

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
 Data File : BE092062.D
 Acq On : 27 Jul 2016 18:39
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Jul 28 01:36:13 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:13:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	9940	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	44212	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	21037	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	63949	5.00	ng	0.00
31) Chrysene-d12	21.76	240	64991	5.00	ng	0.00
40) Perylene-d12	24.15	264	66016	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	811	0.37	ng	-0.02
5) Phenol-d6	7.35	99	1013	0.34	ng	0.00
9) Nitrobenzene-d5	9.37	82	1150	0.35	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	250	0.43	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	3181	0.38	ng	0.00
34) Terphenyl-d14	20.20	244	3921	0.32	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.46	88	570	0.42	ng	99
3) n-Nitrosodimethylamine	3.82	42	636	0.39	ng	# 94
6) bis(2-Chloroethyl)ether	7.61	93	1069	0.37	ng	94
7) n-Nitroso-di-n-propylamine	9.00	70	871	0.37	ng	99
10) Nitrobenzene	9.40	77	1191	0.37	ng	99
11) bis(2-Chloroethoxy)methane	10.42	93	1340	0.36	ng	97
12) Naphthalene	11.04	128	3909	0.40	ng	99
13) Hexachlorobutadiene	11.32	225	603	0.42	ng	# 99
14) 2-Methylnaphthalene	12.66	142	2477	0.40	ng	90
18) Acenaphthylene	14.56	152	20122	0.37	ng	99
19) 2,6-Dinitrotoluene	14.44	165	1896	0.42	ng	# 100
20) Acenaphthene	14.92	154	2212	0.38	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	5006	0.76	ng	# 1
22) Fluorene	15.90	166	3394	0.38	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	1689	0.38	ng	88
25) 4-Bromophenyl-phenylether	16.78	248	1058	0.40	ng	98
26) Hexachlorobenzene	16.90	284	1093	0.40	ng	99
27) Pentachlorophenol	17.25	266	184	0.50	ng	97
28) Phenanthrene	17.63	178	6586	0.41	ng	100
29) Anthracene	17.72	178	5787	0.39	ng	99
30) Fluoranthene	19.63	202	26911	0.37	ng	99
32) Benzidine	19.83	184	853	0.35	ng	96
33) Pyrene	19.99	202	30582	0.37	ng	99
35) Benzo(a)anthracene	21.73	228	22488	0.81	ng	98
36) 3,3'-Dichlorobenzidine	21.67	252	1545	0.43	ng	98
37) Chrysene	21.73	228	22732	0.99	ng	97
38) Bis(2-ethylhexyl)phthalate	21.64	149	24253	0.45	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	27298	0.36	ng	100
41) Benzo(b)fluoranthene	23.41	252	8415	0.43	ng	98
42) Benzo(k)fluoranthene	23.46	252	9195	0.47	ng	96
43) Benzo(a)pyrene	24.05	252	6769	0.40	ng	100
44) Dibenzo(a,h)anthracene	26.70	278	5457	0.37	ng	95
45) Benzo(g,h,i)perylene	27.45	276	23077	0.38	ng	95

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:13:26 2016
Response via : Initial Calibration

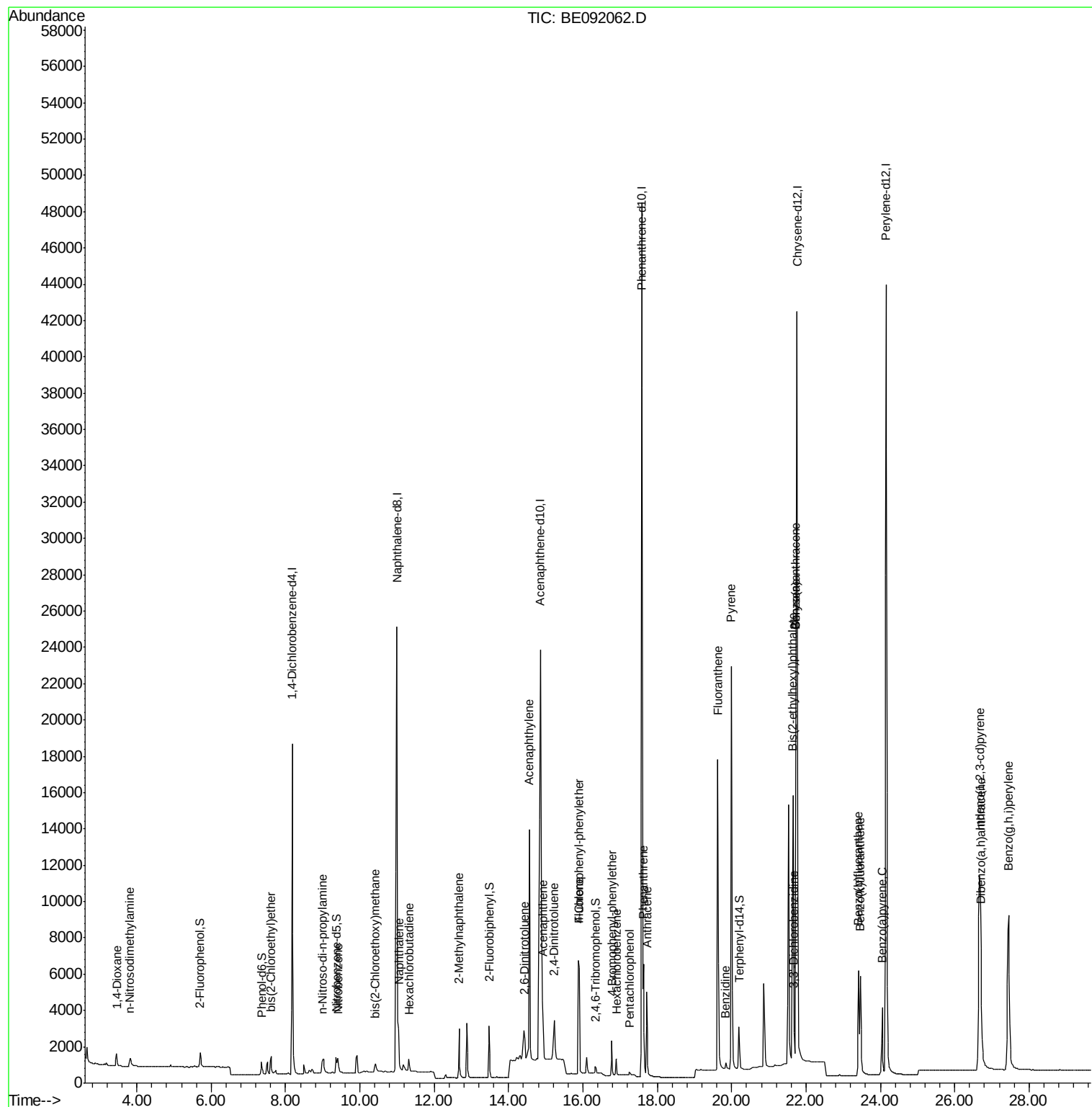
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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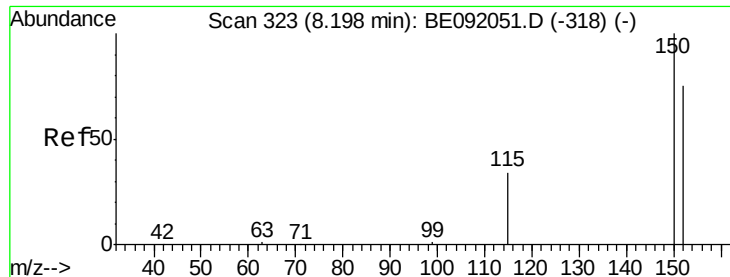
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 322

Delta R.T. -0.02 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

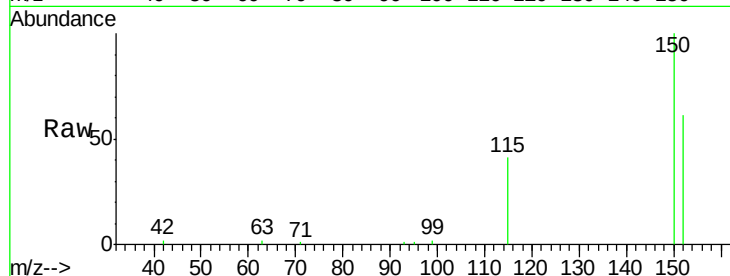
Tgt Ion:152 Resp: 9940

Ion Ratio Lower Upper

152 100

150 164.5 106.0 159.0#

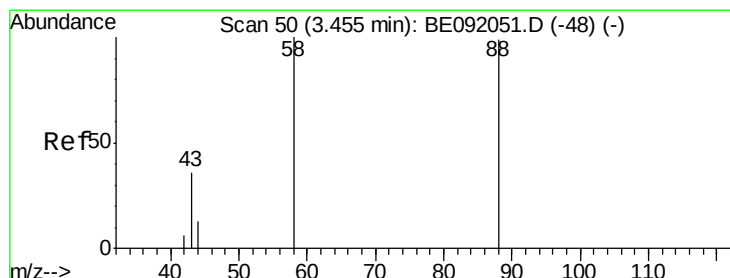
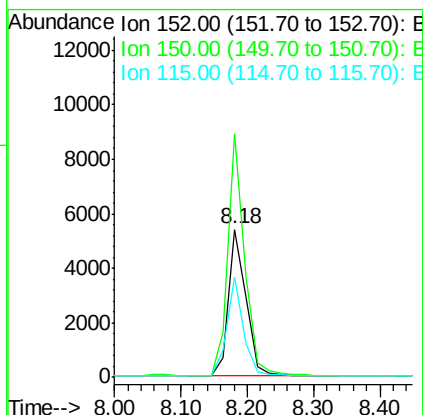
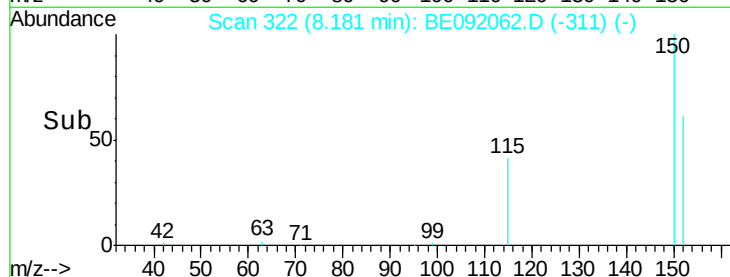
115 67.5 36.9 55.3#



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: 0.42 ng

RT: 3.46 min Scan# 50

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

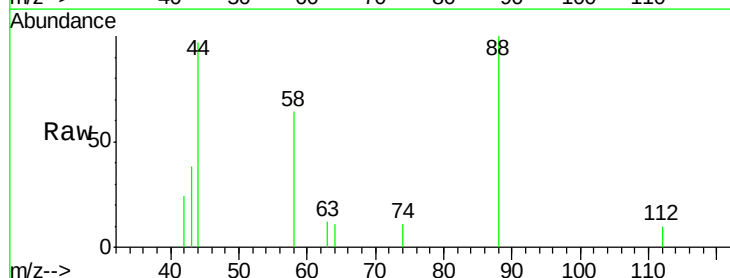
Tgt Ion: 88 Resp: 570

Ion Ratio Lower Upper

88 100

58 77.5 62.1 93.1

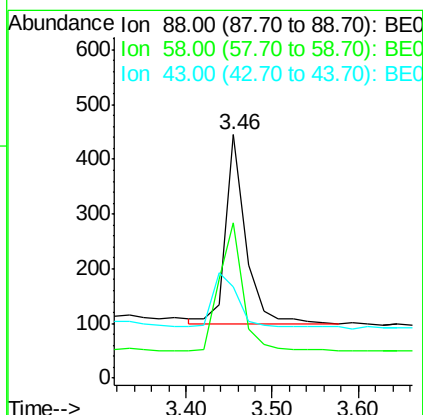
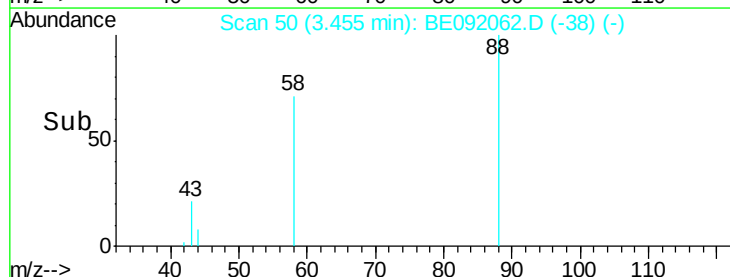
43 35.3 27.2 40.8

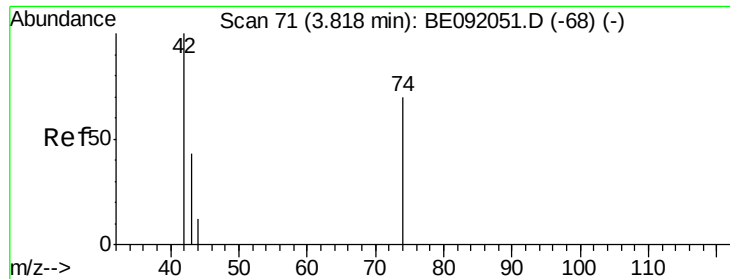


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.39 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

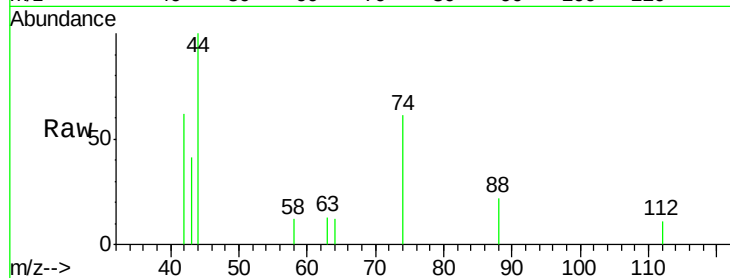
Tgt Ion: 42 Resp: 636

Ion Ratio Lower Upper

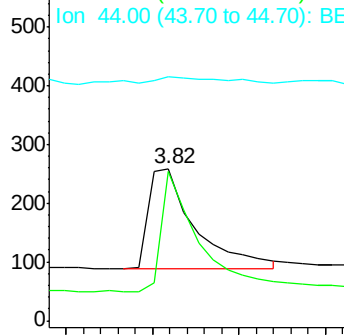
42 100

74 97.3 82.8 124.2

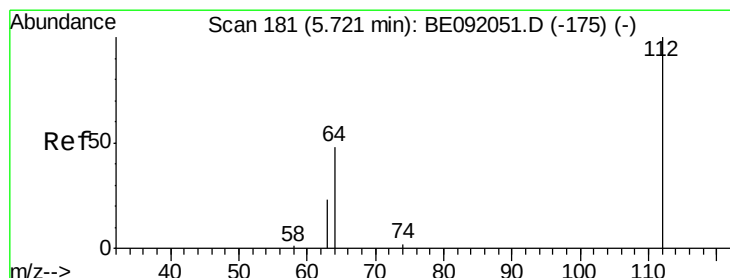
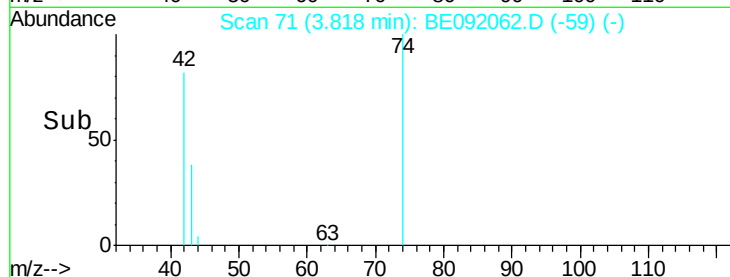
44 8.8 9.0 13.4#



