

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062518\
 Data File : BG035396.D
 Acq On : 26 Jun 2018 3:52
 Operator : JU/SJ
 Sample : J3676-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 26 06:43:54 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

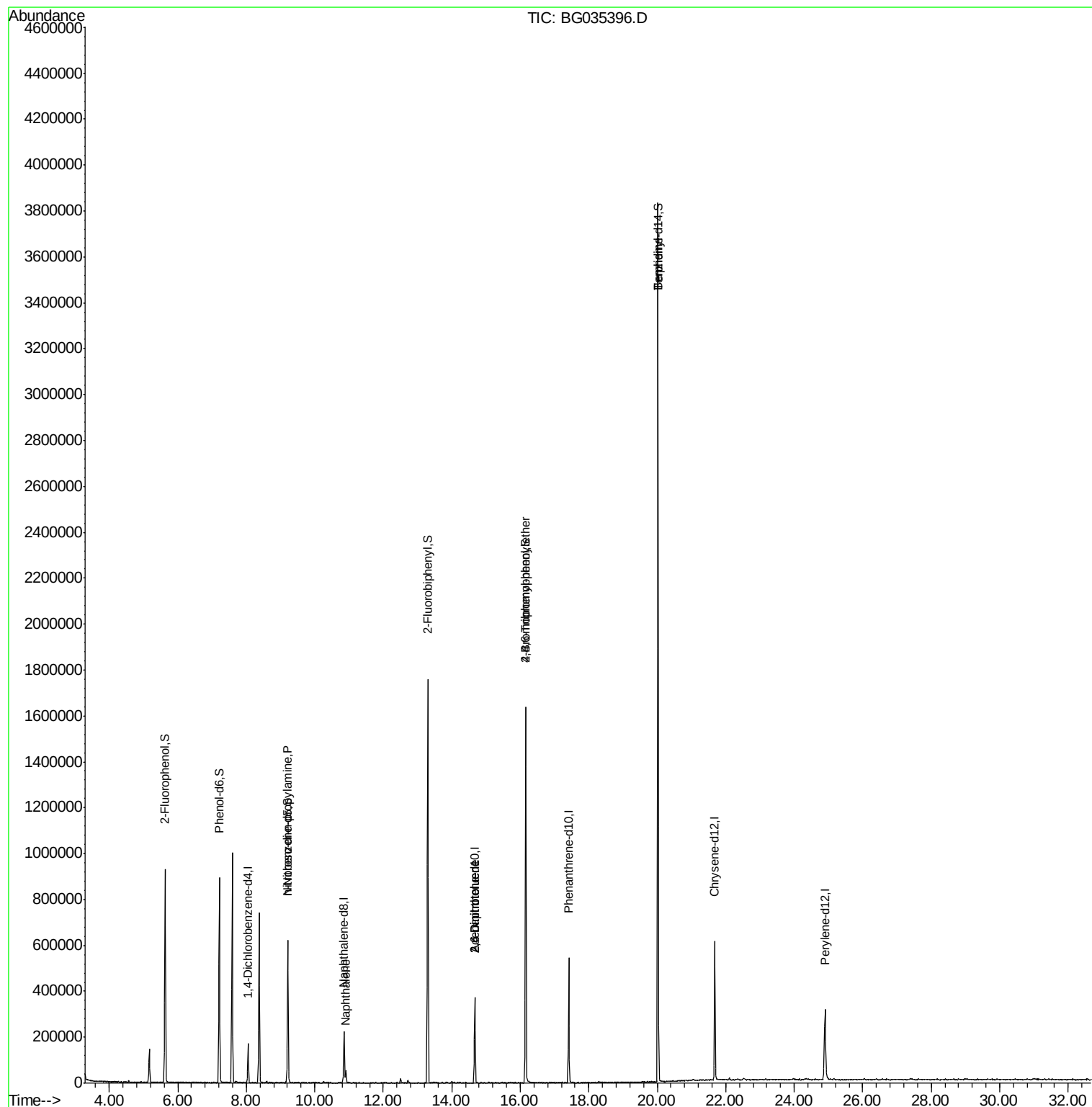
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	50586	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	183191	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	131420	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	353358	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	380939	20.00	ng	-0.04
86) Perylene-d12	24.90	264	352428	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	411353	137.23	ng	-0.01
7) Phenol-d6	7.21	99	537780	121.56	ng	-0.01
23) Nitrobenzene-d5	9.21	82	417804	108.41	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	299964	178.30	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	953075	94.28	ng	-0.03
78) Terphenyl-d14	20.02	244	1779495	97.85	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	58432	15.546	ng	Qvalue # 69
31) Naphthalene	10.91	128	44245	4.649	ng	# 98
50) 2,6-Dinitrotoluene	14.67	165	19017	9.096	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	19017	6.847	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	24902	5.852	ng	# 1
76) Benzidine	20.02	184	30770	2.171	ng	# 92

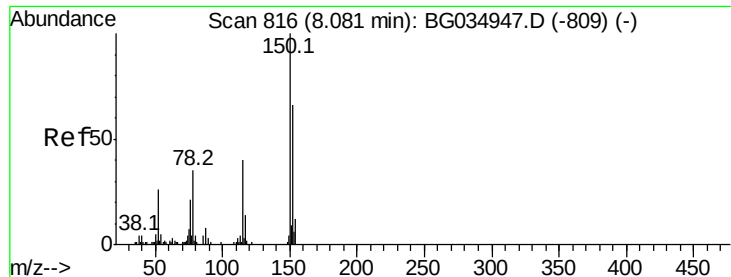
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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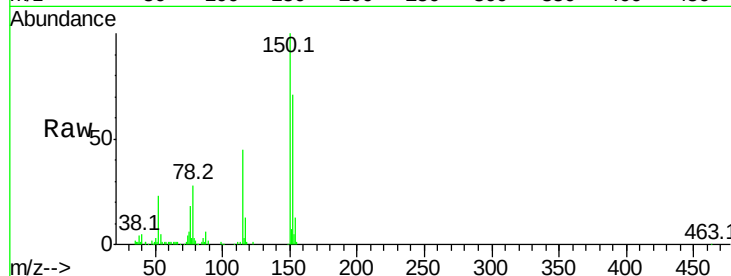


