

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011217\
 Data File : BG025500.D
 Acq On : 13 Jan 2017 2:55
 Operator : UM/SJ
 Sample : I1135-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-05

Quant Time: Jan 13 04:58:26 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 11:26:22 2017
 Response via : Initial Calibration

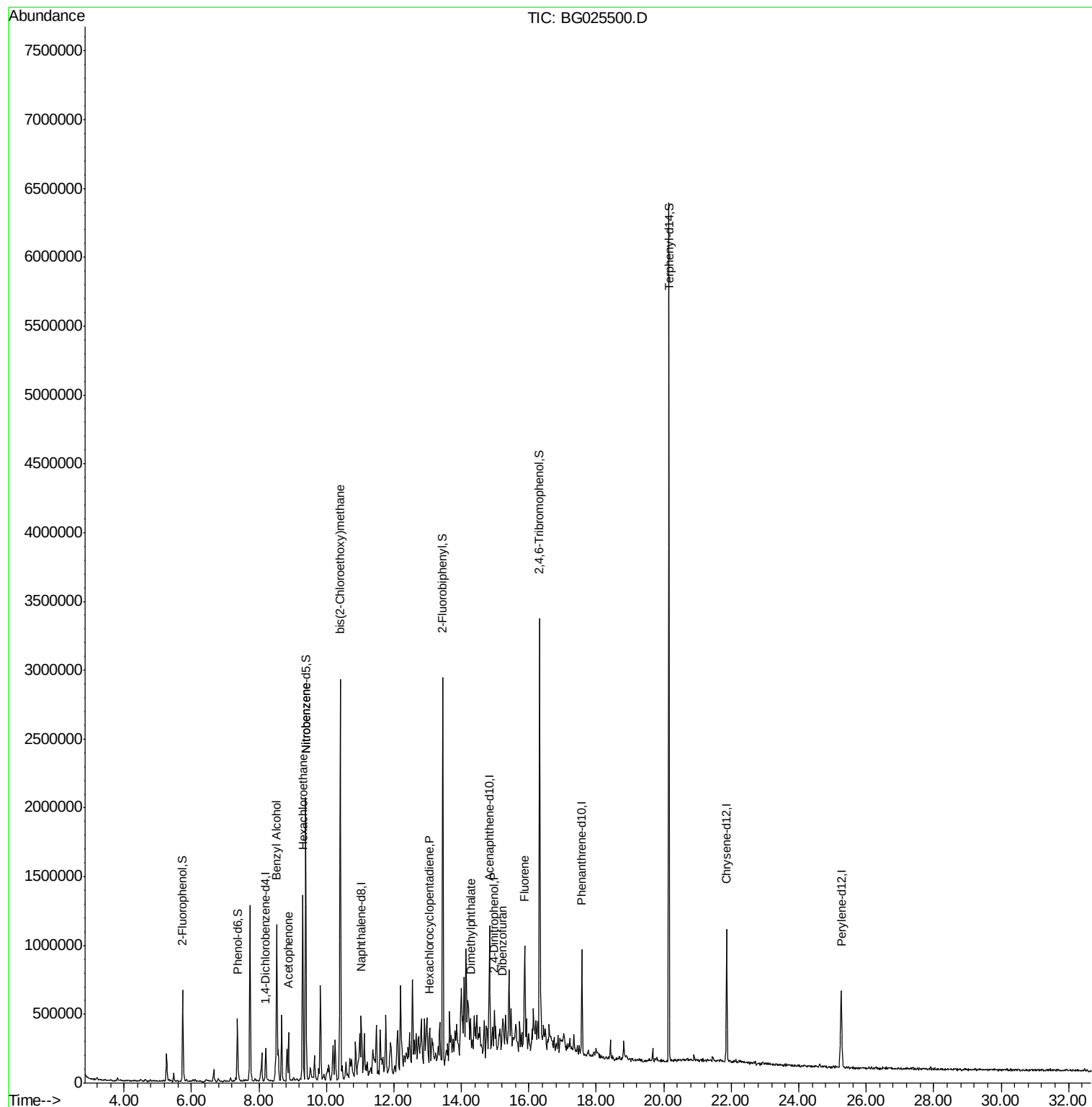
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	62287	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	262128	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	224509	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	471662	20.00	ng	0.00
75) Chrysene-d12	21.86	240	660166	20.00	ng	0.00
86) Perylene-d12	25.26	264	692980	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	268389	78.32	ng	0.00
7) Phenol-d6	7.36	99	249518	51.70	ng	0.00
23) Nitrobenzene-d5	9.39	82	639816	107.83	ng	0.00
41) 2,4,6-Tribromophenol	16.32	330	573233	158.59	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	1372369	98.96	ng	0.00
78) Terphenyl-d14	20.16	244	2527058	101.49	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.53	79	15096	3.28	ng	# 36
18) Hexachloroethane	9.30	117	205962	110.62	ng	# 1
22) Acetophenone	8.88	105	107244	14.73	ng	# 59
24) Nitrobenzene	9.39	77	54169	8.32	ng	# 5
28) bis(2-Chloroethoxy)methane	10.41	93	20879	3.74	ng	# 82
40) Hexachlorocyclopentadiene	13.04	237	55	8.53	ng	# 29
49) Dimethylphthalate	14.27	163	33005	2.02	ng	# 90
53) 2,4-Dinitrophenol	14.97	184	86	5.11	ng	# 1
54) Dibenzofuran	15.22	168	40498	2.14	ng	# 90
57) Fluorene	15.87	166	33729	2.13	ng	# 81

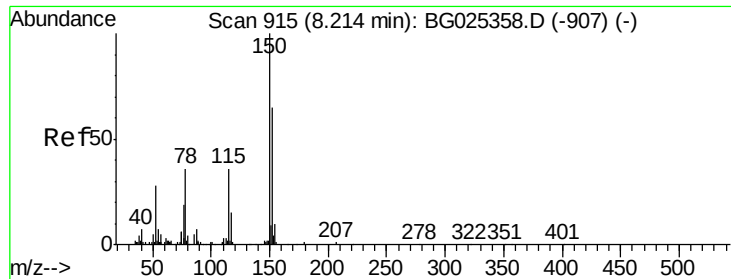
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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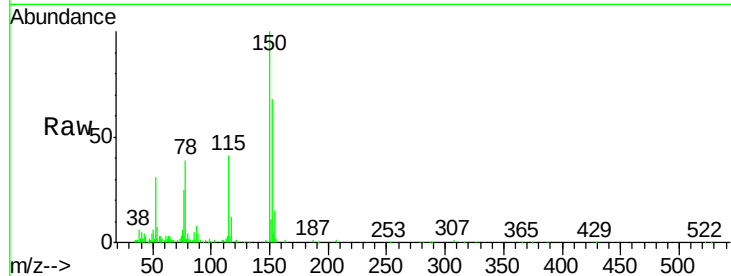


#1

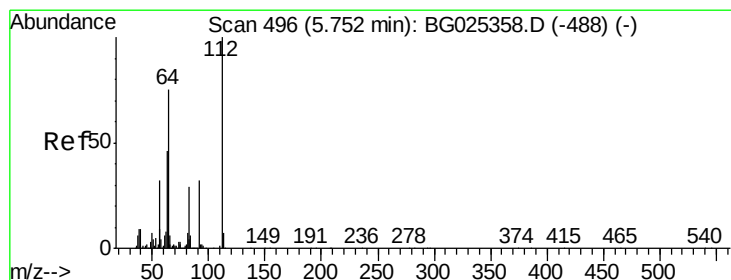
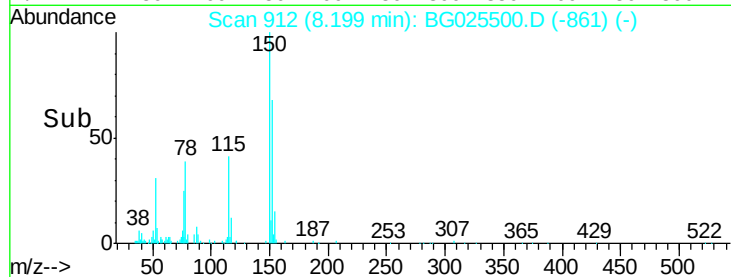
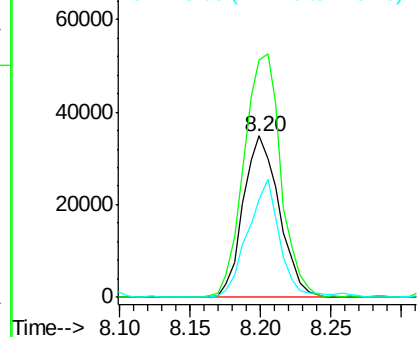
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.20 min Scan# 912
Delta R.T. 0.00 min
Lab File: BG025500.D
Acq: 13 Jan 2017 2:55

