

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092016.D
 Acq On : 22 Jul 2016 21:24
 Operator : UM/SJ
 Sample : H4120-07MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.OMS

Quant Time: Jul 23 01:32:56 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	23903	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	117501	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	76488	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	164849	5.00	ng	0.00
31) Chrysene-d12	21.76	240	254644	5.00	ng	0.00
40) Perylene-d12	24.16	264	190095	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	27377	5.91	ng	0.00
5) Phenol-d6	7.35	99	26618	3.30	ng	-0.02
9) Nitrobenzene-d5	9.37	82	32764	4.63	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	18717	7.07	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	75193	3.74	ng	-0.01
34) Terphenyl-d14	20.20	244	127704	4.99	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	6709	2.08	ng	# 77
3) n-Nitrosodimethylamine	3.80	42	11453	2.65	ng	# 84
6) bis(2-Chloroethyl)ether	7.61	93	29049	4.23	ng	95
7) n-Nitroso-di-n-propylamine	9.00	70	26672	4.55	ng	# 98
10) Nitrobenzene	9.40	77	36208	3.81	ng	# 98
11) bis(2-Chloroethoxy)methane	10.40	93	42189	4.77	ng	# 17
12) Naphthalene	11.04	128	98649	3.70	ng	98
13) Hexachlorobutadiene	11.34	225	11715	3.07	ng	98
14) 2-Methylnaphthalene	12.66	142	66253	3.96	ng	99
18) Acenaphthylene	14.56	152	494434	4.20	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	93000	4.22	ng	# 10
20) Acenaphthene	14.92	154	78891	3.96	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	134760	4.35	ng	# 1
22) Fluorene	15.90	166	99175	4.17	ng	98
23) 4-Chlorophenyl-phenylether	15.90	204	43874	3.71	ng	97
25) 4-Bromophenyl-phenylether	16.78	248	27968	4.07	ng	96
26) Hexachlorobenzene	16.90	284	27519	3.89	ng	99
27) Pentachlorophenol	17.25	266	30971	7.82	ng	92
28) Phenanthrene	17.63	178	174182	4.09	ng	100
29) Anthracene	17.72	178	168415	4.36	ng	100
30) Fluoranthene	19.63	202	828035	4.86	ng	# 67
32) Benzidine	19.90	184	89	0.19	ng	# 1
33) Pyrene	19.99	202	943229	5.11	ng	# 81
35) Benzo(a)anthracene	21.78	228	588865	10.26	ng	97
36) 3,3'-Dichlorobenzidine	21.67	252	25194	2.25	ng	# 74
37) Chrysene	21.78	228	592686	8.48	ng	92
38) Bis(2-ethylhexyl)phthalate	21.64	149	529967	10.56	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	923729	4.81	ng	98
41) Benzo(b)fluoranthene	23.42	252	235340	4.72	ng	97
42) Benzo(k)fluoranthene	23.47	252	210167	4.14	ng	96
43) Benzo(a)pyrene	24.05	252	204859	4.41	ng	96
44) Dibenzo(a,h)anthracene	26.70	278	191480	4.62	ng	97
45) Benzo(g,h,i)perylene	27.45	276	774042	4.56	ng	98

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
Data File : BE092016.D
Acq On : 22 Jul 2016 21:24
Operator : UM/SJ
Sample : H4120-07MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0MS

Quant Time: Jul 23 01:32:56 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

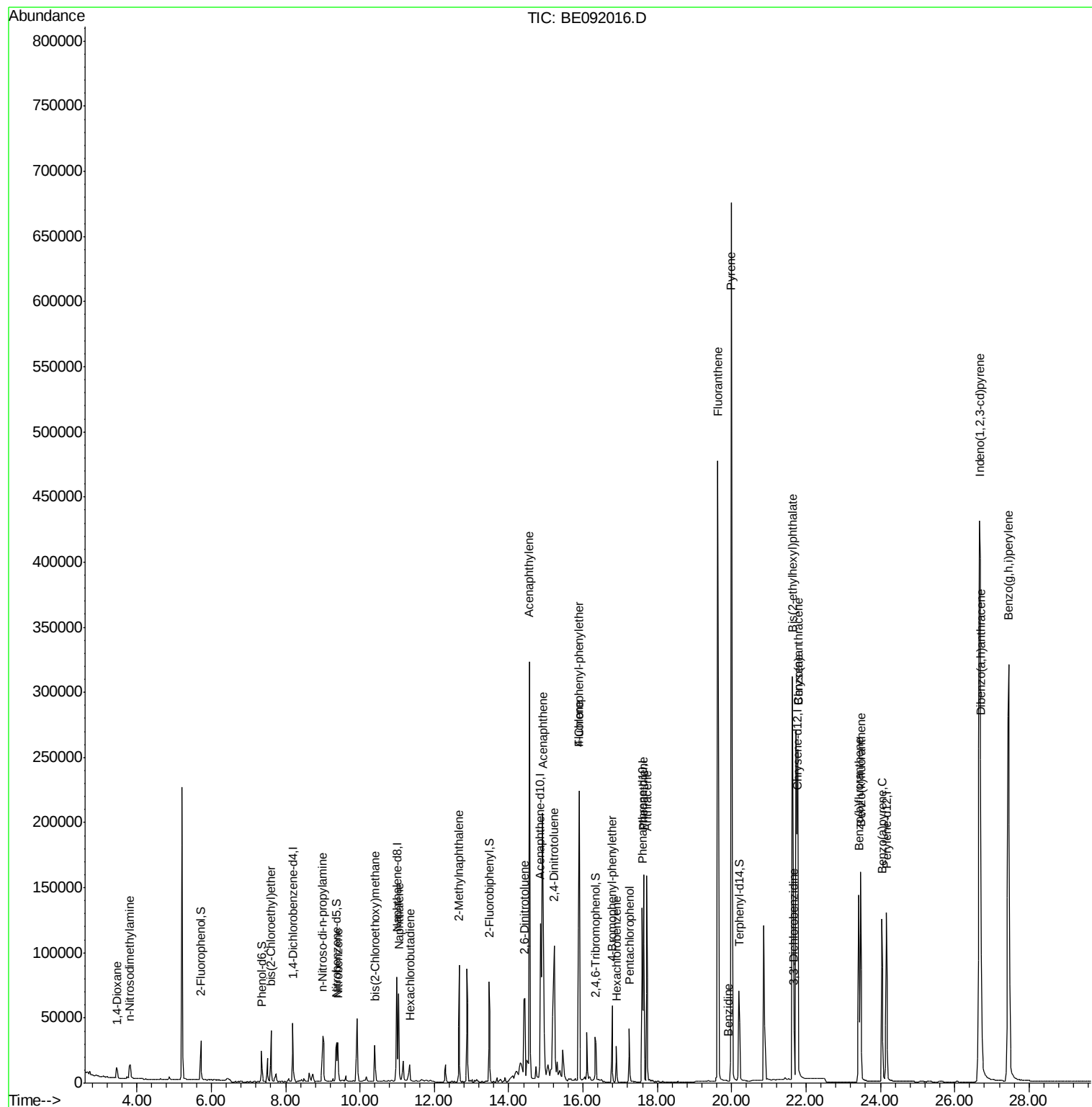
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

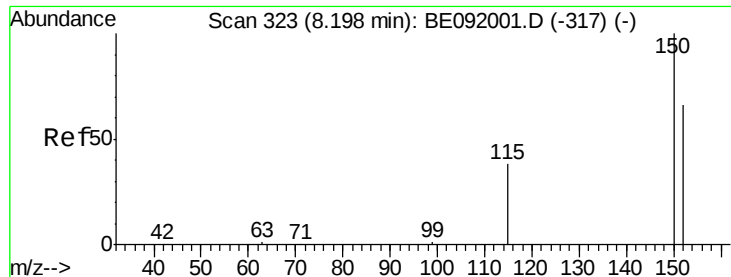
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
Data File : BE092016.D
Acq On : 22 Jul 2016 21:24
Operator : UM/SJ
Sample : H4120-07MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0MS

Quant Time: Jul 23 01:32:56 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

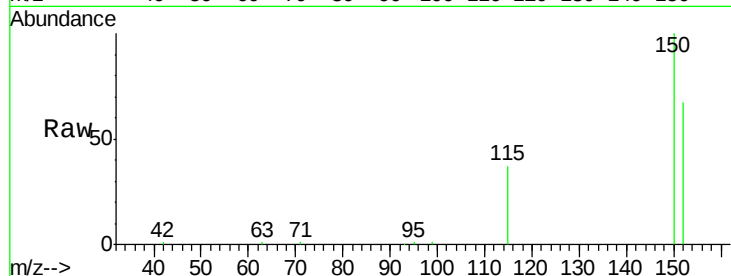
Tgt Ion:152 Resp: 23903

Ion Ratio Lower Upper

152 100

150 148.3 123.9 185.9

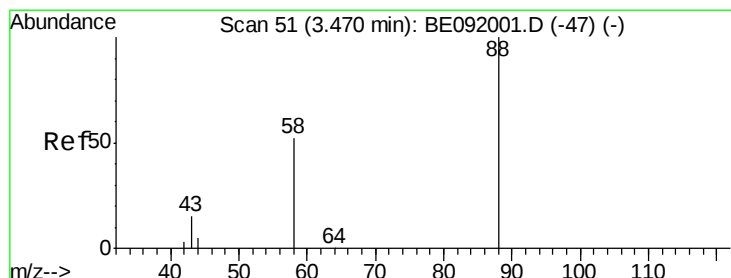
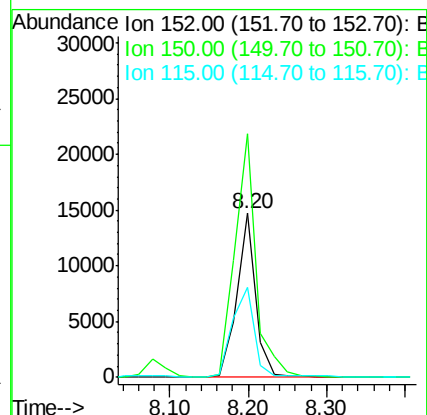
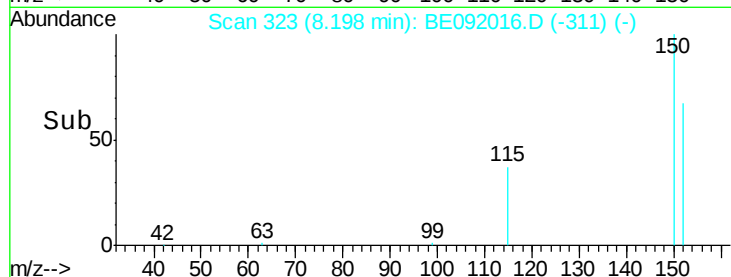
115 55.0 48.3 72.5



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: 2.08 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

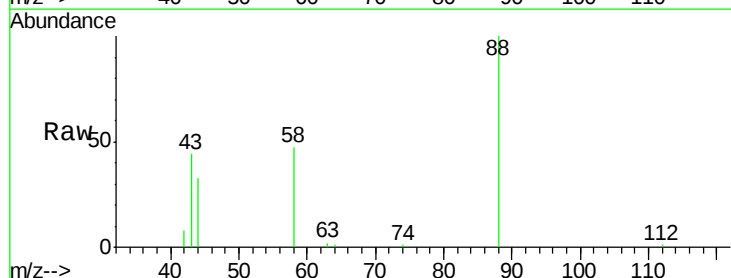
Tgt Ion: 88 Resp: 6709

Ion Ratio Lower Upper

88 100

58 97.8 63.0 94.4#

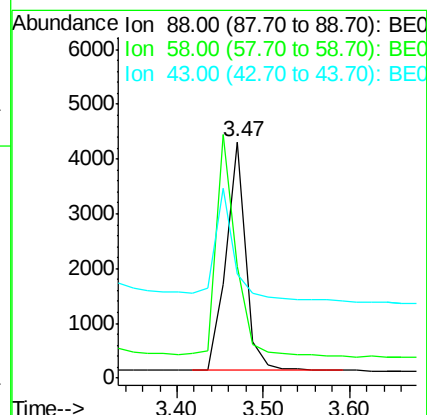
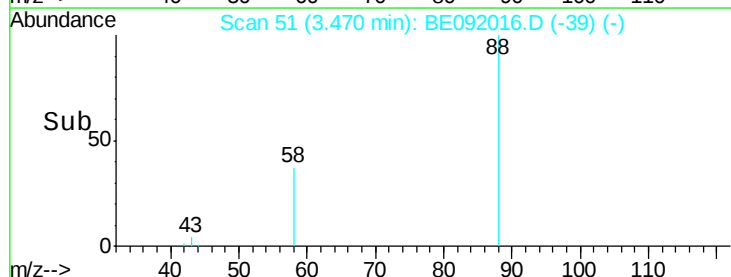
43 50.7 29.1 43.7#

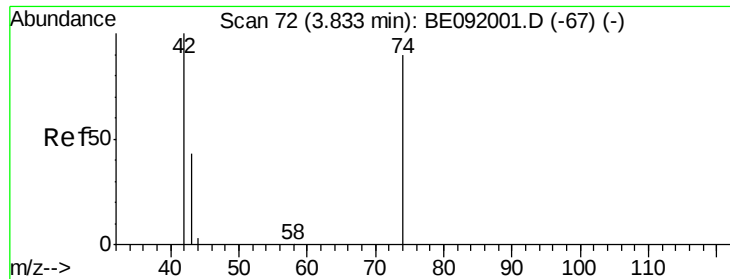


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 2.65 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.03 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

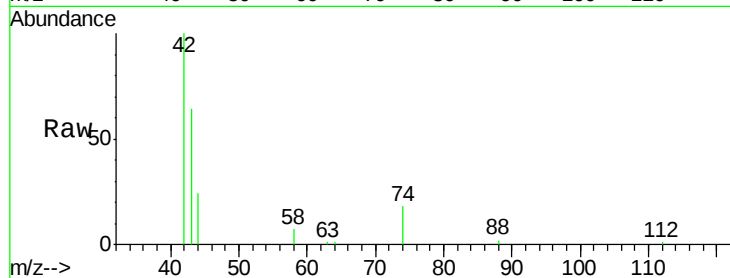
Tgt Ion: 42 Resp: 11453

Ion Ratio Lower Upper

42 100

74 98.7 93.4 140.0

44 8.7 5.0 7.6#



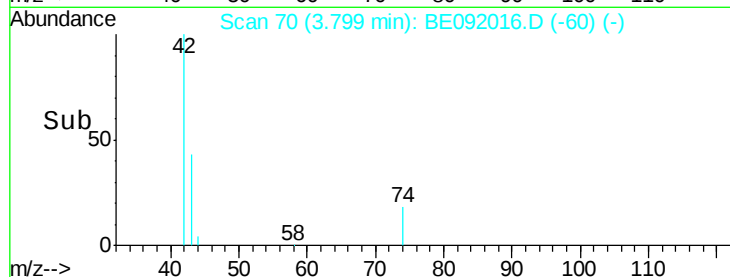
Abundance Ion 42.00 (41.70 to 42.70): BE092001.D (-67) (-)

Ion 74.00 (73.70 to 74.70): BE092001.D (-67) (-)

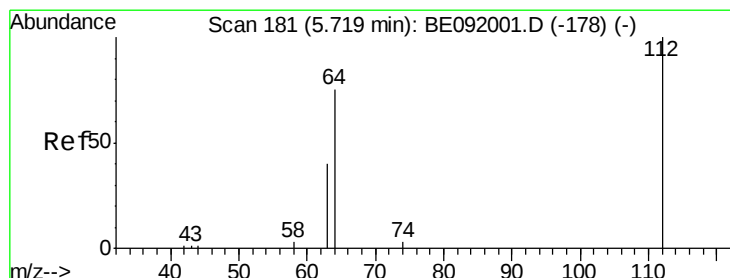
Ion 44.00 (43.70 to 44.70): BE092001.D (-67) (-)

