

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073118\
 Data File : BG036016.D
 Acq On : 1 Aug 2018 00:38
 Operator : JU/SJ
 Sample : J3831-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 01 05:02:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

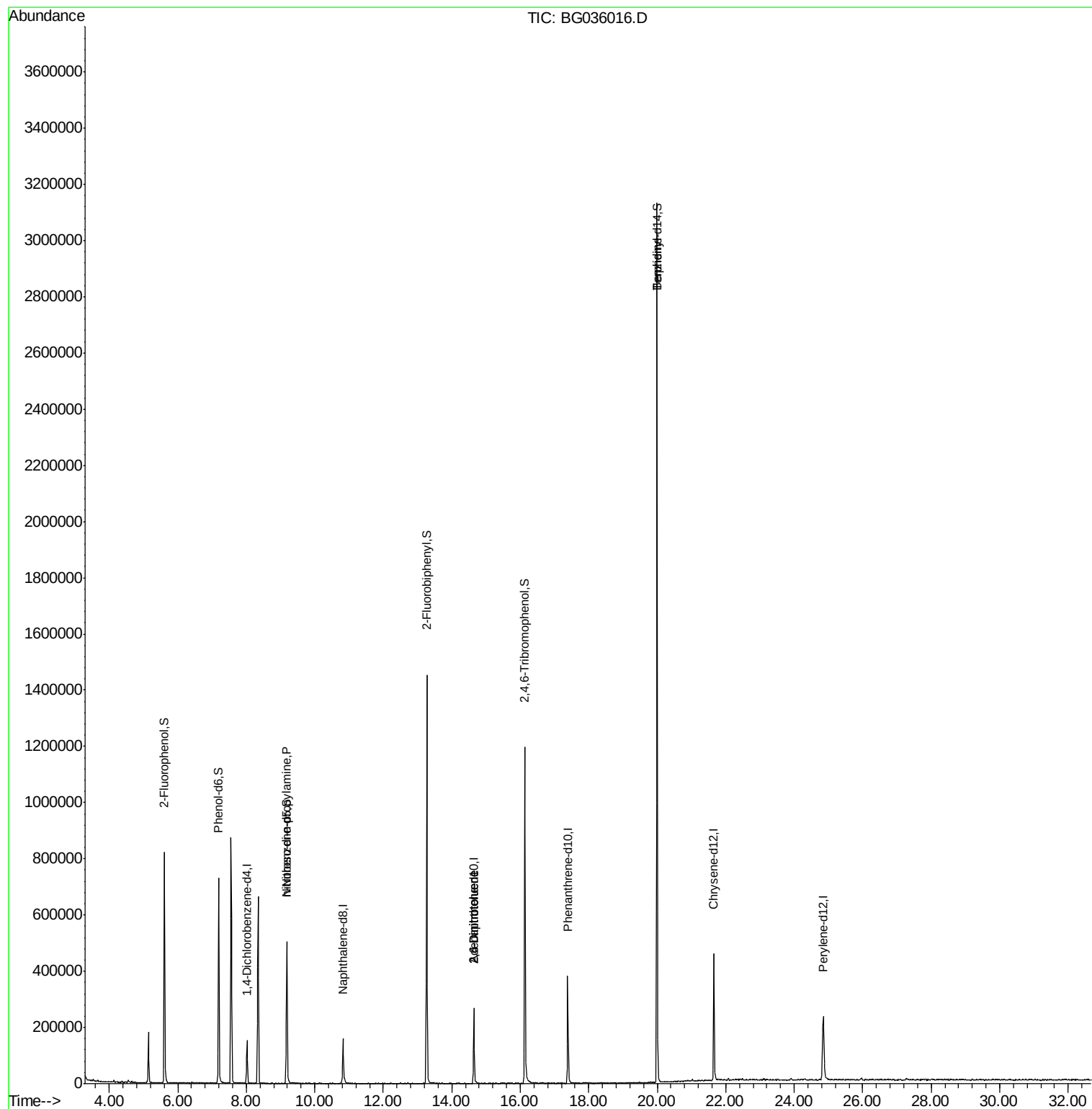
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	42055	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	148369	20.00	ng	0.00
38) Acenaphthene-d10	14.64	164	100362	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	282251	20.00	ng	0.00
75) Chrysene-d12	21.65	240	309955	20.00	ng	0.00
86) Perylene-d12	24.85	264	283299	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	353190	139.43	ng	0.00
7) Phenol-d6	7.19	99	450144	119.11	ng	0.00
23) Nitrobenzene-d5	9.19	82	362652	102.11	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	231735	175.18	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	788672	105.28	ng	0.00
78) Terphenyl-d14	19.99	244	1541514	109.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	50860	15.981	ng	# 68
50) 2,6-Dinitrotoluene	14.64	165	13453	7.513	ng	# 22
56) 2,4-Dinitrotoluene	14.64	165	13453	5.237	ng	# 20
76) Benzidine	19.99	184	26849	3.295	ng	# 94

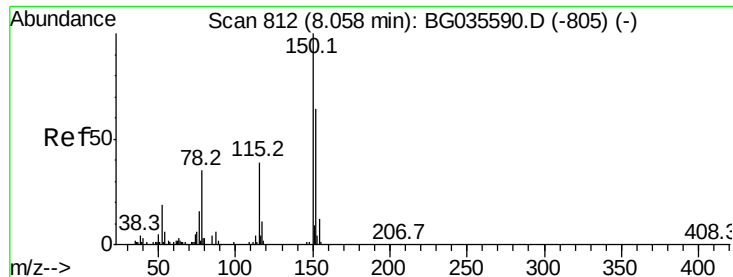
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 31 12:30:06 2018
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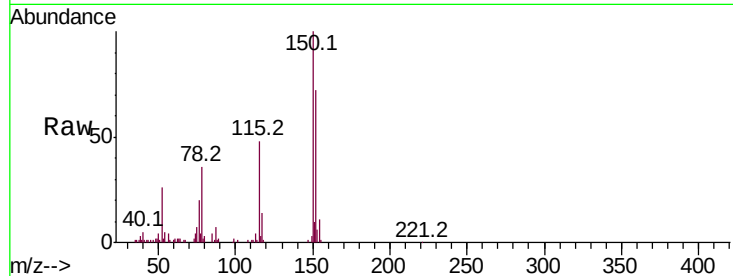