#1

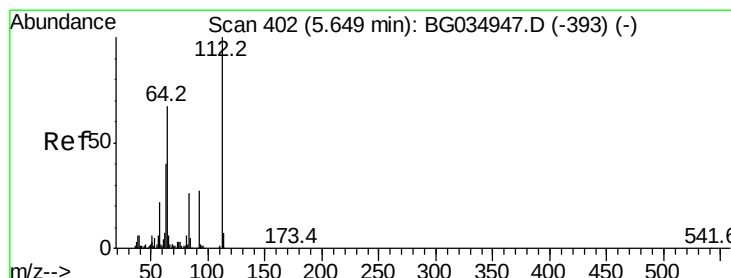
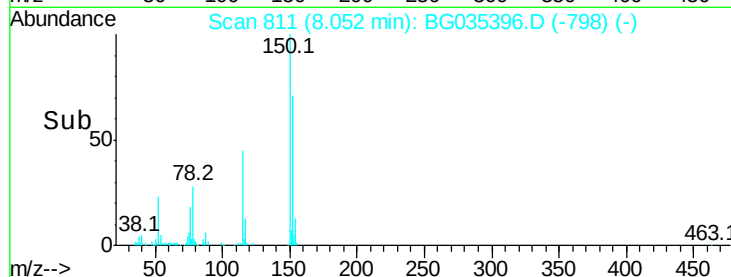
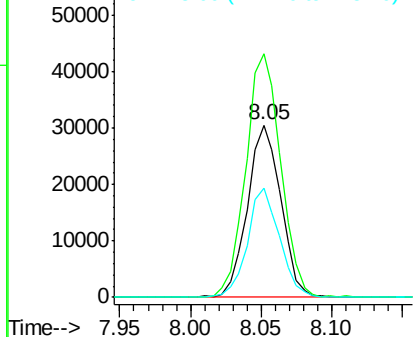
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035396.D
Acq: 26 Jun 2018 3:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.5	126.6	189.8
115	63.7	53.0	79.4



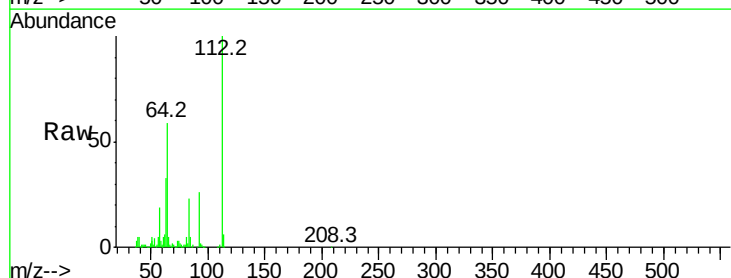
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



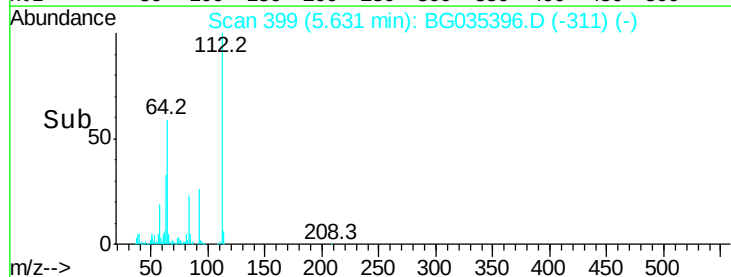
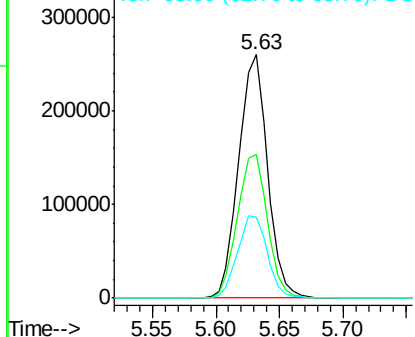
#5

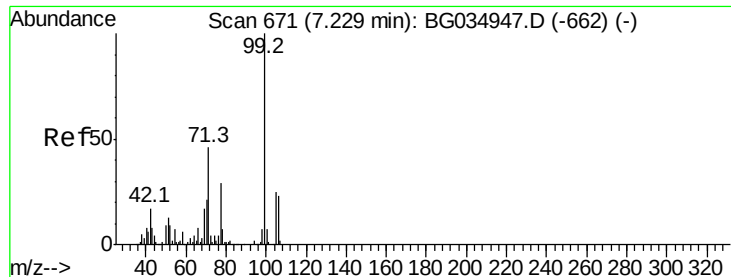
2-Fluorophenol
Concen: 137.232 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035396.D
Acq: 26 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	56.3	84.5
63	33.4	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: 121.556 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035396.D

Acq: 26 Jun 2018 3:52

Instrument :

BNA_G

ClientSampleId :

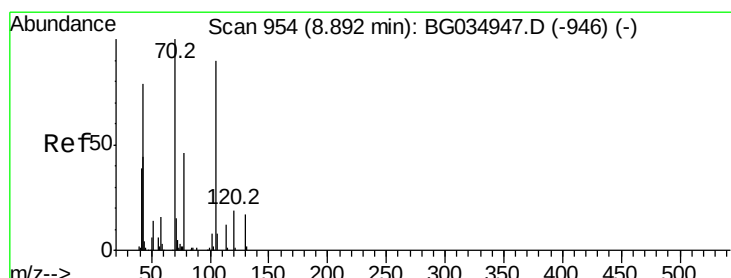
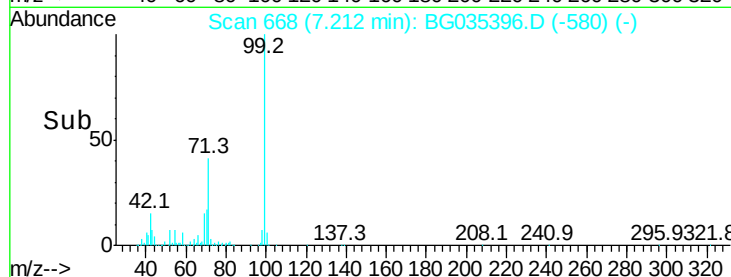
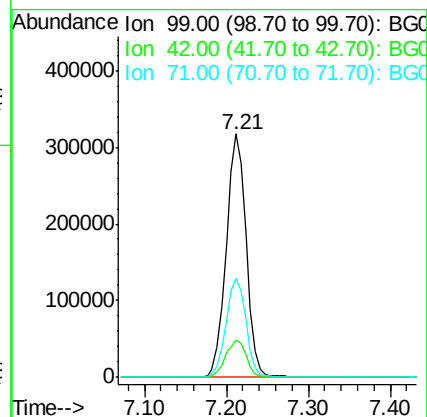
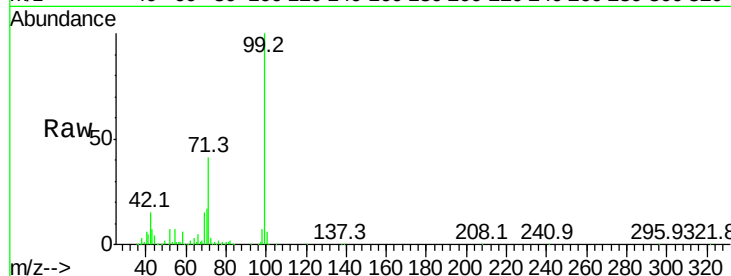
Tot Ion: 99 Resp: 537780

