

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102918\
 Data File : BG037636.D
 Acq On : 29 Oct 2018 23:42
 Operator : JU/SJ
 Sample : J5665-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TWP-02

Quant Time: Oct 30 04:44:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	51402	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	227194	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	153622	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	370834	20.00	ng	0.00
76) Chrysene-d12	21.77	240	339681	20.00	ng	0.00
87) Perylene-d12	25.10	264	322228	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	151680	49.33	ng	0.00
7) Phenol-d6	7.24	99	135921	29.24	ng	0.00
23) Nitrobenzene-d5	9.27	82	310893	76.66	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	187890	112.14	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	760204	74.62	ng	0.00
79) Terphenyl-d14	20.08	244	1143272	71.92	ng	0.00

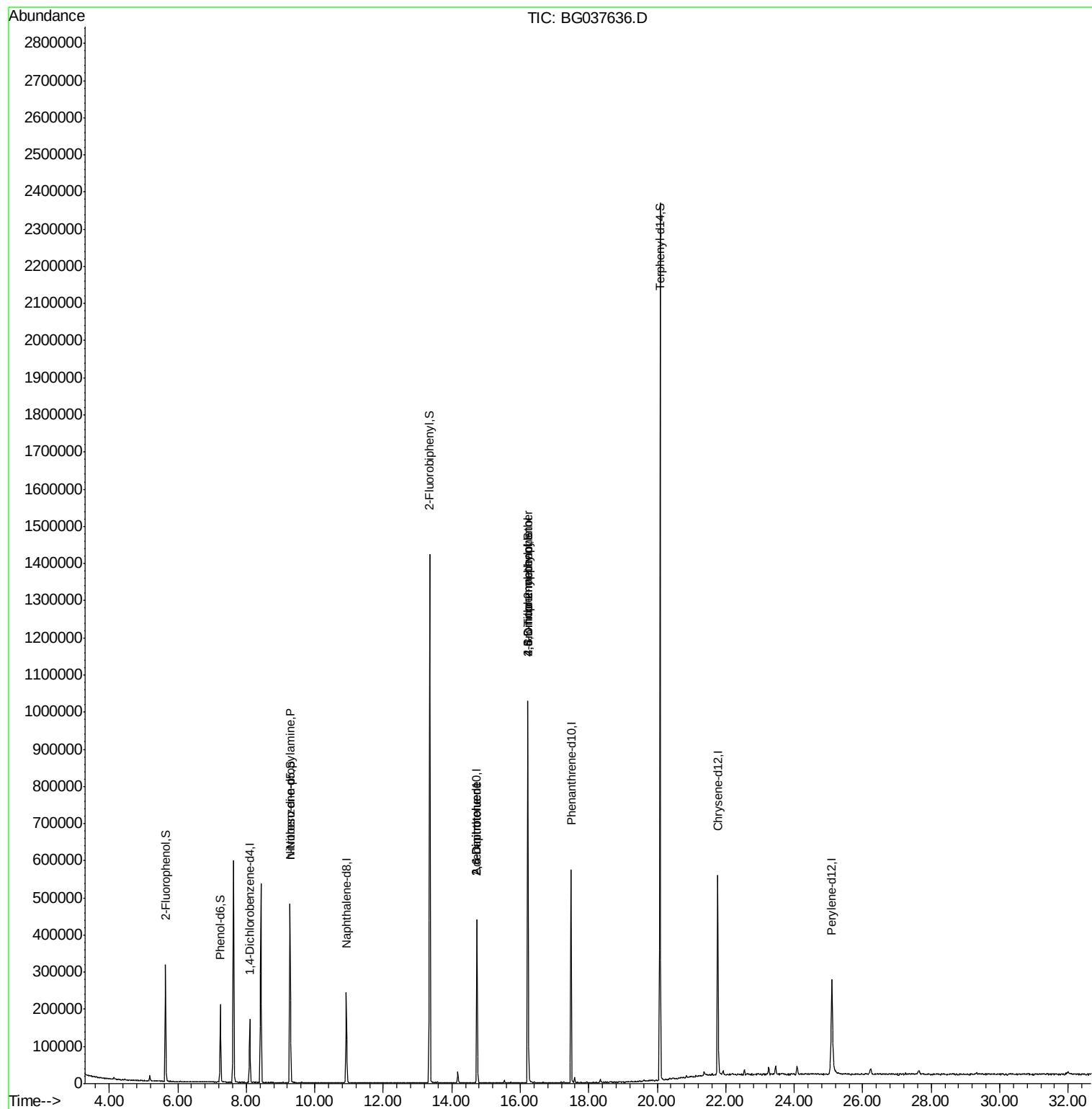
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.28	70	38449	12.010	ng	# 69
51) 2,6-Dinitrotoluene	14.73	165	20253	7.703	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	20253	5.869	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	632	8.775	ng	89
67) 4-Bromophenyl-phenylether	16.22	248	13468	3.307	ng	# 1

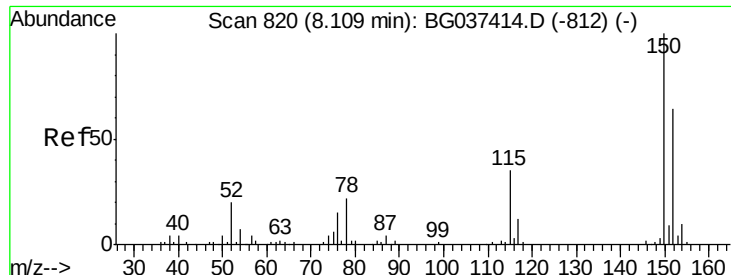
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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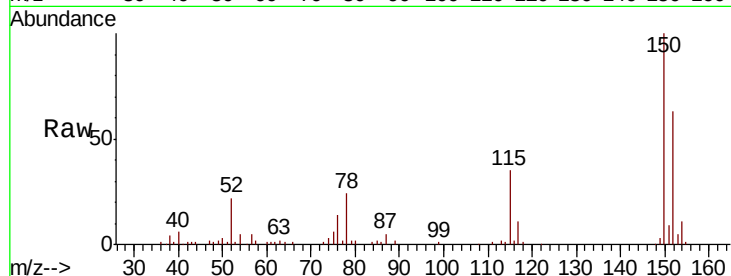