3.80

Time-->



Time-->



#4

2-Fluorophenol

Concen: 5.91 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

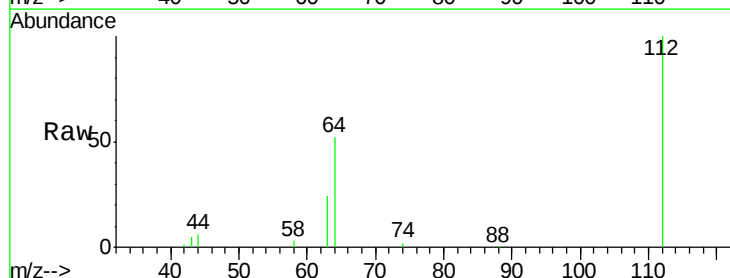
Tgt Ion: 112 Resp: 27377

Ion Ratio Lower Upper

112 100

64 67.0 53.7 80.5

63 36.4 29.5 44.3



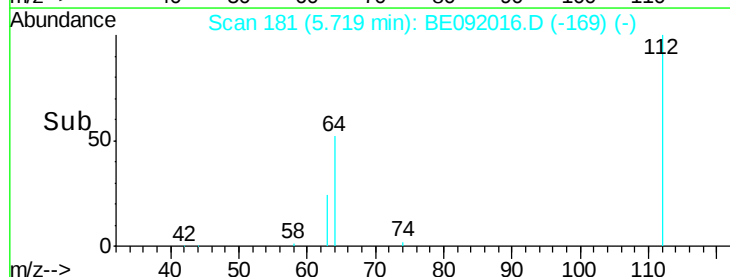
Abundance Ion 112.00 (111.70 to 112.70): BE092001.D (-178) (-)

Ion 64.00 (63.70 to 64.70): BE092001.D (-178) (-)

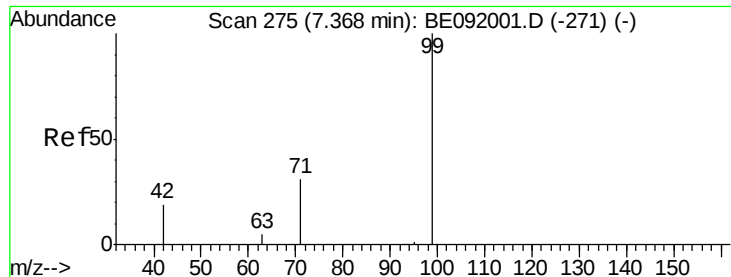
Ion 63.00 (62.70 to 63.70): BE092001.D (-178) (-)

5.72

Time-->



Time-->



#5

Phenol-d6

Concen: 3.30 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

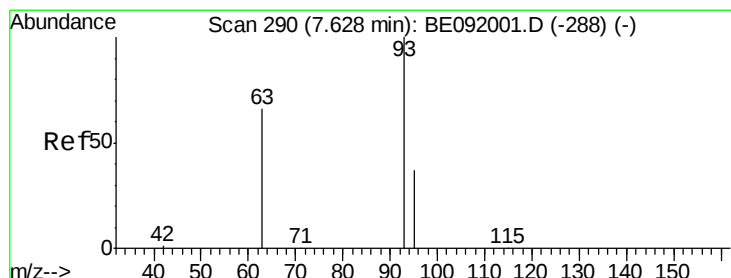
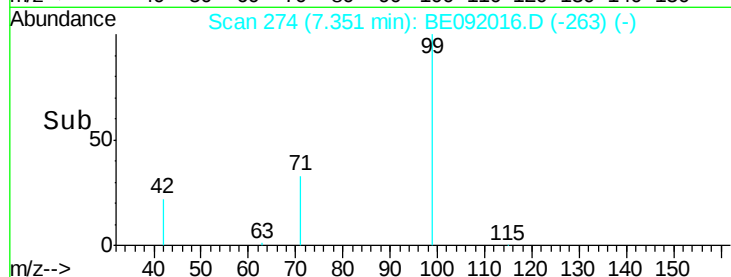
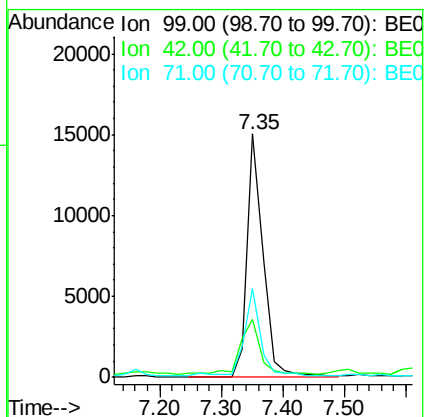
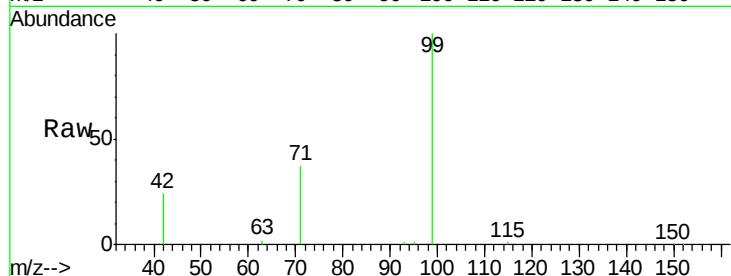
Tgt Ion: 99 Resp: 26618

Ion Ratio Lower Upper

99 100

42 27.0 19.6 29.4

71 36.5 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 4.23 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

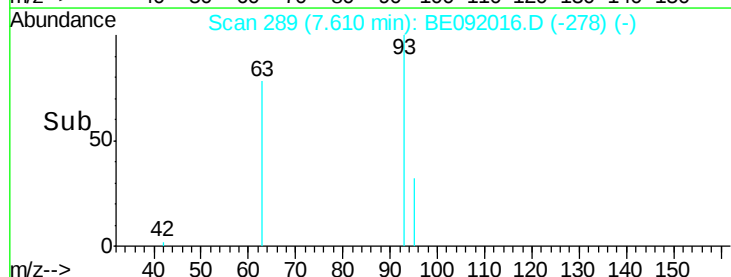
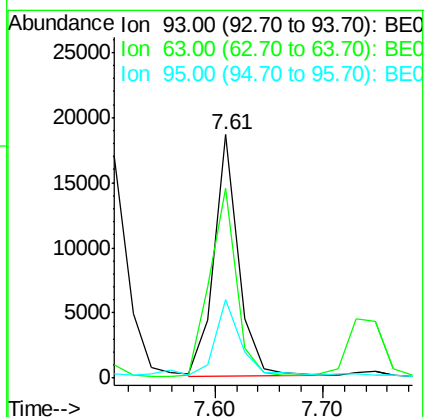
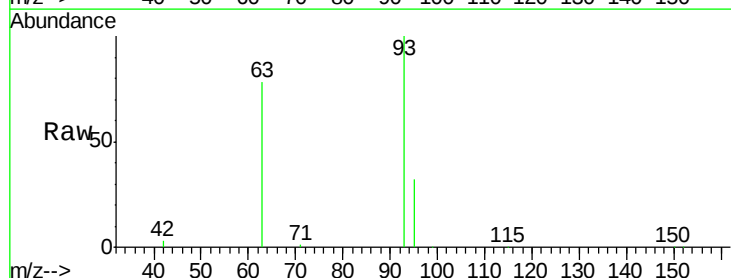
Tgt Ion: 93 Resp: 29049

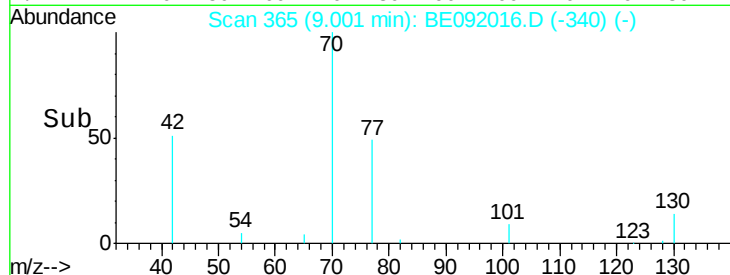
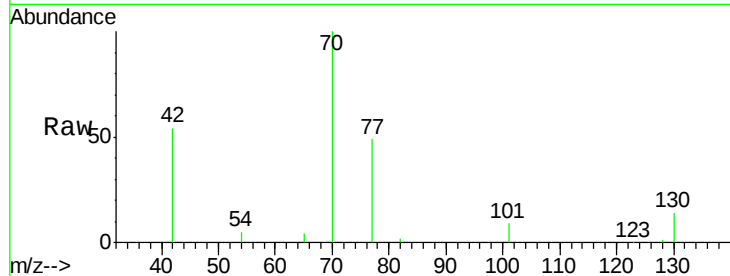
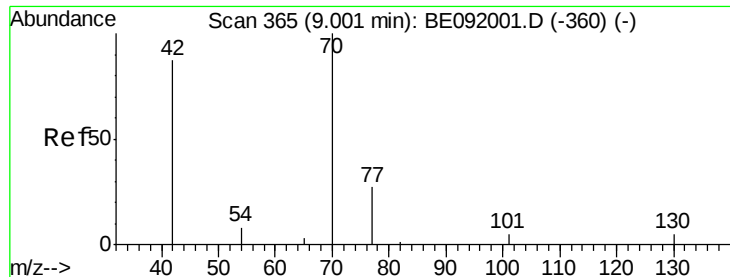
Ion Ratio Lower Upper

93 100

63 86.5 66.2 99.4

95 35.9 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 4.55 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

Tgt Ion: 70 Resp: 26672

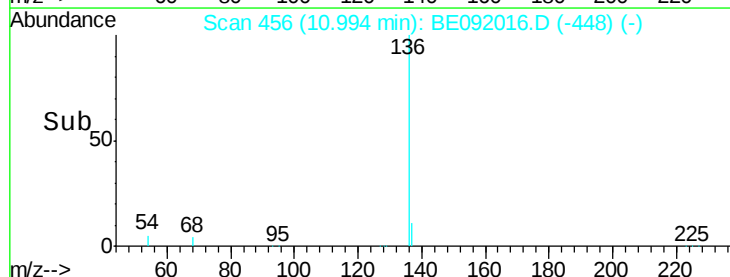
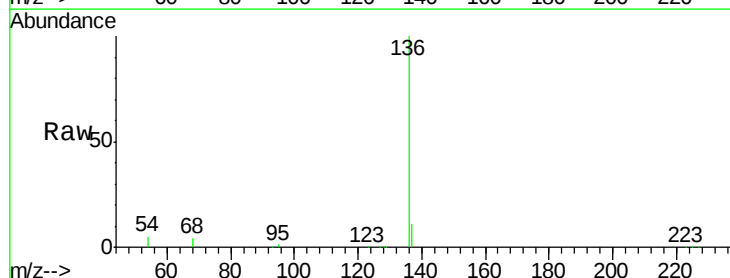
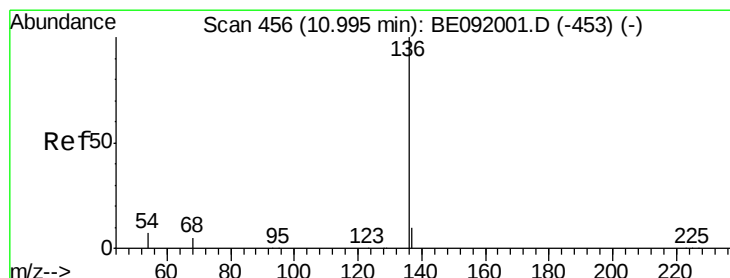
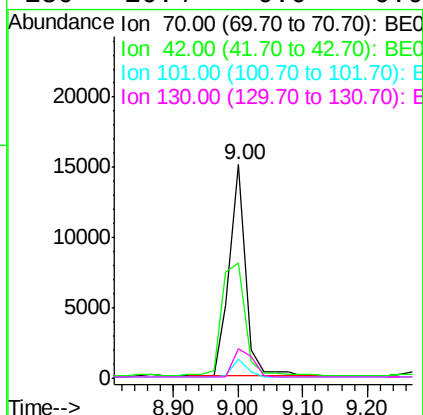
Ion Ratio Lower Upper

70 100

42 74.9 58.4 87.6

101 8.3 6.4 9.6

130 16.4 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Tgt Ion: 136 Resp: 117501

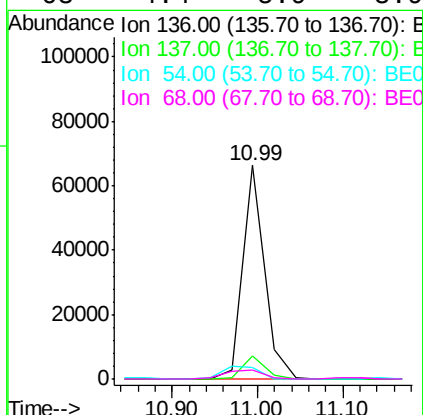
Ion Ratio Lower Upper

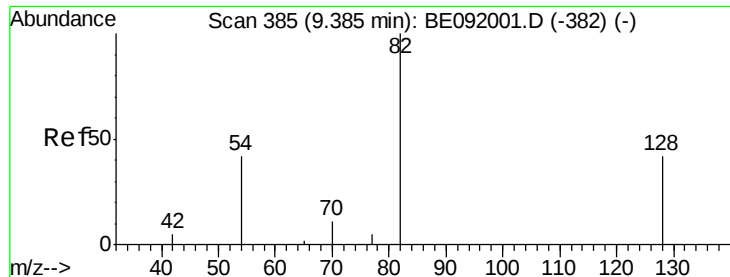
136 100

137 10.7 8.3 12.5

54 5.4 8.2 12.4#

68 4.4 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.63 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

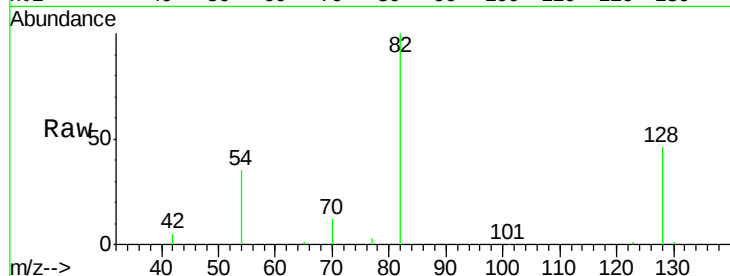
Tgt Ion: 82 Resp: 32764

Ion Ratio Lower Upper

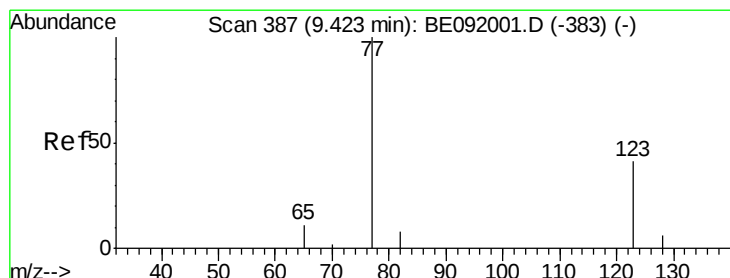
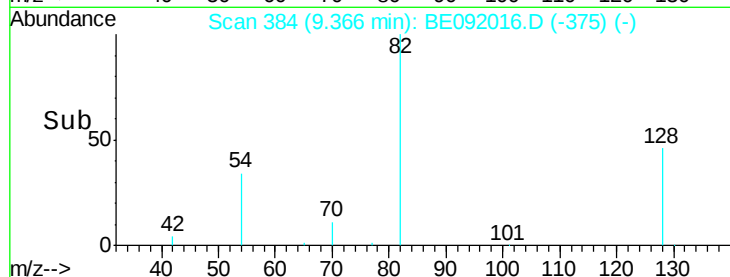
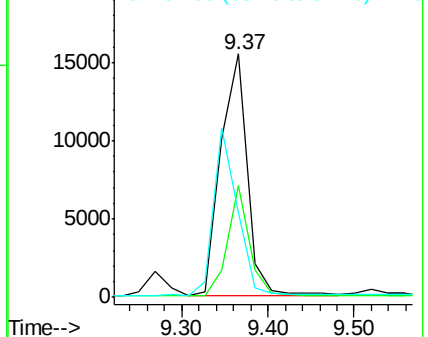
82 100

128 45.7 39.5 59.3

54 34.7 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: 3.81 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