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: 0.37 ng

RT: 5.70 min Scan# 180

Delta R.T. -0.02 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

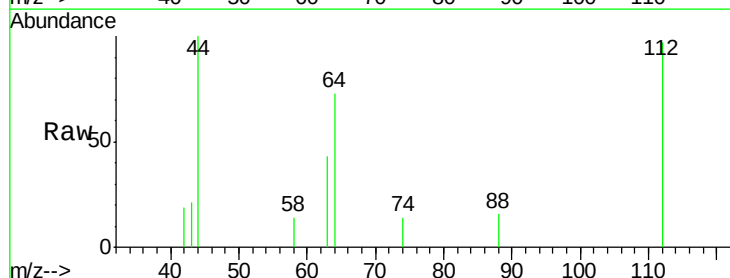
Tgt Ion: 112 Resp: 811

Ion Ratio Lower Upper

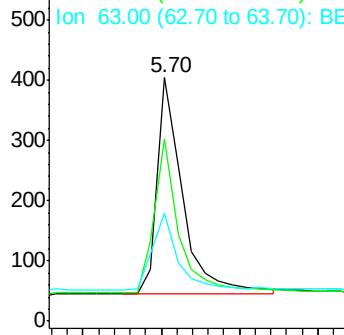
112 100

64 69.5 55.9 83.9

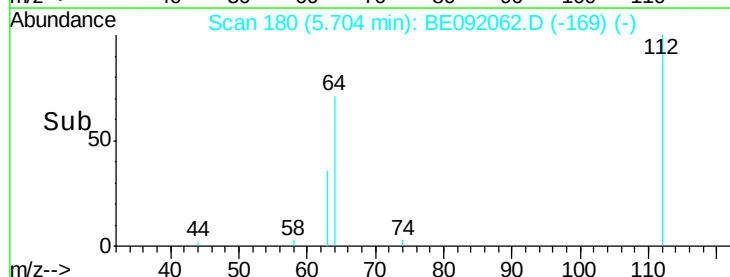
63 38.1 31.1 46.7

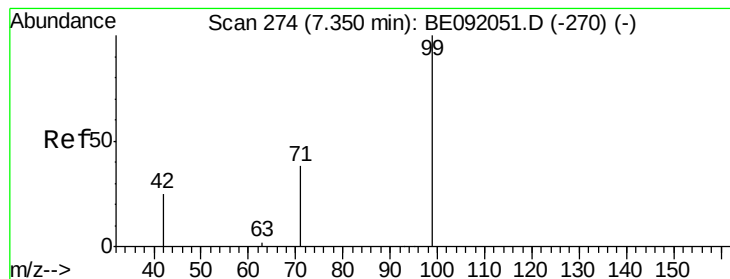


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time--> 5.60 5.70 5.80 5.90





#5

Phenol-d6

Concen: 0.34 ng

RT: 7.35 min Scan# 274

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

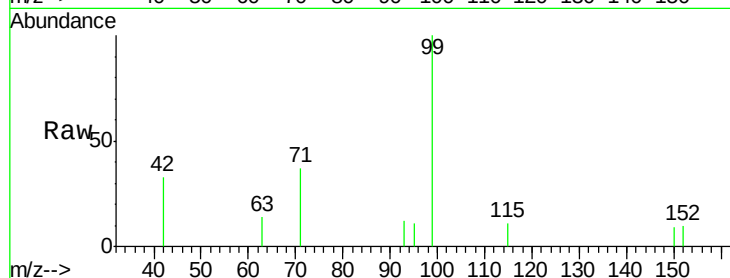
Tgt Ion: 99 Resp: 1013

Ion Ratio Lower Upper

99 100

42 27.3 22.4 33.6

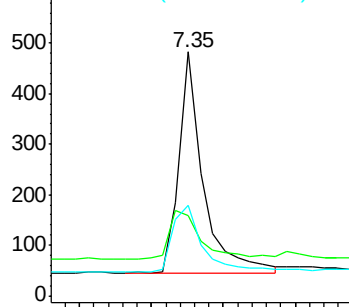
71 36.0 28.9 43.3



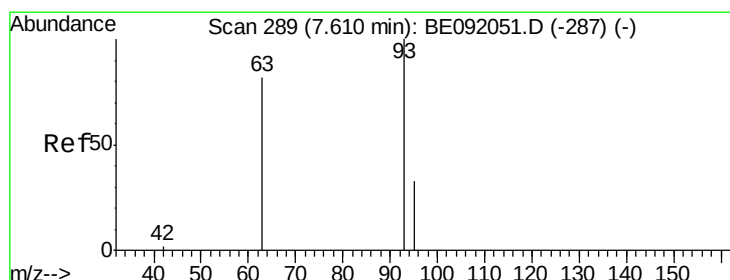
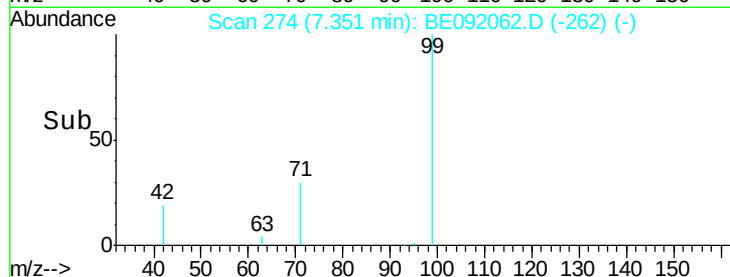
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.37 ng

RT: 7.61 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

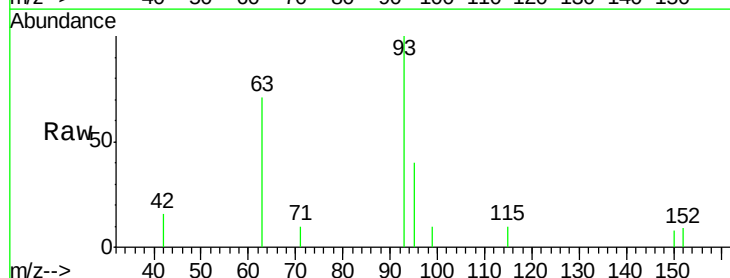
Tgt Ion: 93 Resp: 1069

Ion Ratio Lower Upper

93 100

63 86.6 64.4 96.6

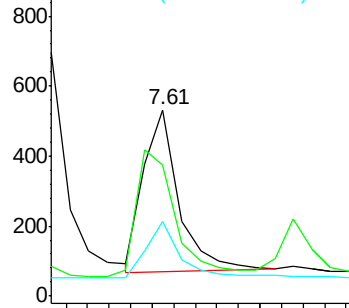
95 34.7 25.8 38.8



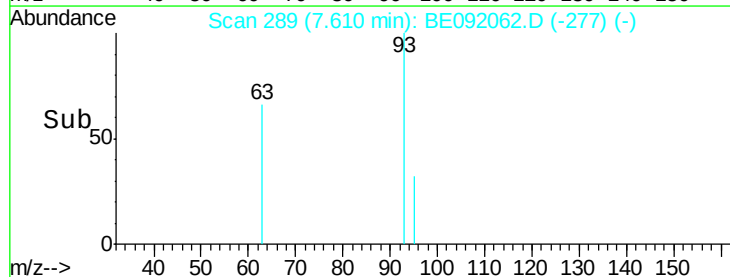
Abundance Ion 93.00 (92.70 to 93.70): BE0

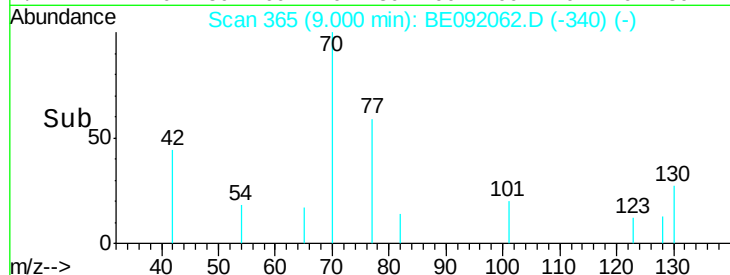
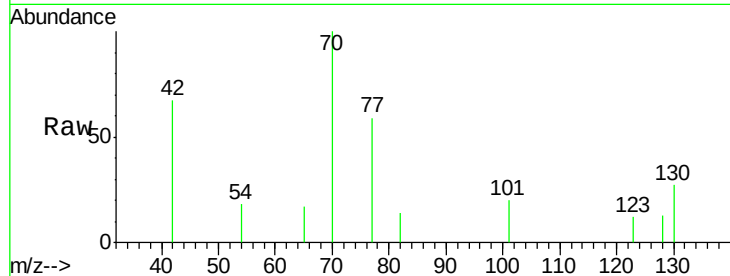
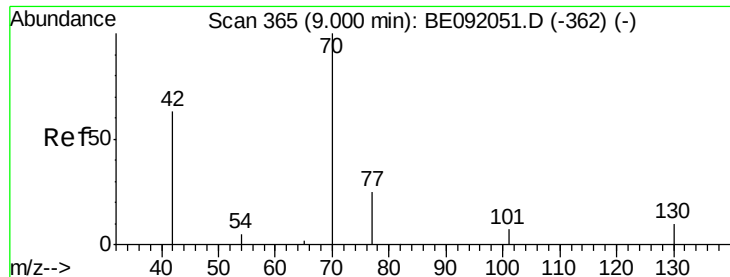
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

n-Nitroso-di-n-propylamine

Concen: 0.37 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tgt Ion: 70 Resp: 871

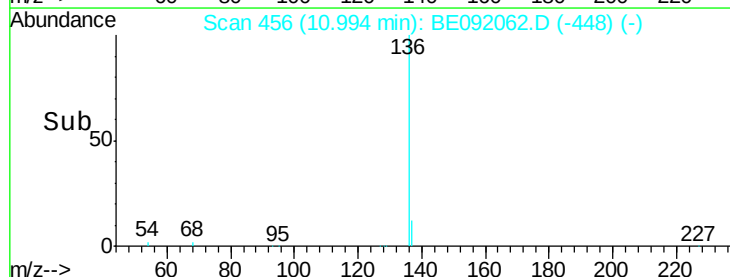
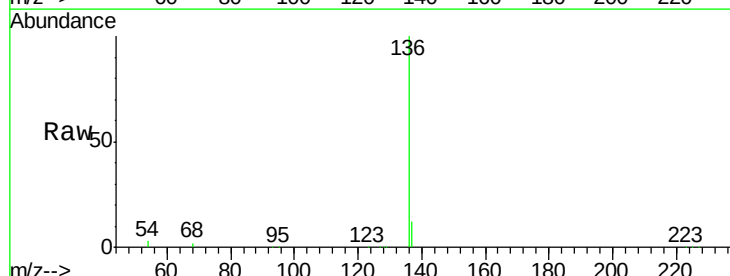
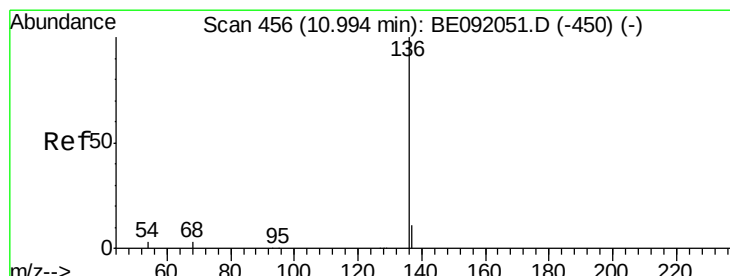
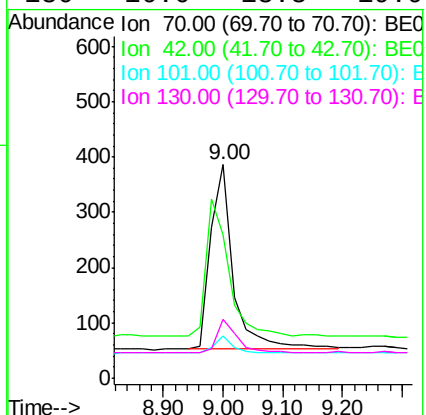
Ion Ratio Lower Upper

70 100

42 75.7 60.2 90.4

101 8.7 6.8 10.2

130 16.0 13.3 19.9



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Tgt Ion: 136 Resp: 44212

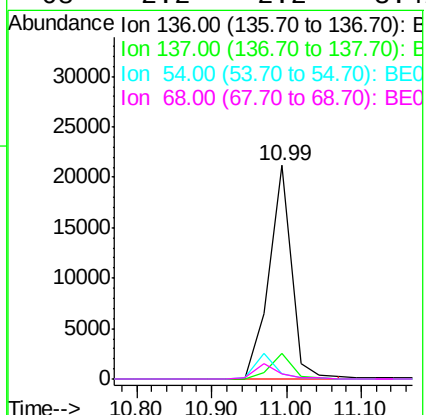
Ion Ratio Lower Upper

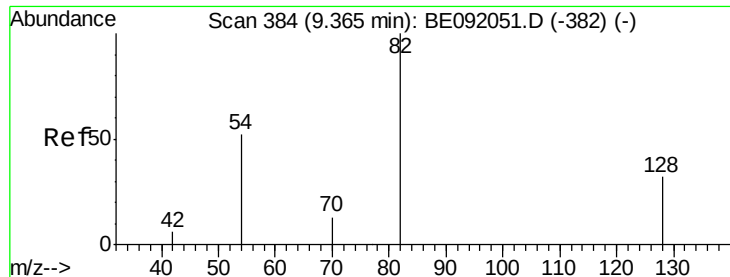
136 100

137 11.7 9.1 13.7

54 2.7 2.7 4.1#

68 2.2 2.2 3.4#





#9

Nitrobenzene-d5

Concen: 0.35 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

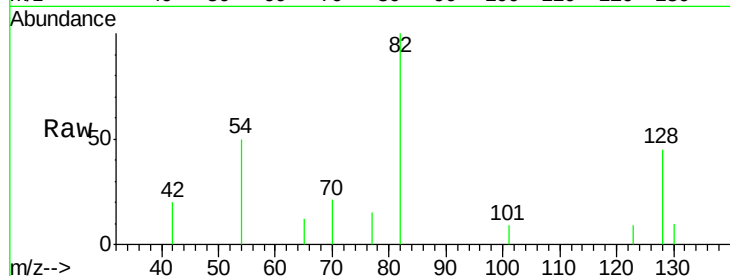
Tgt Ion: 82 Resp: 1150

Ion Ratio Lower Upper

82 100

128 45.3 33.0 49.4

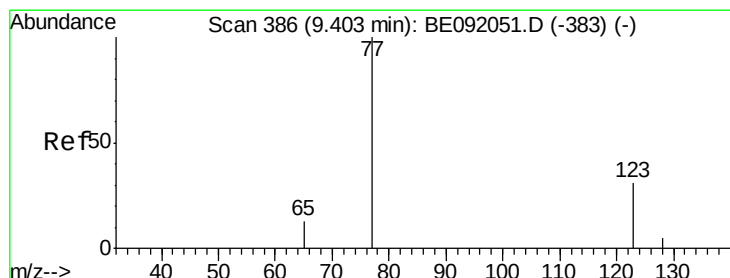
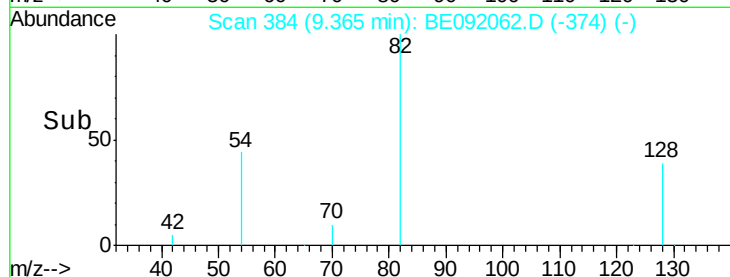
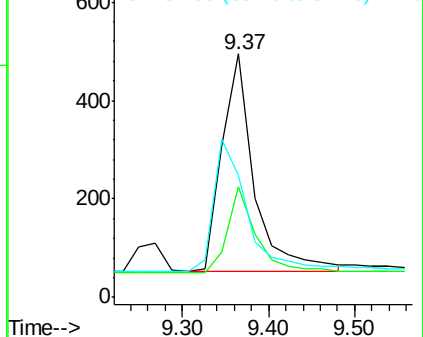
54 49.9 42.6 63.8



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: 0.37 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

