

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\
 Data File : BG037563.D
 Acq On : 26 Oct 2018 3:28
 Operator : JU/SJ
 Sample : J5633-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 26 08:08:43 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	8.11	152	60552	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	266598	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	177815	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	393450	20.00	ng	0.00
76) Chrysene-d12	21.77	240	358228	20.00	ng	0.00
87) Perylene-d12	25.10	264	366887	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	204325	56.41	ng	0.00
7) Phenol-d6	7.24	99	186719	34.09	ng	0.00
23) Nitrobenzene-d5	9.28	82	419969	88.25	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	248100	127.93	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	983008	83.36	ng	0.00
79) Terphenyl-d14	20.08	244	1304789	77.83	ng	0.00

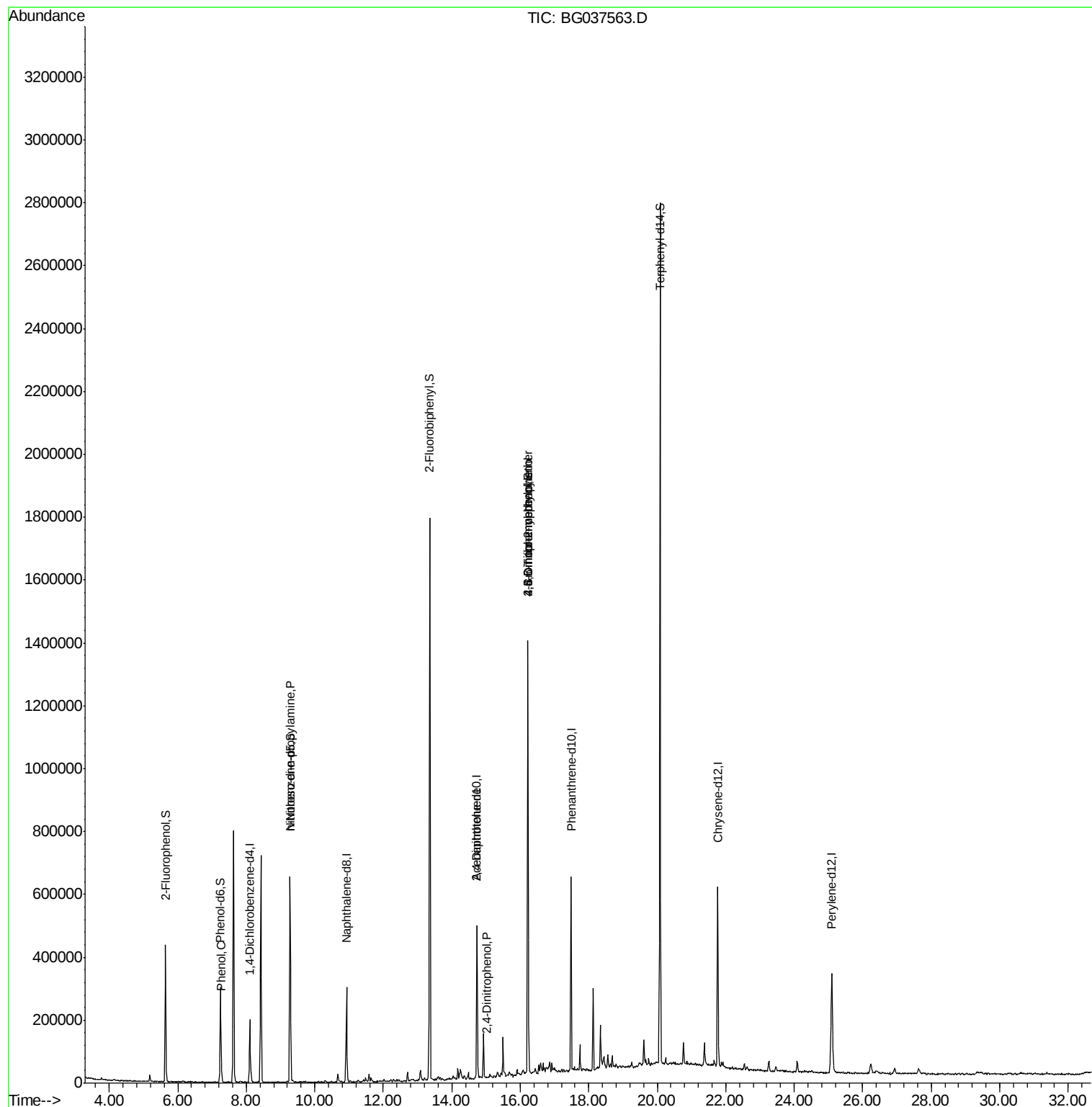
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.27	94	42788	7.405	ng	92
19) n-Nitroso-di-n-propylamine	9.28	70	52532	13.929	ng	# 75
54) 2,4-Dinitrophenol	15.02	184	54	6.182	ng	# 10
57) 2,4-Dinitrotoluene	14.73	165	22932	5.741	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.22	198	968	8.893	ng	93
67) 4-Bromophenyl-phenylether	16.23	248	18876	4.369	ng	# 1

