

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062617\
 Data File : BG027681.D
 Acq On : 26 Jun 2017 19:10
 Operator : SJ/JU
 Sample : I3874-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 27 01:28:14 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 18:52:15 2017
 Response via : Initial Calibration

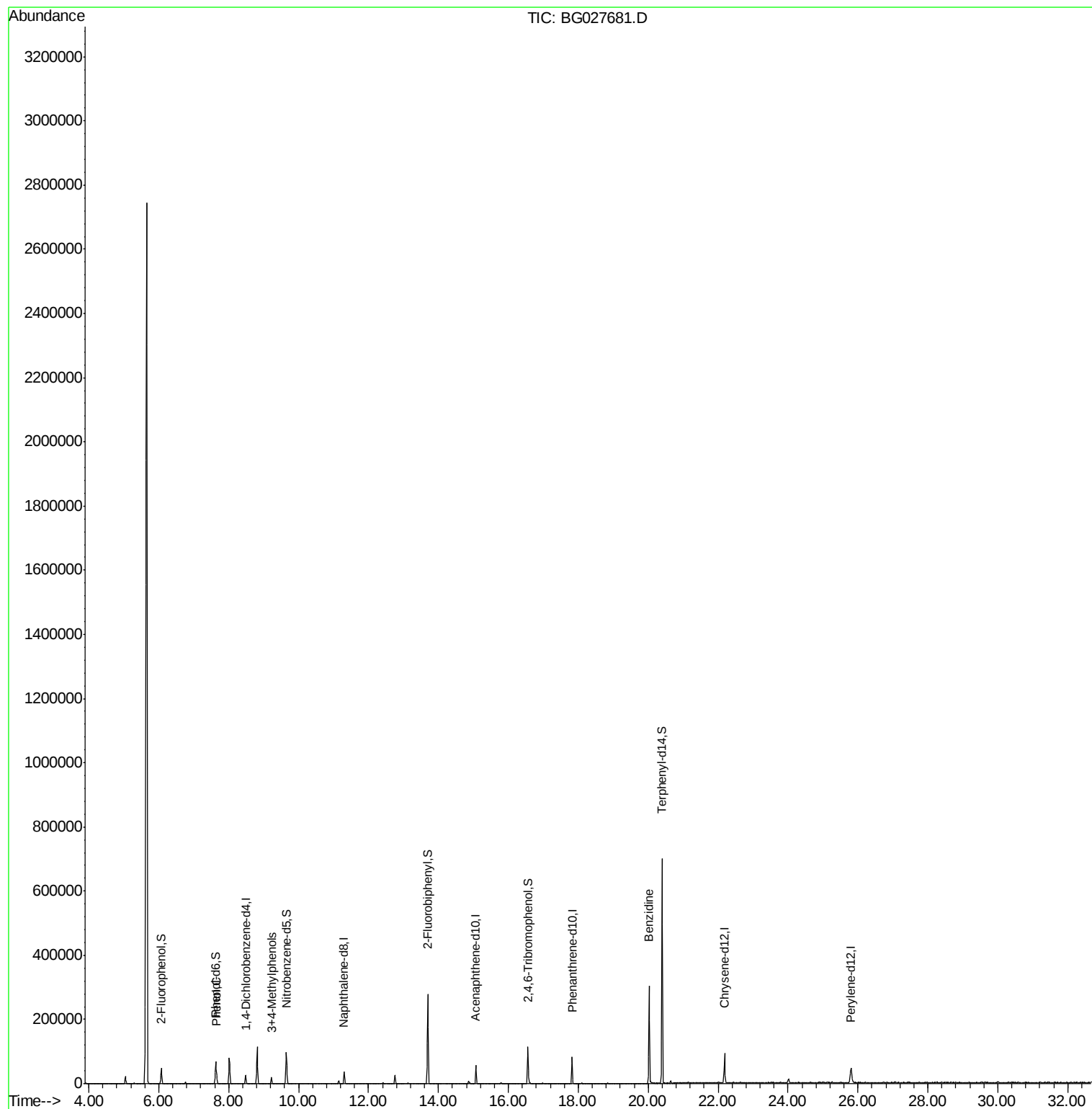
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.49	152	7498	20.00	ng	-0.02
21) Naphthalene-d8	11.30	136	31760	20.00	ng	-0.02
38) Acenaphthene-d10	15.08	164	18482	20.00	ng	-0.02
63) Phenanthrene-d10	17.82	188	53706	20.00	ng	-0.02
75) Chrysene-d12	22.18	240	60899	20.00	ng	-0.03
86) Perylene-d12	25.80	264	59191	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	6.08	112	20274	38.48	ng	0.00
7) Phenol-d6	7.63	99	37054	47.51	ng	-0.02
23) Nitrobenzene-d5	9.65	82	61685	91.90	ng	-0.02
41) 2,4,6-Tribromophenol	16.56	330	25188	91.41	ng	-0.02
44) 2-Fluorobiphenyl	13.69	172	139084	102.80	ng	-0.02
78) Terphenyl-d14	20.40	244	301272	116.56	ng	-0.02
Target Compounds						
10) Phenol	7.65	94	14268	17.96	ng	96
20) 3+4-Methylphenols	9.22	107	9994	13.06	ng	82
76) Benzidine	20.02	184	170906	114.34	ng	97

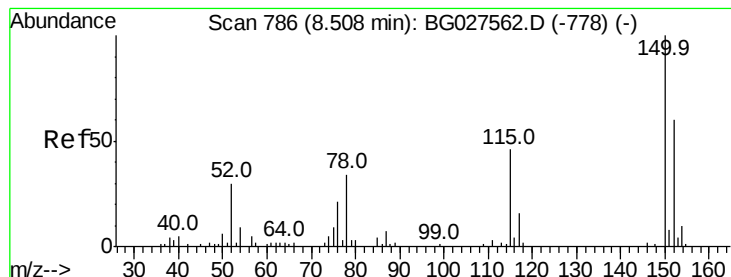
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.49 min Scan# 783

