

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062518\
 Data File : BG035394.D
 Acq On : 26 Jun 2018 2:35
 Operator : JU/SJ
 Sample : J3241-18
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 26 06:43:34 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

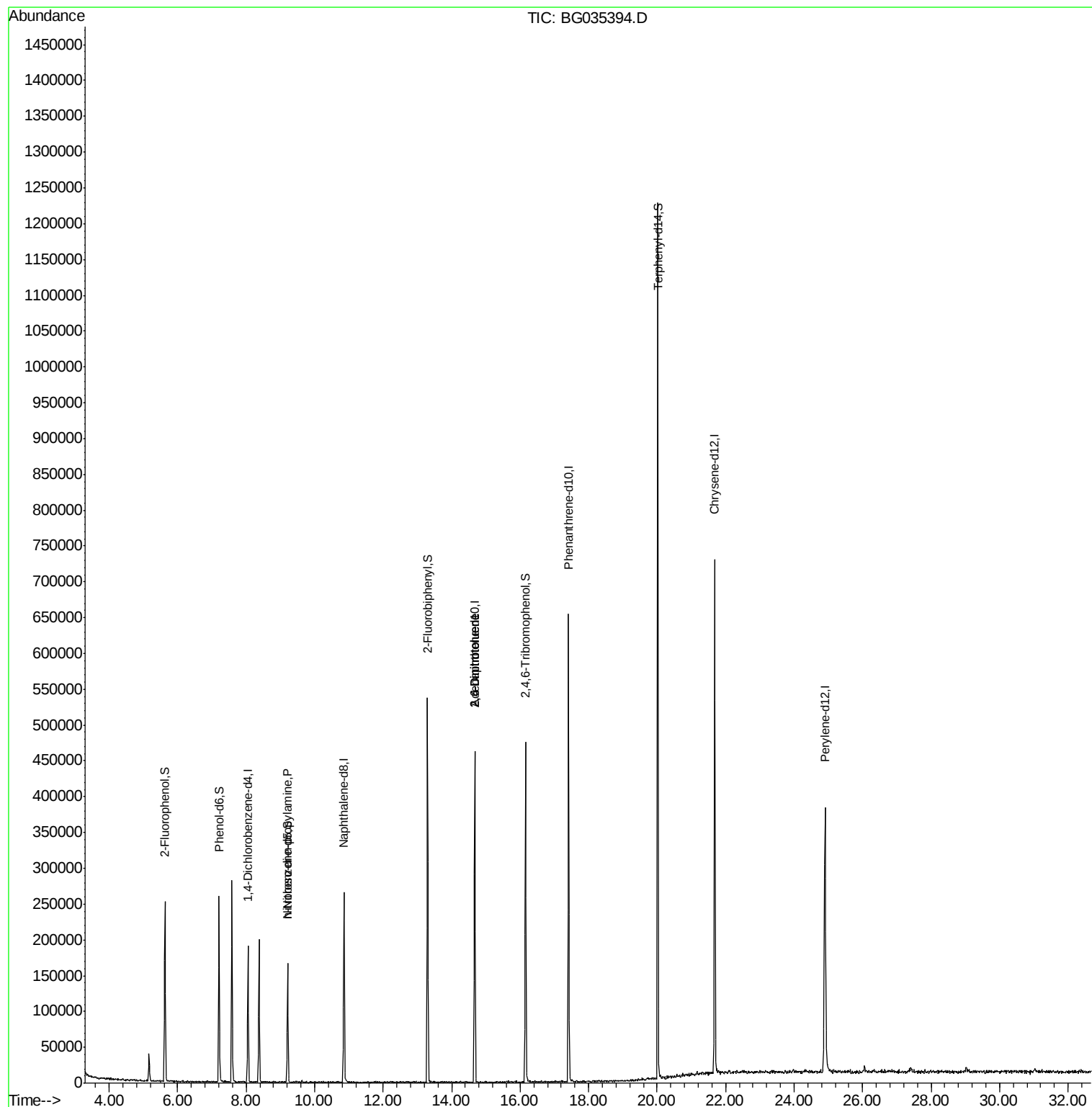
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	55336	20.00	ng	-0.03
21) Naphthalene-d8	10.86	136	220299	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	162500	20.00	ng	-0.02
63) Phenanthrene-d10	17.41	188	430655	20.00	ng	-0.03
75) Chrysene-d12	21.68	240	473227	20.00	ng	-0.03
86) Perylene-d12	24.90	264	441756	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	116032	35.39	ng	-0.02
7) Phenol-d6	7.21	99	156262	32.29	ng	-0.02
23) Nitrobenzene-d5	9.21	82	117669	25.39	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	89676	43.11	ng	-0.02
44) 2-Fluorobiphenyl	13.29	172	285474	22.84	ng	-0.03
78) Terphenyl-d14	20.02	244	607864	26.91	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	15605	3.795	ng	# 71
50) 2,6-Dinitrotoluene	14.67	165	20792	8.043	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	20792	6.055	ng	# 18