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036016.D
Acq: 1 Aug 2018 00:38

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.0	126.6	189.8
115	66.6	53.0	79.4

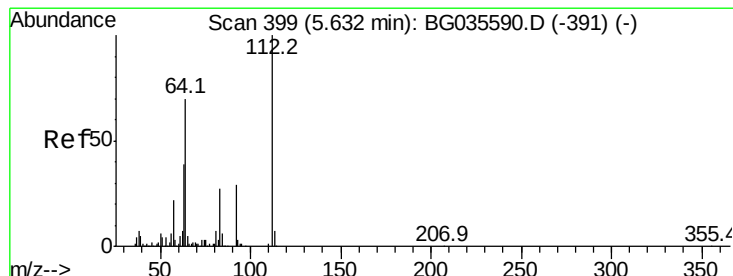
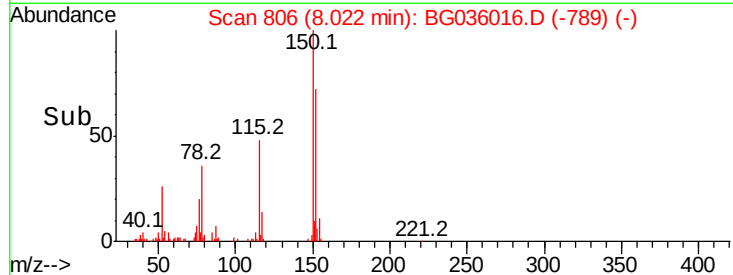
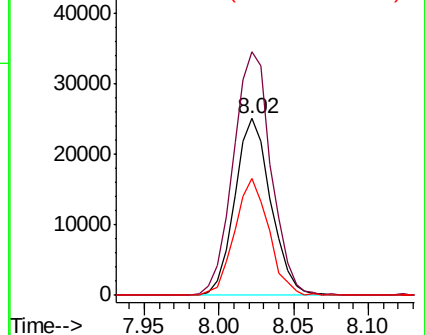


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

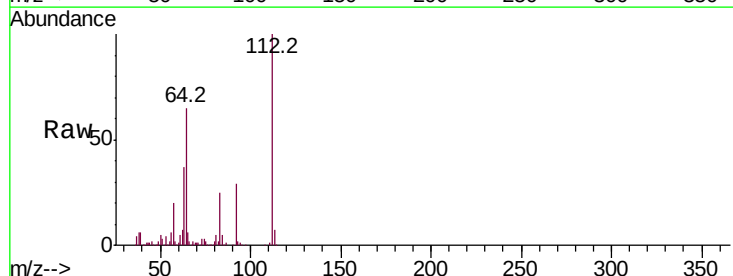
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 139.431 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG036016.D
Acq: 1 Aug 2018 00:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	56.3	84.5
63	37.0	30.1	45.1

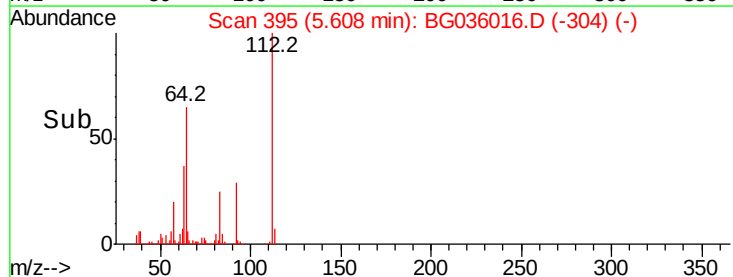
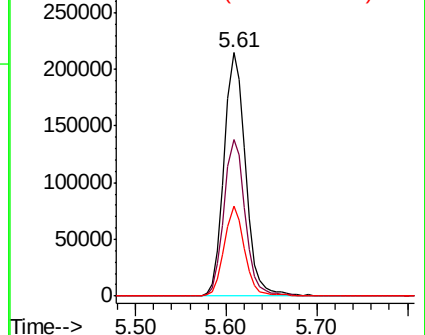


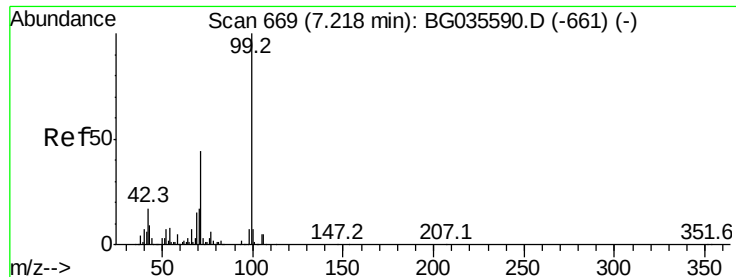
Abundance

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: 119.107 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG036016.D

Acq: 1 Aug 2018 00:38

Instrument :

BNA_G

ClientSampleId :