Delta R.T. -0.02 min

Lab File: BG027681.D

Acq: 26 Jun 2017 19:10

Instrument :

BNA_G

ClientSampled :

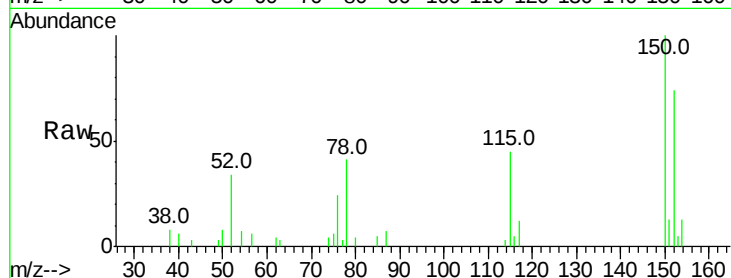
Tot Ion:152 Resp: 7498

Ion Ratio Lower Upper

152 100

150 135.1 114.0 171.0

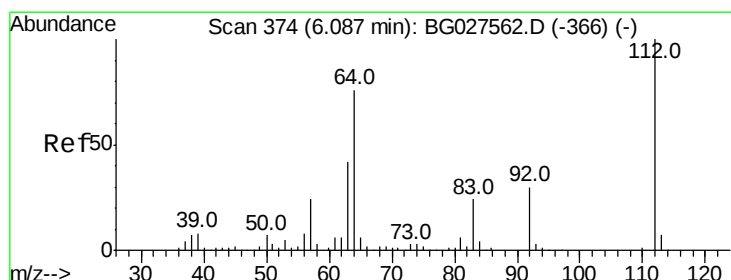
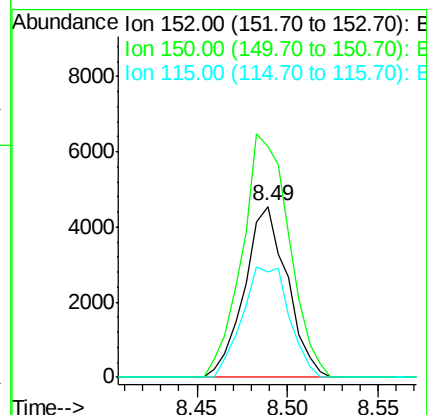
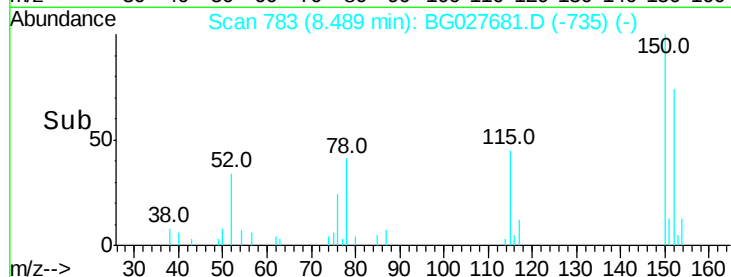
115 61.5 48.1 72.1



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: 38.48 ng

RT: 6.08 min Scan# 373

Delta R.T. -0.01 min

Lab File: BG027681.D

Acq: 26 Jun 2017 19:10

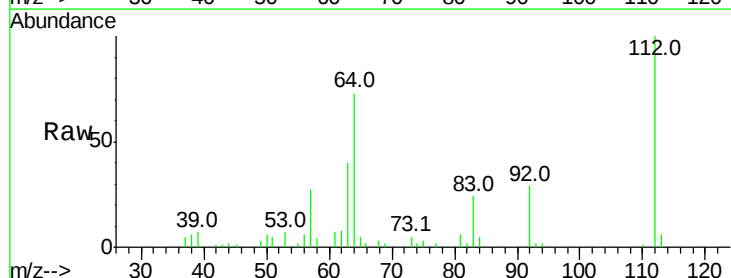
Tgt Ion:112 Resp: 20274

Ion Ratio Lower Upper

112 100

64 73.5 61.8 92.6

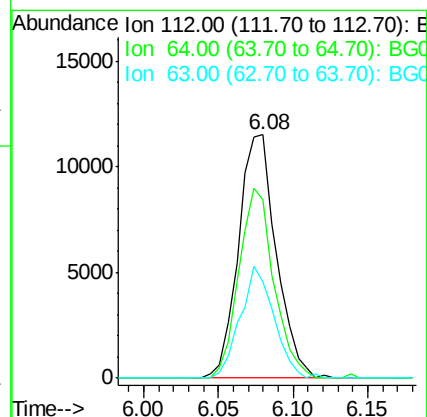
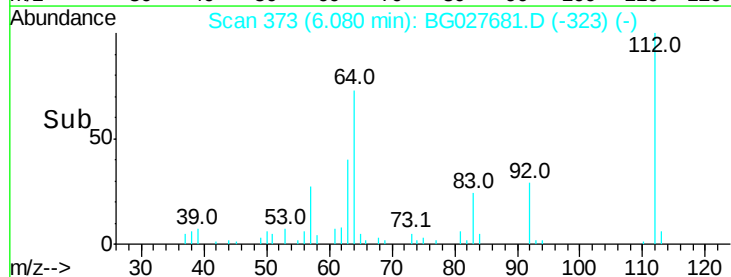
63 39.6 37.2 55.8

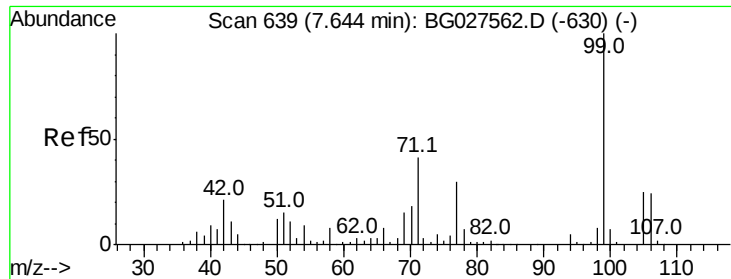


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 47.51 ng

RT: 7.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BG027681.D

Acq: 26 Jun 2017 19:10

Instrument :