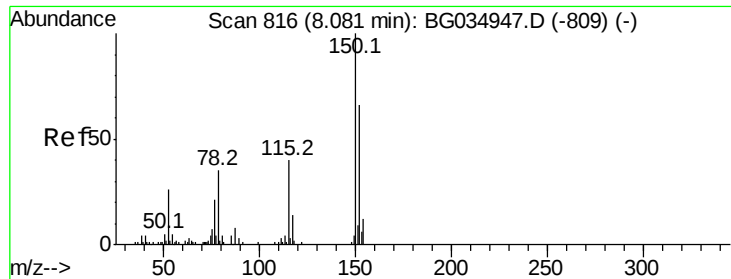
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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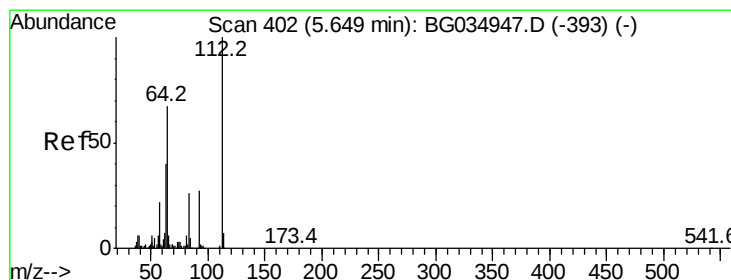
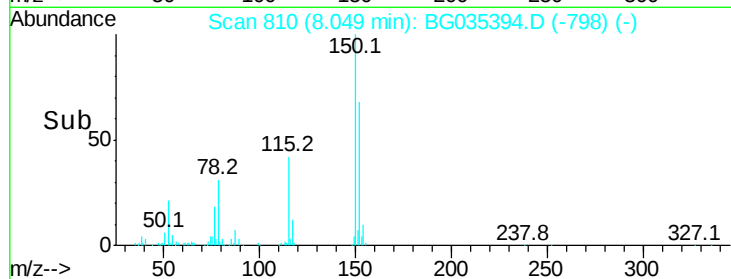
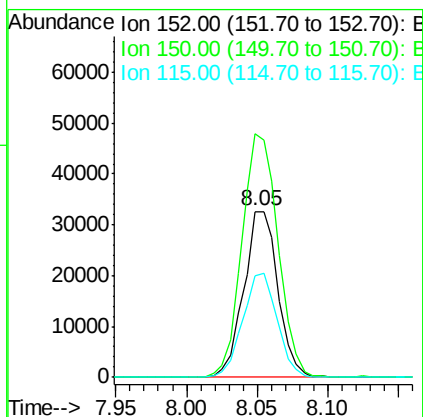
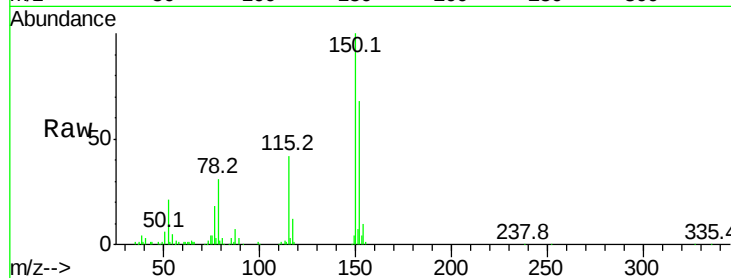


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.03 min
Lab File: BG035394.D
Acq: 26 Jun 2018 2:35

Instrument :
BNA_G
ClientSampleId :

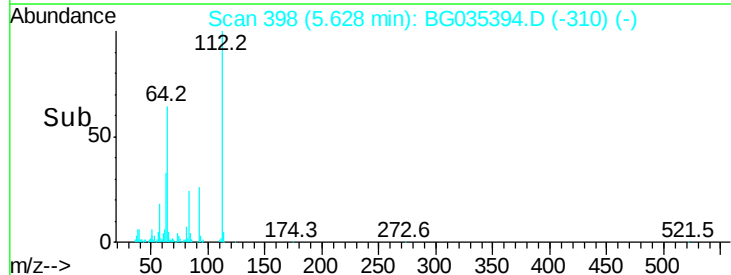
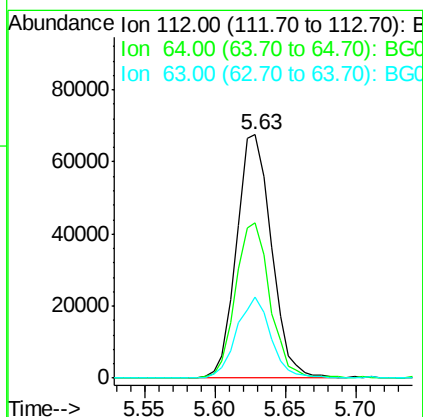
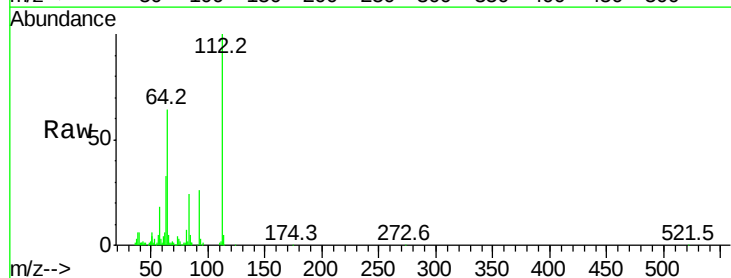
Tot Ion:152 Resp: 55336
Ion Ratio Lower Upper
152 100
150 146.9 126.6 189.8
115 61.3 53.0 79.4

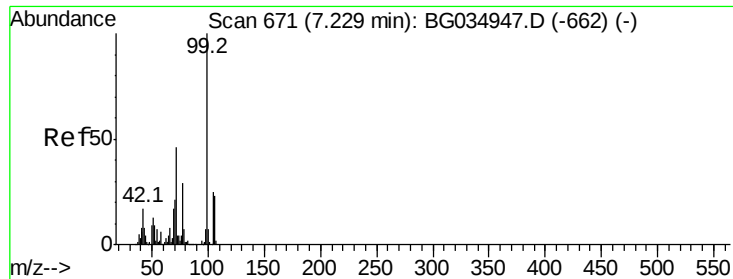


#5

2-Fluorophenol
Concen: 35.387 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.02 min
Lab File: BG035394.D
Acq: 26 Jun 2018 2:35

Tgt Ion:112 Resp: 116032
Ion Ratio Lower Upper
112 100
64 63.9 56.3 84.5
63 33.2 30.1 45.1





