: 42 Resp: 1448

Ion Ratio Lower Upper

42 100

74 95.9 93.4 140.0

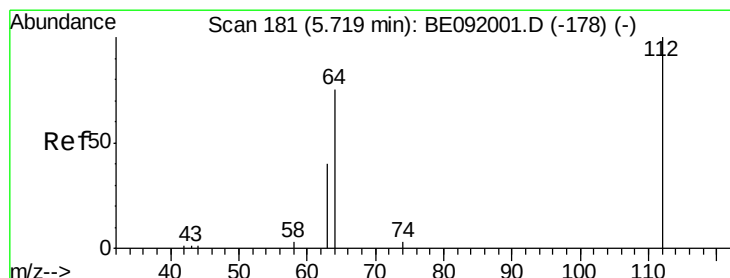
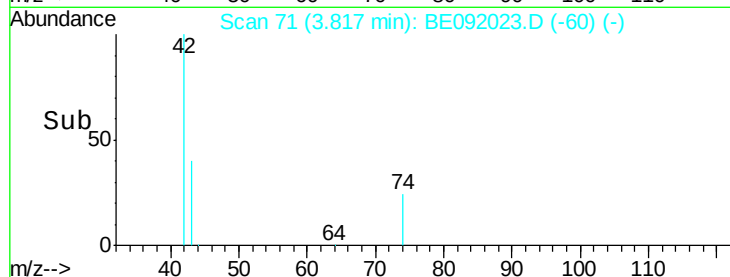
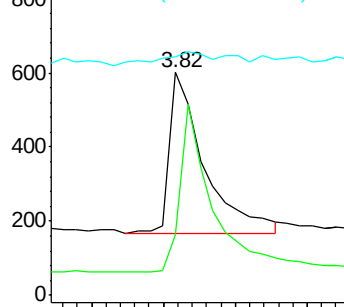
44 11.1 5.0 7.6#



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



#4

2-Fluorophenol

Concen: 0.51 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

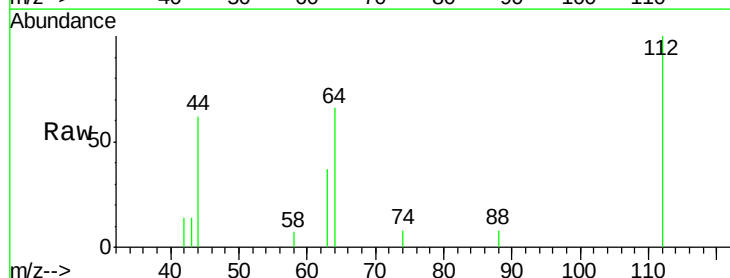
Tgt Ion: 112 Resp: 2128

Ion Ratio Lower Upper

112 100

64 68.1 53.7 80.5

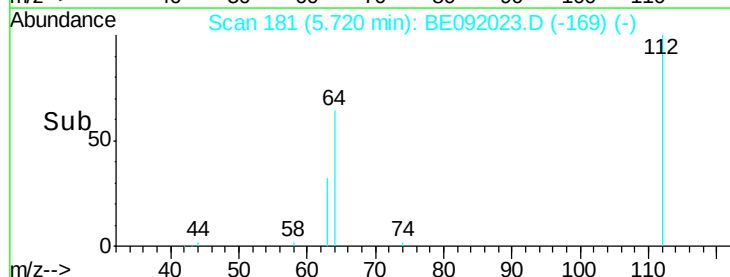
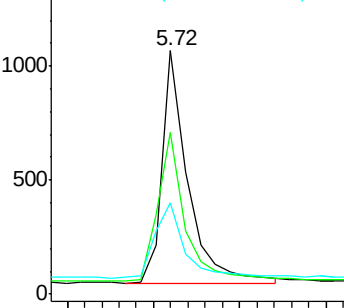
63 36.5 29.5 44.3

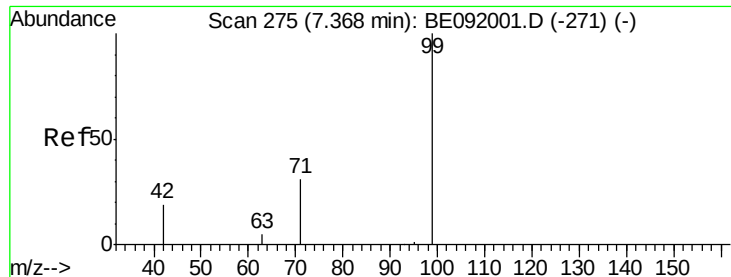


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.50 ng

RT: 7.37 min Scan# 275

Delta R.T. -0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

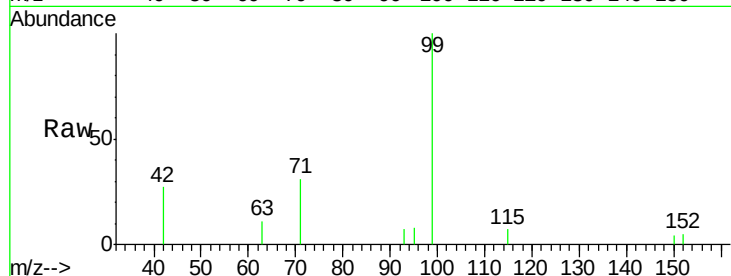
Tgt Ion: 99 Resp: 2868

Ion Ratio Lower Upper

99 100

42 27.1 19.6 29.4

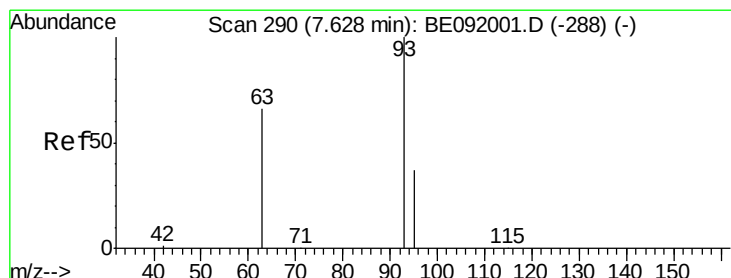
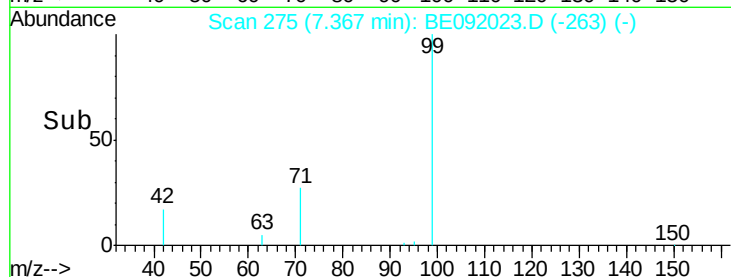
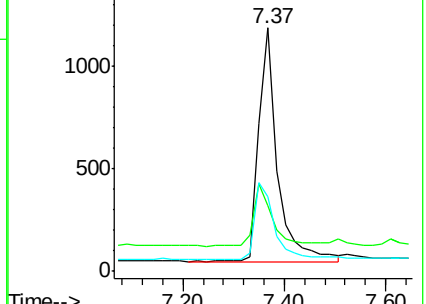
71 35.3 28.1 42.1



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: 0.42 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

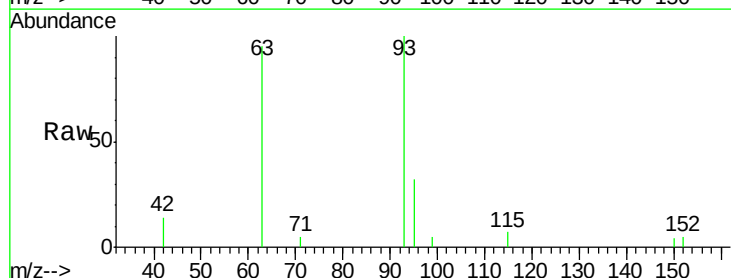
Tgt Ion: 93 Resp: 2595

Ion Ratio Lower Upper

93 100

63 82.6 66.2 99.4

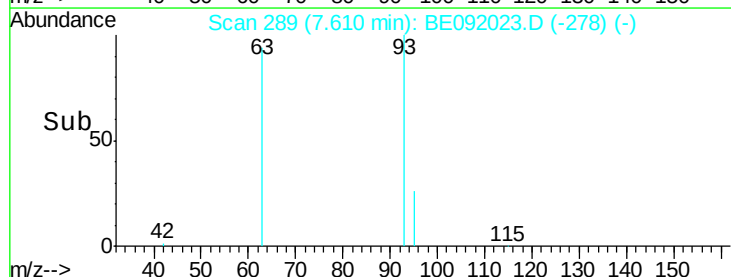
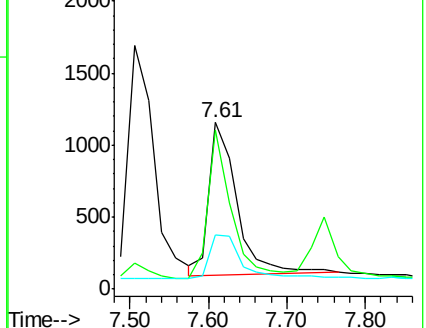
95 33.0 25.5 38.3

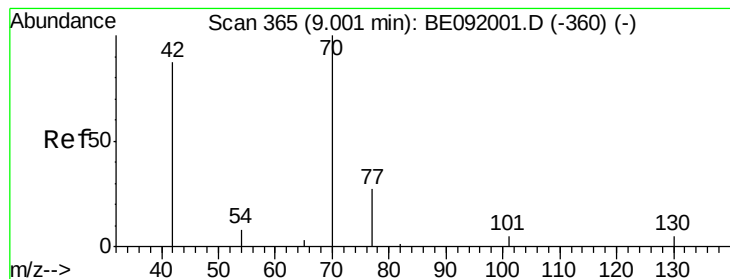


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.44 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 2308

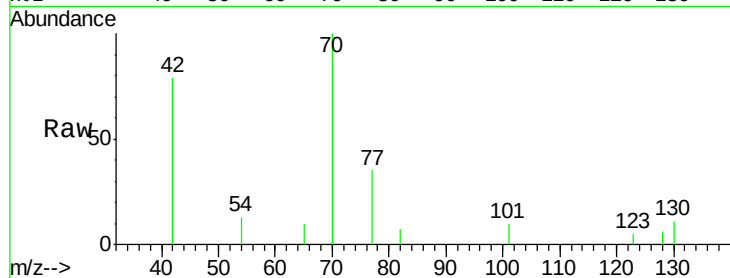
Ion Ratio Lower Upper

70 100

42 72.6 58.4 87.6

101 7.7 6.4 9.6

130 16.1 0.0 0.0#

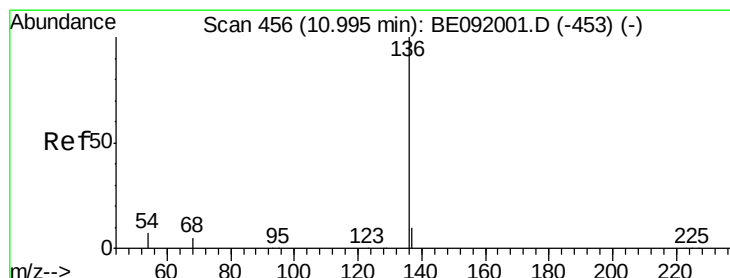
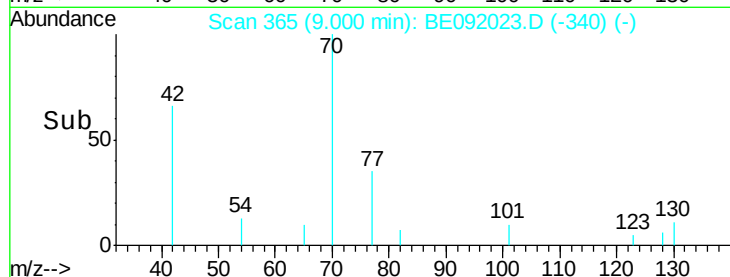
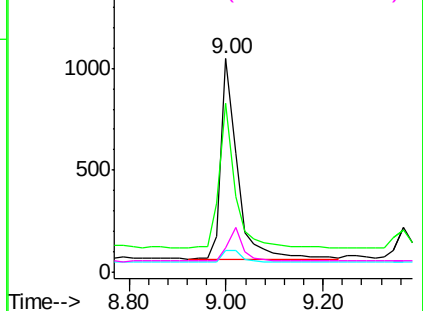


Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): BE0

Ion 130.00 (129.70 to 130.70): BE0



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Tgt Ion: 136 Resp: 108410

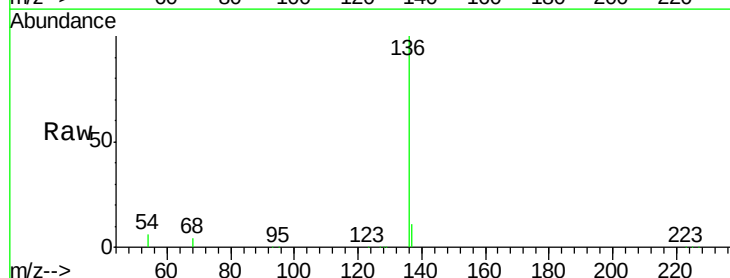
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 5.8 8.2 12.4#

68 4.4 5.9 8.9#

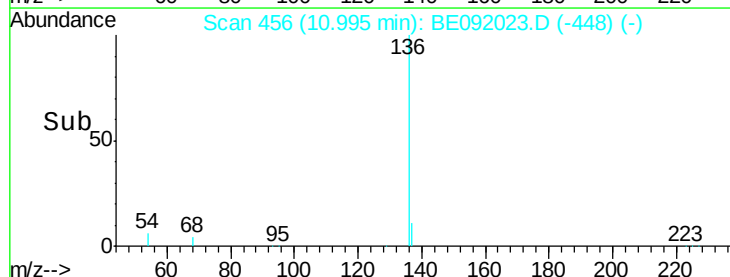
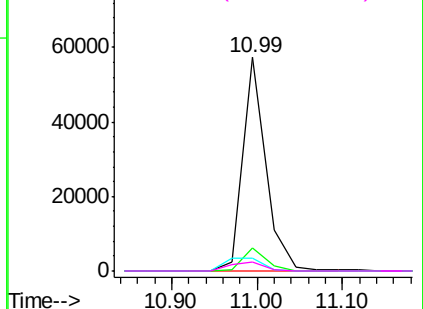