Instrument :
BNA_G
ClientSampleId :
W-05

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.2	114.0	171.0
115	60.5	48.1	72.1



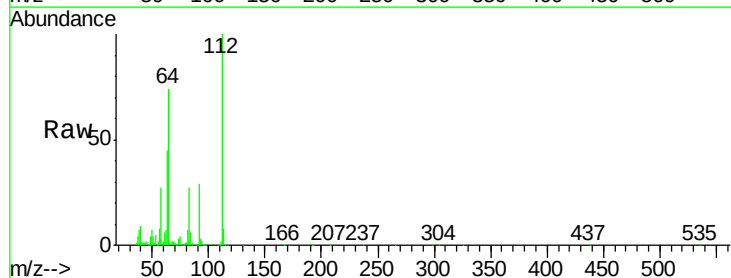
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



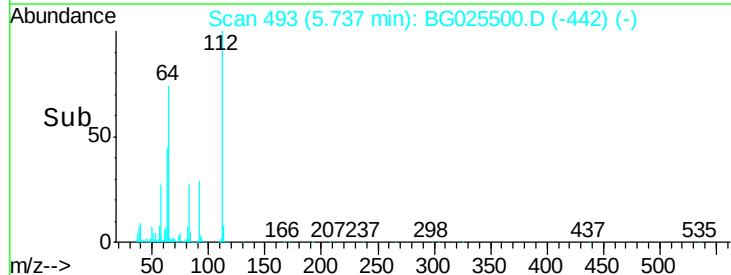
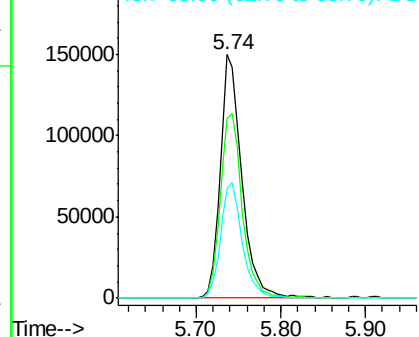
#5

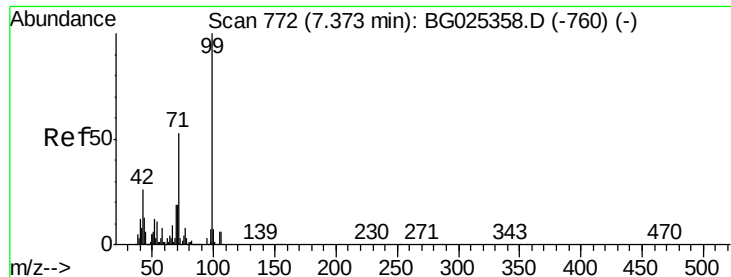
2-Fluorophenol
Concen: 78.32 ng
RT: 5.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: BG025500.D
Acq: 13 Jan 2017 2:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.5	61.8	92.6
63	44.8	37.2	55.8



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





#7

Phenol-d6

Concen: 51.70 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

Instrument :

BNA_G

ClientSampleId :

W-05

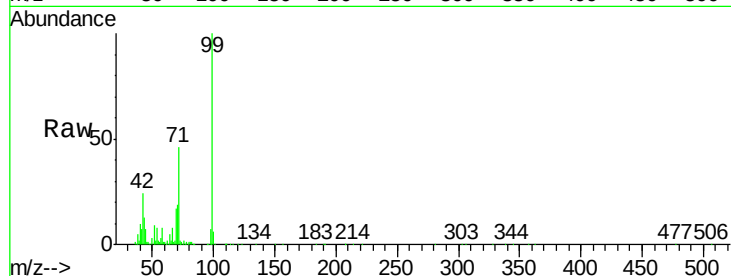
Tgt Ion: 99 Resp: 249518

Ion Ratio Lower Upper

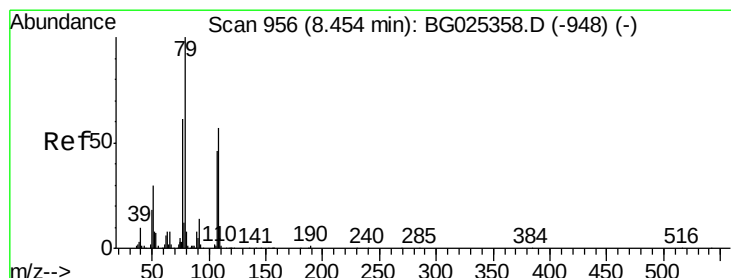
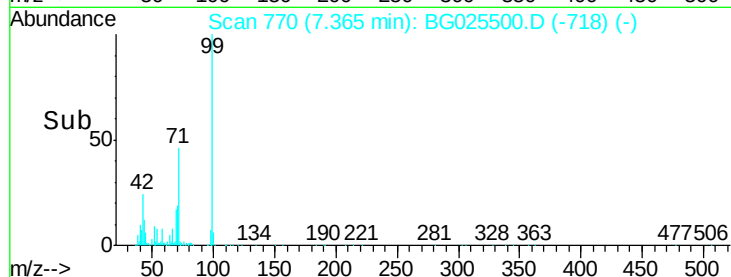
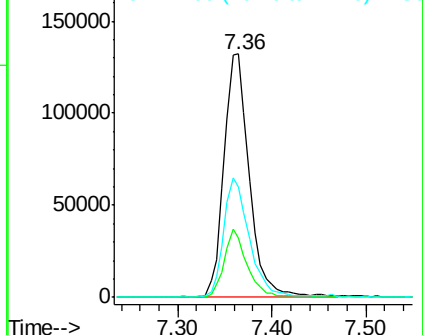
99 100

42 24.2 20.5 30.7

71 45.6 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 3.28 ng

RT: 8.53 min Scan# 968

Delta R.T. 0.08 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

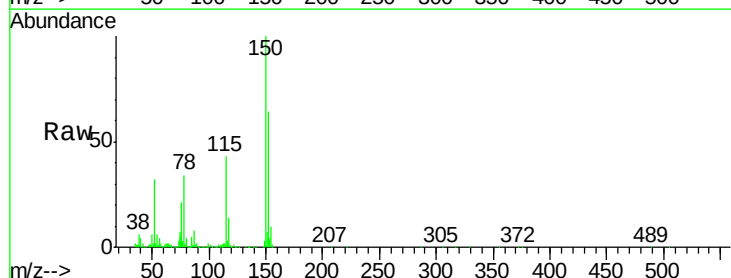
Tgt Ion: 79 Resp: 15096

Ion Ratio Lower Upper

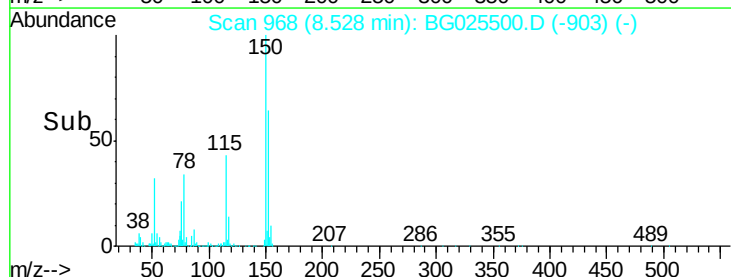
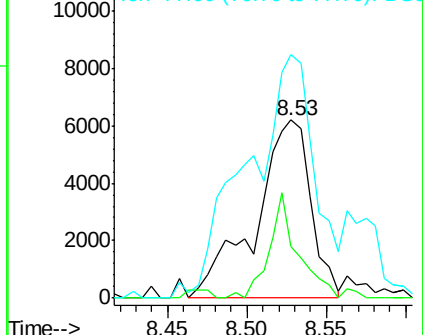
79 100