#1

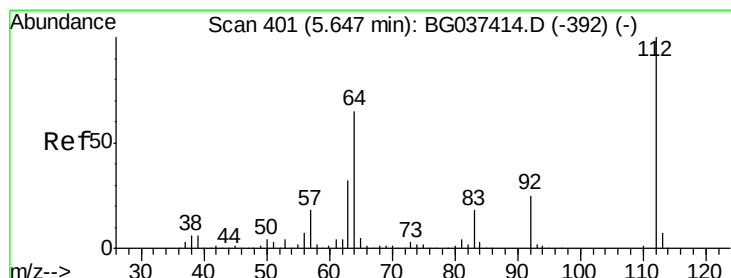
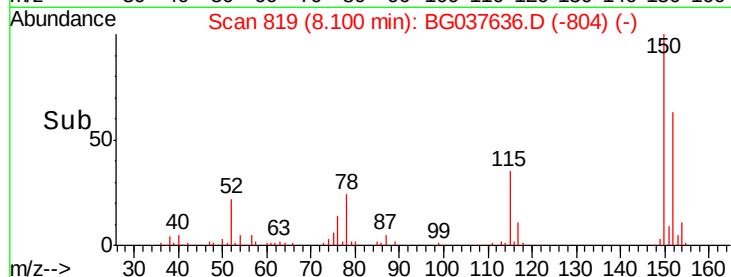
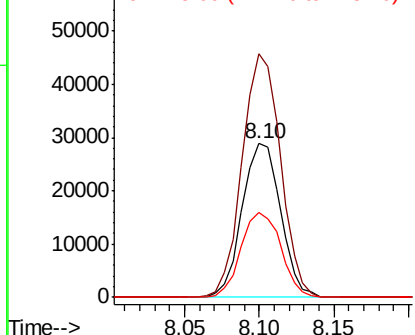
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037636.D
Acq: 29 Oct 2018 23:42

Instrument :
BNA_G
ClientSampleId :
TWP-02

Tot Ion:152 Resp: 51402
Ion Ratio Lower Upper
152 100
150 158.7 126.0 189.0
115 55.3 45.5 68.3



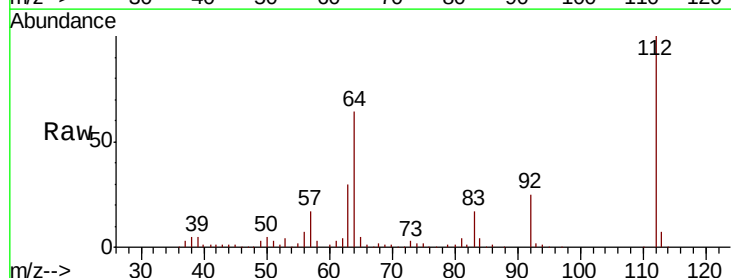
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



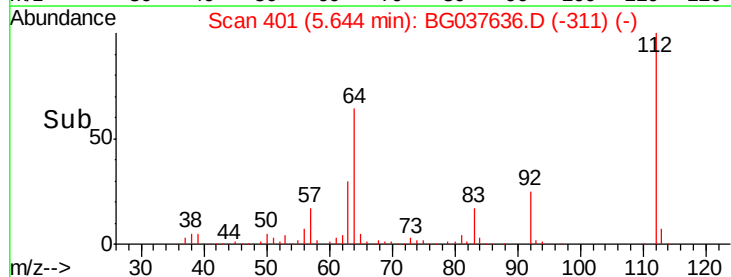
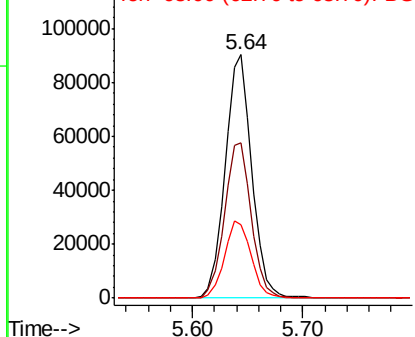
#5

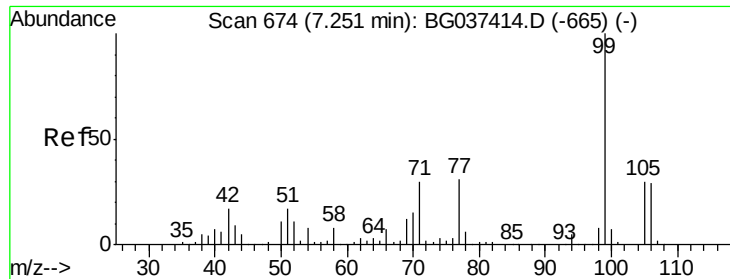
2-Fluorophenol
Concen: 49.334 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037636.D
Acq: 29 Oct 2018 23:42

Tgt Ion:112 Resp: 151680
Ion Ratio Lower Upper
112 100
64 64.0 53.1 79.7
63 30.1 27.3 40.9



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: 29.236 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037636.D

Acq: 29 Oct 2018 23:42

Instrument :

BNA_G

ClientSampleId :