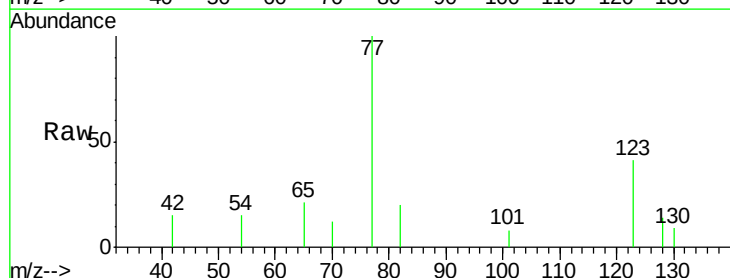
Tgt Ion: 77 Resp: 1191

Ion Ratio Lower Upper

77 100

123 36.9 29.9 44.9

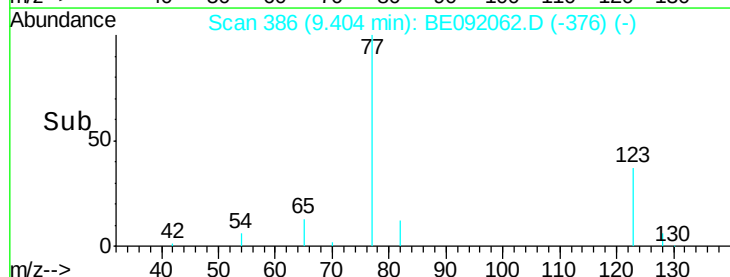
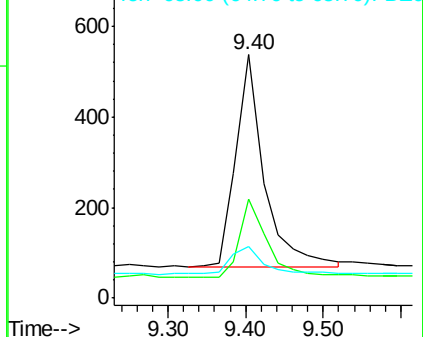
65 15.4 11.4 17.0

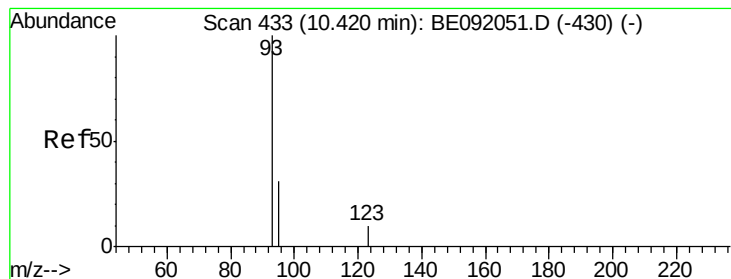


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.36 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

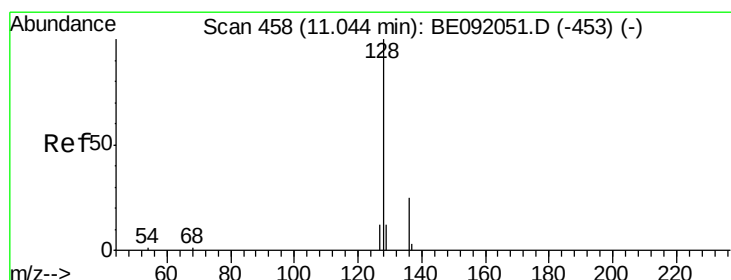
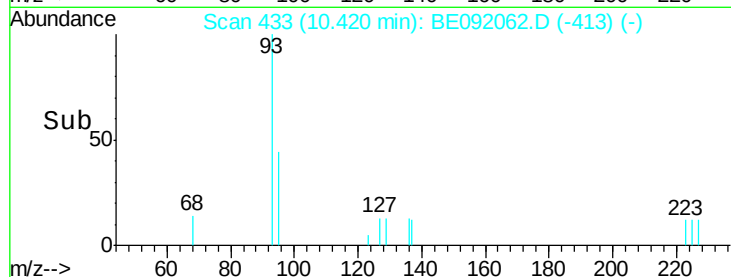
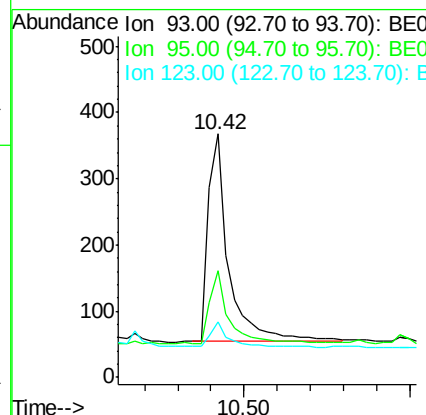
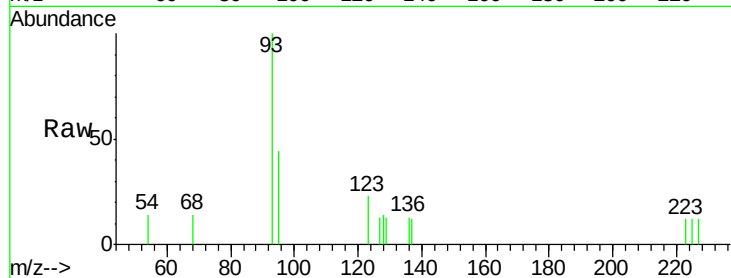
Tgt Ion: 93 Resp: 1340

Ion Ratio Lower Upper

93 100

95 32.8 25.0 37.6

123 9.0 7.8 11.8



#12

Naphthalene

Concen: 0.40 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

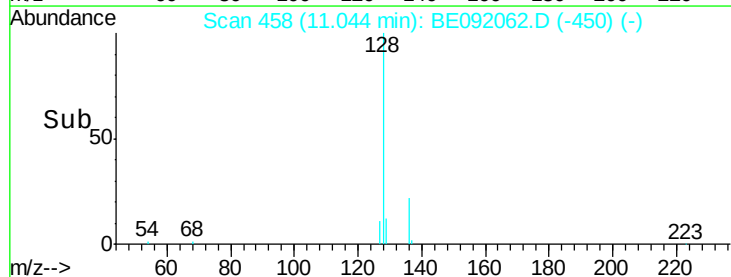
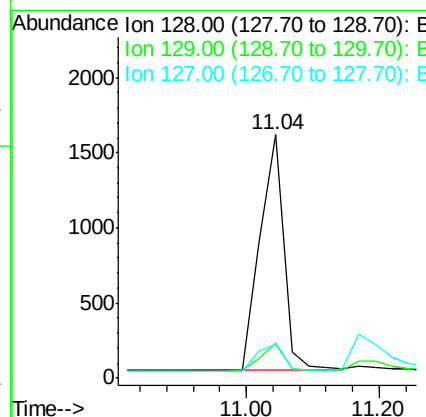
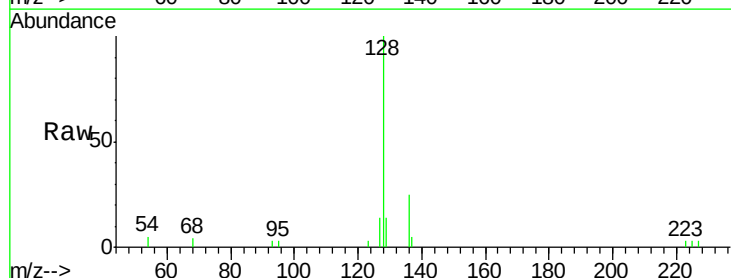
Tgt Ion: 128 Resp: 3909

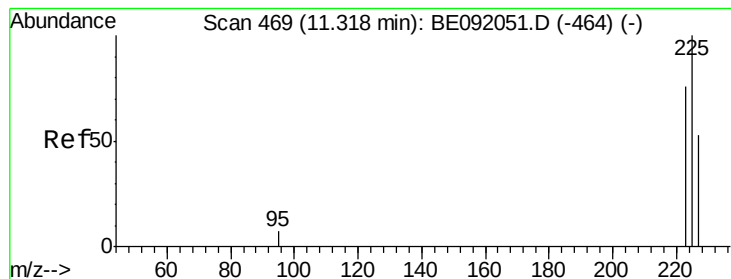
Ion Ratio Lower Upper

128 100

129 14.4 11.1 16.7

127 13.6 11.3 16.9





#13

Hexachlorobutadiene

Concen: 0.42 ng

RT: 11.32 min Scan# 469

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

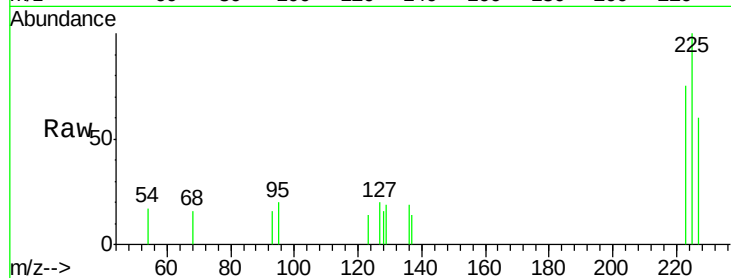
Tgt Ion:225 Resp: 603

Ion Ratio Lower Upper

225 100

223 64.3 51.9 77.9

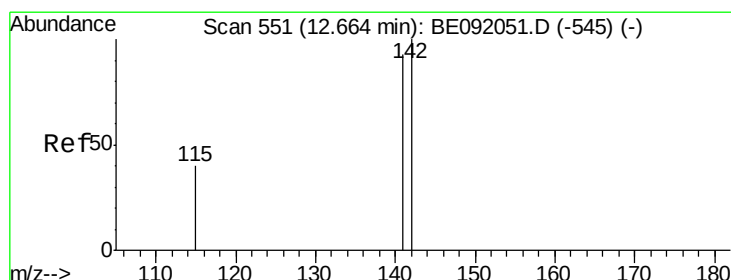
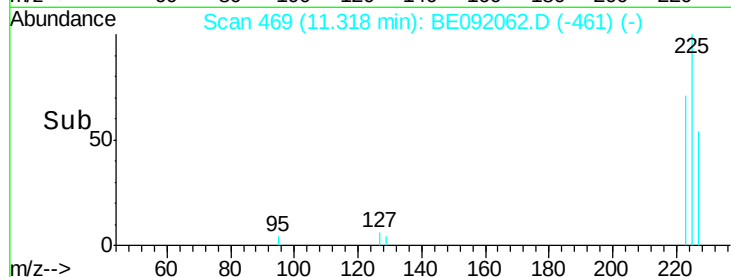
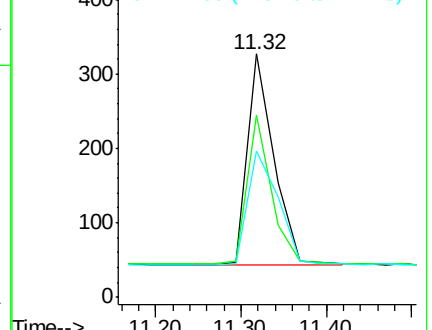
227 61.9 0.0 0.0#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#14

2-Methylnaphthalene

Concen: 0.40 ng

RT: 12.66 min Scan# 551

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

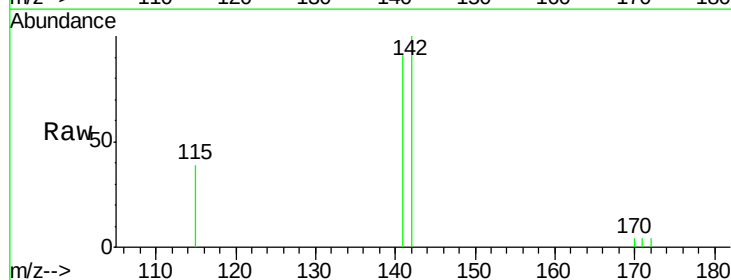
Tgt Ion:142 Resp: 2477

Ion Ratio Lower Upper

142 100

141 91.0 65.1 97.7

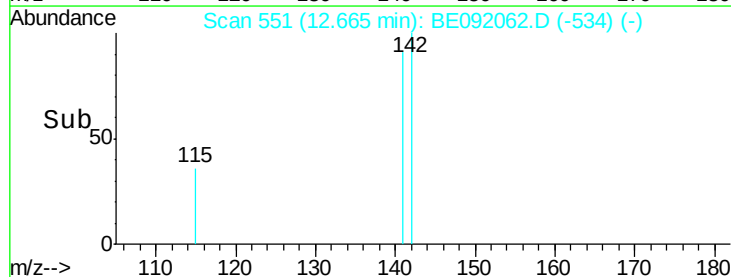
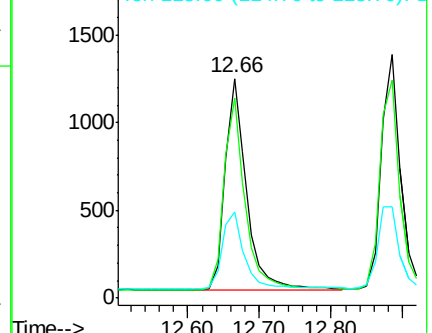
115 39.0 27.0 40.4

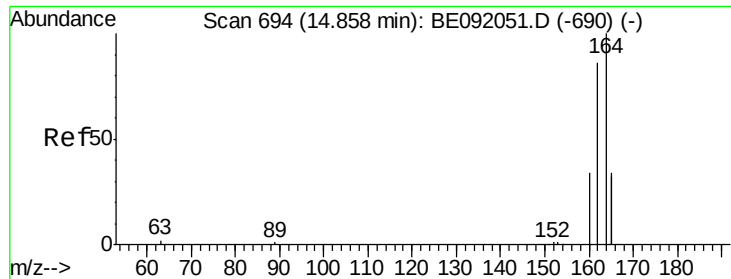


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

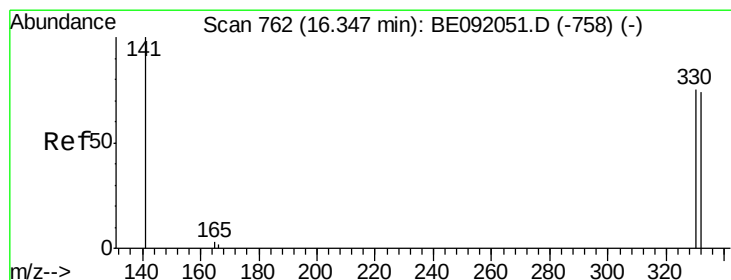
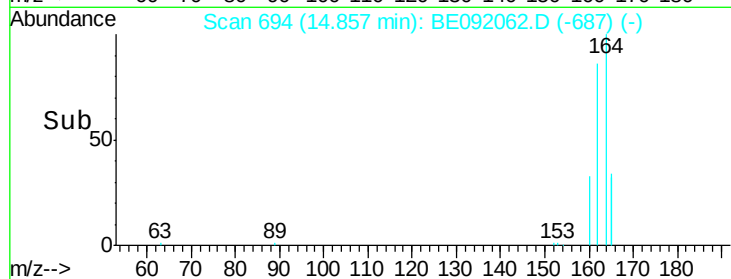
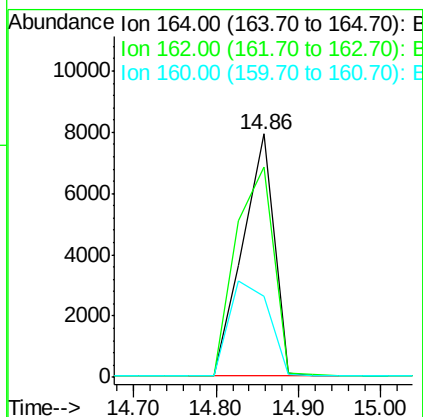
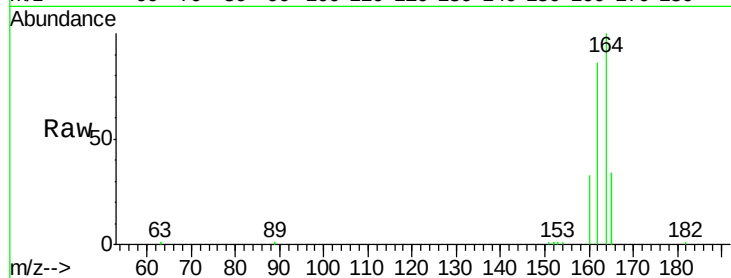