BNA_G

ClientSampleId :

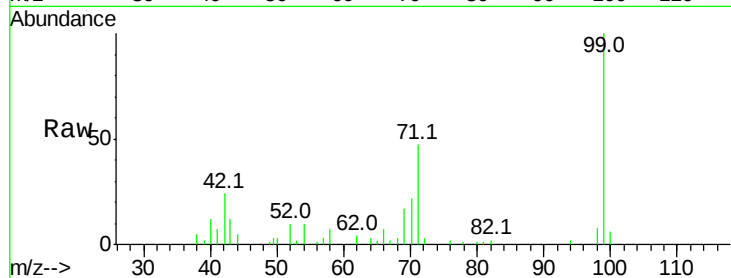
Tot Ion: 99 Resp: 37054

Ion Ratio Lower Upper

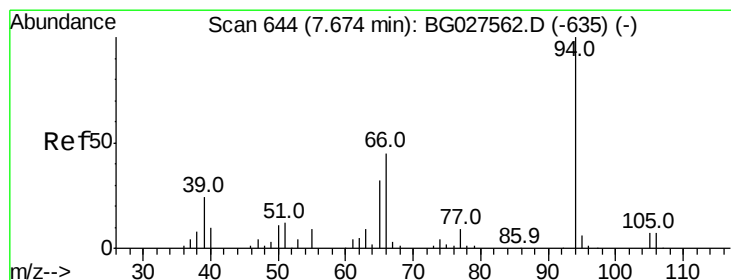
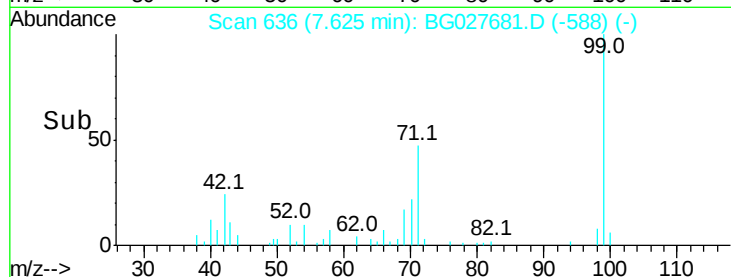
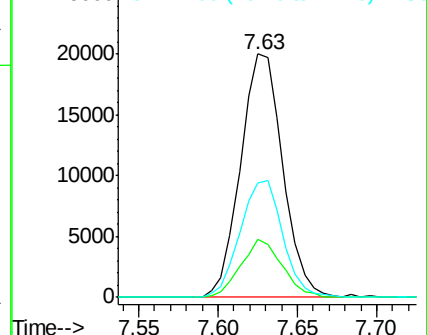
99 100

42 23.9 20.5 30.7

71 46.8 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



#10

Phenol

Concen: 17.96 ng

RT: 7.65 min Scan# 641

Delta R.T. -0.02 min

Lab File: BG027681.D

Acq: 26 Jun 2017 19:10

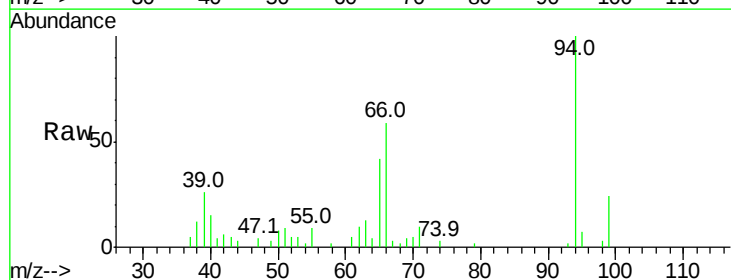
Tgt Ion: 94 Resp: 14268

Ion Ratio Lower Upper

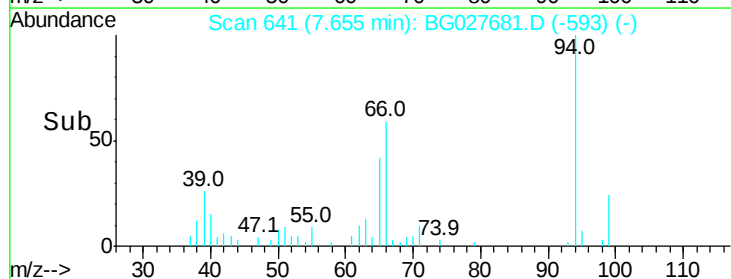
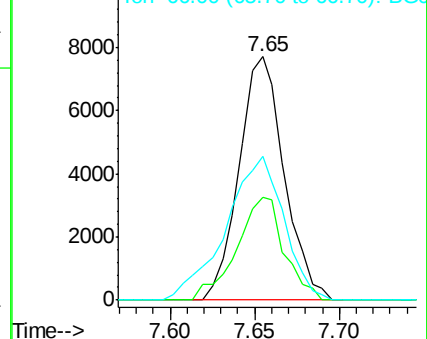
94 100

