

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\
 Data File : BG037612.D
 Acq On : 27 Oct 2018 11:29
 Operator : JU/SJ
 Sample : J5686-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 29 04:28:15 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

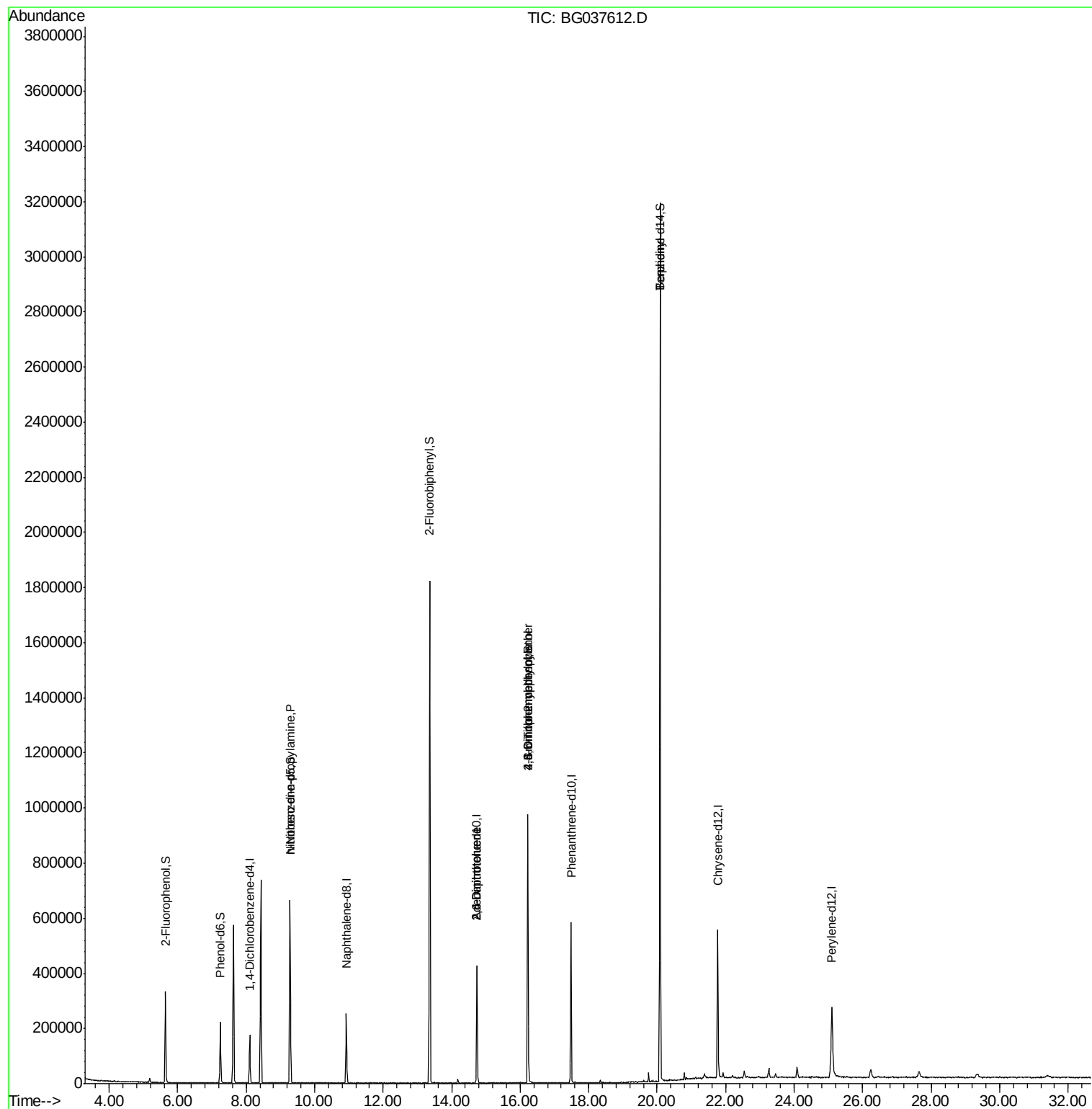
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	52934	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	222562	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	153666	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	373119	20.00	ng	0.00
76) Chrysene-d12	21.77	240	340321	20.00	ng	0.00
87) Perylene-d12	25.10	264	316128	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	155501	49.11	ng	0.00
7) Phenol-d6	7.24	99	141332	29.52	ng	0.00
23) Nitrobenzene-d5	9.28	82	426663	107.39	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	173397	103.46	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1000466	98.18	ng	0.00
79) Terphenyl-d14	20.08	244	1562750	98.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	51989	15.769	ng	# 72
51) 2,6-Dinitrotoluene	14.74	165	19784	7.523	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	19784	5.731	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	589	8.755	ng	# 65
67) 4-Bromophenyl-phenylether	16.22	248	12784	3.120	ng	# 1
77) Benzidine	20.08	184	26266	2.270	ng	# 92

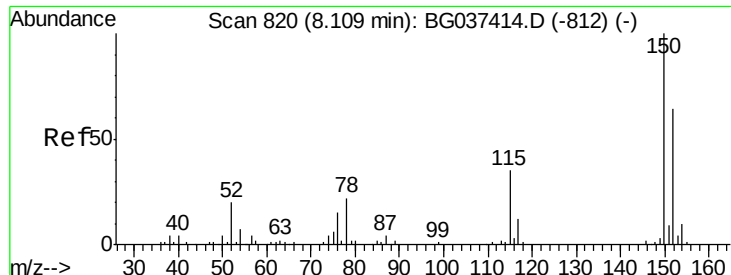
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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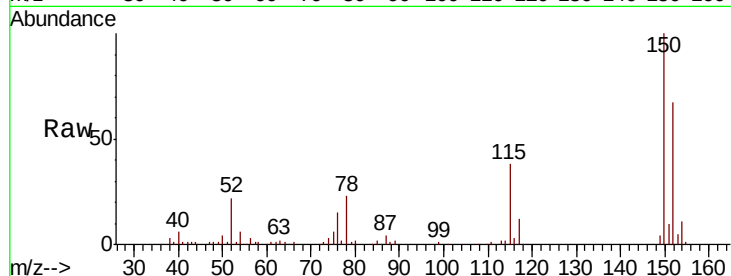