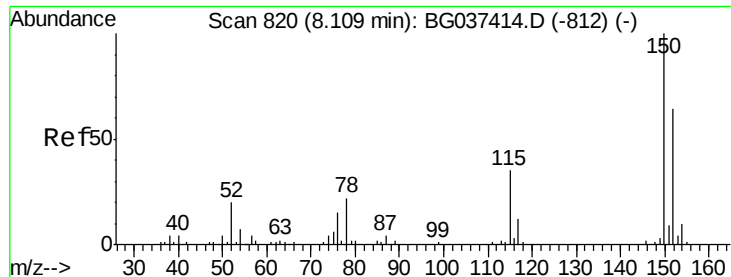
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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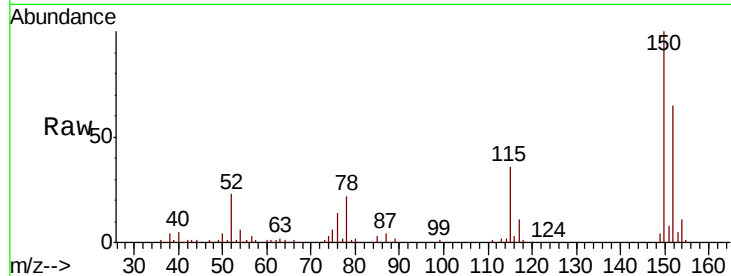


#1

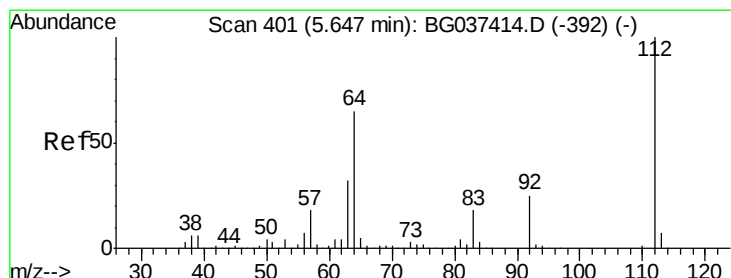
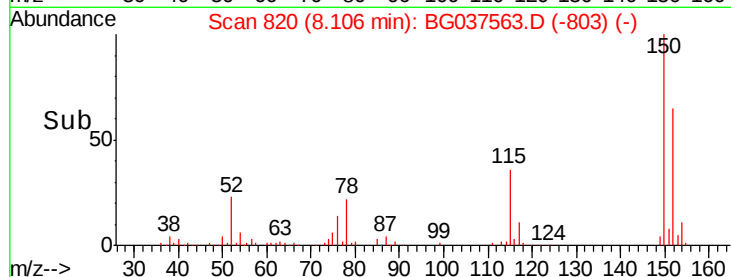
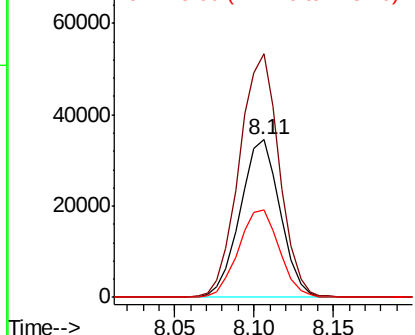
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037563.D
Acq: 26 Oct 2018 3:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60552
Ion Ratio Lower Upper
152 100
150 154.4 126.0 189.0
115 55.3 45.5 68.3



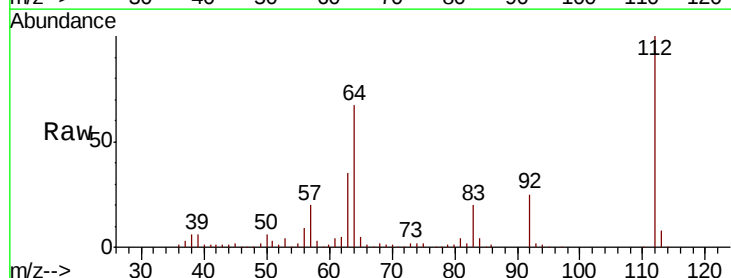
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