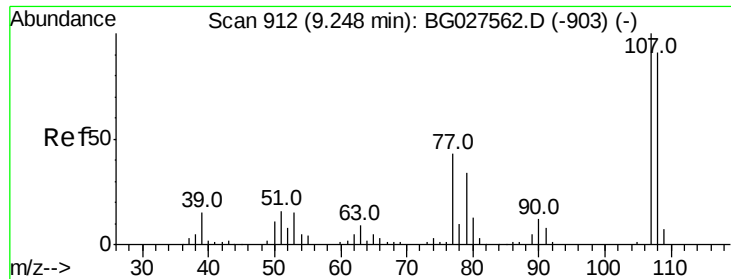
65 42.1 20.6 60.6

66 58.8 35.5 75.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

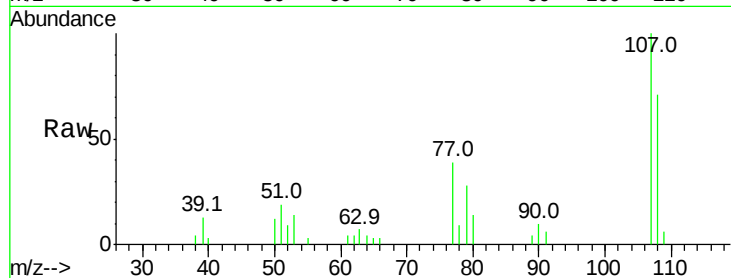




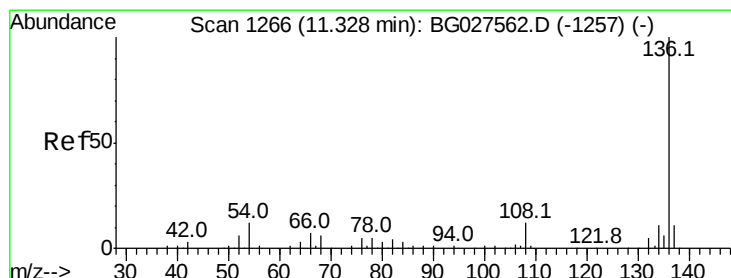
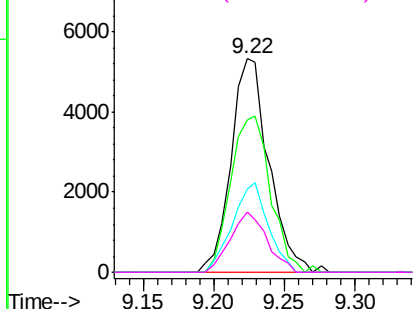
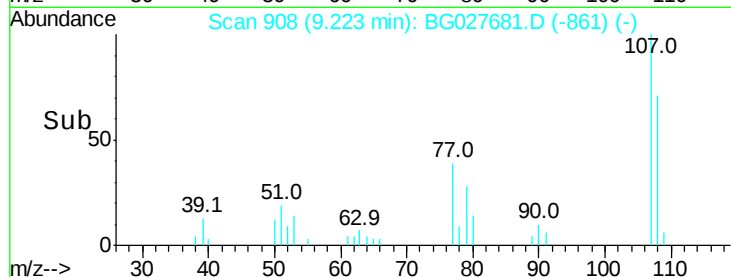
#20
3+4-Methylphenols
Concen: 13.06 ng
RT: 9.22 min Scan# 908
Delta R.T. -0.02 min
Lab File: BG027681.D
Acq: 26 Jun 2017 19:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107 Resp: 9994
Ion Ratio Lower Upper
107 100
108 71.4 70.8 110.8
77 39.0 25.8 65.8
79 27.9 20.1 60.1

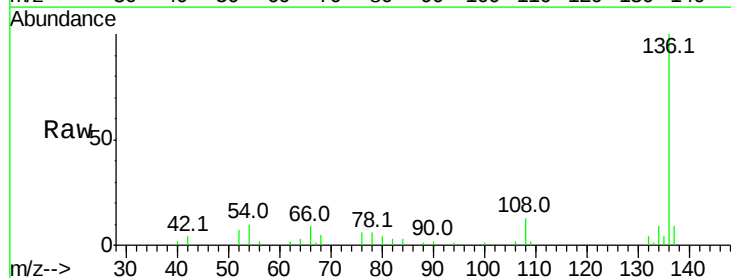


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

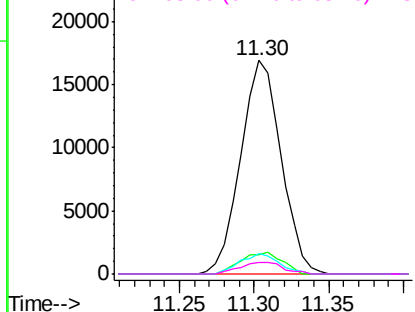
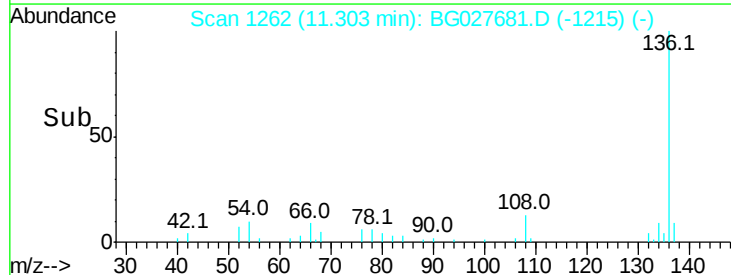


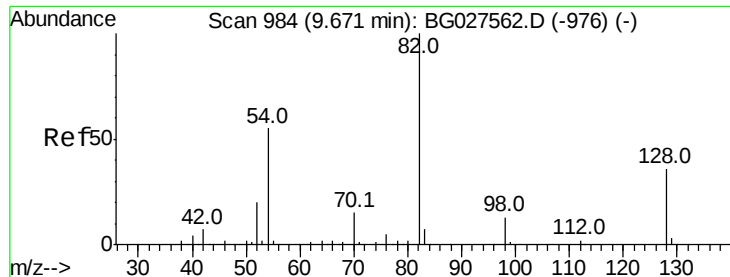
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.30 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BG027681.D
Acq: 26 Jun 2017 19:10

Tgt Ion:136 Resp: 31760
Ion Ratio Lower Upper
136 100
137 8.8 8.9 13.3#
54 9.6 9.3 13.9
68 5.3 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