#1

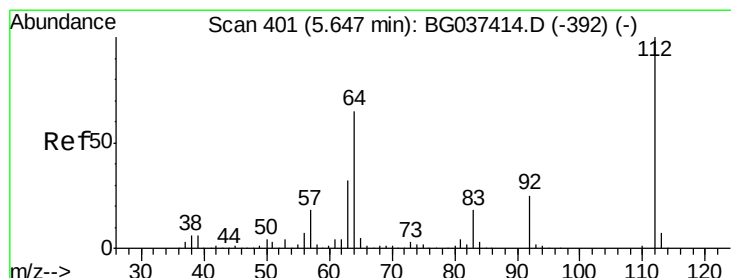
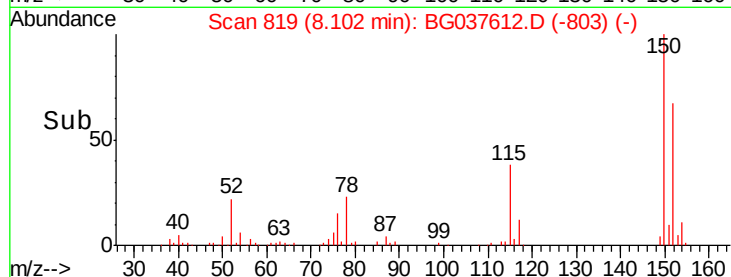
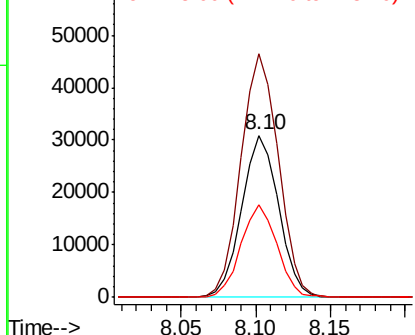
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037612.D
Acq: 27 Oct 2018 11:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52934
Ion Ratio Lower Upper
152 100
150 150.3 126.0 189.0
115 56.9 45.5 68.3



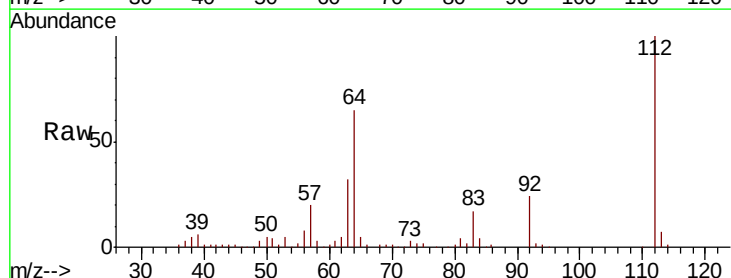
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



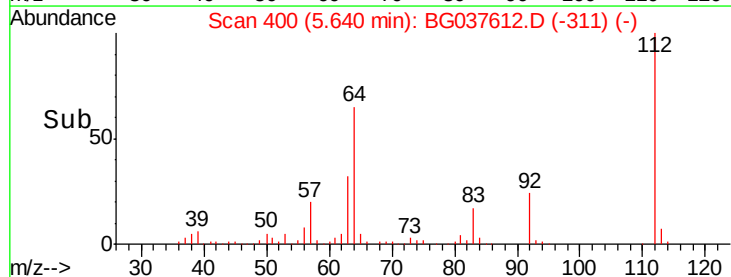
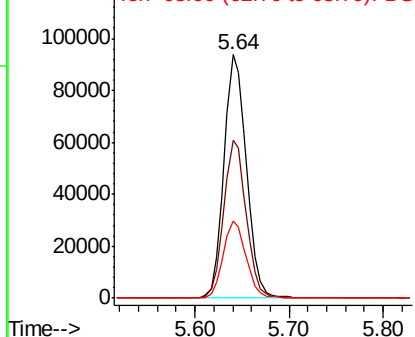
#5

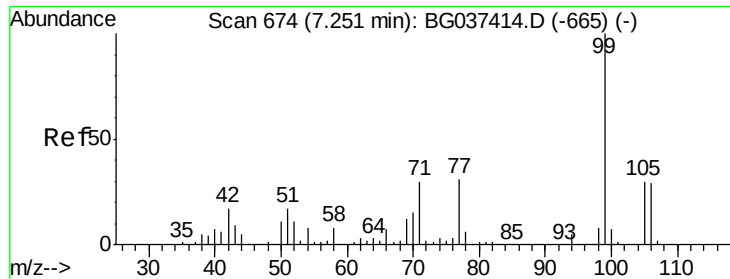
2-Fluorophenol
Concen: 49.113 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037612.D
Acq: 27 Oct 2018 11:29

Tgt Ion:112 Resp: 155501
Ion Ratio Lower Upper
112 100
64 64.9 53.1 79.7
63 32.0 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 29.520 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037612.D

Acq: 27 Oct 2018 11:29

Instrument :

BNA_G

ClientSampled :

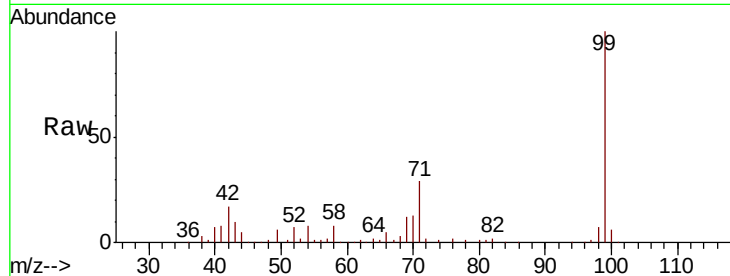
Tot Ion: 99 Resp: 141332

Ion Ratio Lower Upper

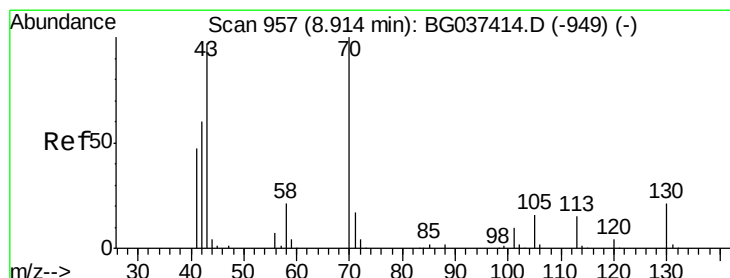
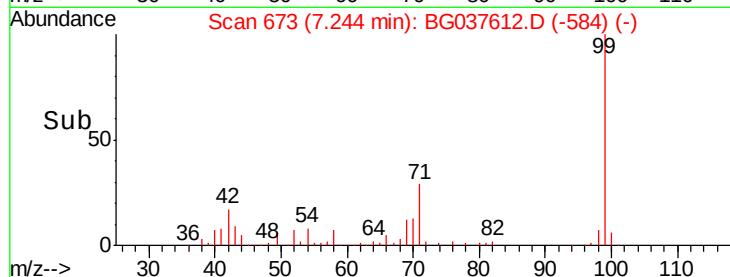
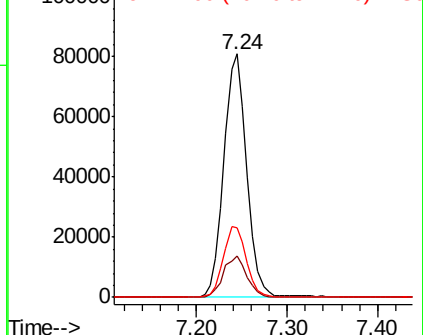
99 100

