

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062018\
 Data File : BG035271.D
 Acq On : 20 Jun 2018 18:16
 Operator : SJ/JU
 Sample : J3249-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 21 03:57:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

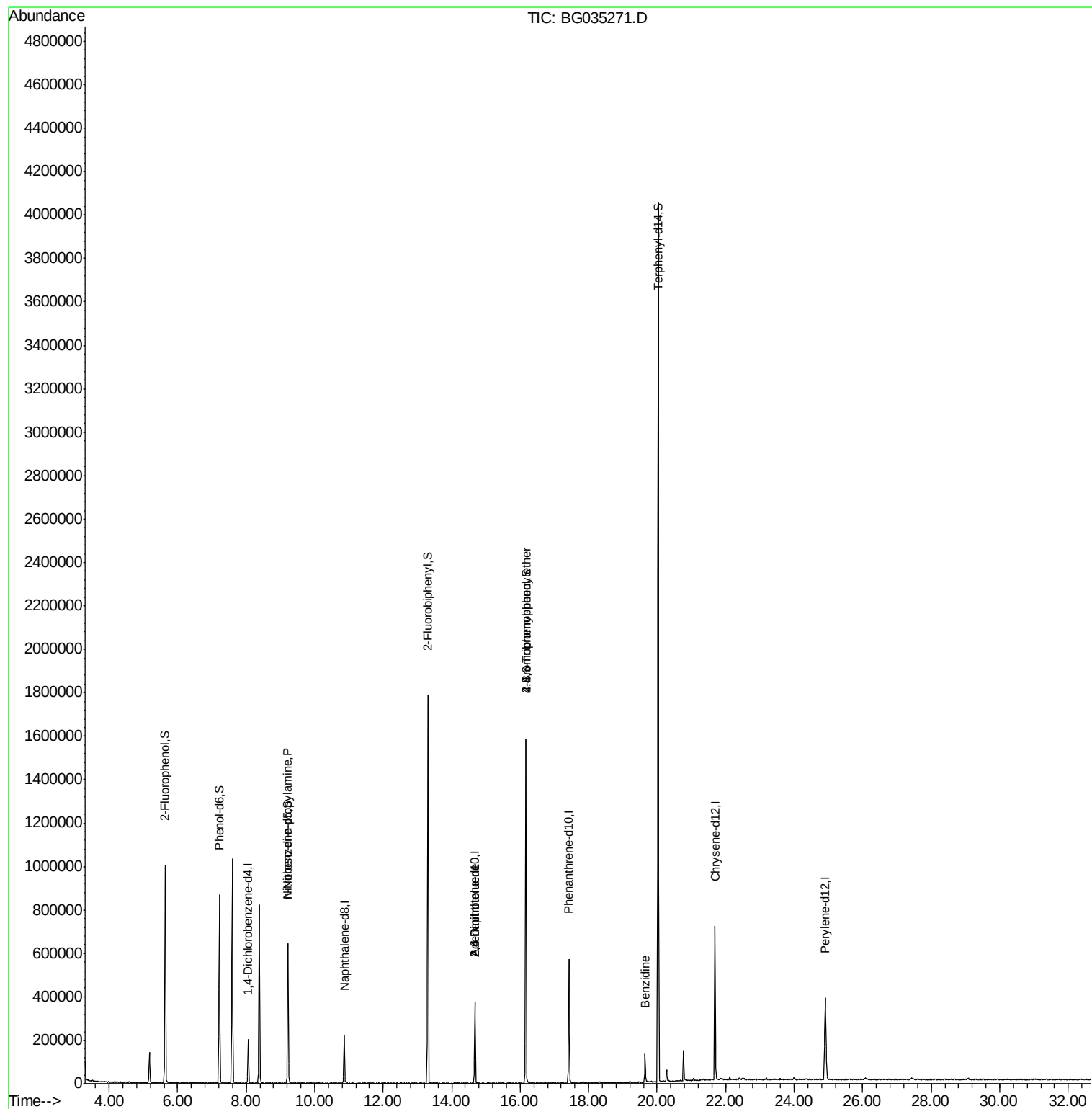
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	57459	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	190295	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	132626	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	364001	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	433824	20.00	ng	-0.03
86) Perylene-d12	24.91	264	427451	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	431757	126.81	ng	-0.01
7) Phenol-d6	7.22	99	541048	107.67	ng	0.00
23) Nitrobenzene-d5	9.22	82	429238	107.22	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	314562	185.28	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	959812	94.08	ng	-0.02
78) Terphenyl-d14	20.03	244	1925767	92.98	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	59372	13.907	ng	# 72
50) 2,6-Dinitrotoluene	14.68	165	17741	8.408	ng	# 23
56) 2,4-Dinitrotoluene	14.68	165	17741	6.330	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	24269	5.536	ng	# 1
76) Benzidine	19.64	184	91740	5.684	ng	97

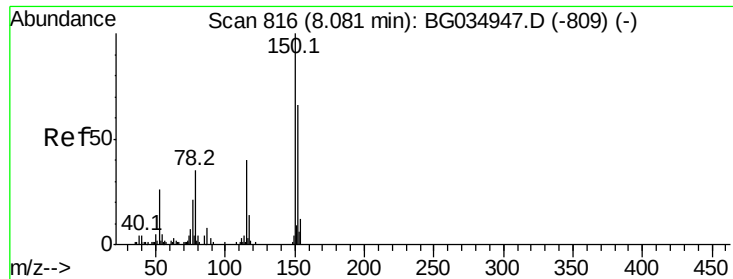
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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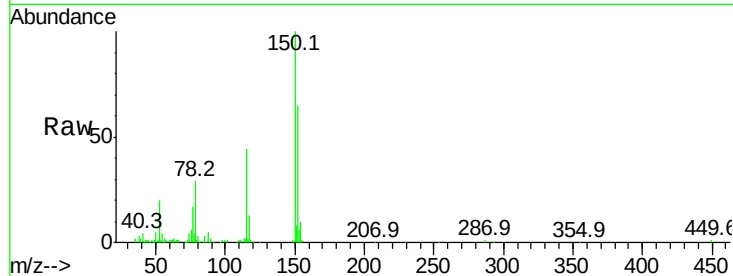