#7

Phenol-d6

Concen: 32.289 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BG035394.D

Acq: 26 Jun 2018 2:35

Instrument :

BNA_G

ClientSampleId :

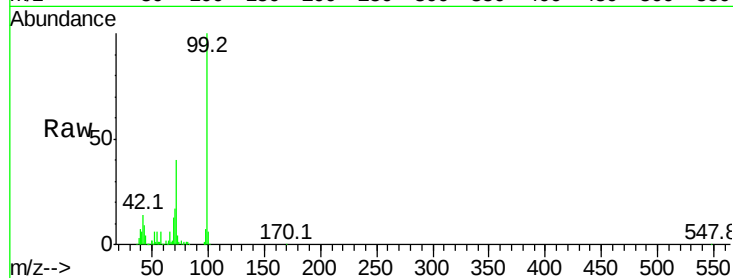
Tot Ion: 99 Resp: 156262

Ion Ratio Lower Upper

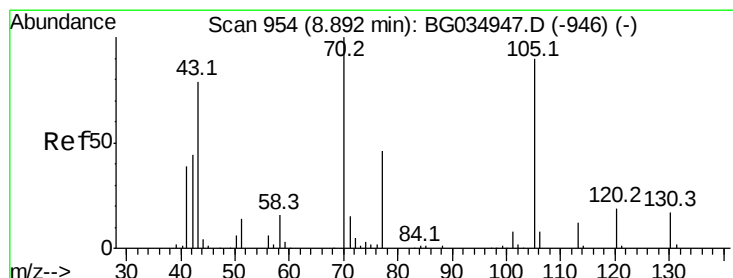
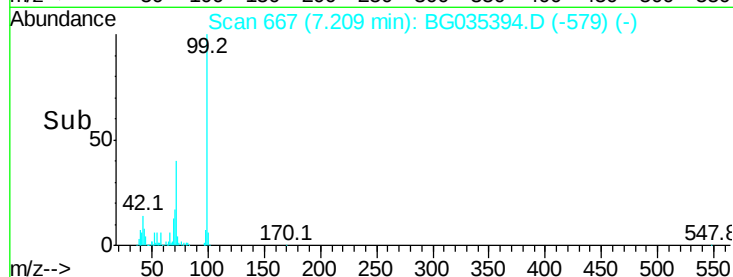
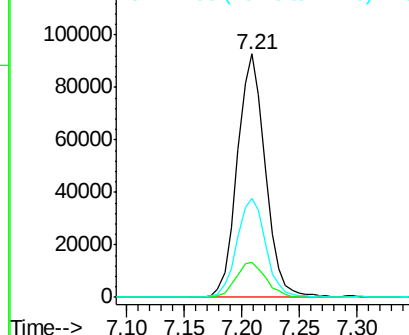
99 100

42 14.4 14.1 21.1

71 40.4 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: 3.795 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035394.D

Acq: 26 Jun 2018 2:35

Tgt Ion: 70 Resp: 15605

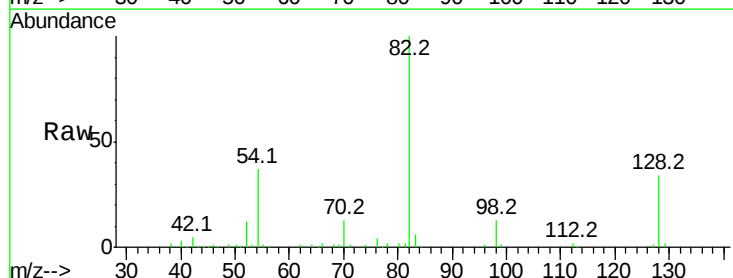
Ion Ratio Lower Upper

70 100

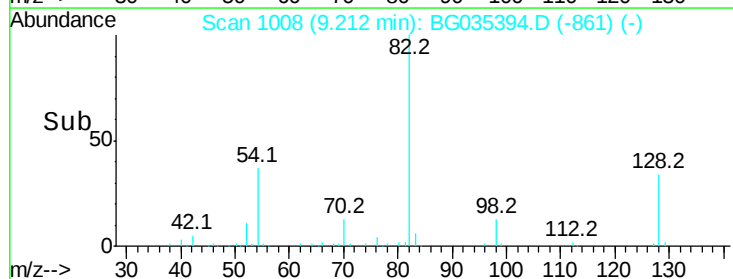
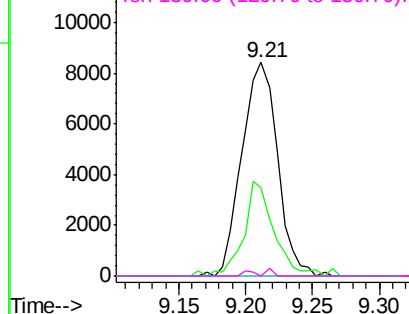
42 41.3 49.1 73.7#