42 16.8 15.0 22.4

71 28.7 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: 15.769 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037612.D

Acq: 27 Oct 2018 11:29

Tgt Ion: 70 Resp: 51989

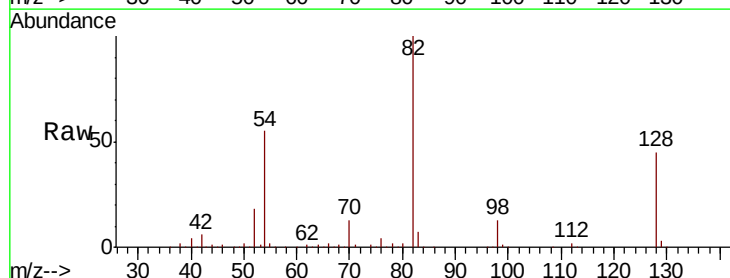
Ion Ratio Lower Upper

70 100

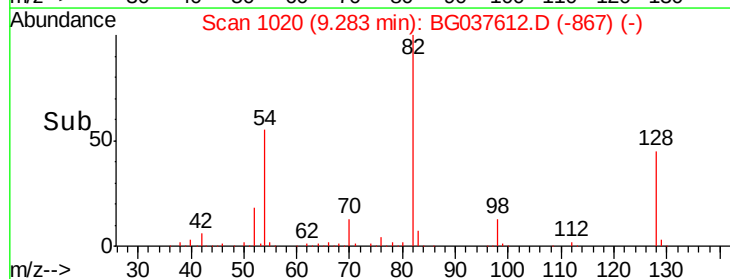
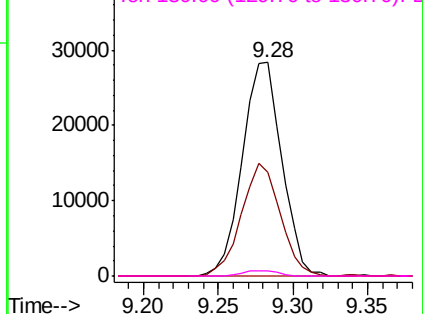
42 48.5 53.9 80.9#

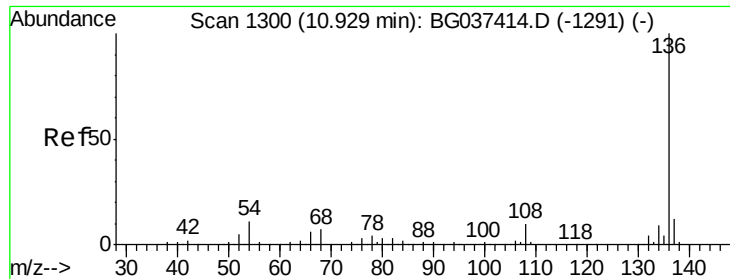
101 0.0 8.2 12.2#

130 2.7 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

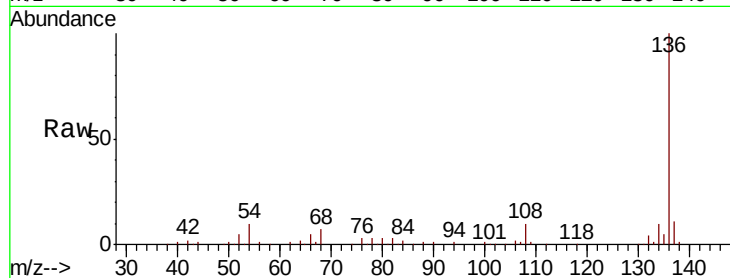




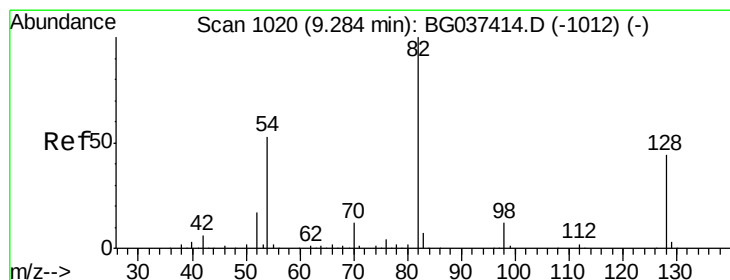
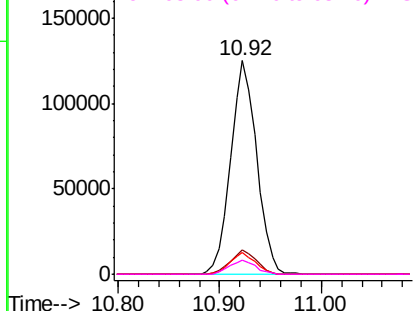
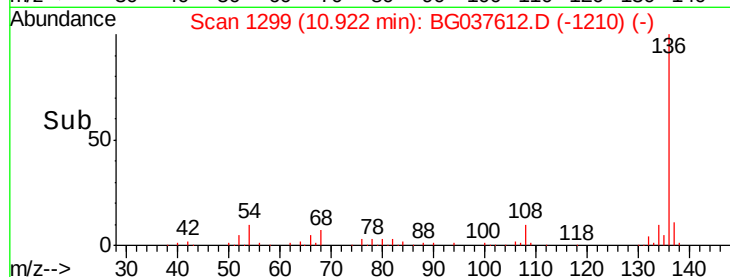
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037612.D
Acq: 27 Oct 2018 11:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	222562
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.6 14.4
54	9.9	7.9 11.9
68	6.8	4.8 7.2