TWP-02

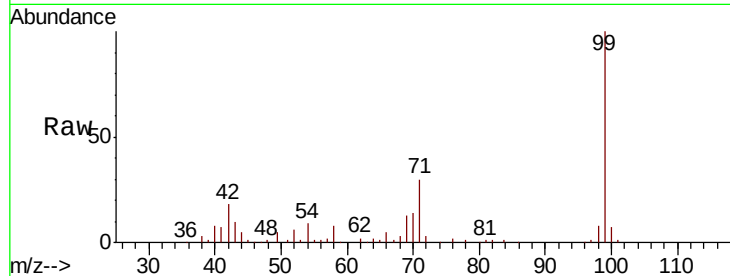
Tot Ion: 99 Resp: 135921

Ion Ratio Lower Upper

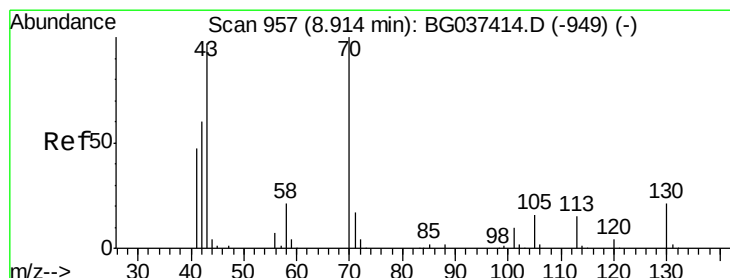
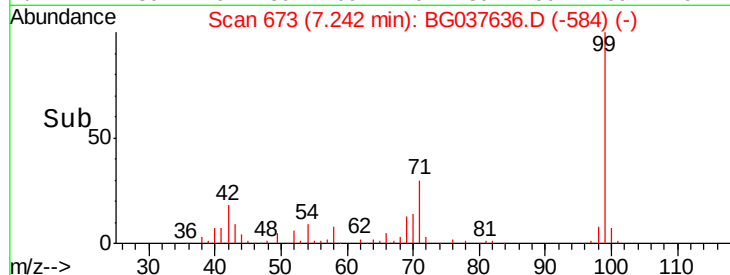
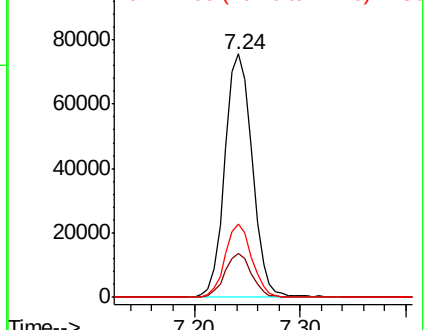
99 100

42 17.9 15.0 22.4

71 30.2 25.5 38.3



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: 12.010 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037636.D

Acq: 29 Oct 2018 23:42

Tgt Ion: 70 Resp: 38449

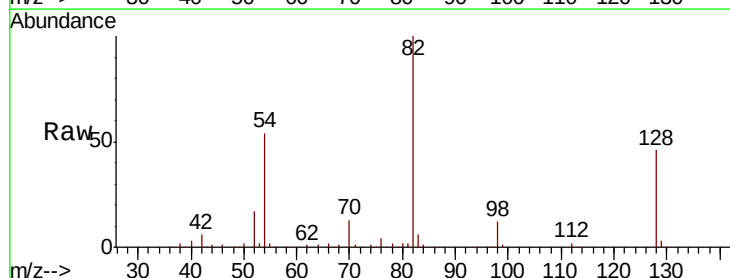
Ion Ratio Lower Upper

70 100

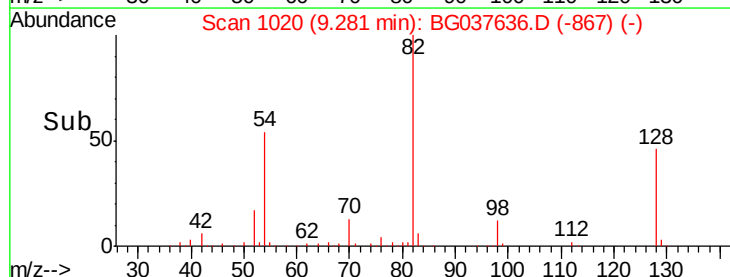
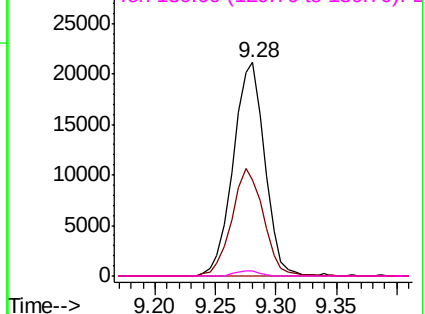
42 45.2 53.9 80.9#

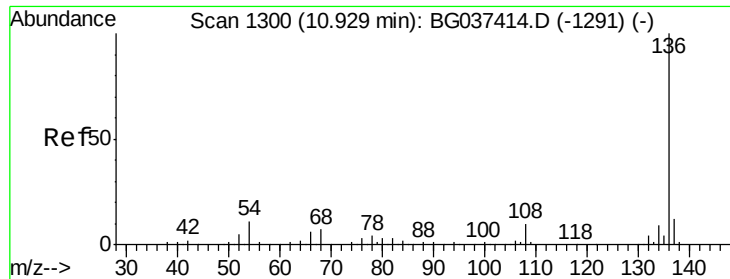
101 0.0 8.2 12.2#

130 2.6 18.2 27.4#



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

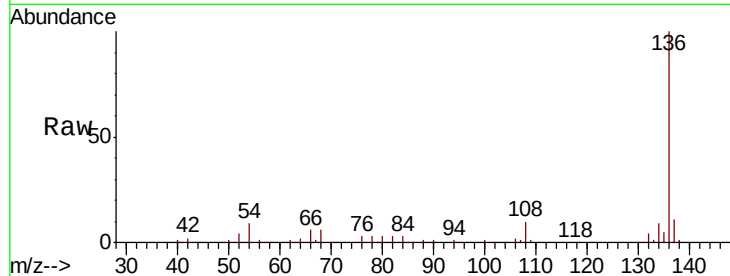




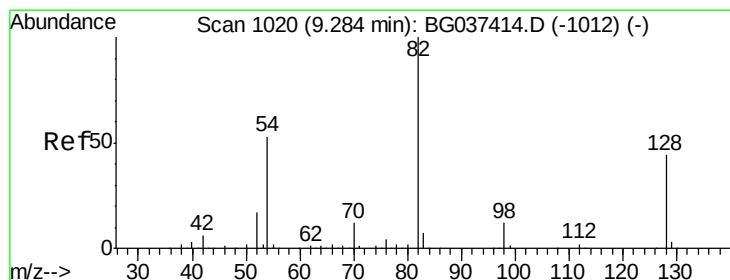
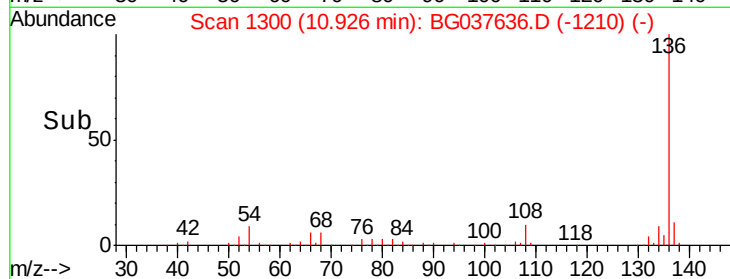
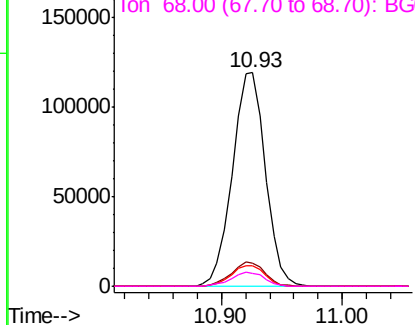
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037636.D
Acq: 29 Oct 2018 23:42