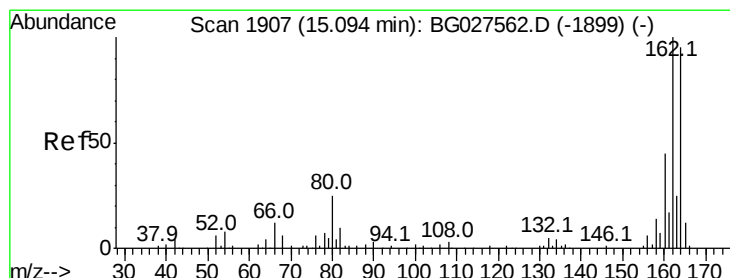
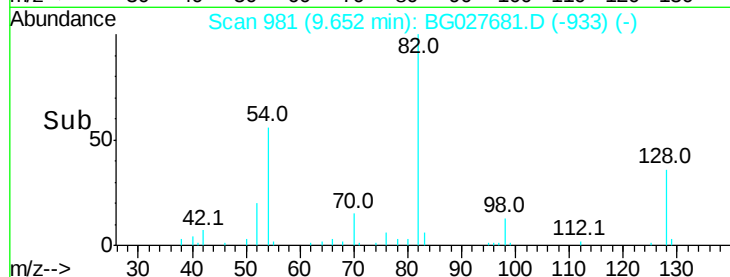
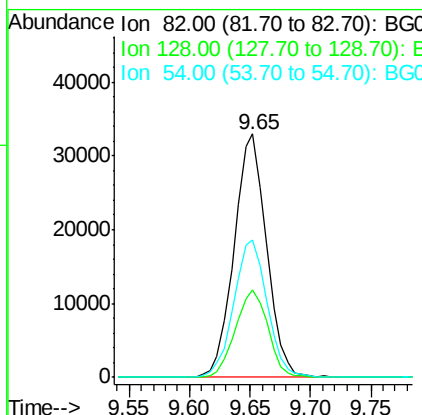
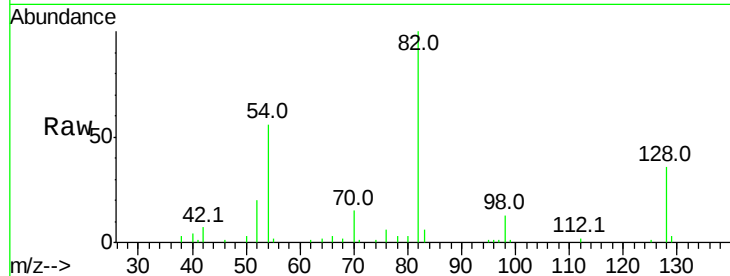




#23
 Nitrobenzene-d5
 Concen: 91.90 ng
 RT: 9.65 min Scan# 981
 Delta R.T. -0.02 min
 Lab File: BG027681.D
 Acq: 26 Jun 2017 19:10

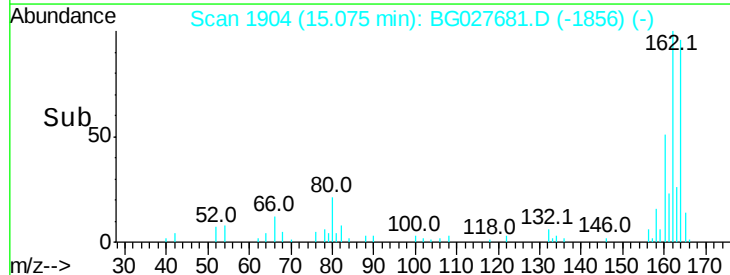
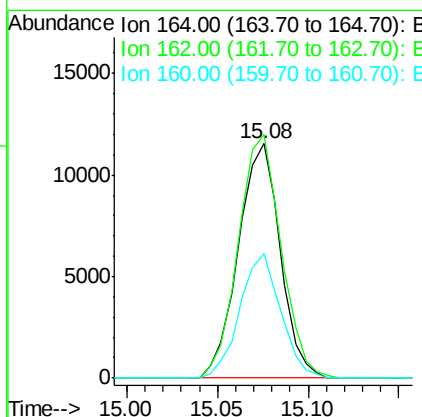
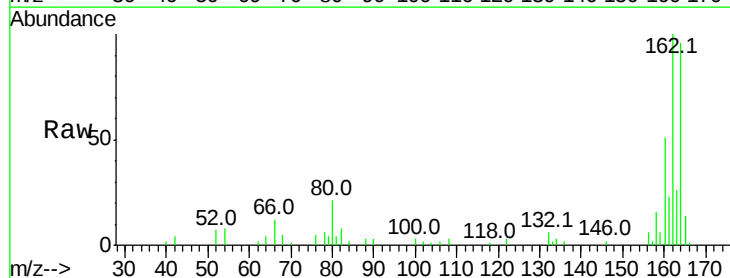
Instrument :
 BNA_G
 ClientSampled :

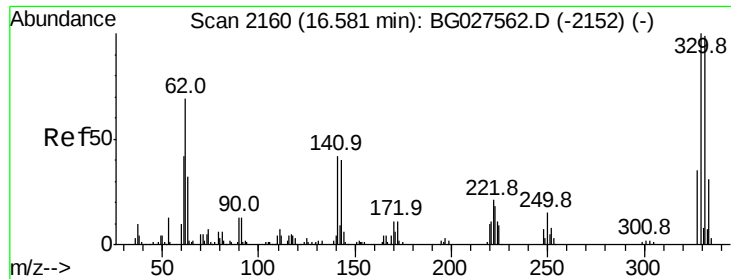
Tot Ion	82	Resp	61685
Ion Ratio	100	Lower	Upper
128	35.7	26.4	39.6
54	56.3	49.4	74.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.08 min Scan# 1904
 Delta R.T. -0.02 min
 Lab File: BG027681.D
 Acq: 26 Jun 2017 19:10

Tgt Ion	164	Resp	18482
Ion Ratio	100	Lower	Upper
162	104.0	85.1	127.7
160	53.2	34.7	52.1#





#41

2,4,6-Tribromophenol

Concen: 91.41 ng

RT: 16.56 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BG027681.D

Acq: 26 Jun 2017 19:10

Instrument :

BNA_G

ClientSampled :