#1

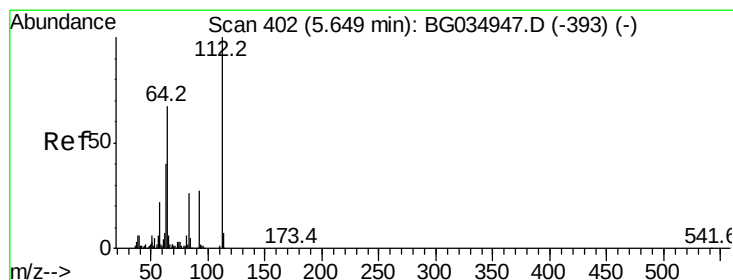
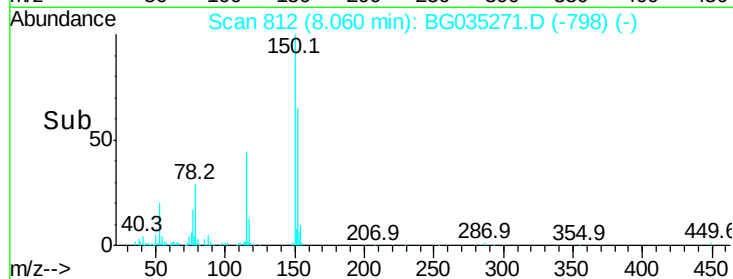
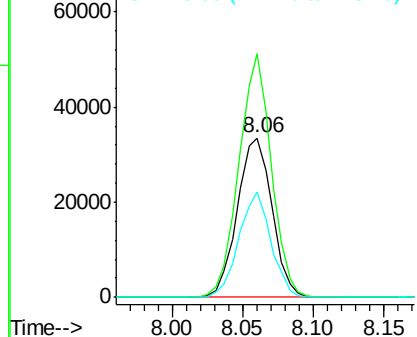
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035271.D
Acq: 20 Jun 2018 18:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57459
Ion Ratio Lower Upper
152 100
150 152.8 126.6 189.8
115 66.5 53.0 79.4



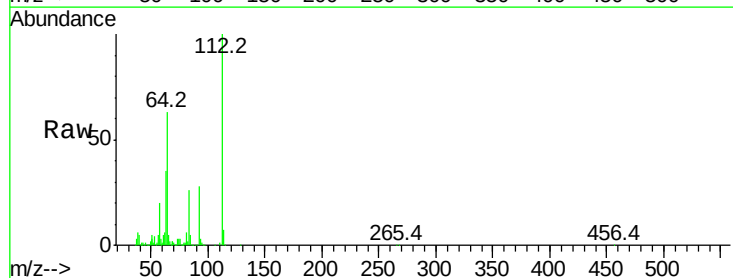
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



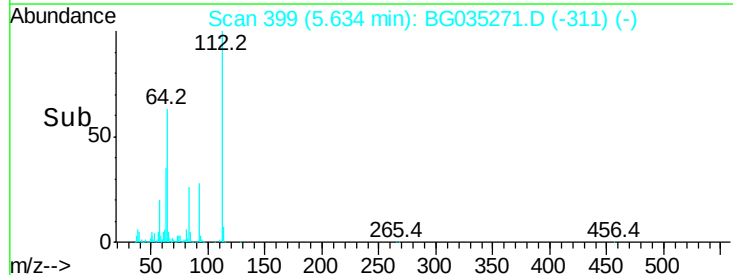
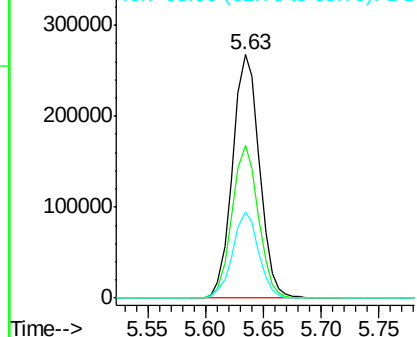
#5

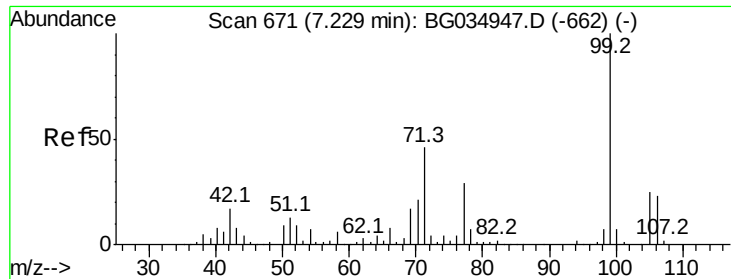
2-Fluorophenol
Concen: 126.810 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035271.D
Acq: 20 Jun 2018 18:16

Tgt Ion:112 Resp: 431757
Ion Ratio Lower Upper
112 100
64 62.7 56.3 84.5
63 35.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 107.666 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035271.D

Acq: 20 Jun 2018 18:16

Instrument :

BNA_G

ClientSampleId :

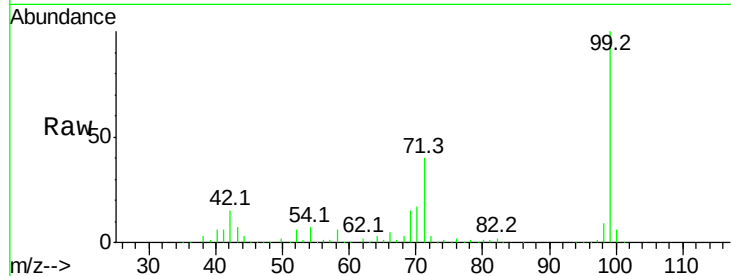
Tot Ion: 99 Resp: 541048

Ion Ratio Lower Upper

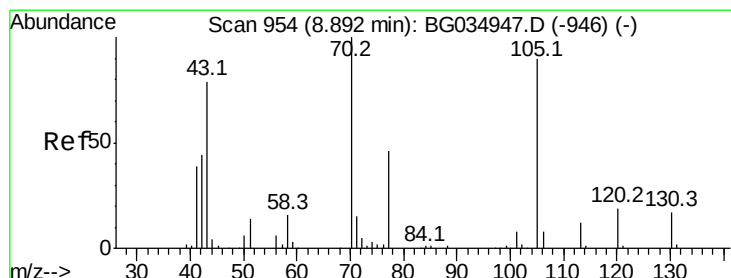
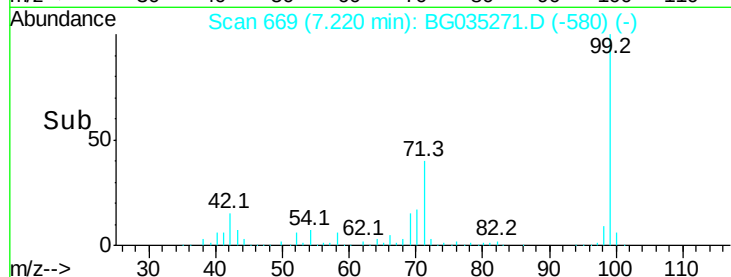
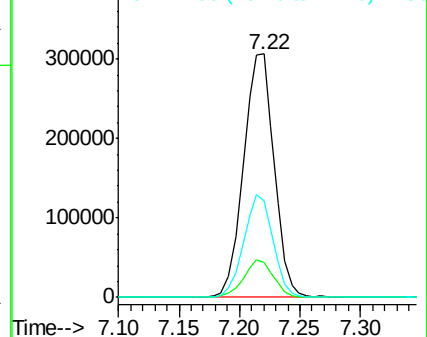
99 100