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BE092062.D
 Acq: 27 Jul 2016 18:39

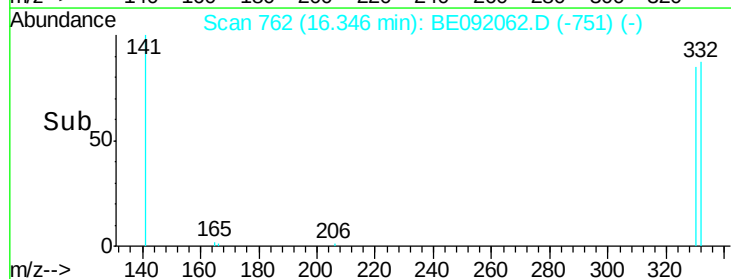
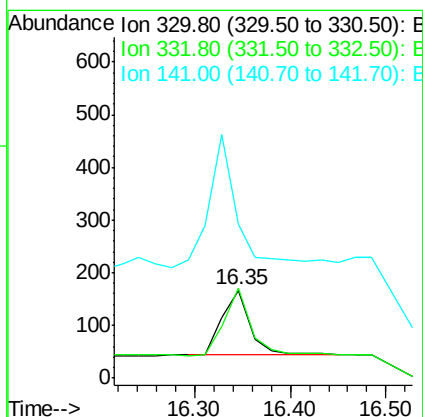
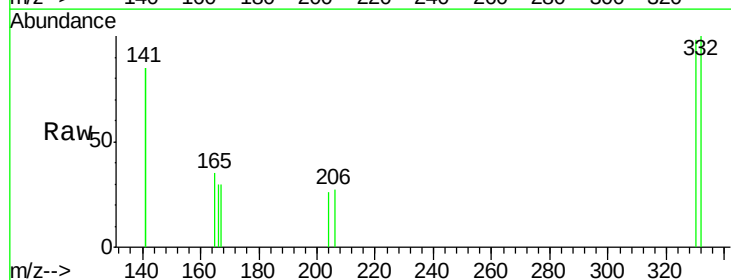
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

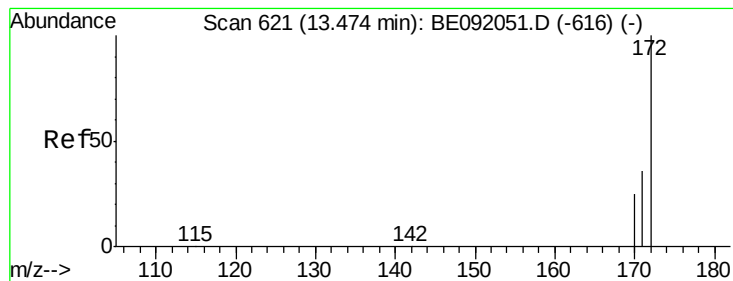
Tgt Ion:164 Resp: 21037
 Ion Ratio Lower Upper
 164 100
 162 86.1 69.5 104.3
 160 33.2 27.6 41.4



#16
 2,4,6-Tribromophenol
 Concen: 0.43 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE092062.D
 Acq: 27 Jul 2016 18:39

Tgt Ion:330 Resp: 250
 Ion Ratio Lower Upper
 330 100
 332 99.6 74.2 111.4
 141 203.6 139.8 209.8

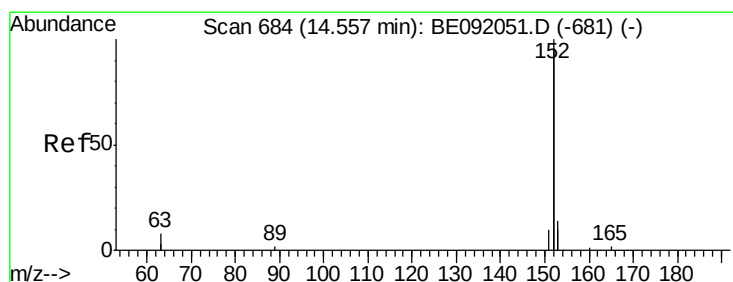
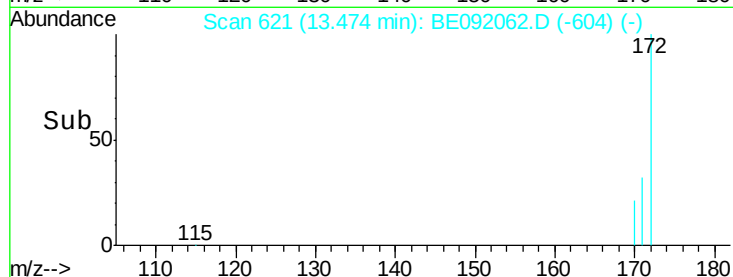
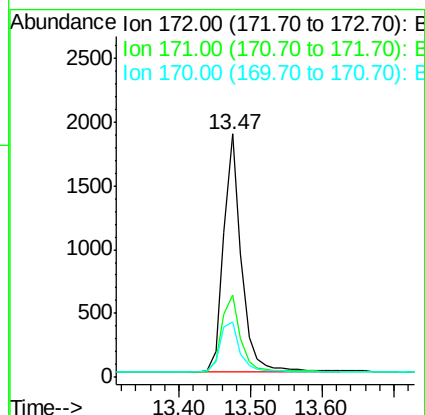
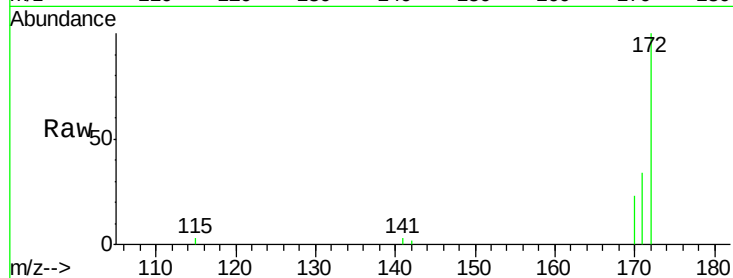




#17
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 13.47 min Scan# 621
Delta R.T. 0.00 min
Lab File: BE092062.D
Acq: 27 Jul 2016 18:39

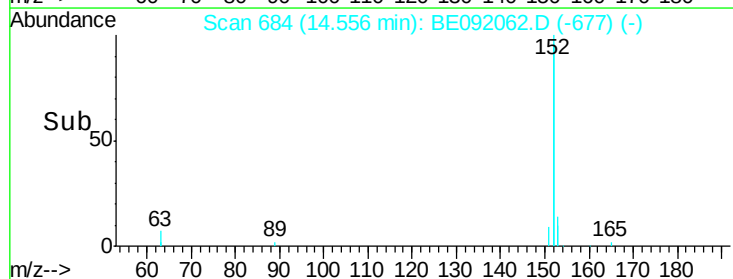
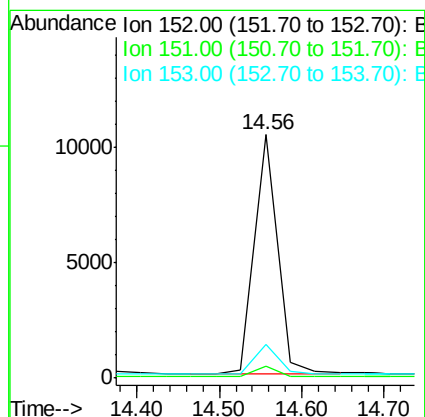
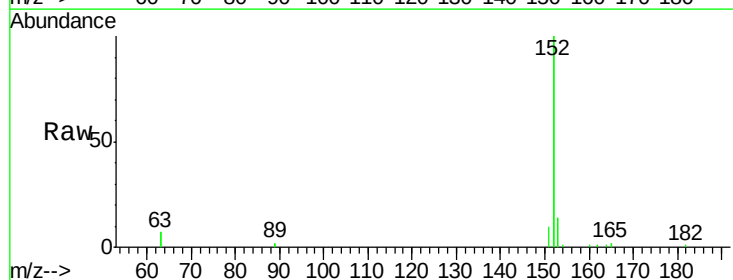
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

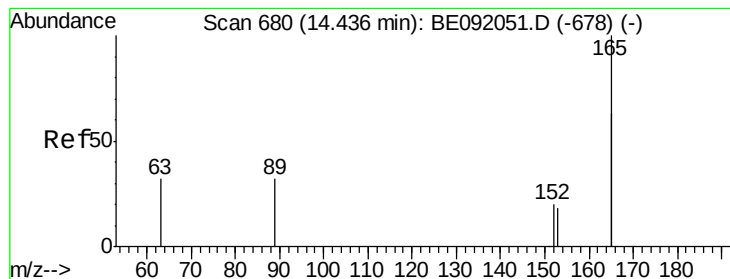
Tgt Ion:172 Resp: 3181
Ion Ratio Lower Upper
172 100
171 33.9 30.3 45.5
170 22.8 21.6 32.4



#18
Acenaphthylene
Concen: 0.37 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE092062.D
Acq: 27 Jul 2016 18:39

Tgt Ion:152 Resp: 20122
Ion Ratio Lower Upper
152 100
151 4.7 4.0 6.0
153 12.3 9.6 14.4





#19

2,6-Dinitrotoluene

Concen: 0.42 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

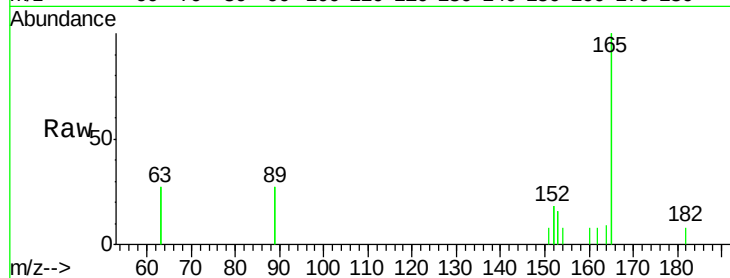
Tgt Ion:165 Resp: 1896

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

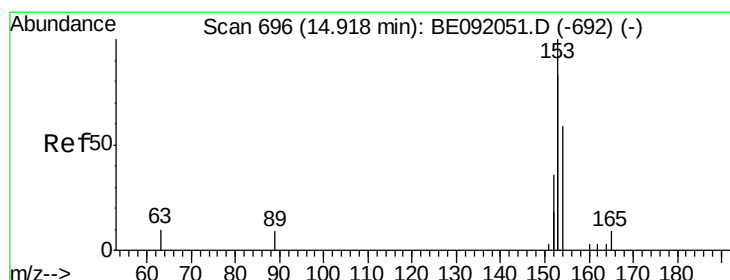
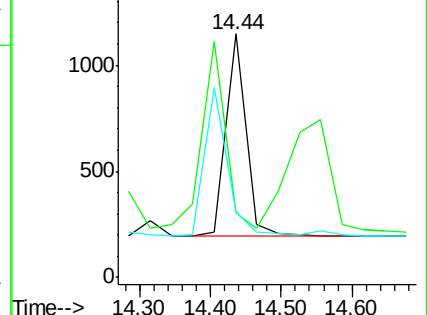
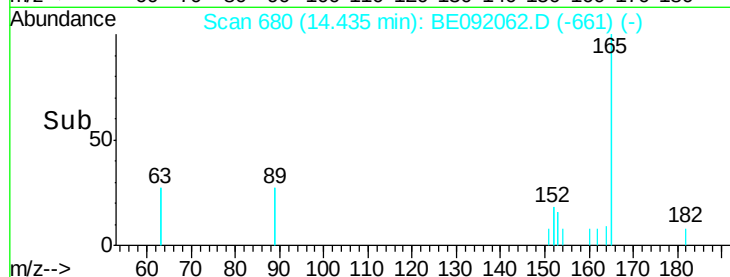
89 0.0 0.0 0.0



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



#20

Acenaphthene

Concen: 0.38 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

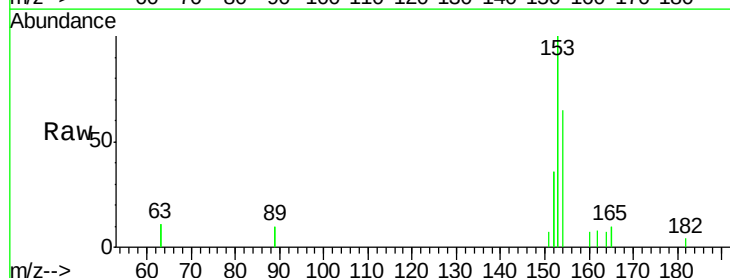
Tgt Ion:154 Resp: 2212

Ion Ratio Lower Upper

154 100

153 0.0 345.1 517.7#

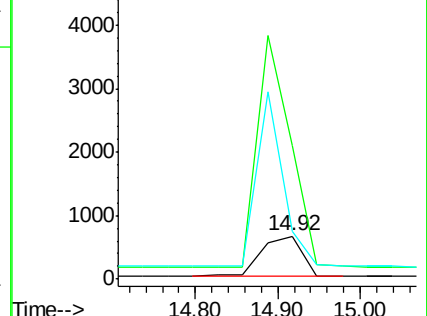
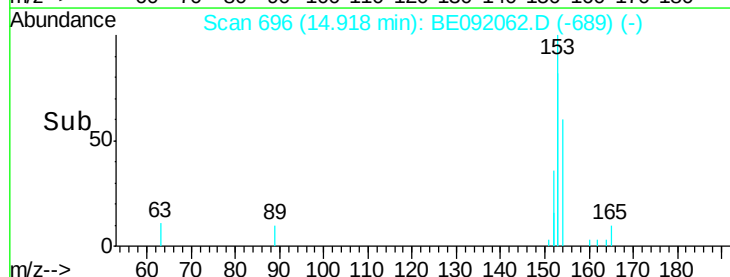
152 0.0 0.0 0.0

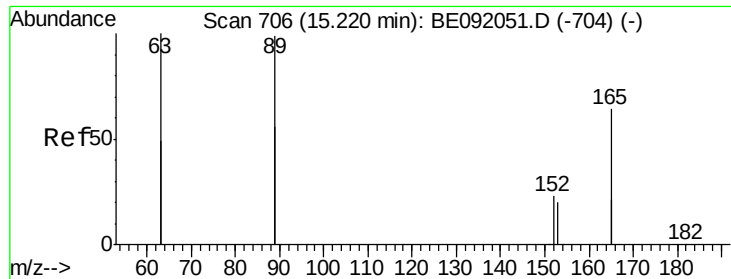


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

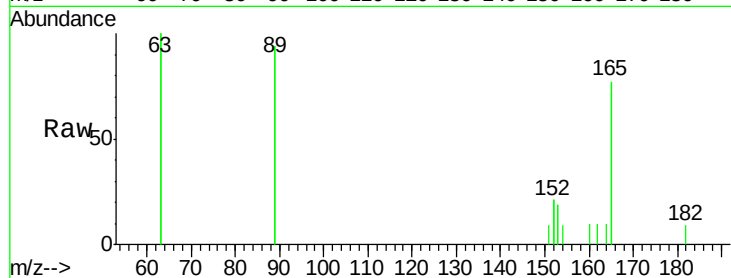




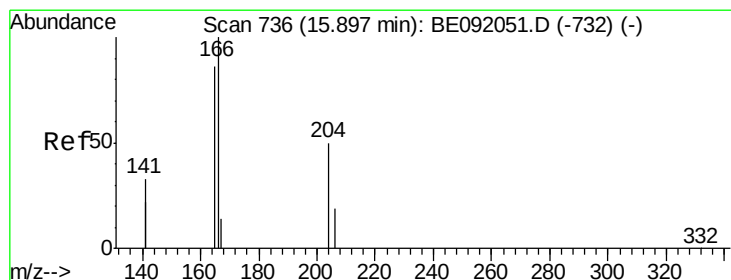
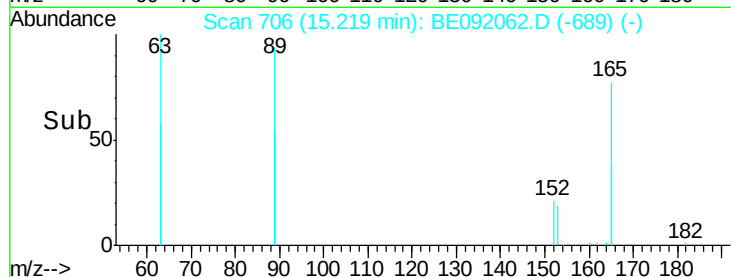
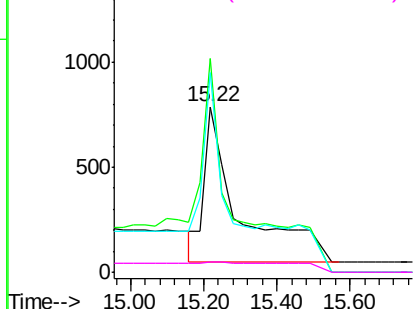
#21
2,4-Dinitrotoluene
Concen: 0.76 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE092062.D
Acq: 27 Jul 2016 18:39