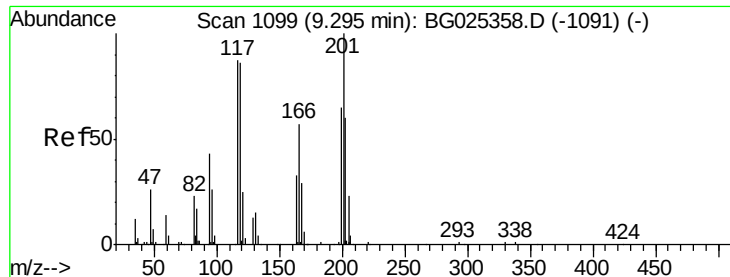
108 29.3 45.5 68.3#

77 137.0 54.3 81.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

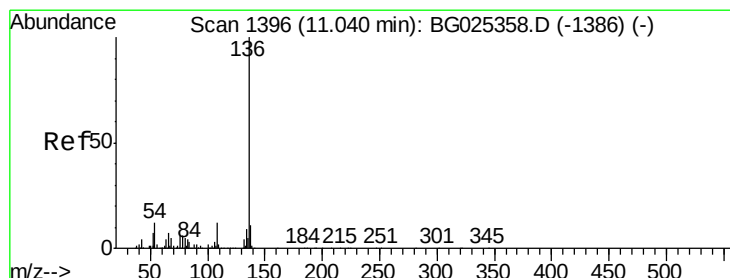
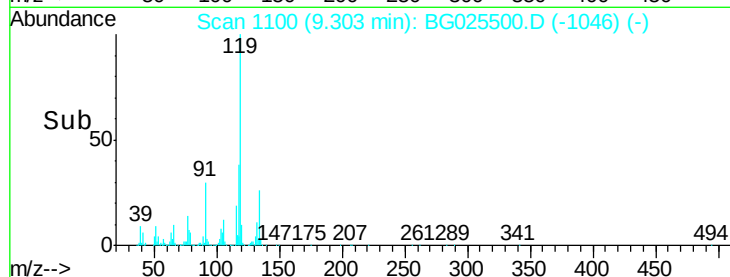
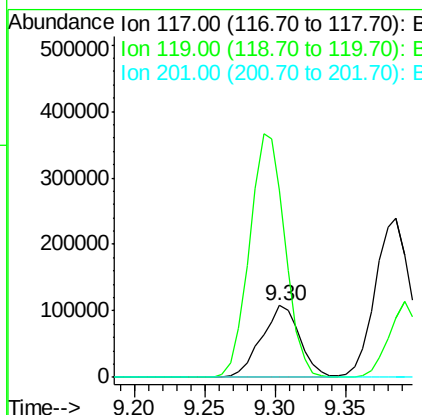
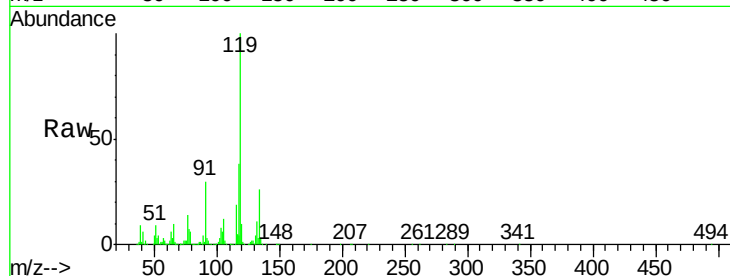




#18
Hexachloroethane
Concen: 110.62 ng
RT: 9.30 min Scan# 1100
Delta R.T. 0.02 min
Lab File: BG025500.D
Acq: 13 Jan 2017 2:55

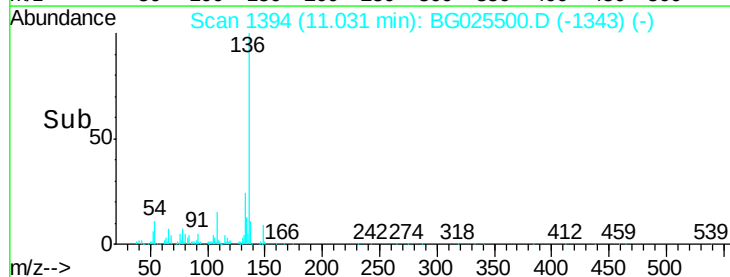
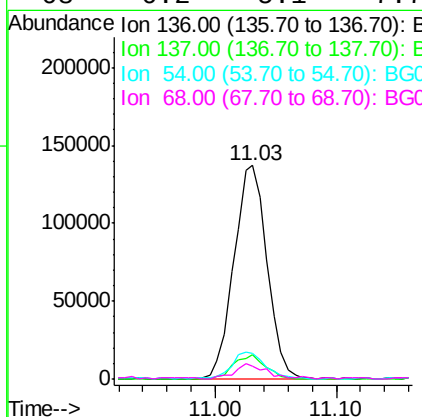
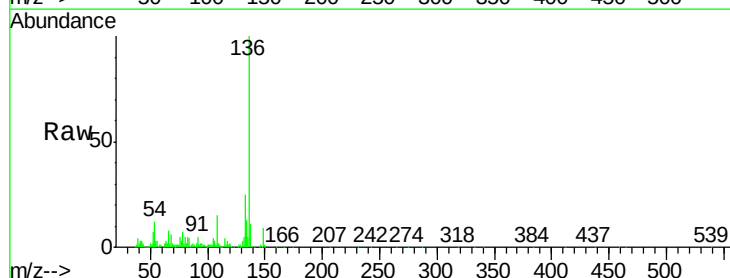
Instrument :
BNA_G
ClientSampleId :
W-05

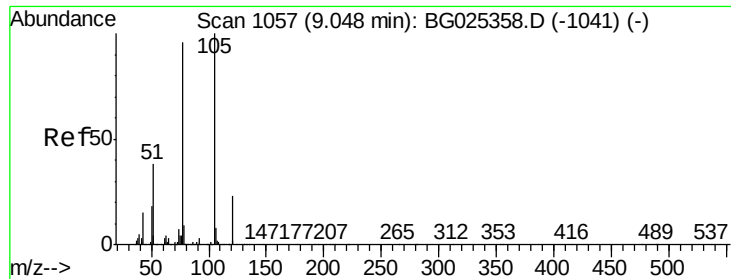
Tgt Ion:117 Resp: 205962
Ion Ratio Lower Upper
117 100
119 260.7 69.8 104.6#
201 0.0 95.4 143.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG025500.D
Acq: 13 Jan 2017 2:55

Tgt Ion:136 Resp: 262128
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 12.1 9.3 13.9
68 6.2 5.1 7.7





#22

Acetophenone

Concen: 14.73 ng

RT: 8.88 min Scan# 1028

Delta R.T. -0.15 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

Instrument :

BNA_G

ClientSampleId :

W-05

Tgt Ion: 105 Resp: 107244

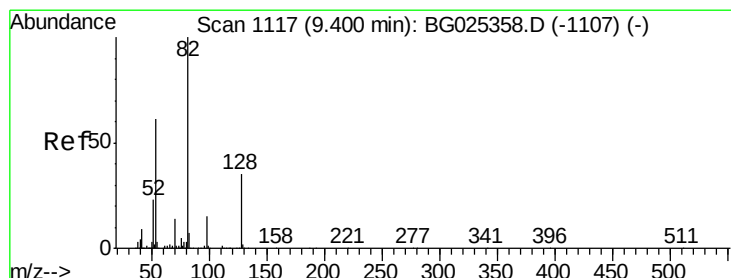
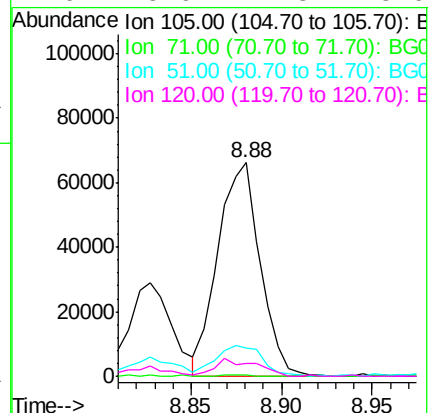
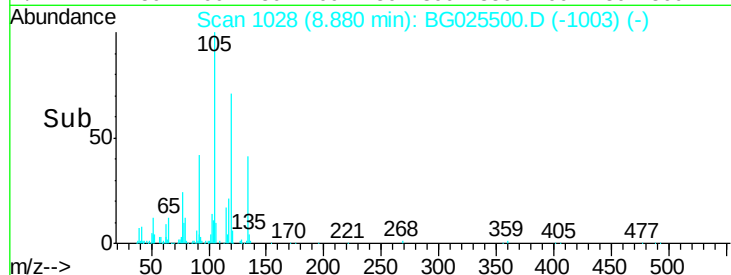
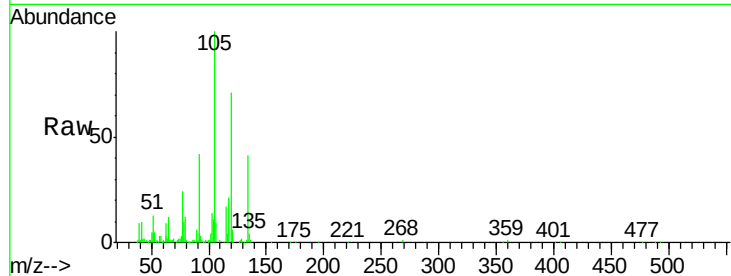
Ion Ratio Lower Upper