Ion Ratio Lower Upper

99 100

42 15.3 14.1 21.1

71 40.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.546 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035396.D

Acq: 26 Jun 2018 3:52

Tgt Ion: 70 Resp: 58432

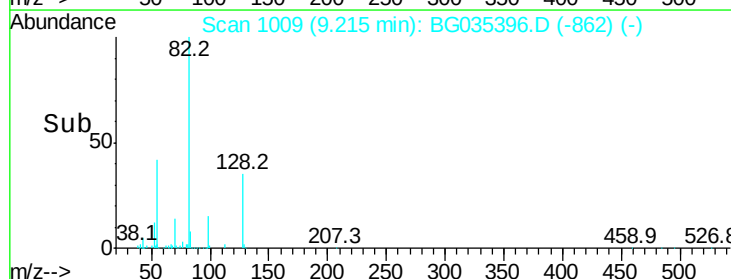
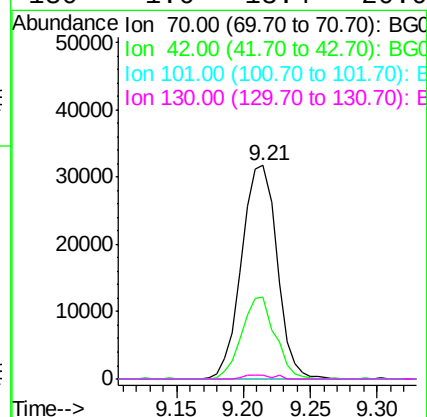
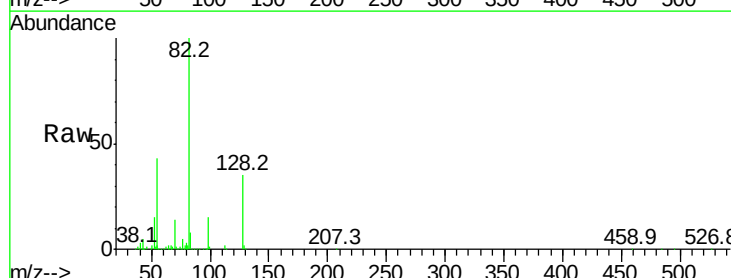
Ion Ratio Lower Upper

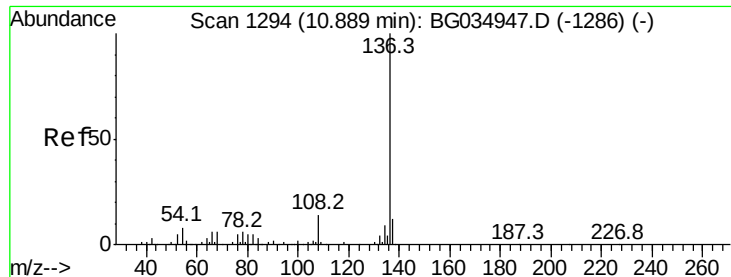
70 100

42 38.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

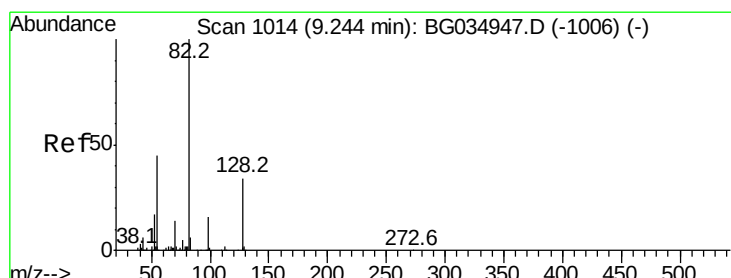
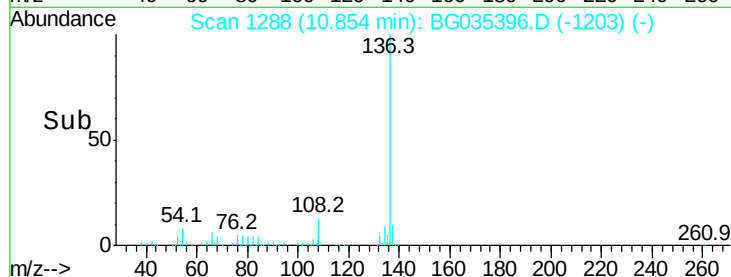
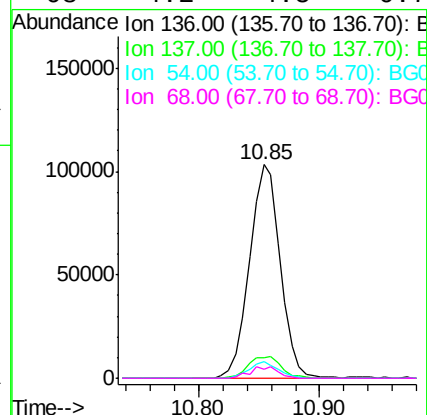
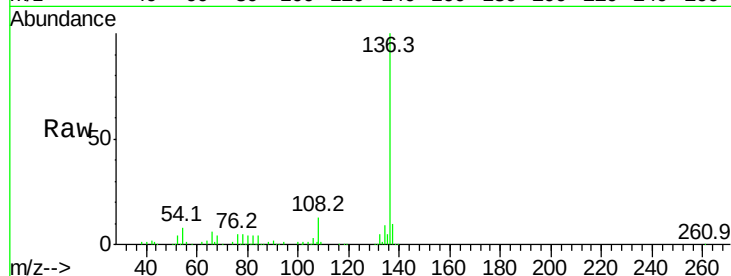




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035396.D
Acq: 26 Jun 2018 3:52