Instrument :
BNA_G
ClientSampleId :
TWP-02

Tot Ion:136	Resp:	227194
Ion Ratio	Lower	Upper
136 100		
137 10.8	9.6	14.4
54 9.4	7.9	11.9
68 5.9	4.8	7.2

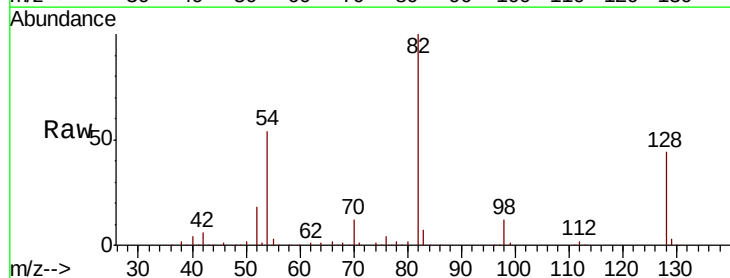


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

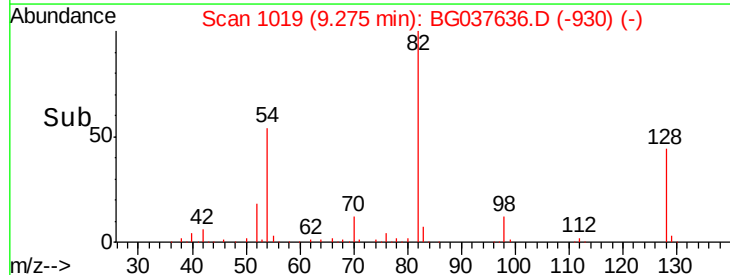
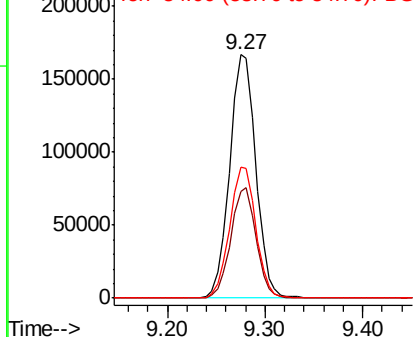


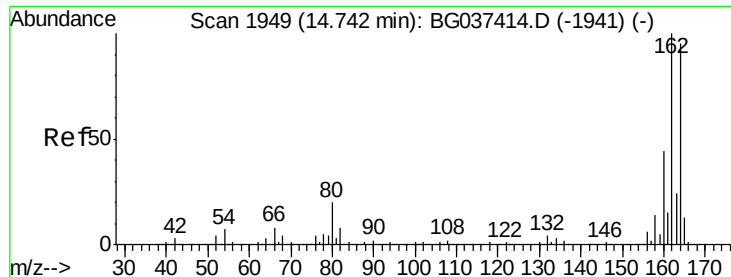
#23
Nitrobenzene-d5
Concen: 76.657 ng
RT: 9.27 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037636.D
Acq: 29 Oct 2018 23:42

Tgt Ion: 82	Resp: 310893
Ion Ratio	Lower Upper
82 100	
128 43.9	34.6 51.8
54 53.6	45.3 67.9



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037636.D

Acq: 29 Oct 2018 23:42

Instrument :

BNA_G

ClientSampleId :

TWP-02

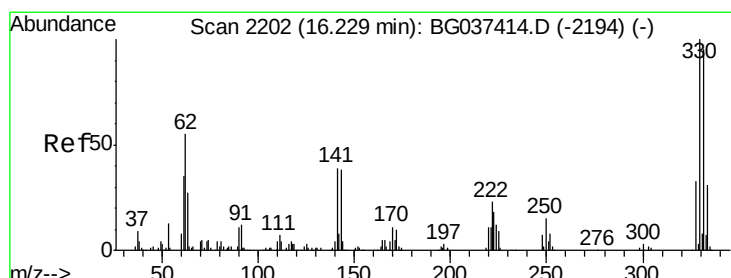
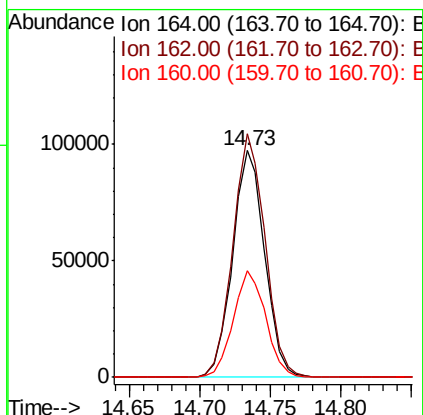
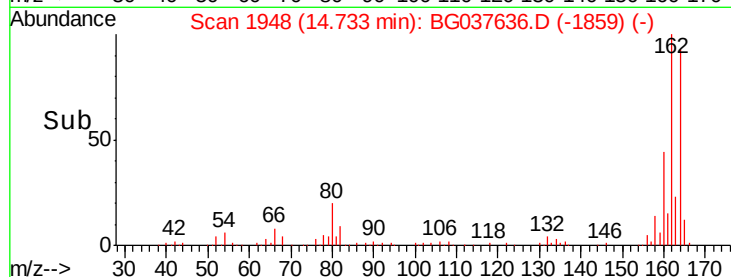
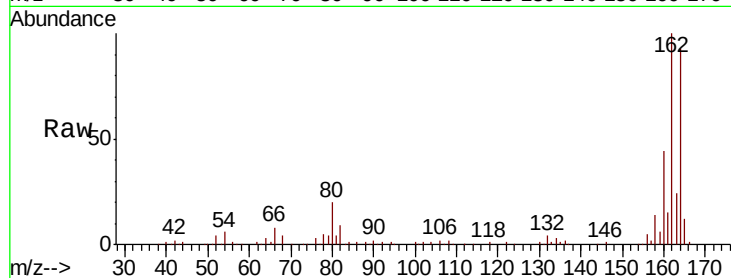
Tot Ion:164 Resp: 153622