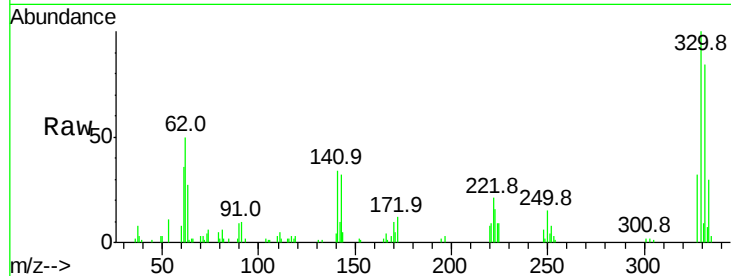
Tot Ion:330 Resp: 25188

Ion Ratio Lower Upper

330 100

332 89.8 77.3 115.9

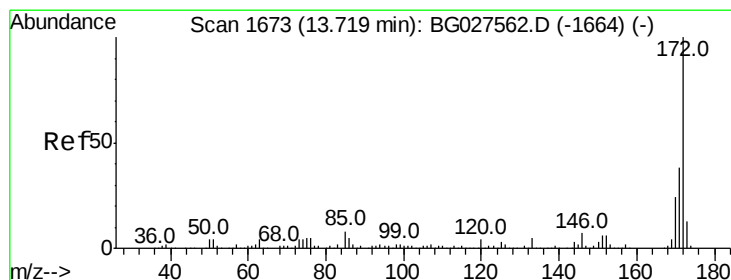
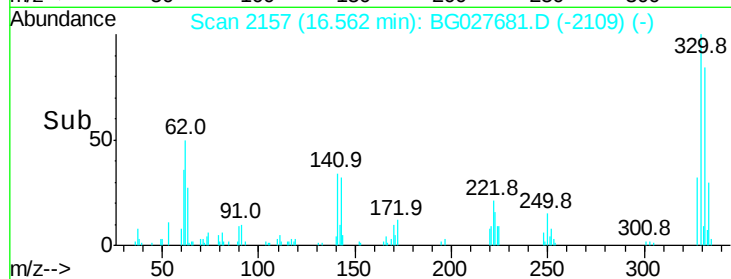
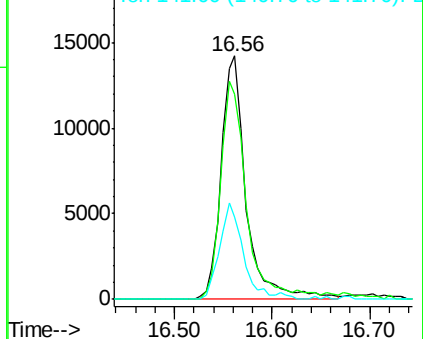
141 36.7 32.1 48.1



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: 102.80 ng

RT: 13.69 min Scan# 1669

Delta R.T. -0.02 min

Lab File: BG027681.D

Acq: 26 Jun 2017 19:10

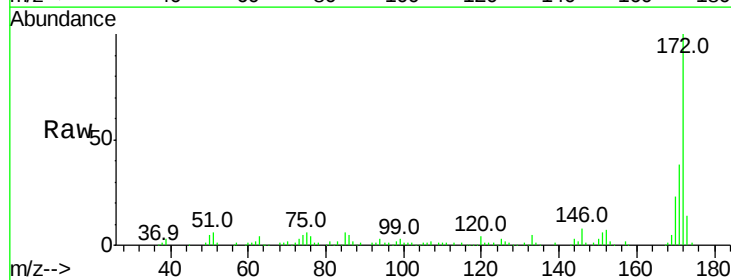
Tgt Ion:172 Resp: 139084

Ion Ratio Lower Upper

172 100

171 38.2 32.2 48.2

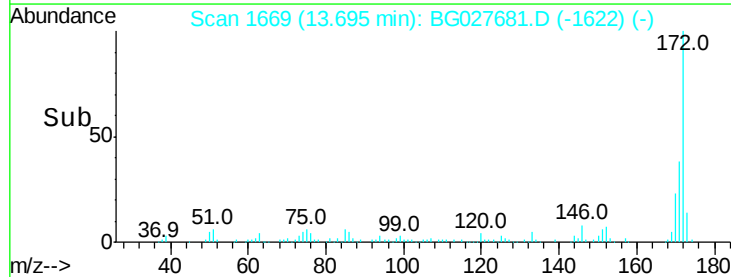
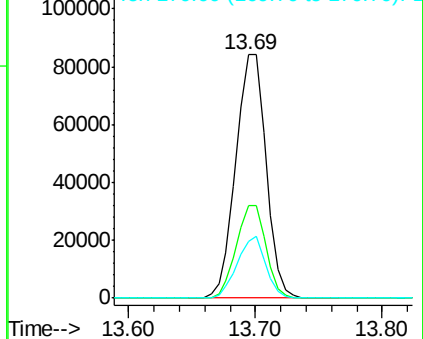
170 23.3 21.8 32.6