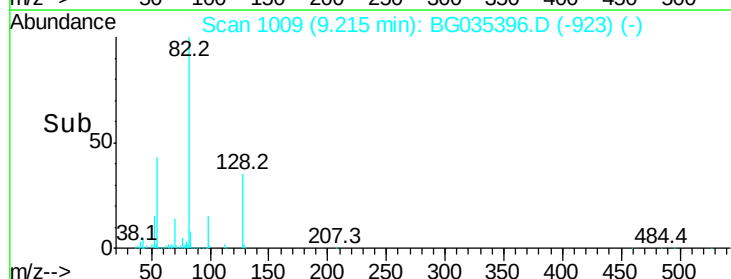
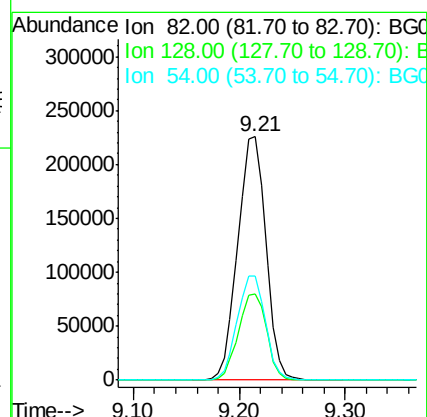
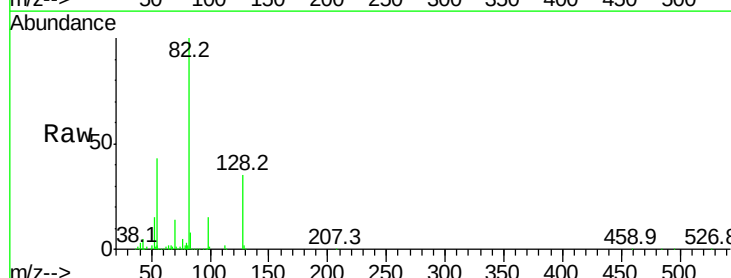
Instrument :
BNA_G
ClientSampleId :

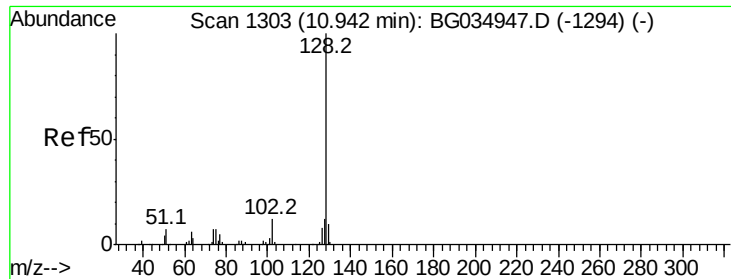
Tot Ion:	136	Resp:	183191
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	7.7	10.3	15.5#
68	4.2	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 108.412 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035396.D
Acq: 26 Jun 2018 3:52

Tgt Ion:	82	Resp:	417804
Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.7	44.5
54	42.8	43.1	64.7#

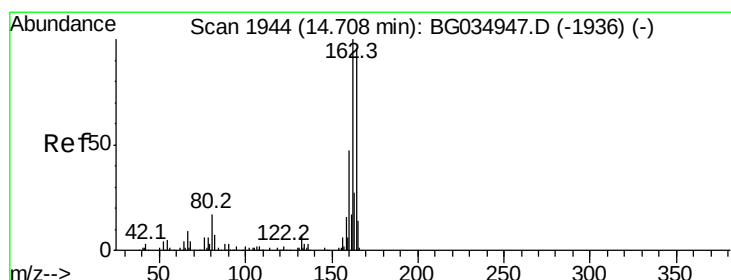
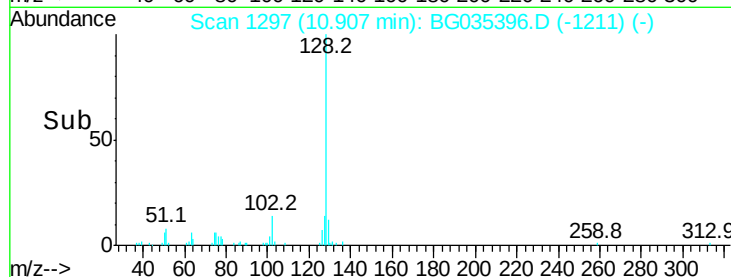
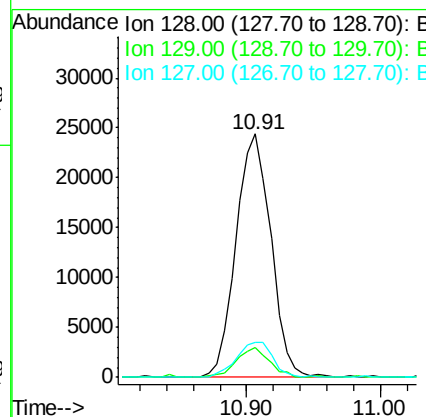
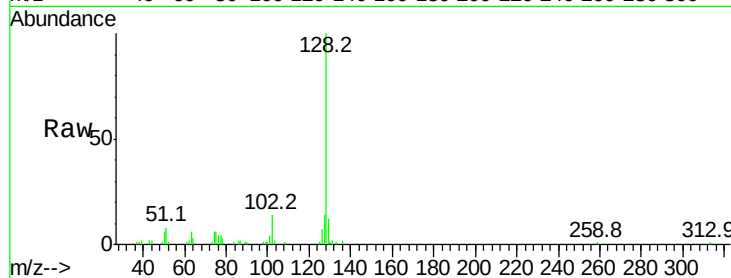




#31
Naphthalene
Concen: 4.649 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG035396.D
Acq: 26 Jun 2018 3:52

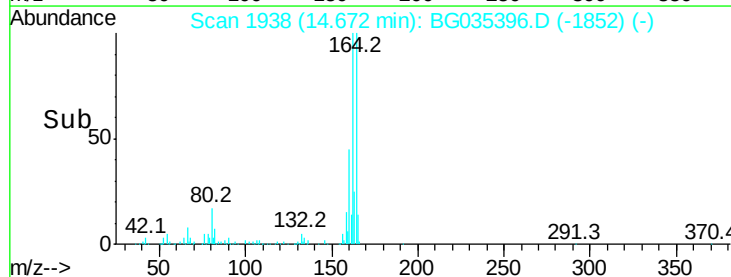
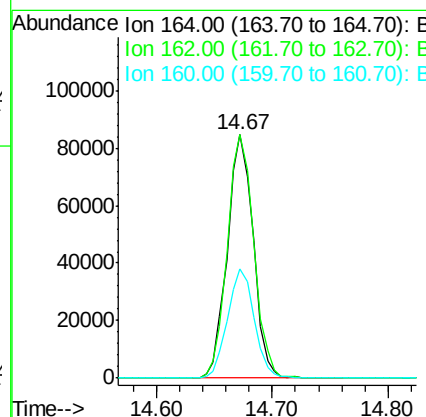
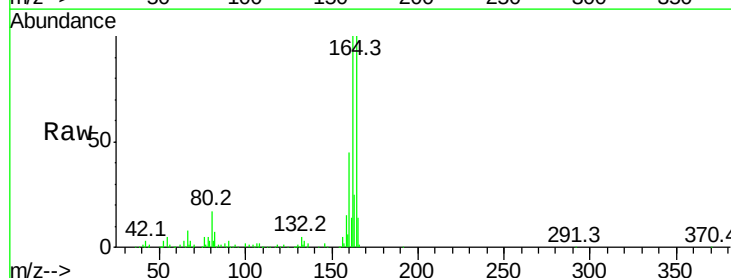
Instrument :
BNA_G
ClientSampleId :