Ion Ratio Lower Upper

164 100

162 107.3 81.3 121.9

160 46.9 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 112.137 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037636.D

Acq: 29 Oct 2018 23:42

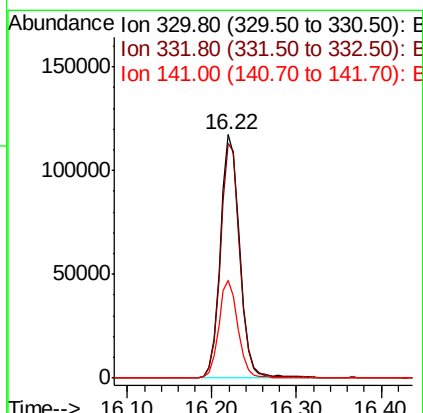
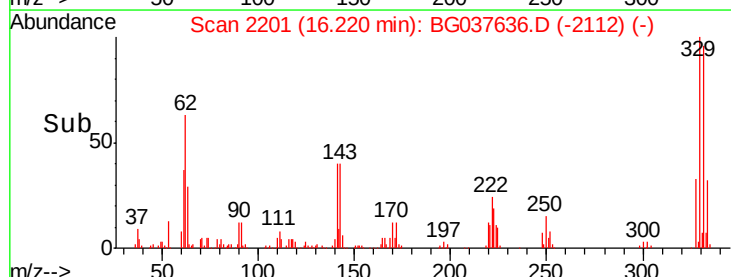
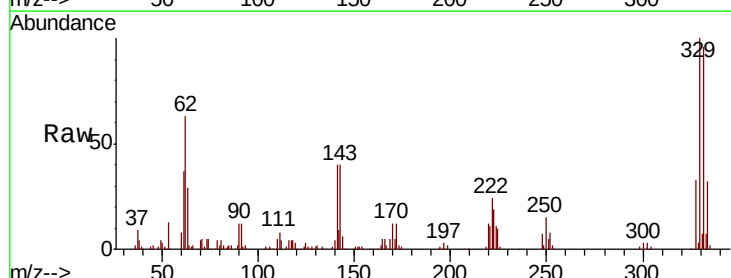
Tgt Ion:330 Resp: 187890

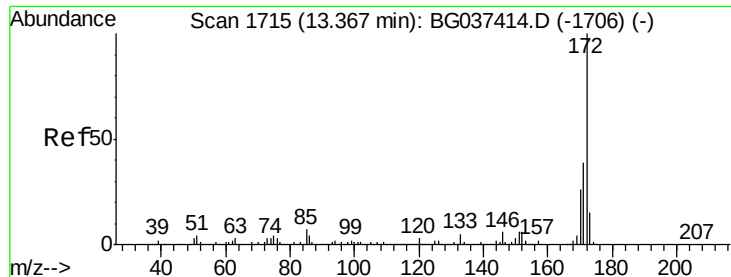
Ion Ratio Lower Upper

330 100

332 96.0 78.4 117.6

141 39.8 32.2 48.2

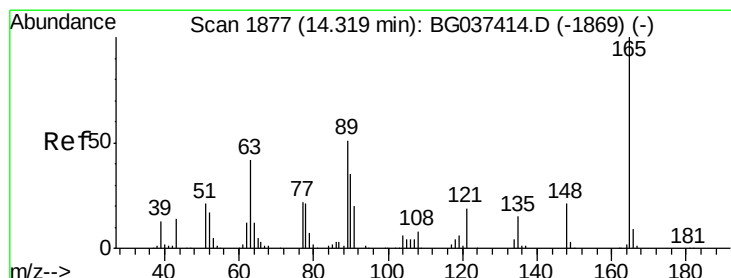
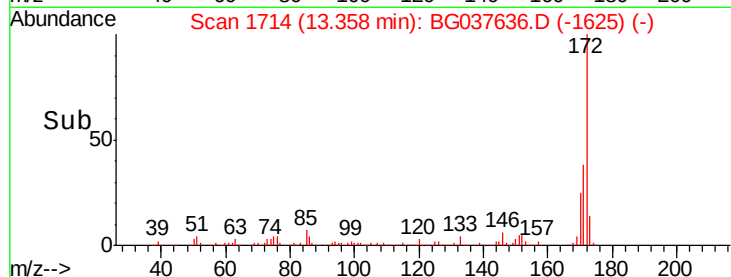
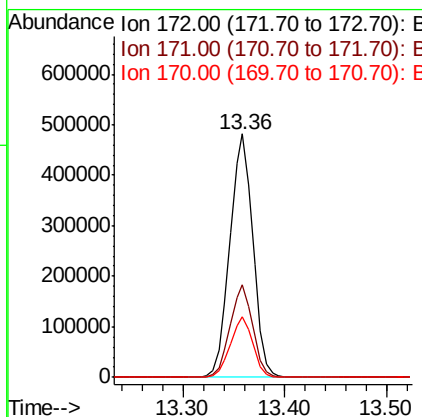
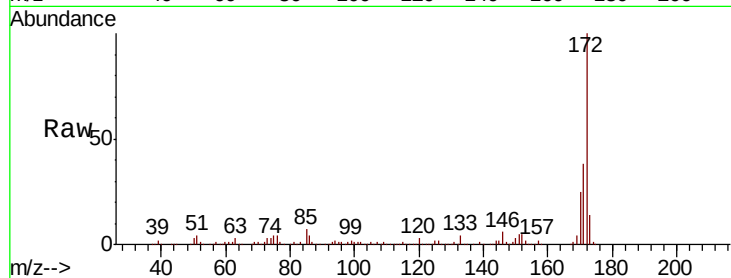




#45
 2-Fluorobiphenyl
 Concen: 74.621 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037636.D
 Acq: 29 Oct 2018 23:42