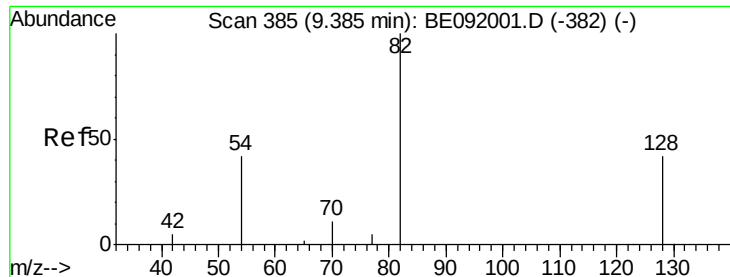
Abundance Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

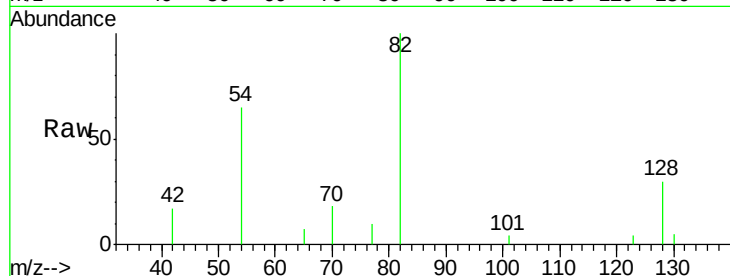




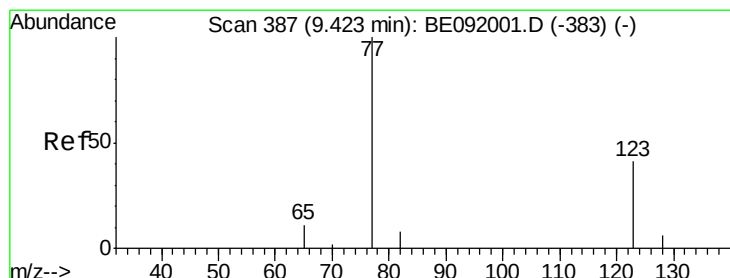
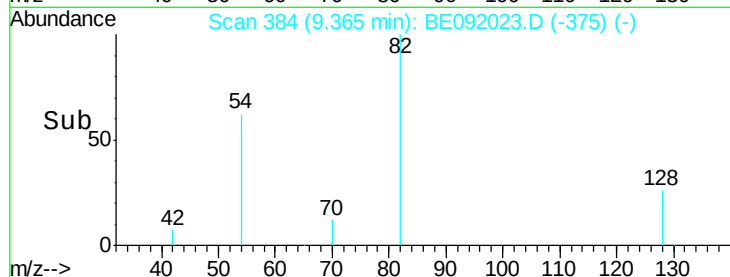
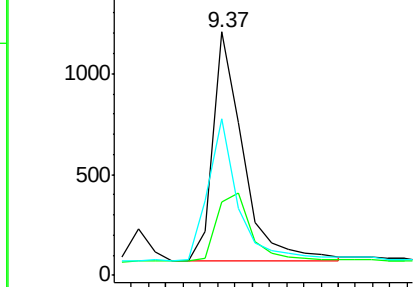
#9
 Nitrobenzene-d5
 Concen: 0.43 ng
 RT: 9.37 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: BE092023.D
 Acq: 23 Jul 2016 1:53

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Tgt Ion: 82 Resp: 2783
 Ion Ratio Lower Upper
 82 100
 128 30.3 39.5 59.3#
 54 64.5 30.3 45.5#

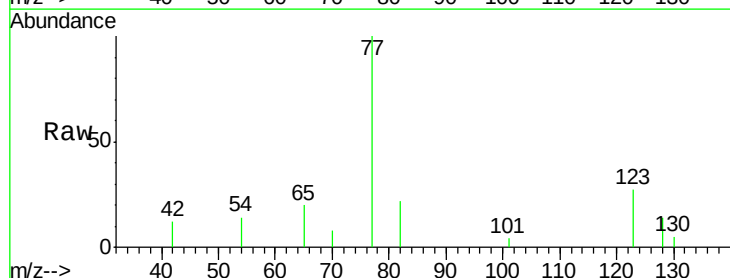


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

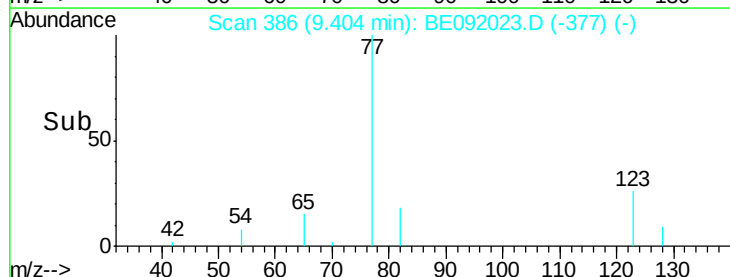
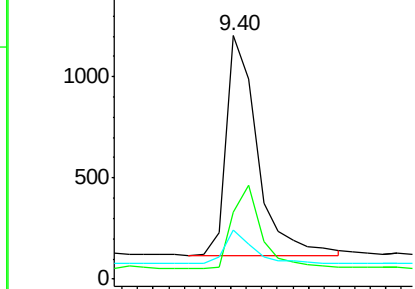


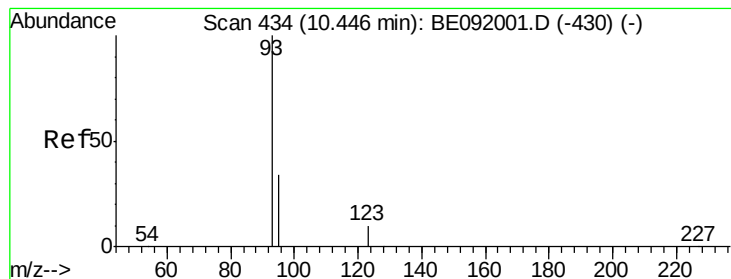
#10
 Nitrobenzene
 Concen: 0.46 ng
 RT: 9.40 min Scan# 386
 Delta R.T. -0.02 min
 Lab File: BE092023.D
 Acq: 23 Jul 2016 1:53

Tgt Ion: 77 Resp: 3002
 Ion Ratio Lower Upper
 77 100
 123 37.6 0.0 0.0#
 65 14.3 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

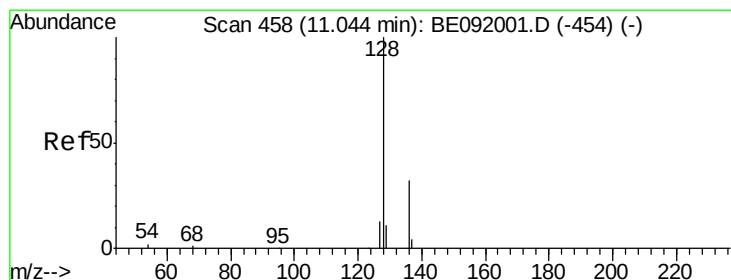
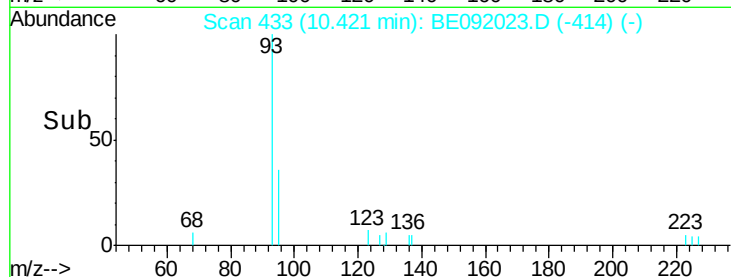
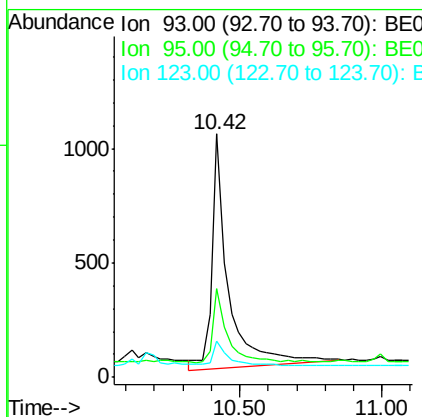
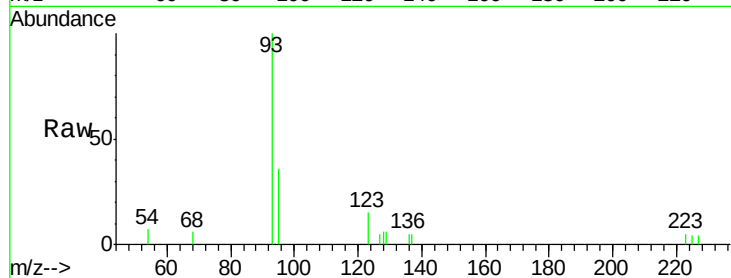




#11
bis(2-Chloroethoxy)methane
Concen: 0.51 ng
RT: 10.42 min Scan# 433
Delta R.T. -0.02 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

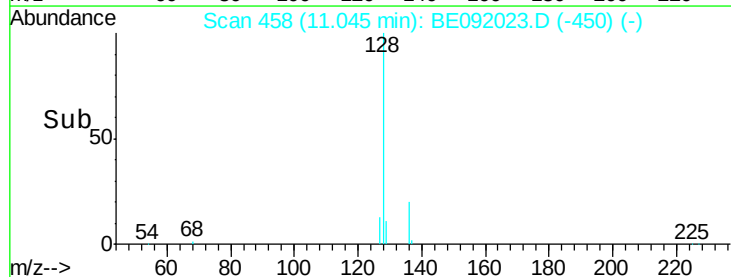
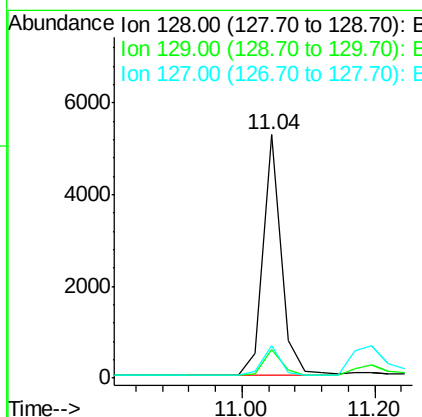
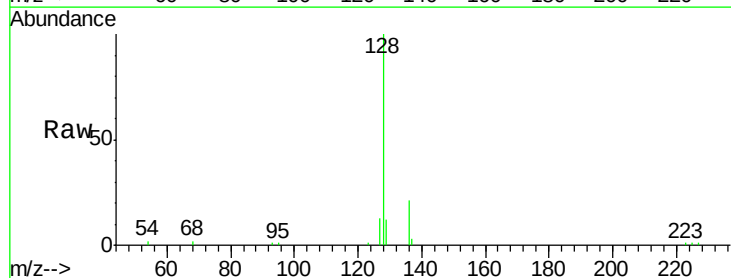
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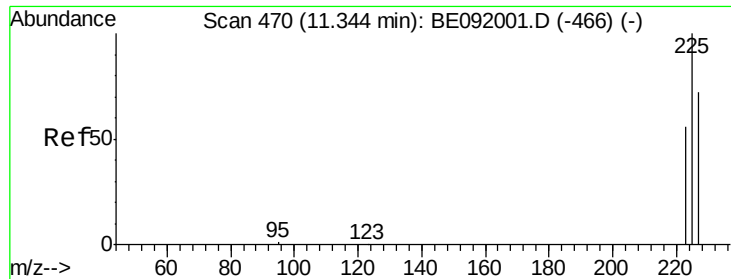
Tgt Ion: 93 Resp: 4142
Ion Ratio Lower Upper
93 100
95 32.2 57.6 86.4#
123 8.9 100.2 150.4#



#12
Naphthalene
Concen: 0.40 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

Tgt Ion: 128 Resp: 9901
Ion Ratio Lower Upper
128 100
129 11.9 10.4 15.6
127 13.4 10.2 15.2

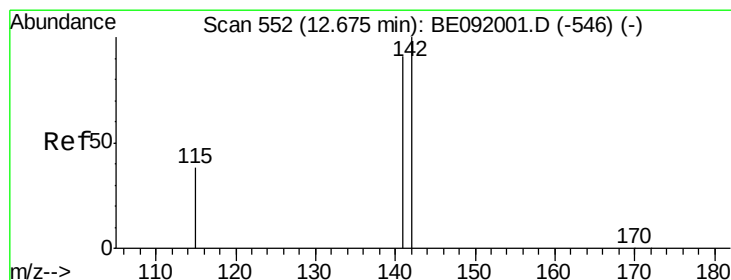
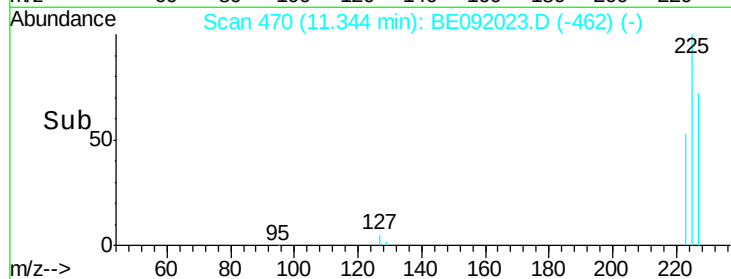
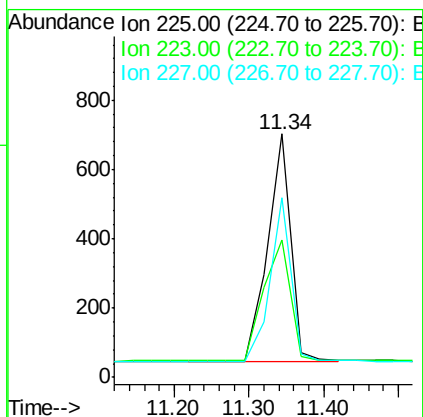
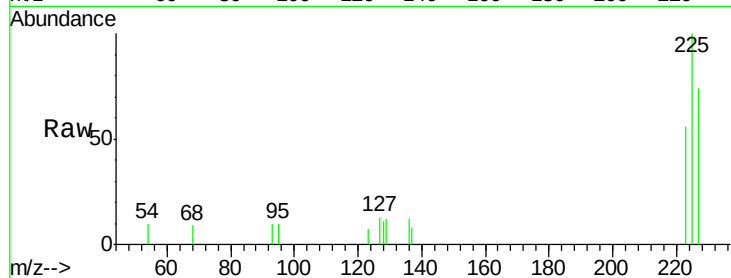




