

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062618\
 Data File : BG035437.D
 Acq On : 27 Jun 2018 9:10
 Operator : JU/SJ
 Sample : J3629-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 27 09:49:01 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

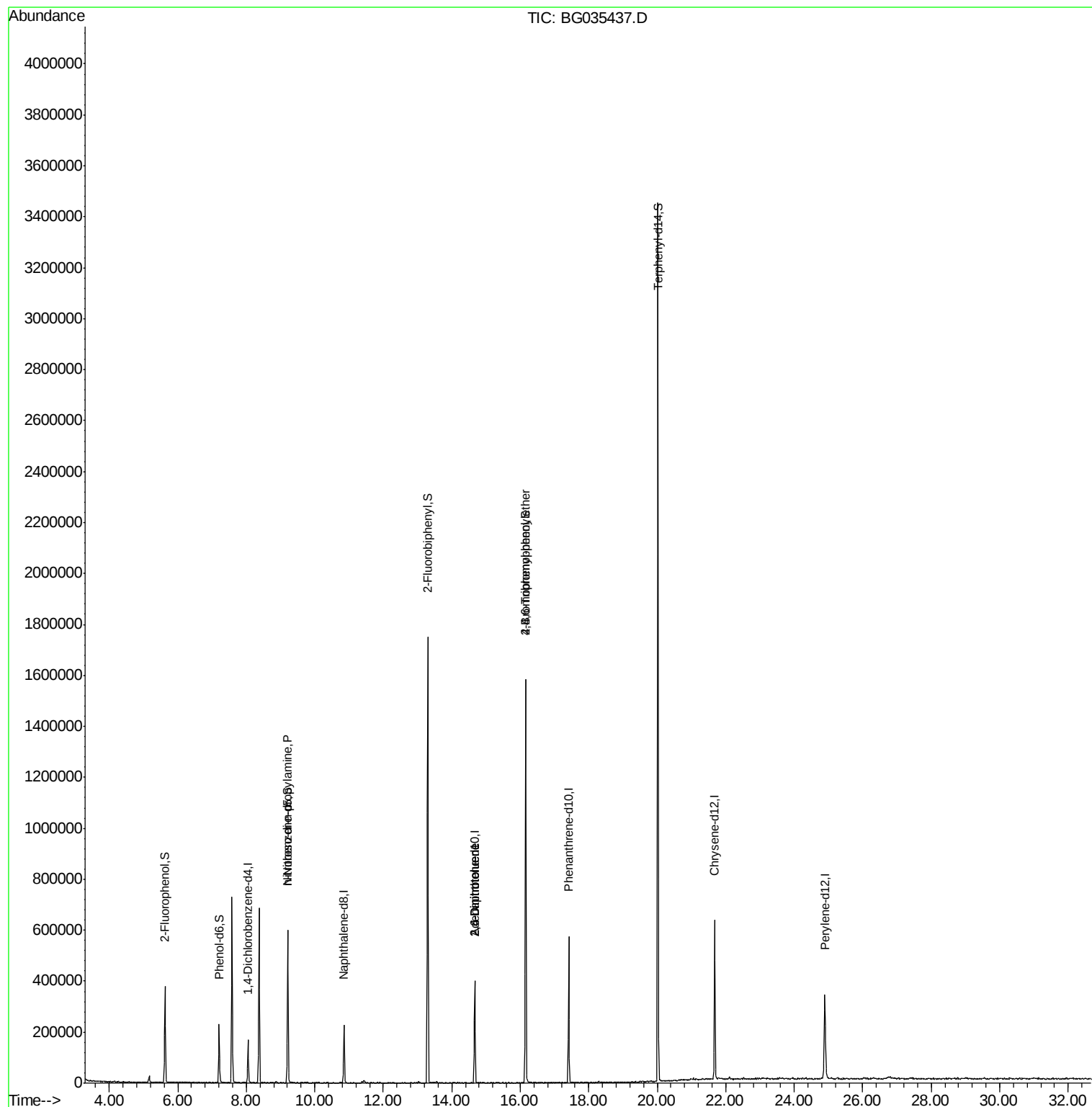
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	47795	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	190651	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	140383	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	378116	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	401115	20.00	ng	-0.04
86) Perylene-d12	24.89	264	376520	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	165804	58.54	ng	-0.02
7) Phenol-d6	7.21	99	145143	34.72	ng	-0.02
23) Nitrobenzene-d5	9.21	82	401756	100.17	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	299284	166.54	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	930649	86.18	ng	-0.03
78) Terphenyl-d14	20.02	244	1699709	88.76	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	55895	15.739	ng	# 70
50) 2,6-Dinitrotoluene	14.67	165	18388	8.233	ng	# 19
56) 2,4-Dinitrotoluene	14.67	165	18388	6.198	ng	# 17
66) 4-Bromophenyl-phenylether	16.16	248	23268	5.110	ng	# 1

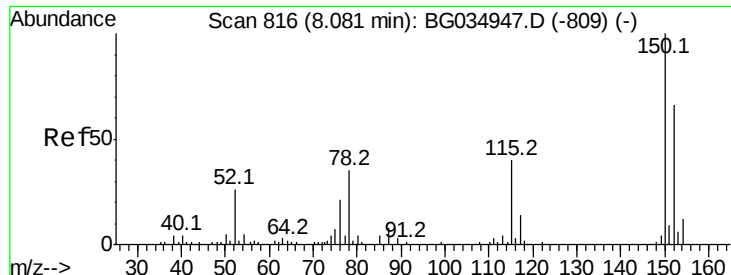
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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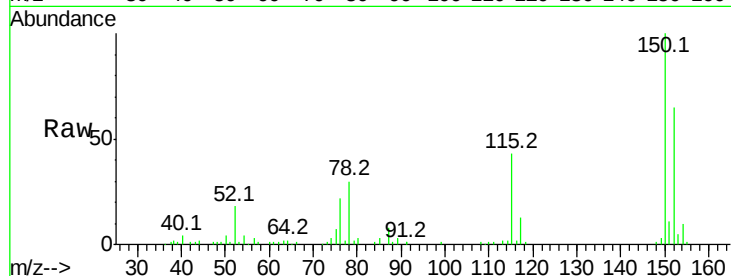