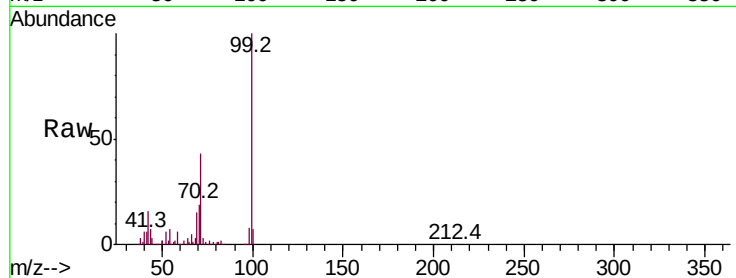
Tot Ion: 99 Resp: 450144

Ion Ratio Lower Upper

99 100

42 15.9 14.1 21.1

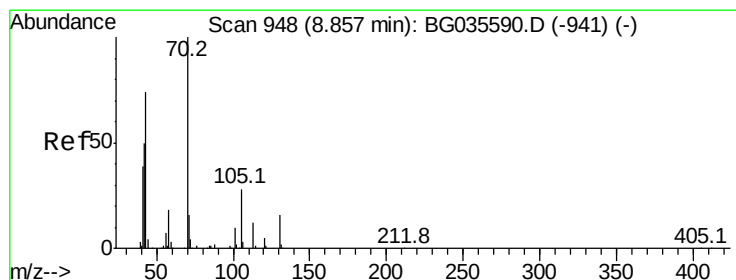
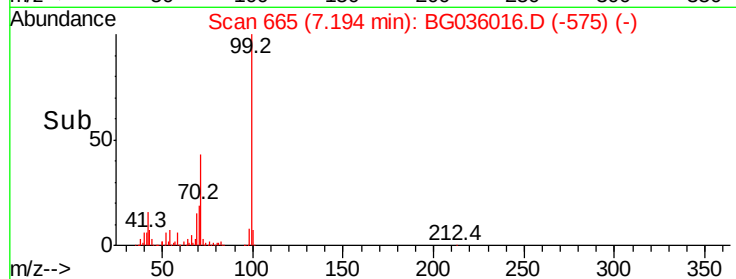
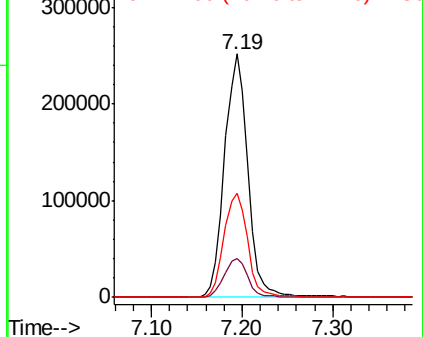
71 42.8 26.1 39.1#



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: 15.981 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036016.D

Acq: 1 Aug 2018 00:38

Tgt Ion: 70 Resp: 50860

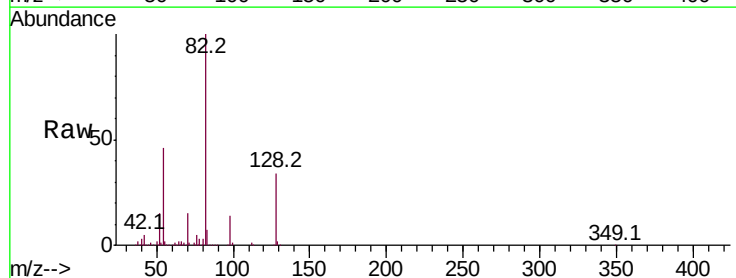
Ion Ratio Lower Upper

70 100

42 36.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

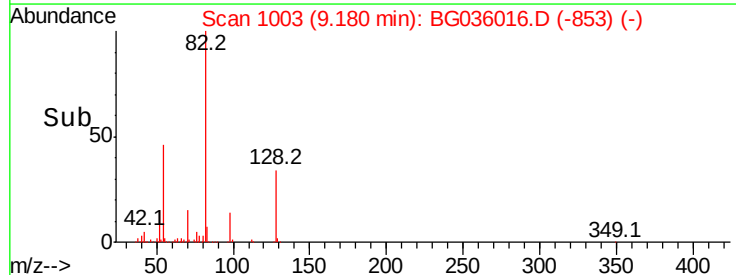
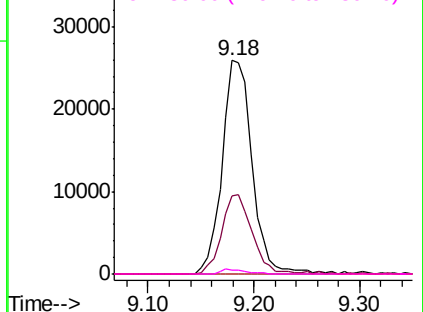


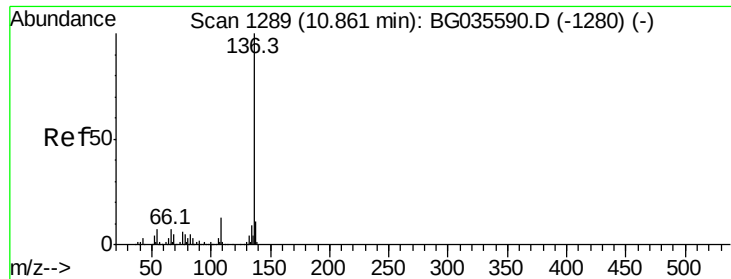
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

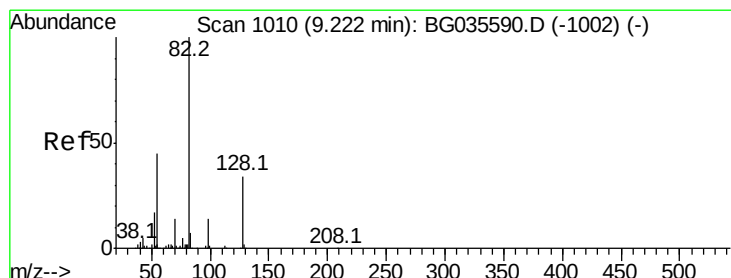
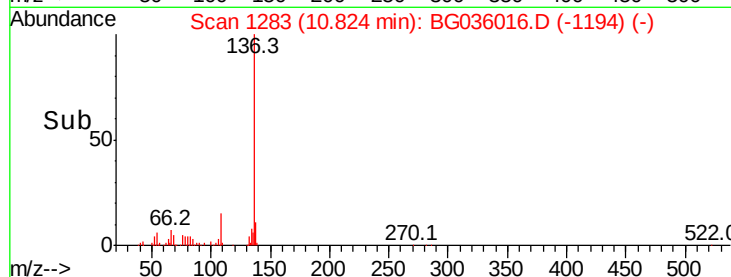
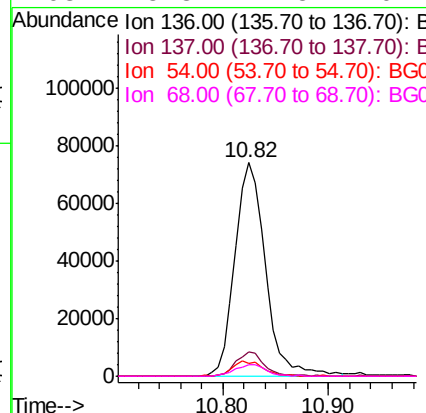
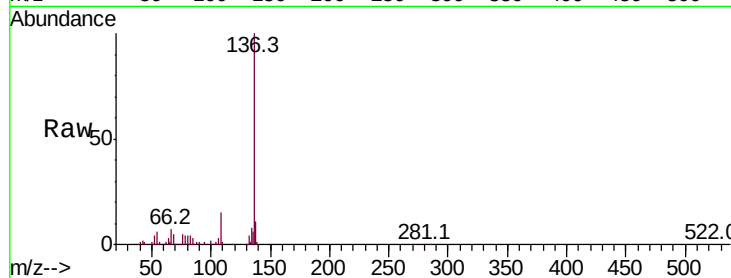