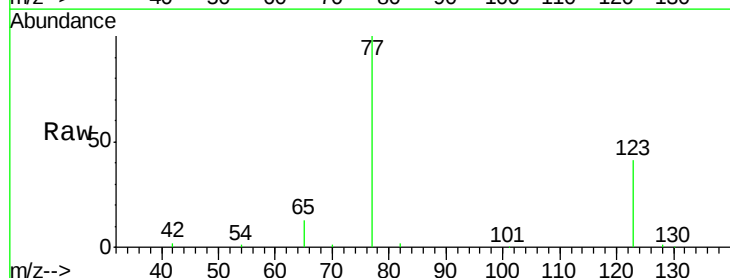
Tgt Ion: 77 Resp: 36208

Ion Ratio Lower Upper

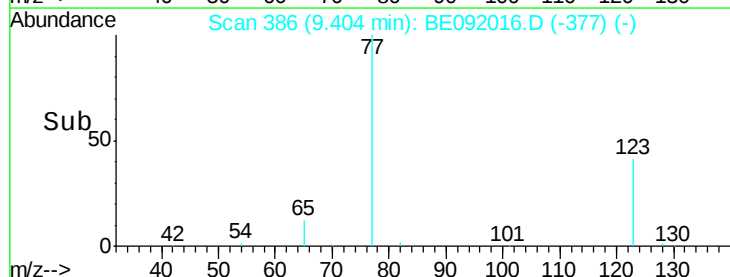
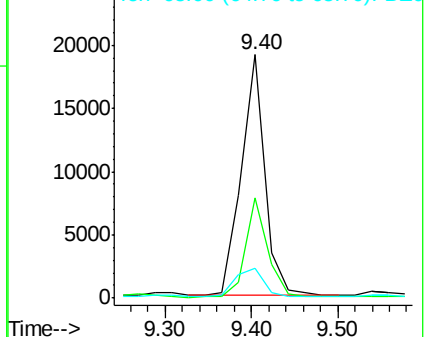
77 100

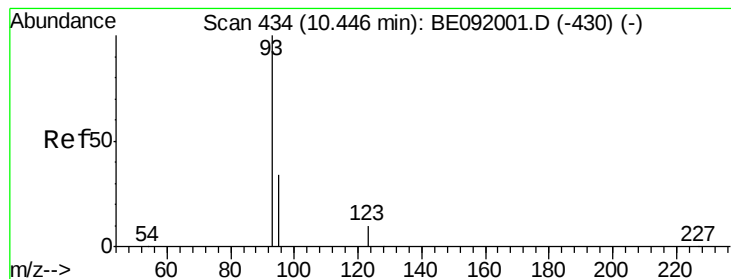
123 38.9 0.0 0.0#

65 14.6 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

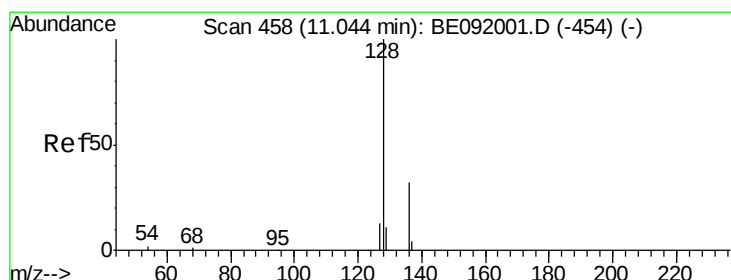
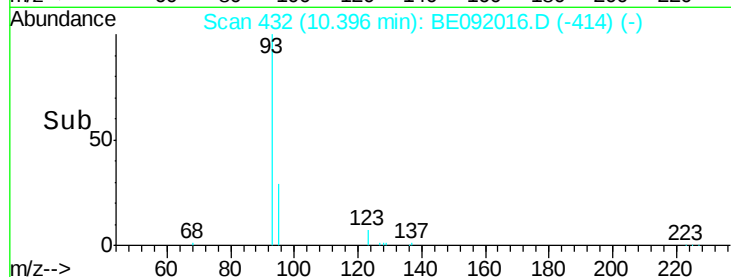
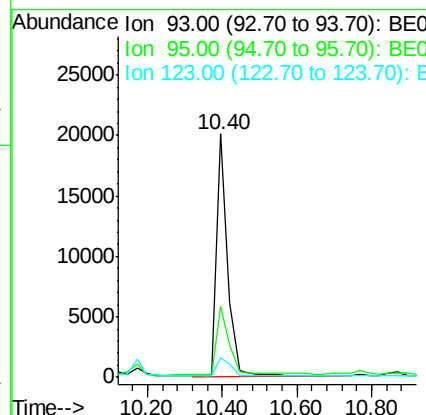
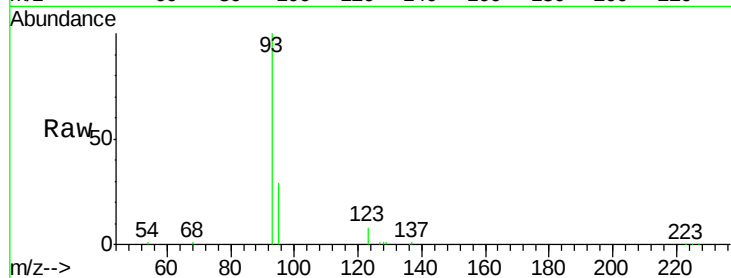




#11
 bis(2-Chloroethoxy)methane
 Concen: 4.77 ng
 RT: 10.40 min Scan# 432
 Delta R.T. -0.05 min
 Lab File: BE092016.D
 Acq: 22 Jul 2016 21:24

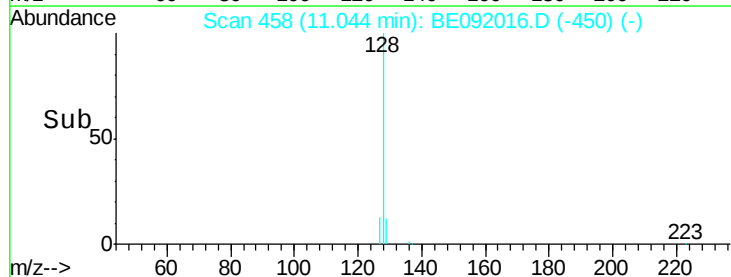
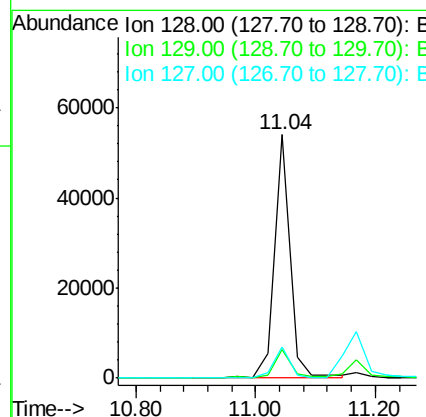
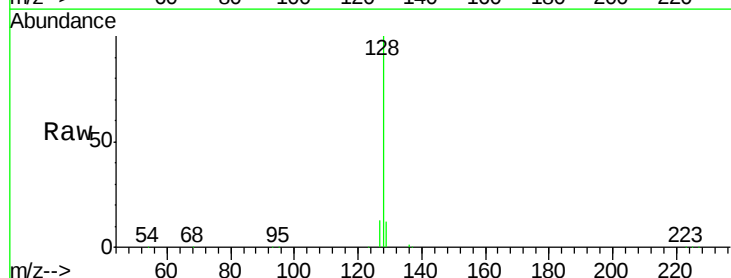
Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.0MS

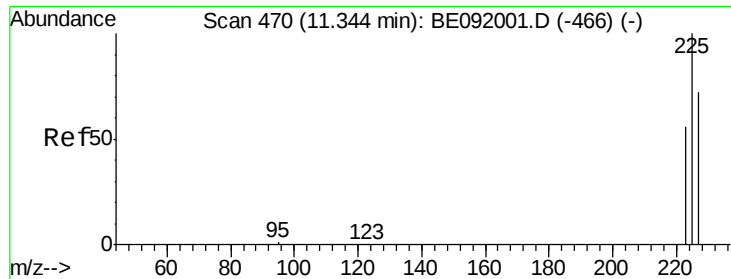
Tgt Ion: 93 Resp: 42189
 Ion Ratio Lower Upper
 93 100
 95 31.4 57.6 86.4#
 123 9.0 100.2 150.4#



#12
 Naphthalene
 Concen: 3.70 ng
 RT: 11.04 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BE092016.D
 Acq: 22 Jul 2016 21:24

Tgt Ion: 128 Resp: 98649
 Ion Ratio Lower Upper
 128 100
 129 11.8 10.4 15.6
 127 12.8 10.2 15.2

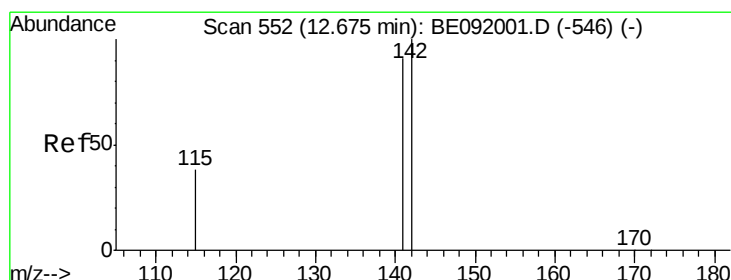
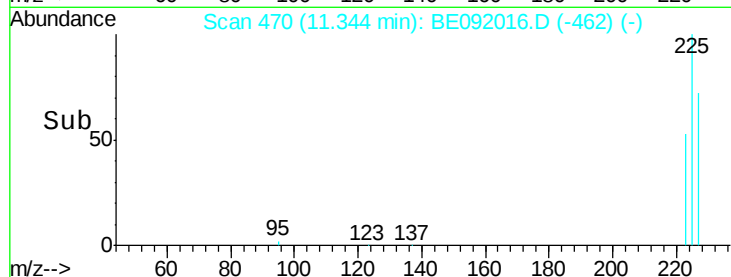
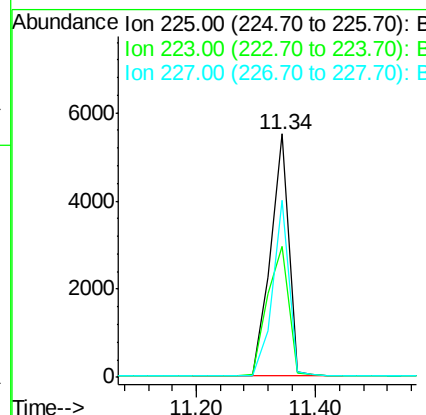
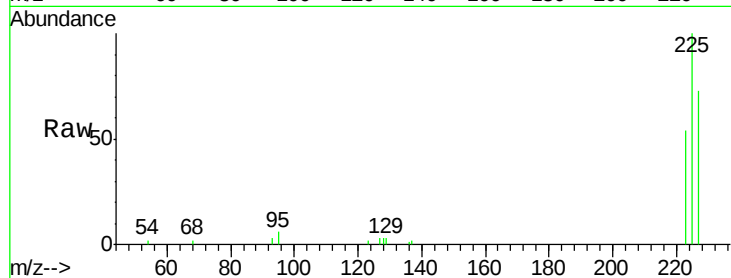




#13
Hexachlorobutadiene
Concen: 3.07 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

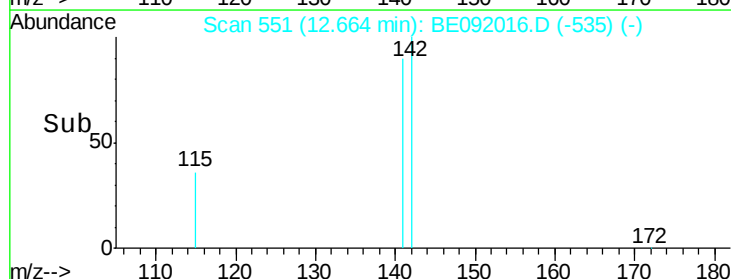
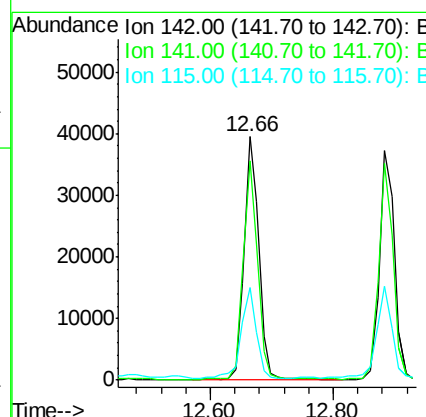
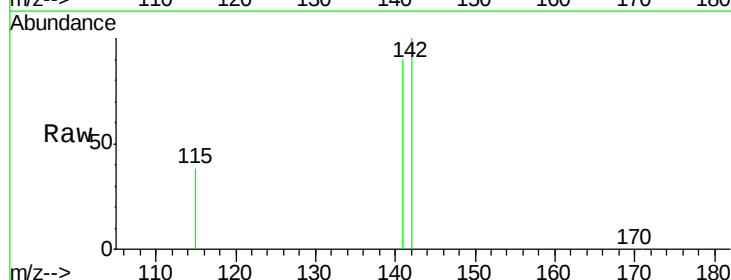
Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0MS

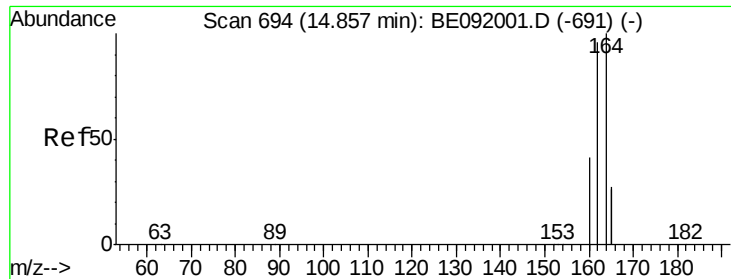
Tgt Ion: 225 Resp: 11715
Ion Ratio Lower Upper
225 100
223 61.7 49.8 74.8
227 65.0 50.6 75.8



#14
2-Methylnaphthalene
Concen: 3.96 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.01 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

Tgt Ion: 142 Resp: 66253
Ion Ratio Lower Upper
142 100
141 90.3 71.9 107.9
115 38.2 29.9 44.9

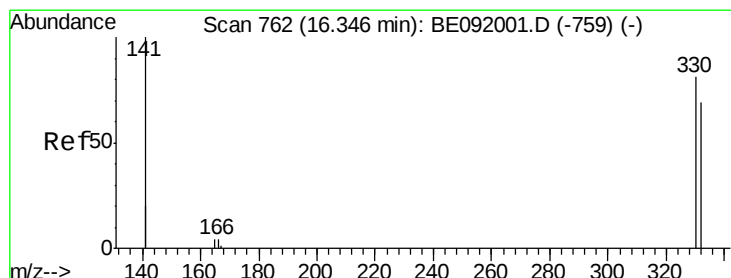
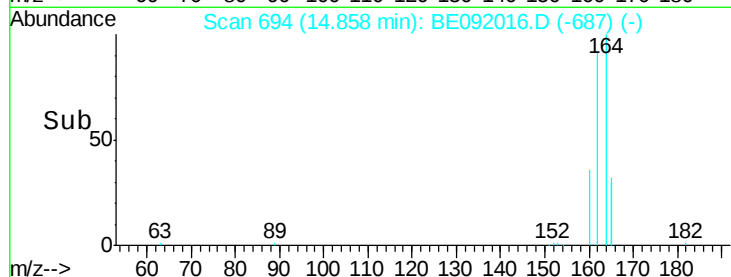
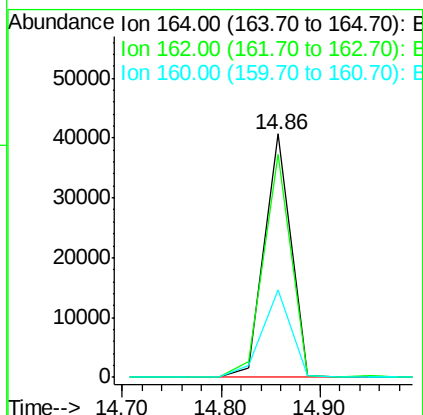
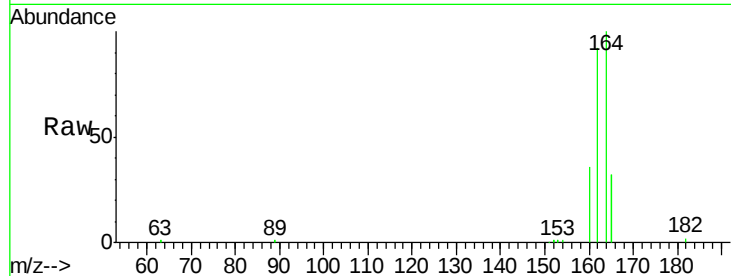