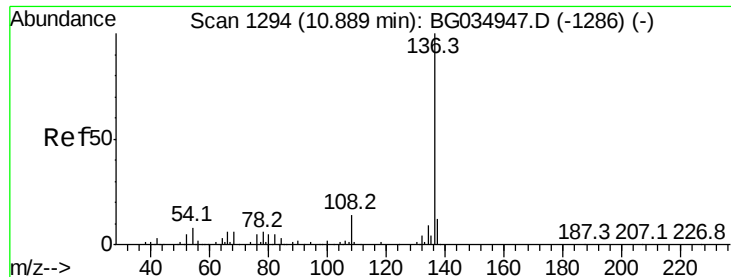
101 0.0 8.5 12.7#

130 0.0 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

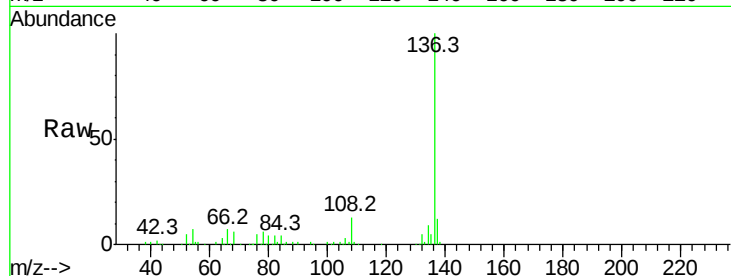




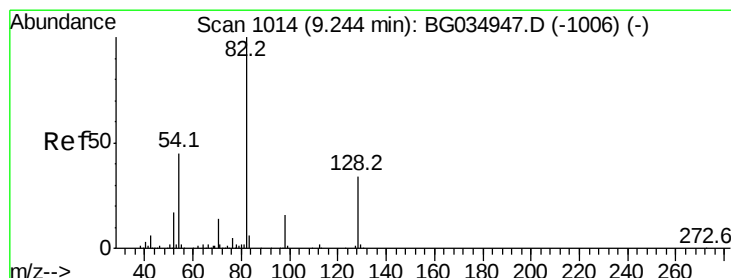
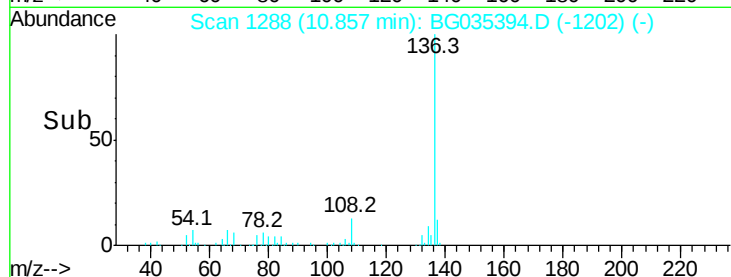
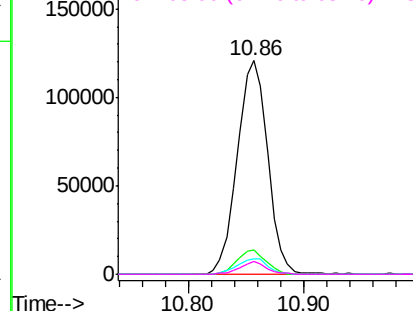
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035394.D
Acq: 26 Jun 2018 2:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	220299
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.2	13.8
54	7.4	10.3	15.5#
68	5.8	4.5	6.7

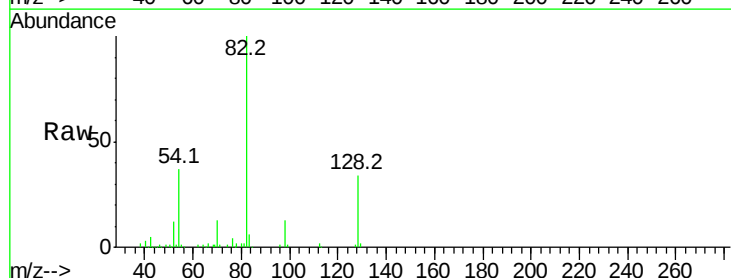


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

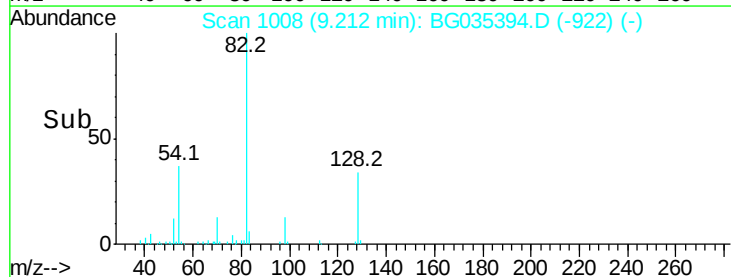
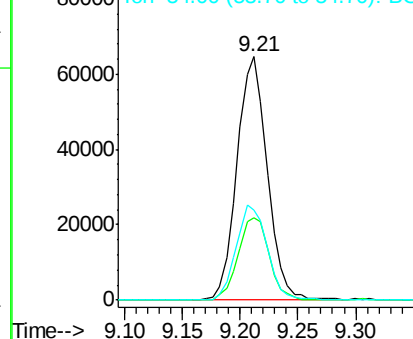


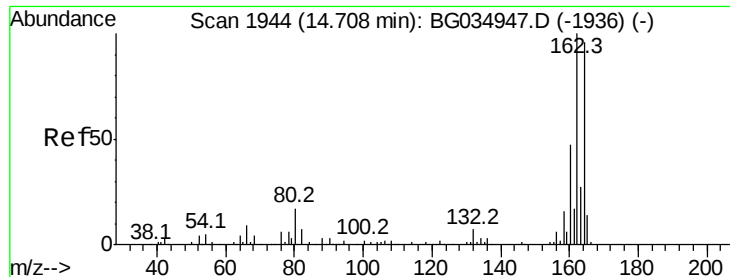
#23
Nitrobenzene-d5
Concen: 25.390 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BG035394.D
Acq: 26 Jun 2018 2:35

Tgt Ion:	82	Resp:	117669
Ion Ratio	Lower	Upper	
82	100		
128	33.7	29.7	44.5
54	36.9	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: BG035394.D

Acq: 26 Jun 2018 2:35

Instrument :

BNA_G

ClientSampleId :