105 100

71 0.5 0.9 1.3#

51 13.0 34.0 51.0#

120 5.9 17.3 25.9#



#23

Nitrobenzene-d5

Concen: 107.83 ng

RT: 9.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

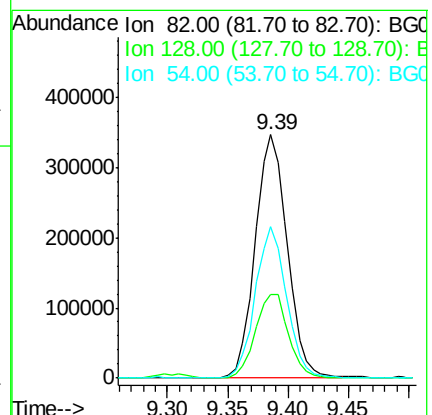
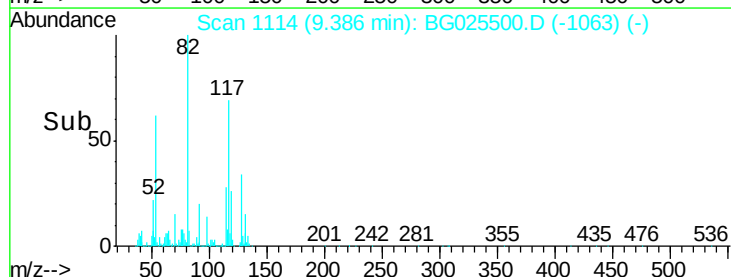
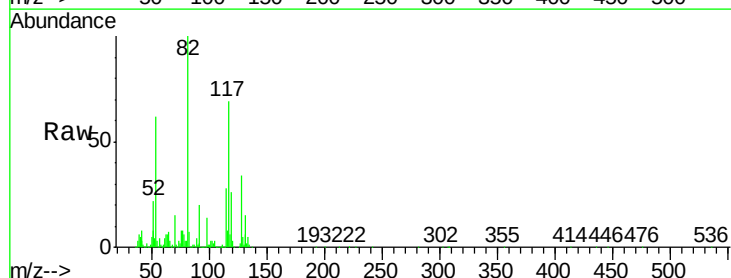
Tgt Ion: 82 Resp: 639816

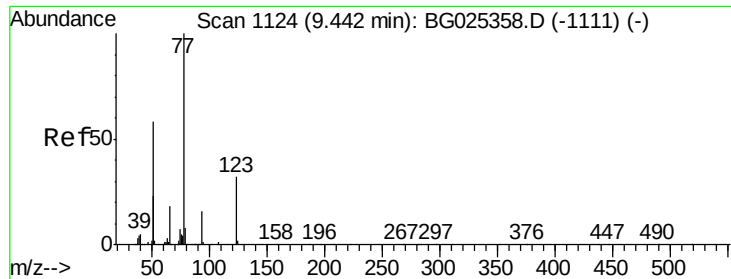
Ion Ratio Lower Upper

82 100

128 34.3 26.4 39.6

54 62.2 49.4 74.2

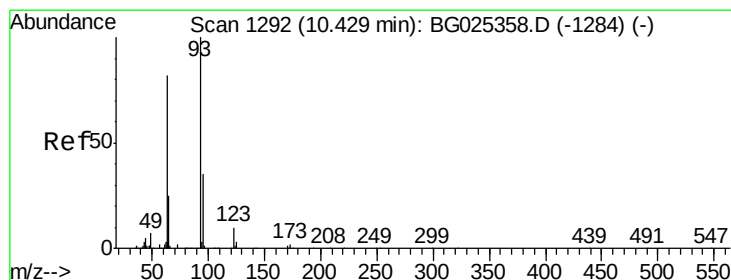
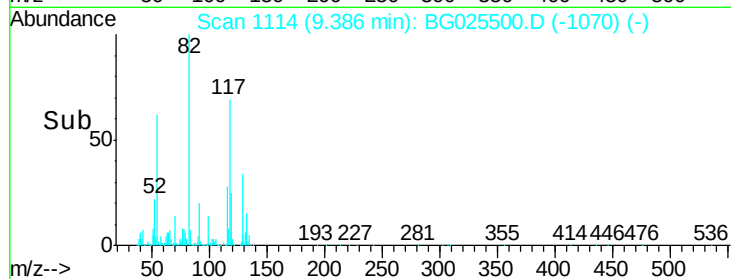
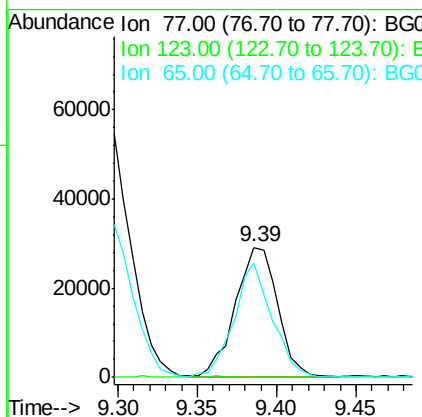
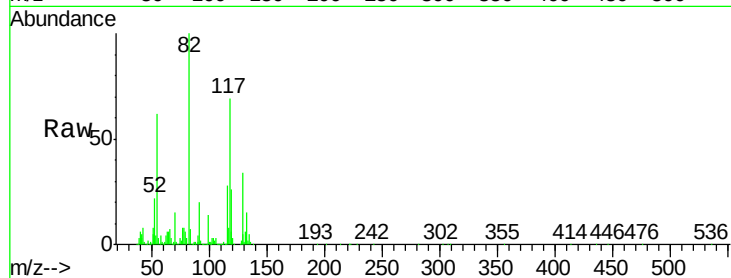




#24
 Nitrobenzene
 Concen: 8.32 ng
 RT: 9.39 min Scan# 1114
 Delta R.T. -0.04 min
 Lab File: BG025500.D
 Acq: 13 Jan 2017 2:55

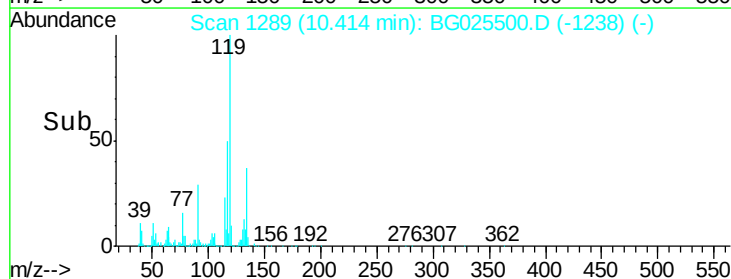
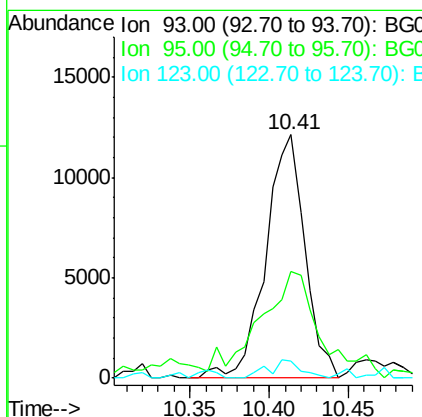
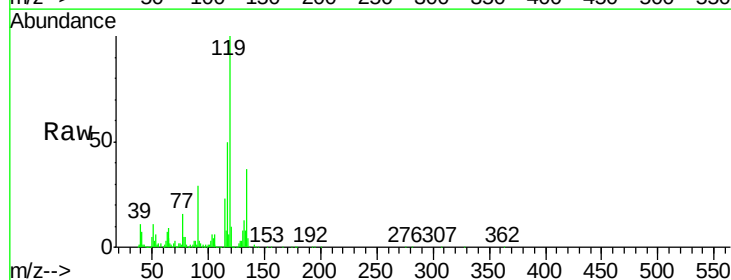
Instrument :
 BNA_G
 ClientSampleId :
 W-05