#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

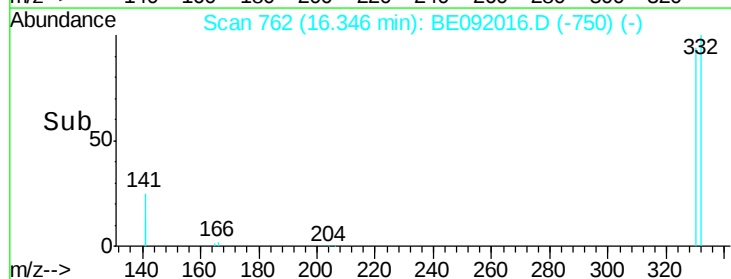
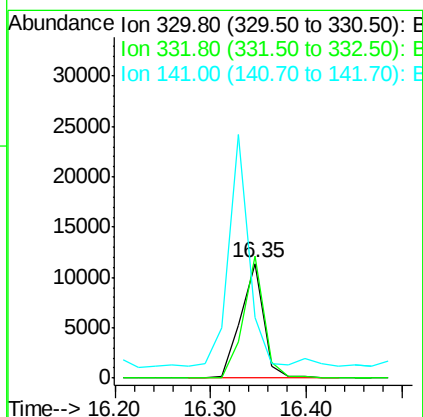
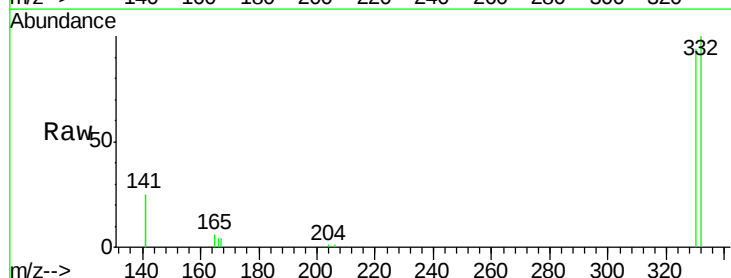
Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0MS

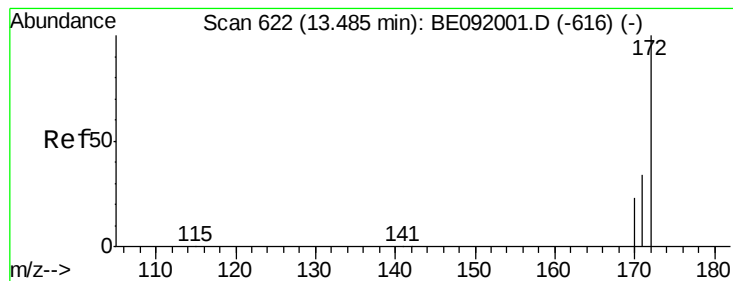
Tgt Ion:164 Resp: 76488
Ion Ratio Lower Upper
164 100
162 91.6 71.8 107.8
160 36.1 28.0 42.0



#16
2,4,6-Tribromophenol
Concen: 7.07 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

Tgt Ion:330 Resp: 18717
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 179.2 138.4 207.6

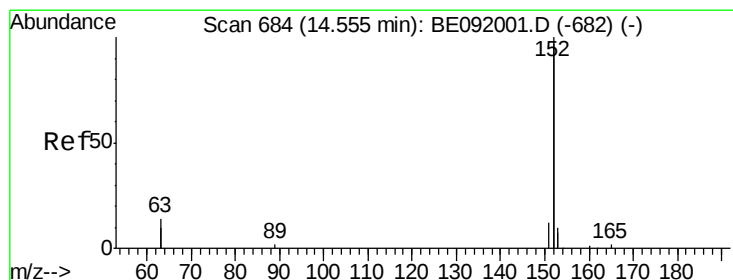
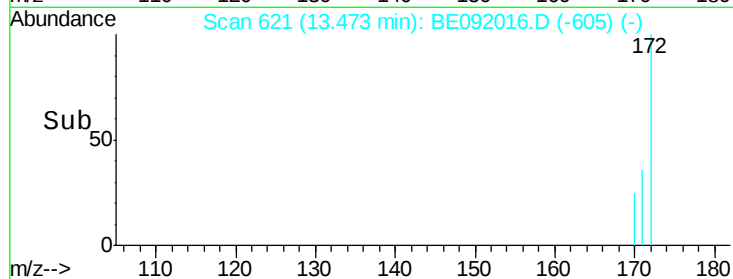
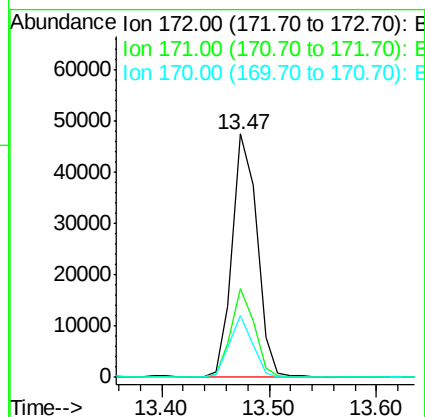
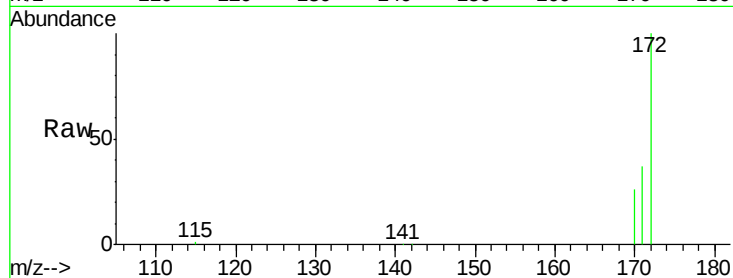




#17
2-Fluorobiphenyl
Concen: 3.74 ng
RT: 13.47 min Scan# 621
Delta R.T. -0.01 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

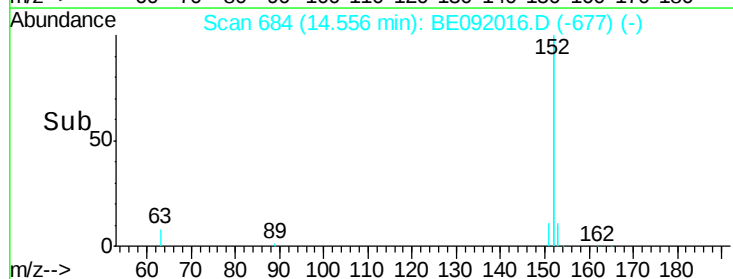
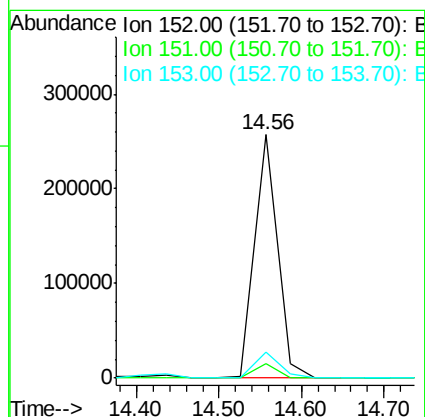
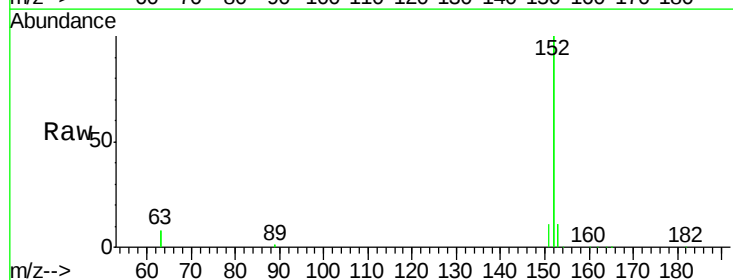
Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0MS

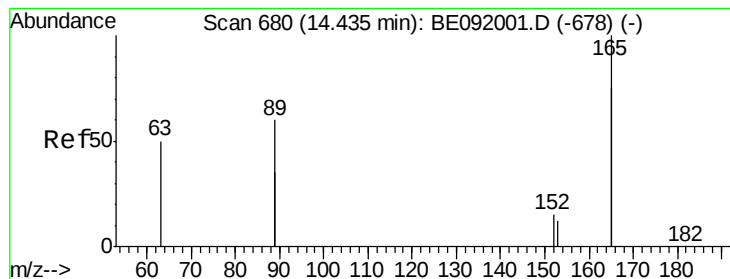
Tgt Ion:172 Resp: 75193
Ion Ratio Lower Upper
172 100
171 36.7 24.3 36.5#
170 25.6 14.9 22.3#



#18
Acenaphthylene
Concen: 4.20 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

Tgt Ion:152 Resp: 494434
Ion Ratio Lower Upper
152 100
151 5.5 19.4 29.2#
153 11.6 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 4.22 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

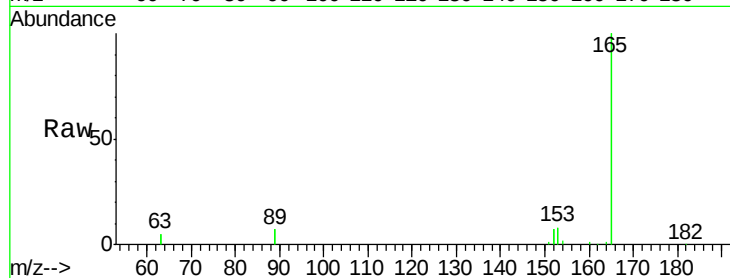
Tgt Ion:165 Resp: 93000

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

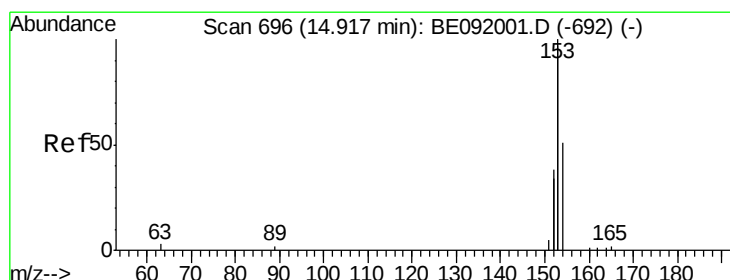
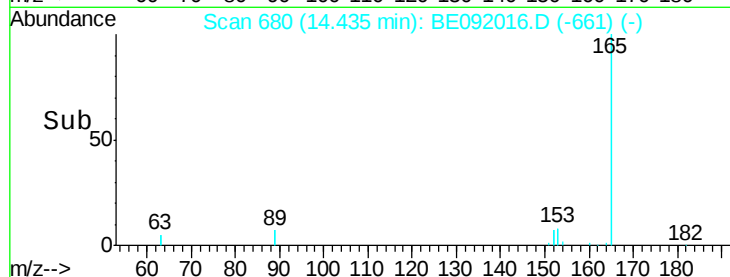
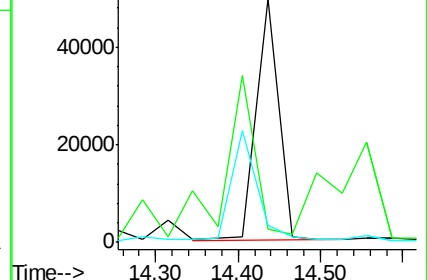
89 0.0 59.1 88.7#



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: 3.96 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

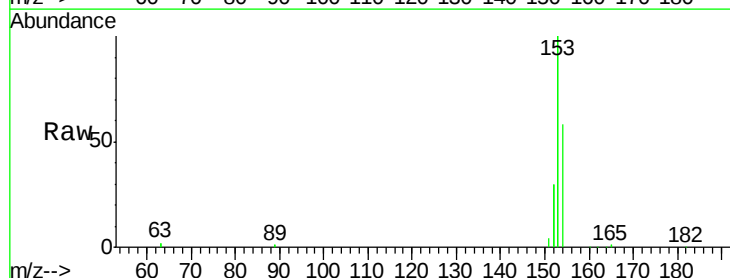
Tgt Ion:154 Resp: 78891

Ion Ratio Lower Upper

154 100

153 357.6 88.1 132.1#

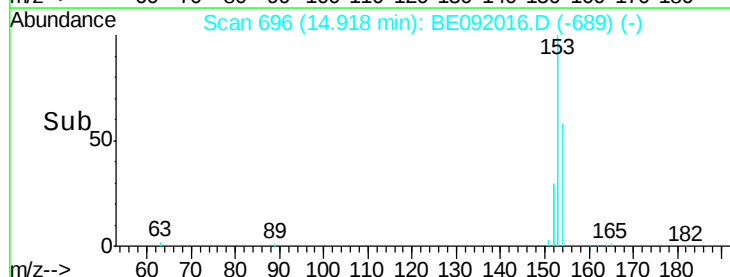
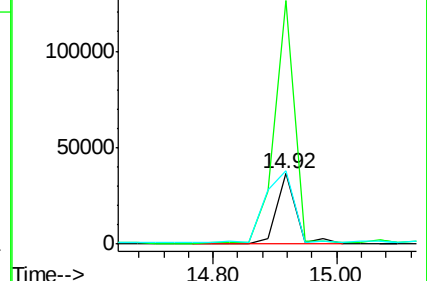
152 155.2 44.2 66.2#

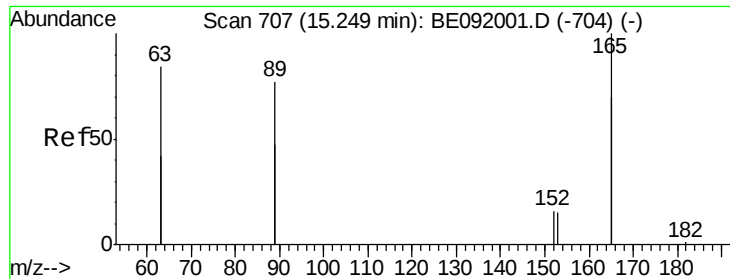


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 4.35 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

Tgt Ion:165 Resp: 134760

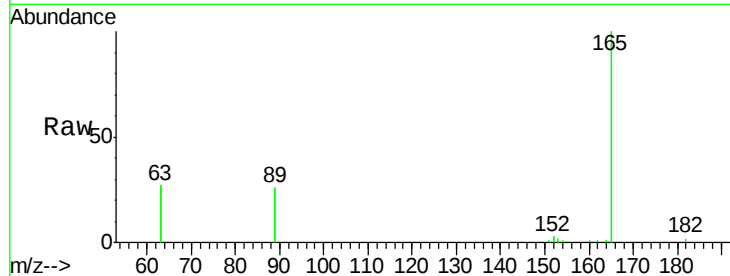
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 1.1 0.0 0.0#

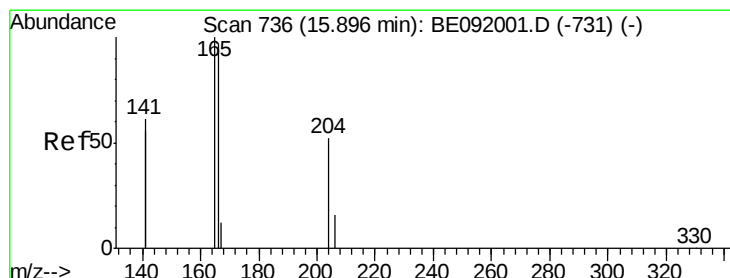
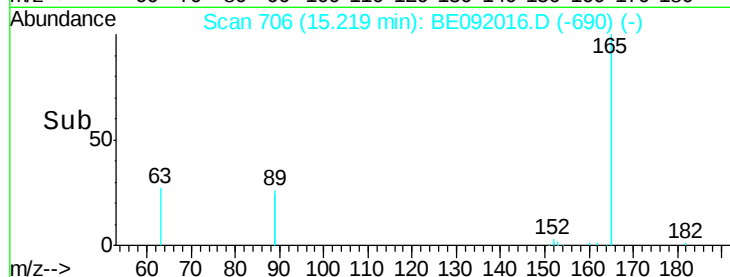
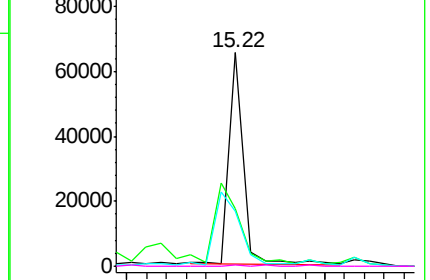