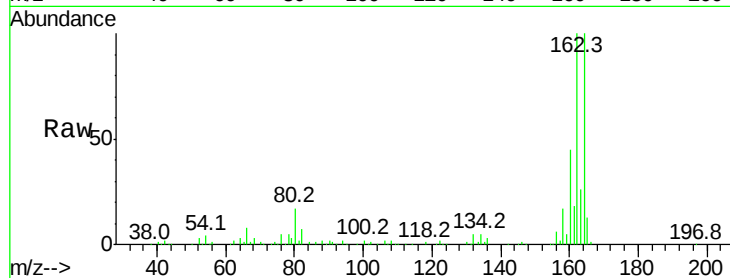
Tot Ion:164 Resp: 162500

Ion Ratio Lower Upper

164 100

162 100.1 78.8 118.2

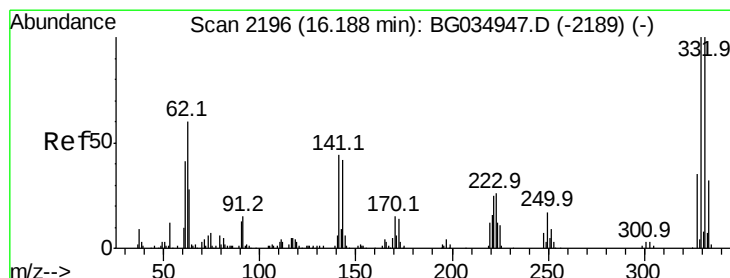
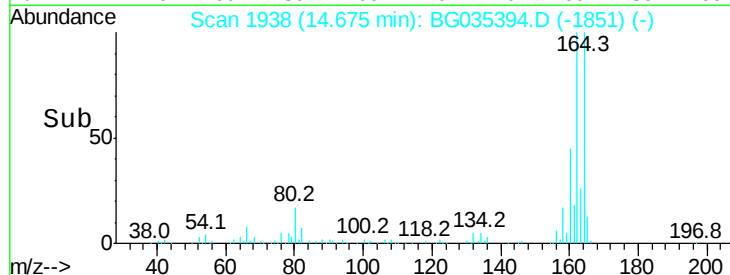
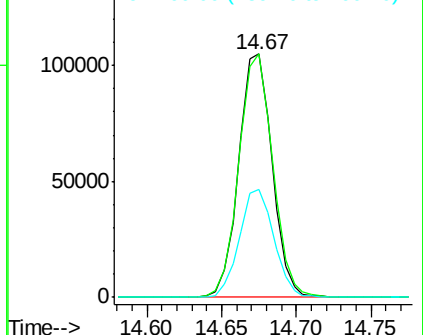
160 44.6 35.4 53.0



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: 43.109 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035394.D

Acq: 26 Jun 2018 2:35

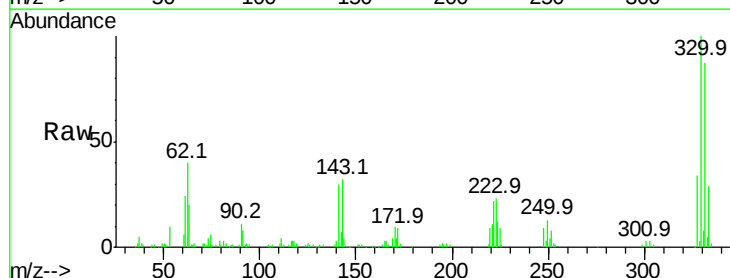
Tgt Ion:330 Resp: 89676

Ion Ratio Lower Upper

330 100

332 94.0 77.0 115.6

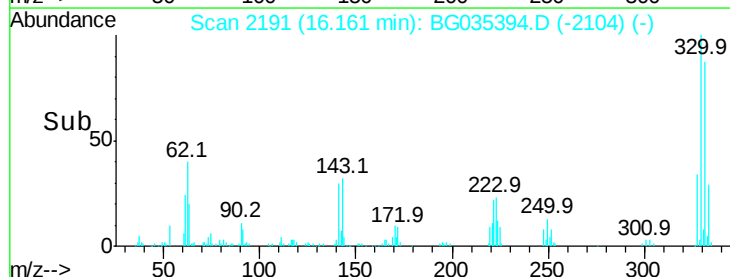
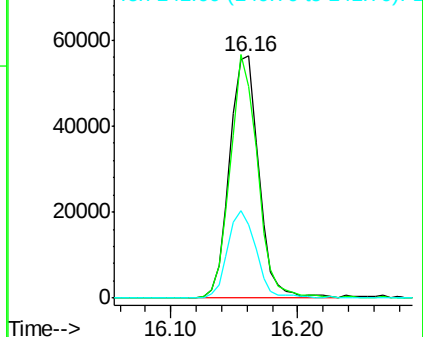
141 34.9 25.2 37.8