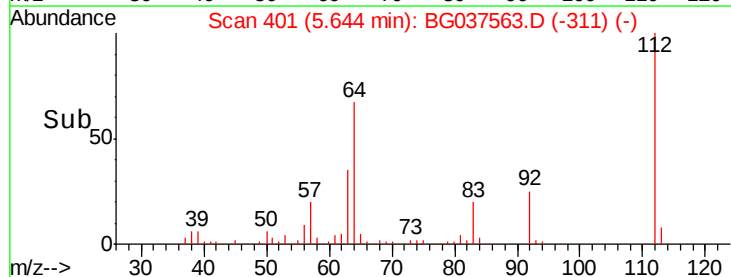
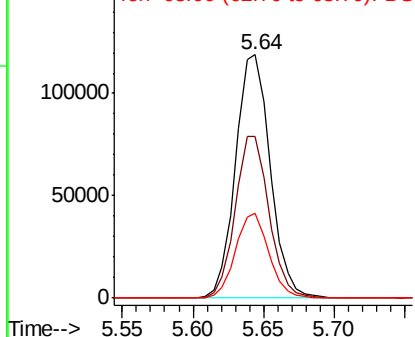
#5

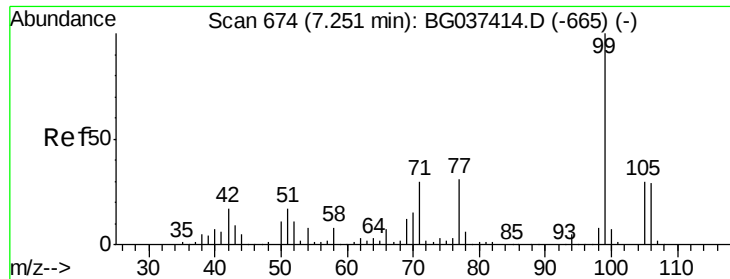
2-Fluorophenol
Concen: 56.415 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037563.D
Acq: 26 Oct 2018 3:28

Tgt Ion:112 Resp: 204325
Ion Ratio Lower Upper
112 100
64 66.5 53.1 79.7
63 34.9 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: 34.093 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037563.D

Acq: 26 Oct 2018 3:28

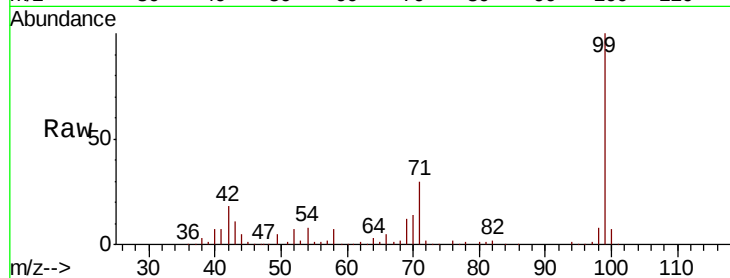
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 186719

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.0	22.4
71	29.6	25.5	38.3

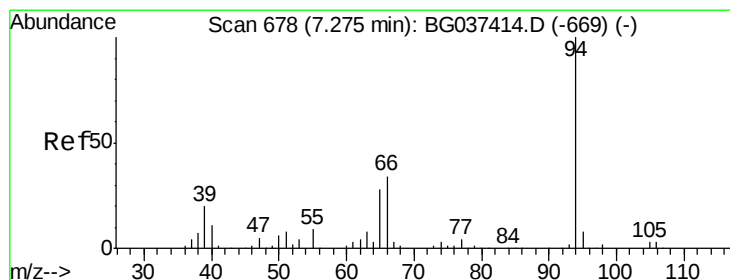
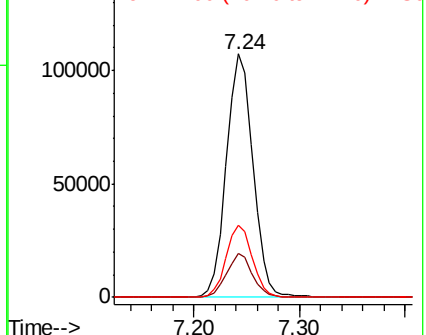
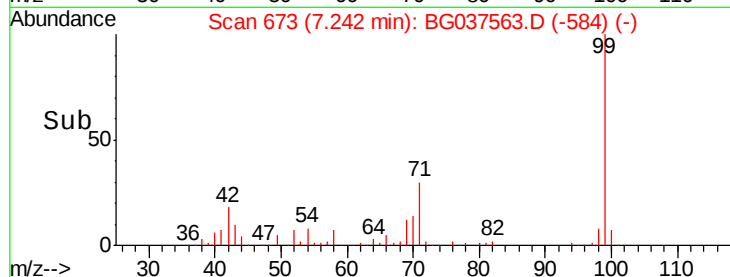