#13
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

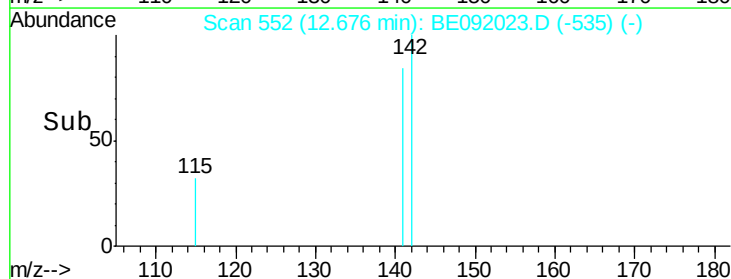
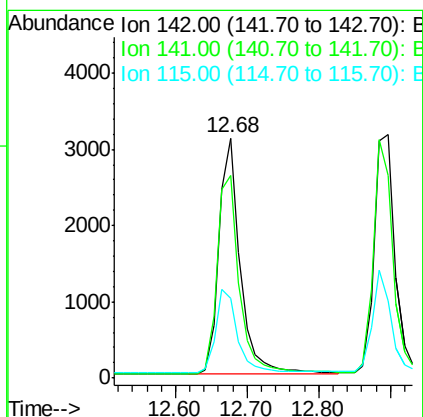
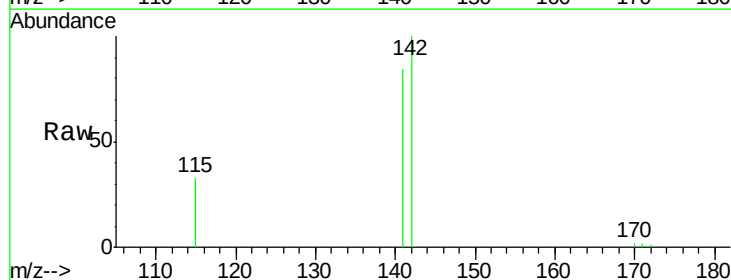
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

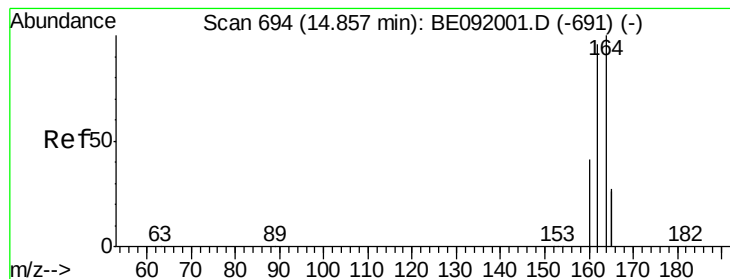
Tgt Ion: 225 Resp: 1418
Ion Ratio Lower Upper
225 100
223 61.6 49.8 74.8
227 64.8 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

Tgt Ion: 142 Resp: 6328
Ion Ratio Lower Upper
142 100
141 84.5 71.9 107.9
115 33.3 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: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

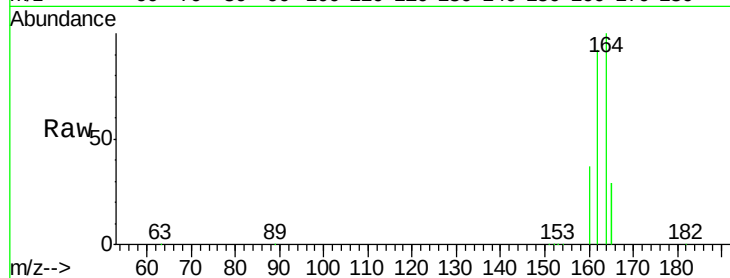
Tgt Ion:164 Resp: 70595

Ion Ratio Lower Upper

164 100

162 91.6 71.8 107.8

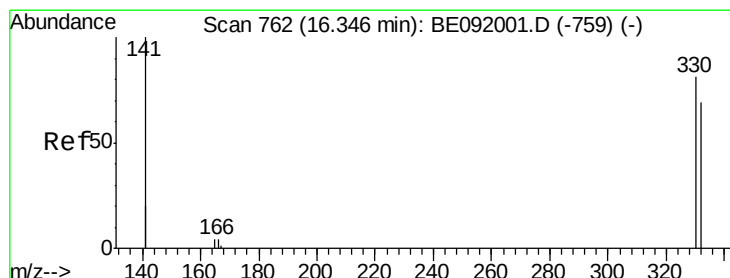
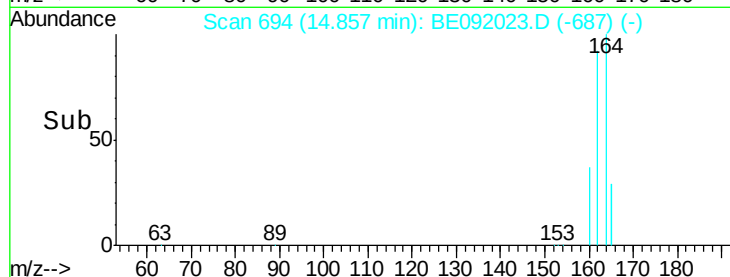
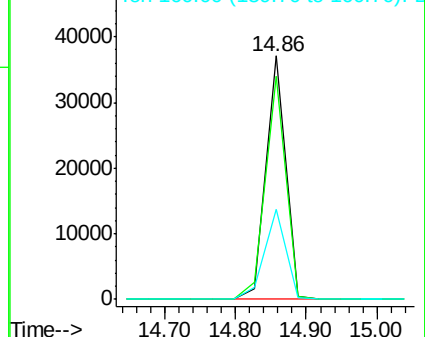
160 37.1 28.0 42.0



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: 0.51 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

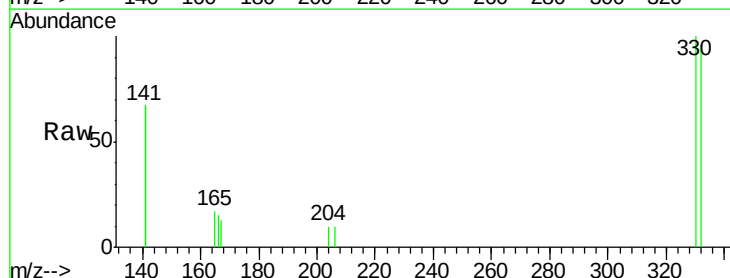
Tgt Ion:330 Resp: 822

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

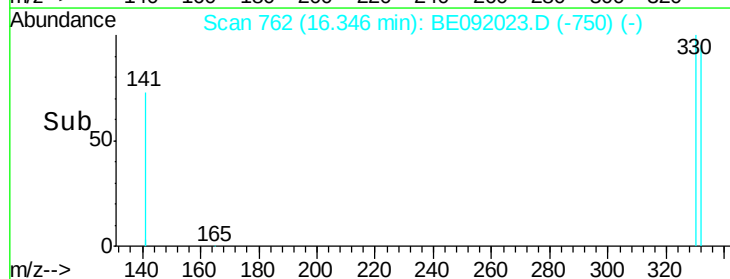
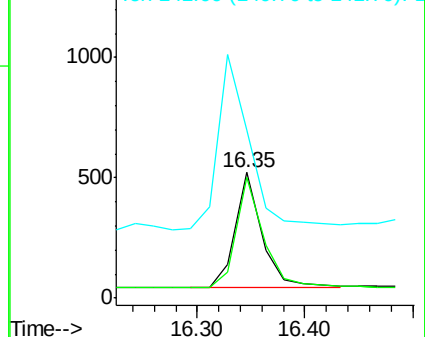
141 181.4 138.4 207.6

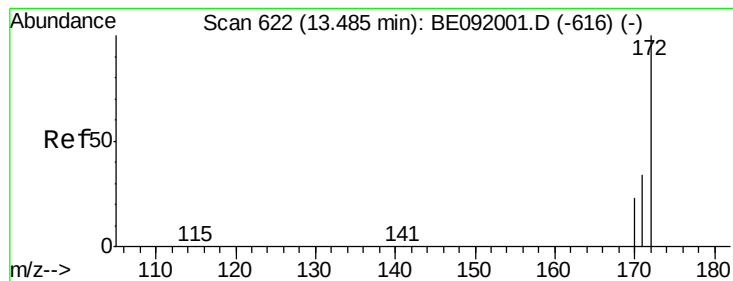


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

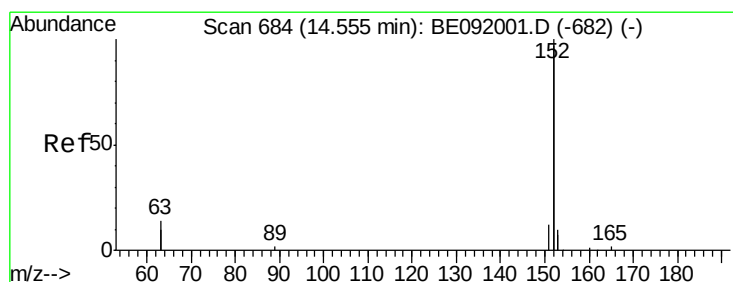
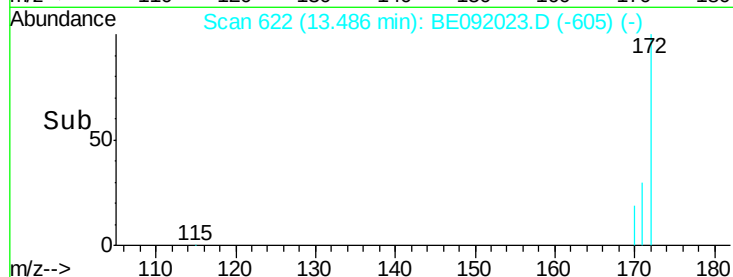
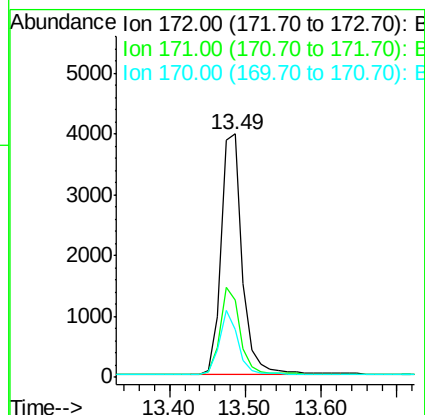
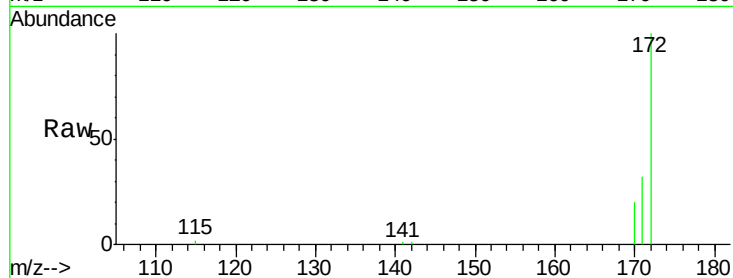




#17
2-Fluorobiphenyl
Concen: 0.42 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

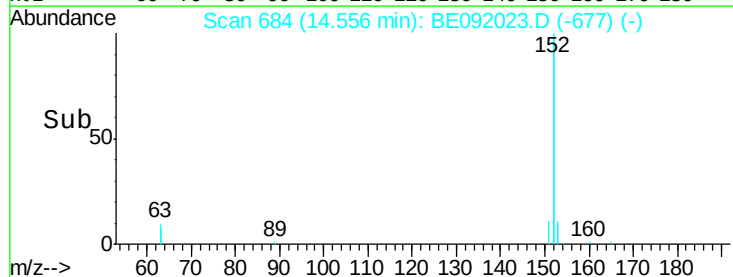
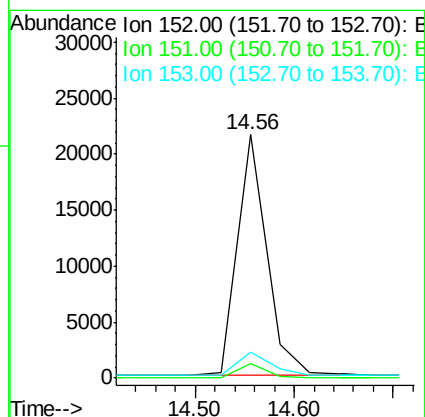
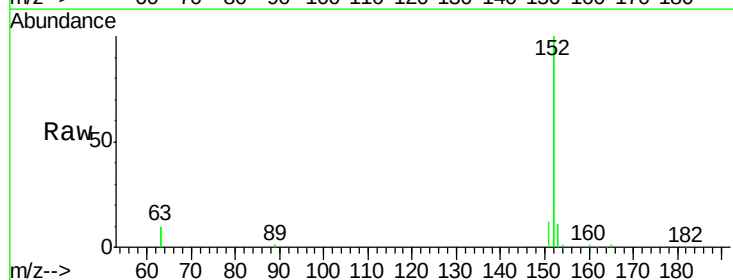
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

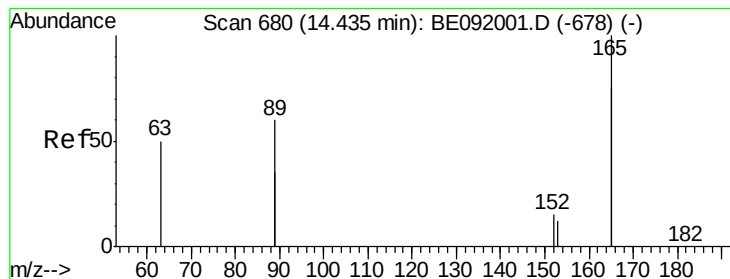
Tgt Ion:172 Resp: 7794
Ion Ratio Lower Upper
172 100
171 31.6 24.3 36.5
170 19.7 14.9 22.3



#18
Acenaphthylene
Concen: 0.42 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

Tgt Ion:152 Resp: 45127
Ion Ratio Lower Upper
152 100
151 5.4 19.4 29.2#
153 11.2 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: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