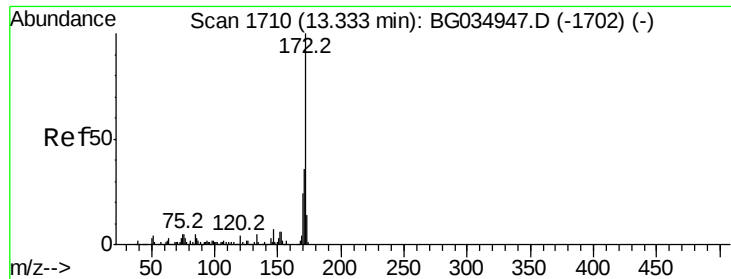


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

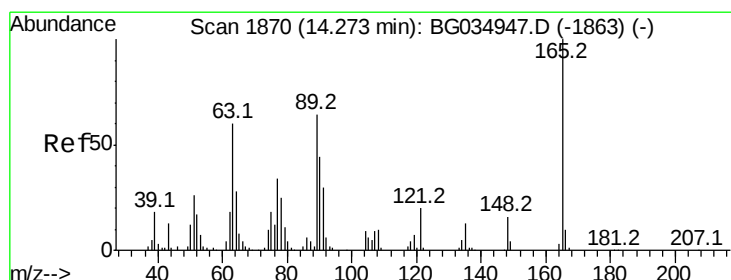
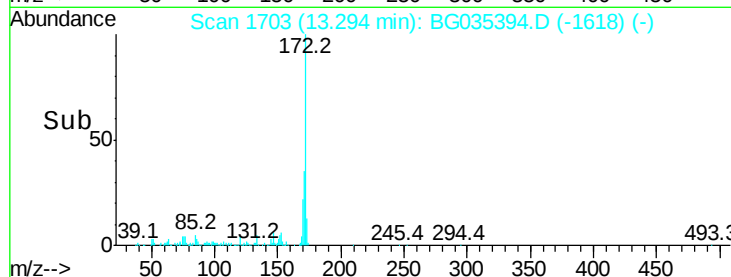
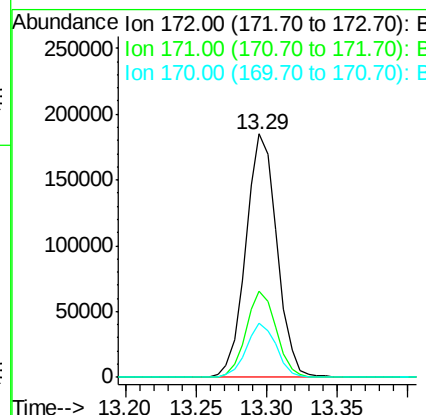
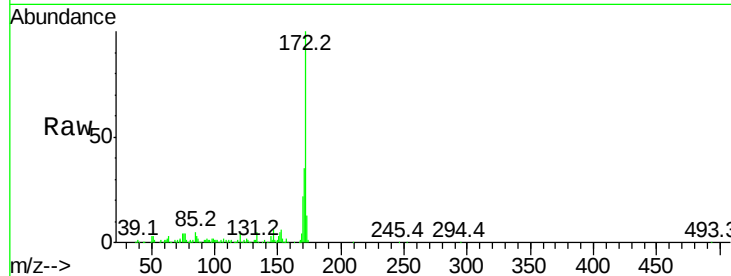




#44
2-Fluorobiphenyl
Concen: 22.838 ng
RT: 13.29 min Scan# 1703
Delta R.T. -0.03 min
Lab File: BG035394.D
Acq: 26 Jun 2018 2:35

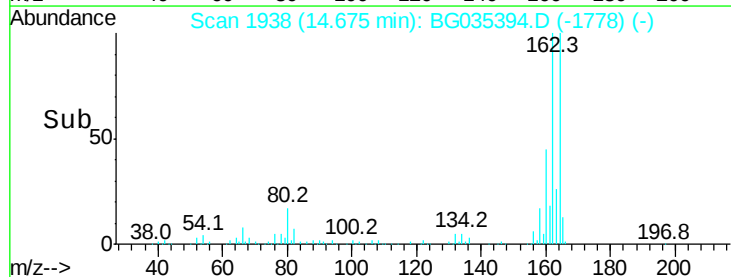
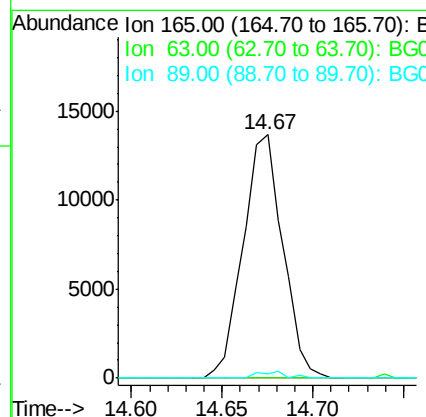
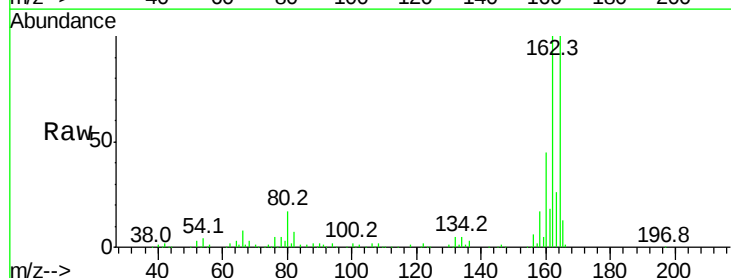
Instrument :
BNA_G
ClientSampleId :

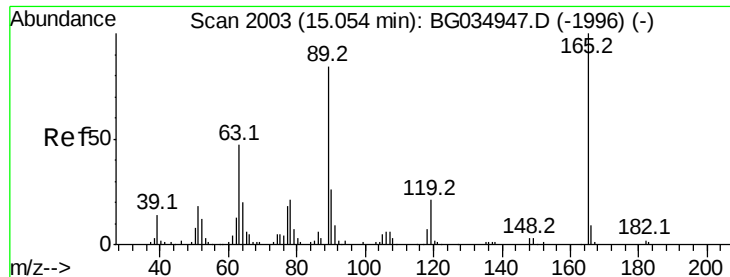
Tot Ion:172 Resp: 285474
Ion Ratio Lower Upper
172 100
171 35.4 30.0 45.0
170 22.1 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.043 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.41 min
Lab File: BG035394.D
Acq: 26 Jun 2018 2:35

Tgt Ion:165 Resp: 20792
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.9 49.2 73.8#