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036016.D
Acq: 1 Aug 2018 00:38

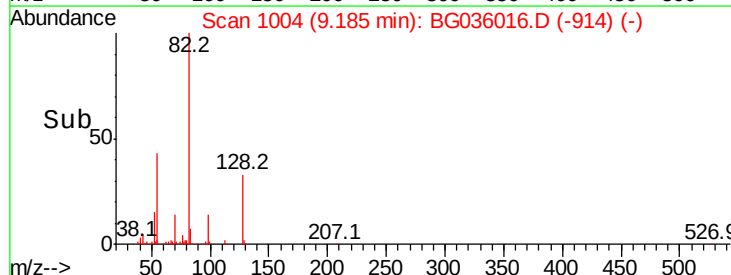
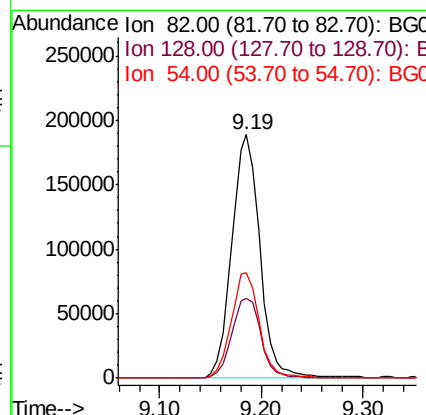
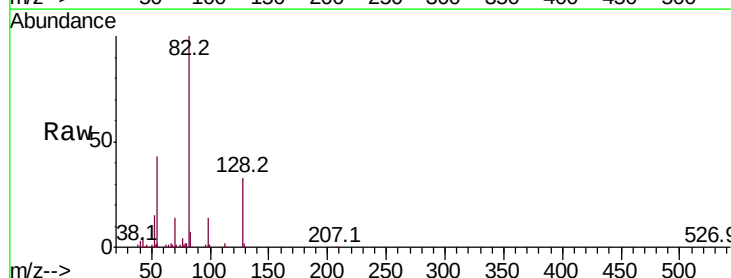
Instrument :
BNA_G
ClientSampleId :

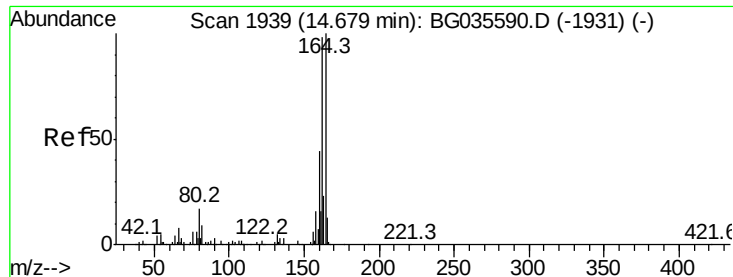
Tot Ion:136	Resp:	148369
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.2 13.8
54	5.9	10.3 15.5
68	5.3	4.5 6.7



#23
Nitrobenzene-d5
Concen: 102.108 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG036016.D
Acq: 1 Aug 2018 00:38

Tgt Ion: 82	Resp:	362652
Ion	Ratio	Lower Upper
82	100	
128	32.5	29.7 44.5
54	43.4	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036016.D

Acq: 1 Aug 2018 00:38

Instrument :

BNA_G

ClientSampleId :