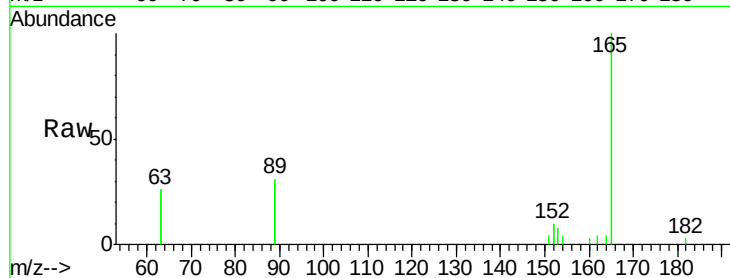
Tgt Ion:165 Resp: 5564

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

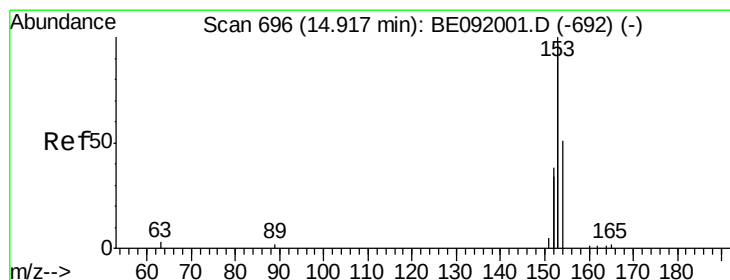
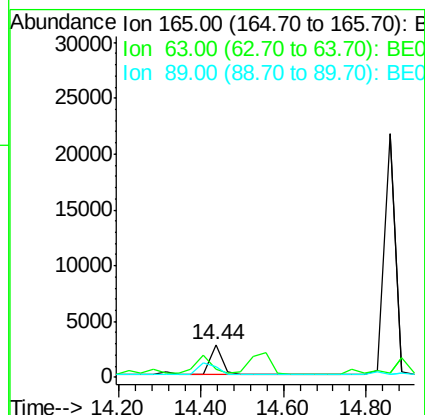
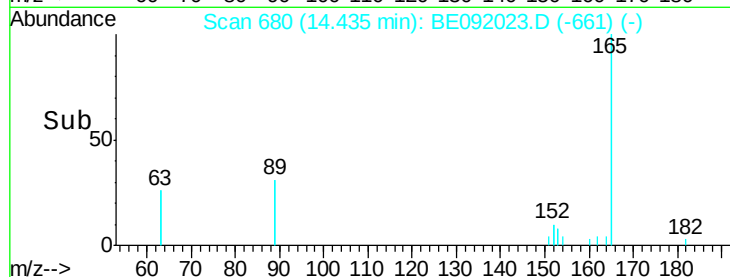
89 0.0 59.1 88.7#



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: 0.39 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

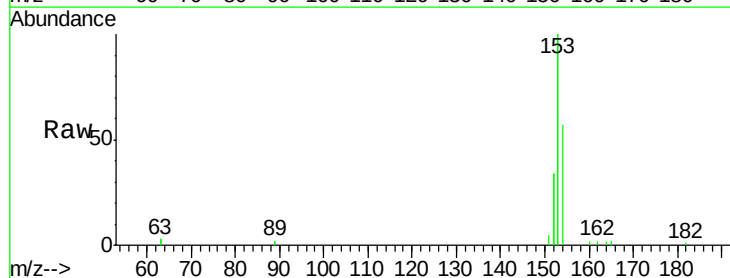
Tgt Ion:154 Resp: 7130

Ion Ratio Lower Upper

154 100

153 380.7 88.1 132.1#

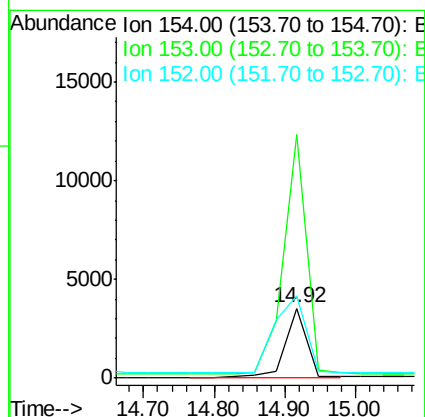
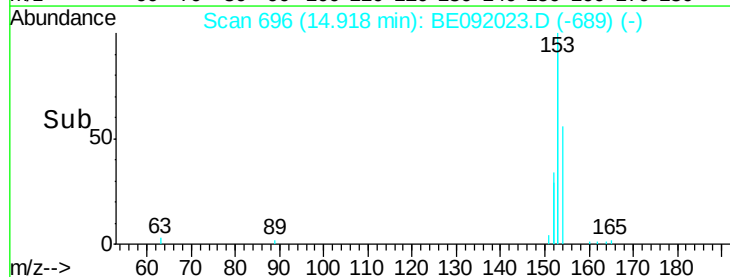
152 171.2 44.2 66.2#

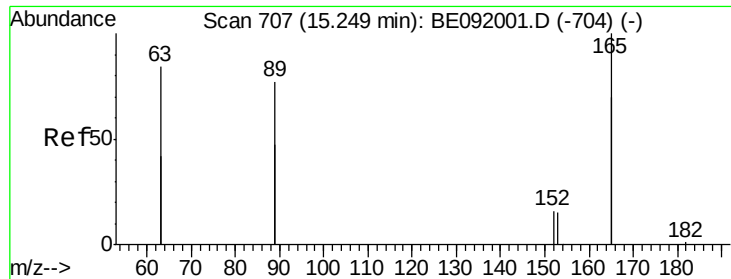


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

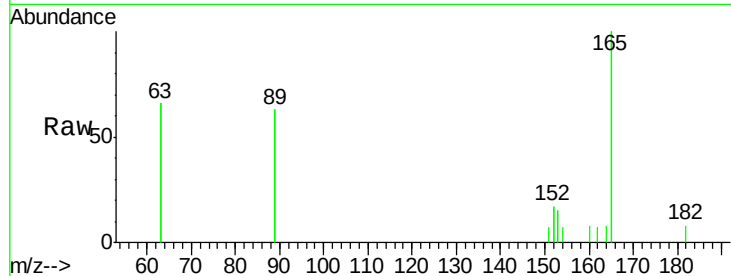




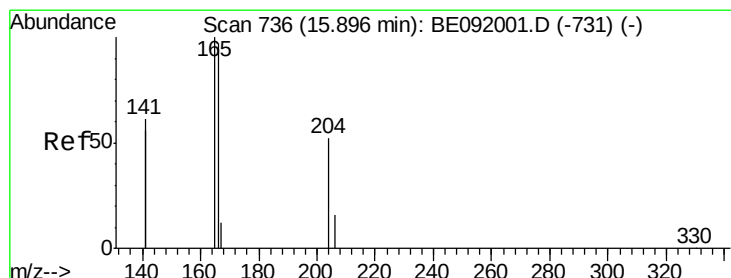
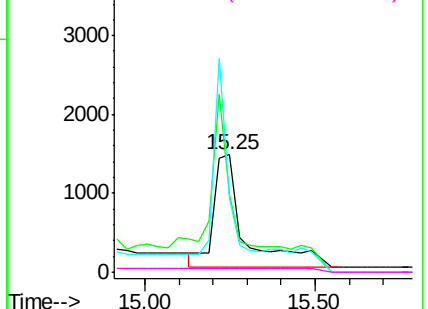
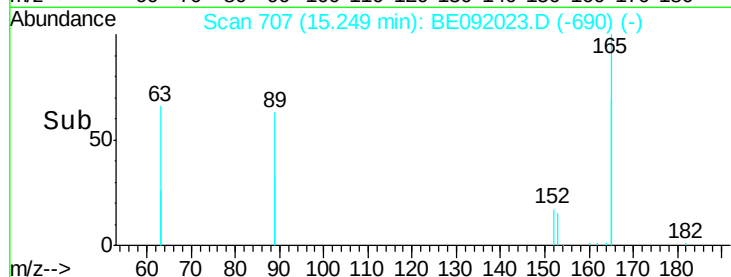
#21
2,4-Dinitrotoluene
Concen: 0.81 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:165 Resp: 9444
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

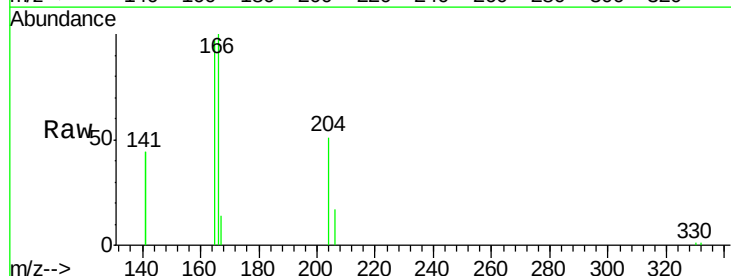


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

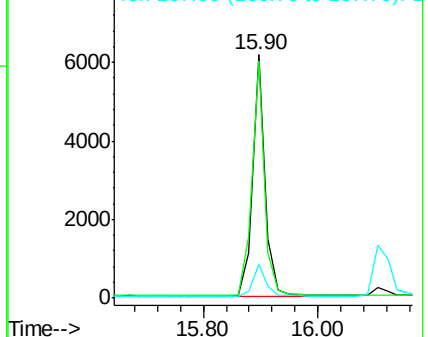
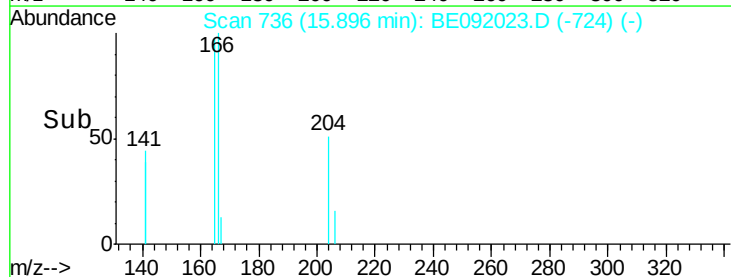


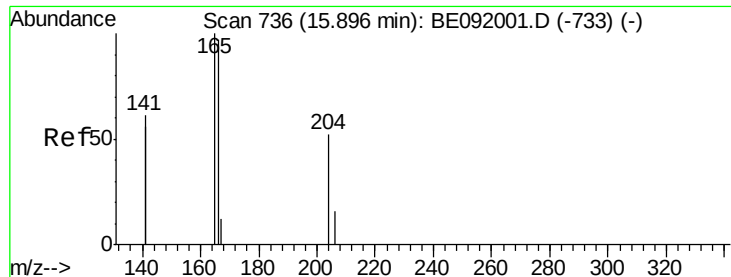
#22
Fluorene
Concen: 0.43 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

Tgt Ion:166 Resp: 9396
Ion Ratio Lower Upper
166 100
165 98.9 78.6 117.8
167 13.5 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

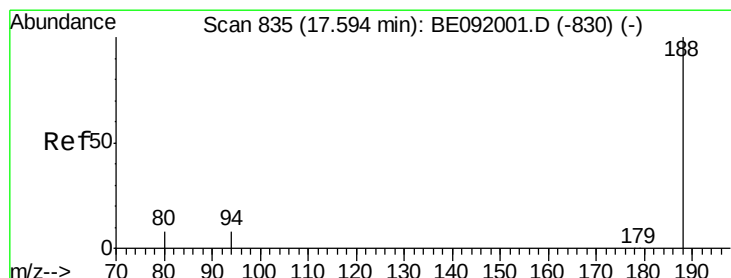
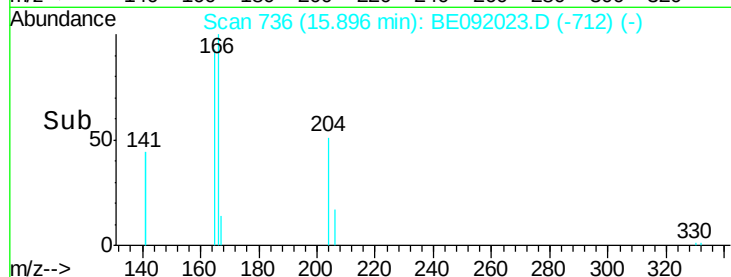
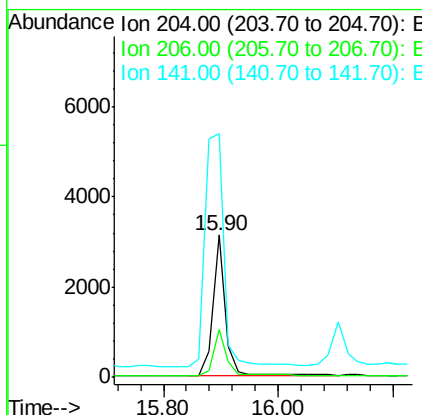
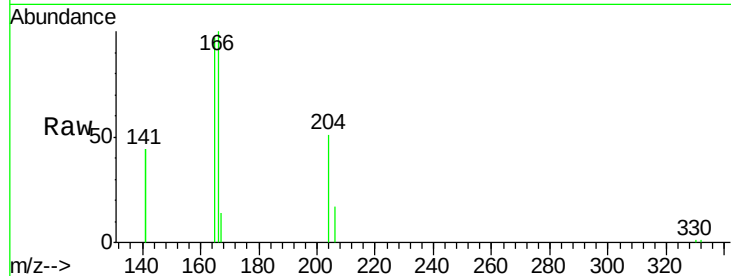




#23
 4-Chlorophenyl-phenylether
 Concen: 0.43 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE092023.D
 Acq: 23 Jul 2016 1:53

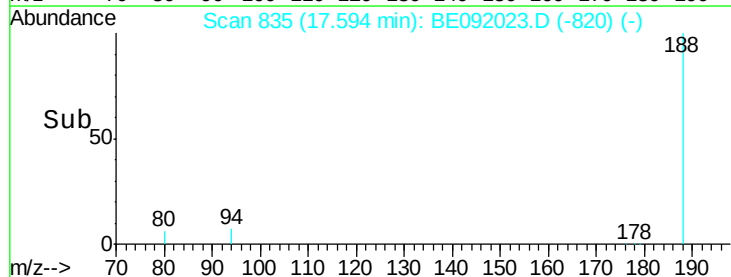
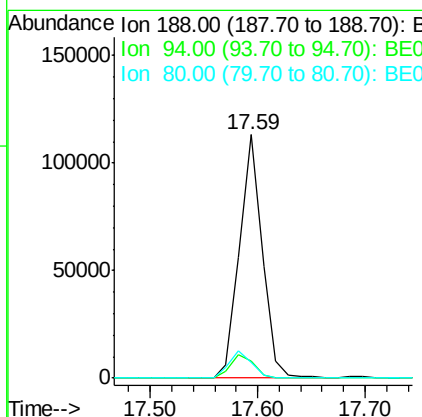
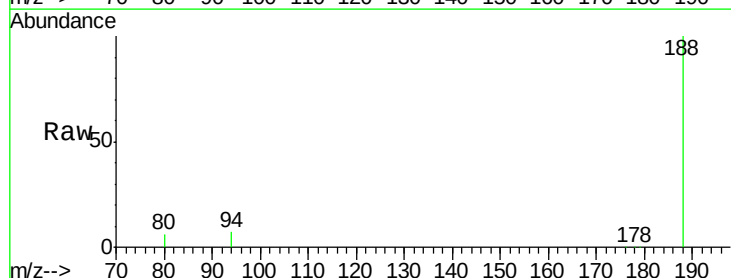
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