Abundance

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



#10

Phenol

Concen: 7.405 ng

RT: 7.27 min Scan# 677

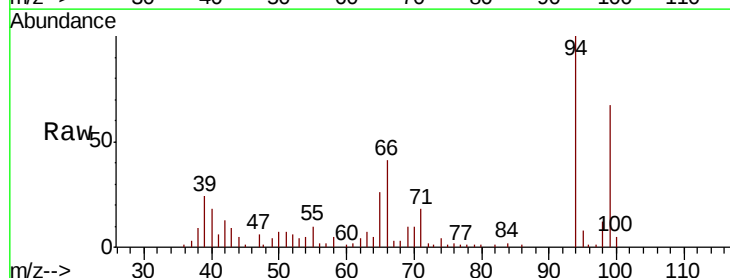
Delta R.T. -0.01 min

Lab File: BG037563.D

Acq: 26 Oct 2018 3:28

Tgt Ion: 94 Resp: 42788

Ion	Ratio	Lower	Upper
94	100		
65	26.3	9.7	49.7
66	41.3	15.9	55.9

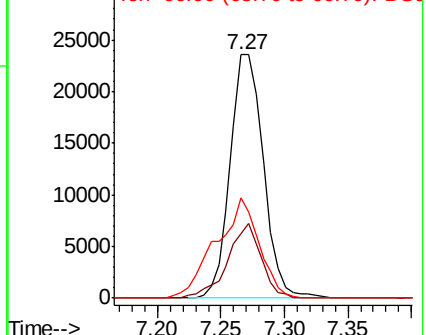
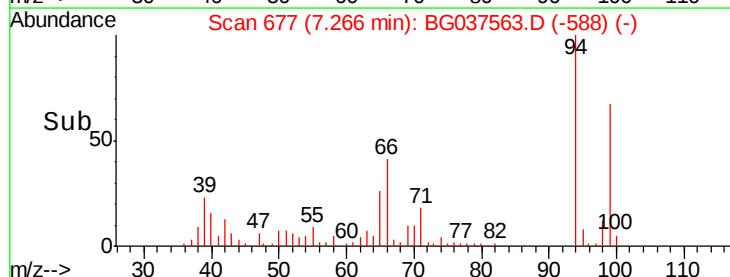


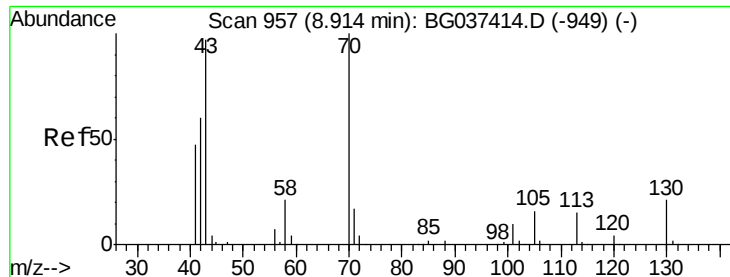
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 13.929 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037563.D

Acq: 26 Oct 2018 3:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 52532

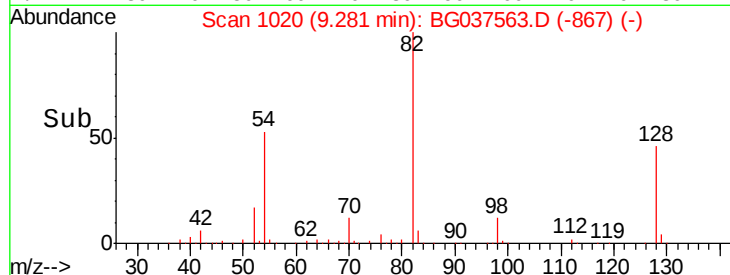
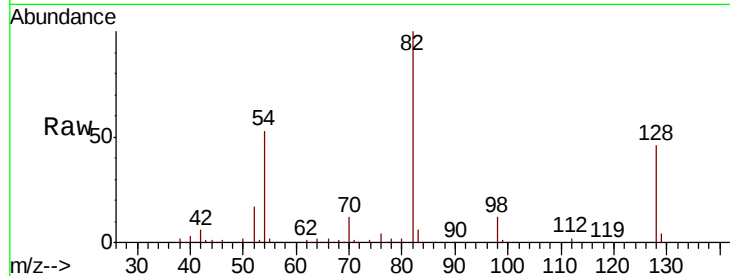
Ion Ratio Lower Upper

70 100

42 51.8 53.9 80.9#

101 0.0 8.2 12.2#

130 2.4 18.2 27.4#



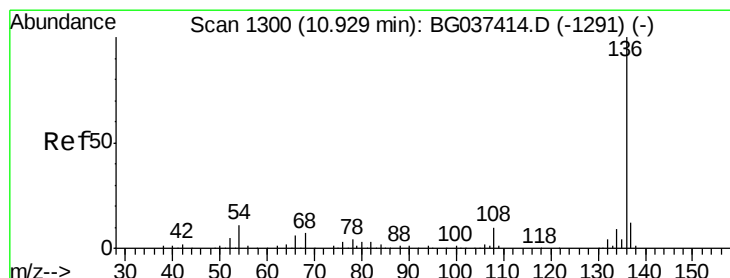
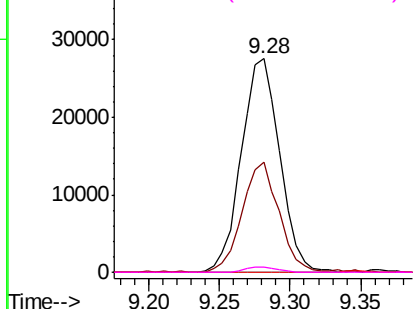
Abundance