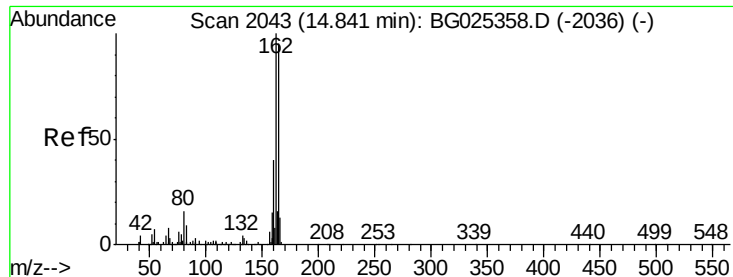
Tgt Ion: 77 Resp: 54169
 Ion Ratio Lower Upper
 77 100
 123 0.0 26.1 39.1#
 65 87.8 12.4 18.6#



#28
 bis(2-Chloroethoxy)methane
 Concen: 3.74 ng
 RT: 10.41 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: BG025500.D
 Acq: 13 Jan 2017 2:55

Tgt Ion: 93 Resp: 20879
 Ion Ratio Lower Upper
 93 100
 95 43.7 25.7 38.5#
 123 7.2 8.3 12.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.83 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

Instrument :

BNA_G

ClientSampleId :

W-05

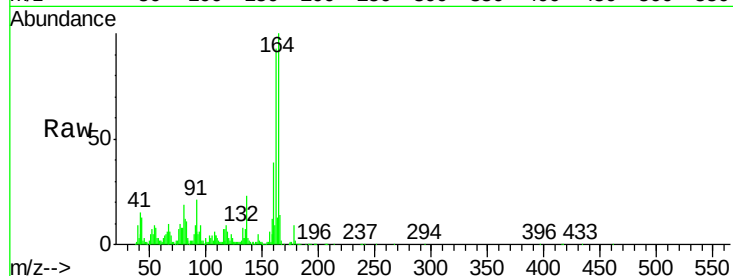
Tgt Ion:164 Resp: 224509

Ion Ratio Lower Upper

164 100

162 92.9 85.1 127.7

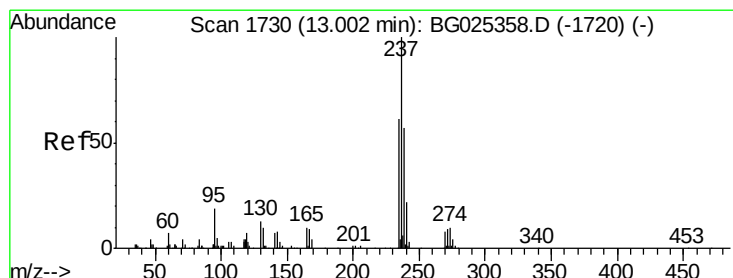
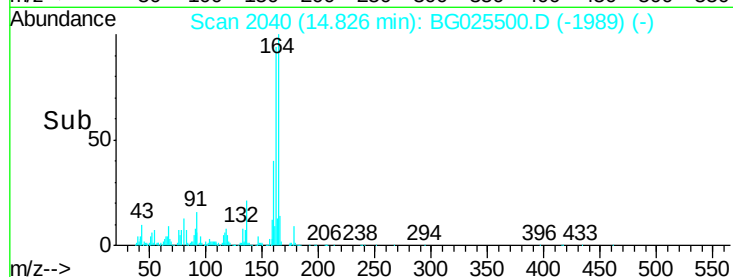
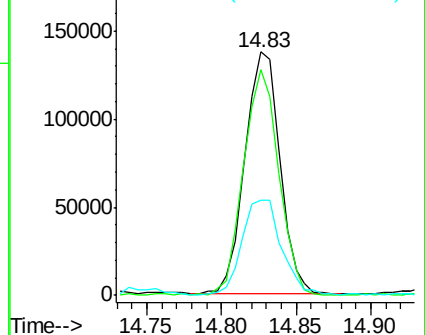
160 39.2 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

Hexachlorocyclopentadiene

Concen: 8.53 ng

RT: 13.04 min Scan# 1736

Delta R.T. 0.05 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

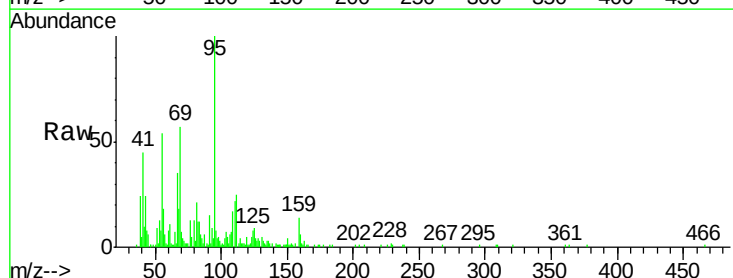
Tgt Ion:237 Resp: 55

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

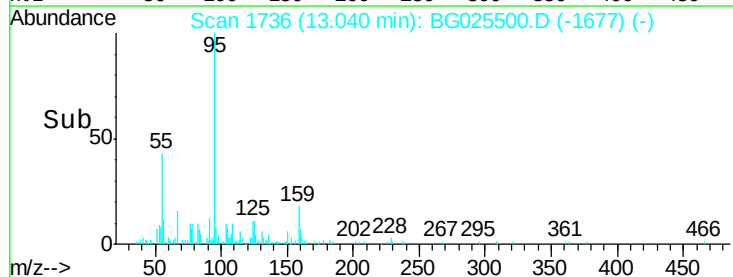
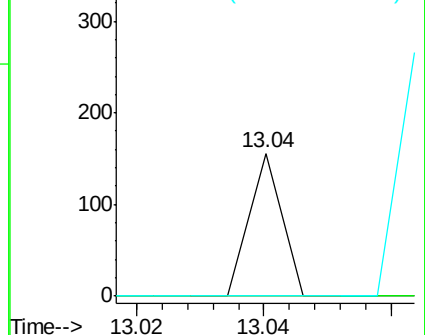
272 0.0 0.0 32.0

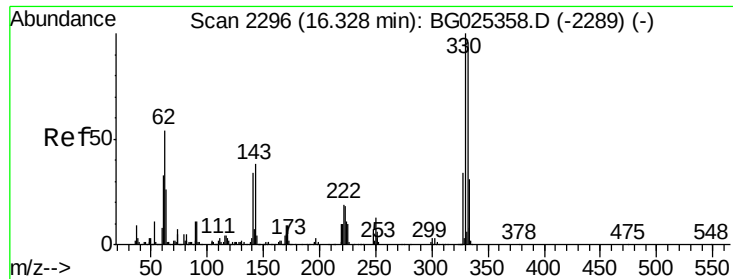


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 158.59 ng

RT: 16.32 min Scan# 2294

Delta R.T. 0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

Instrument :

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ClientSampleId :