42 14.6 14.1 21.1

71 39.8 26.1 39.1#



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.907 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.34 min

Lab File: BG035271.D

Acq: 20 Jun 2018 18:16

Tgt Ion: 70 Resp: 59372

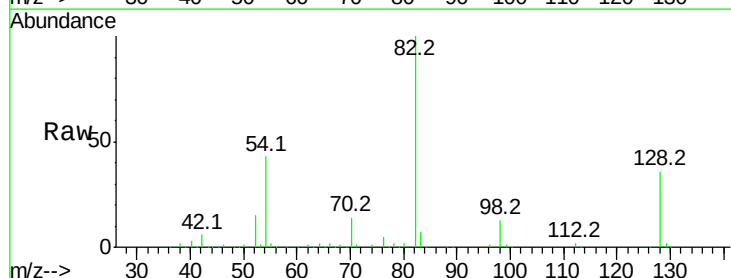
Ion Ratio Lower Upper

70 100

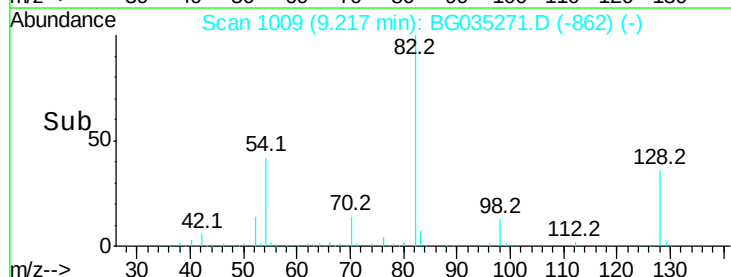
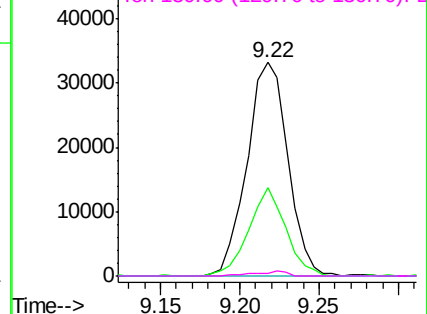
42 41.3 49.1 73.7#

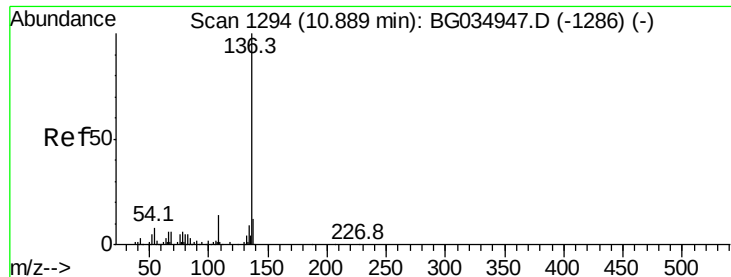
101 0.0 8.5 12.7#

130 1.2 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

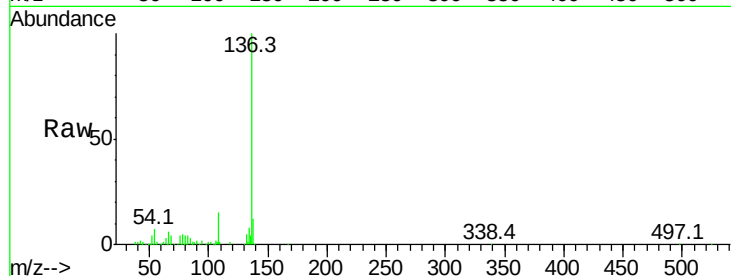




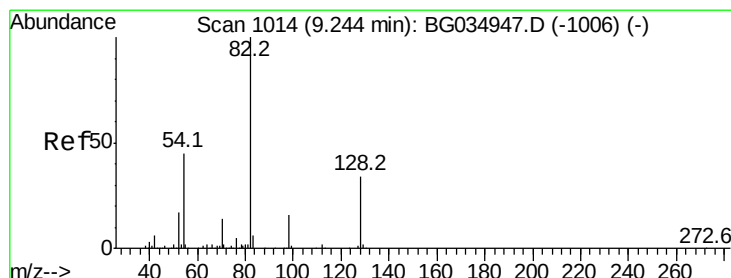
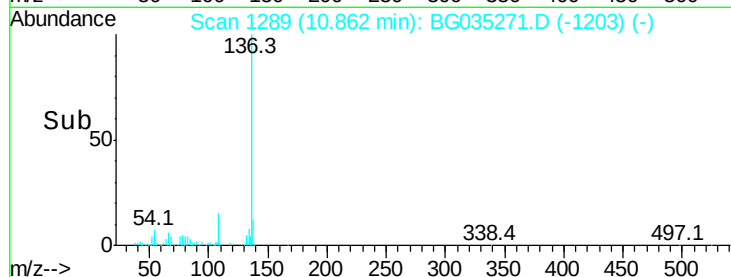
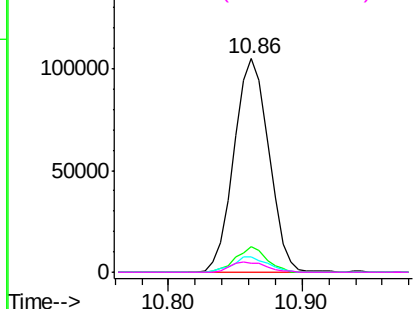
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035271.D
Acq: 20 Jun 2018 18:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	190295
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.2 13.8
54	7.0	10.3 15.5#
68	4.0	4.5 6.7#