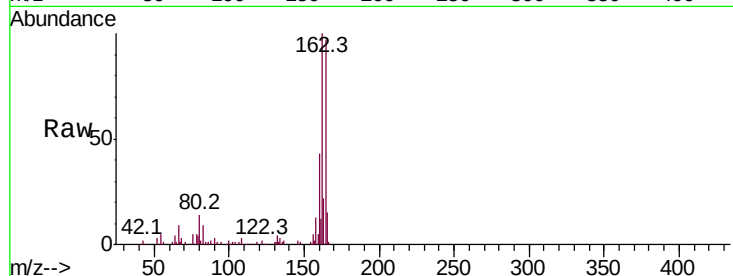
Tot Ion:164 Resp: 100362

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

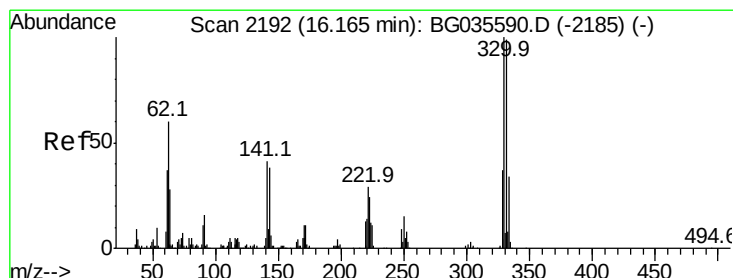
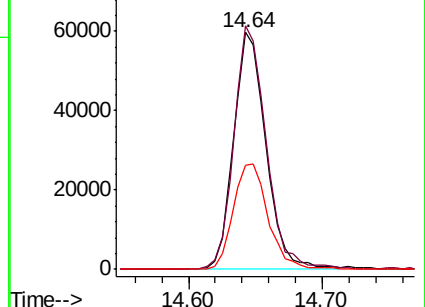
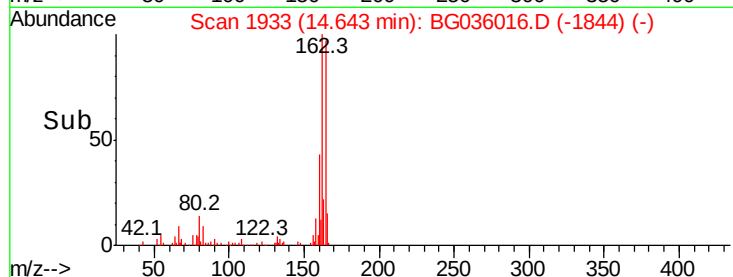
160 44.2 35.4 53.0



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: 175.180 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG036016.D

Acq: 1 Aug 2018 00:38

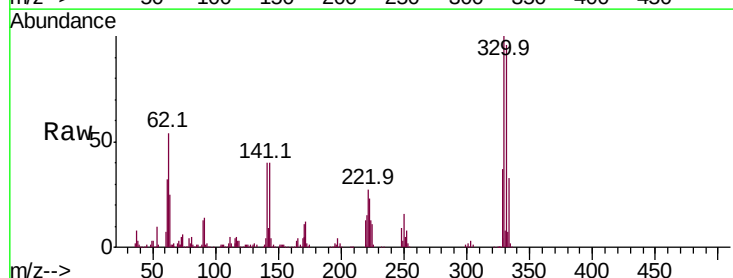
Tgt Ion:330 Resp: 231735

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

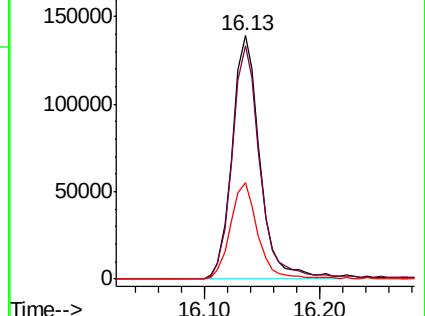
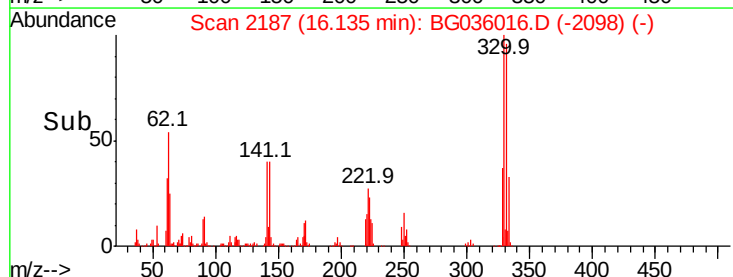
141 38.7 25.2 37.8#

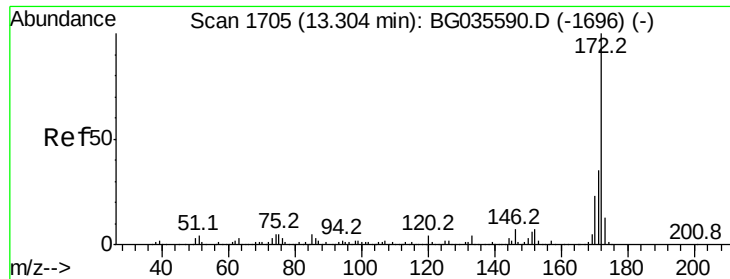


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

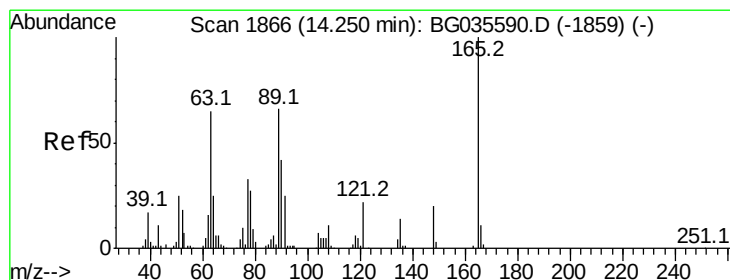
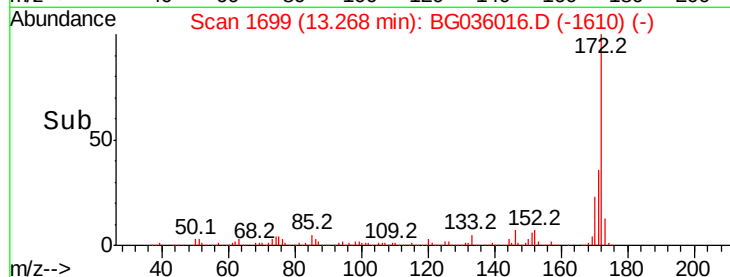
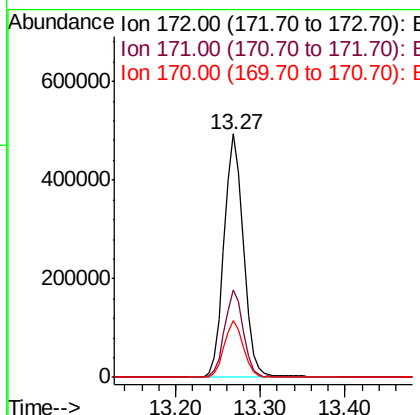
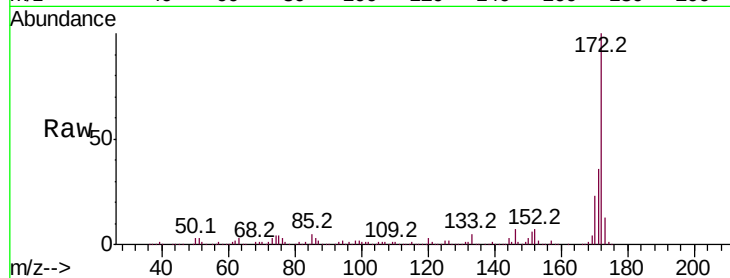