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: BG037563.D

Acq: 26 Oct 2018 3:28

Tgt Ion: 136 Resp: 266598

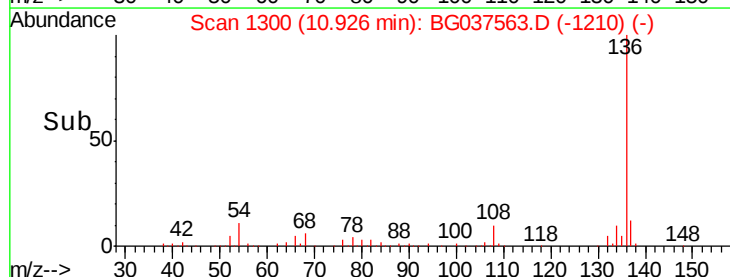
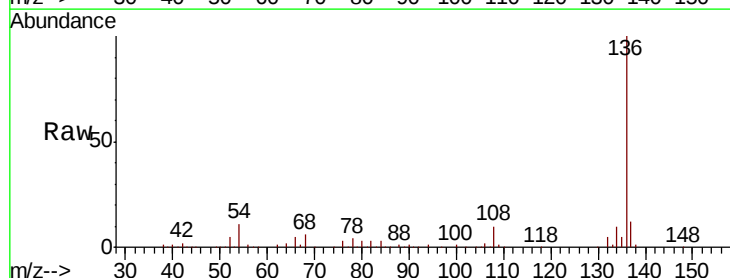
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 11.1 7.9 11.9

68 6.5 4.8 7.2



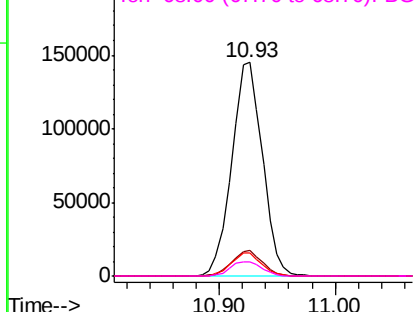
Abundance

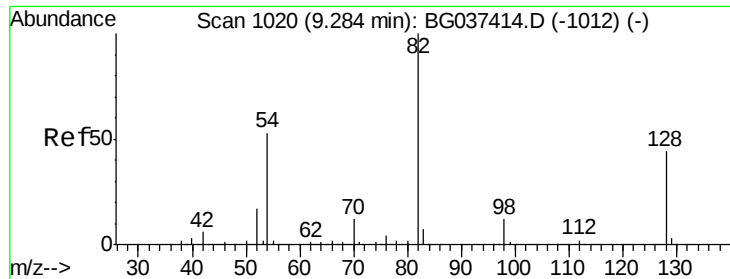
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

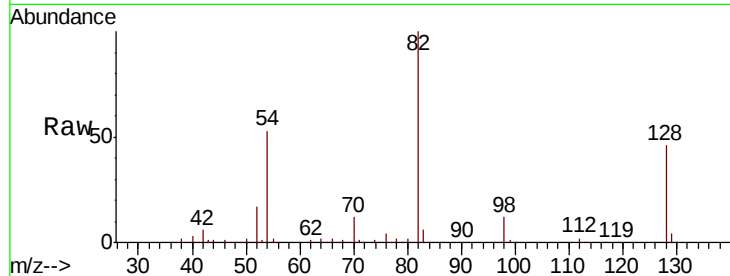




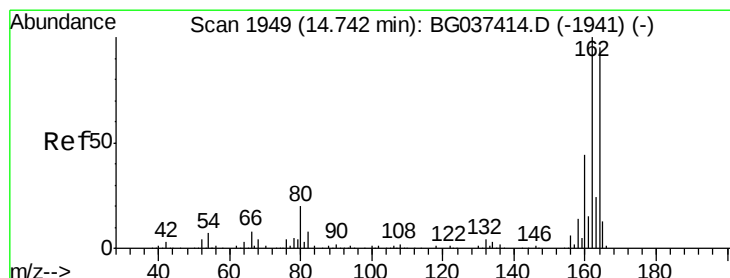
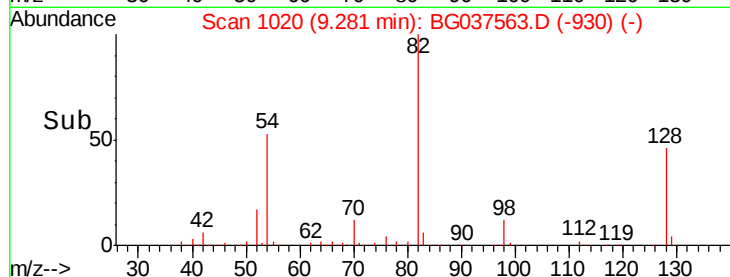
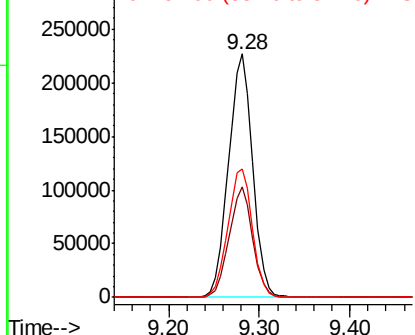
#23
 Nitrobenzene-d5
 Concen: 88.246 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037563.D
 Acq: 26 Oct 2018 3:28