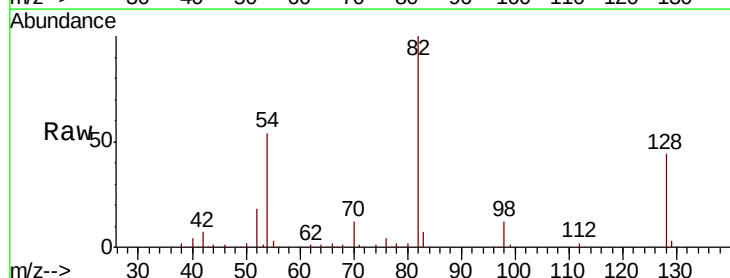


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

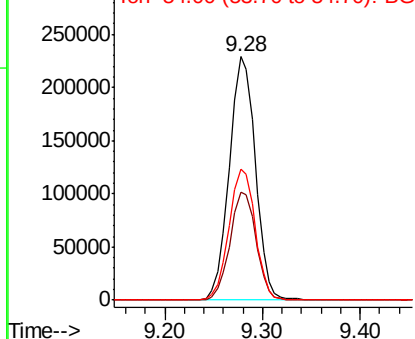
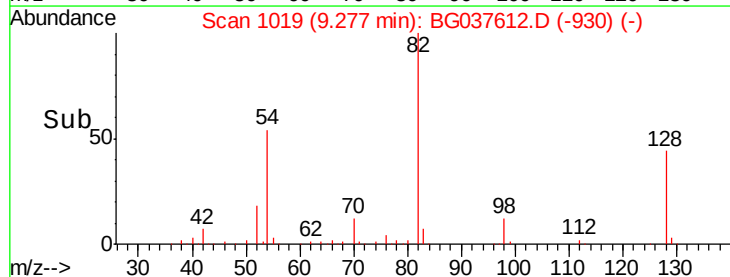


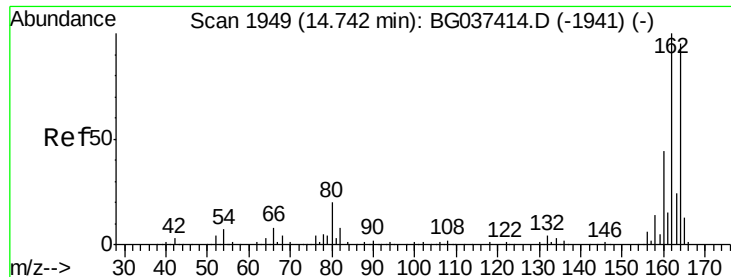
#23
Nitrobenzene-d5
Concen: 107.391 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037612.D
Acq: 27 Oct 2018 11:29

Tgt Ion: 82	Resp:	426663
Ion	Ratio	Lower Upper
82	100	
128	44.1	34.6 51.8
54	53.9	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: 14.74 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037612.D

Acq: 27 Oct 2018 11:29

Instrument :

BNA_G

ClientSampleId :

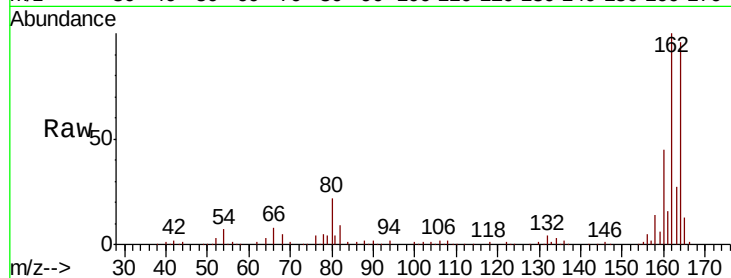
Tot Ion:164 Resp: 153666

Ion Ratio Lower Upper

164 100

162 104.4 81.3 121.9

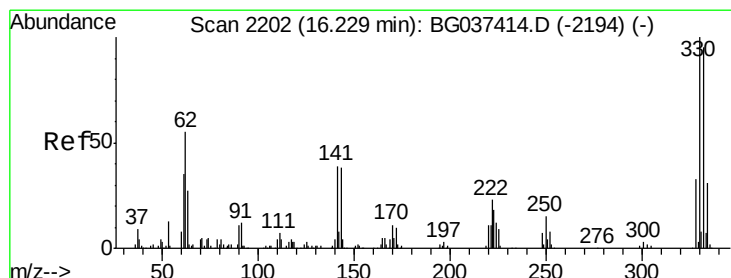
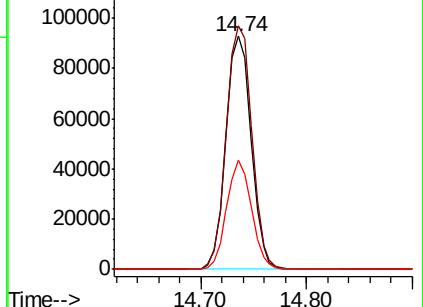
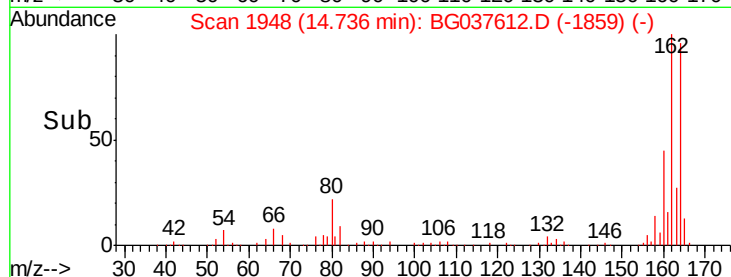
160 46.7 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 103.458 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037612.D

Acq: 27 Oct 2018 11:29

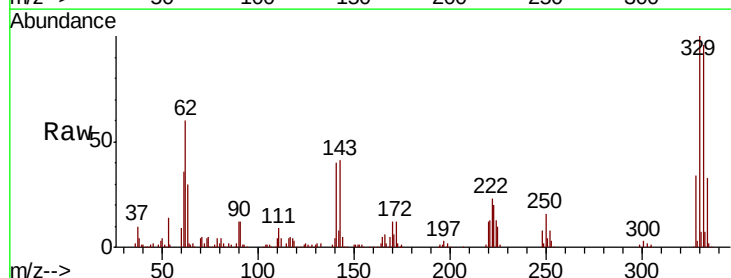
Tgt Ion:330 Resp: 173397

Ion Ratio Lower Upper

330 100

332 96.4 78.4 117.6

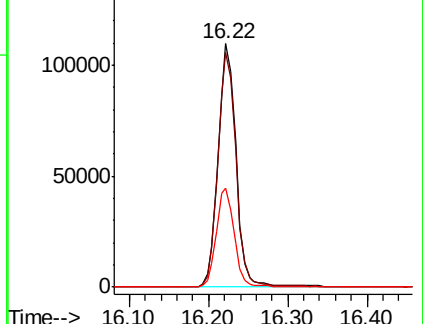
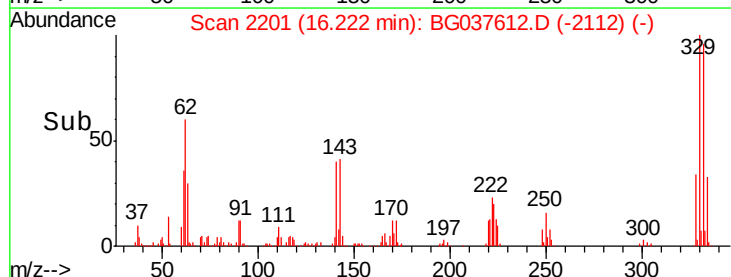
141 40.4 32.2 48.2