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:165 Resp: 5006
Ion Ratio Lower Upper
165 100
63 145.9 324.0 486.0#
89 41.8 308.4 462.6#
182 0.0 0.0 0.0

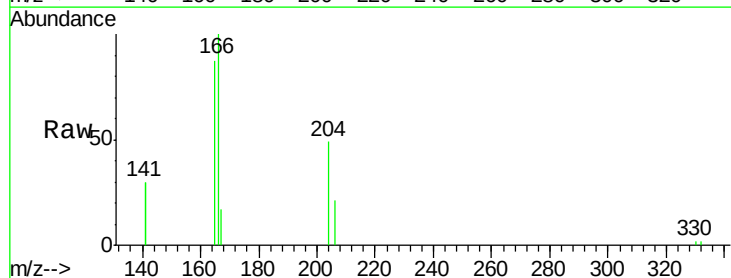


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

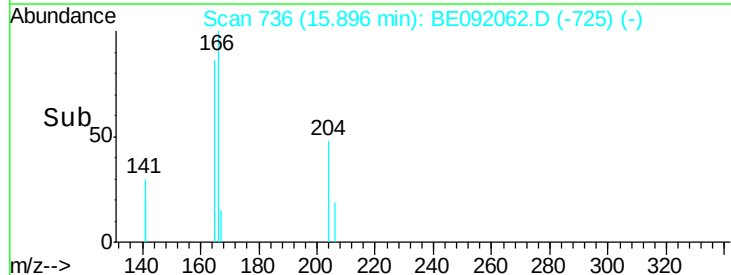
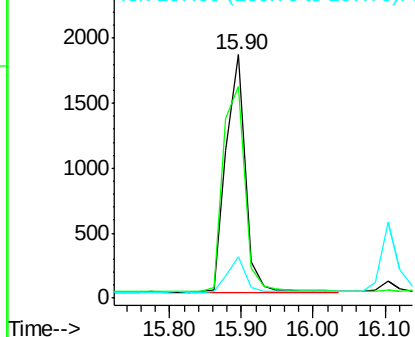


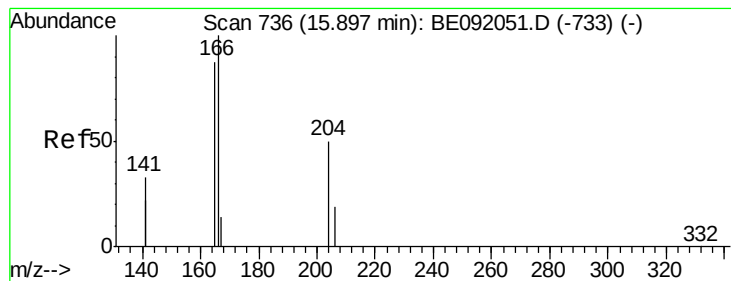
#22
Fluorene
Concen: 0.38 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092062.D
Acq: 27 Jul 2016 18:39

Tgt Ion:166 Resp: 3394
Ion Ratio Lower Upper
166 100
165 99.5 78.6 118.0
167 14.0 11.1 16.7



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: 0.38 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

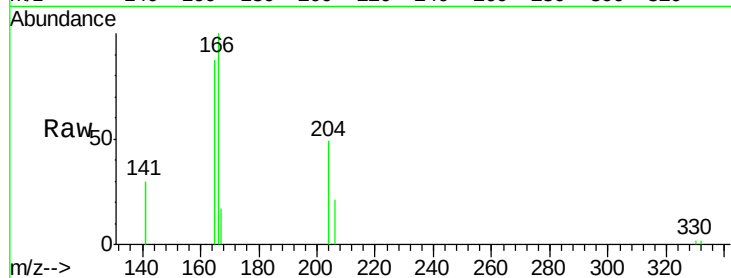
Tgt Ion:204 Resp: 1689

Ion Ratio Lower Upper

204 100

206 34.8 27.0 40.4

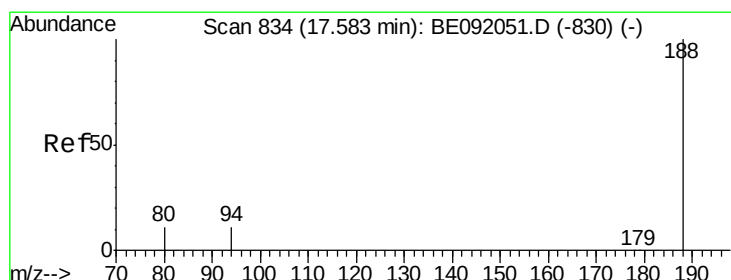
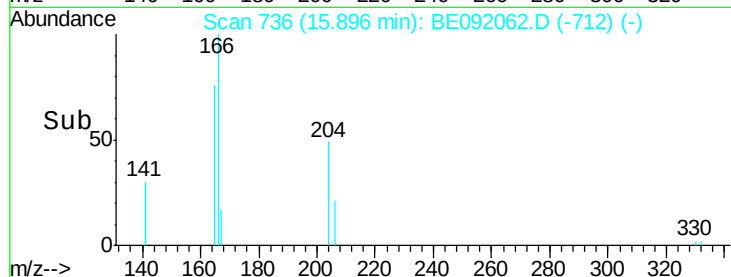
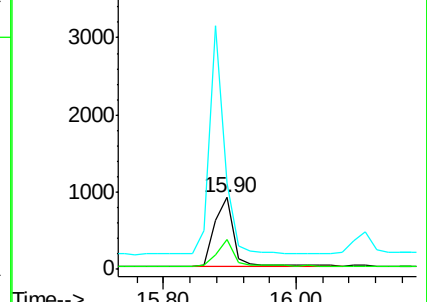
141 270.9 198.5 297.7



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 834

Delta R.T. -0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

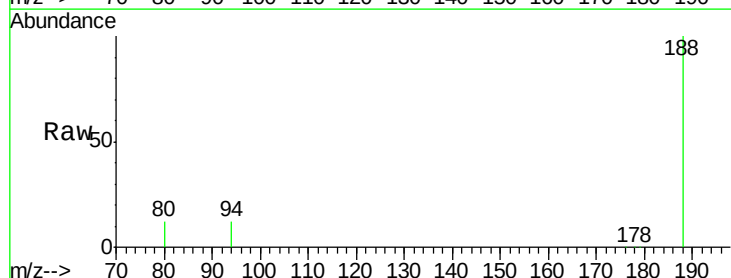
Tgt Ion:188 Resp: 63949

Ion Ratio Lower Upper

188 100

94 11.9 3.9 5.9#

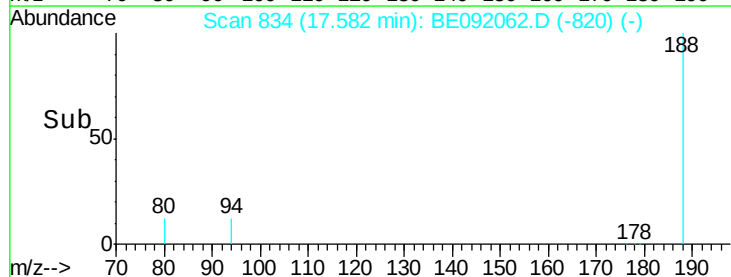
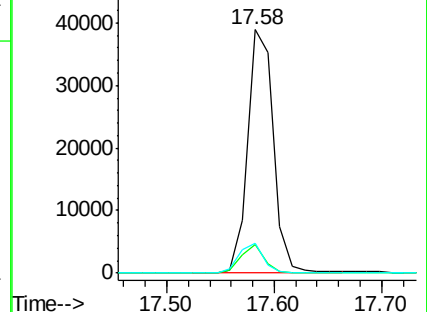
80 12.1 3.4 5.0#

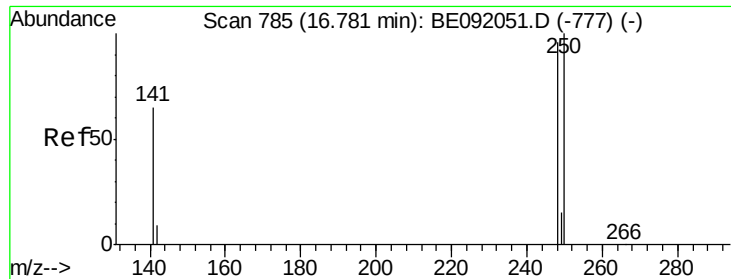


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

4-Bromophenyl-phenylether

Concen: 0.40 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

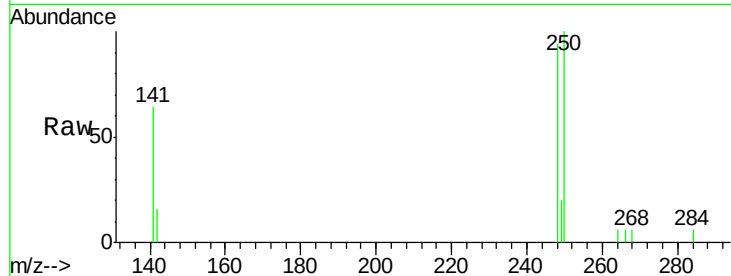
Tgt Ion:248 Resp: 1058

Ion Ratio Lower Upper

248 100

250 96.3 79.6 119.4

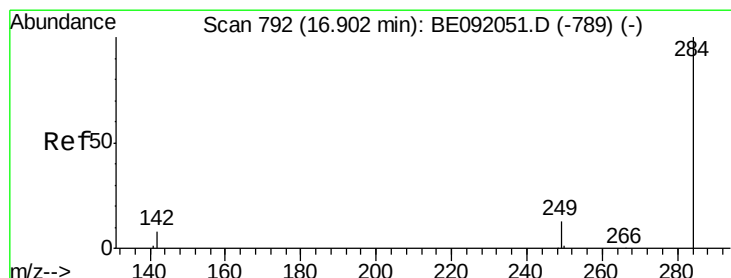
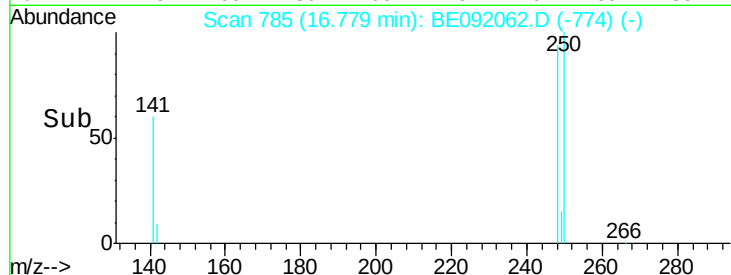
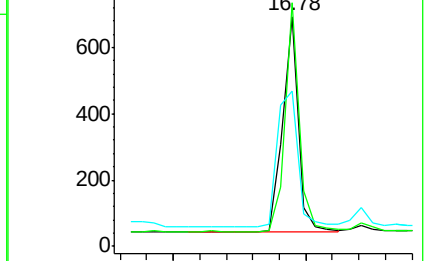
141 85.2 68.7 103.1



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: BE092062.D

Acq: 27 Jul 2016 18:39

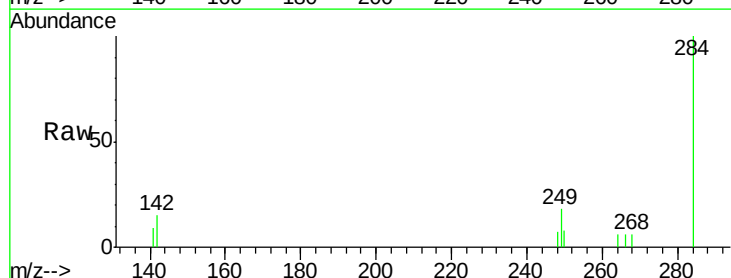
Tgt Ion:284 Resp: 1093

Ion Ratio Lower Upper

284 100

142 42.1 33.3 49.9

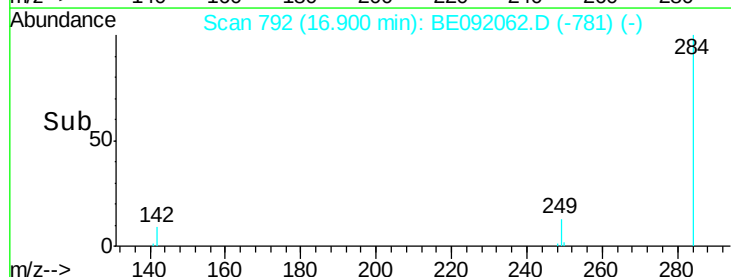
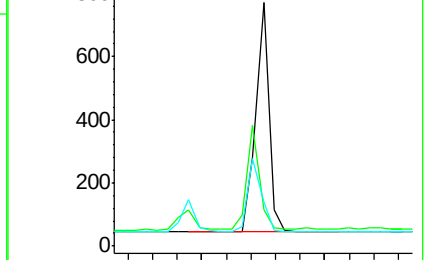
249 32.6 25.4 38.0

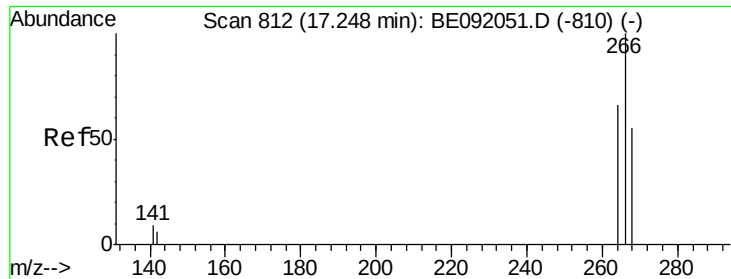


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

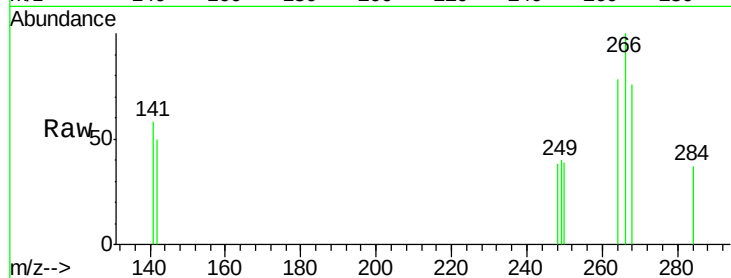




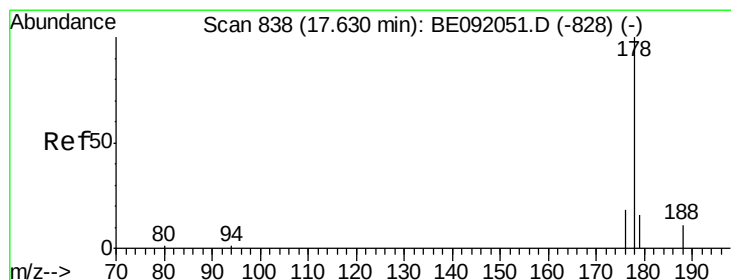
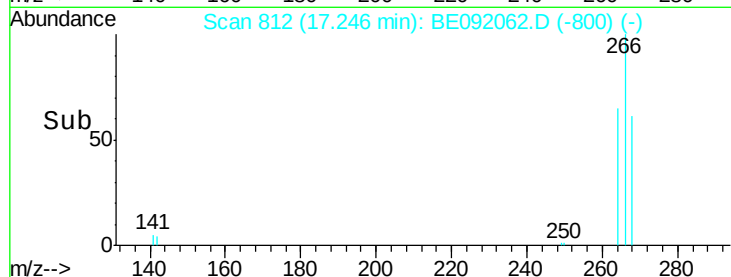
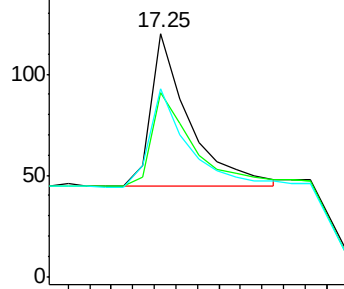
#27
 Pentachlorophenol
 Concen: 0.50 ng
 RT: 17.25 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BE092062.D
 Acq: 27 Jul 2016 18:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4EC