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	82	Resp	419969
Ion Ratio	Lower	Upper	
82	100		
128	45.5	34.6	51.8
54	52.5	45.3	67.9

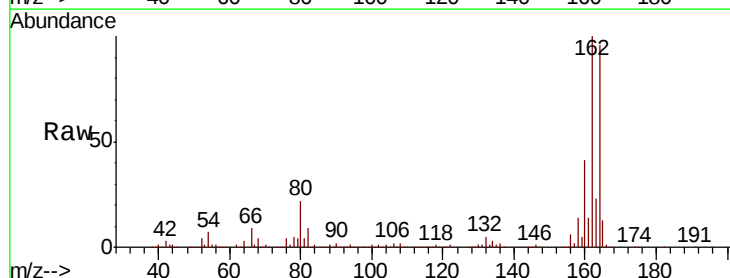


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

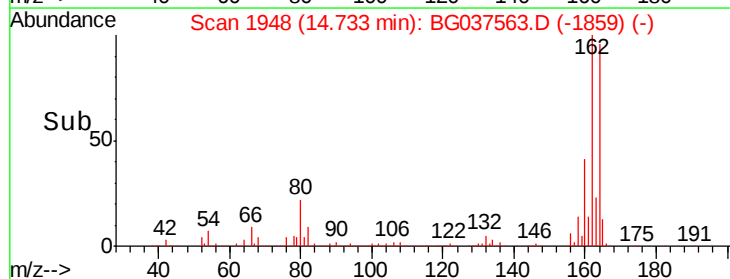
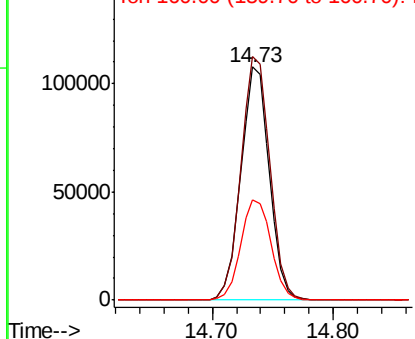


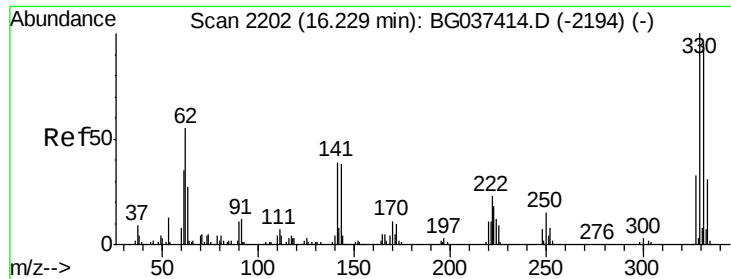
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037563.D
 Acq: 26 Oct 2018 3:28

Tgt Ion	164	Resp	177815
Ion Ratio	Lower	Upper	
164	100		
162	104.6	81.3	121.9
160	43.3	36.3	54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 127.926 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037563.D

Acq: 26 Oct 2018 3:28

Instrument :

BNA_G

ClientSampleId :