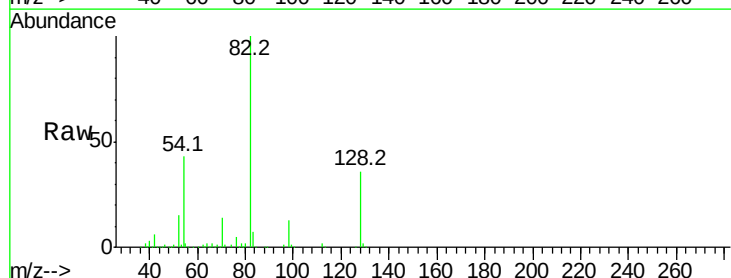


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

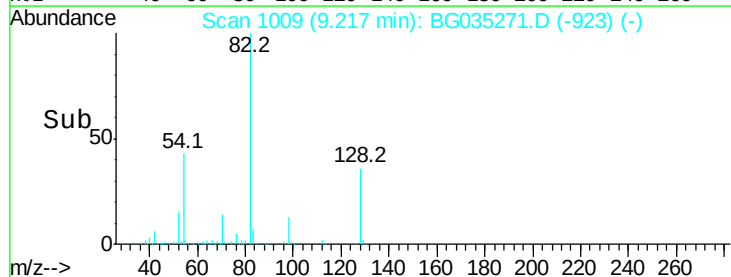
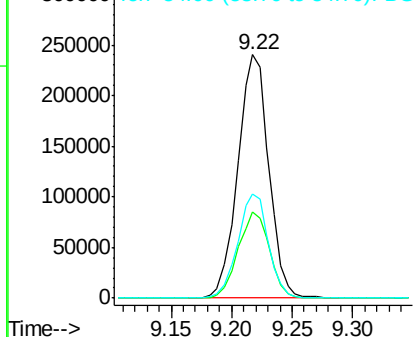


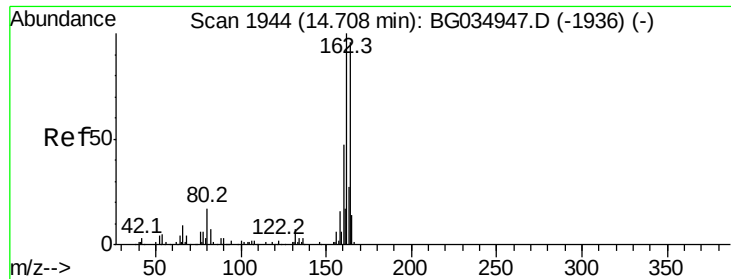
#23
Nitrobenzene-d5
Concen: 107.221 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035271.D
Acq: 20 Jun 2018 18:16

Tgt Ion: 82	Resp:	429238
Ion Ratio	Lower	Upper
82	100	
128	35.6	29.7 44.5
54	42.9	43.1 64.7#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035271.D

Acq: 20 Jun 2018 18:16

Instrument :

BNA_G

ClientSampleId :

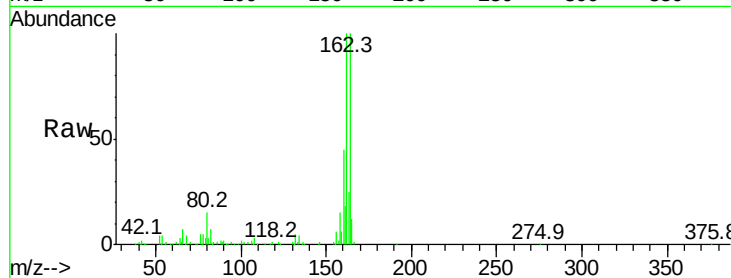
Tot Ion:164 Resp: 132626

Ion Ratio Lower Upper

164 100

162 99.6 78.8 118.2

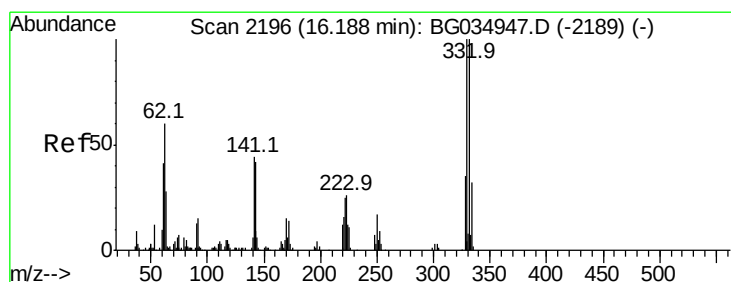
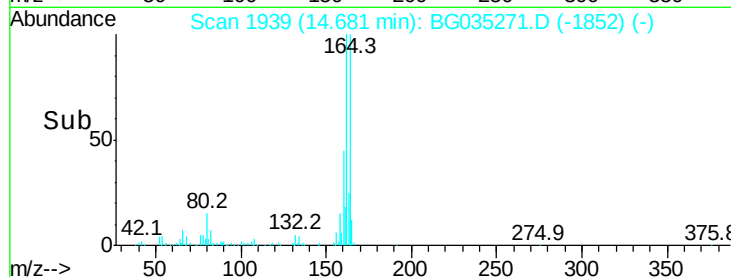
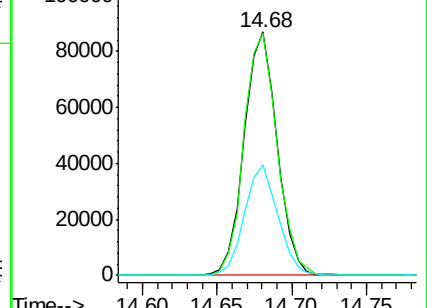
160 45.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 185.278 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035271.D