#1

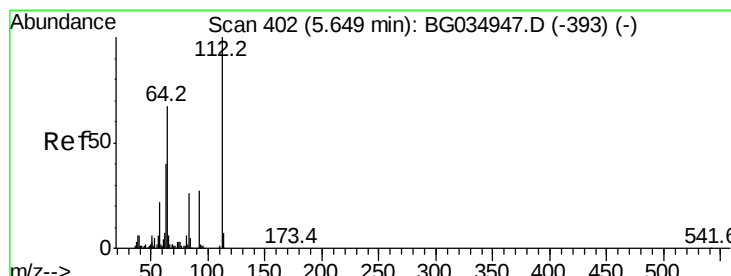
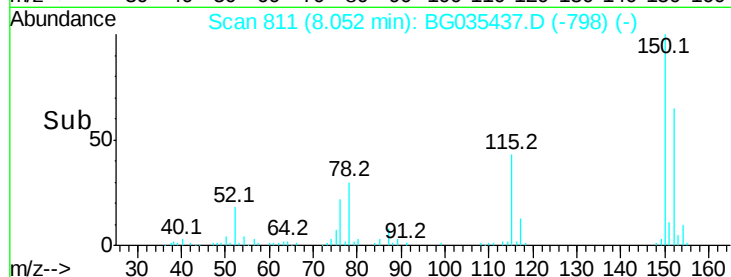
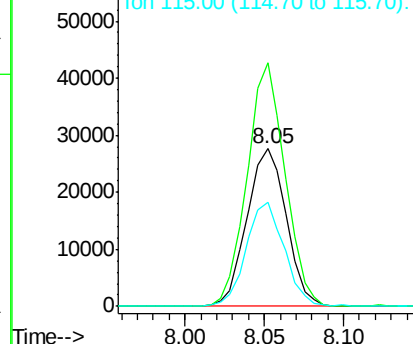
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BG035437.D
 Acq: 27 Jun 2018 9:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.6	189.8
115	66.2	53.0	79.4



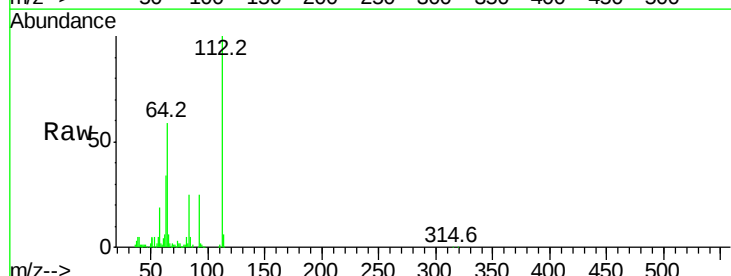
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



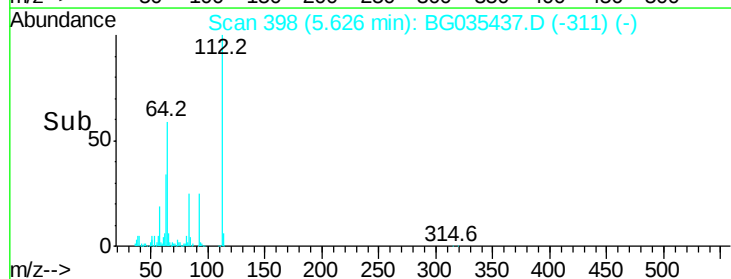
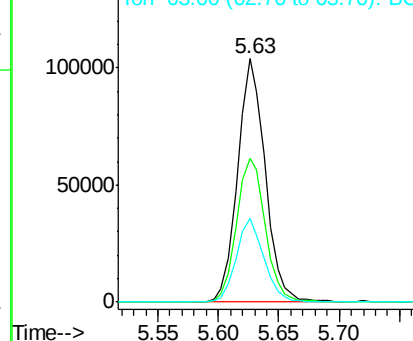
#5

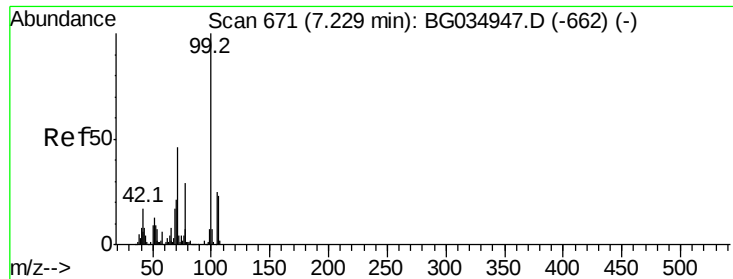
2-Fluorophenol
 Concen: 58.544 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: BG035437.D
 Acq: 27 Jun 2018 9:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	56.3	84.5
63	34.5	30.1	45.1



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: 34.723 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BG035437.D

Acq: 27 Jun 2018 9:10

Instrument :

BNA_G

ClientSampleId :