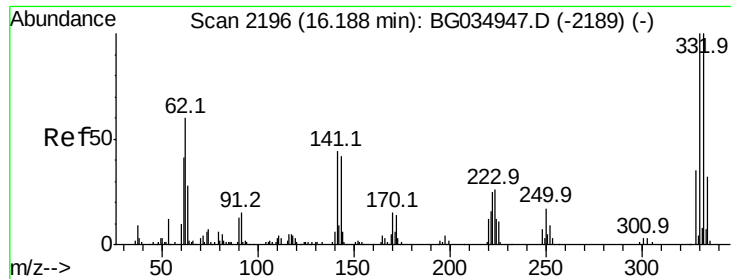
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.6	12.8
127	14.5	11.6	17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.02 min
Lab File: BG035396.D
Acq: 26 Jun 2018 3:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.8	118.2
160	44.9	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 178.301 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035396.D

Acq: 26 Jun 2018 3:52

Instrument :

BNA_G

ClientSampled :

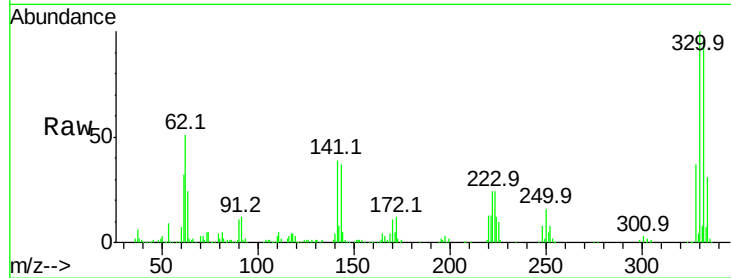
Tot Ion:330 Resp: 299964

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

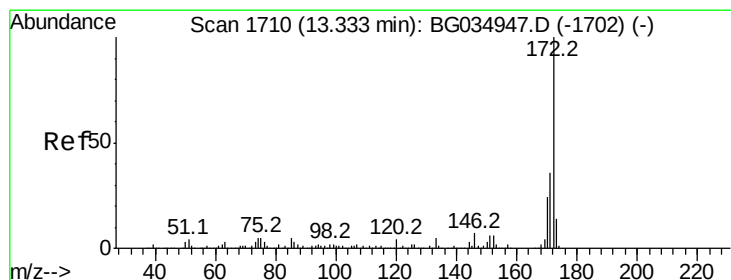
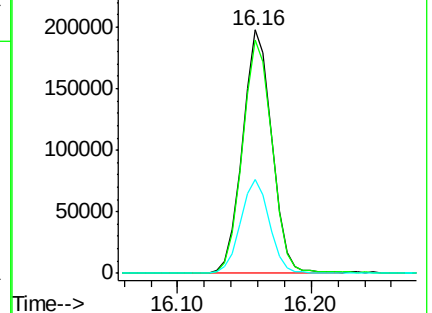
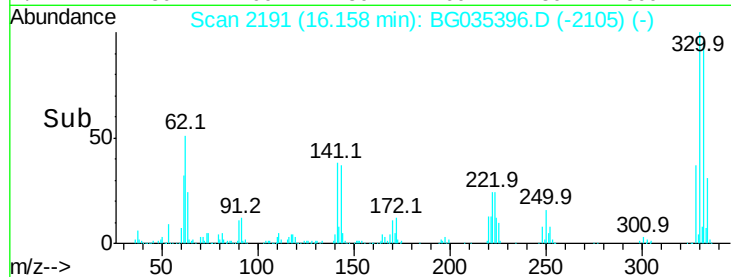
141 38.0 25.2 37.8#



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: 94.277 ng

RT: 13.30 min Scan# 1704

Delta R.T. -0.03 min

Lab File: BG035396.D

Acq: 26 Jun 2018 3:52

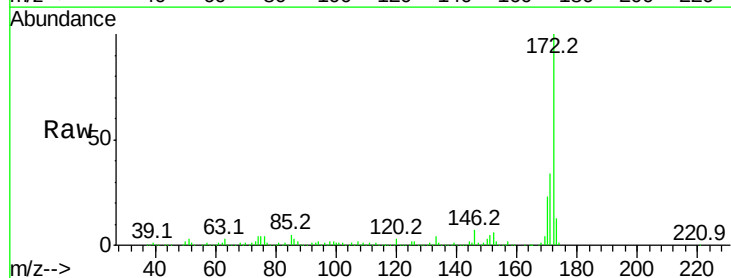
Tgt Ion:172 Resp: 953075

Ion Ratio Lower Upper

172 100

171 33.8 30.0 45.0

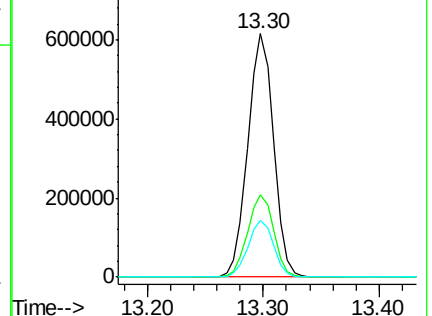
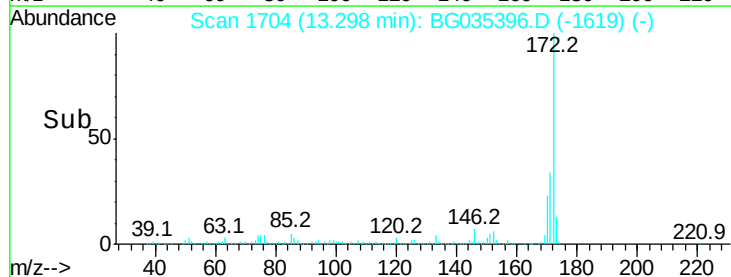
170 23.1 19.5 29.3