Acq: 20 Jun 2018 18:16

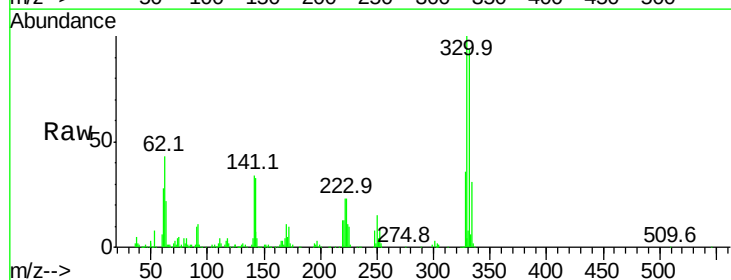
Tgt Ion:330 Resp: 314562

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

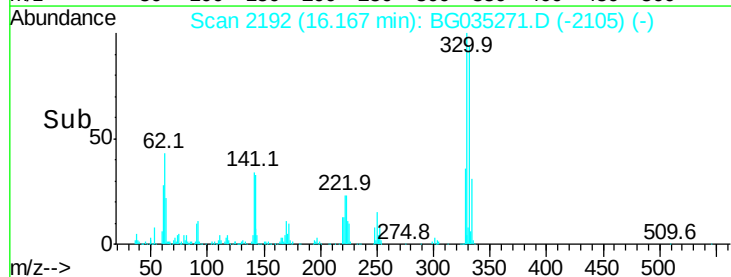
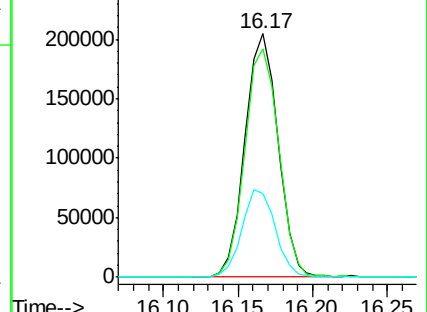
141 36.2 25.2 37.8

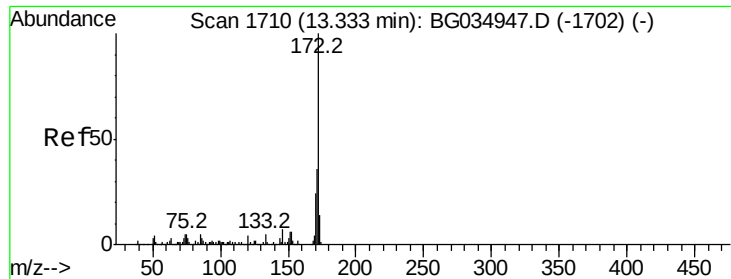


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

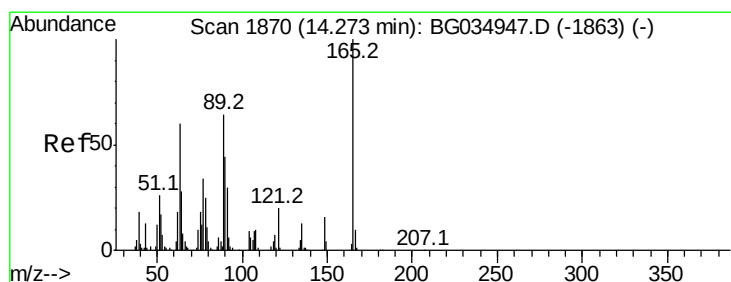
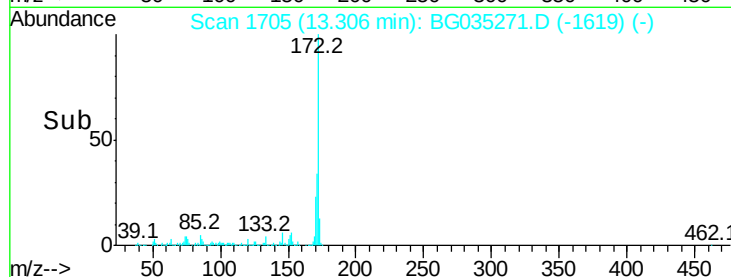
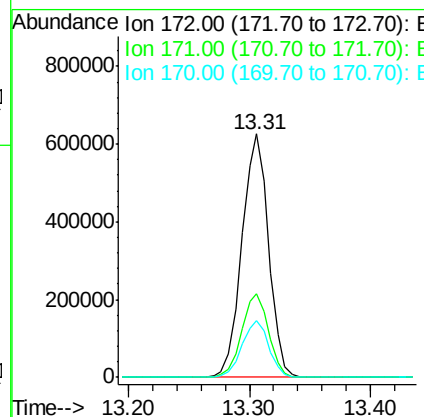
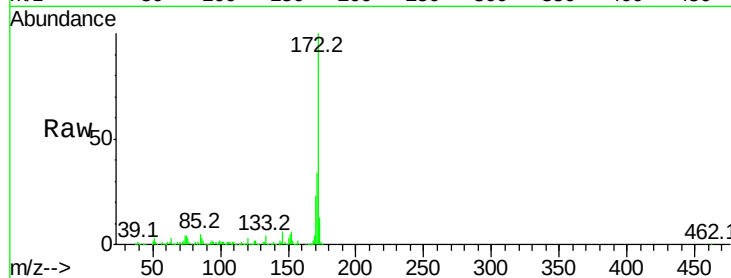




#44
 2-Fluorobiphenyl
 Concen: 94.081 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035271.D
 Acq: 20 Jun 2018 18:16

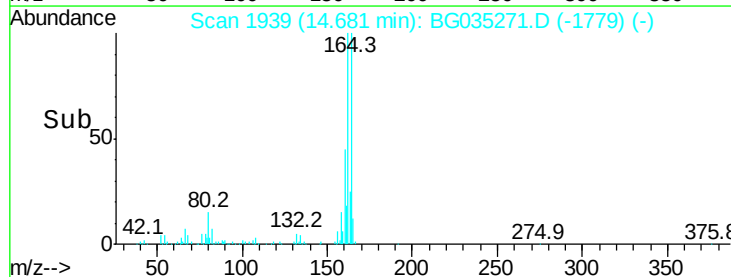
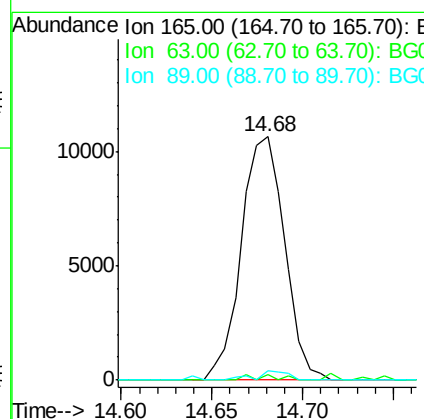
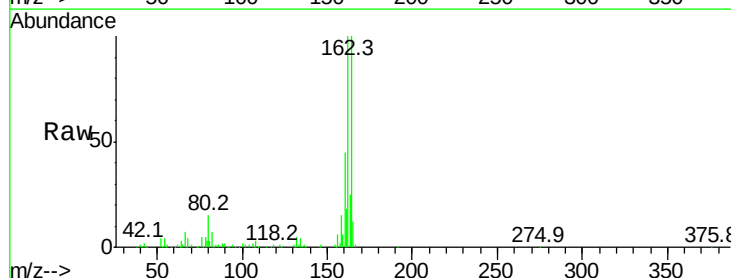
Instrument :
 BNA_G
 ClientSampleId :