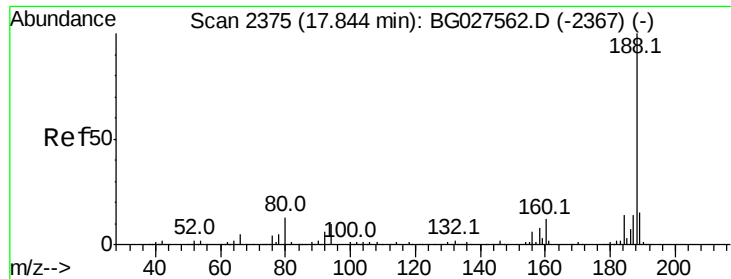


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

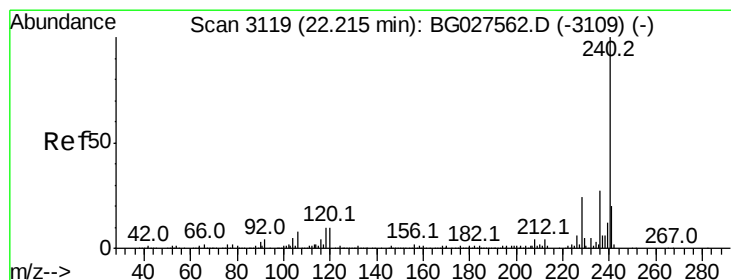
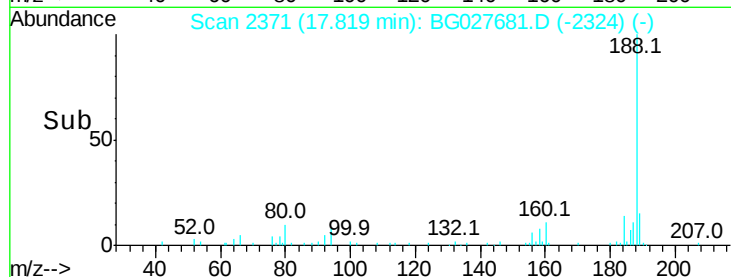
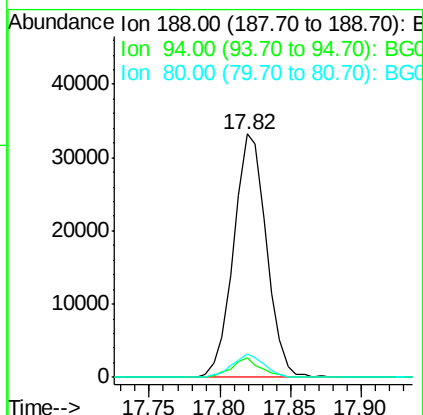
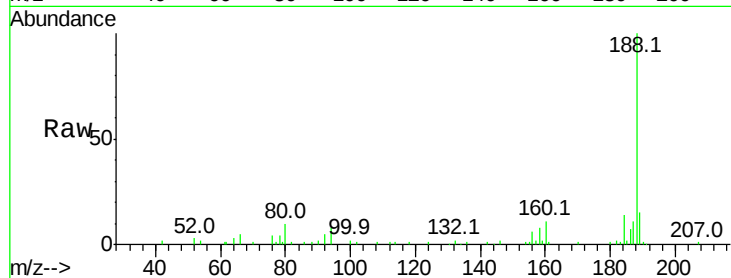




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.82 min Scan# 2371
Delta R.T. -0.02 min
Lab File: BG027681.D
Acq: 26 Jun 2017 19:10

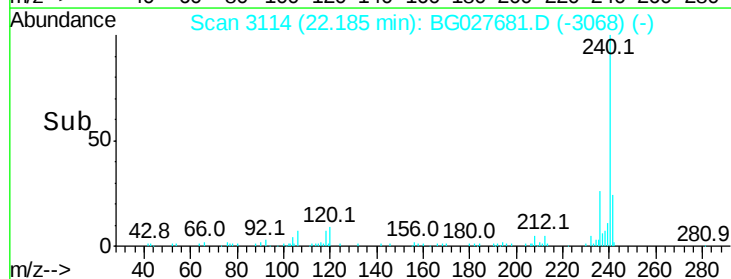
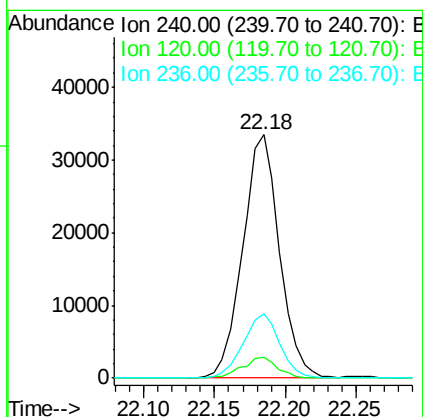
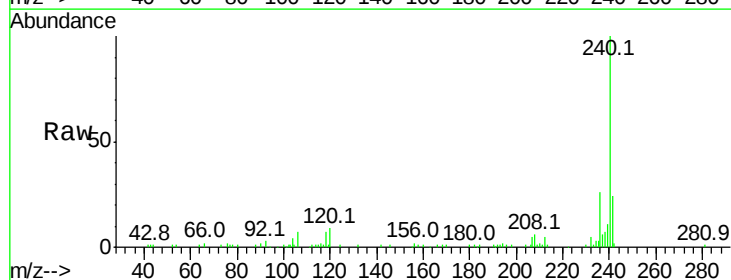
Instrument :
BNA_G
ClientSampleId :

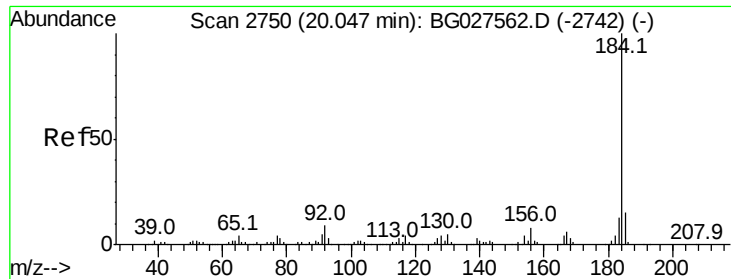
Tot Ion:188 Resp: 53706
Ion Ratio Lower Upper
188 100
94 7.9 5.8 8.8
80 9.6 7.5 11.3



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.18 min Scan# 3114
Delta R.T. -0.03 min
Lab File: BG027681.D
Acq: 26 Jun 2017 19:10

Tgt Ion:240 Resp: 60899
Ion Ratio Lower Upper
240 100
120 8.5 5.7 8.5
236 26.2 22.2 33.4





#76

Benzidine

Concen: 114.34 ng

RT: 20.02 min Scan# 2746

Delta R.T. -0.02 min

Lab File: BG027681.D

Acq: 26 Jun 2017 19:10

Instrument :

BNA_G

ClientSampleId :