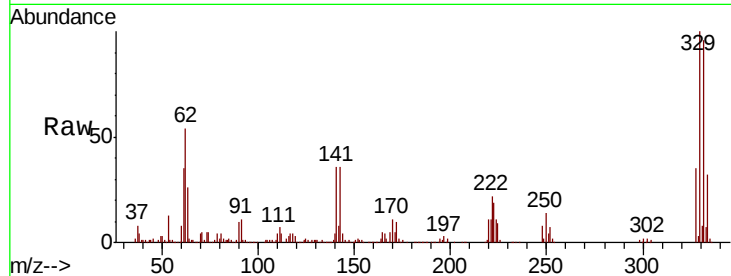
Tot Ion:330 Resp: 248100

Ion Ratio Lower Upper

330 100

332 96.7 78.4 117.6

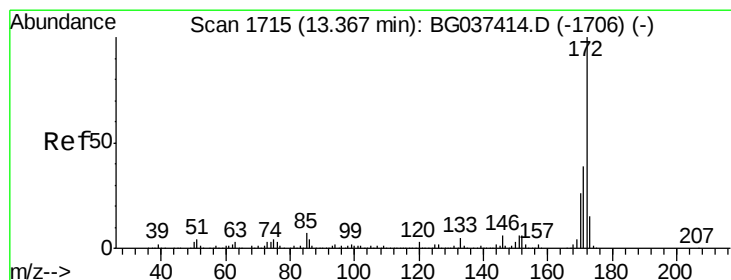
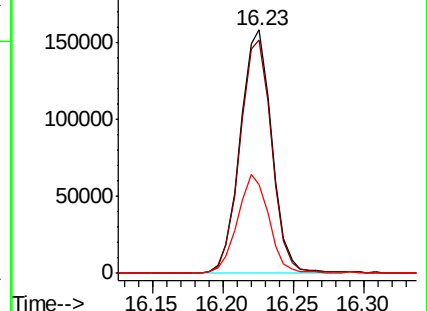
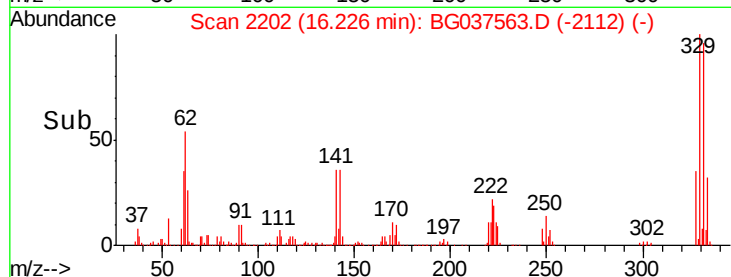
141 40.3 32.2 48.2



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: 83.363 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037563.D

Acq: 26 Oct 2018 3:28

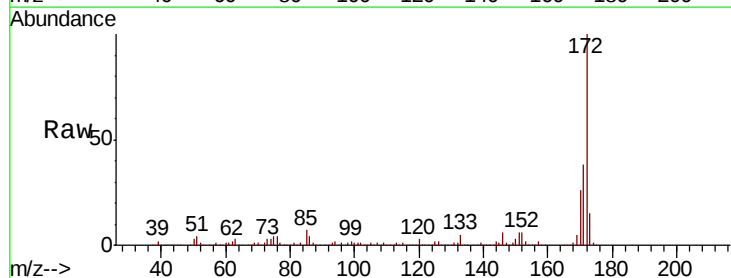
Tgt Ion:172 Resp: 983008

Ion Ratio Lower Upper

172 100

171 38.1 31.0 46.4

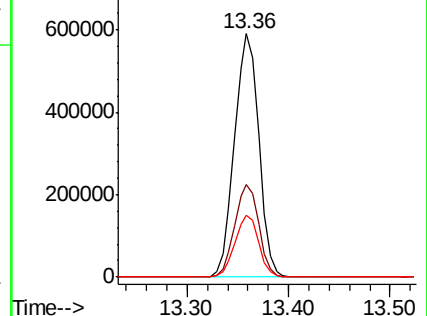
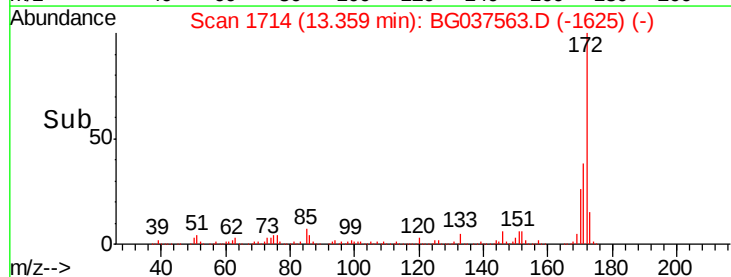
170 25.5 20.2 30.2