Tgt Ion: 266 Resp: 184
 Ion Ratio Lower Upper
 266 100
 268 75.8 62.7 94.1
 264 77.5 63.5 95.3

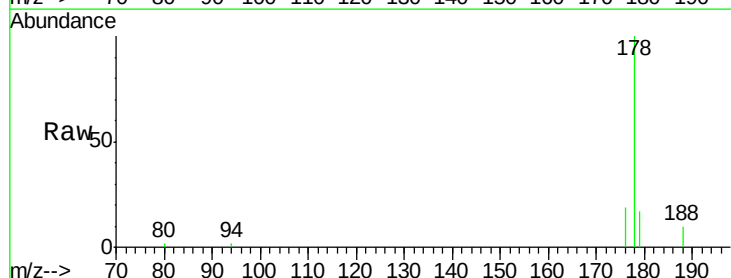


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

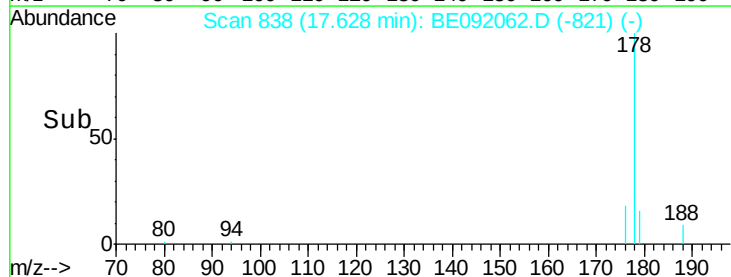
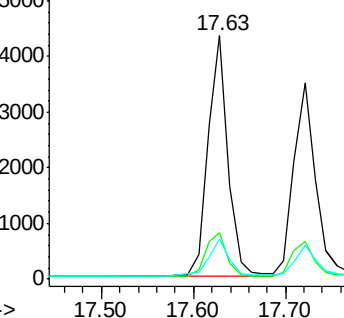


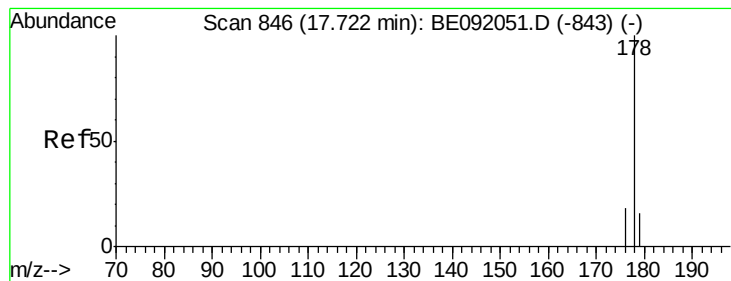
#28
 Phenanthrene
 Concen: 0.41 ng
 RT: 17.63 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BE092062.D
 Acq: 27 Jul 2016 18:39

Tgt Ion: 178 Resp: 6586
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.0
 179 16.1 12.7 19.1



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





#29

Anthracene

Concen: 0.39 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

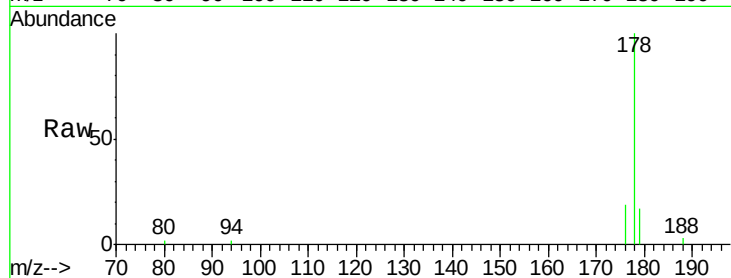
Tgt Ion:178 Resp: 5787

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

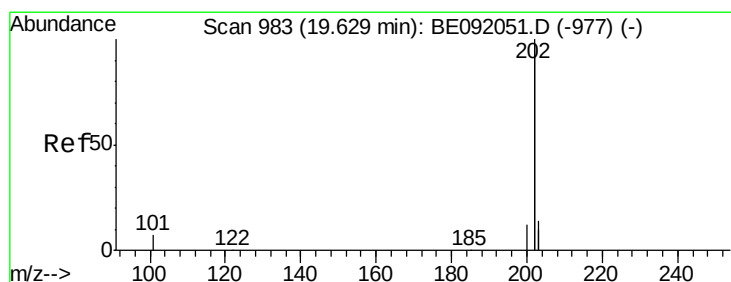
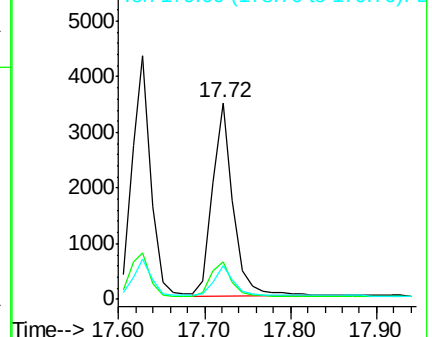
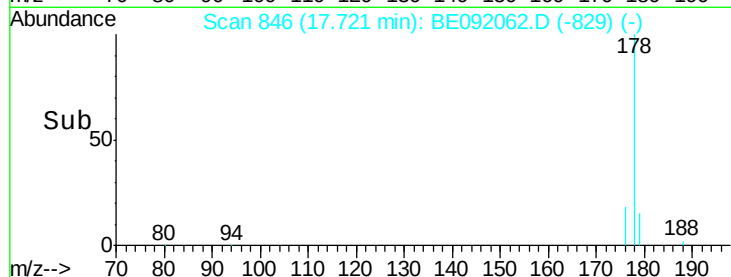
179 14.9 12.2 18.4



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: 0.37 ng

RT: 19.63 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

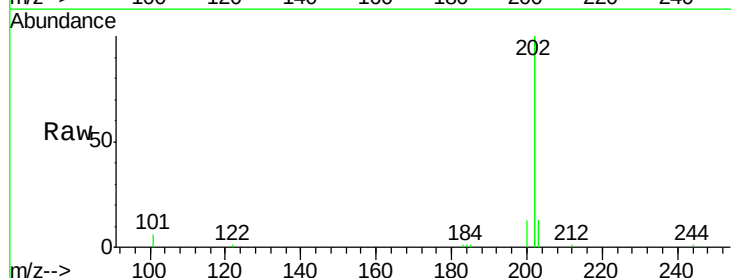
Tgt Ion:202 Resp: 26911

Ion Ratio Lower Upper

202 100

101 2.6 2.2 3.2

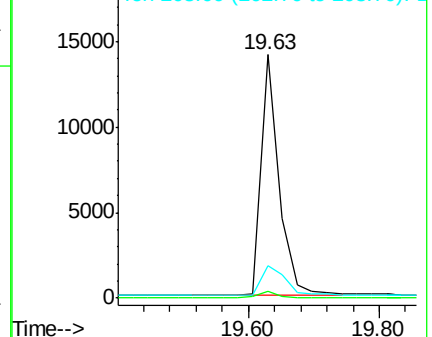
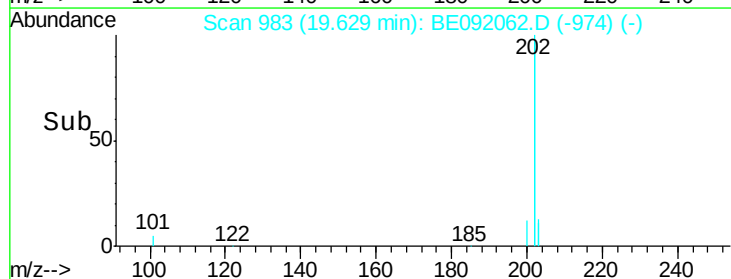
203 15.9 13.0 19.4

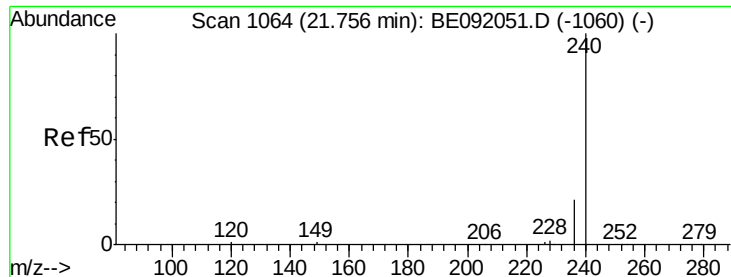


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

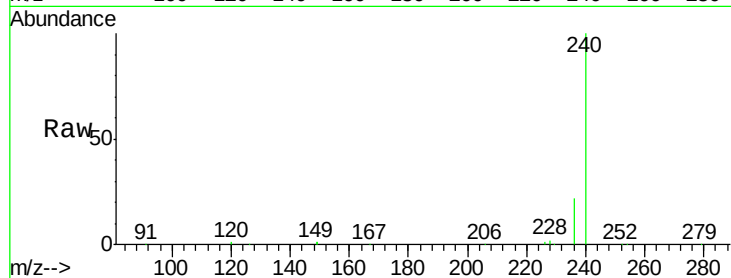
Tgt Ion:240 Resp: 64991

Ion Ratio Lower Upper

240 100

120 0.8 0.6 1.0

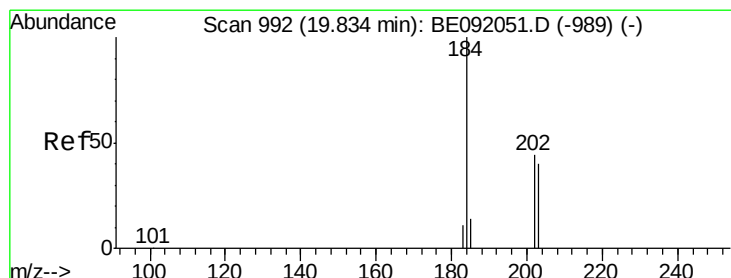
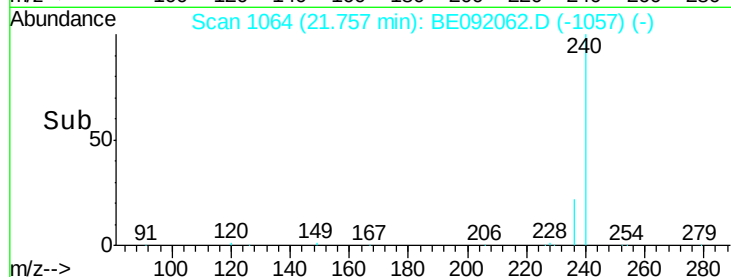
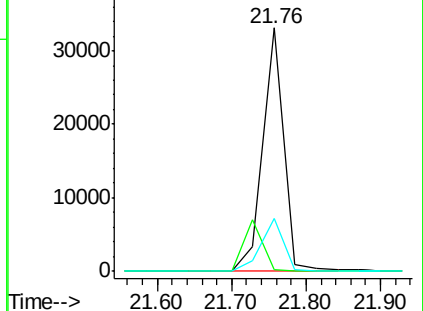
236 21.8 18.2 27.4



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: 0.35 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

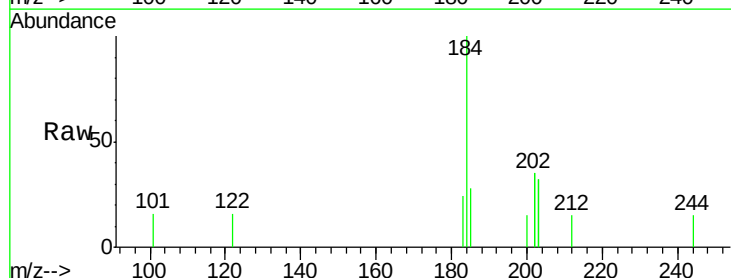
Tgt Ion:184 Resp: 853

Ion Ratio Lower Upper

184 100

185 27.8 23.8 35.6

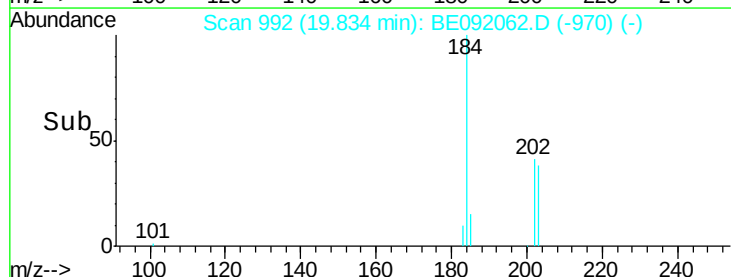
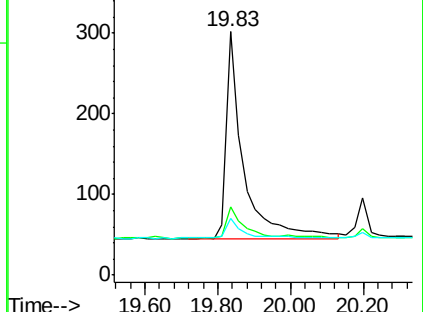
183 23.5 20.7 31.1

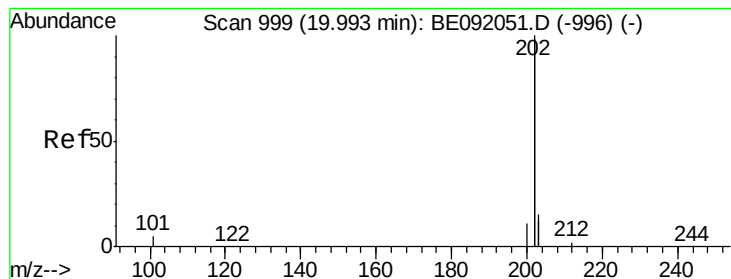


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 0.37 ng

RT: 19.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

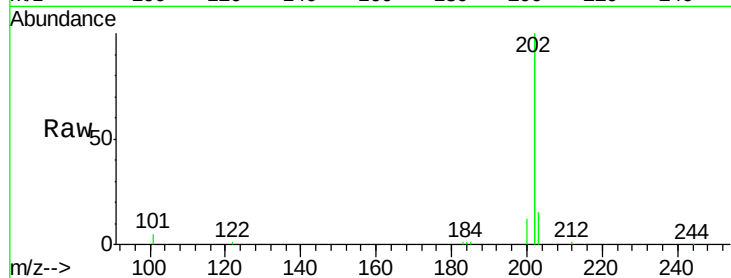
Tgt Ion:202 Resp: 30582

Ion Ratio Lower Upper

202 100

200 5.4 4.4 6.6

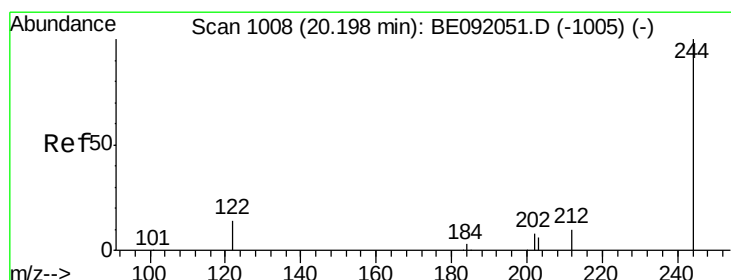
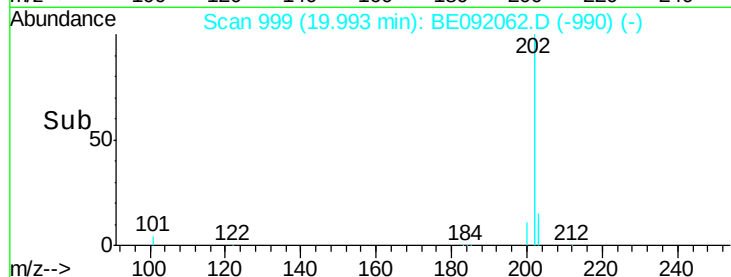
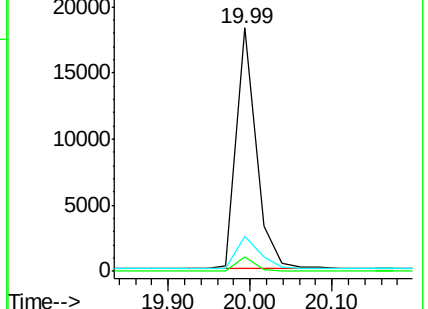
203 16.1 13.4 20.0