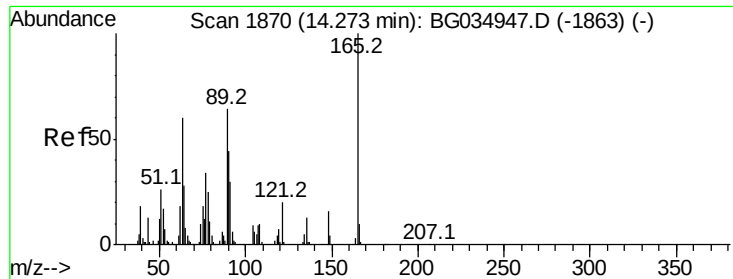


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

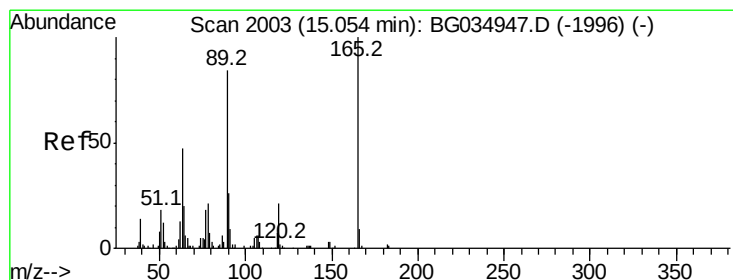
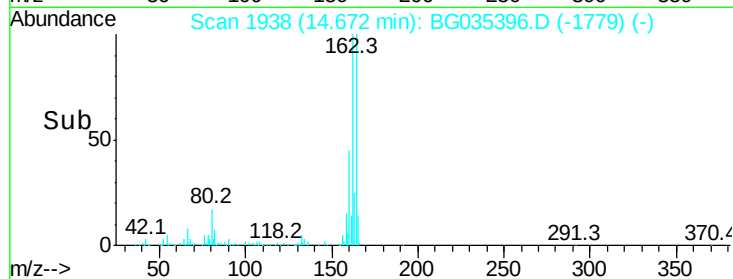
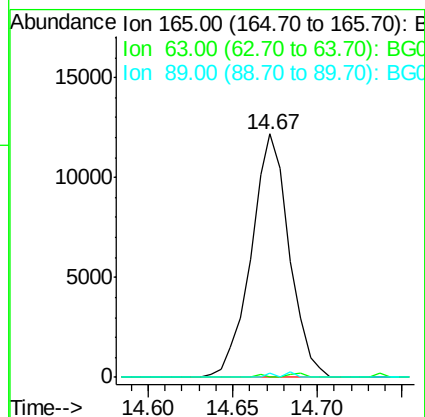
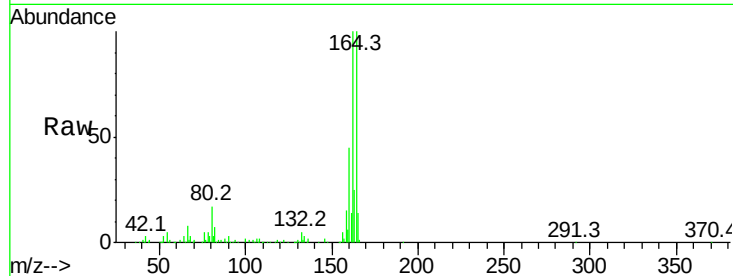




#50
2,6-Dinitrotoluene
Concen: 9.096 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.40 min
Lab File: BG035396.D
Acq: 26 Jun 2018 3:52

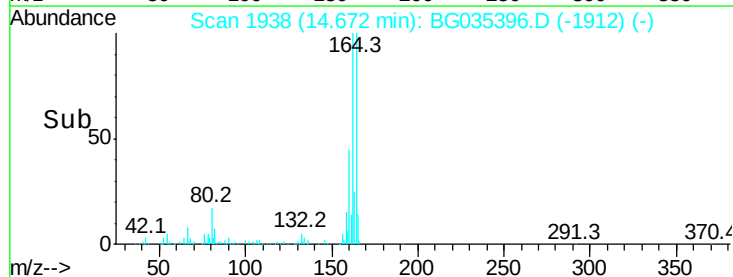
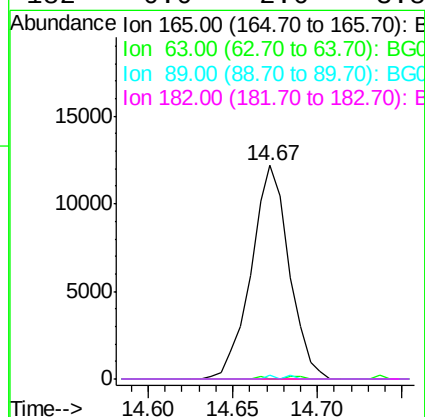
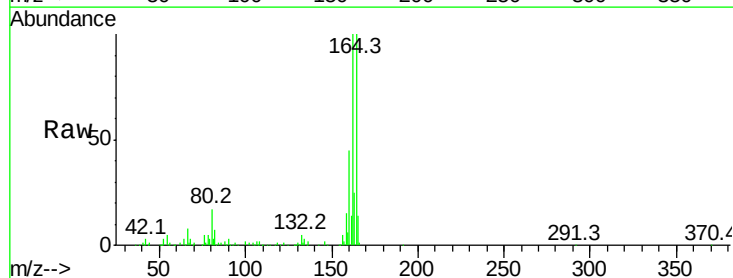
Instrument :
BNA_G
ClientSampleId :

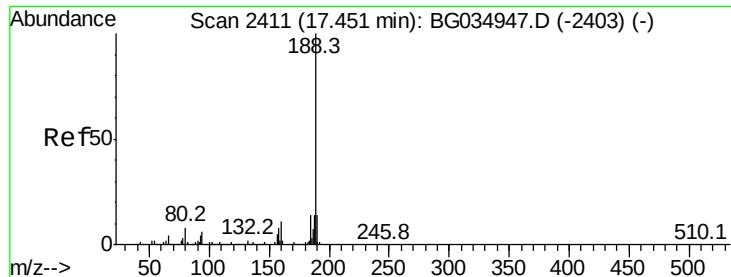
Tot Ion:165 Resp: 19017
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.9 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 6.847 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.38 min
Lab File: BG035396.D
Acq: 26 Jun 2018 3:52

Tgt Ion:165 Resp: 19017
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#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035396.D

Acq: 26 Jun 2018 3:52

Instrument :

BNA_G

ClientSampleId :