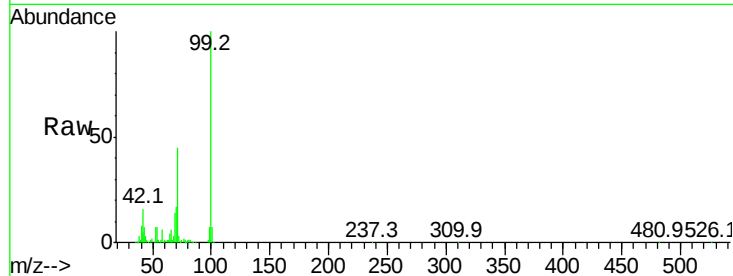
Tot Ion: 99 Resp: 145143

Ion Ratio Lower Upper

99 100

42 16.0 14.1 21.1

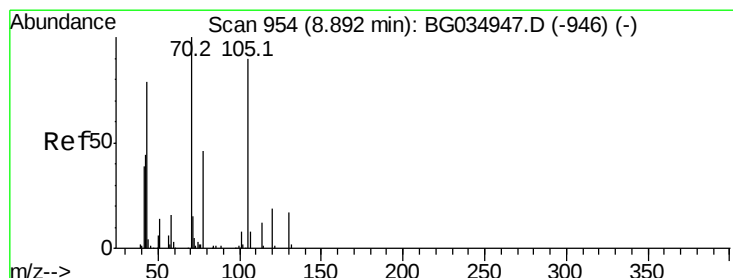
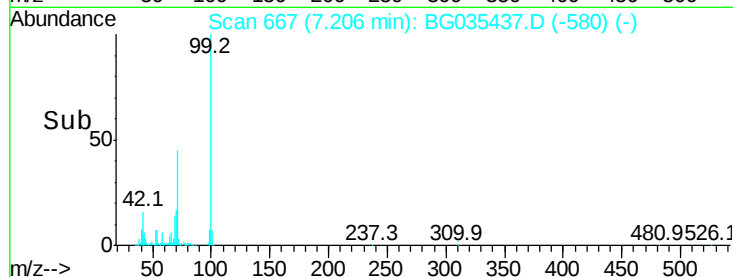
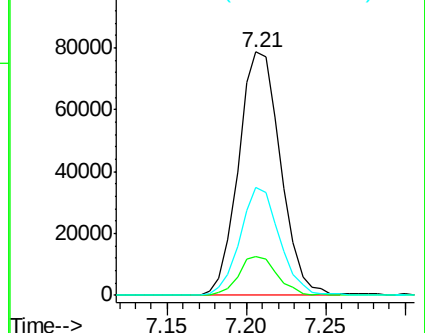
71 44.5 26.1 39.1#



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: 15.739 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035437.D

Acq: 27 Jun 2018 9:10

Tgt Ion: 70 Resp: 55895

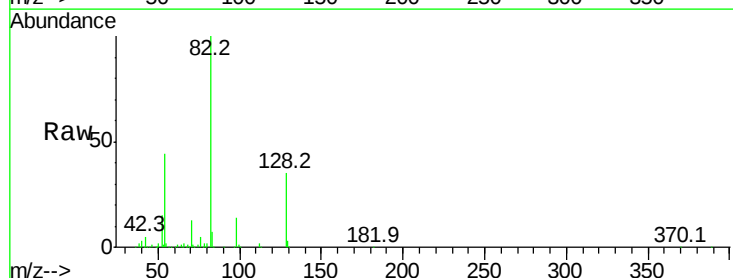
Ion Ratio Lower Upper

70 100

42 38.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

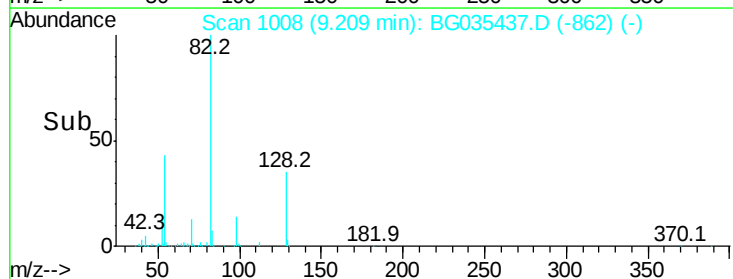
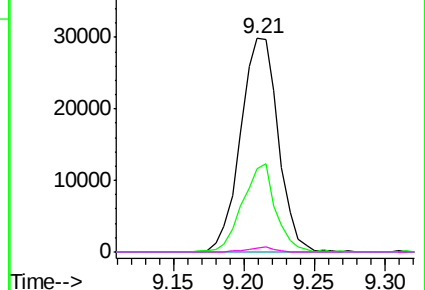


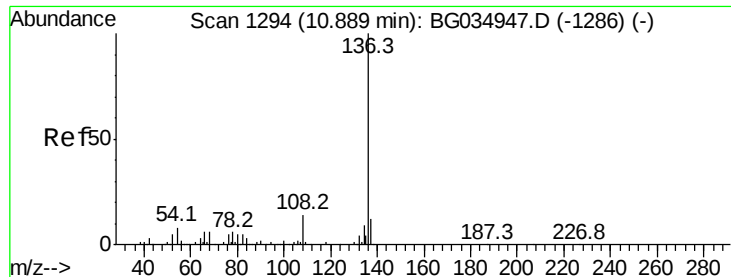
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