#44
2-Fluorobiphenyl
Concen: 105.281 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.01 min
Lab File: BG036016.D
Acq: 1 Aug 2018 00:38

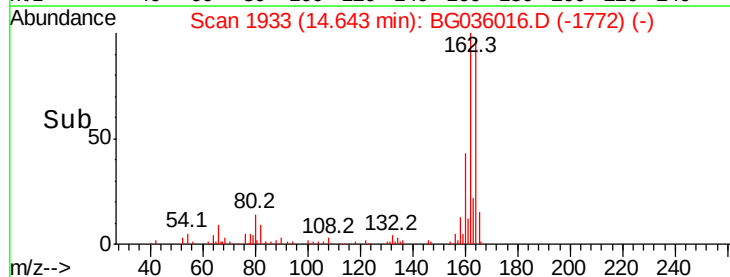
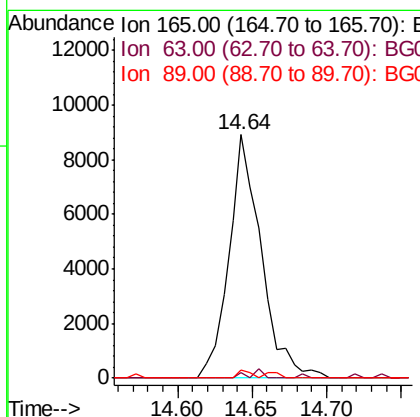
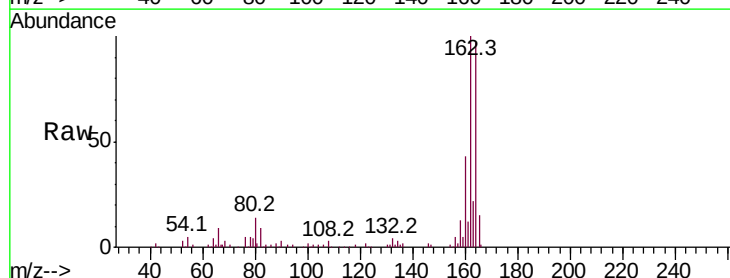
Instrument :
BNA_G
ClientSampleId :

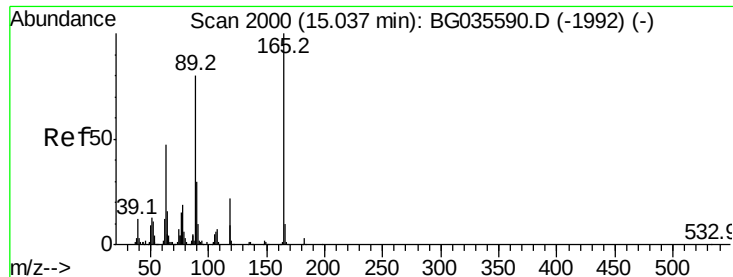
Tot Ion:172 Resp: 788672
Ion Ratio Lower Upper
172 100
171 35.7 30.0 45.0
170 23.1 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.513 ng
RT: 14.64 min Scan# 1933
Delta R.T. 0.42 min
Lab File: BG036016.D
Acq: 1 Aug 2018 00:38

Tgt Ion:165 Resp: 13453
Ion Ratio Lower Upper
165 100
63 2.2 52.7 79.1#
89 3.1 49.2 73.8#

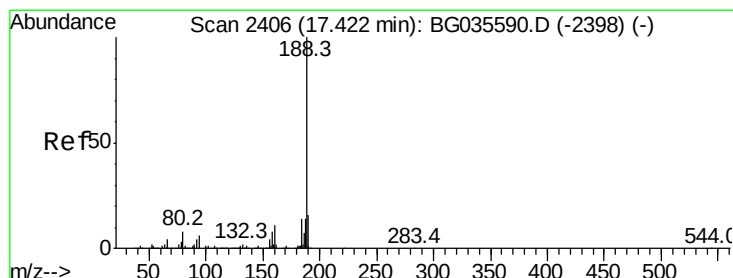
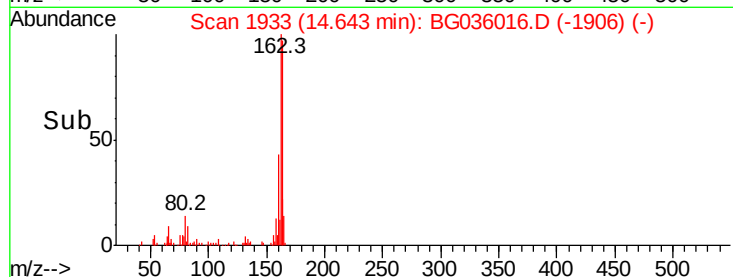
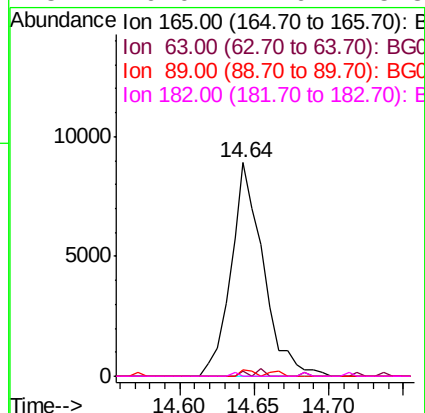
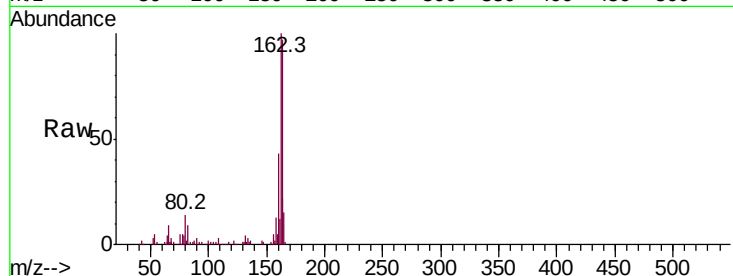