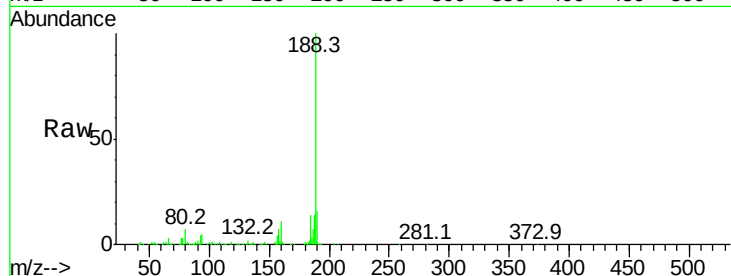
Tot Ion:188 Resp: 353358

Ion Ratio Lower Upper

188 100

94 5.4 6.9 10.3#

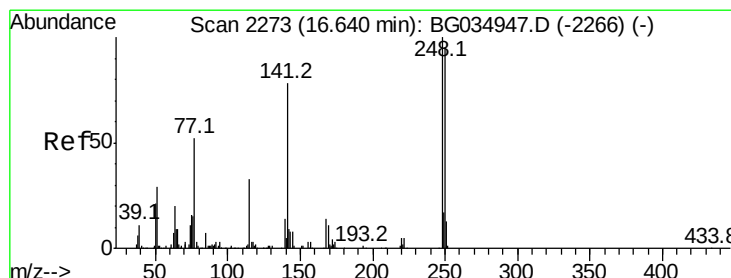
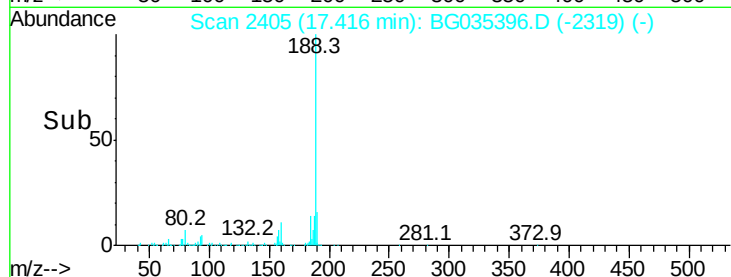
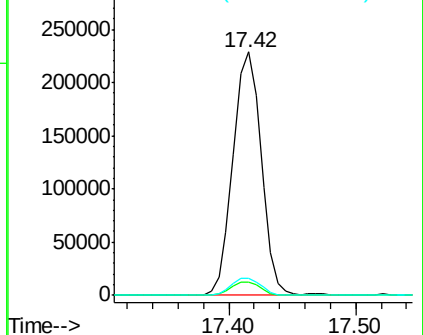
80 7.1 7.7 11.5#



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



#66

4-Bromophenyl-phenylether

Concen: 5.852 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.47 min

Lab File: BG035396.D

Acq: 26 Jun 2018 3:52

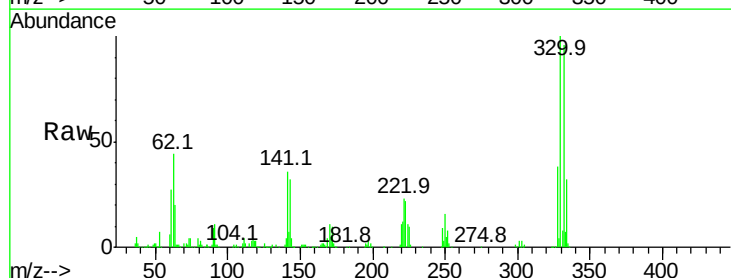
Tgt Ion:248 Resp: 24902

Ion Ratio Lower Upper

248 100

250 180.5 77.1 115.7#

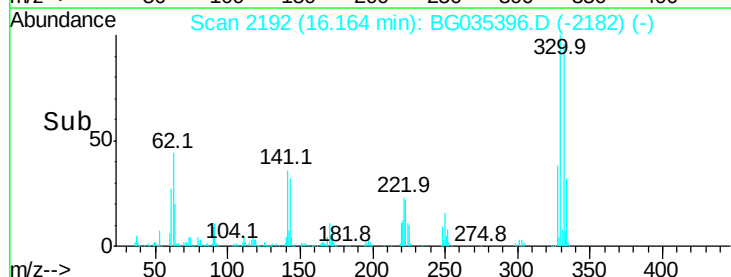
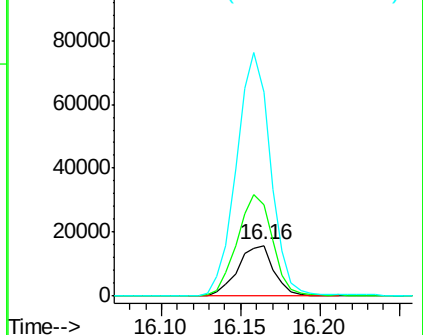
141 403.3 50.8 76.2#

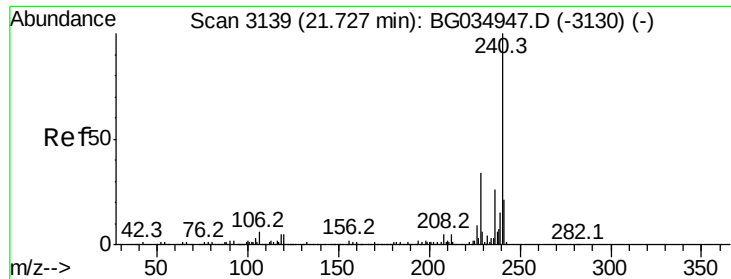


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG035396.D

Acq: 26 Jun 2018 3:52

Instrument :

BNA_G

ClientSampleId :

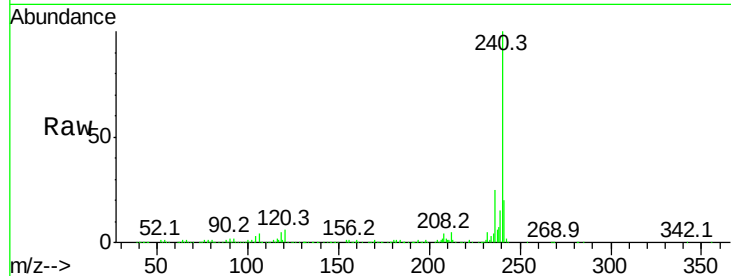
Tot Ion:240 Resp: 380939

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

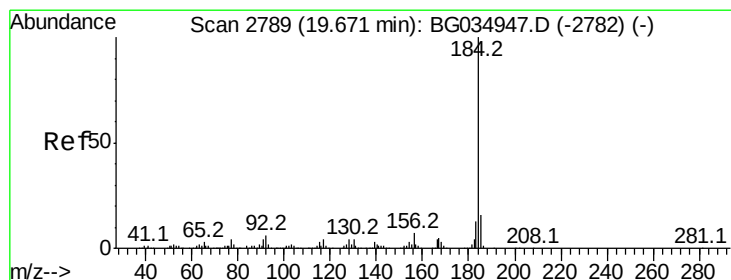
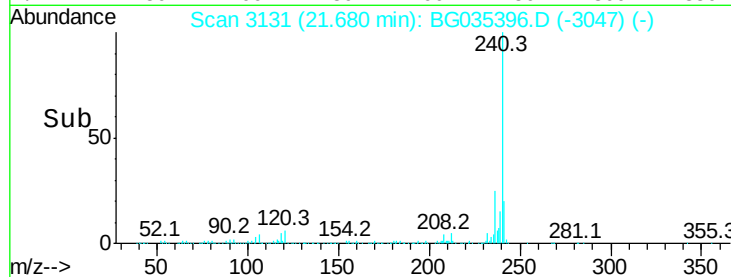
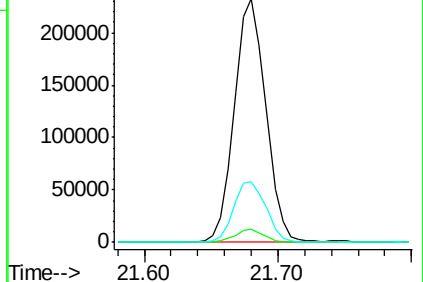
236 25.0 20.9 31.3