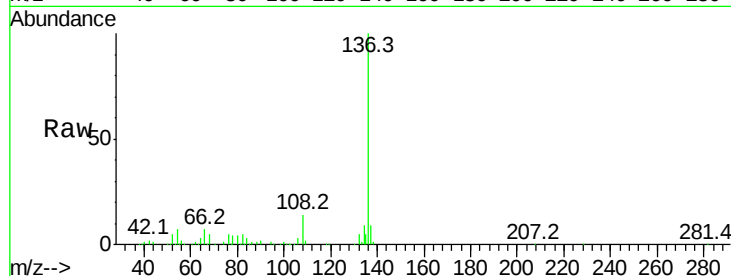




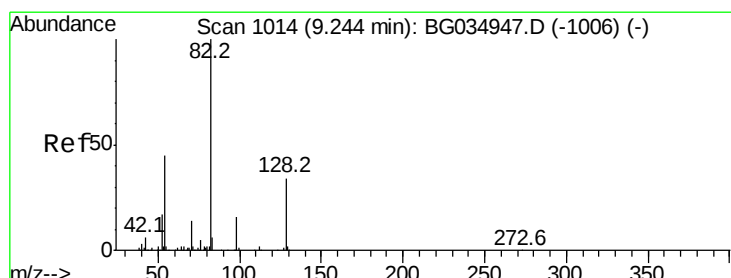
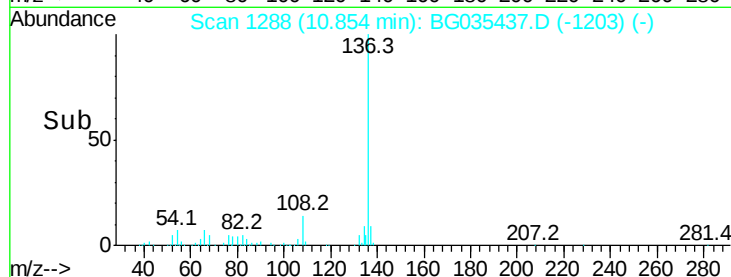
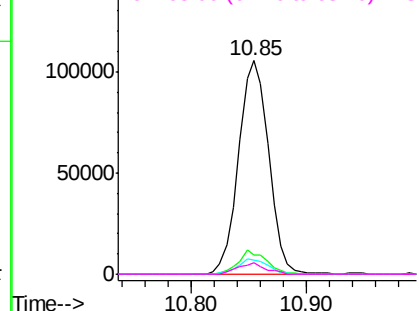
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035437.D
Acq: 27 Jun 2018 9:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	190651
Ion	Ratio	Lower	Upper
136	100		
137	8.7	9.2	13.8#
54	6.6	10.3	15.5#
68	5.3	4.5	6.7

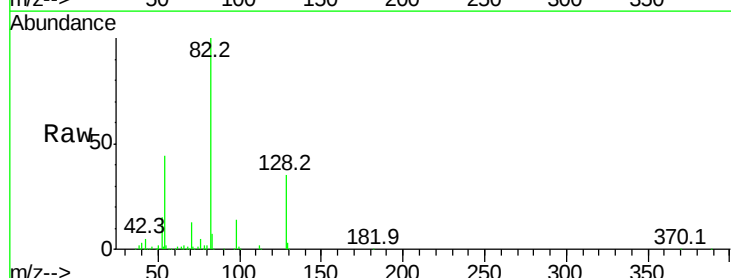


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

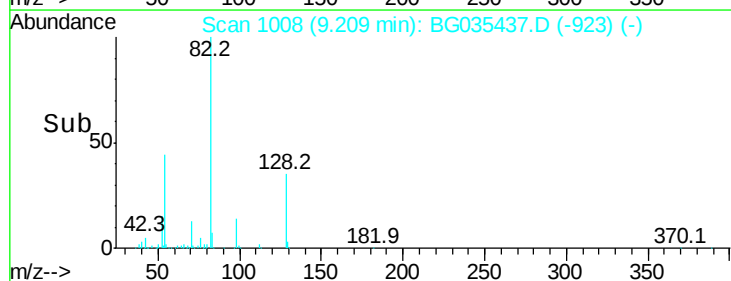
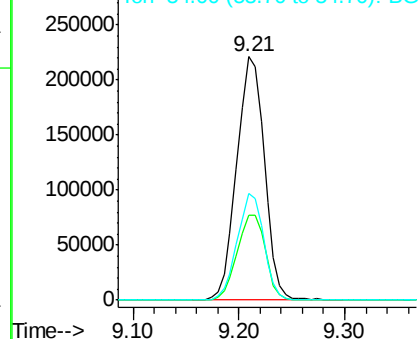


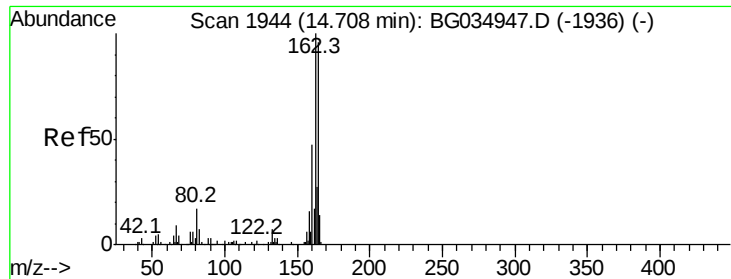
#23
Nitrobenzene-d5
Concen: 100.168 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BG035437.D
Acq: 27 Jun 2018 9:10

Tgt Ion:	82	Resp:	401756
Ion	Ratio	Lower	Upper
82	100		
128	34.8	29.7	44.5
54	43.9	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: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035437.D

Acq: 27 Jun 2018 9:10

Instrument :

BNA_G

ClientSampleId :