W-05

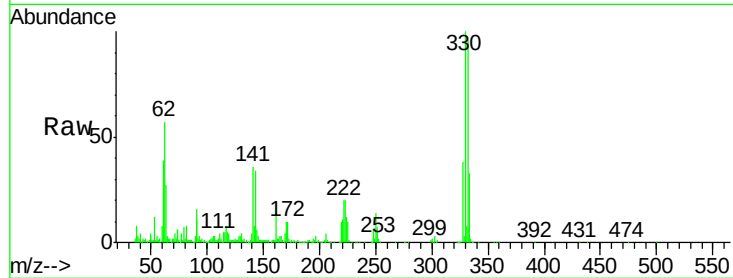
Tgt Ion:330 Resp: 573233

Ion Ratio Lower Upper

330 100

332 94.9 77.3 115.9

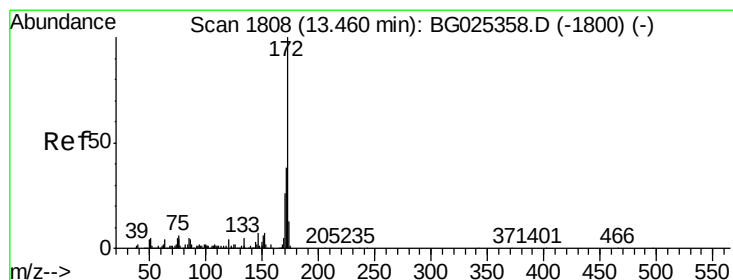
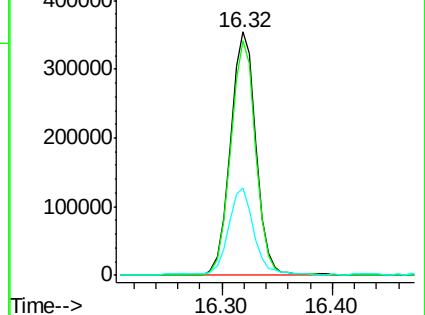
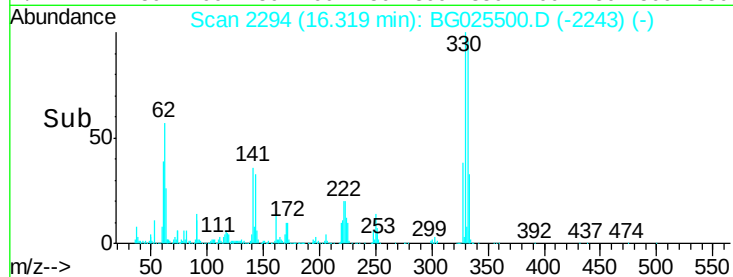
141 35.2 32.1 48.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 98.96 ng

RT: 13.45 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

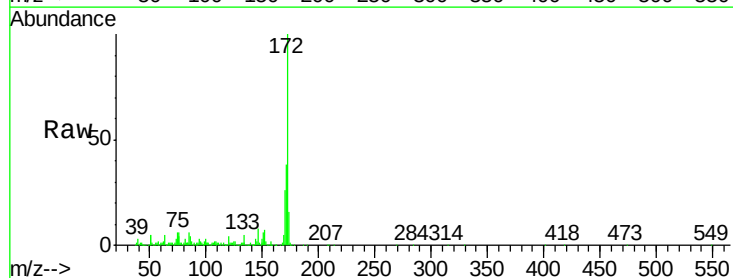
Tgt Ion:172 Resp: 1372369

Ion Ratio Lower Upper

172 100

171 38.5 32.2 48.2

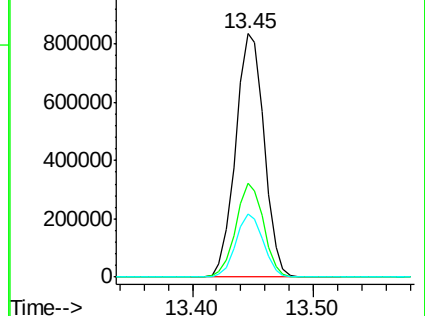
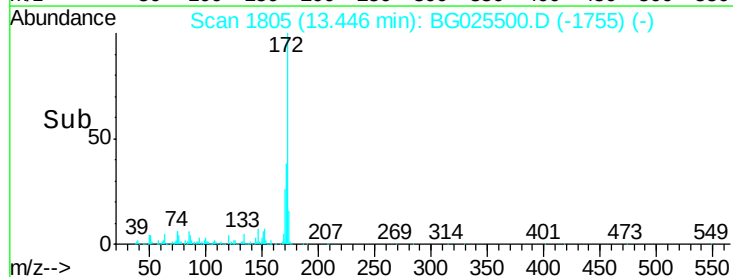
170 25.7 21.8 32.6

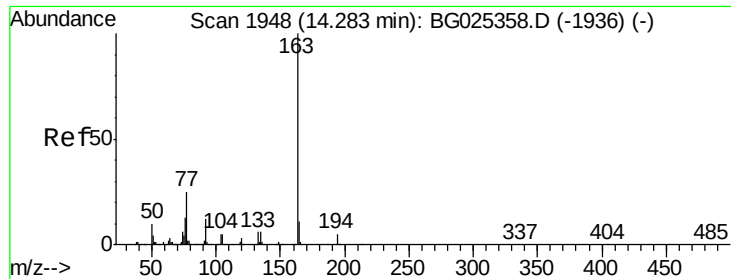


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.02 ng

RT: 14.27 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

Instrument :

BNA_G

ClientSampled :

W-05

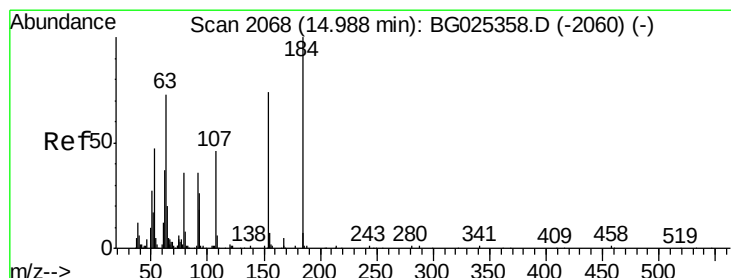
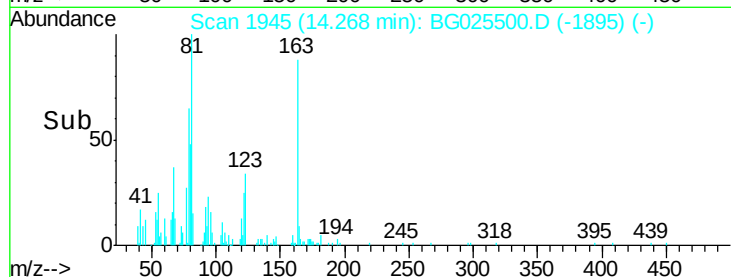
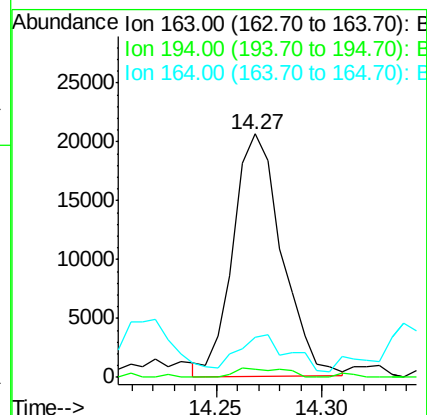
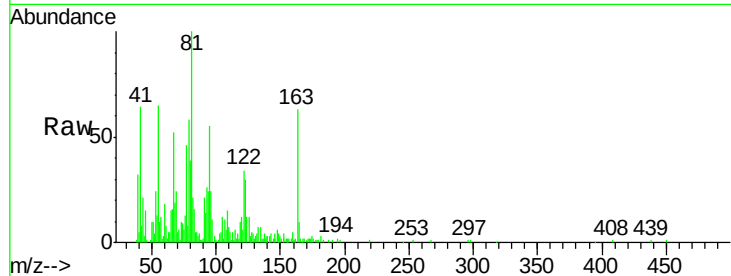
Tgt Ion:163 Resp: 33005

Ion Ratio Lower Upper

163 100

194 3.2 3.8 5.6#

164 16.5 9.3 13.9#



#53

2,4-Dinitrophenol

Concen: 5.11 ng

RT: 14.97 min Scan# 2064

Delta R.T. -0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

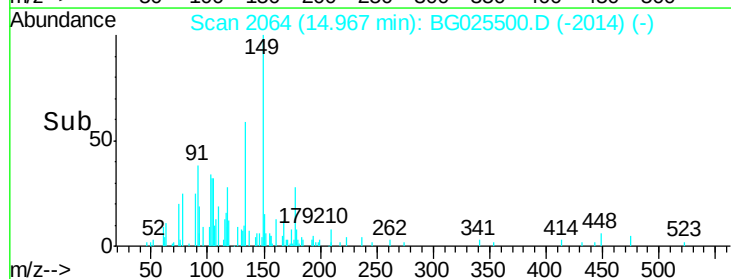
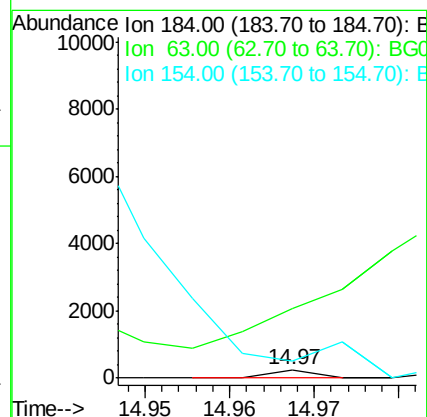
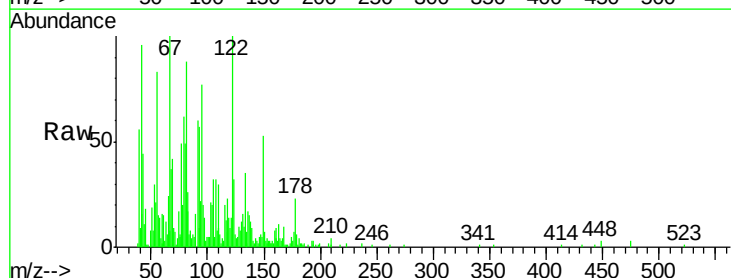
Tgt Ion:184 Resp: 86