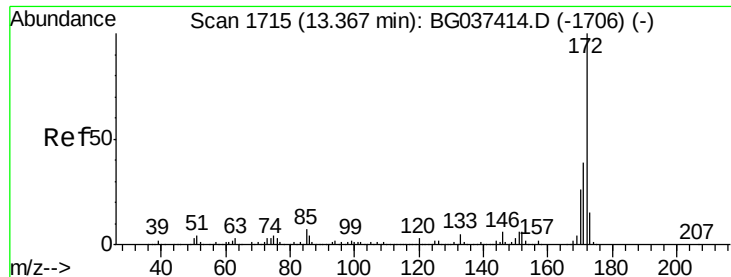


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

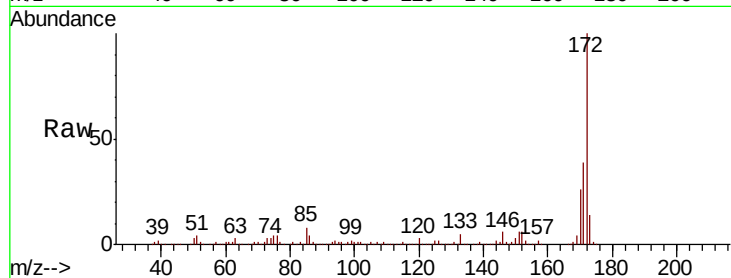




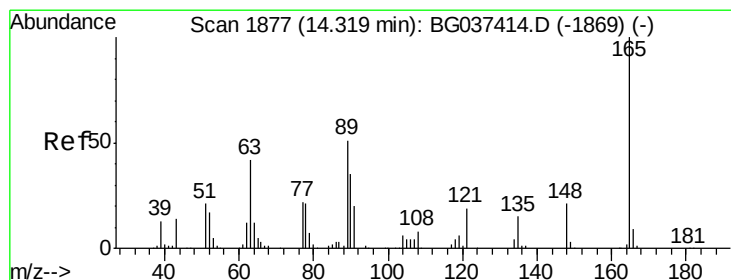
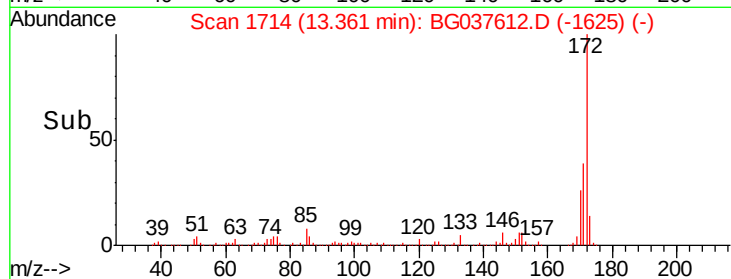
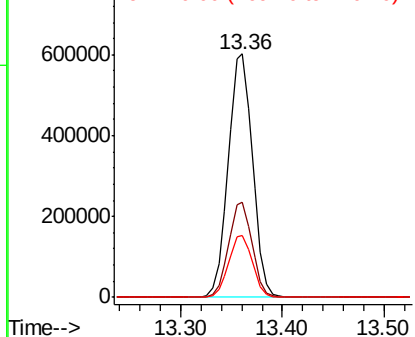
#45
 2-Fluorobiphenyl
 Concen: 98.177 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037612.D
 Acq: 27 Oct 2018 11:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1000466
 Ion Ratio Lower Upper
 172 100
 171 38.9 31.0 46.4
 170 25.6 20.2 30.2

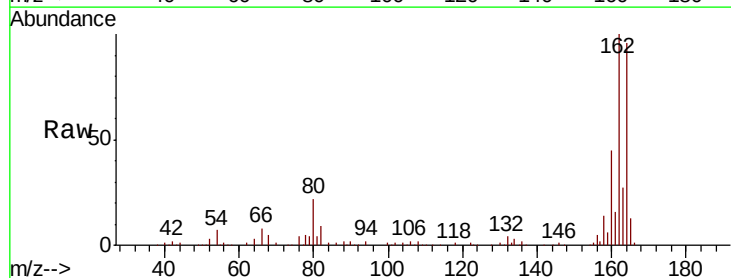


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

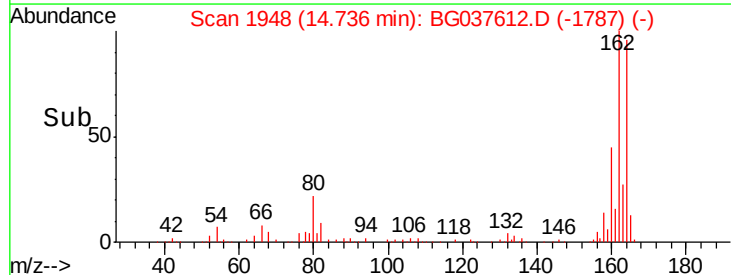
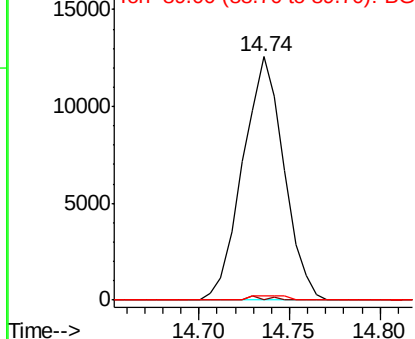


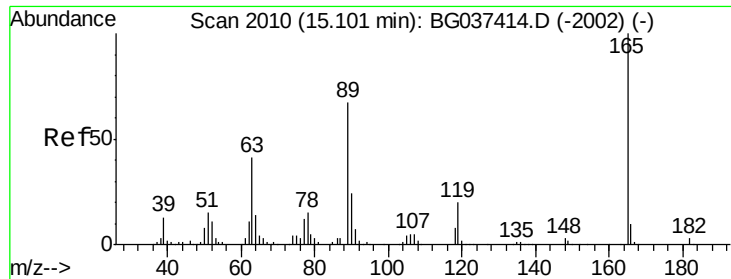
#51
 2,6-Dinitrotoluene
 Concen: 7.523 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG037612.D
 Acq: 27 Oct 2018 11:29

Tgt Ion:165 Resp: 19784
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.2#
 89 2.0 45.8 68.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