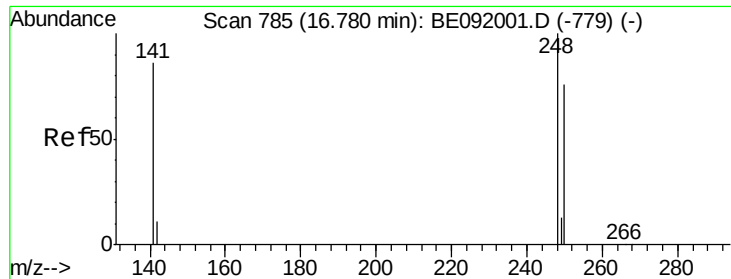
Tgt Ion: 204 Resp: 4641
 Ion Ratio Lower Upper
 204 100
 206 33.4 27.8 41.6
 141 250.0 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BE092023.D
 Acq: 23 Jul 2016 1:53

Tgt Ion: 188 Resp: 165493
 Ion Ratio Lower Upper
 188 100
 94 7.1 4.1 6.1#
 80 6.5 3.4 5.2#

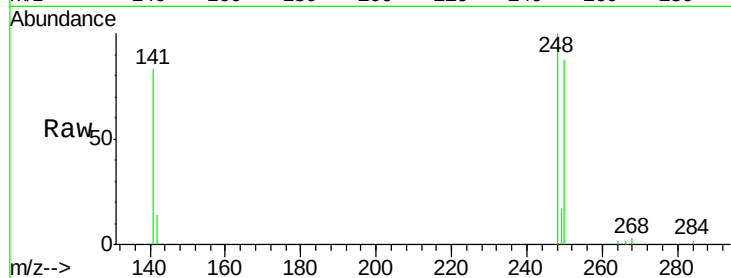




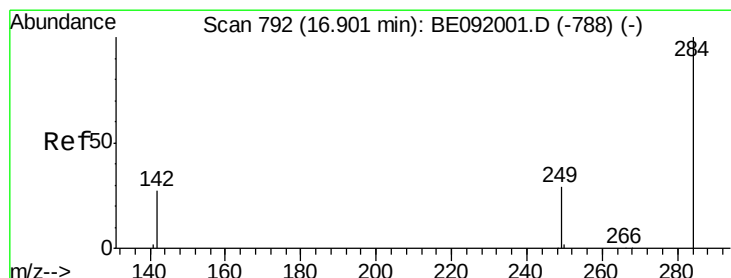
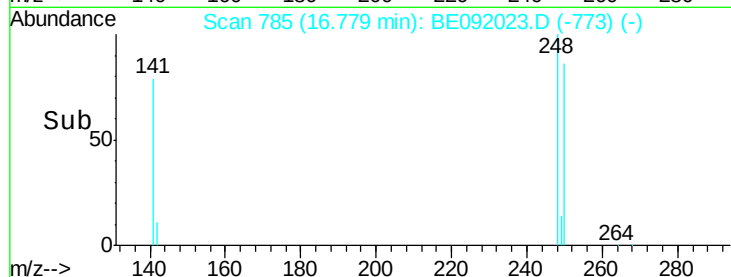
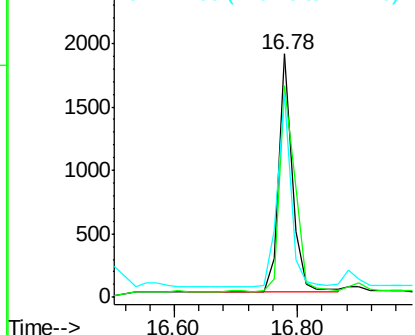
#25
4-Bromophenyl-phenylether
Concen: 0.41 ng
RT: 16.78 min Scan# 785
Delta R.T. -0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 248 Resp: 2812
Ion Ratio Lower Upper
248 100
250 98.1 75.7 113.5
141 83.5 64.6 97.0

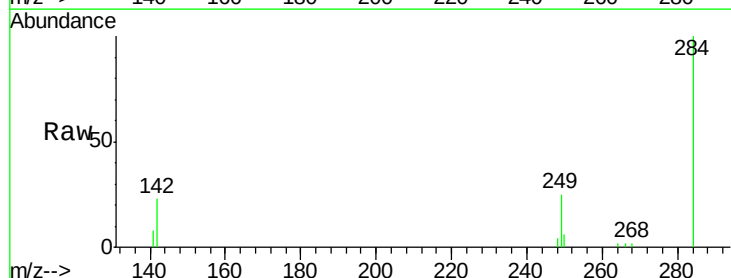


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

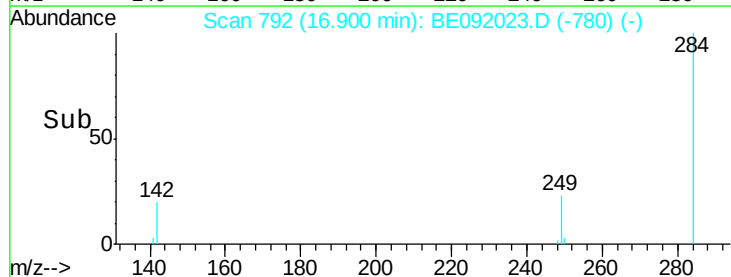
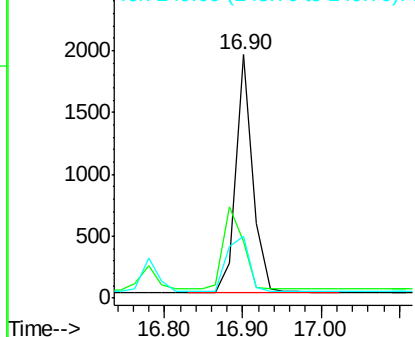


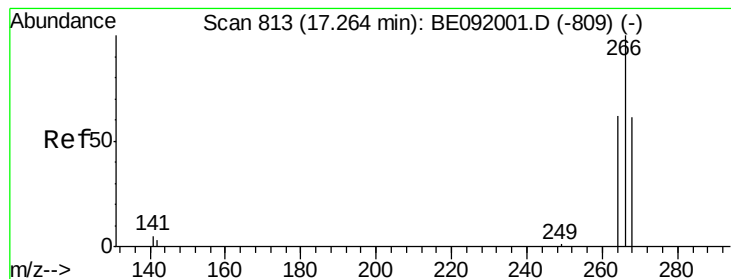
#26
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

Tgt Ion: 284 Resp: 2873
Ion Ratio Lower Upper
284 100
142 40.6 31.4 47.2
249 31.3 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: 0.59 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

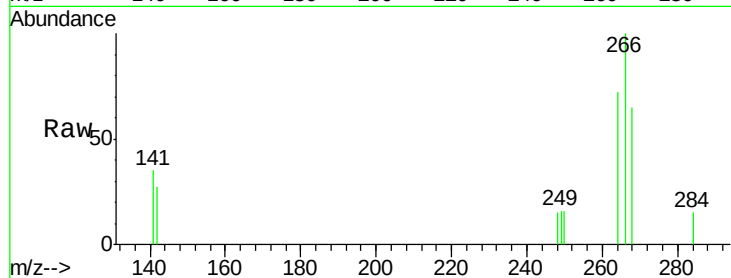
Tgt Ion:266 Resp: 733

Ion Ratio Lower Upper

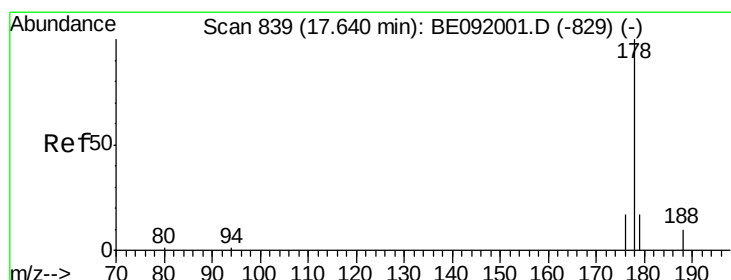
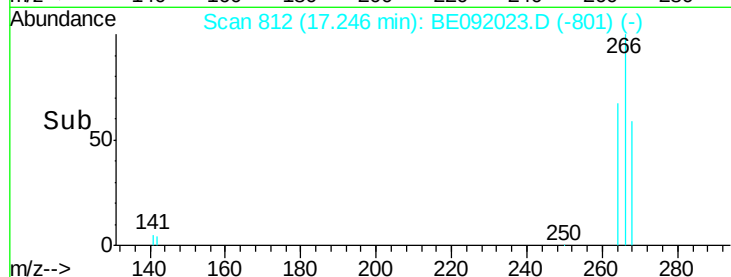
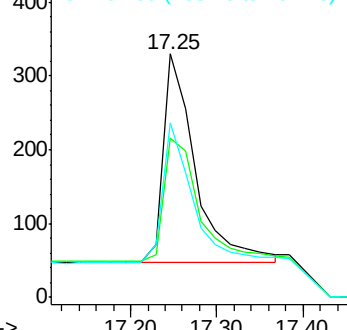
266 100

268 65.2 60.5 90.7

264 71.5 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: BE092023.D

Acq: 23 Jul 2016 1:53

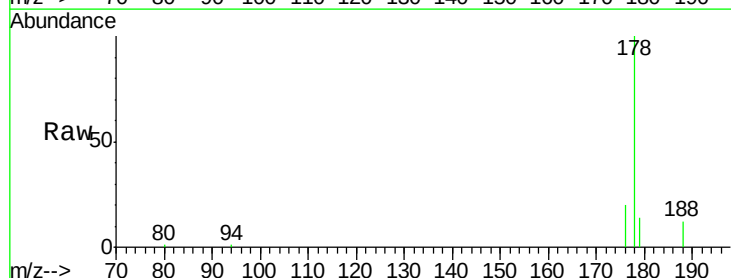
Tgt Ion:178 Resp: 17597

Ion Ratio Lower Upper

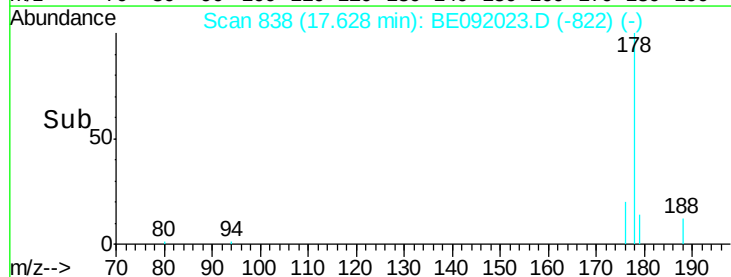
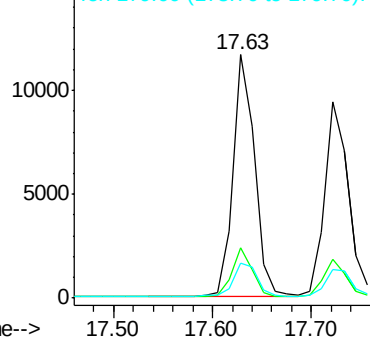
178 100

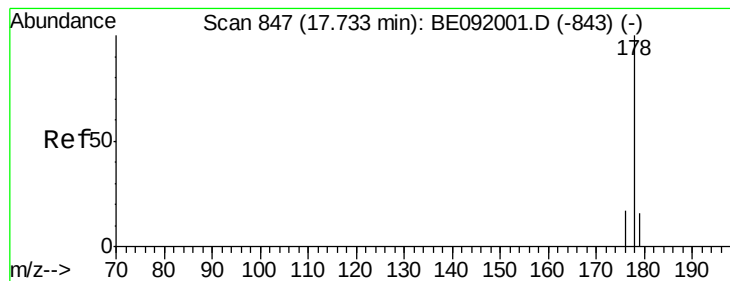
176 19.3 15.4 23.2

179 15.7 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: 0.41 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

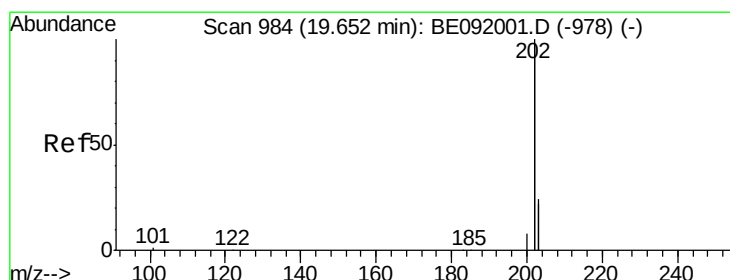
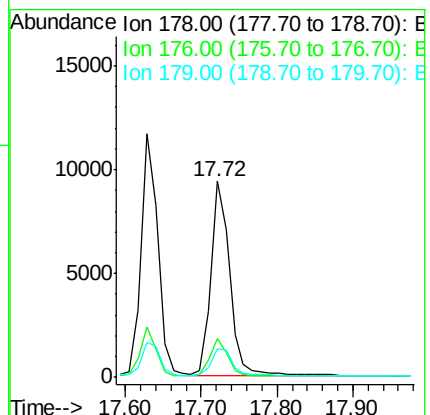
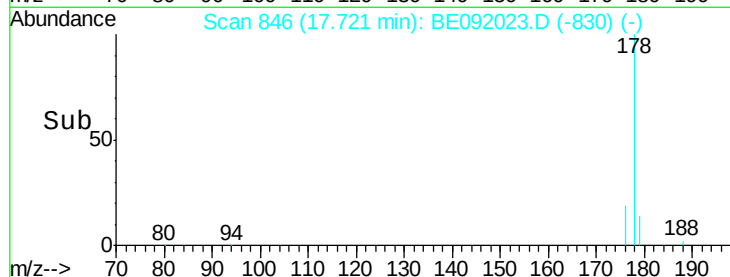
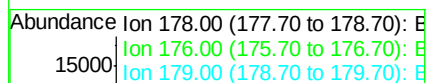
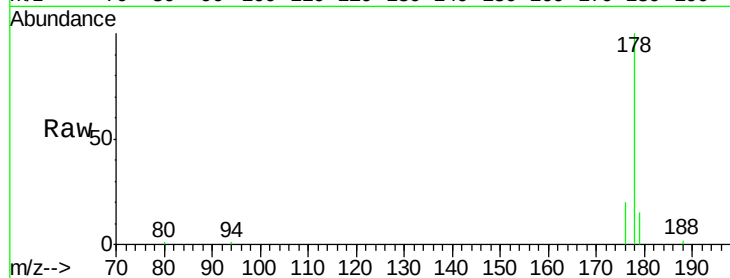
Tgt Ion:178 Resp: 15914