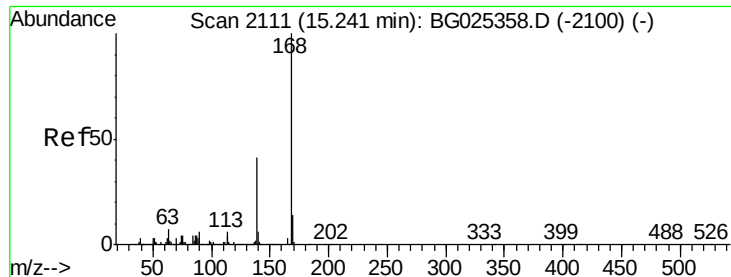
Ion Ratio Lower Upper

184 100

63 847.3 52.7 79.1#

154 205.7 57.3 85.9#





#54

Dibenzenofuran

Concen: 2.14 ng

RT: 15.22 min Scan# 2107

Delta R.T. -0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

Instrument :

BNA_G

ClientSampleId :

W-05

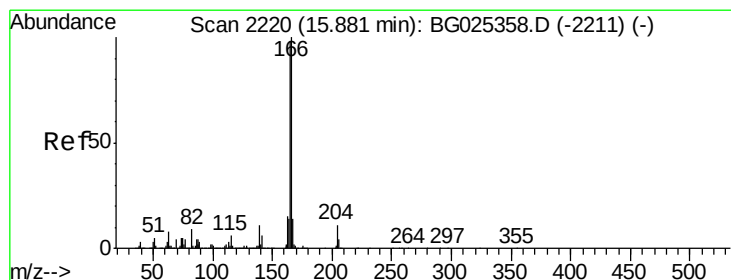
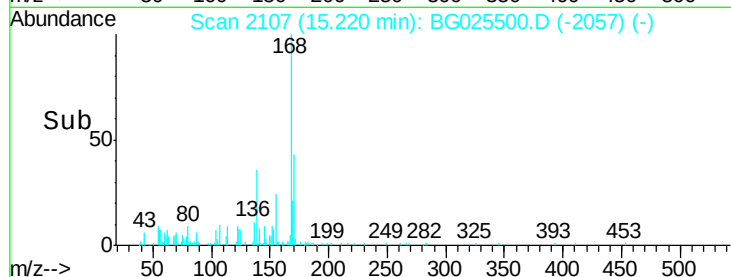
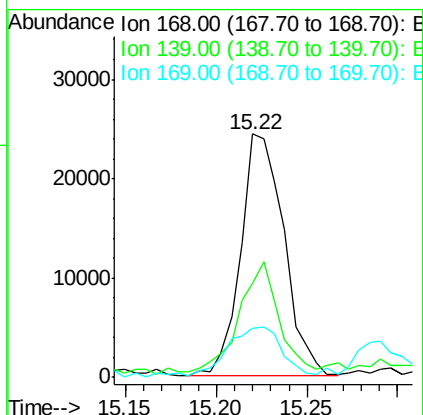
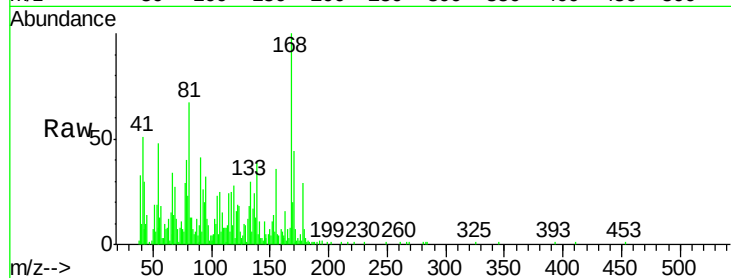
Tgt Ion:168 Resp: 40498

Ion Ratio Lower Upper

168 100

139 38.7 35.3 52.9

169 20.2 11.5 17.3#



#57

Fluorene

Concen: 2.13 ng

RT: 15.87 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

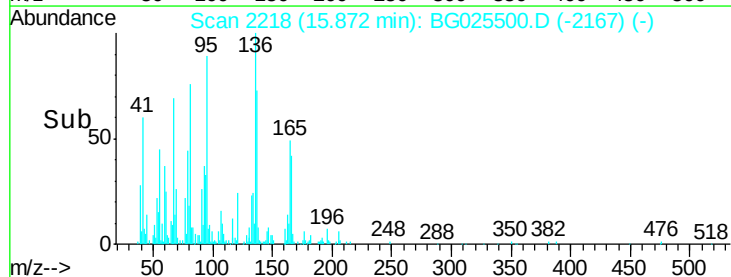
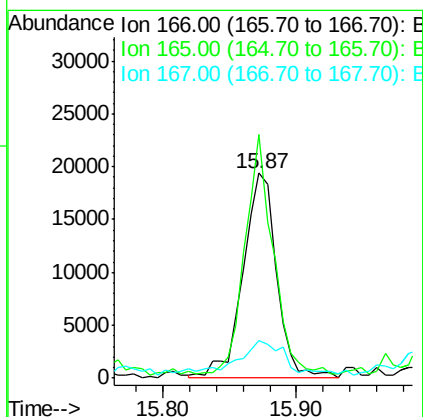
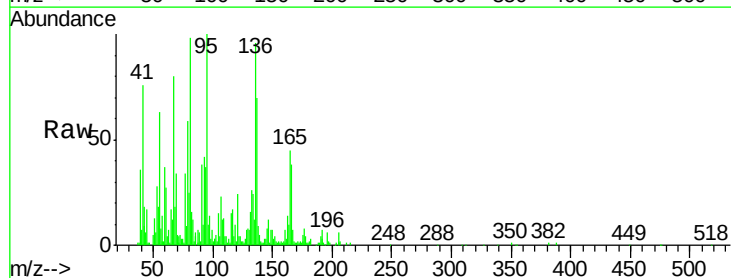
Tgt Ion:166 Resp: 33729

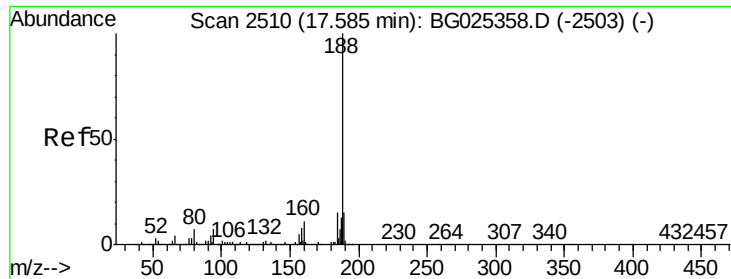
Ion Ratio Lower Upper

166 100

165 118.7 78.6 117.8#

167 18.2 11.6 17.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.58 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

Instrument :

BNA_G

ClientSampleId :