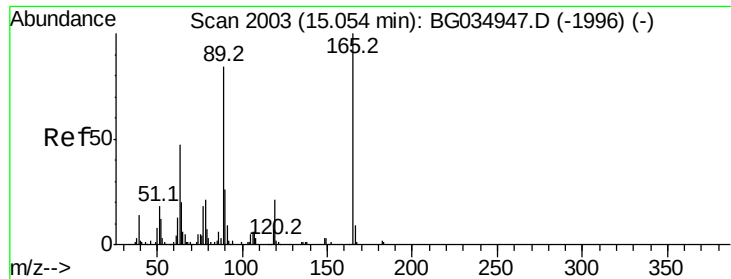
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.0	45.0
170	23.2	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.408 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035271.D
 Acq: 20 Jun 2018 18:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	4.1	49.2	73.8#

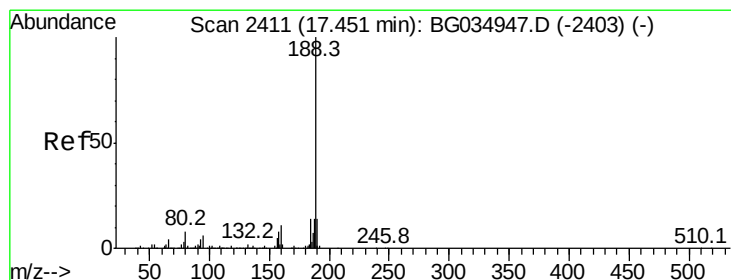
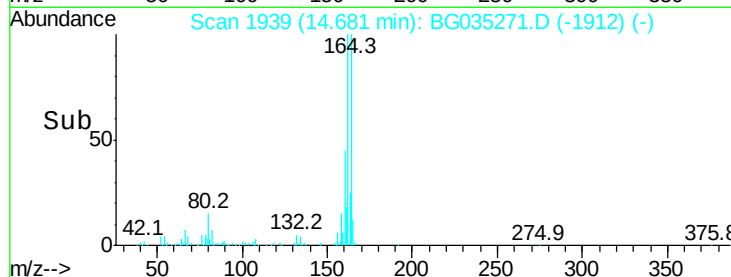
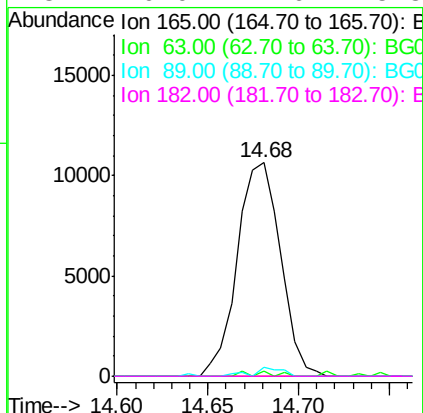
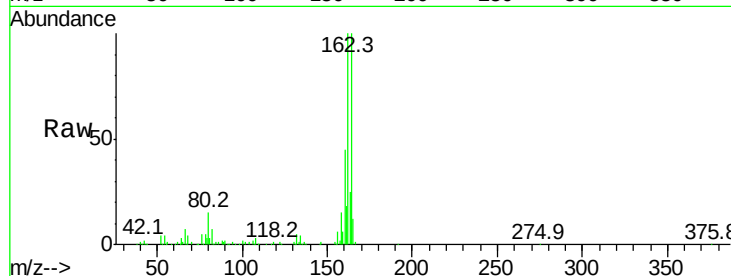




#56
 2,4-Dinitrotoluene
 Concen: 6.330 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035271.D
 Acq: 20 Jun 2018 18:16

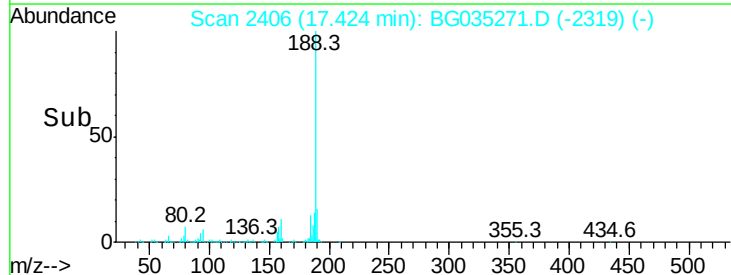
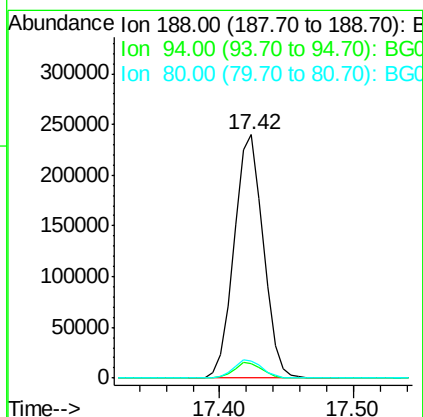
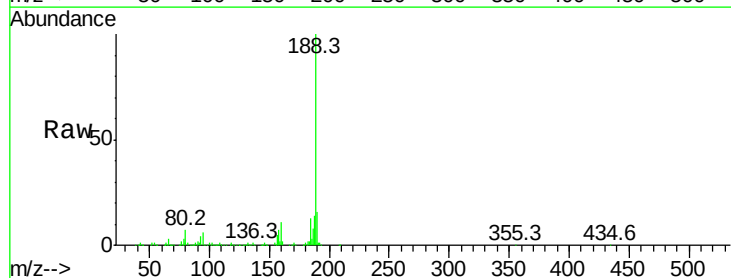
Instrument :
 BNA_G
 ClientSampleId :

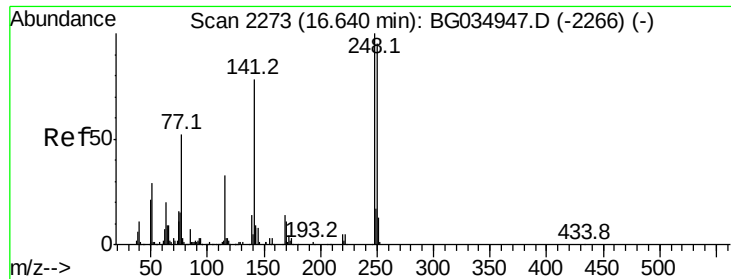
Tot Ion:165 Resp: 17741
 Ion Ratio Lower Upper
 165 100
 63 2.5 42.0 63.0#
 89 4.1 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG035271.D
 Acq: 20 Jun 2018 18:16