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.0 12.1 18.1



#30

Fluoranthene

Concen: 0.42 ng

RT: 19.63 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

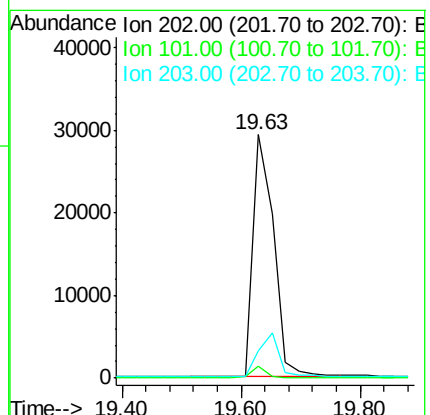
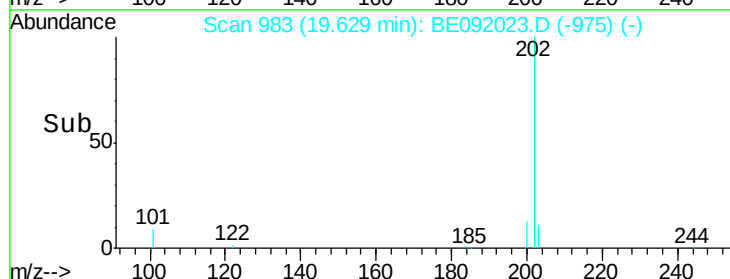
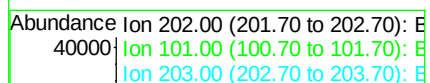
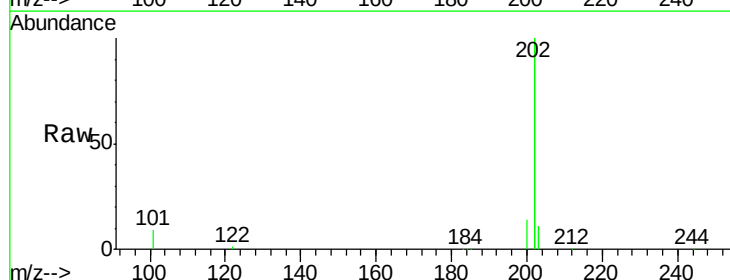
Tgt Ion:202 Resp: 71164

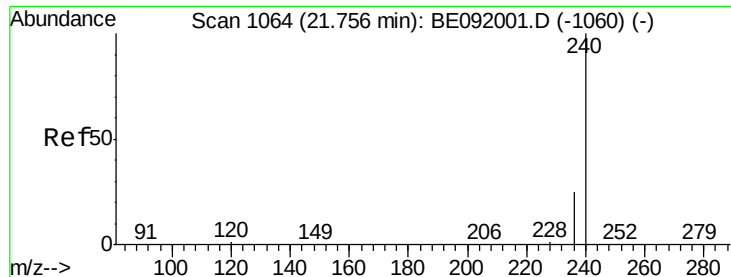
Ion Ratio Lower Upper

202 100

101 3.2 9.4 14.0#

203 0.0 14.3 21.5#





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

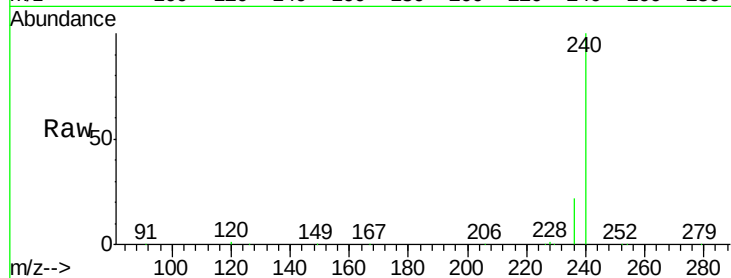
Tgt Ion:240 Resp: 187692

Ion Ratio Lower Upper

240 100

120 0.7 1.2 1.8#

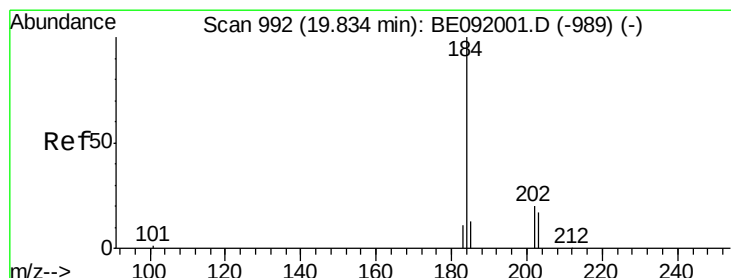
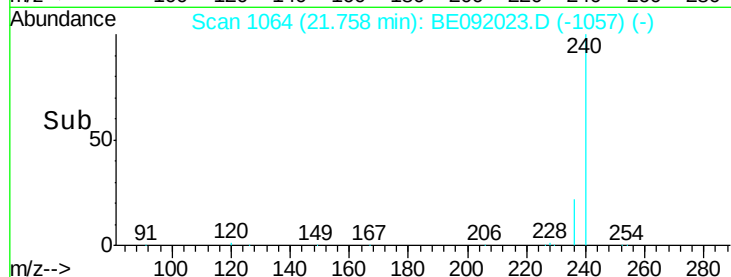
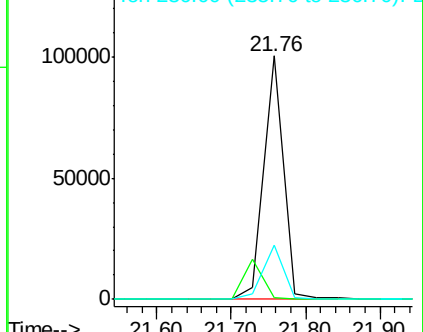
236 22.2 19.8 29.8



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: 0.65 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

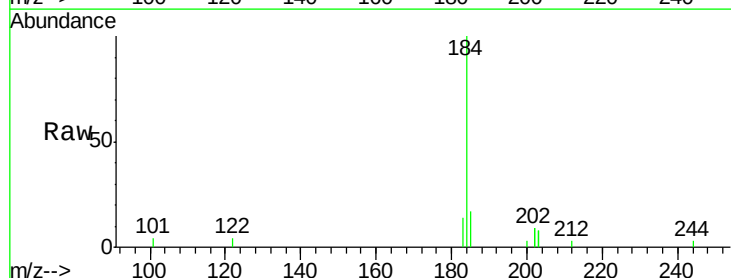
Tgt Ion:184 Resp: 4377

Ion Ratio Lower Upper

184 100

185 17.0 11.4 17.2

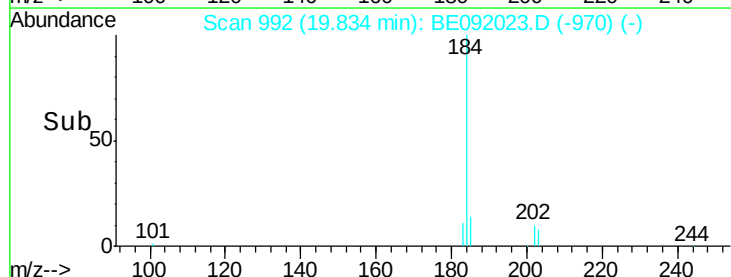
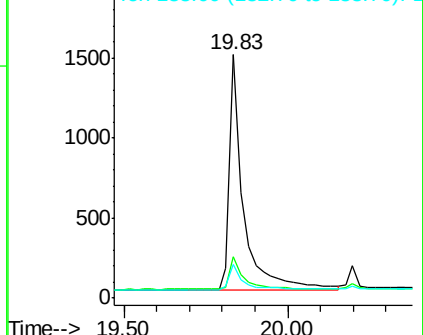
183 13.7 11.8 17.6

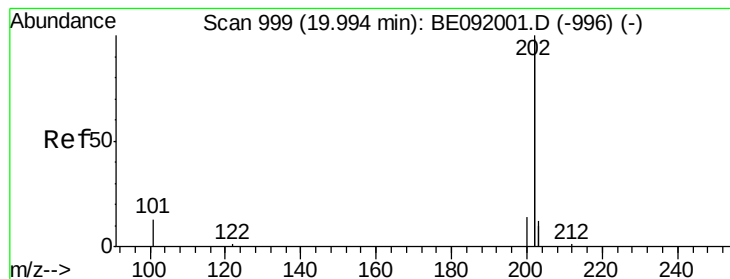


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.59 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

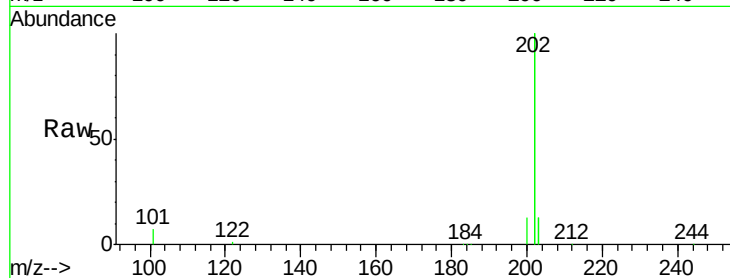
Tgt Ion:202 Resp: 79798

Ion Ratio Lower Upper

202 100

200 5.7 16.9 25.3#

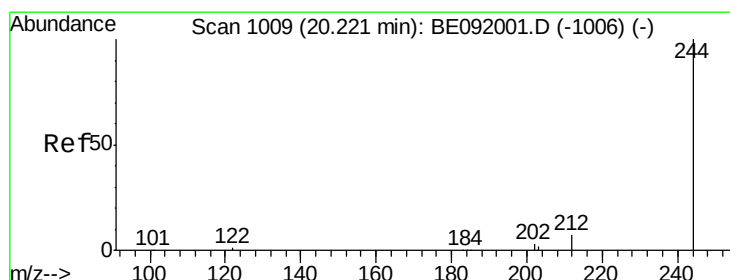
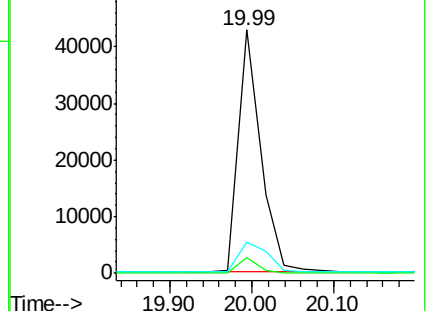
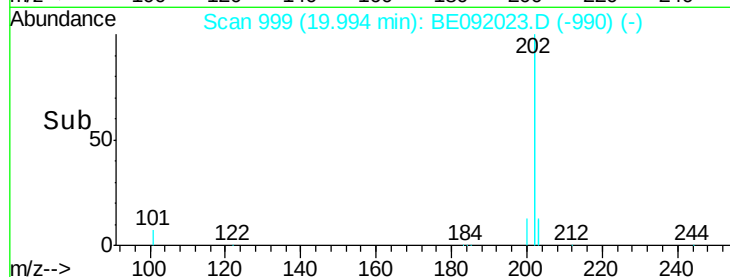
203 16.4 14.1 21.1



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: 0.54 ng

RT: 20.20 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

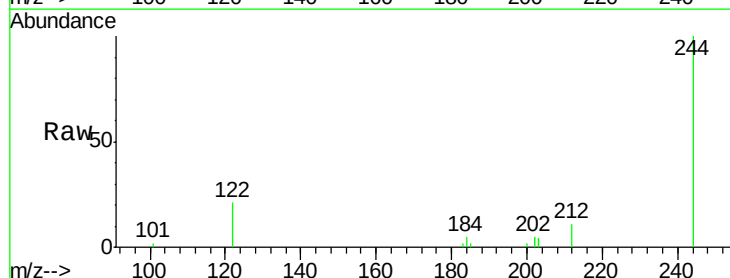
Tgt Ion:244 Resp: 10247

Ion Ratio Lower Upper

244 100

212 11.4 6.5 9.7#

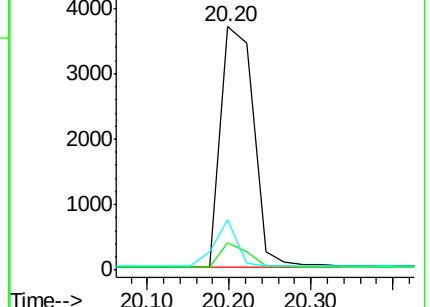
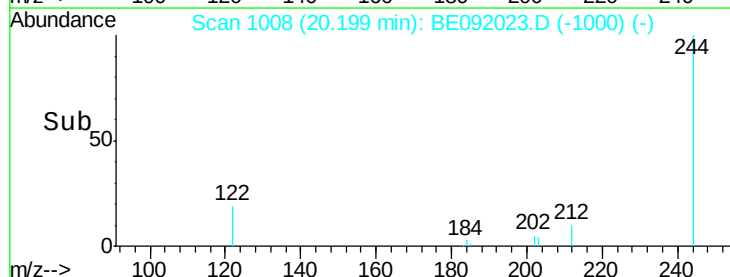
122 20.6 2.9 4.3#

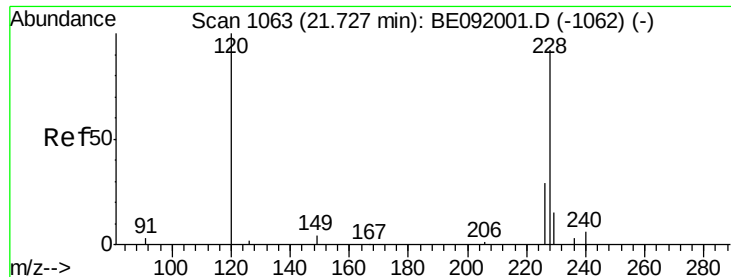


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 1.27 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