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.17 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

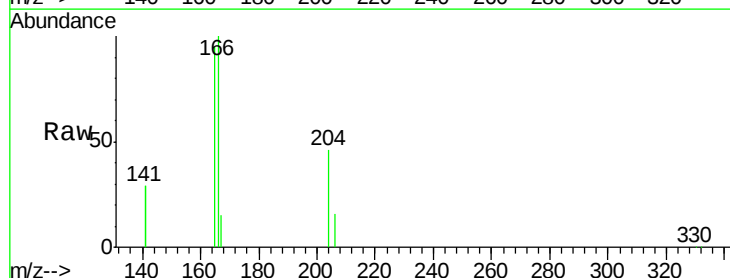
Tgt Ion:166 Resp: 99175

Ion Ratio Lower Upper

166 100

165 99.7 78.6 117.8

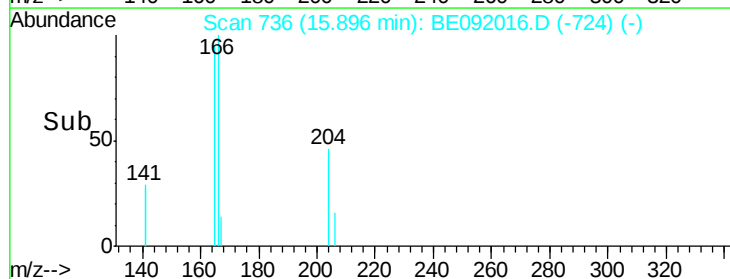
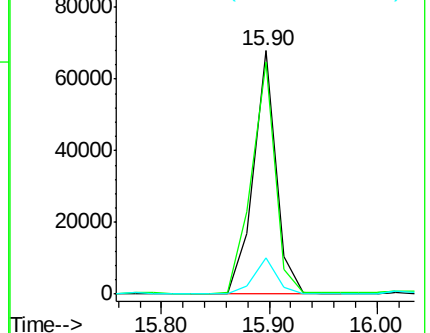
167 15.4 10.8 16.2

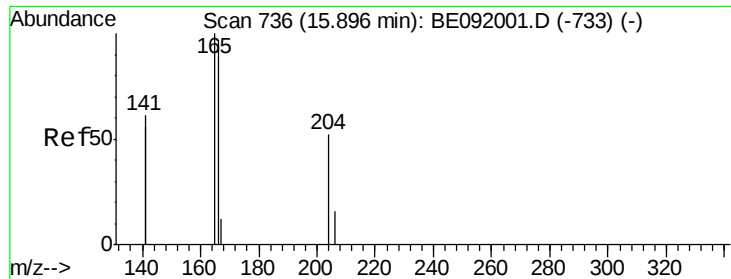


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

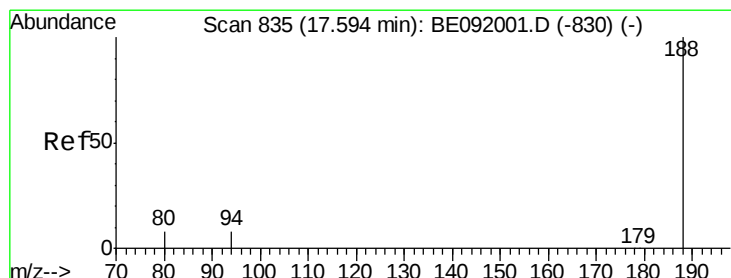
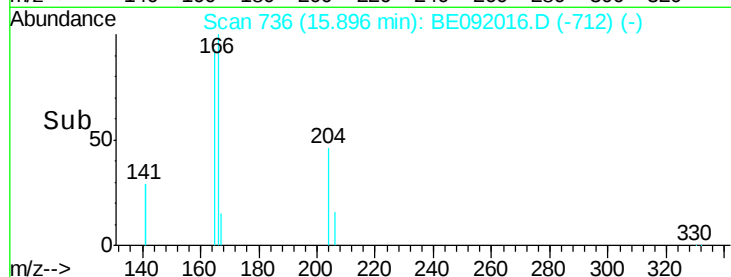
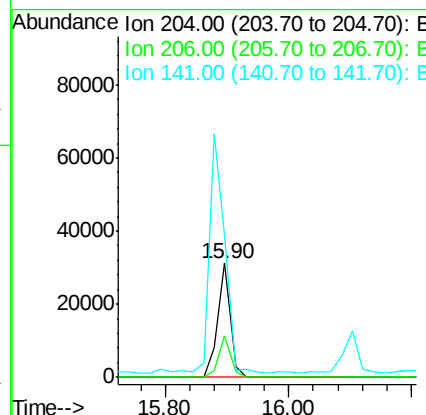
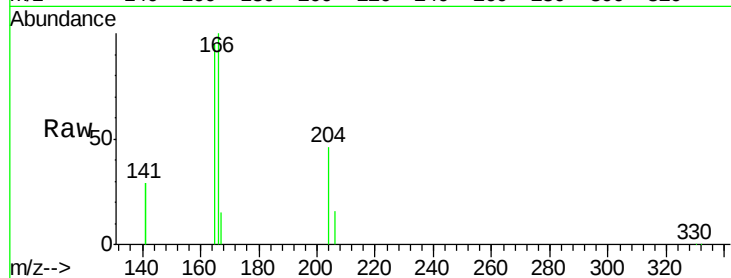




#23
 4-Chlorophenyl-phenylether
 Concen: 3.71 ng
 RT: 15.90 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BE092016.D
 Acq: 22 Jul 2016 21:24

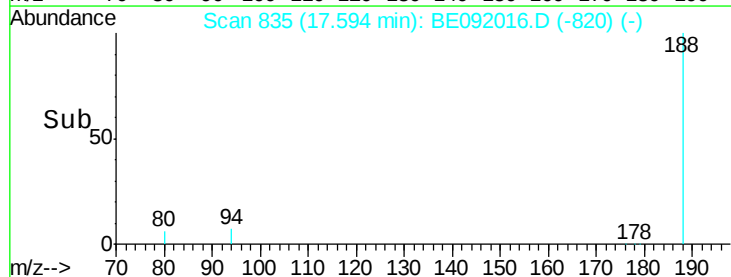
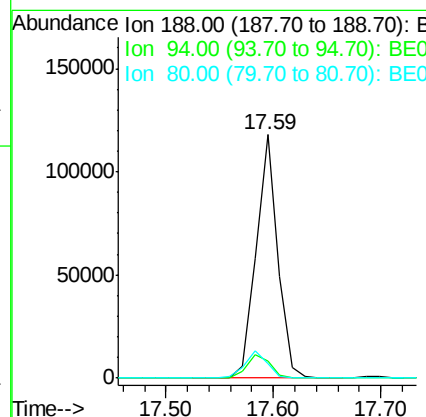
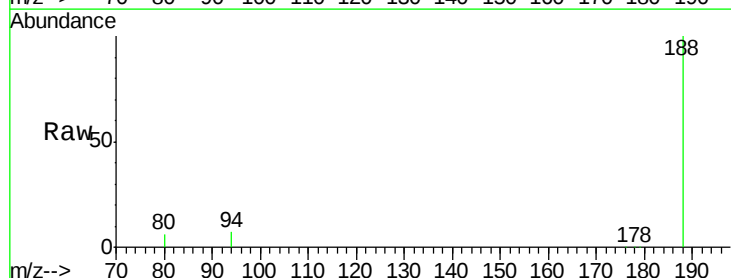
Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.0MS

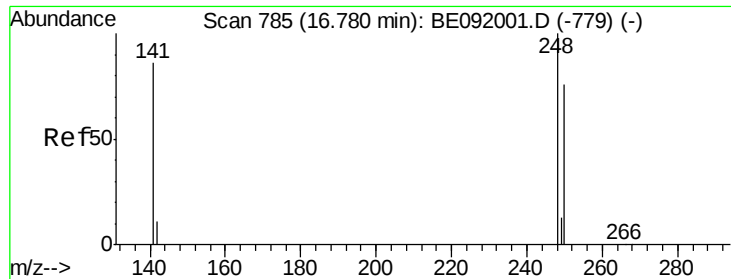
Tgt Ion:204 Resp: 43874
 Ion Ratio Lower Upper
 204 100
 206 34.2 27.8 41.6
 141 253.5 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE092016.D
 Acq: 22 Jul 2016 21:24

Tgt Ion:188 Resp: 164849
 Ion Ratio Lower Upper
 188 100
 94 7.1 4.1 6.1#
 80 6.2 3.4 5.2#

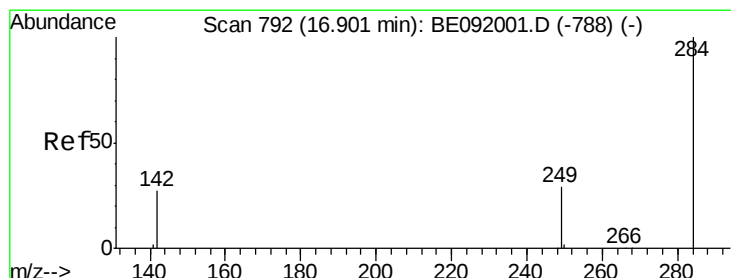
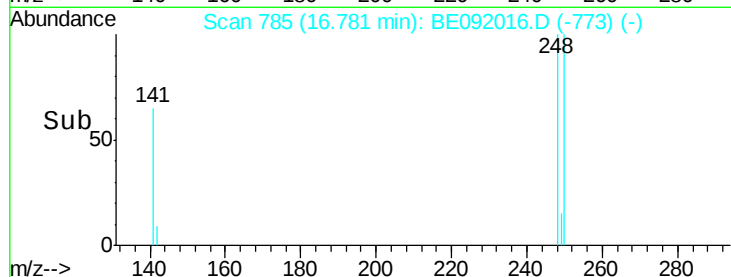
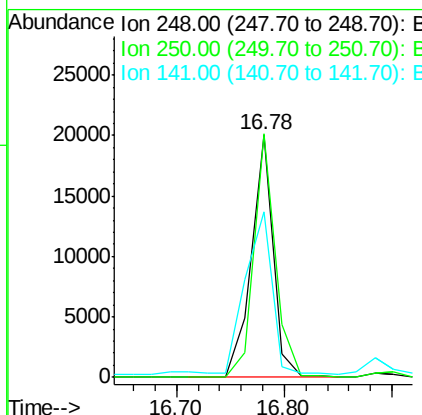
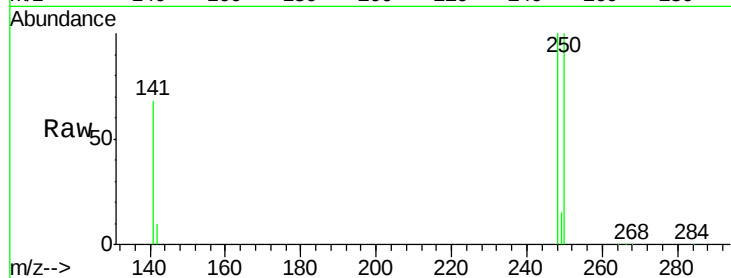




#25
4-Bromophenyl-phenylether
Concen: 4.07 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

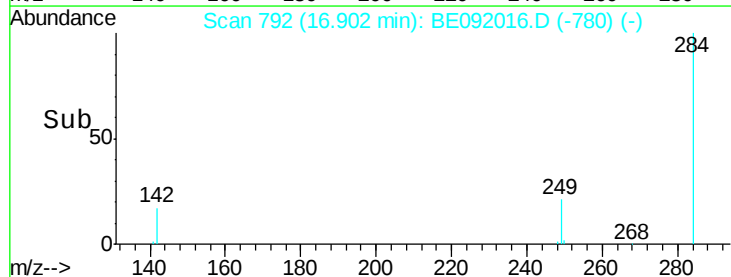
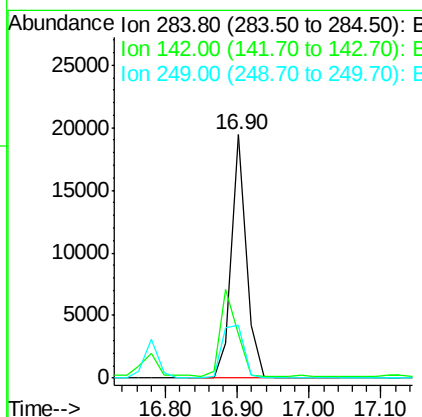
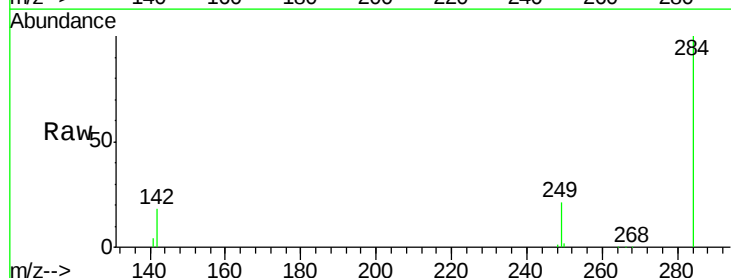
Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0MS

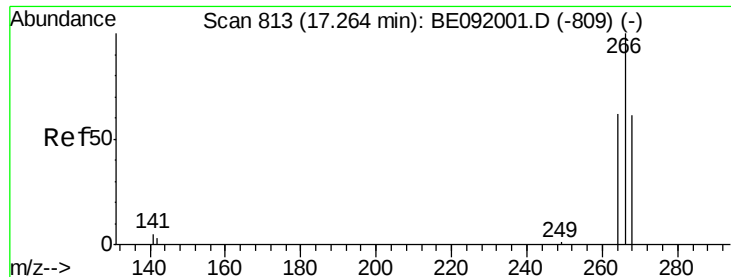
Tgt Ion:248 Resp: 27968
Ion Ratio Lower Upper
248 100
250 98.6 75.7 113.5
141 84.8 64.6 97.0



#26
Hexachlorobenzene
Concen: 3.89 ng
RT: 16.90 min Scan# 792
Delta R.T. 0.00 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

Tgt Ion:284 Resp: 27519
Ion Ratio Lower Upper
284 100
142 40.5 31.4 47.2
249 31.6 25.3 37.9





#27

Pentachlorophenol

Concen: 7.82 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.02 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

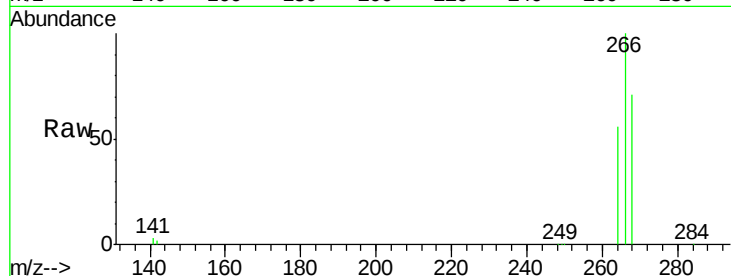
Tgt Ion:266 Resp: 30971

Ion Ratio Lower Upper

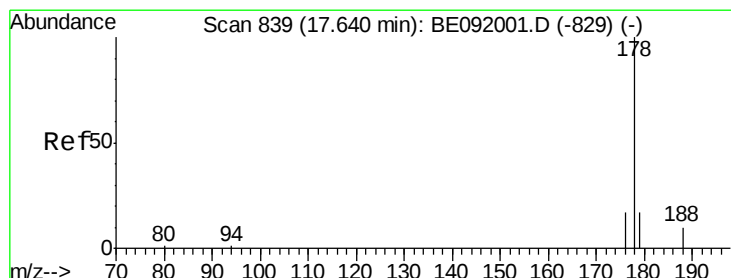
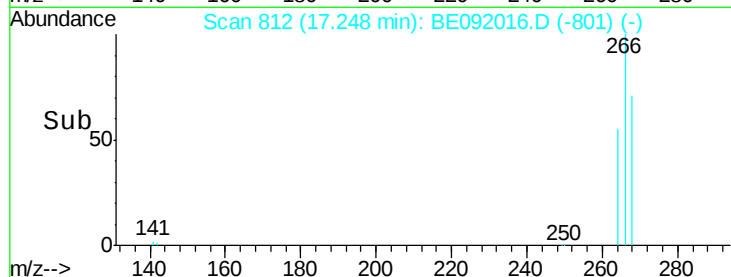
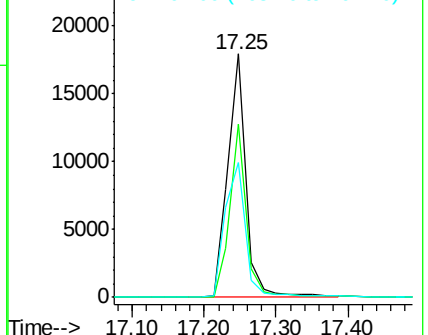
266 100