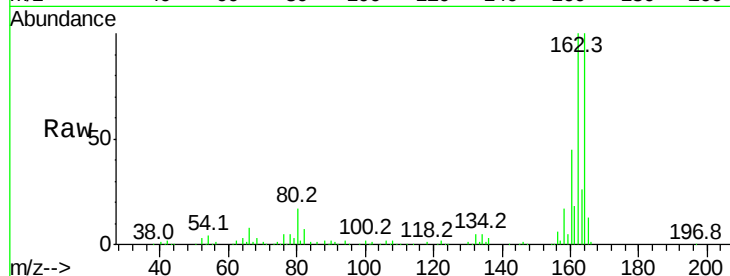




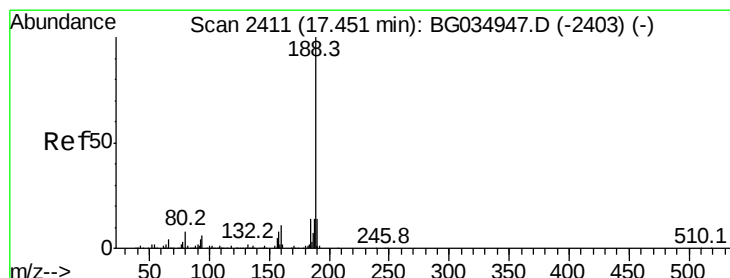
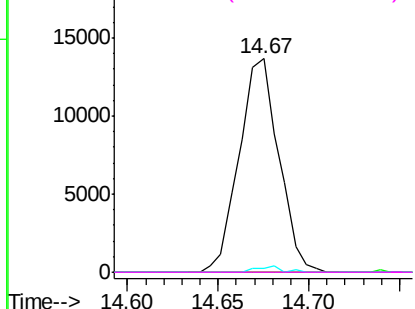
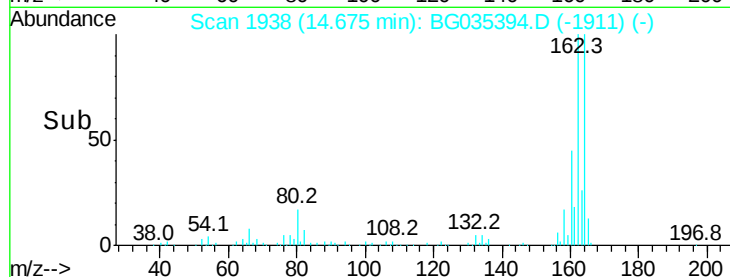
#56
2,4-Dinitrotoluene
Concen: 6.055 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.37 min
Lab File: BG035394.D
Acq: 26 Jun 2018 2:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 20792
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.9 66.9 100.3#
182 0.0 2.6 3.8#

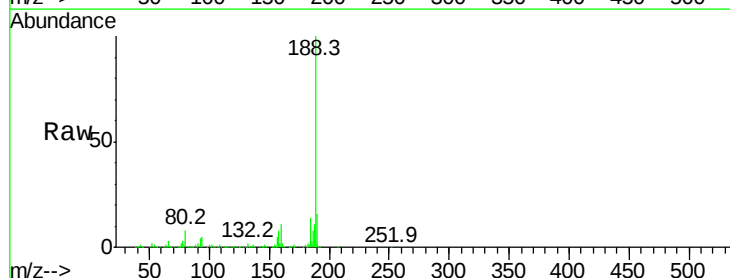


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

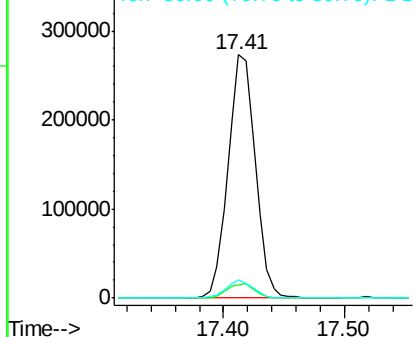
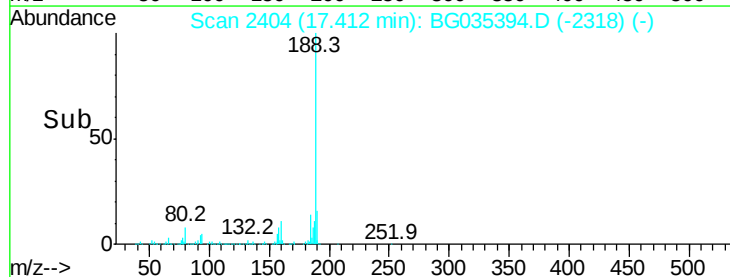


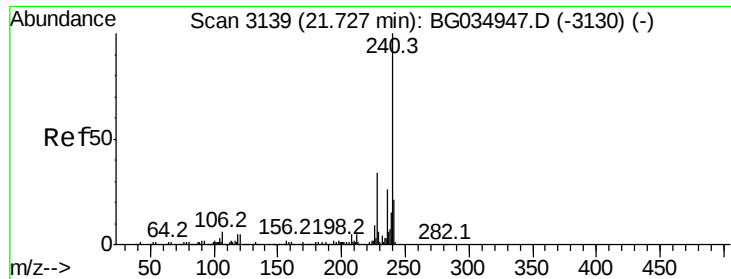
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2404
Delta R.T. -0.03 min
Lab File: BG035394.D
Acq: 26 Jun 2018 2:35

Tgt Ion:188 Resp: 430655
Ion Ratio Lower Upper
188 100
94 5.5 6.9 10.3#
80 7.7 7.7 11.5



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: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.03 min

Lab File: BG035394.D

Acq: 26 Jun 2018 2:35

Instrument :

BNA_G

ClientSampleId :