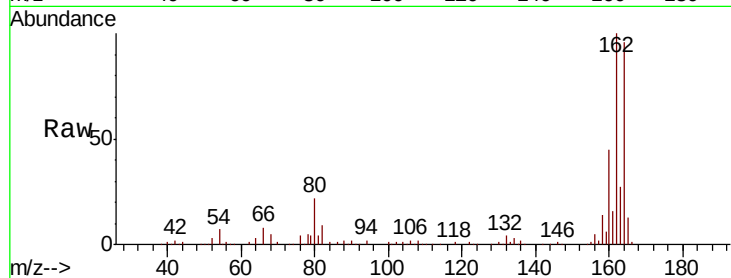




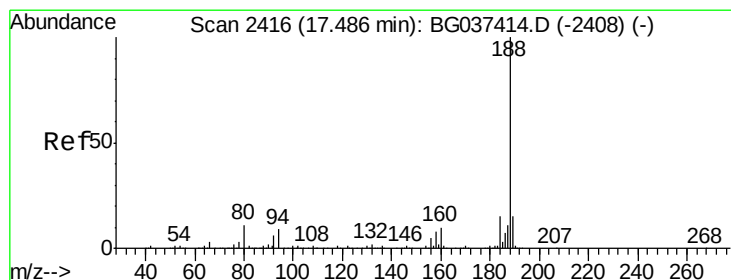
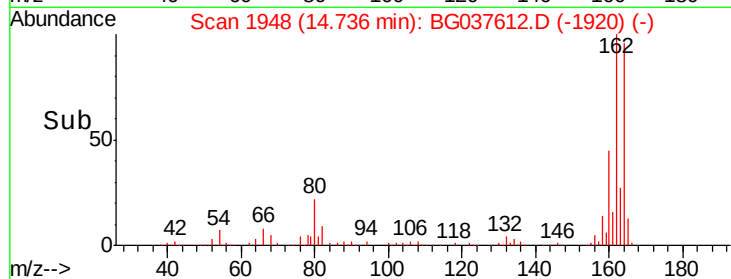
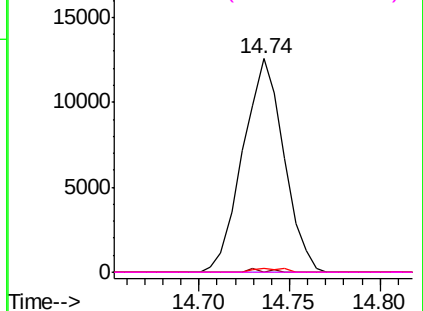
#57
 2,4-Dinitrotoluene
 Concen: 5.731 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037612.D
 Acq: 27 Oct 2018 11:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	19784
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	2.0	57.2 85.8#
182	0.0	2.6 4.0#

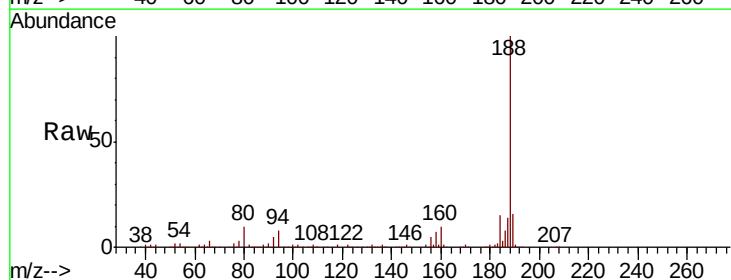


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

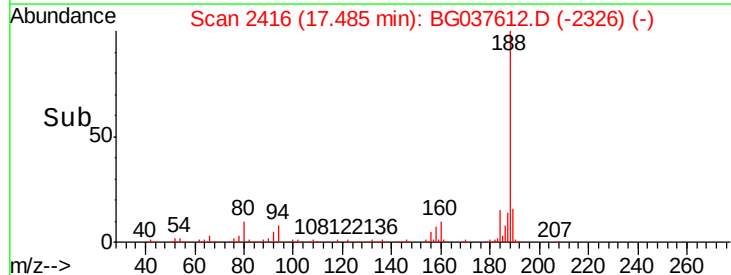
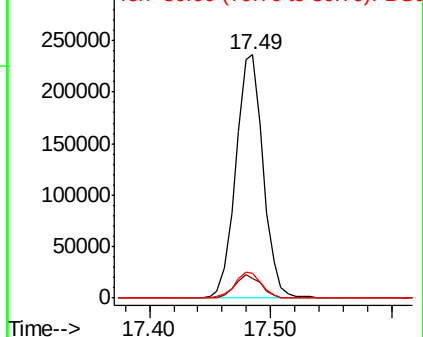


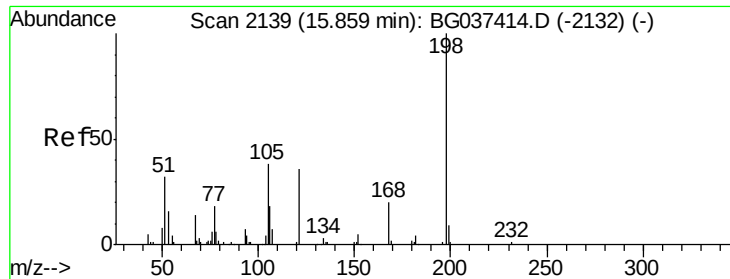
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037612.D
 Acq: 27 Oct 2018 11:29

Tgt Ion:188	Resp:	373119
Ion Ratio	Lower	Upper
188	100	
94	8.2	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