268 71.1 60.5 90.7

264 55.5 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: 4.09 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

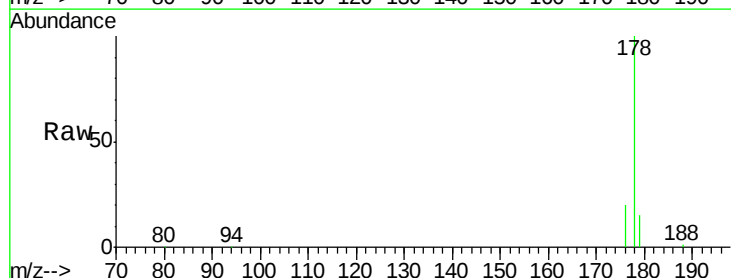
Tgt Ion:178 Resp: 174182

Ion Ratio Lower Upper

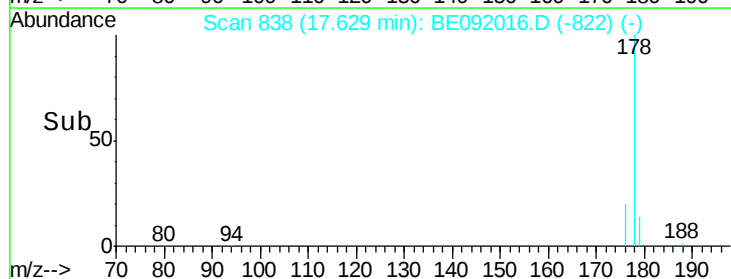
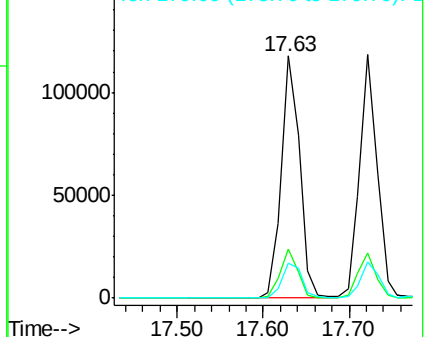
178 100

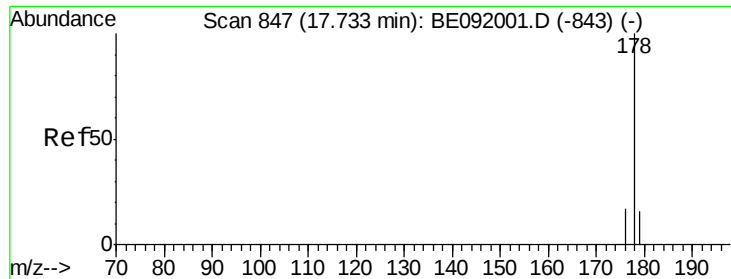
176 19.3 15.4 23.2

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: 4.36 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.01 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

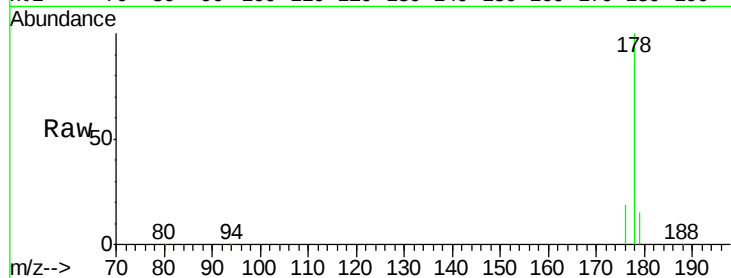
Tgt Ion:178 Resp: 168415

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

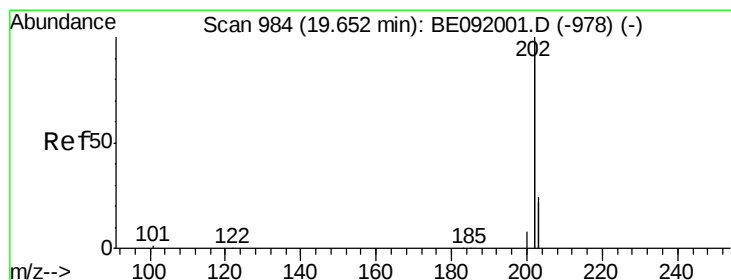
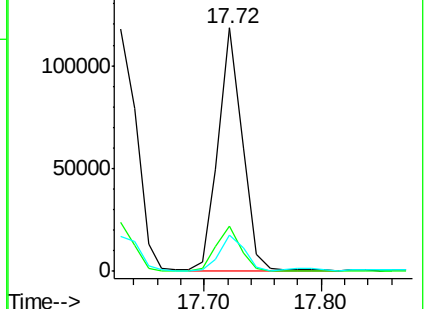
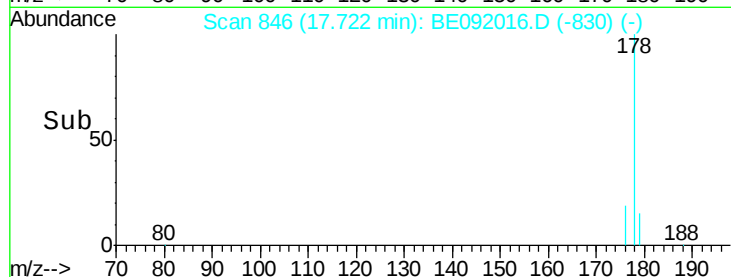
179 15.1 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 4.86 ng

RT: 19.63 min Scan# 983

Delta R.T. -0.02 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

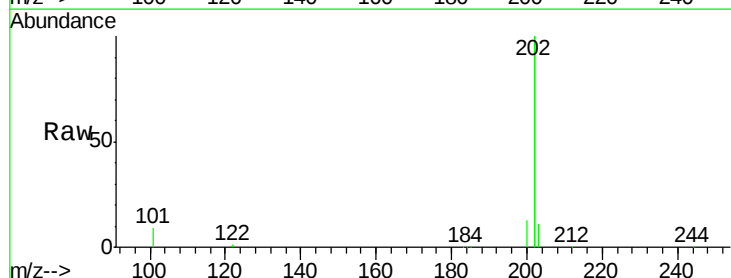
Tgt Ion:202 Resp: 828035

Ion Ratio Lower Upper

202 100

101 3.2 9.4 14.0#

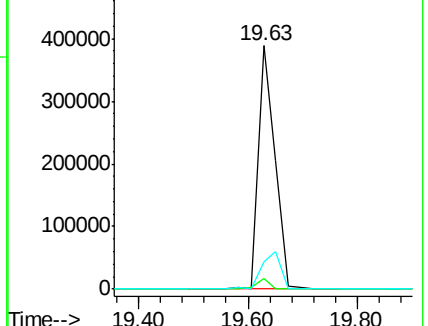
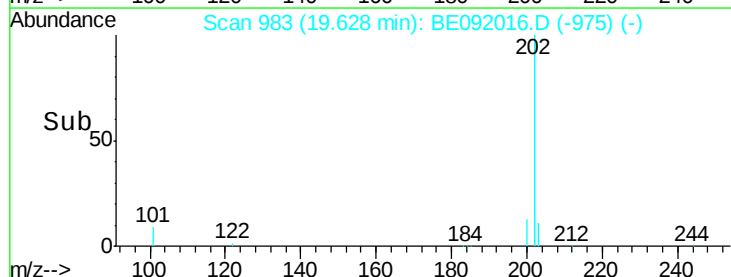
203 0.0 14.3 21.5#

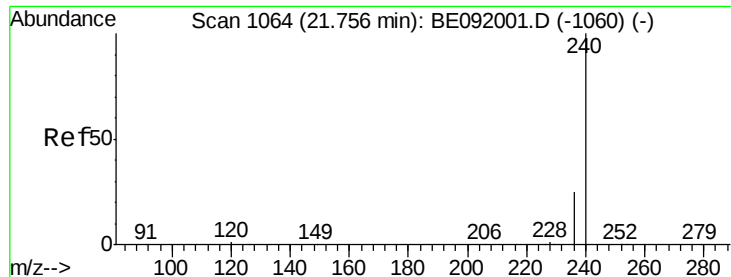


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

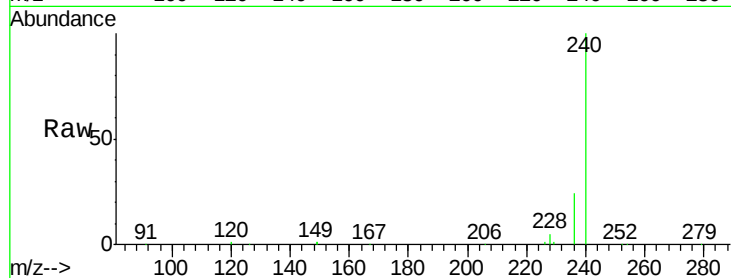




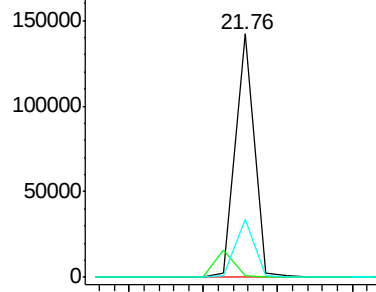
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

Instrument :
BNA_E
ClientSampleId :
GW-05-5.0-16.0MS

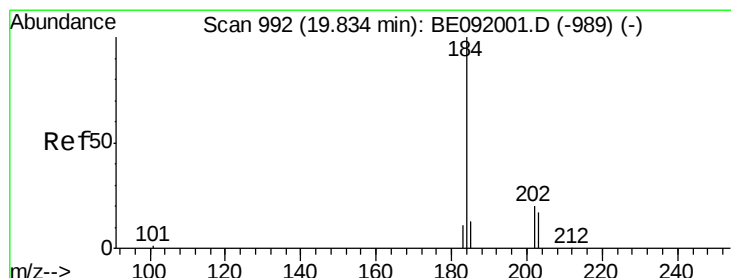
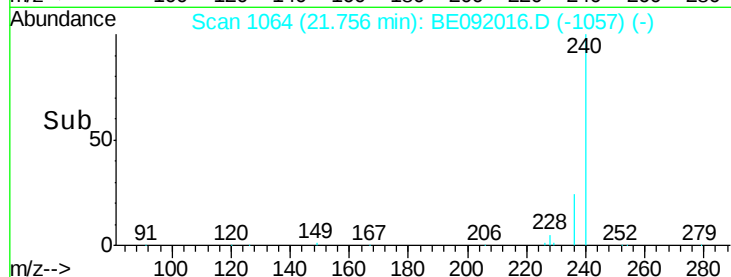
Tgt Ion:240 Resp: 254644
Ion Ratio Lower Upper
240 100
120 0.6 1.2 1.8#
236 23.9 19.8 29.8



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

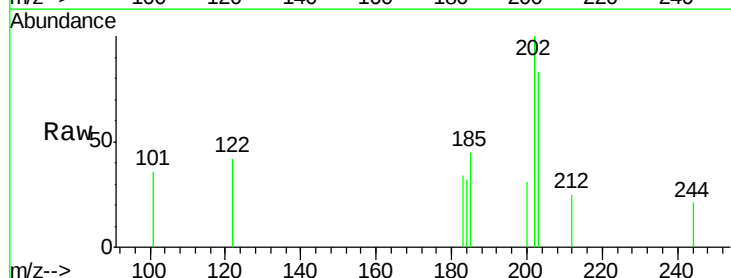


Time-->

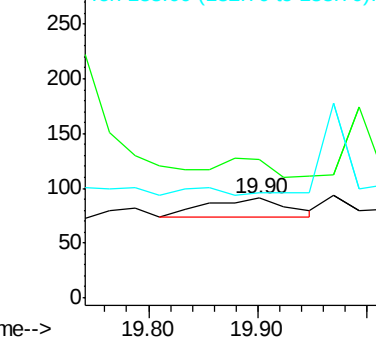


#32
Benzidine
Concen: 0.19 ng
RT: 19.90 min Scan# 995
Delta R.T. 0.07 min
Lab File: BE092016.D
Acq: 22 Jul 2016 21:24

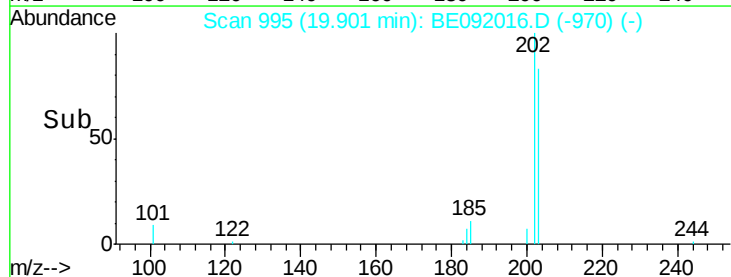
Tgt Ion:184 Resp: 89
Ion Ratio Lower Upper
184 100
185 138.5 11.4 17.2#
183 105.5 11.8 17.6#

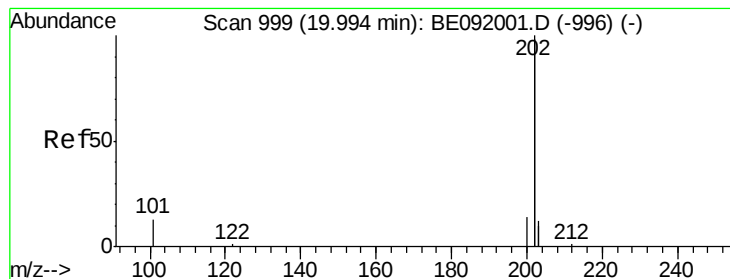


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time-->





#33

Pyrene

Concen: 5.11 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

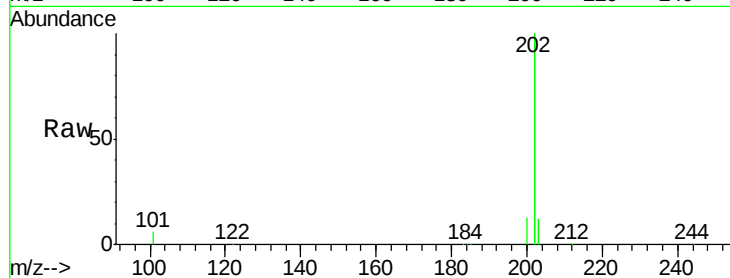
Tgt Ion:202 Resp: 943229

Ion Ratio Lower Upper

202 100

200 5.8 16.9 25.3#

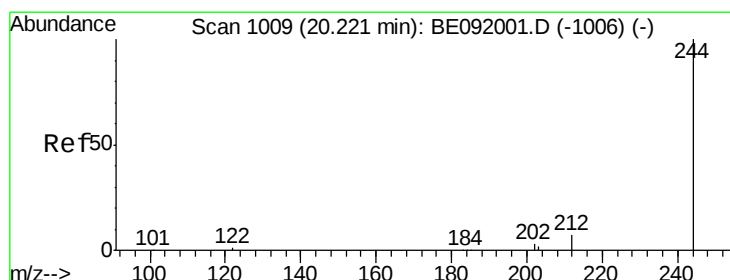
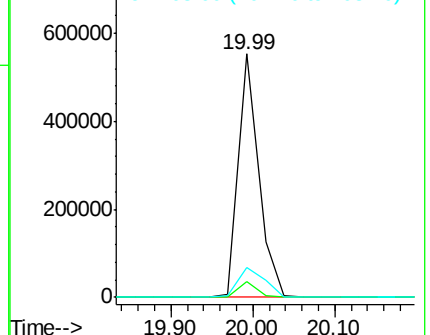
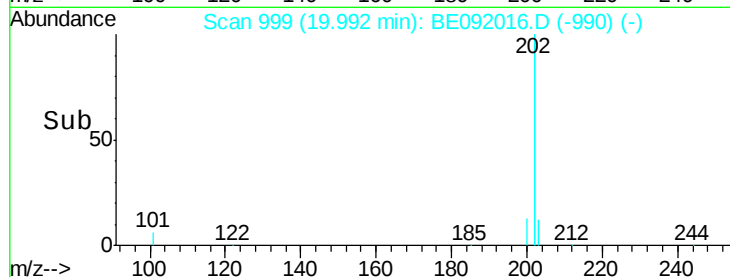
203 16.2 14.1 21.1