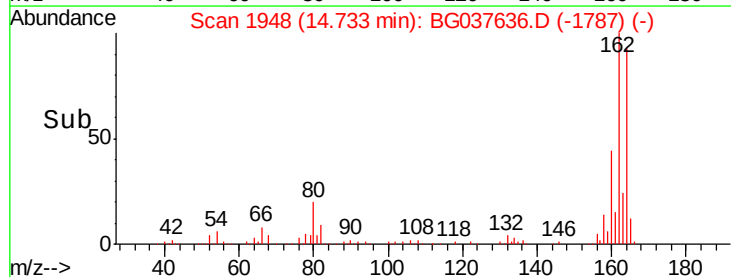
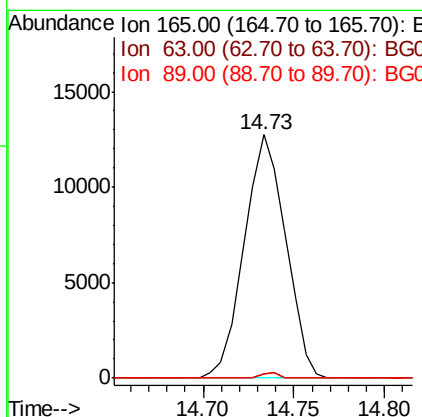
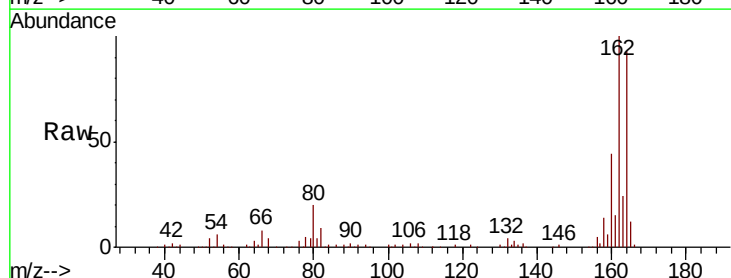
Instrument :
 BNA_G
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 TWP-02

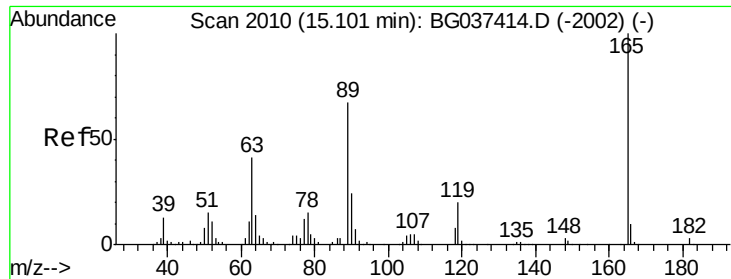
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.0	46.4
170	24.8	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.703 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037636.D
 Acq: 29 Oct 2018 23:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	43.4	65.2#
89	1.6	45.8	68.6#

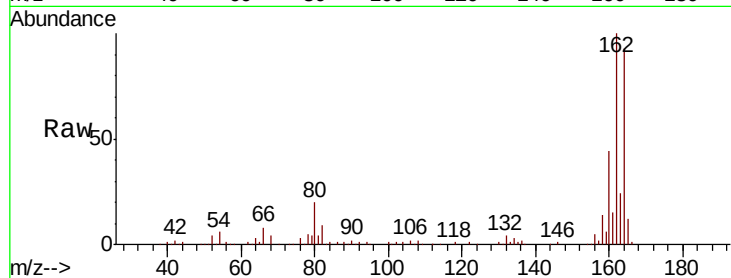




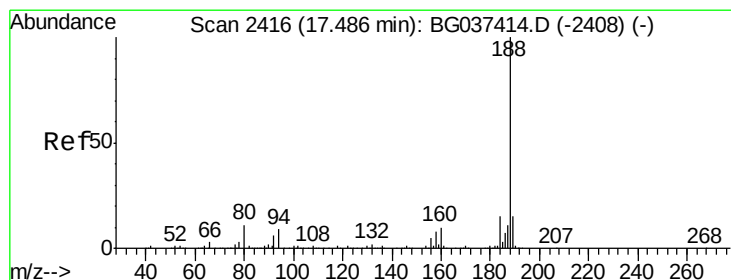
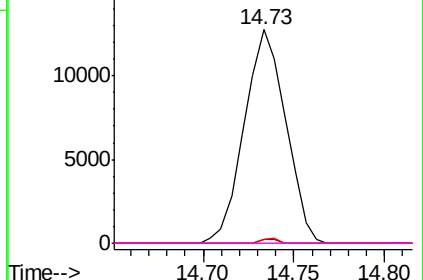
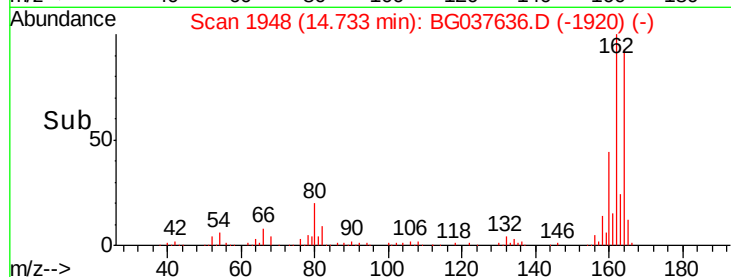
#57
 2,4-Dinitrotoluene
 Concen: 5.869 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037636.D
 Acq: 29 Oct 2018 23:42

Instrument :
 BNA_G
 ClientSampleId :
 TWP-02

Tot Ion:165	Resp:	20253
Ion Ratio	Lower	Upper
165 100		
63 1.9	33.4	50.0#
89 1.6	57.2	85.8#
182 0.0	2.6	4.0#

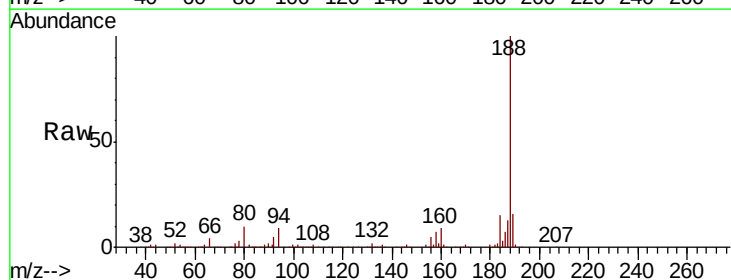


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

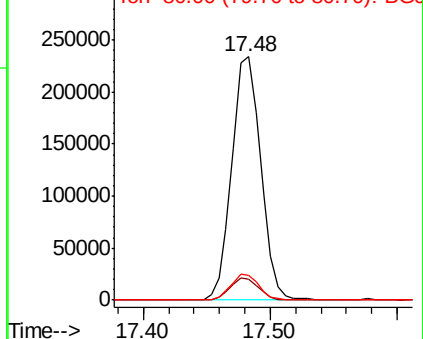
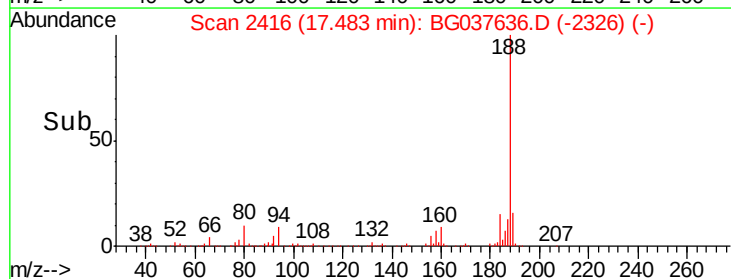