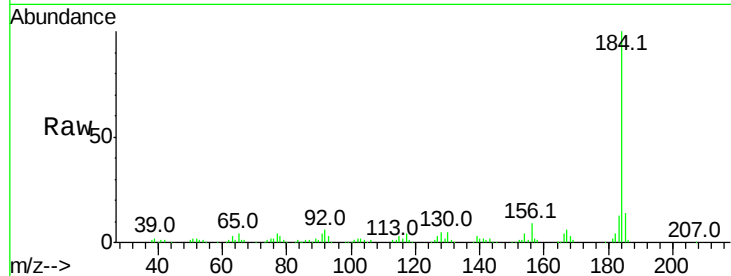
Tot Ion:184 Resp: 170906

Ion Ratio Lower Upper

184 100

185 14.2 13.0 19.6

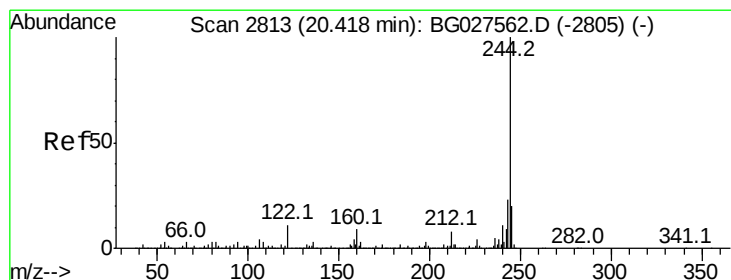
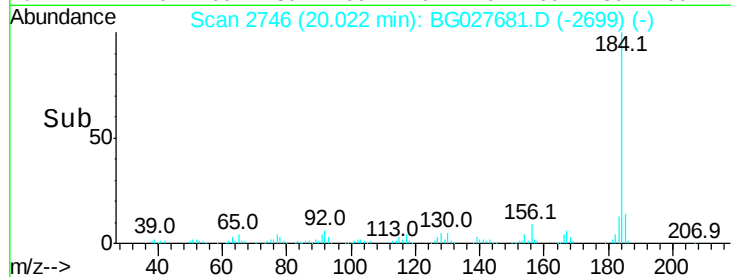
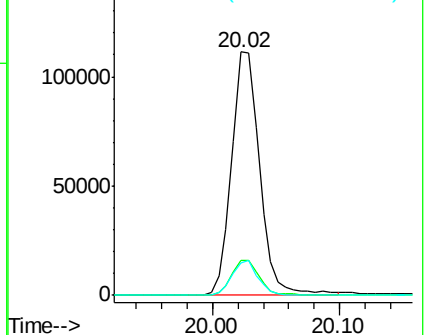
183 13.3 11.0 16.6



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



#78

Terphenyl-d14

Concen: 116.56 ng

RT: 20.40 min Scan# 2810

Delta R.T. -0.02 min

Lab File: BG027681.D

Acq: 26 Jun 2017 19:10

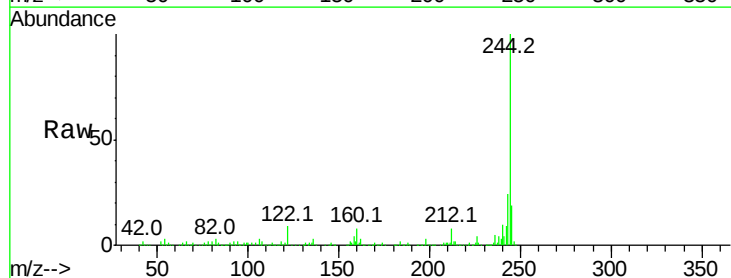
Tgt Ion:244 Resp: 301272

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

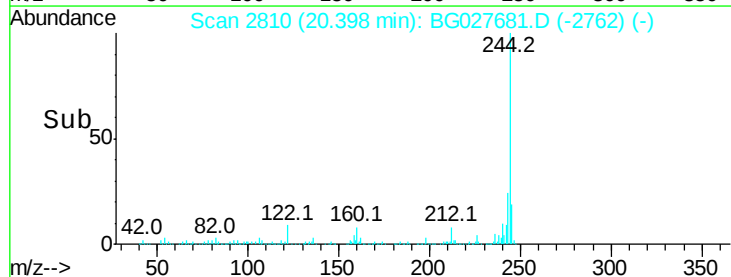
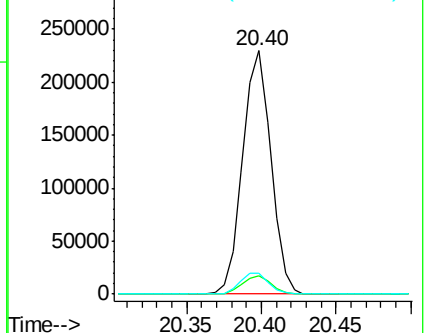
122 8.5 8.6 12.8#

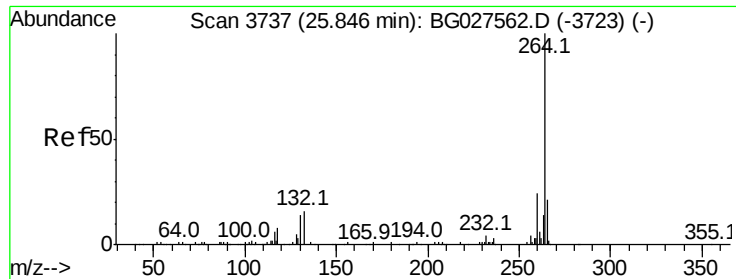


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

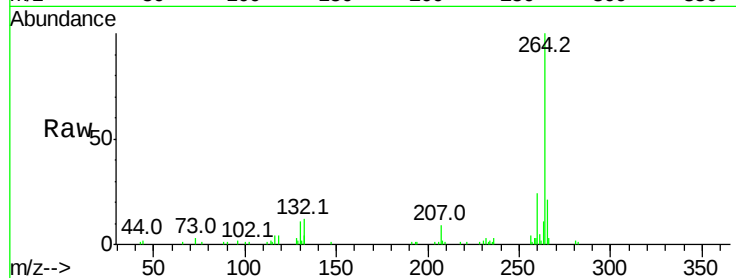




#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.80 min Scan# 3729
Delta R.T. -0.05 min
Lab File: BG027681.D
Acq: 26 Jun 2017 19:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	21.8	32.8
265	21.0	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