#56
 2,4-Dinitrotoluene
 Concen: 5.237 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. -0.37 min
 Lab File: BG036016.D
 Acq: 1 Aug 2018 00:38

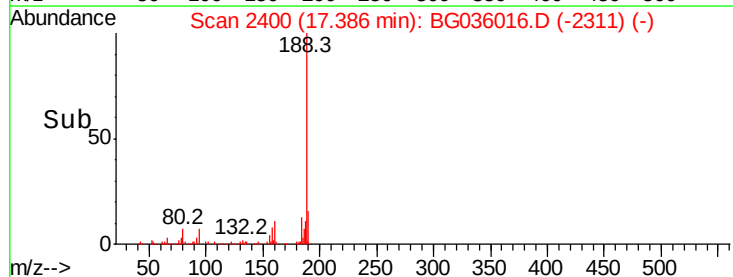
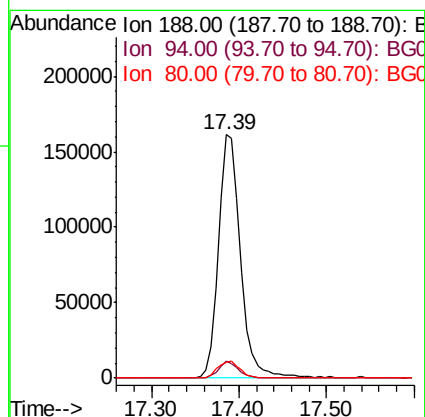
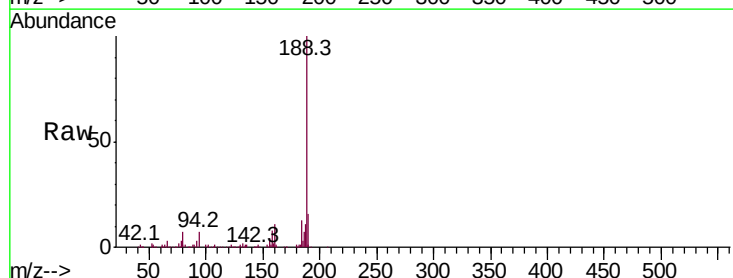
Instrument :
 BNA_G
 ClientSampleId :

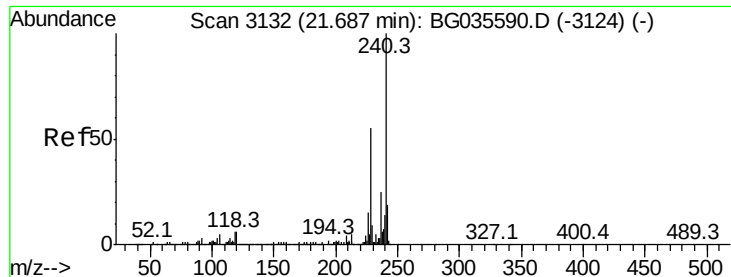
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	42.0	63.0#
89	3.1	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2400
 Delta R.T. -0.01 min
 Lab File: BG036016.D
 Acq: 1 Aug 2018 00:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.9	10.3
80	6.6	7.7	11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG036016.D

Acq: 1 Aug 2018 00:38

Instrument :

BNA_G

ClientSampleId :

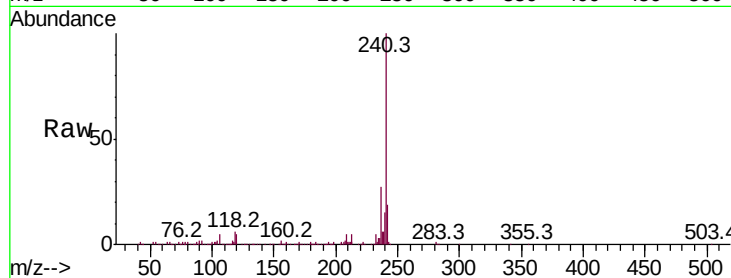
Tot Ion:240 Resp: 309955

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

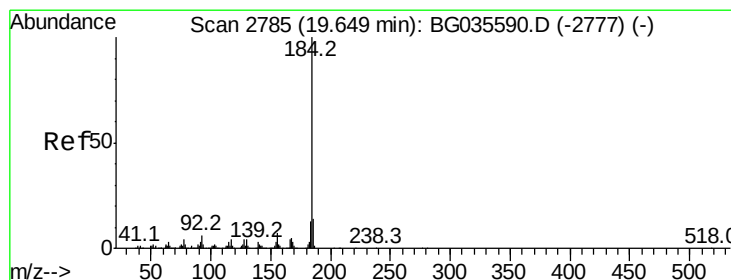
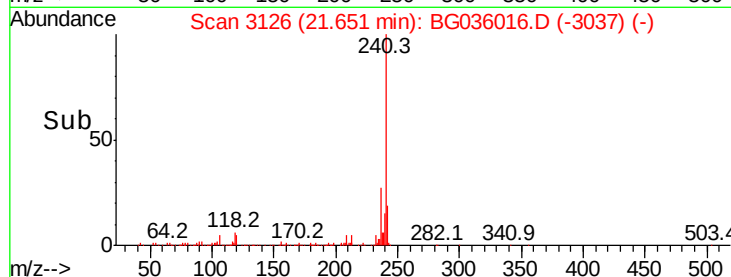
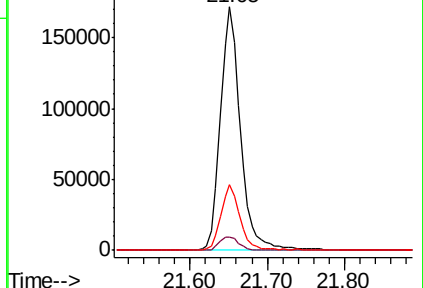
236 27.0 20.9 31.3