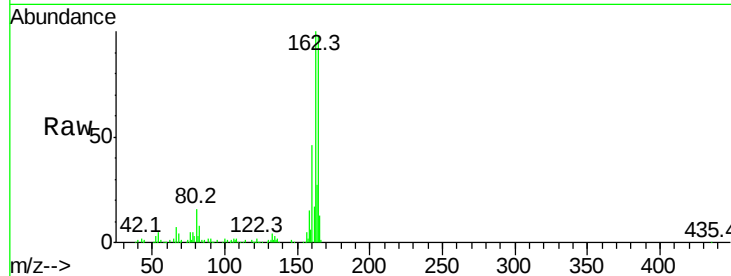
Tot Ion:164 Resp: 140383

Ion Ratio Lower Upper

164 100

162 101.7 78.8 118.2

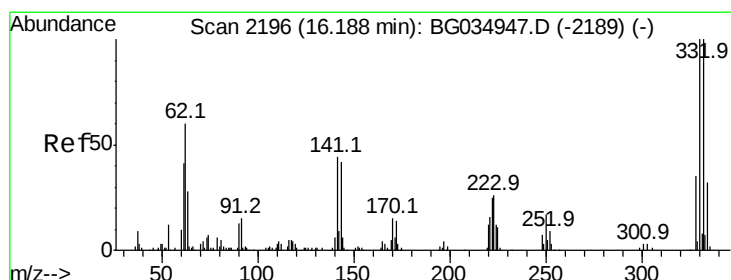
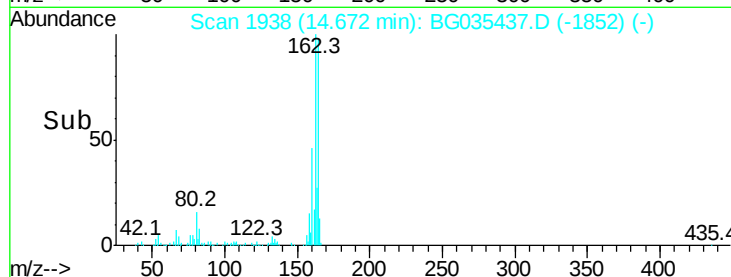
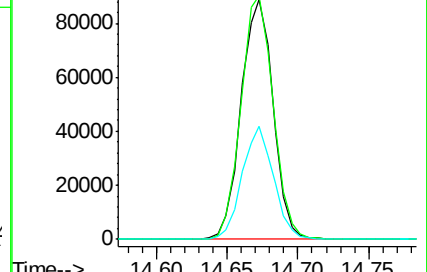
160 47.0 35.4 53.0



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: 166.539 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035437.D

Acq: 27 Jun 2018 9:10

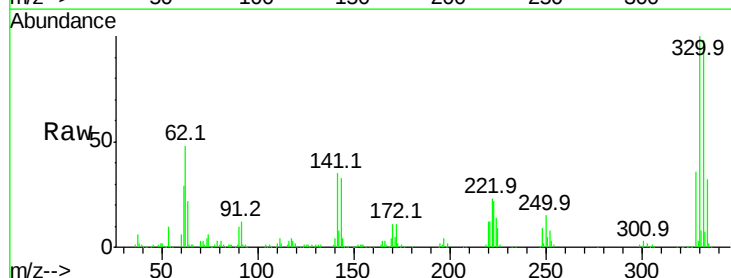
Tgt Ion:330 Resp: 299284

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

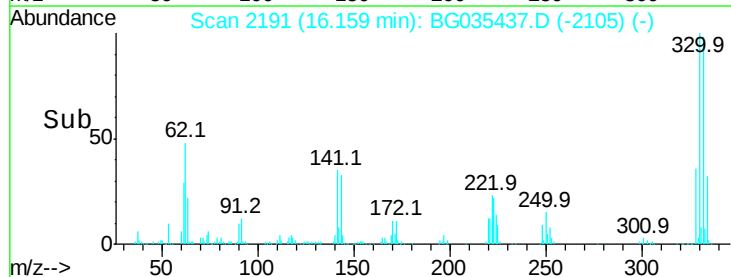
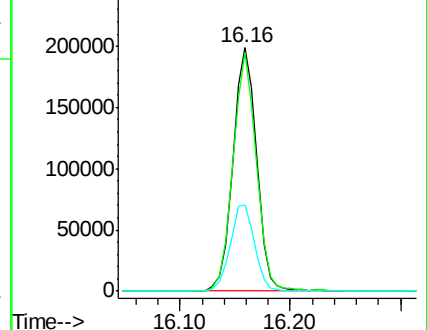
141 36.6 25.2 37.8

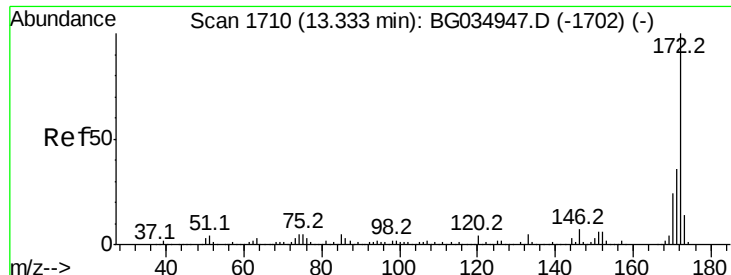


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

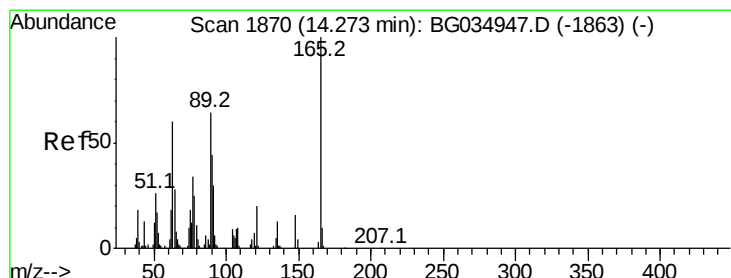
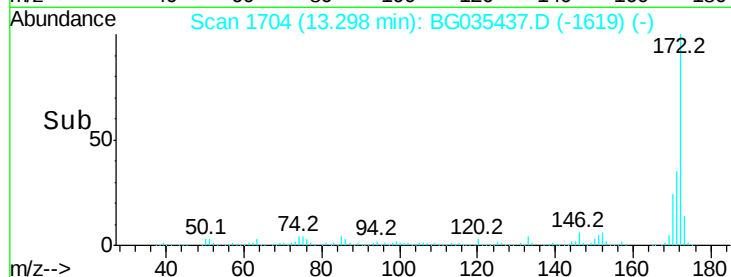
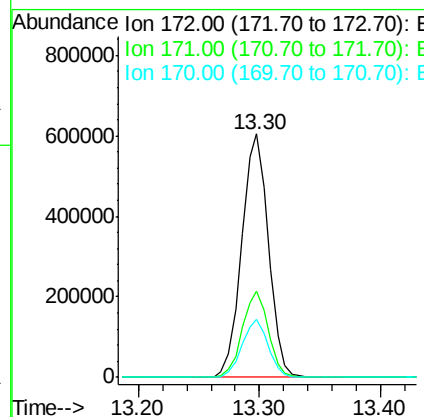
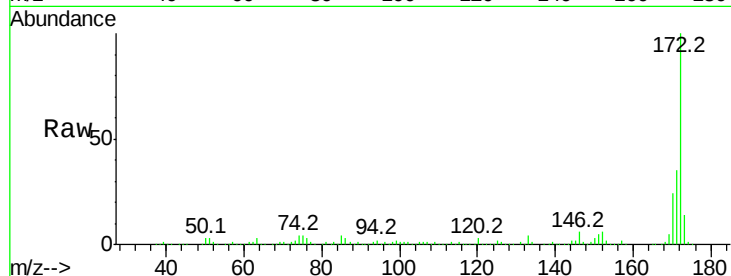