W-05

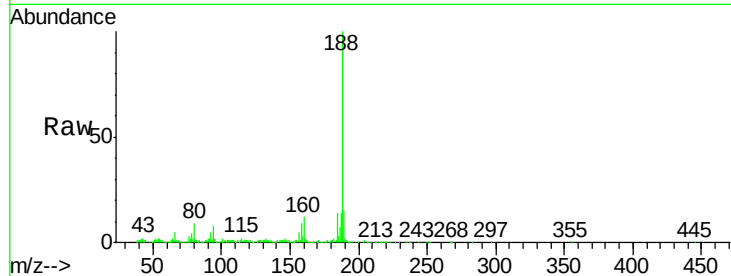
Tgt Ion:188 Resp: 471662

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.8

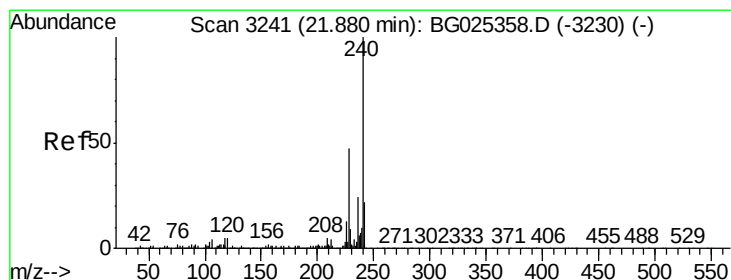
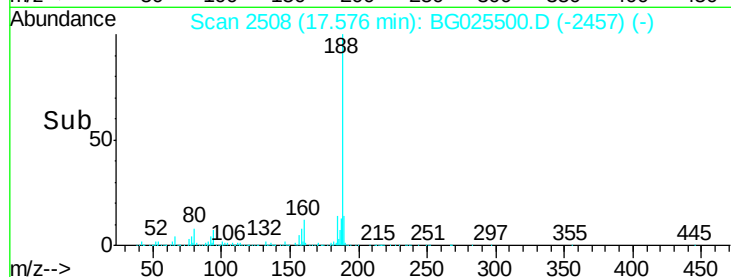
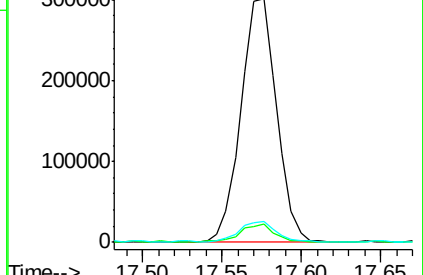
80 8.6 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

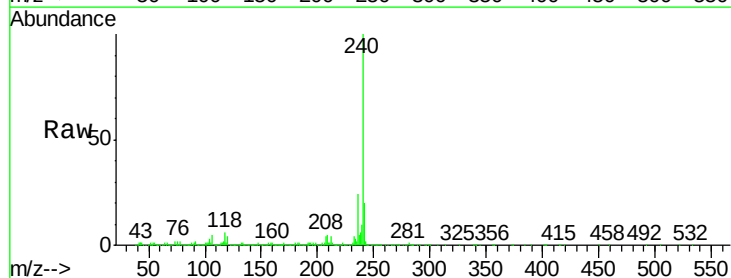
Tgt Ion:240 Resp: 660166

Ion Ratio Lower Upper

240 100

120 4.5 5.7 8.5#

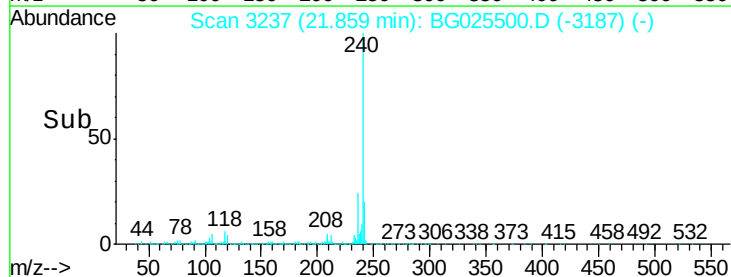
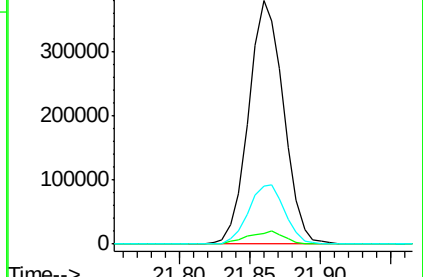
236 24.0 22.2 33.4

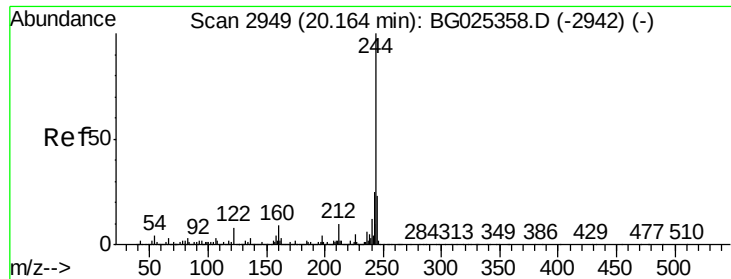


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 101.49 ng

RT: 20.16 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

Instrument :

BNA_G

ClientSampleId :

W-05

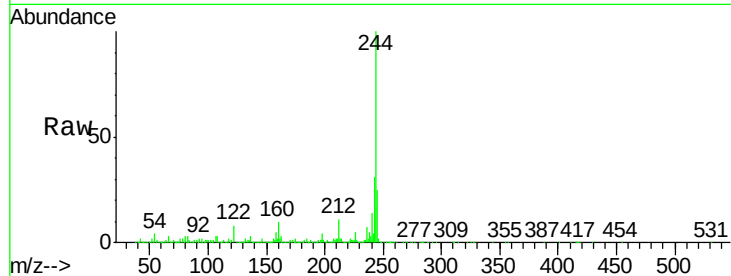
Tgt Ion:244 Resp: 2527058

Ion Ratio Lower Upper

244 100

212 11.1 10.0 15.0

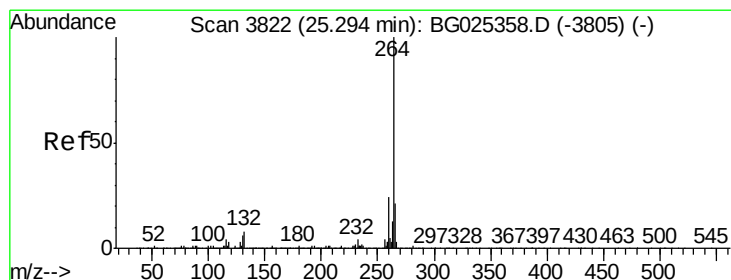
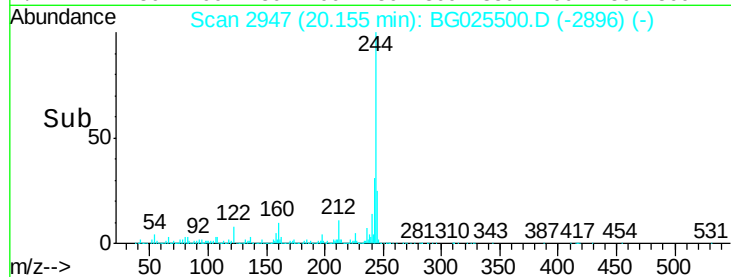
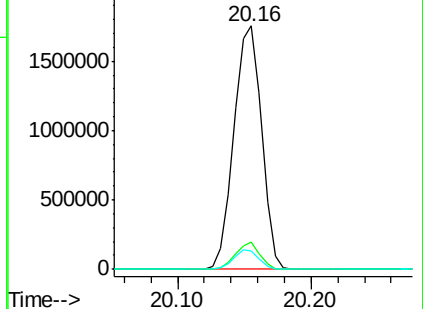
122 7.7 8.6 12.8#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.26 min Scan# 3815

Delta R.T. -0.01 min

Lab File: BG025500.D

Acq: 13 Jan 2017 2:55

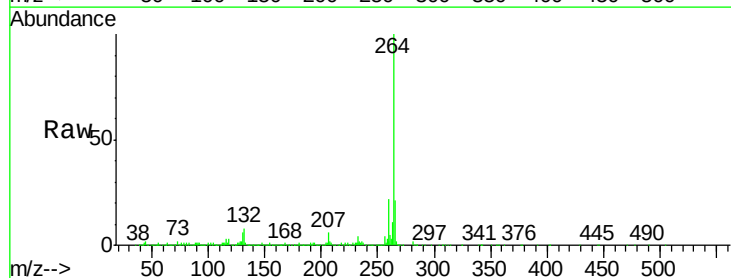
Tgt Ion:264 Resp: 692980

Ion Ratio Lower Upper

264 100

260 22.2 21.8 32.8

265 21.4 18.2 27.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