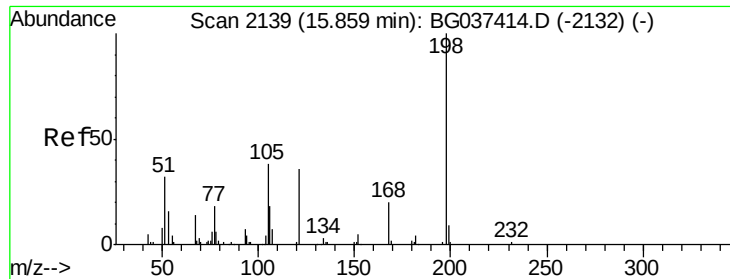
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037636.D
 Acq: 29 Oct 2018 23:42

Tgt Ion	188	Resp:	370834
Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	10.3	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

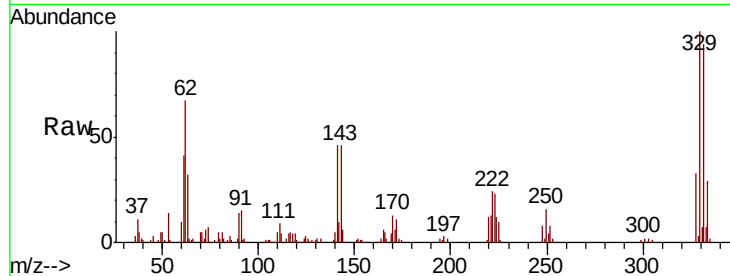




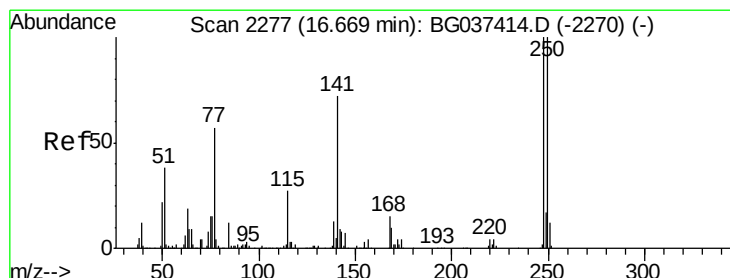
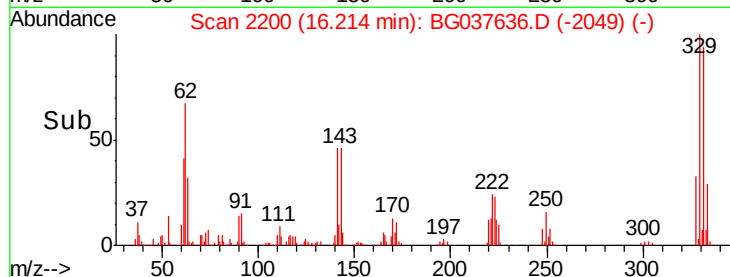
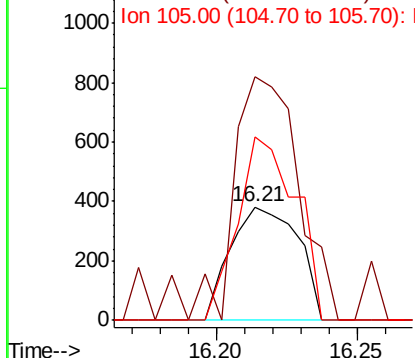
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.775 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. 0.36 min
 Lab File: BG037636.D
 Acq: 29 Oct 2018 23:42

Instrument :
 BNA_G
 ClientSampleId :
 TWP-02

Tot Ion:198 Resp: 632
 Ion Ratio Lower Upper
 198 100
 51 39.2 22.7 62.7
 105 29.5 19.7 59.7

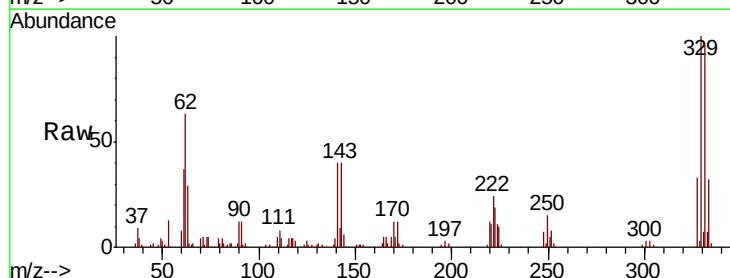


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

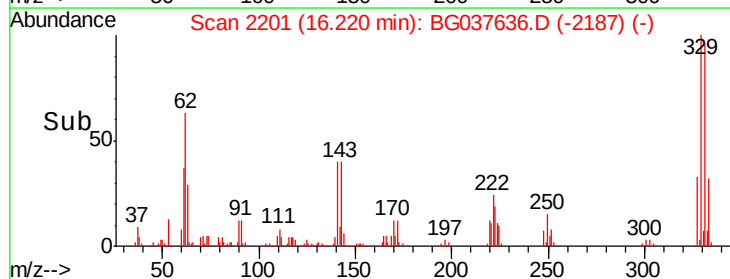
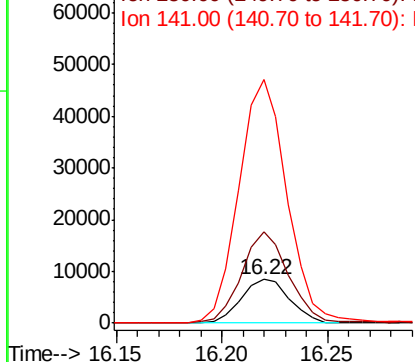