Tgt Ion:188 Resp: 364001
 Ion Ratio Lower Upper
 188 100
 94 5.9 6.9 10.3#
 80 7.1 7.7 11.5#

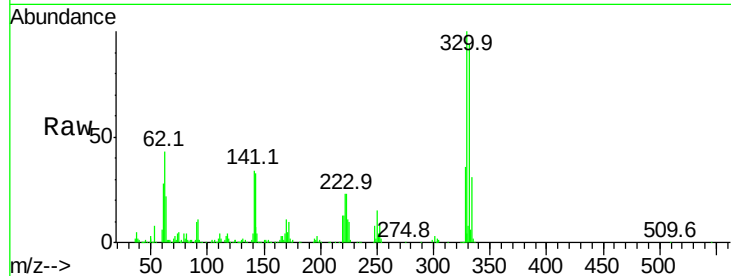




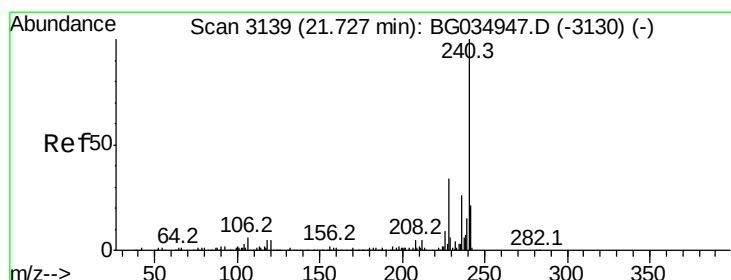
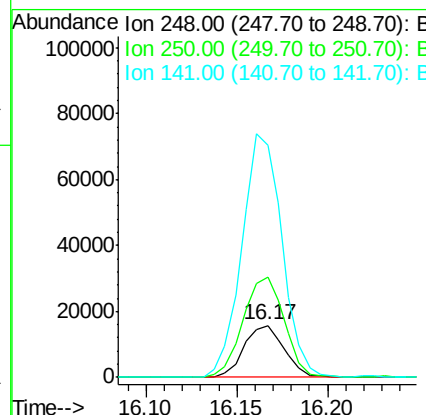
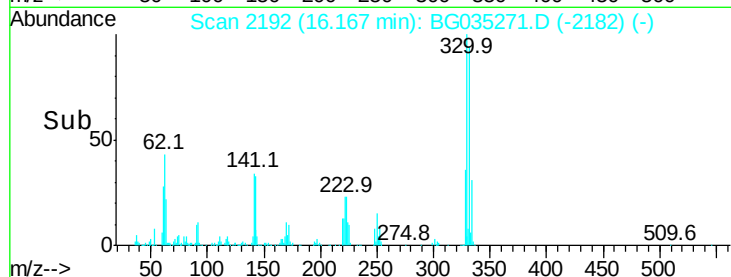
#66
4-Bromophenyl-phenylether
Concen: 5.536 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035271.D
Acq: 20 Jun 2018 18:16

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 24269
Ion Ratio Lower Upper
248 100
250 192.1 77.1 115.7#
141 444.6 50.8 76.2#

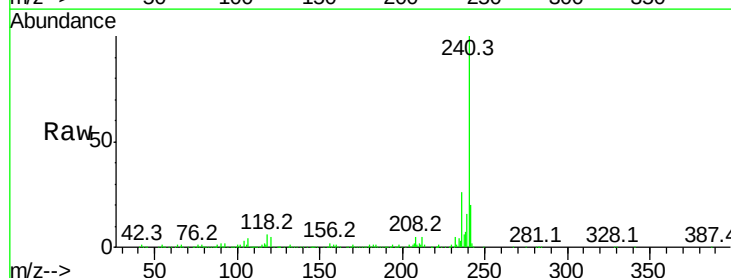


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

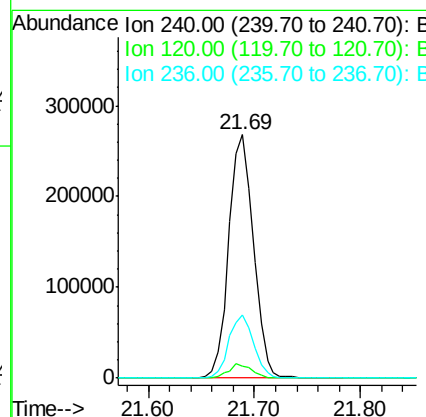
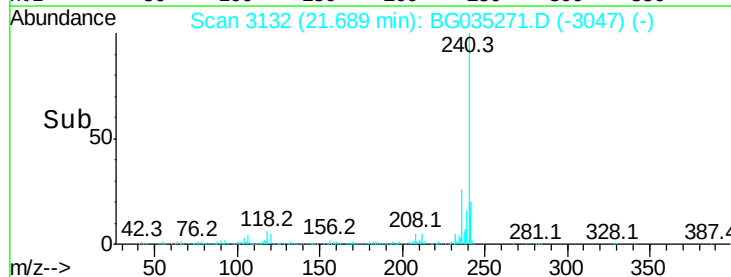


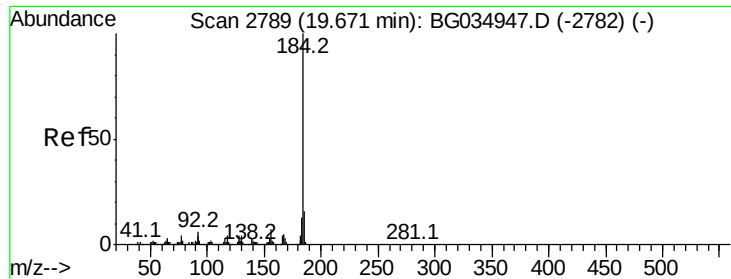
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.03 min
Lab File: BG035271.D
Acq: 20 Jun 2018 18:16

Tgt Ion:240 Resp: 433824
Ion Ratio Lower Upper
240 100
120 5.0 6.8 10.2#
236 25.9 20.9 31.3