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: 4.99 ng

RT: 20.20 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

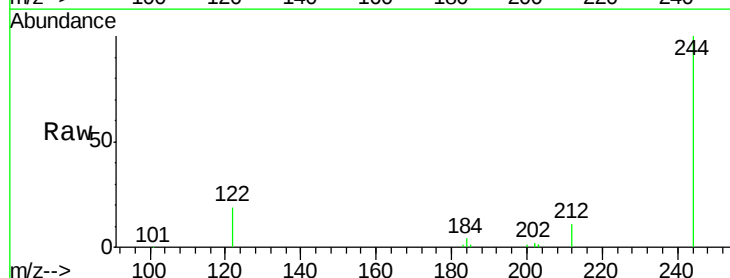
Tgt Ion:244 Resp: 127704

Ion Ratio Lower Upper

244 100

212 10.6 6.5 9.7#

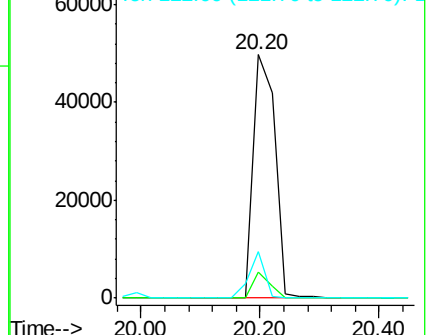
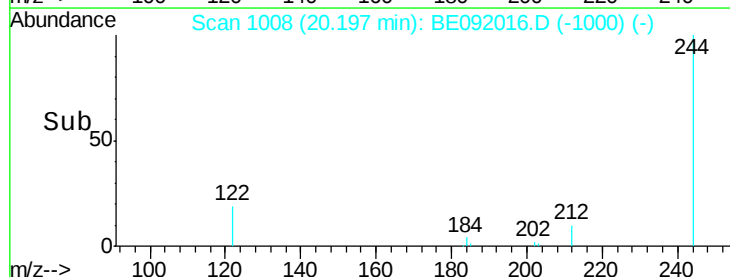
122 19.1 2.9 4.3#

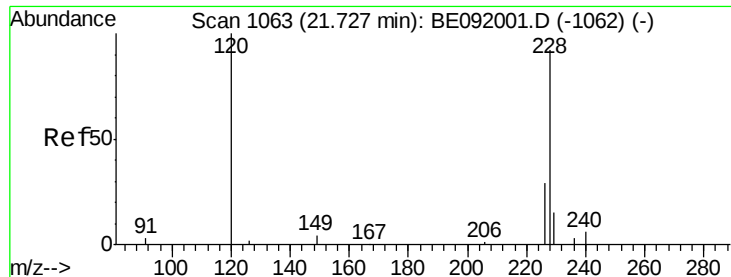


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 10.26 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

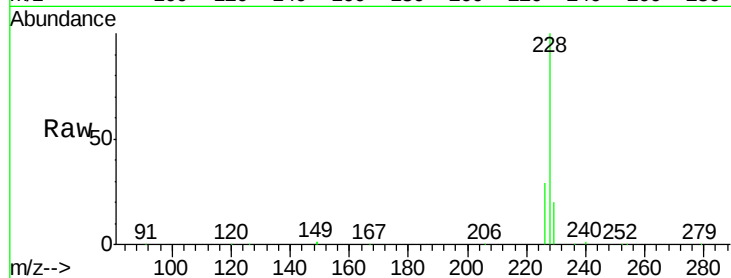
Tgt Ion:228 Resp: 588865

Ion Ratio Lower Upper

228 100

226 28.8 21.0 31.4

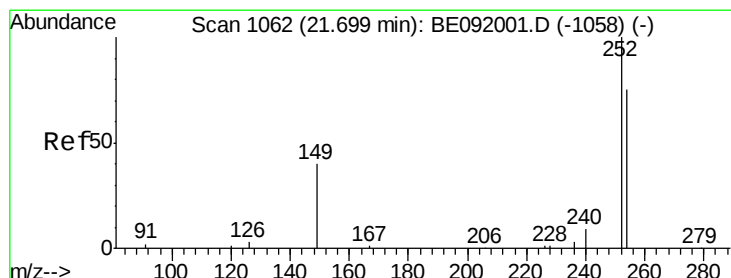
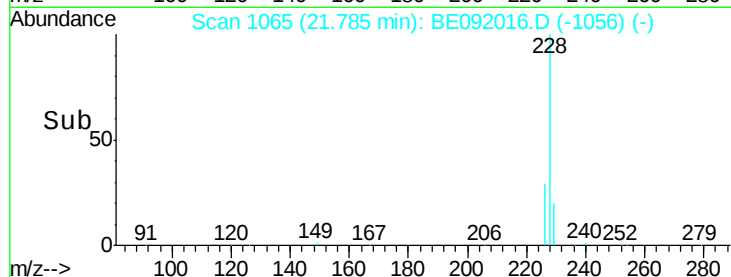
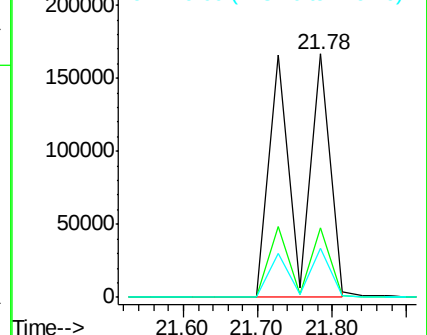
229 20.4 15.8 23.8



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: 2.25 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

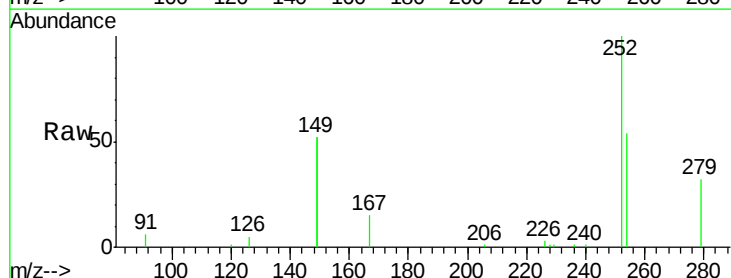
Tgt Ion:252 Resp: 25194

Ion Ratio Lower Upper

252 100

254 54.1 61.5 92.3#

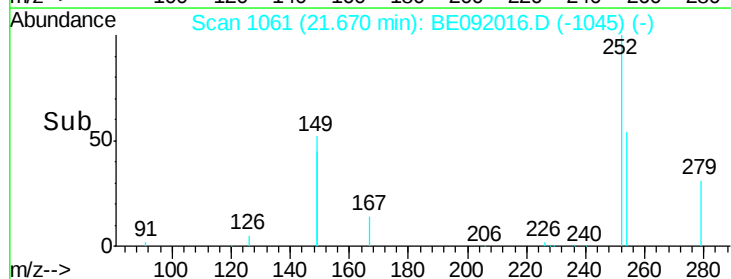
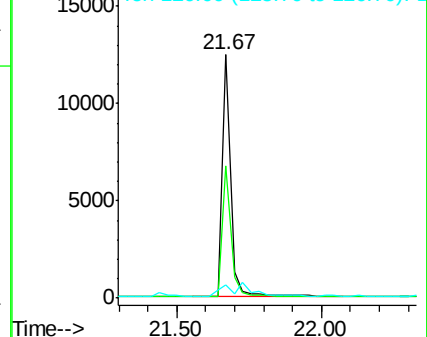
126 5.4 2.5 3.7#

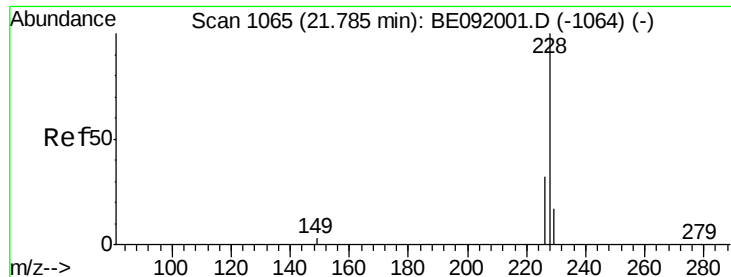


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 8.48 ng

RT: 21.78 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

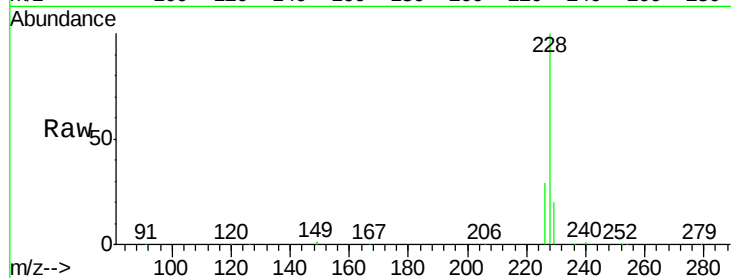
Tgt Ion:228 Resp: 592686

Ion Ratio Lower Upper

228 100

226 28.8 27.0 40.6

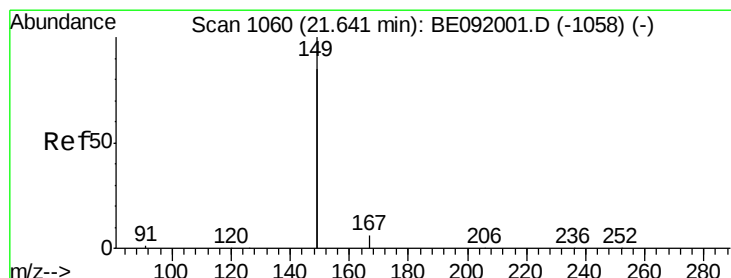
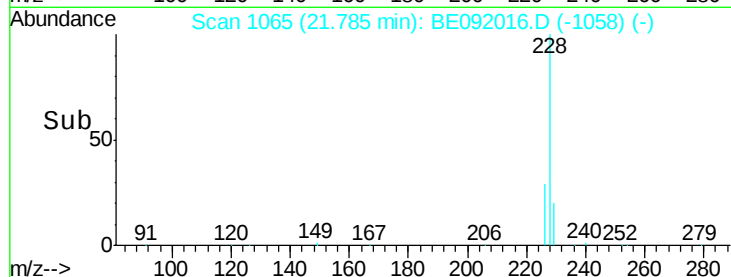
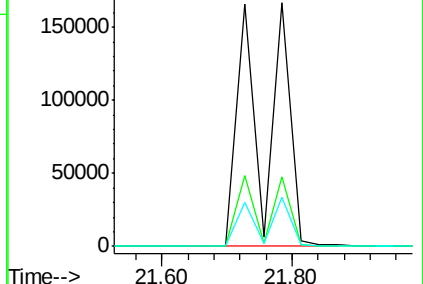
229 20.4 13.8 20.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 10.56 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

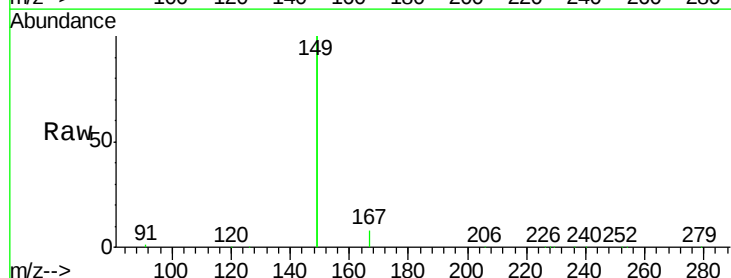
Tgt Ion:149 Resp: 529967

Ion Ratio Lower Upper

149 100

167 4.6 0.0 0.0#

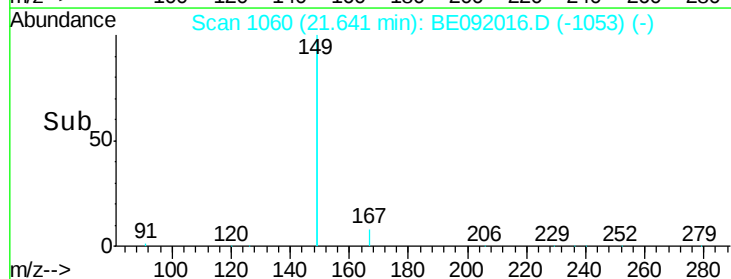
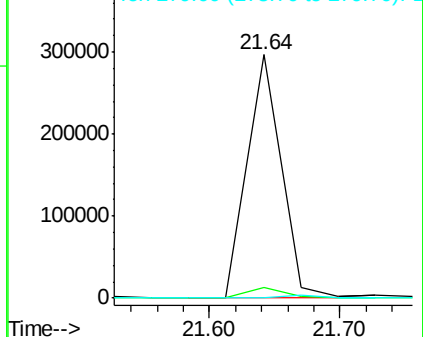
279 0.0 0.0 0.0

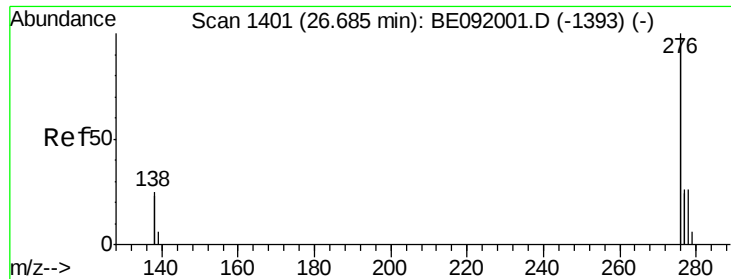


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

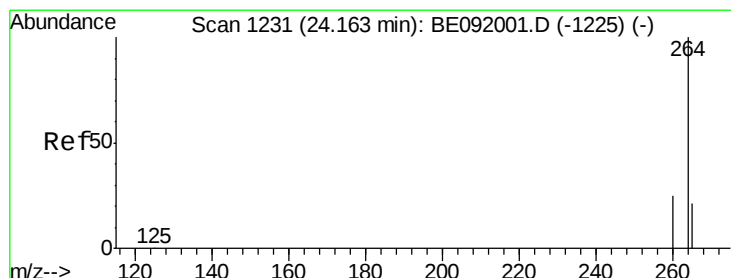
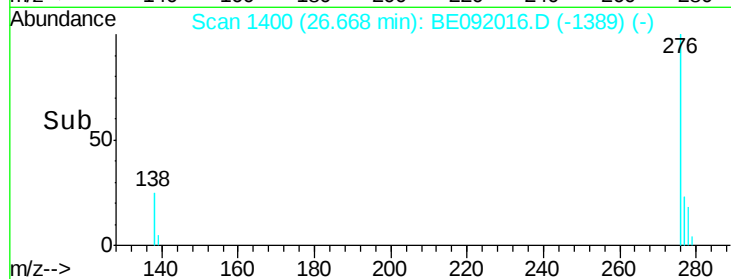
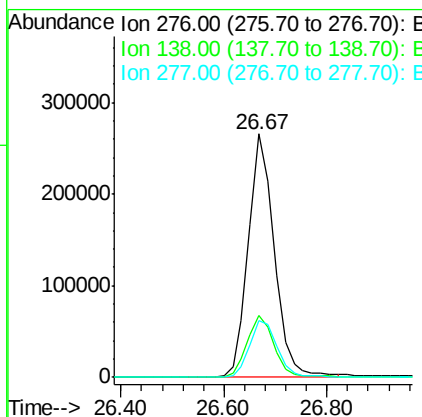
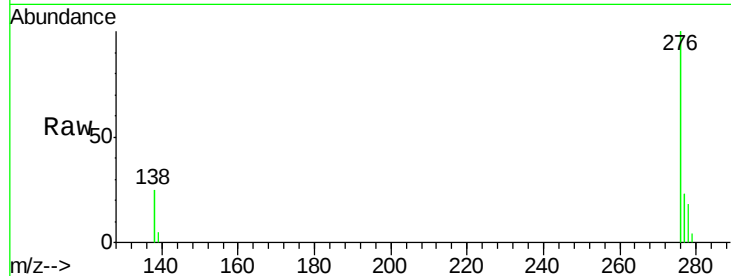