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: 3.295 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036016.D

Acq: 1 Aug 2018 00:38

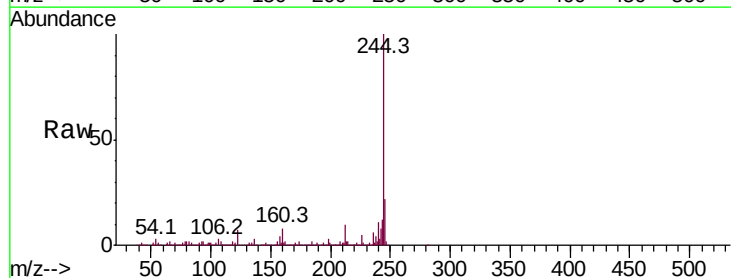
Tgt Ion:184 Resp: 26849

Ion Ratio Lower Upper

184 100

185 11.8 11.1 16.7

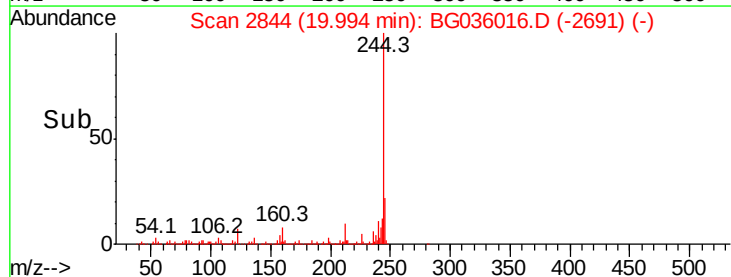
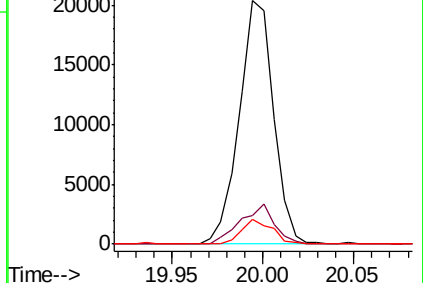
183 10.2 10.6 16.0#

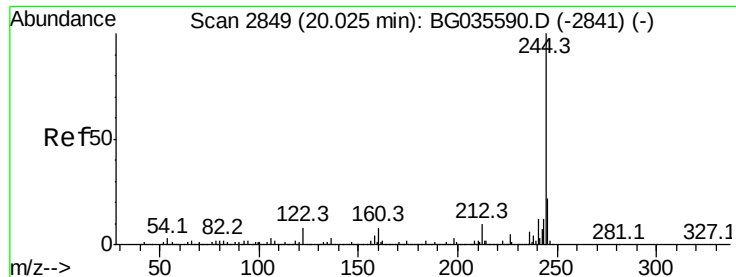


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



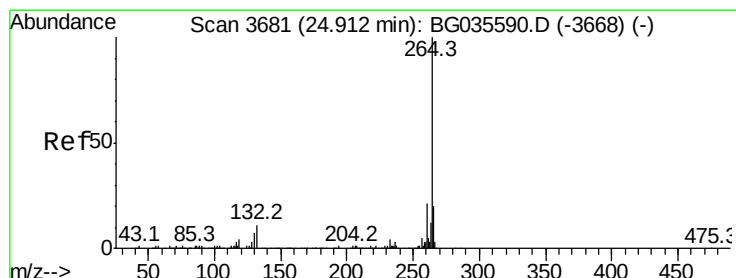
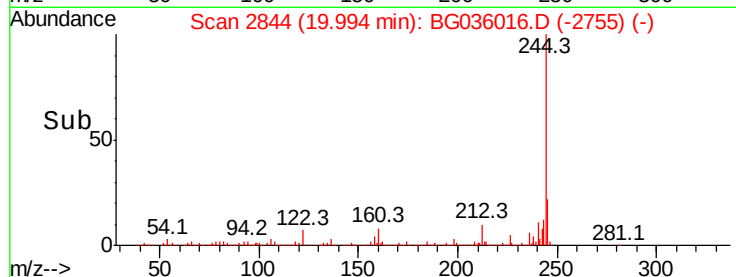
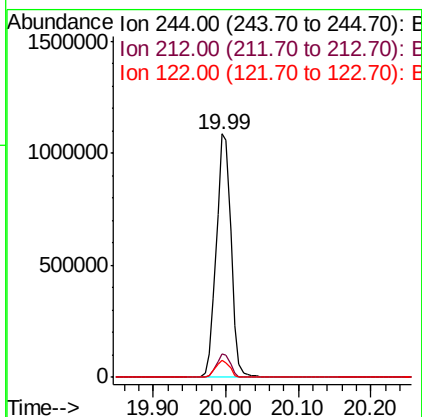
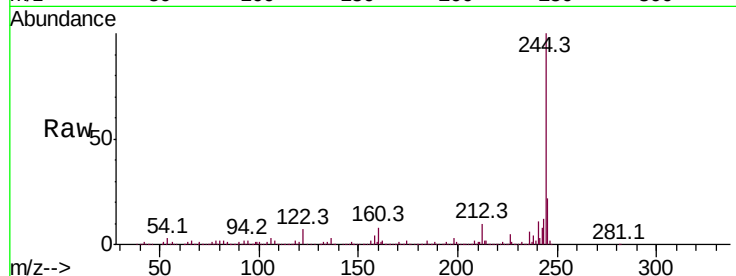


#78
 Terphenyl-d14
 Concen: 109.628 ng
 RT: 19.99 min Scan# 2844
 Delta R.T. -0.01 min
 Lab File: BG036016.D
 Acq: 1 Aug 2018 00:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1541514

Ion	Ratio	Lower	Upper
244	100		
212	9.6	5.8	8.8#
122	6.9	7.0	10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3670
 Delta R.T. -0.01 min
 Lab File: BG036016.D
 Acq: 1 Aug 2018 00:38

Tgt Ion:264 Resp: 283299

Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	19.5	17.7	26.5