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: 0.32 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

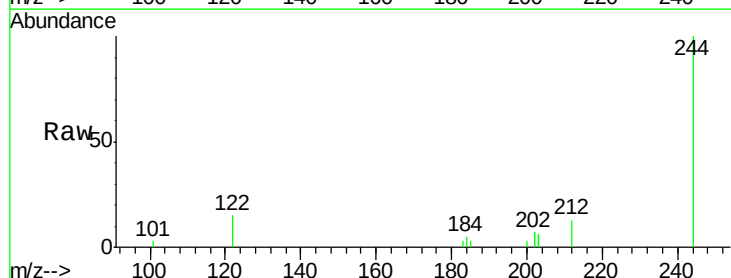
Tgt Ion:244 Resp: 3921

Ion Ratio Lower Upper

244 100

212 12.6 9.1 13.7

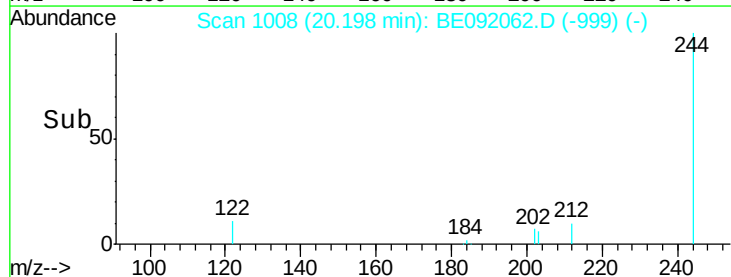
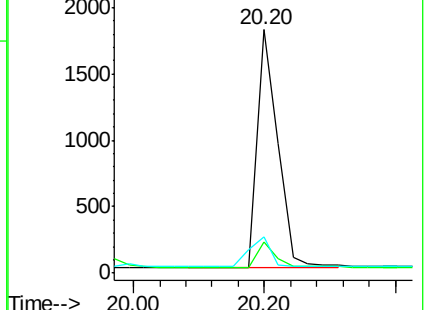
122 14.9 11.0 16.4

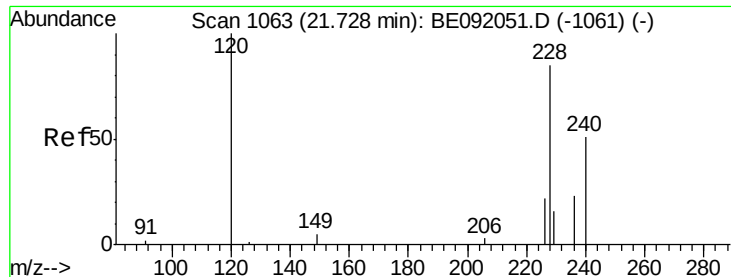


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.81 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

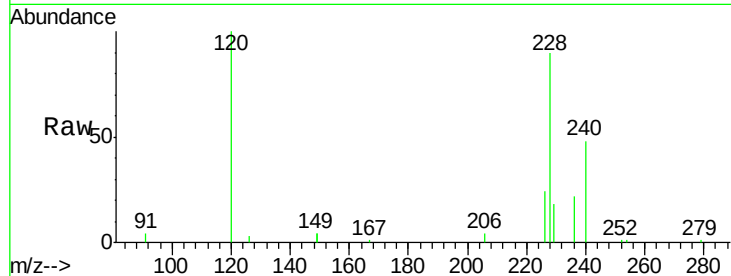
Tgt Ion:228 Resp: 22488

Ion Ratio Lower Upper

228 100

226 26.4 22.1 33.1

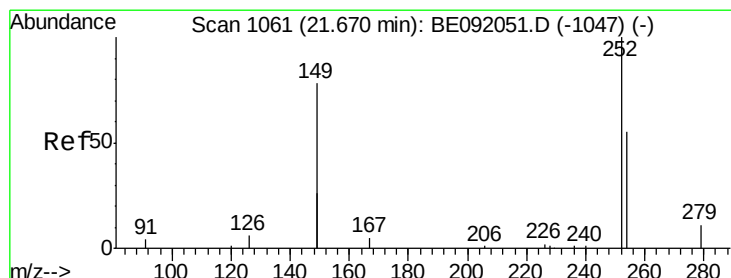
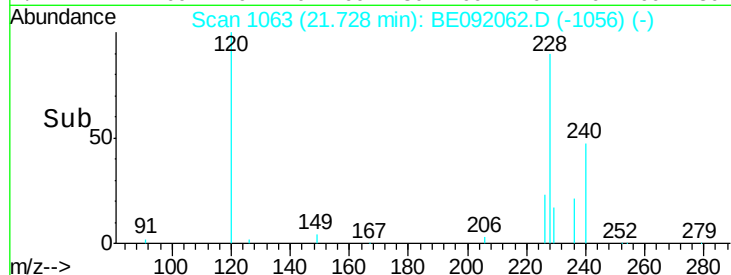
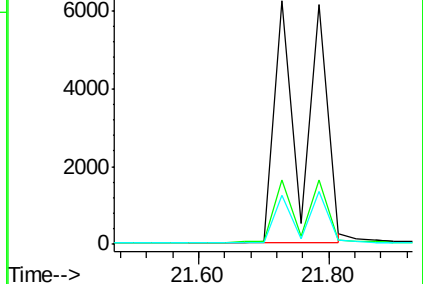
229 19.9 15.1 22.7



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: 0.43 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

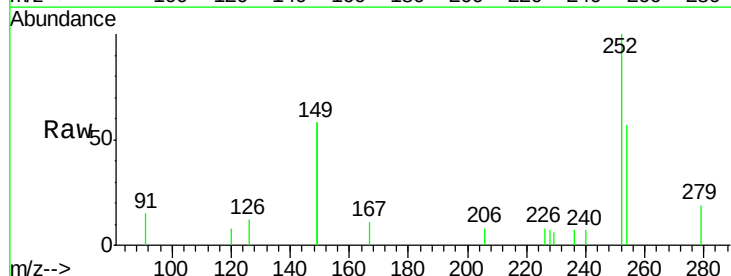
Tgt Ion:252 Resp: 1545

Ion Ratio Lower Upper

252 100

254 56.6 44.2 66.2

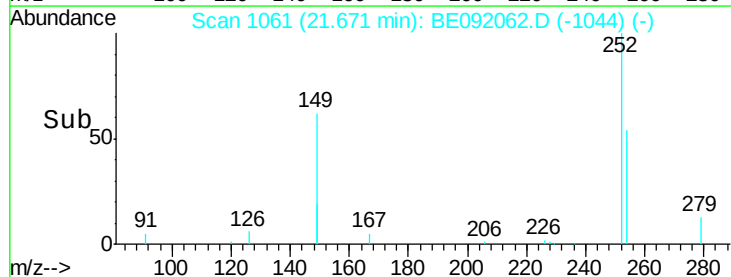
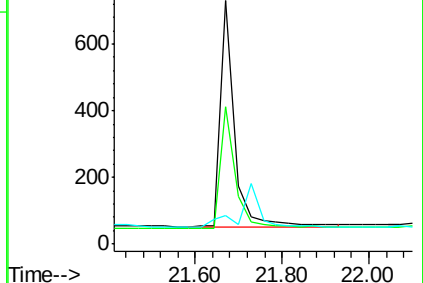
126 11.8 10.6 15.8

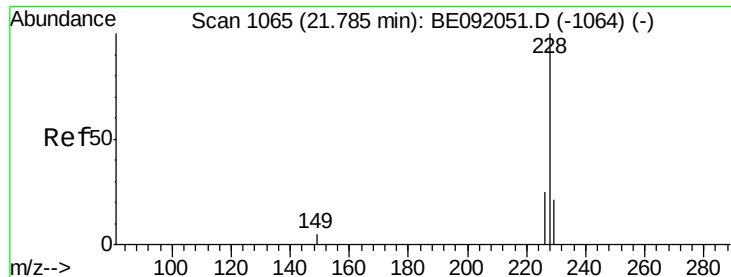


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.99 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

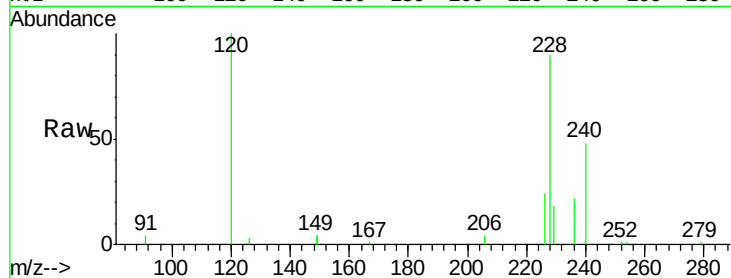
Tgt Ion:228 Resp: 22732

Ion Ratio Lower Upper

228 100

226 26.4 22.3 33.5

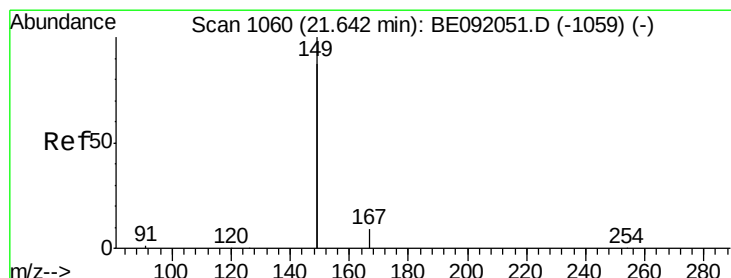
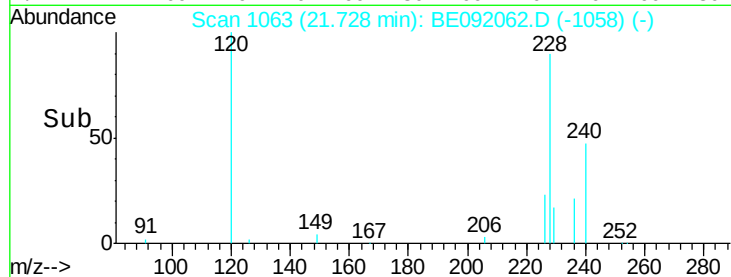
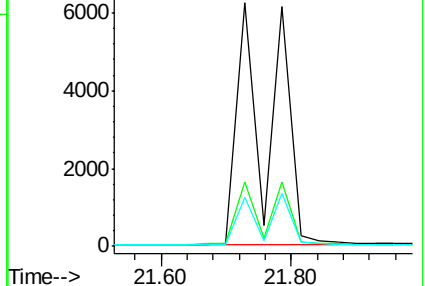
229 19.9 16.9 25.3



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: 0.45 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

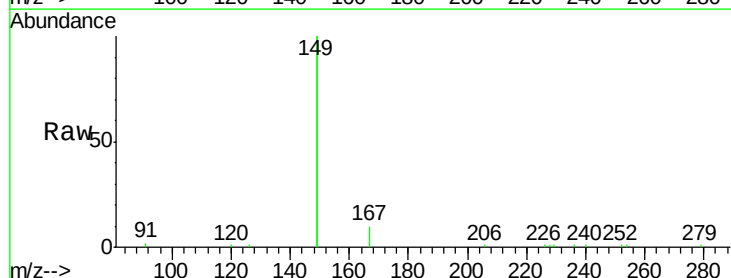
Tgt Ion:149 Resp: 24253

Ion Ratio Lower Upper

149 100

167 4.8 3.8 5.6

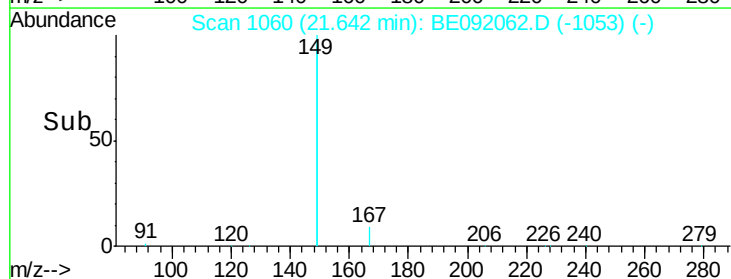
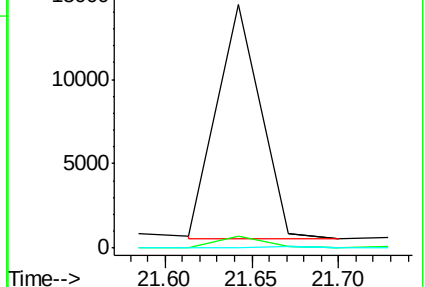
279 0.0 0.0 0.0

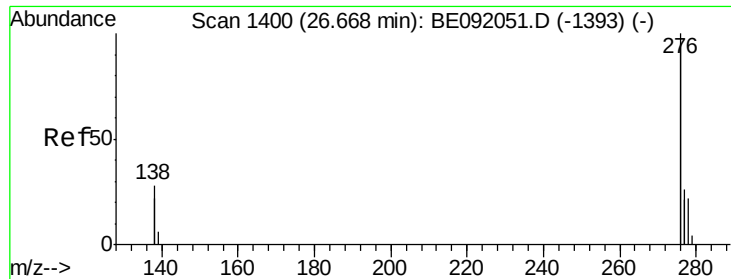


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.36 ng

RT: 26.67 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

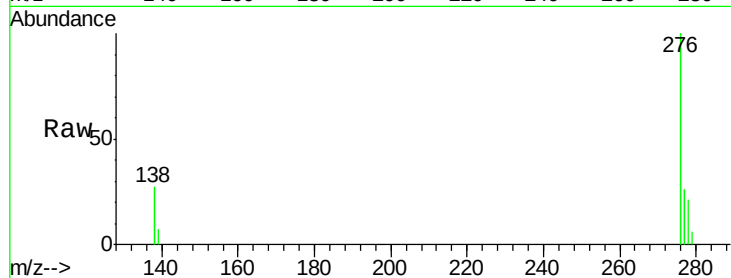
Tgt Ion: 276 Resp: 27298

Ion Ratio Lower Upper

276 100

138 26.7 21.2 31.8

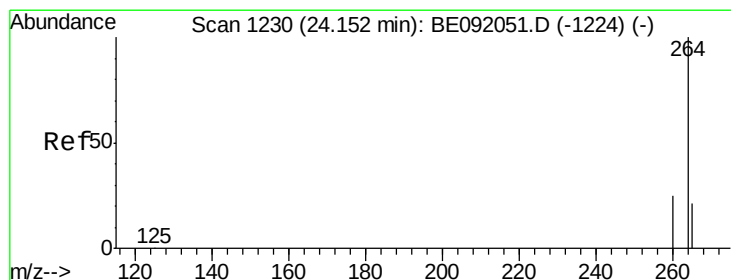
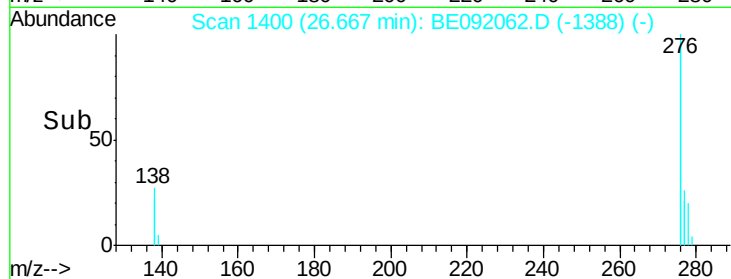
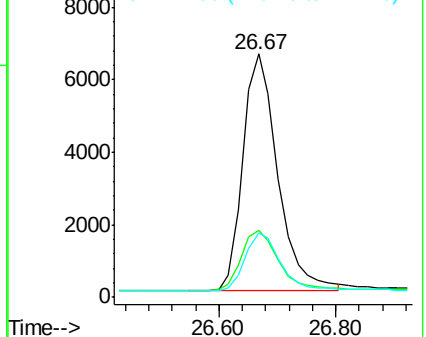
277 24.5 19.8 29.8