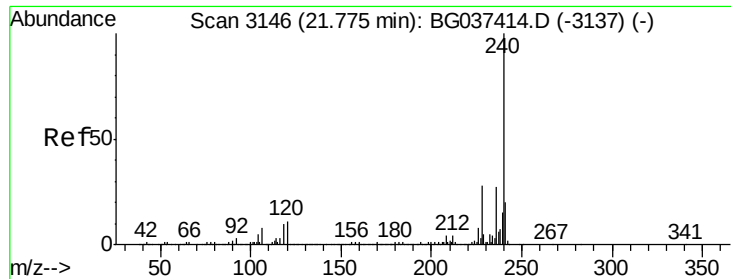
#67
 4-Bromophenyl-phenylether
 Concen: 3.307 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037636.D
 Acq: 29 Oct 2018 23:42

Tgt Ion:248 Resp: 13468
 Ion Ratio Lower Upper
 248 100
 250 225.4 77.0 115.6#
 141 450.1 55.5 83.3#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037636.D

Acq: 29 Oct 2018 23:42

Instrument :

BNA_G

ClientSampleId :

TWP-02

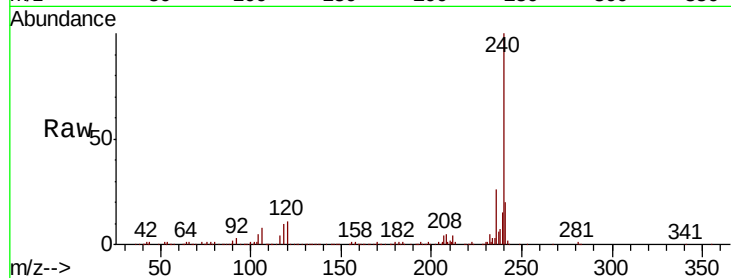
Tot Ion:240 Resp: 339681

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

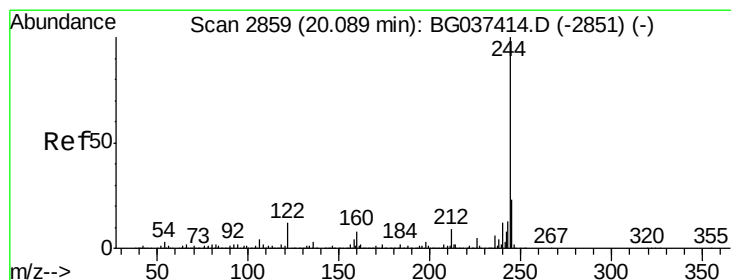
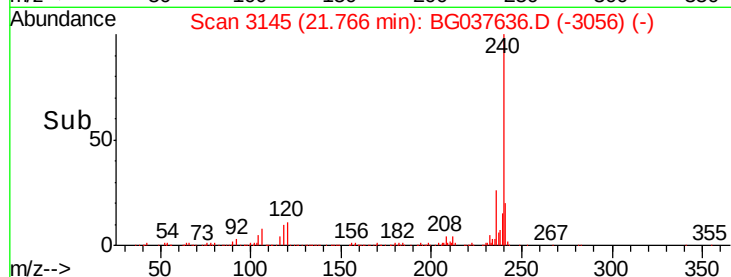
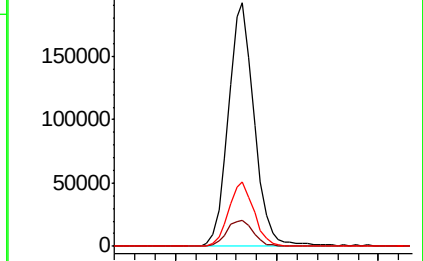
236 26.5 21.4 32.0



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



#79

Terphenyl-d14

Concen: 71.918 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037636.D

Acq: 29 Oct 2018 23:42

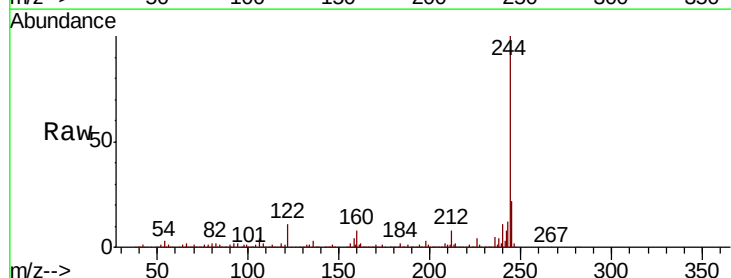
Tgt Ion:244 Resp: 1143272

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

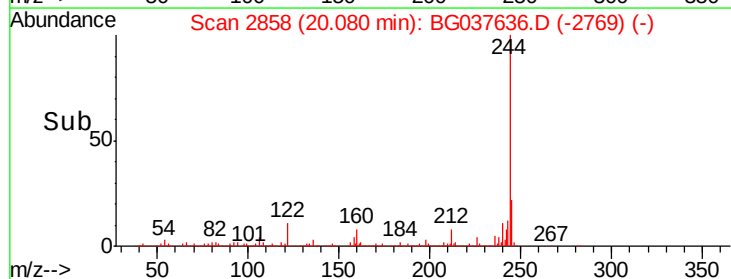
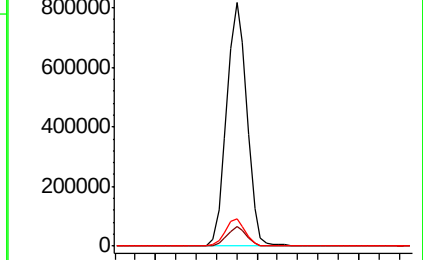
122 11.1 9.0 13.4

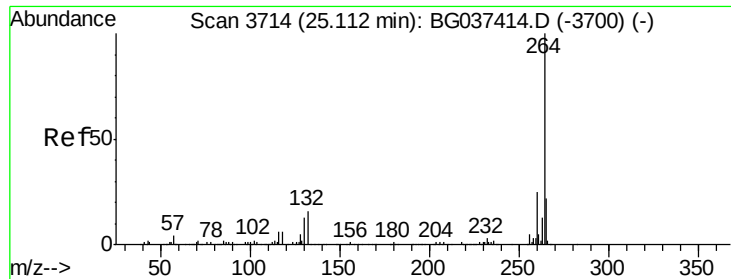


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3712
Delta R.T. -0.02 min
Lab File: BG037636.D
Acq: 29 Oct 2018 23:42

Instrument :
BNA_G
ClientSampleId :
TWP-02

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	21.4	17.9	26.9