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





#76

Benzidine

Concen: 5.684 ng

RT: 19.64 min Scan# 2784

Delta R.T. -0.02 min

Lab File: BG035271.D

Acq: 20 Jun 2018 18:16

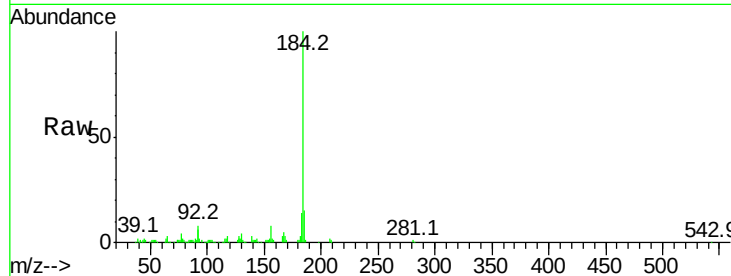
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 91740

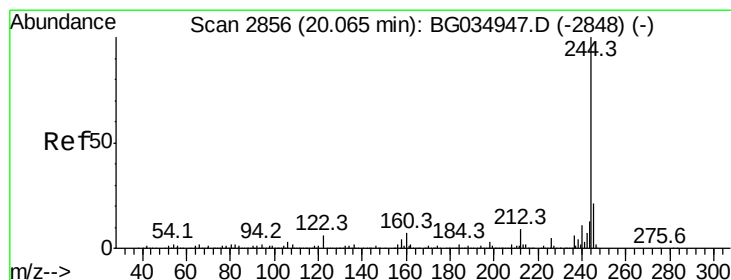
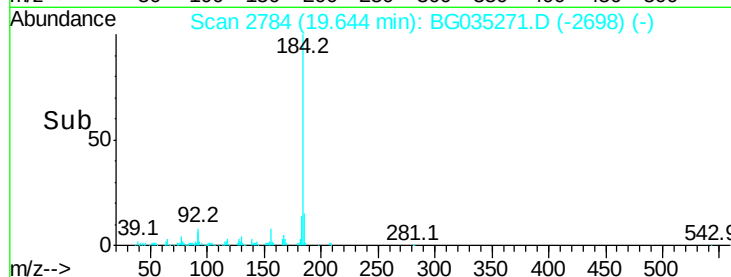
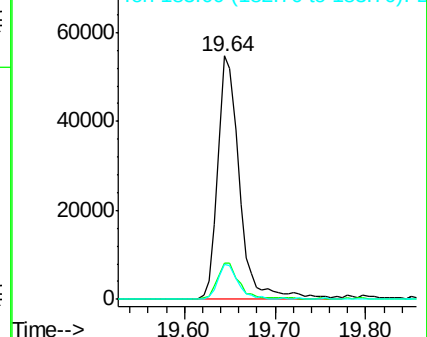
Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.1	16.7
183	14.5	10.6	16.0



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: 92.984 ng

RT: 20.03 min Scan# 2850

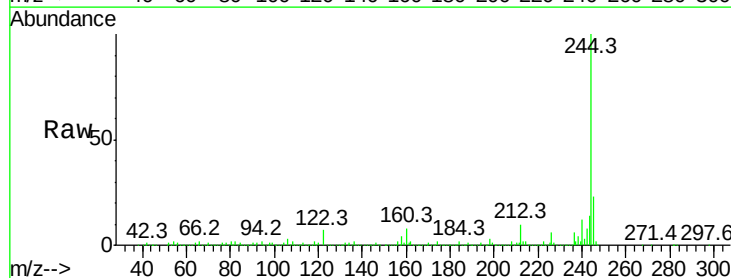
Delta R.T. -0.02 min

Lab File: BG035271.D

Acq: 20 Jun 2018 18:16

Tgt Ion:244 Resp: 1925767

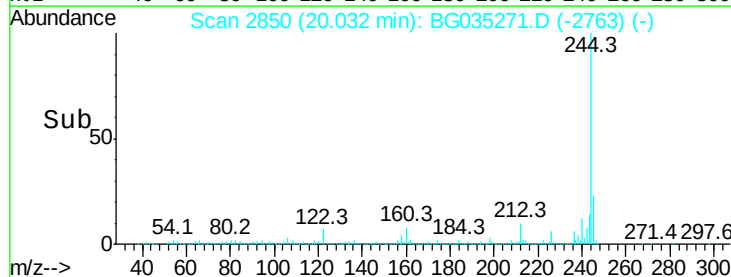
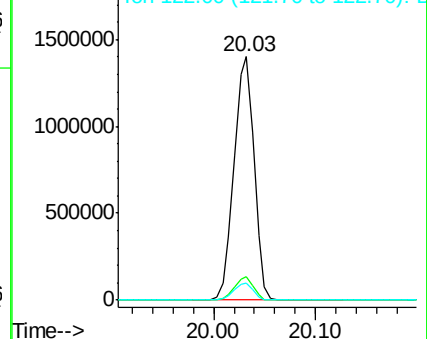
Ion	Ratio	Lower	Upper
244	100		
212	9.6	5.8	8.8#
122	7.0	7.0	10.4

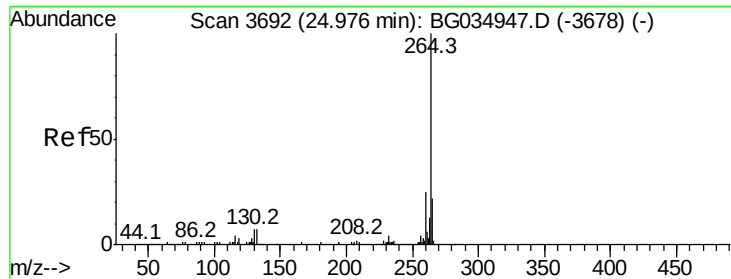


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

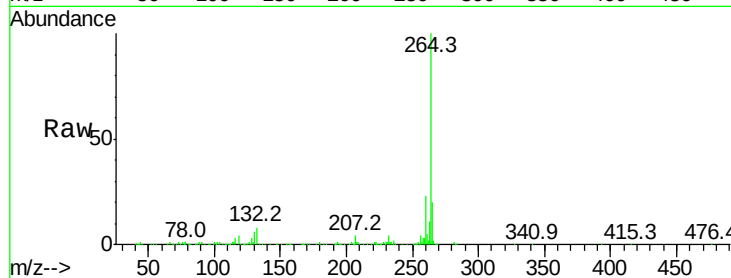




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3680
Delta R.T. -0.05 min
Lab File: BG035271.D
Acq: 20 Jun 2018 18:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	19.9	17.7	26.5



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