#44
 2-Fluorobiphenyl
 Concen: 86.181 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035437.D
 Acq: 27 Jun 2018 9:10

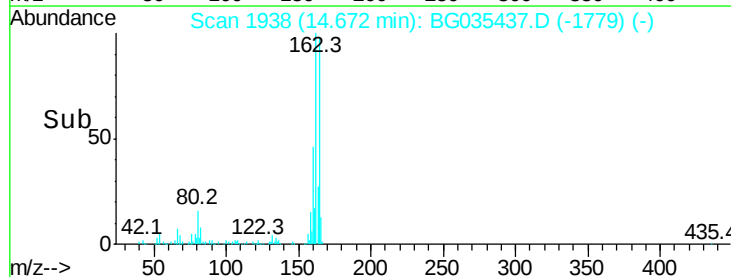
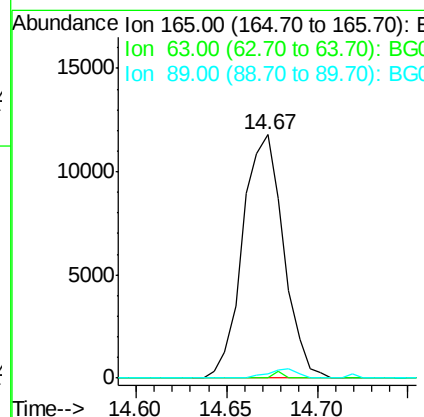
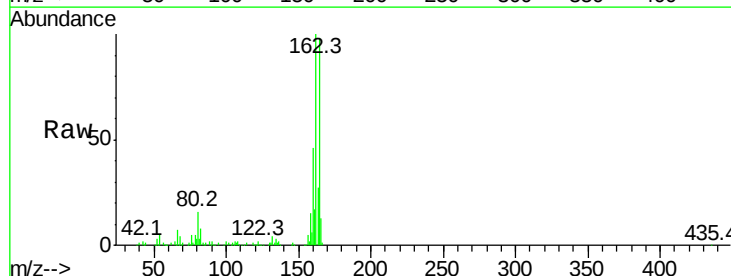
Instrument :
 BNA_G
 ClientSampleId :

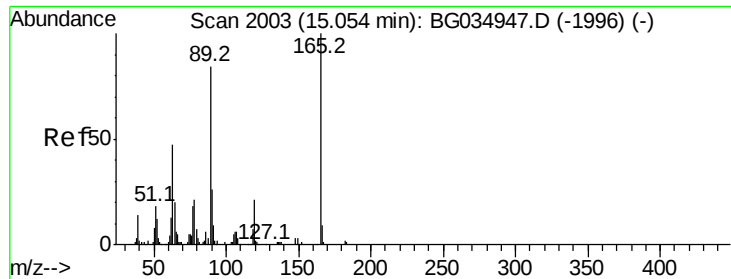
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.0	45.0
170	24.0	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.233 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.40 min
 Lab File: BG035437.D
 Acq: 27 Jun 2018 9:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.7	49.2	73.8#

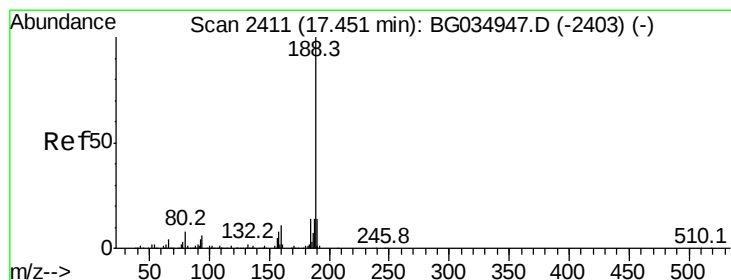
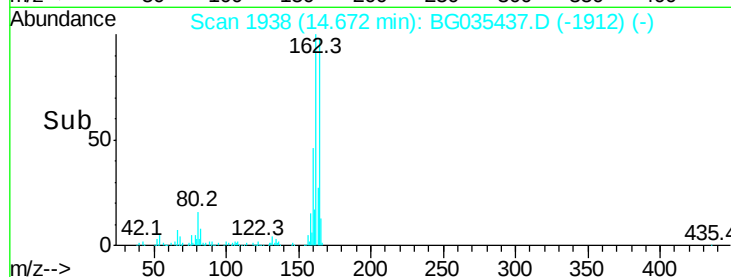
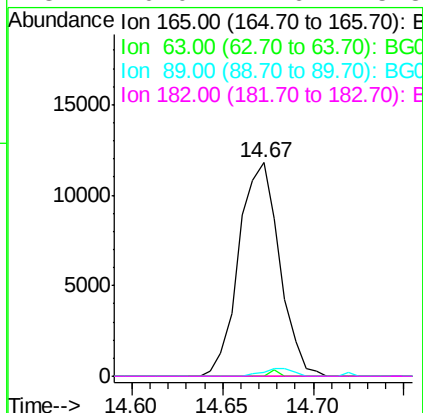
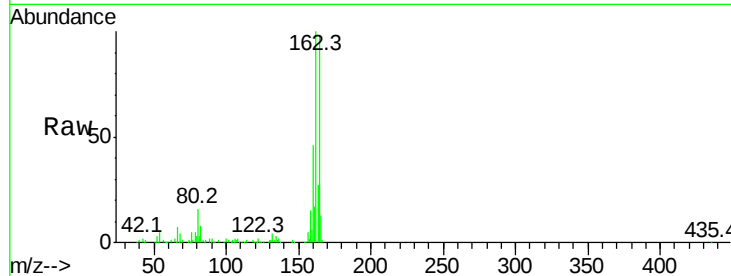