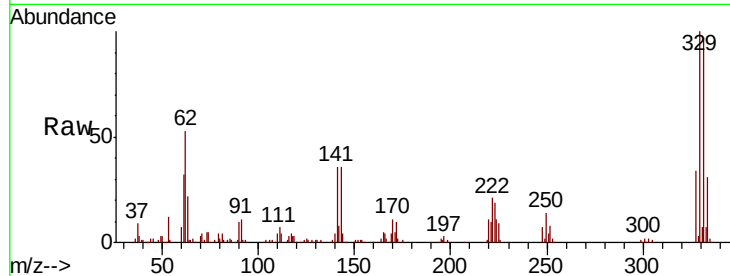




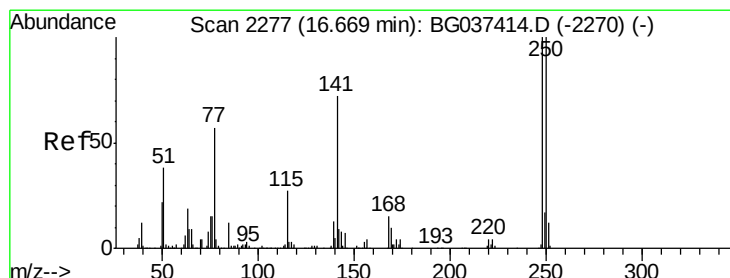
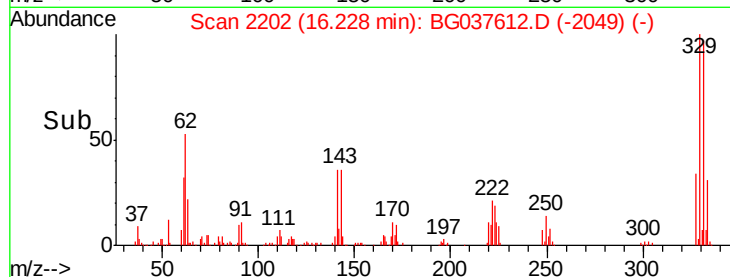
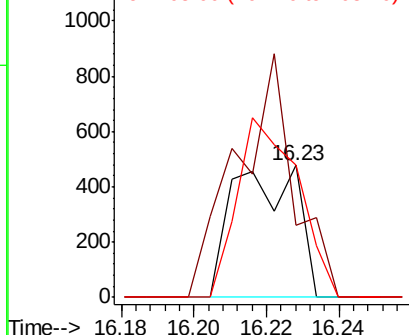
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.755 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. 0.37 min
 Lab File: BG037612.D
 Acq: 27 Oct 2018 11:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 589
 Ion Ratio Lower Upper
 198 100
 51 13.7 22.7 62.7#
 105 25.1 19.7 59.7

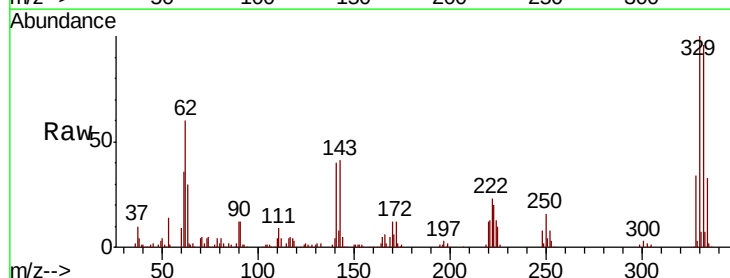


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

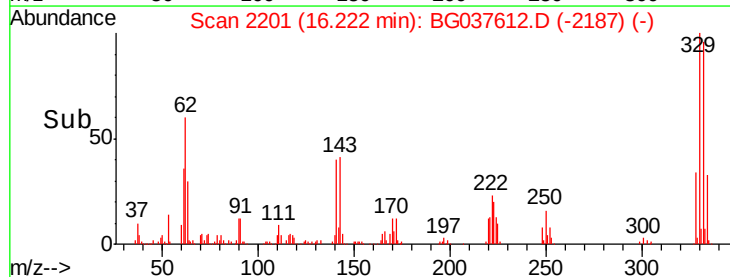
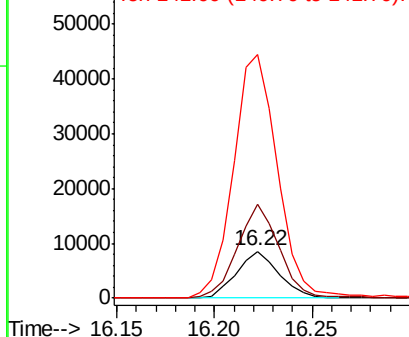


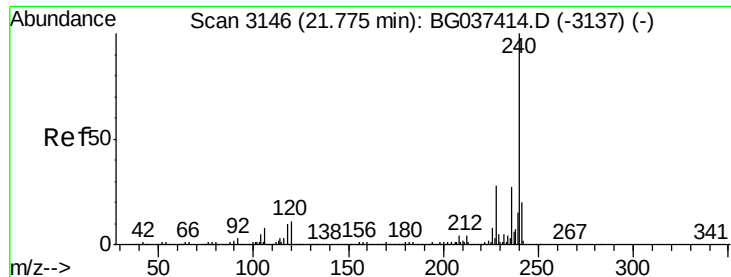
#67
 4-Bromophenyl-phenylether
 Concen: 3.120 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037612.D
 Acq: 27 Oct 2018 11:29

Tgt Ion:248 Resp: 12784
 Ion Ratio Lower Upper
 248 100
 250 199.3 77.0 115.6#
 141 403.2 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

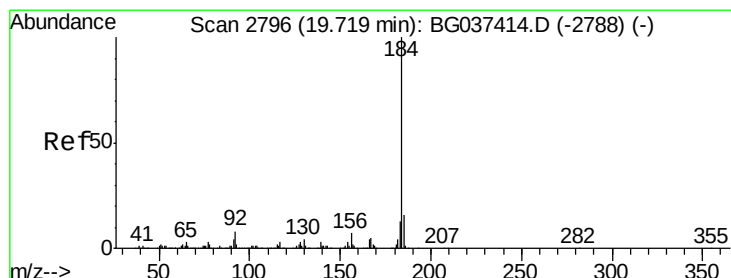
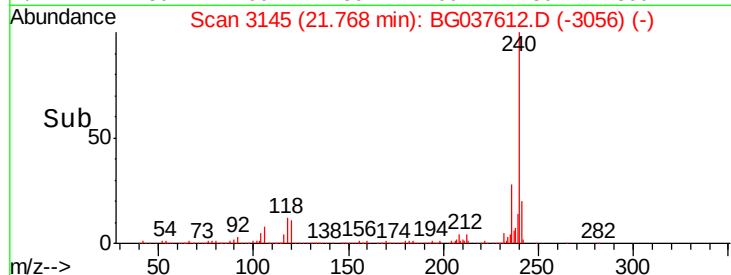
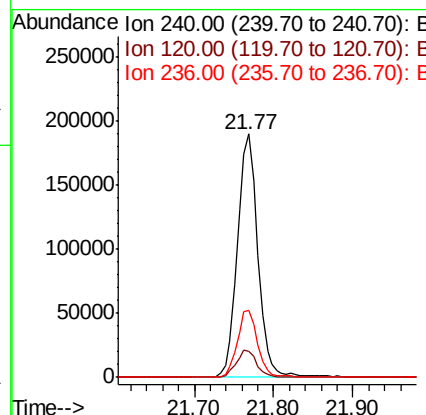
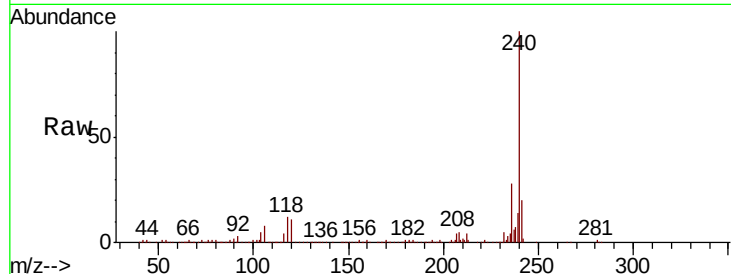