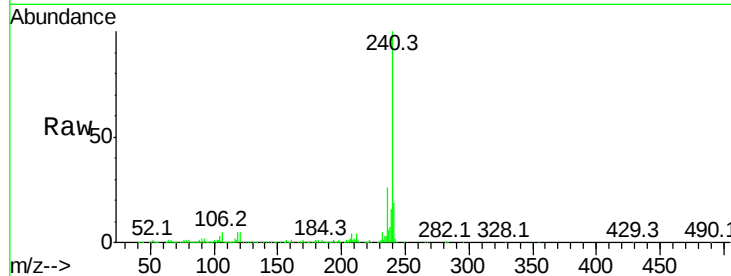
Tot Ion:240 Resp: 473227

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

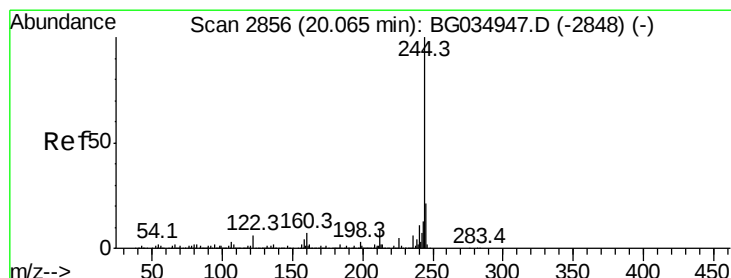
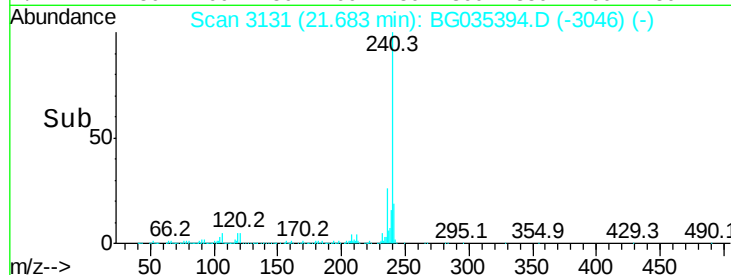
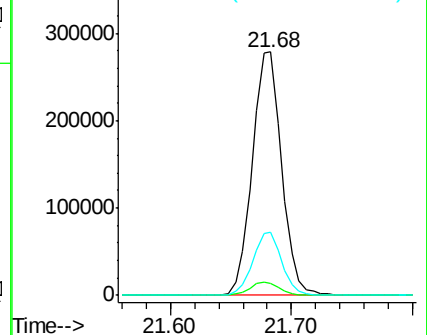
236 25.7 20.9 31.3



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: 26.906 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.03 min

Lab File: BG035394.D

Acq: 26 Jun 2018 2:35

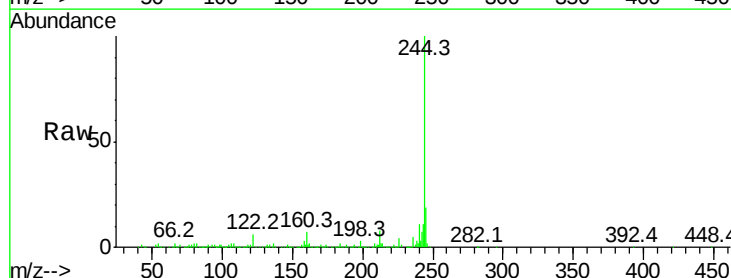
Tgt Ion:244 Resp: 607864

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

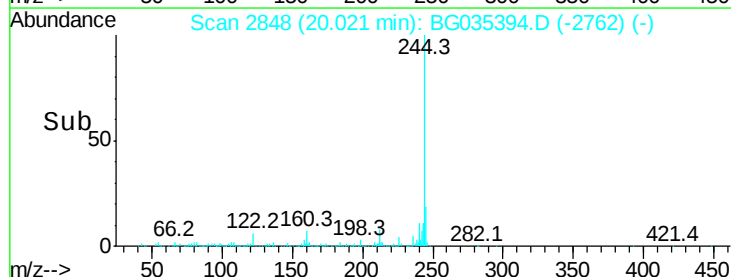
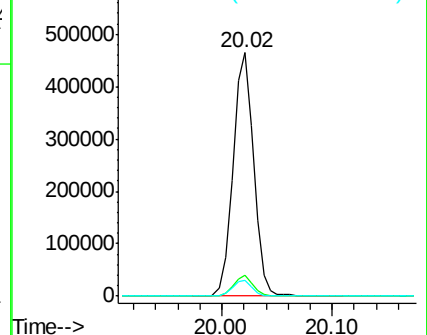
122 6.3 7.0 10.4#

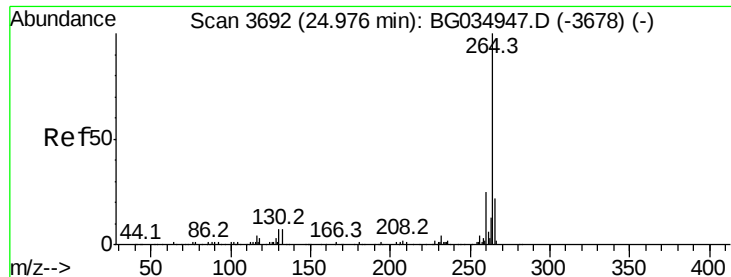


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

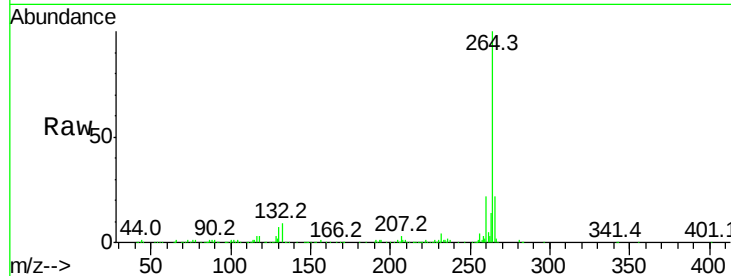




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3679
 Delta R.T. -0.05 min
 Lab File: BG035394.D
 Acq: 26 Jun 2018 2:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.4	26.0
265	22.1	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