#56
2,4-Dinitrotoluene
Concen: 6.198 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.38 min
Lab File: BG035437.D
Acq: 27 Jun 2018 9:10

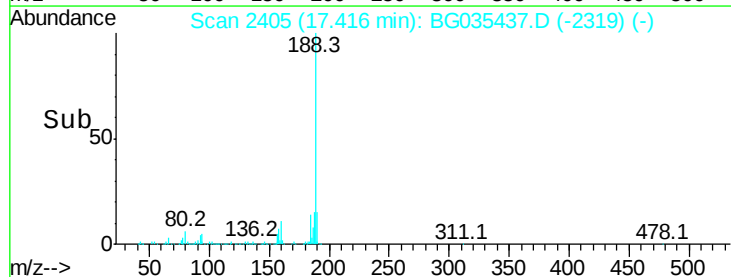
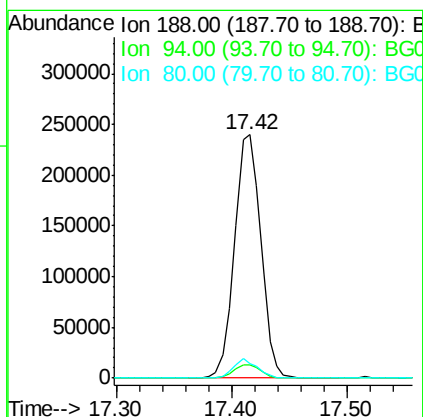
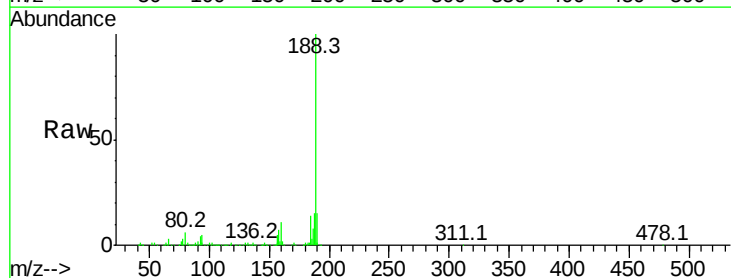
Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 18388
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.7 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BG035437.D
Acq: 27 Jun 2018 9:10

Tgt Ion:188 Resp: 378116
Ion Ratio Lower Upper
188 100
94 5.2 6.9 10.3#
80 6.1 7.7 11.5#

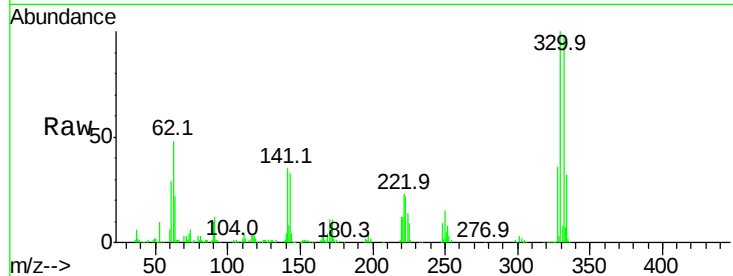




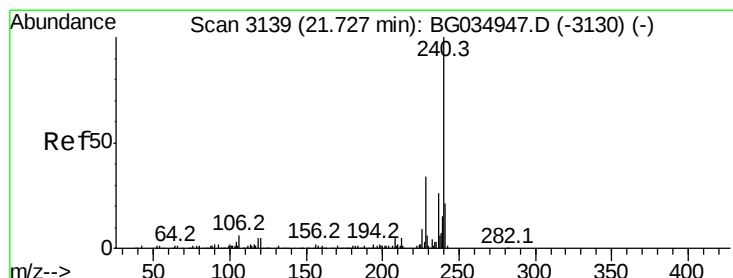
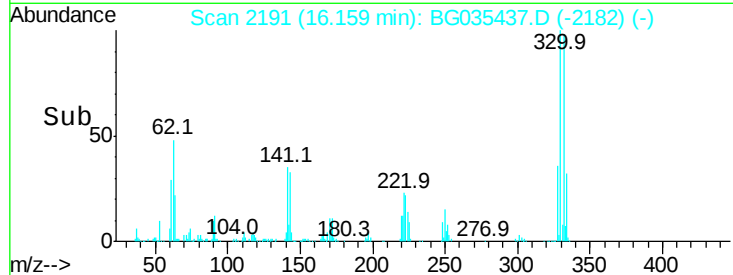
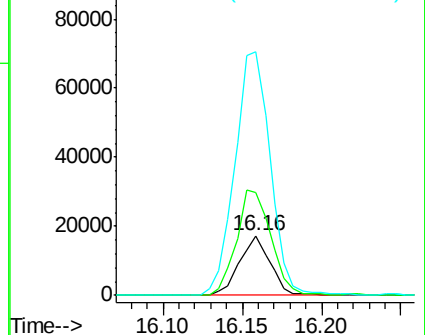
#66
 4-Bromophenyl-phenylether
 Concen: 5.110 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.48 min
 Lab File: BG035437.D
 Acq: 27 Jun 2018 9:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	172.9	77.1	115.7#
141	410.5	50.8	76.2#