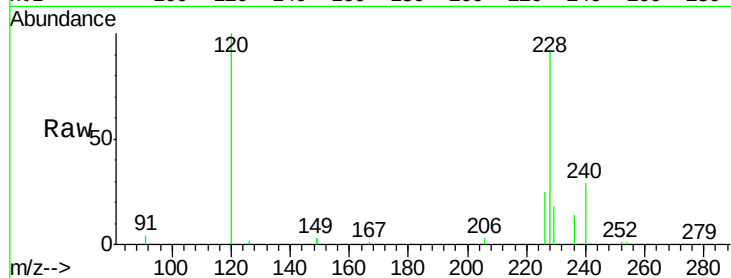
Tgt Ion:228 Resp: 53730

Ion Ratio Lower Upper

228 100

226 26.9 21.0 31.4

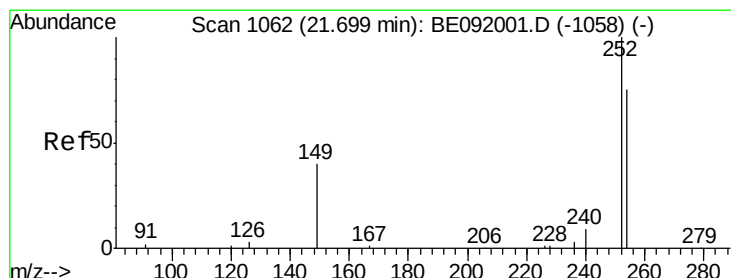
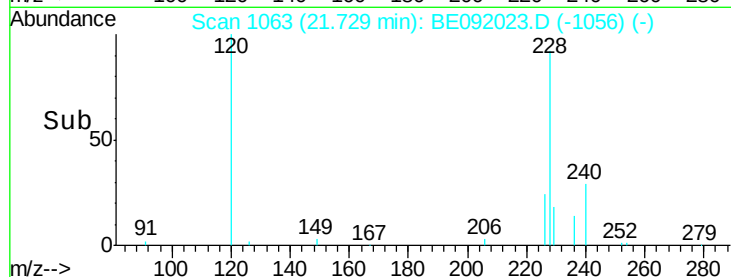
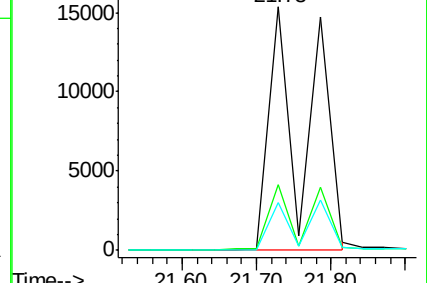
229 19.4 15.8 23.8



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: 0.85 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

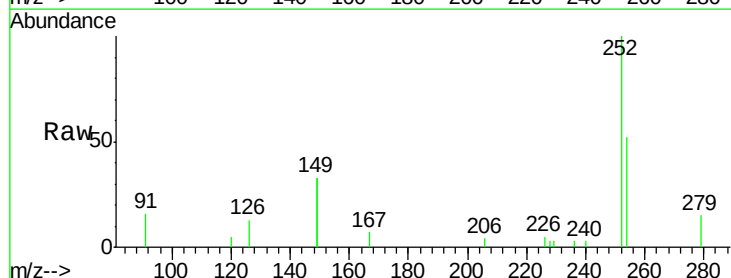
Tgt Ion:252 Resp: 5114

Ion Ratio Lower Upper

252 100

254 52.3 61.5 92.3#

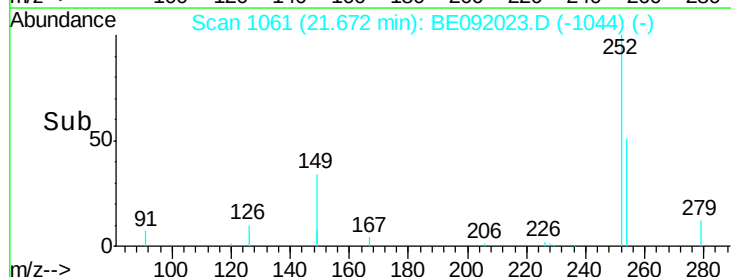
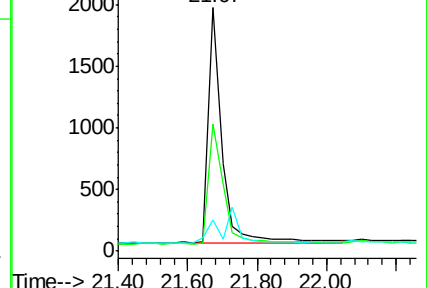
126 13.0 2.5 3.7#

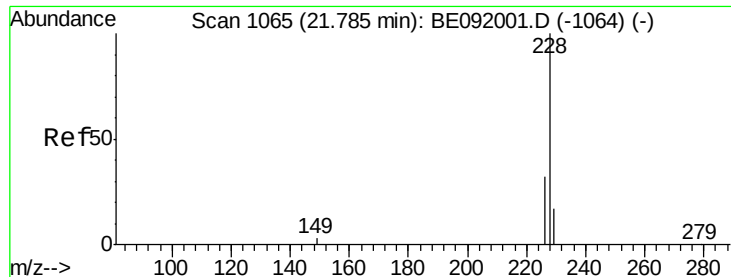


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 1.05 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

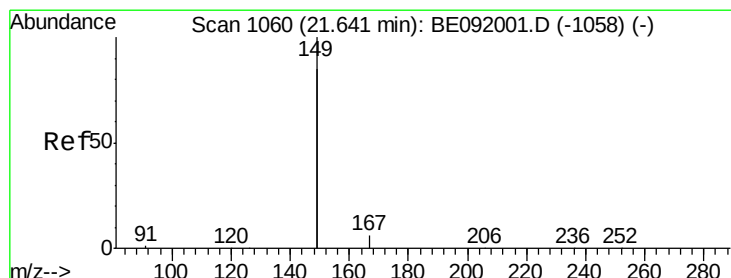
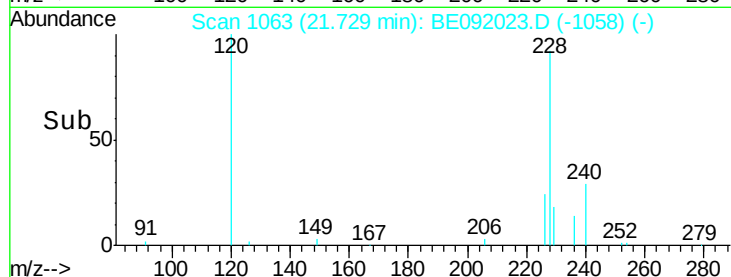
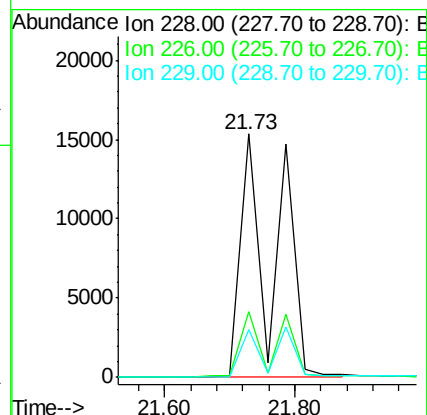
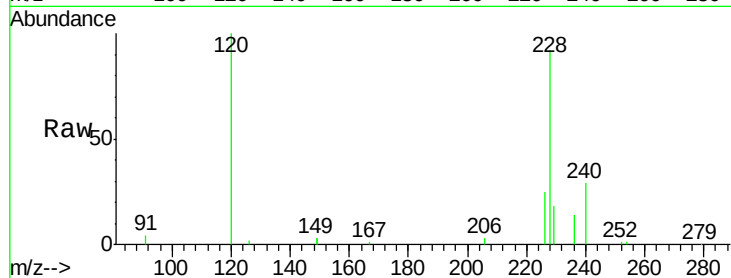
Tgt Ion:228 Resp: 54165

Ion Ratio Lower Upper

228 100

226 26.9 27.0 40.6#

229 19.4 13.8 20.8



#38

Bis(2-ethylhexyl)phthalate

Concen: 1.31 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

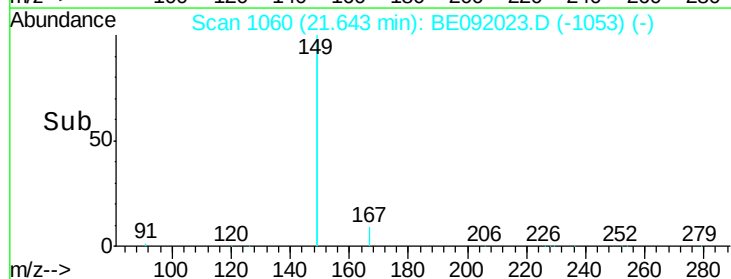
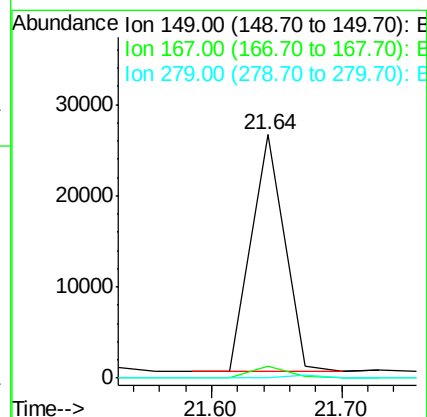
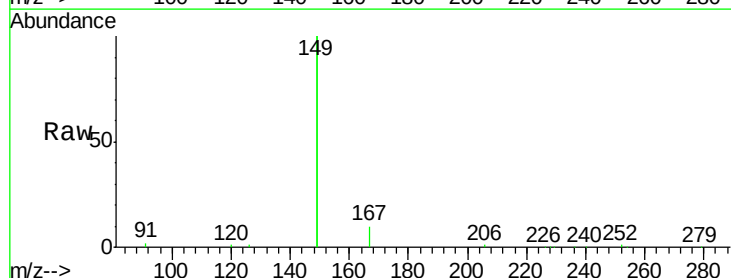
Tgt Ion:149 Resp: 45929

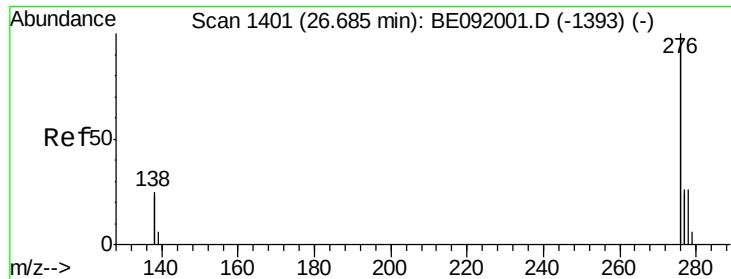
Ion Ratio Lower Upper

149 100

167 4.8 0.0 0.0#

279 0.0 0.0 0.0

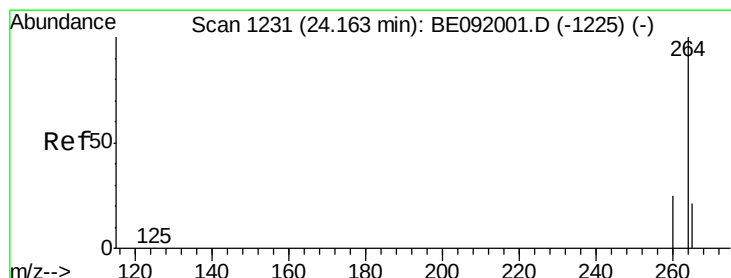
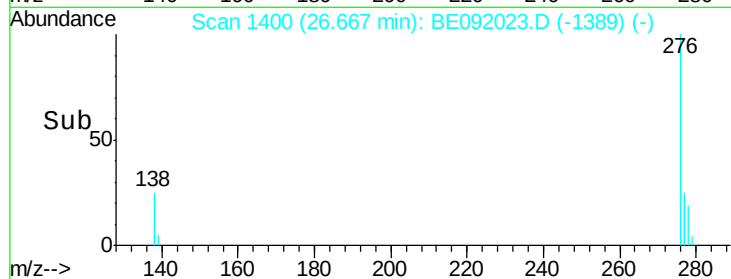
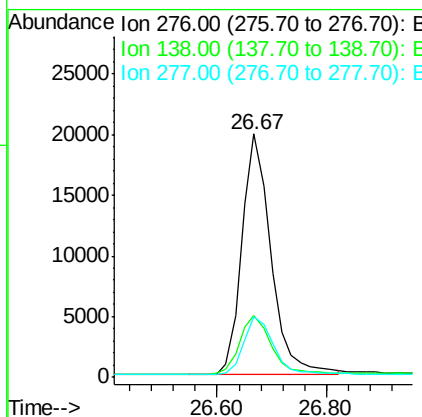
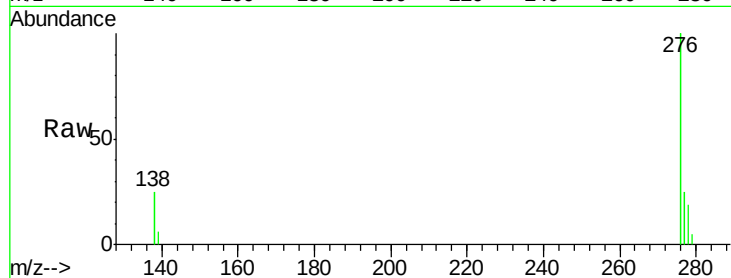




#39
Indeno(1,2,3-cd)pyrene
Concen: 0.52 ng
RT: 26.67 min Scan# 1400
Delta R.T. -0.02 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