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: 2.171 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035396.D

Acq: 26 Jun 2018 3:52

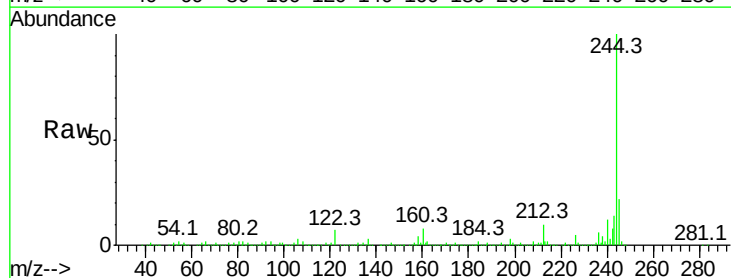
Tgt Ion:184 Resp: 30770

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7#

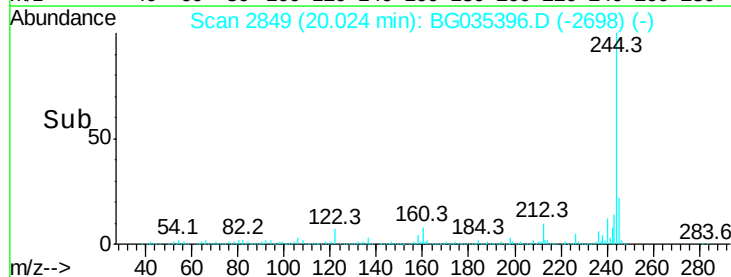
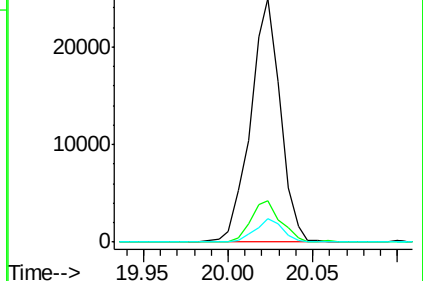
183 9.6 10.6 16.0#

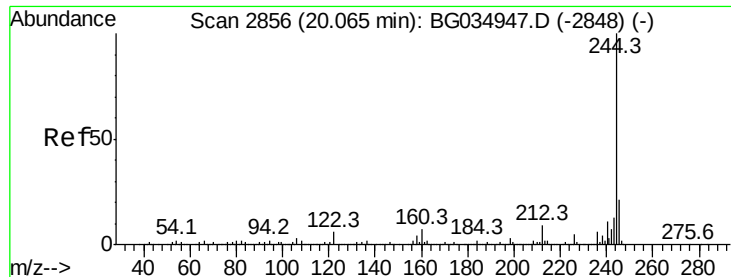


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.849 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035396.D

Acq: 26 Jun 2018 3:52

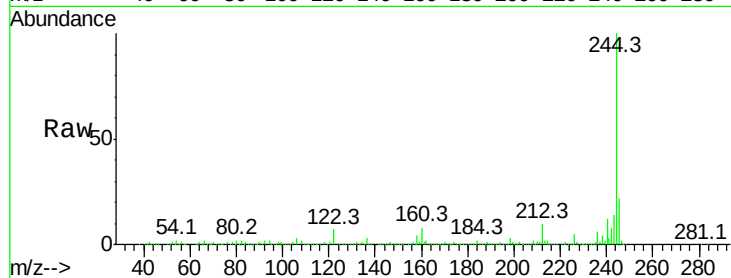
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1779495

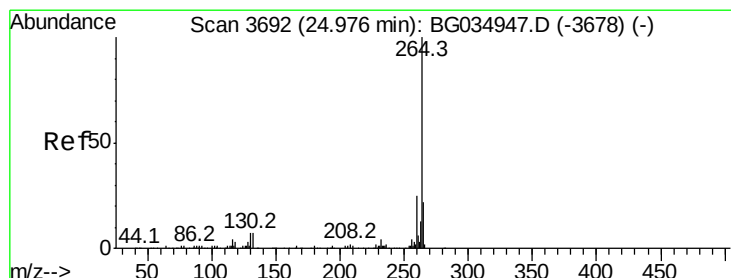
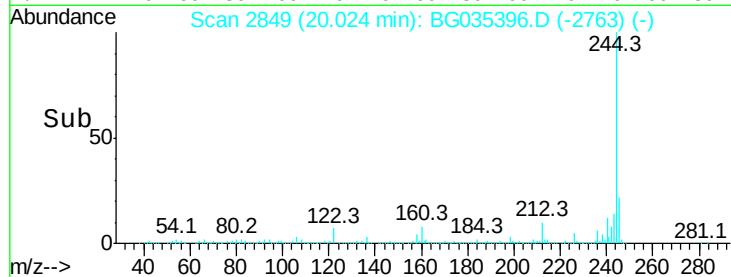
Ion	Ratio	Lower	Upper
244	100		
212	9.8	5.8	8.8#
122	6.7	7.0	10.4#



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: 24.90 min Scan# 3679

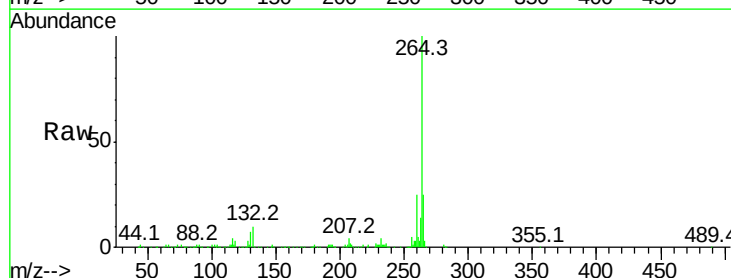
Delta R.T. -0.05 min

Lab File: BG035396.D

Acq: 26 Jun 2018 3:52

Tgt Ion:264 Resp: 352428

Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	24.8	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