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 4.81 ng
 RT: 26.67 min Scan# 1400
 Delta R.T. -0.02 min
 Lab File: BE092016.D
 Acq: 22 Jul 2016 21:24

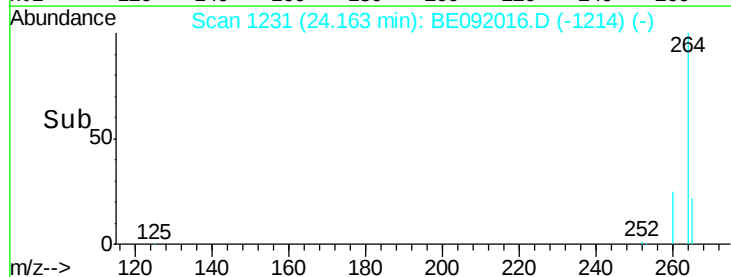
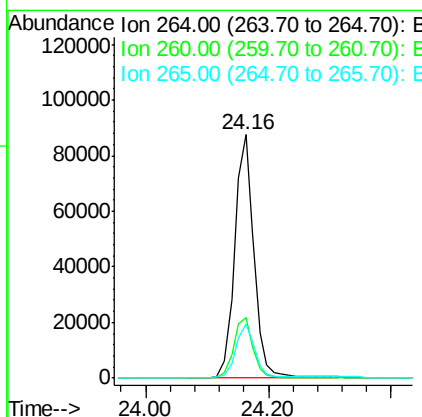
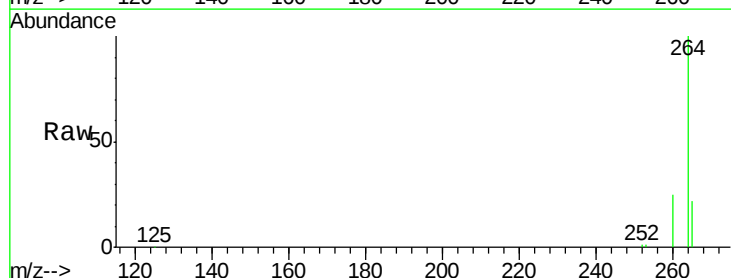
Instrument :
 BNA_E
 ClientSampleId :
 GW-05-5.0-16.0MS

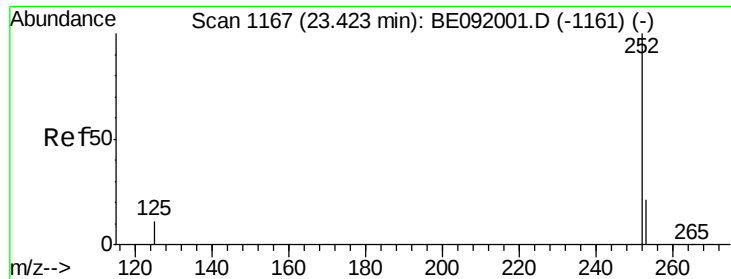
Tgt Ion: 276 Resp: 923729
 Ion Ratio Lower Upper
 276 100
 138 26.1 19.7 29.5
 277 24.6 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.16 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE092016.D
 Acq: 22 Jul 2016 21:24

Tgt Ion: 264 Resp: 190095
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.3 30.5
 265 22.3 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 4.72 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

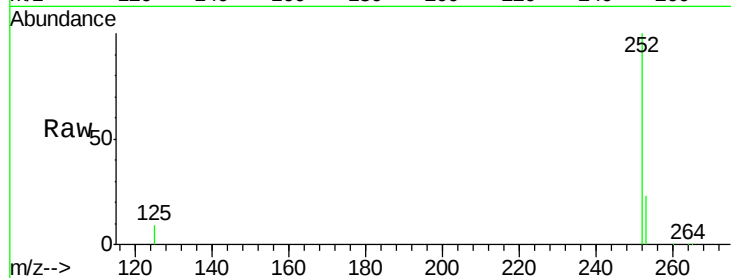
Tgt Ion:252 Resp: 235340

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

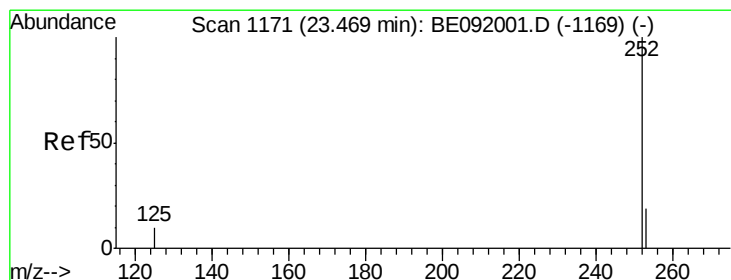
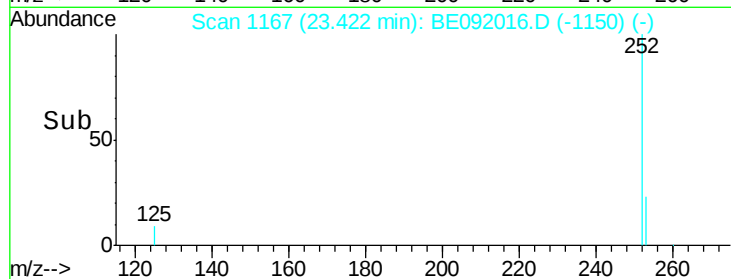
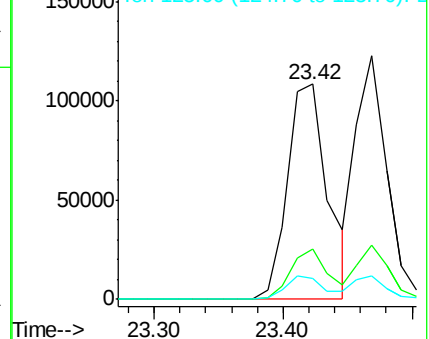
125 9.5 9.4 14.2



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: 4.14 ng

RT: 23.47 min Scan# 1171

Delta R.T. -0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

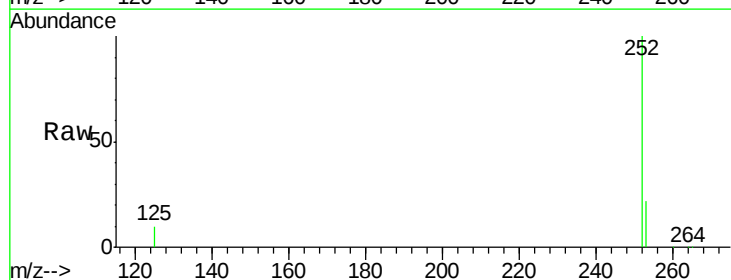
Tgt Ion:252 Resp: 210167

Ion Ratio Lower Upper

252 100

253 22.1 19.4 29.2

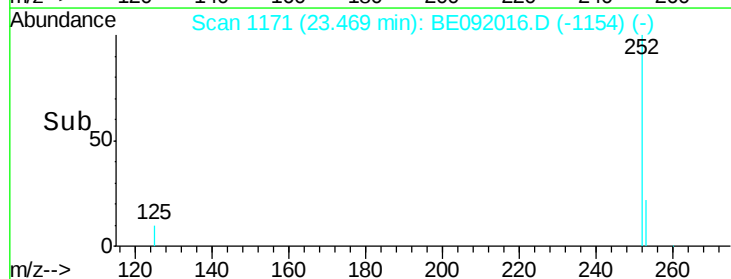
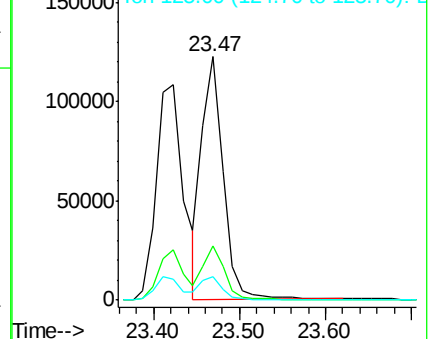
125 9.7 8.3 12.5

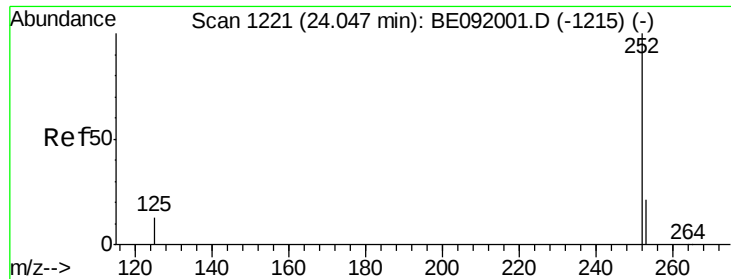


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 4.41 ng

RT: 24.05 min Scan# 1221

Delta R.T. -0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS

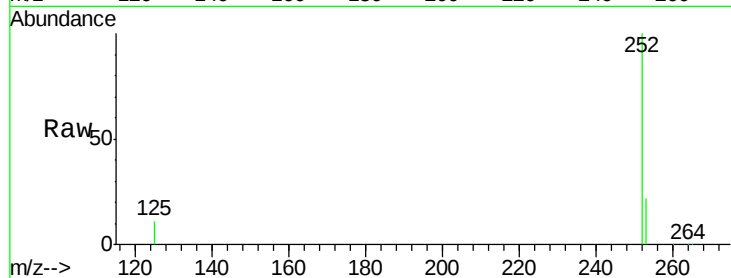
Tgt Ion: 252 Resp: 204859

Ion Ratio Lower Upper

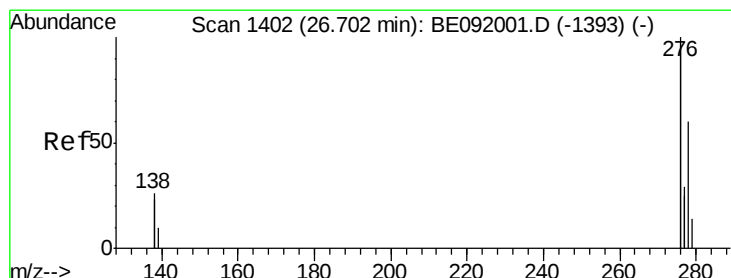
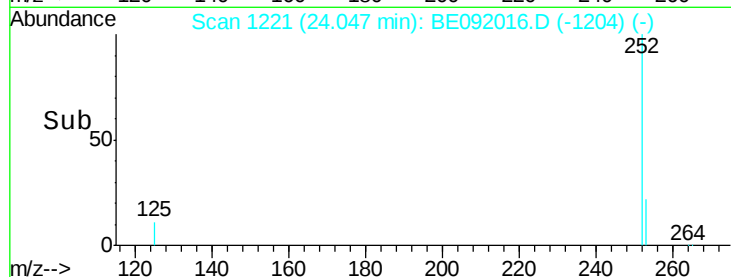
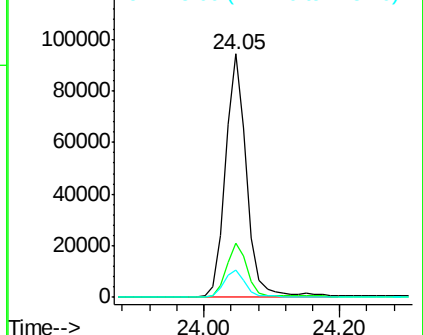
252 100

253 22.1 18.9 28.3

125 11.3 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: 4.62 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE092016.D

Acq: 22 Jul 2016 21:24

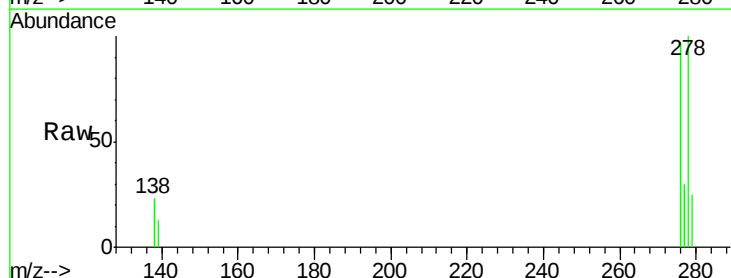
Tgt Ion: 278 Resp: 191480

Ion Ratio Lower Upper

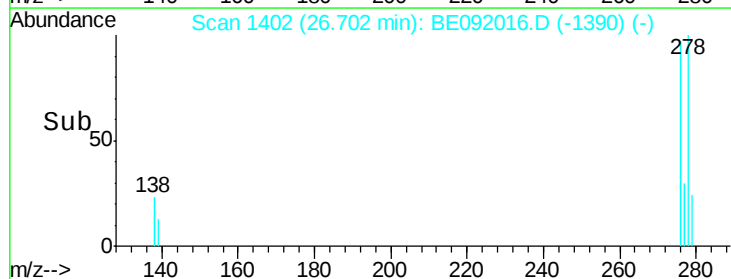
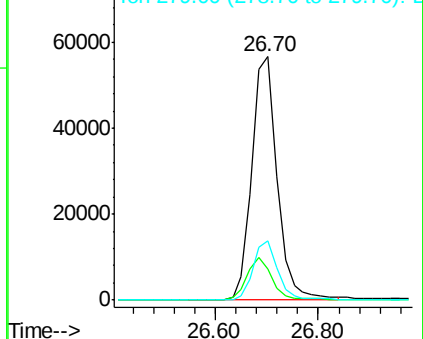
278 100

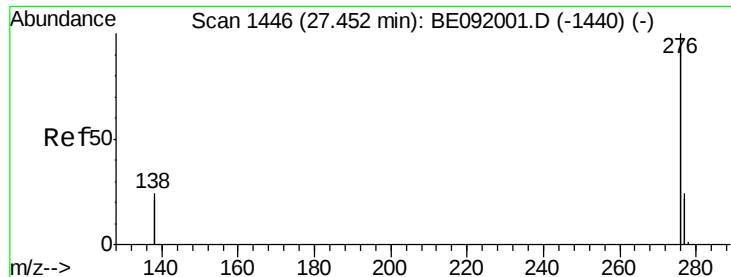
139 12.8 12.6 18.8

279 24.6 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: 4.56 ng

RT: 27.45 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BE092016.D

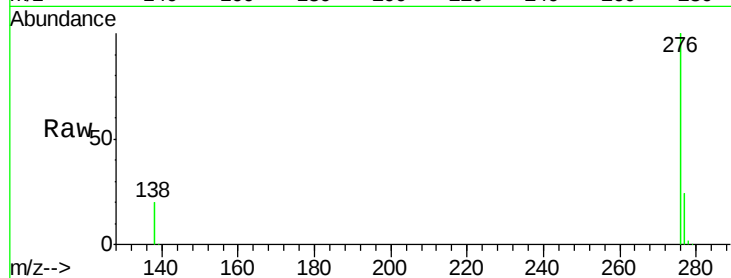
Acq: 22 Jul 2016 21:24

Instrument :

BNA_E

ClientSampleId :

GW-05-5.0-16.0MS



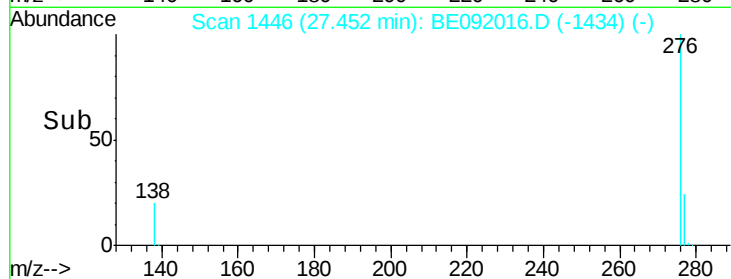
Tgt Ion: 276 Resp: 774042

Ion Ratio Lower Upper

276 100

277 24.1 19.5 29.3

138 20.4 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