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037612.D
 Acq: 27 Oct 2018 11:29

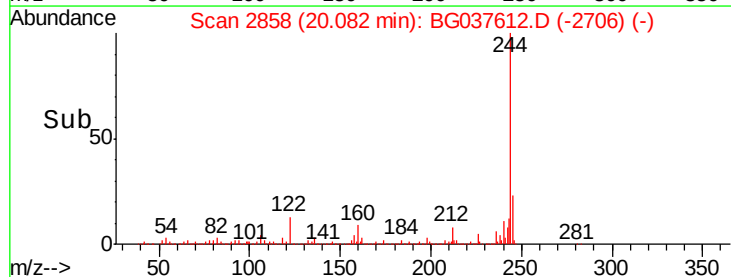
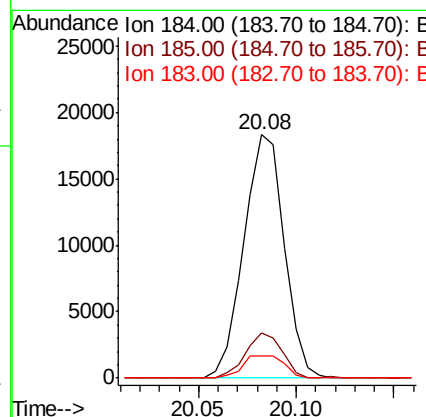
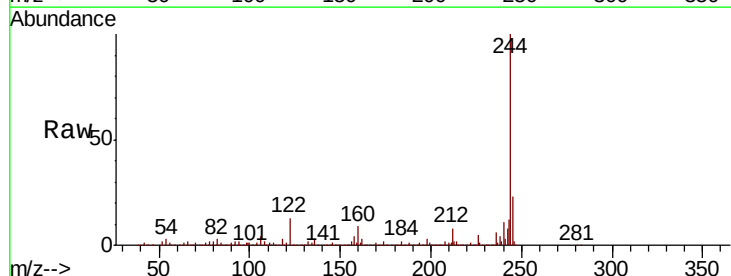
Instrument :
 BNA_G
 ClientSampleId :

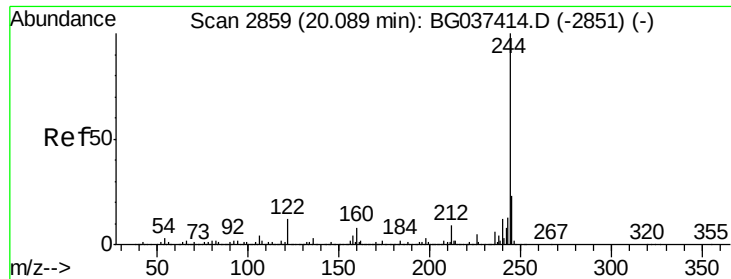
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.1	12.1
236	27.8	21.4	32.0



#77
 Benzidine
 Concen: 2.270 ng
 RT: 20.08 min Scan# 2858
 Delta R.T. 0.36 min
 Lab File: BG037612.D
 Acq: 27 Oct 2018 11:29

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.8	12.6	18.8
183	9.3	10.2	15.2#





#79

Terphenyl-d14

Concen: 98.120 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037612.D

Acq: 27 Oct 2018 11:29

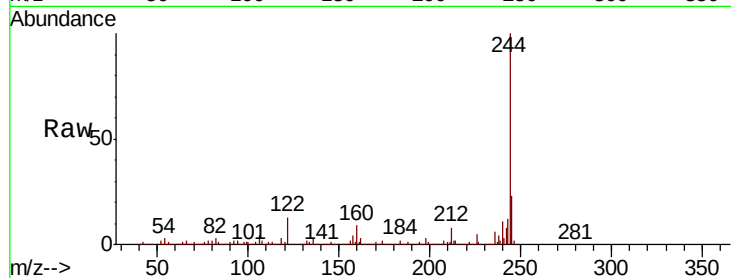
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1562750

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	12.6	9.0	13.4

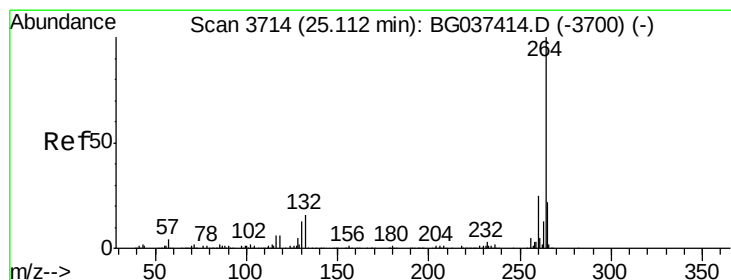
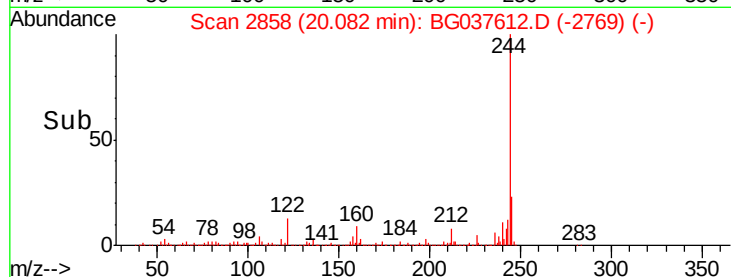
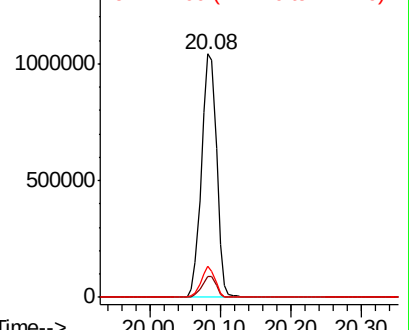


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

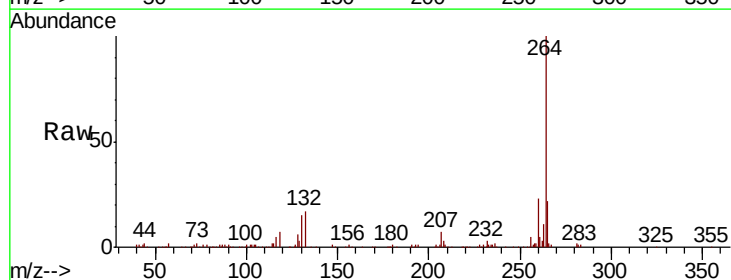
Delta R.T. -0.01 min

Lab File: BG037612.D

Acq: 27 Oct 2018 11:29

Tgt Ion:264 Resp: 316128

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	22.4	17.9	26.9



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