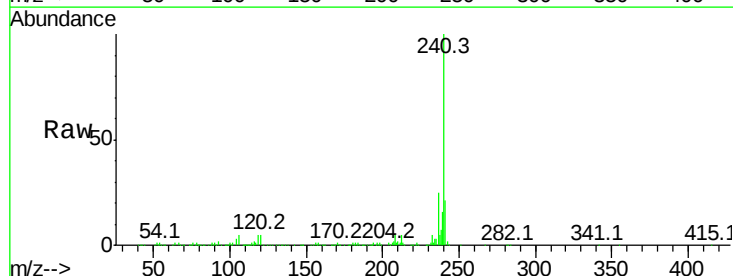


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

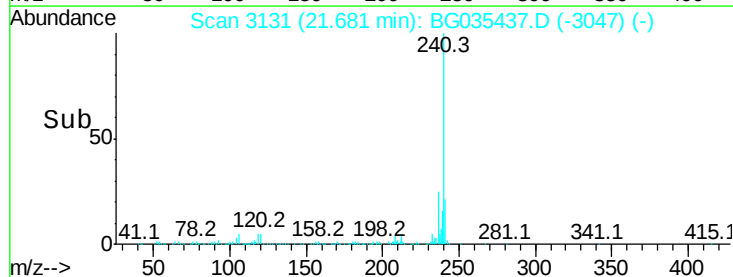
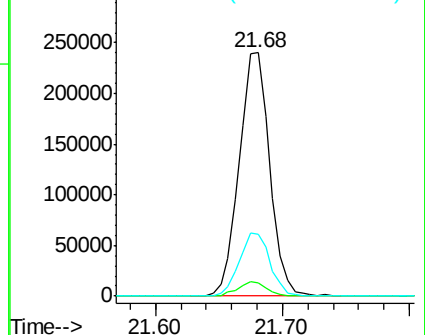


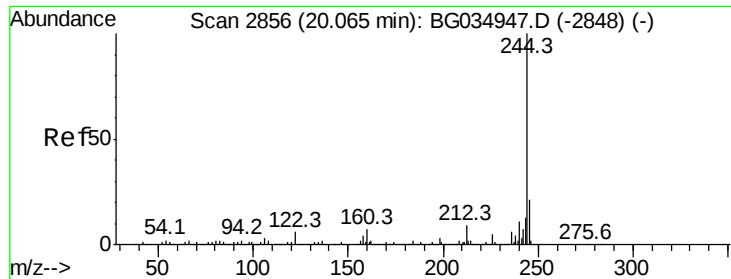
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.04 min
 Lab File: BG035437.D
 Acq: 27 Jun 2018 9:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	6.8	10.2#
236	25.5	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





#78

Terphenyl-d14

Concen: 88.761 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035437.D

Acq: 27 Jun 2018 9:10

Instrument :

BNA_G

ClientSampleId :

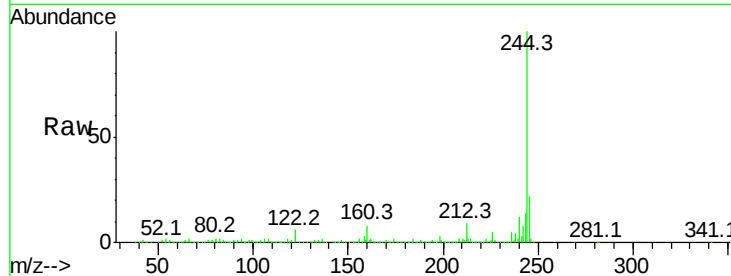
Tot Ion:244 Resp: 1699709

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

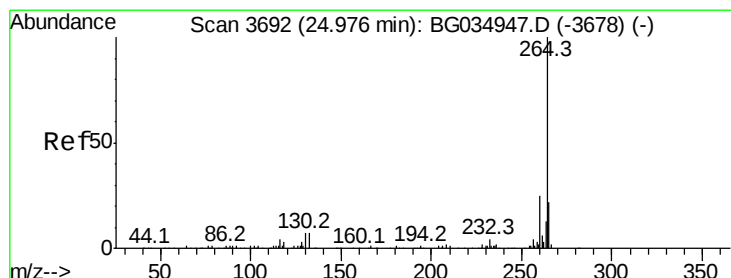
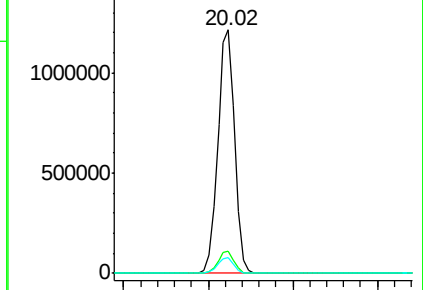
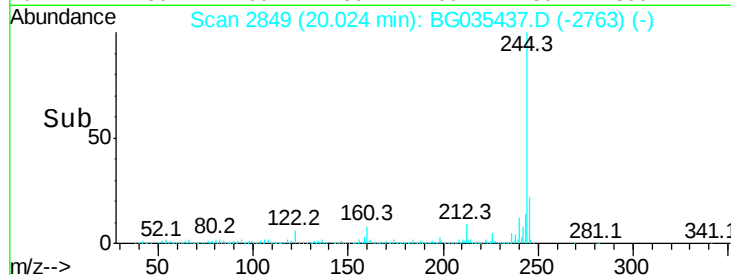
122 6.3 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.89 min Scan# 3678

Delta R.T. -0.06 min

Lab File: BG035437.D

Acq: 27 Jun 2018 9:10

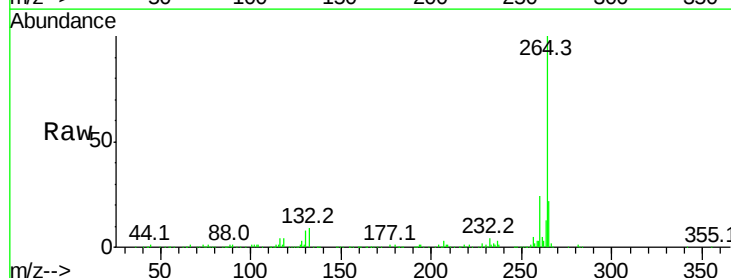
Tgt Ion:264 Resp: 376520

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 21.9 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