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: 24.15 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

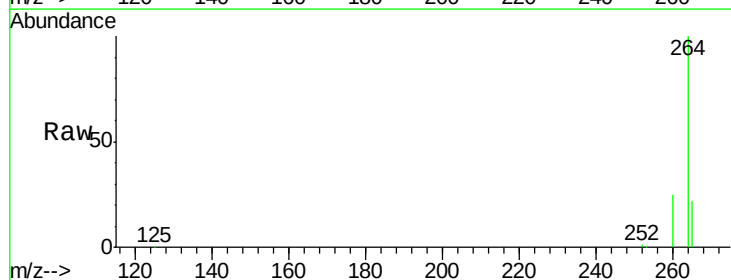
Tgt Ion: 264 Resp: 66016

Ion Ratio Lower Upper

264 100

260 25.5 20.8 31.2

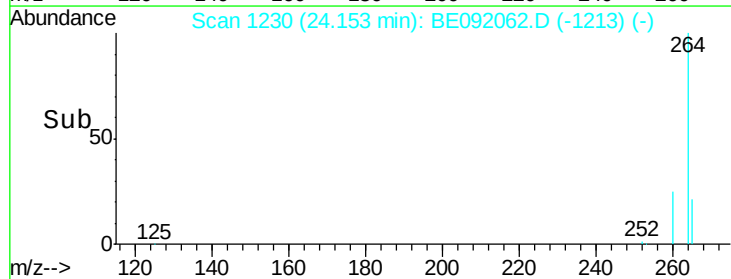
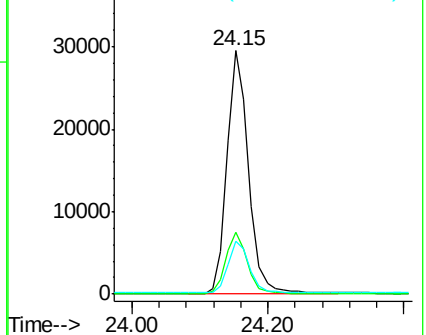
265 21.8 16.6 25.0

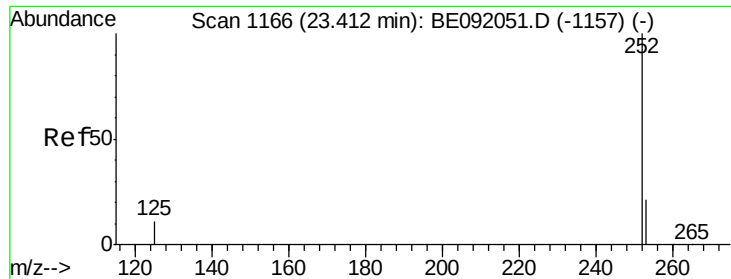


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 0.43 ng

RT: 23.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

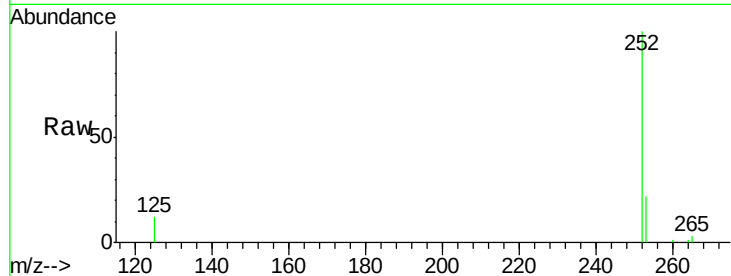
Tgt Ion:252 Resp: 8415

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

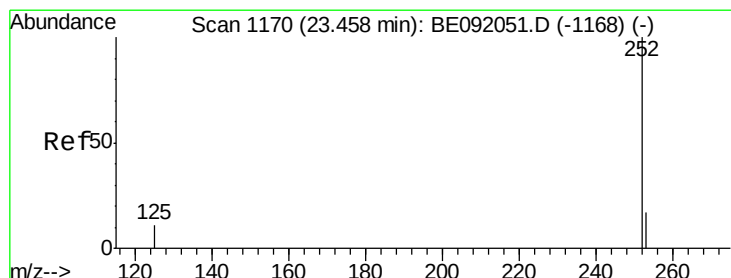
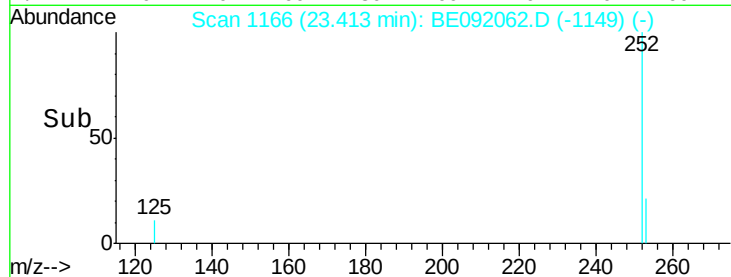
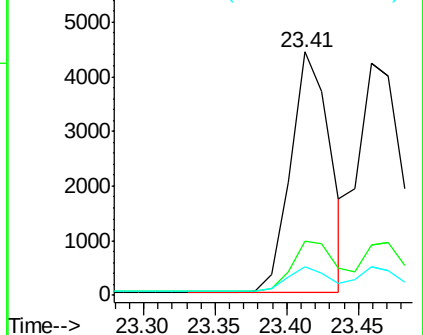
125 11.9 10.2 15.2



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: 0.47 ng

RT: 23.46 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

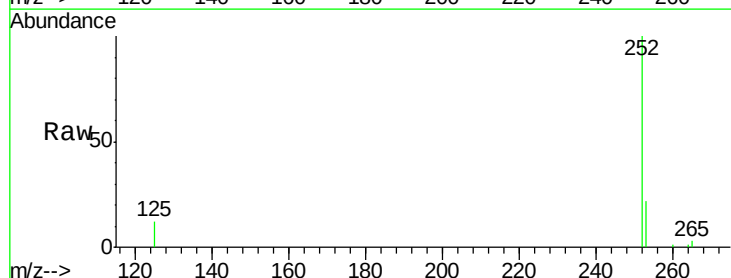
Tgt Ion:252 Resp: 9195

Ion Ratio Lower Upper

252 100

253 21.9 19.4 29.0

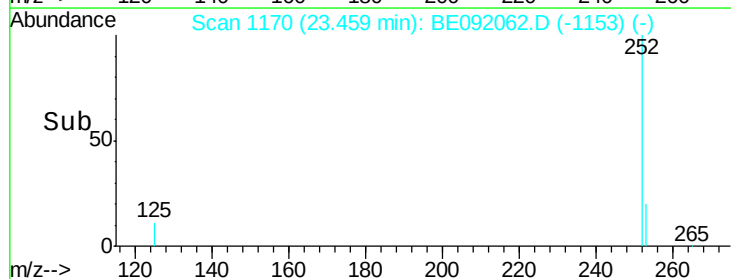
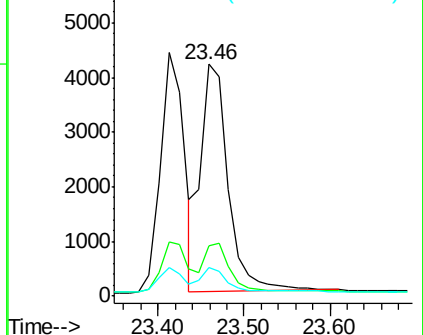
125 12.1 8.9 13.3

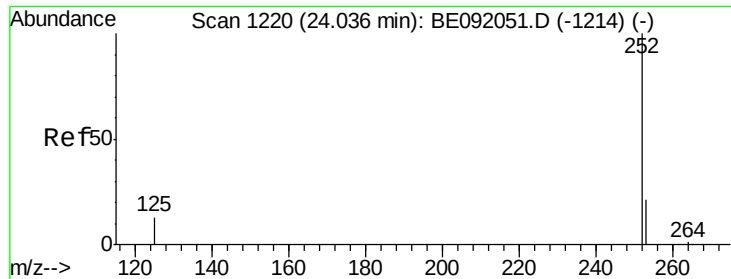


Abundance Ion 252.00 (251.70 to 252.70): E

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. 0.01 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

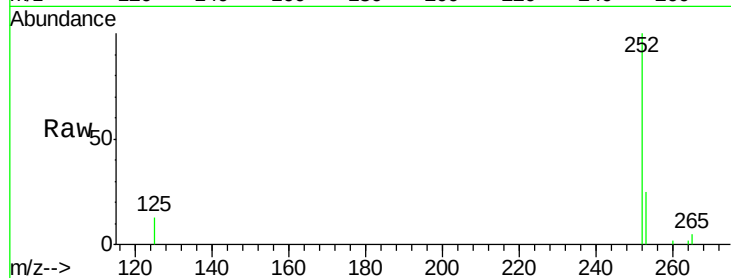
Tgt Ion: 252 Resp: 6769

Ion Ratio Lower Upper

252 100

253 24.9 19.8 29.8

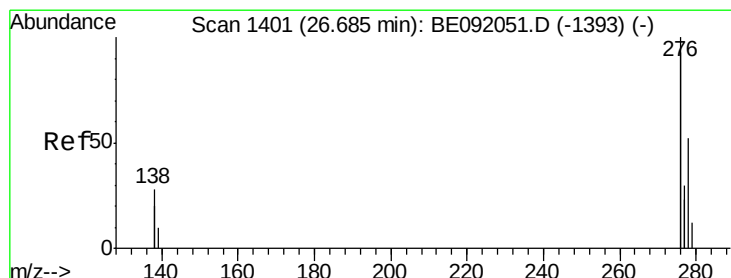
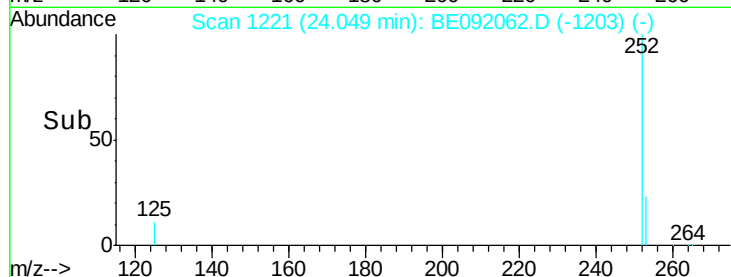
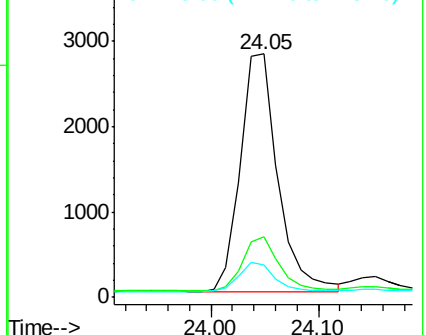
125 13.2 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.37 ng

RT: 26.70 min Scan# 1402

Delta R.T. 0.02 min

Lab File: BE092062.D

Acq: 27 Jul 2016 18:39

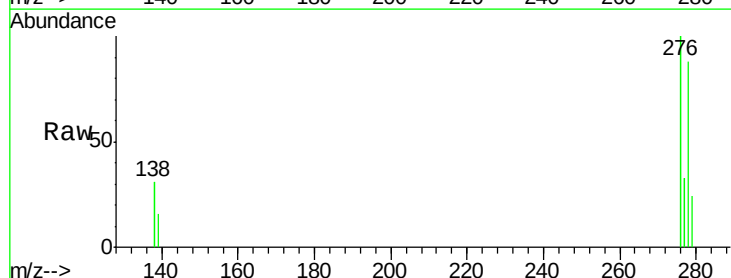
Tgt Ion: 278 Resp: 5457

Ion Ratio Lower Upper

278 100

139 17.7 16.7 25.1

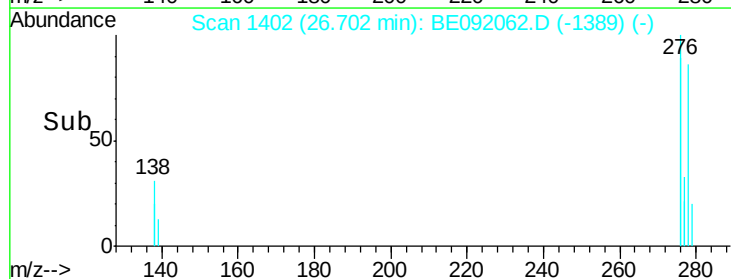
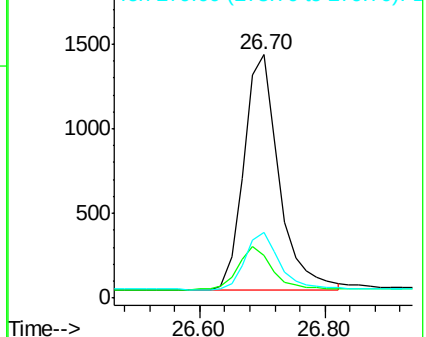
279 26.8 20.3 30.5

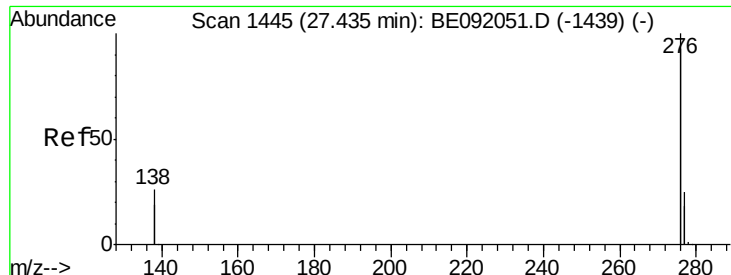


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.38 ng

RT: 27.45 min Scan# 1446

Delta R.T. 0.02 min

Lab File: BE092062.D

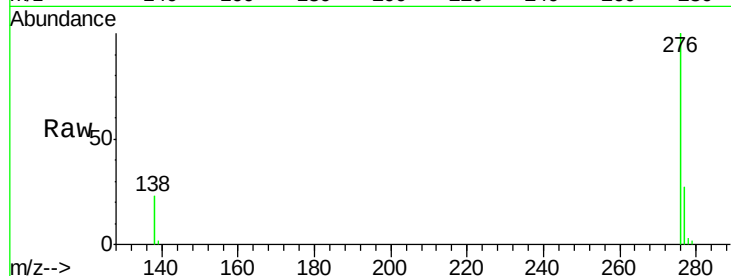
Acq: 27 Jul 2016 18:39

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



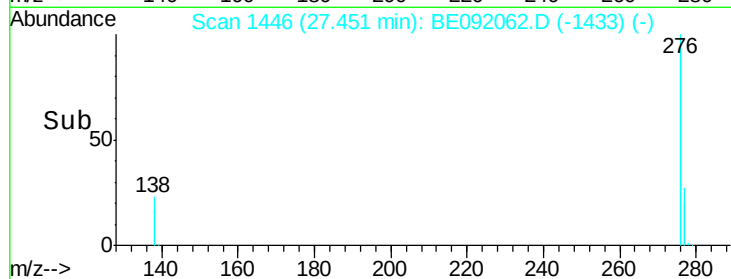
Tgt Ion: 276 Resp: 23077

Ion Ratio Lower Upper

276 100

277 26.6 19.5 29.3

138 23.4 20.8 31.2



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