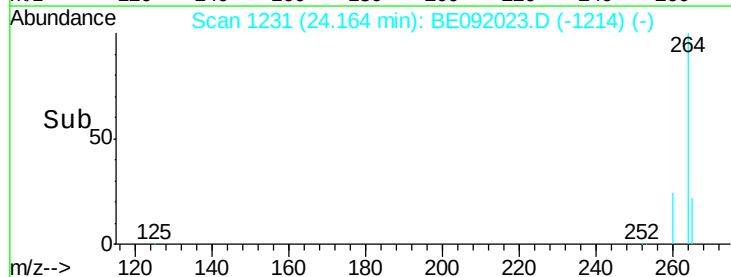
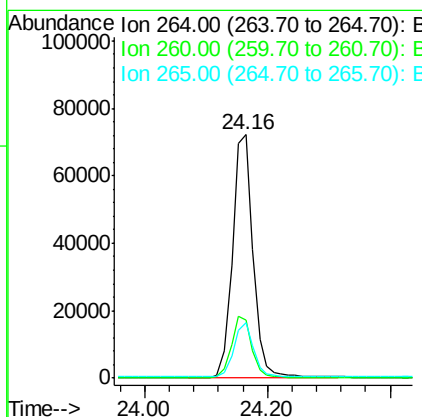
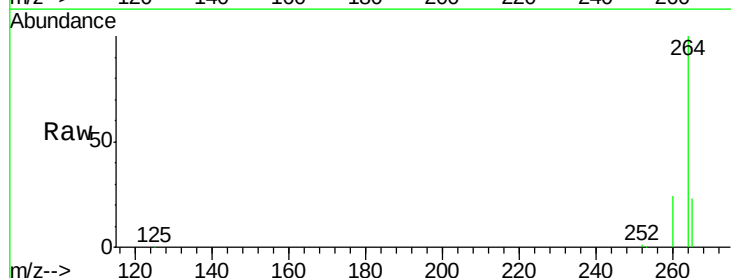
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

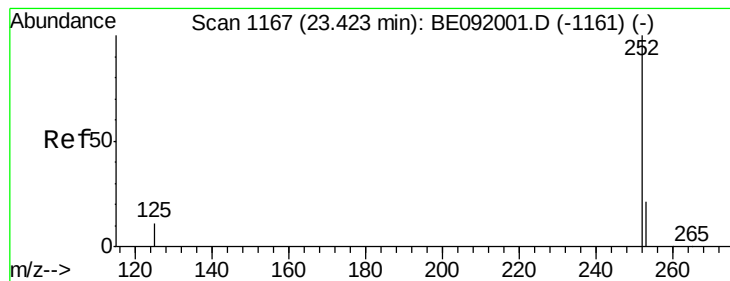
Tgt Ion: 276 Resp: 73388
Ion Ratio Lower Upper
276 100
138 26.1 19.7 29.5
277 24.8 20.1 30.1



#40
Perylene-d12
Concen: 5.00 ng
RT: 24.16 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BE092023.D
Acq: 23 Jul 2016 1:53

Tgt Ion: 264 Resp: 169196
Ion Ratio Lower Upper
264 100
260 23.9 20.3 30.5
265 22.6 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.44 ng

RT: 23.42 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

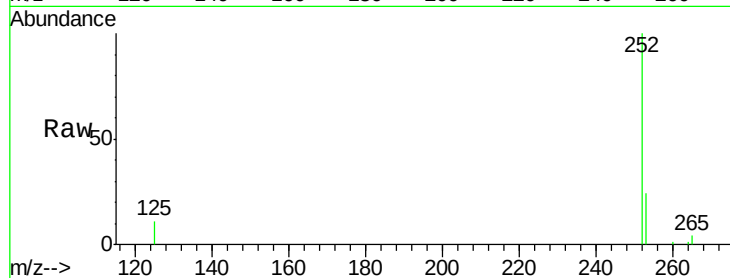
Tgt Ion:252 Resp: 19492

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

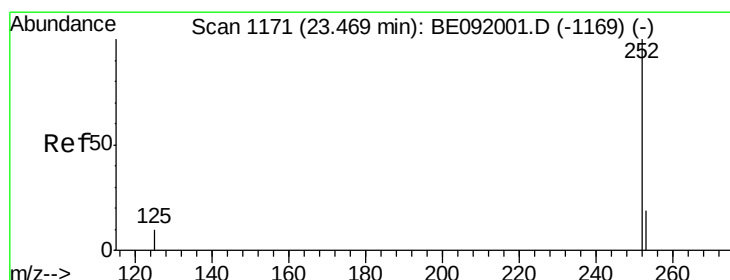
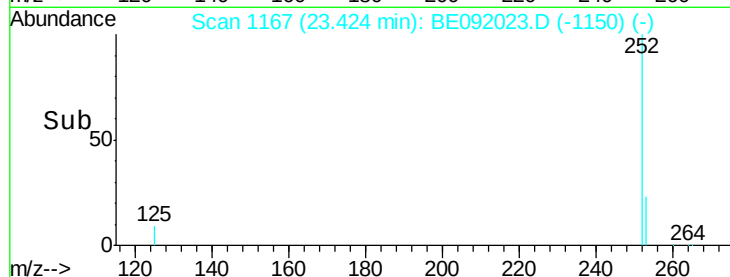
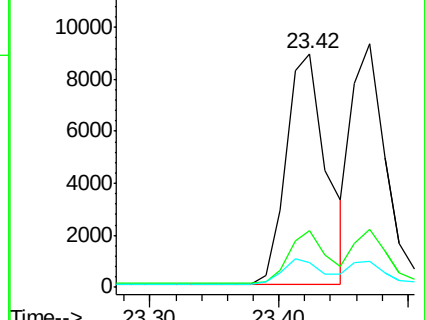
125 10.6 9.4 14.2



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: 0.38 ng

RT: 23.47 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

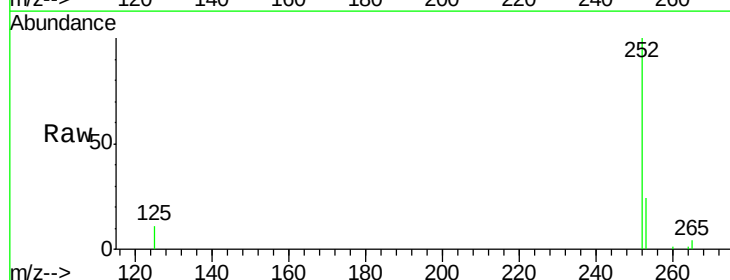
Tgt Ion:252 Resp: 17328

Ion Ratio Lower Upper

252 100

253 23.8 19.4 29.2

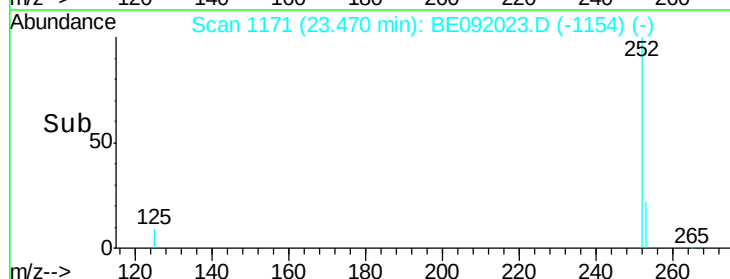
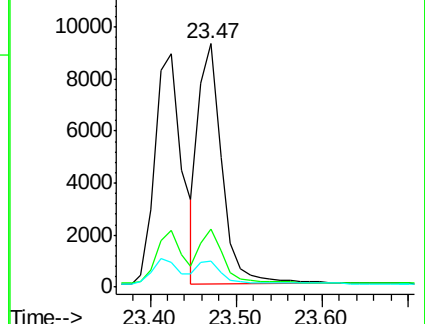
125 10.6 8.3 12.5

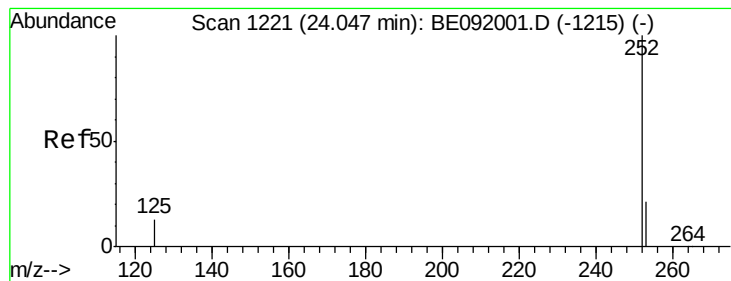


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 0.41 ng

RT: 24.05 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

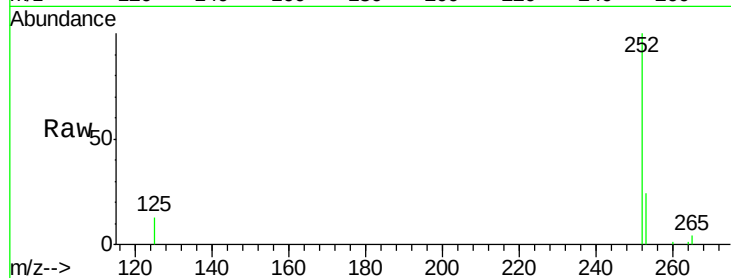
Tgt Ion: 252 Resp: 16827

Ion Ratio Lower Upper

252 100

253 23.9 18.9 28.3

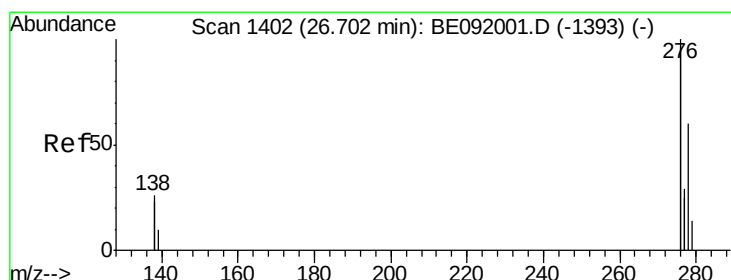
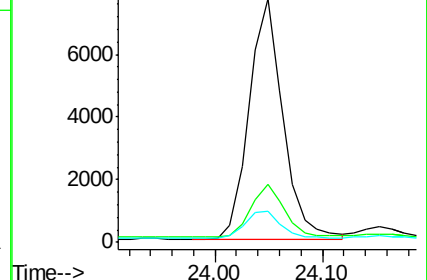
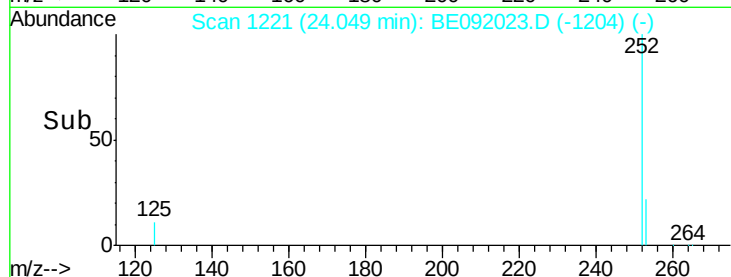
125 13.0 10.5 15.7



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: 0.41 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE092023.D

Acq: 23 Jul 2016 1:53

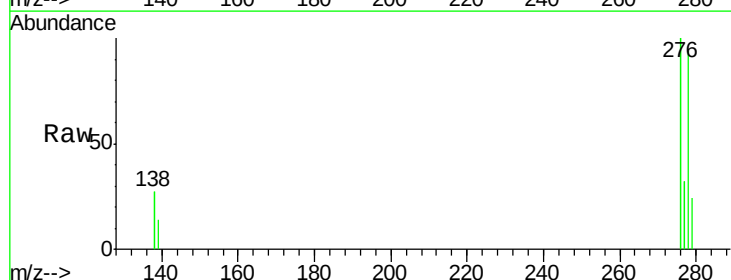
Tgt Ion: 278 Resp: 14969

Ion Ratio Lower Upper

278 100

139 15.2 12.6 18.8

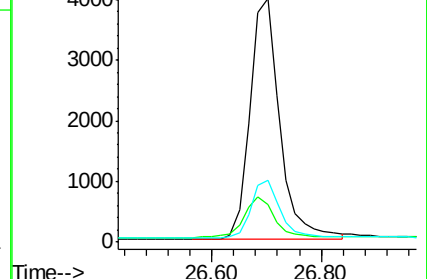
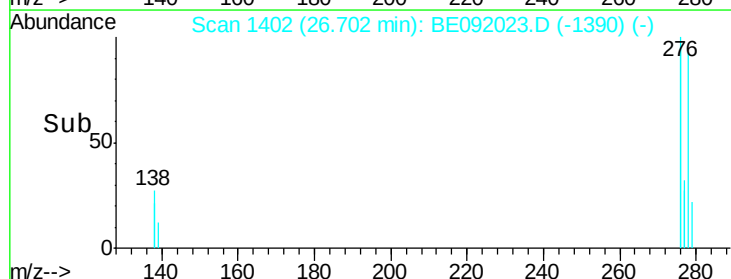
279 25.4 20.0 30.0

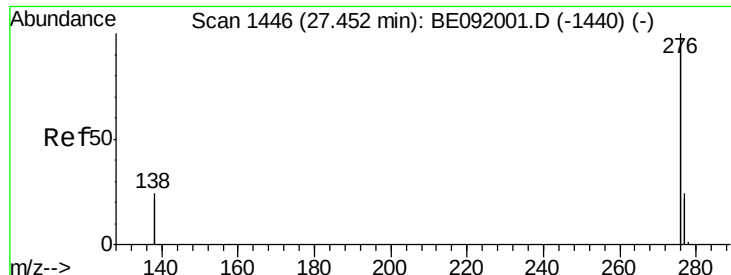


Abundance Ion 278.00 (277.70 to 278.70): E

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: BE092023.D

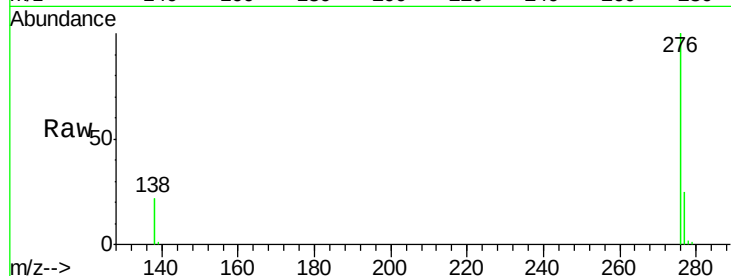
Acq: 23 Jul 2016 1:53

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



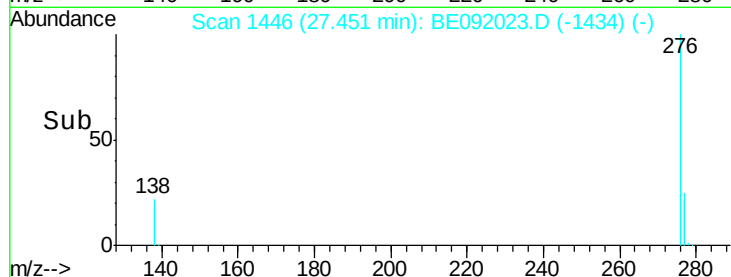
Tgt Ion: 276 Resp: 61861

Ion Ratio Lower Upper

276 100

277 25.3 19.5 29.3

138 21.6 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