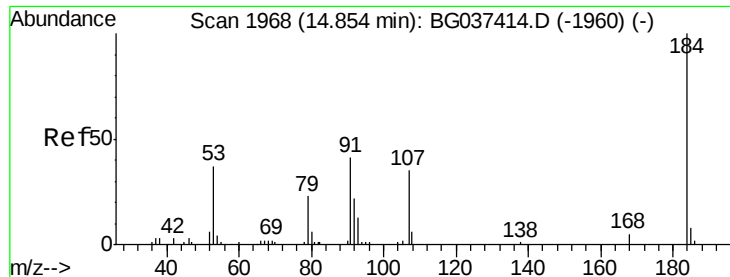


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

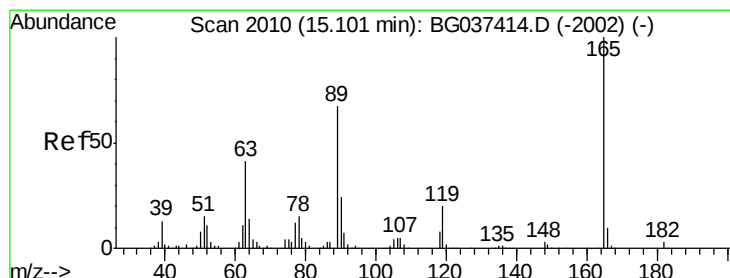
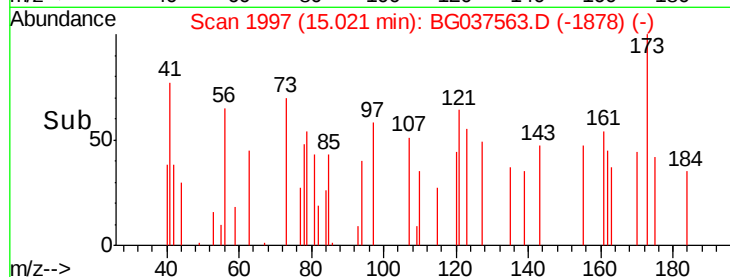
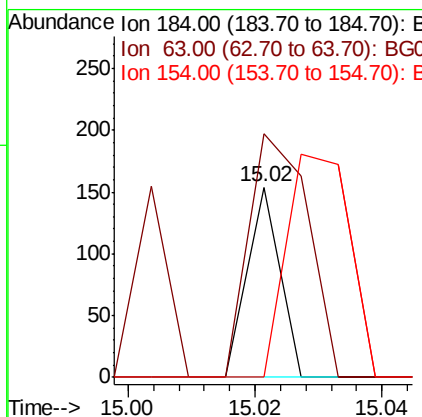
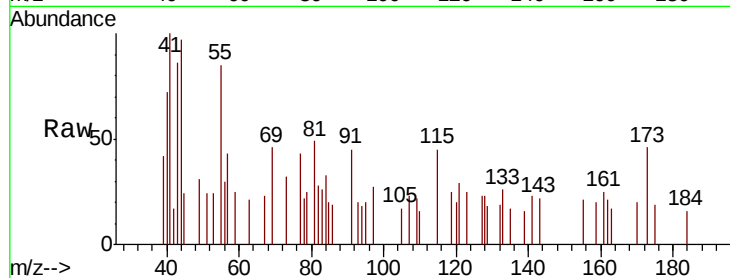




#54
 2,4-Dinitrophenol
 Concen: 6.182 ng
 RT: 15.02 min Scan# 1997
 Delta R.T. 0.17 min
 Lab File: BG037563.D
 Acq: 26 Oct 2018 3:28

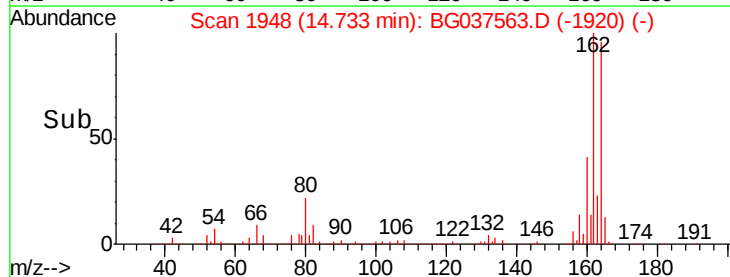
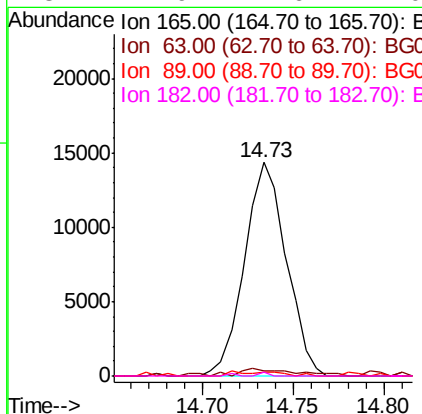
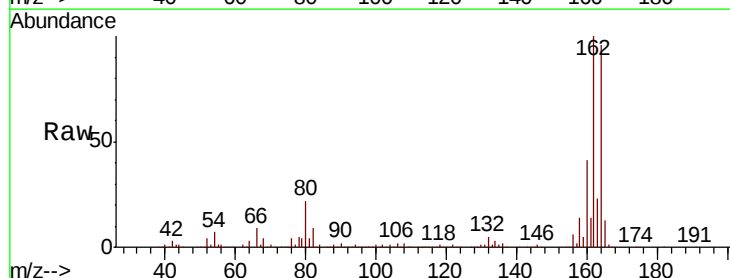
Instrument :
 BNA_G
 ClientSampled :

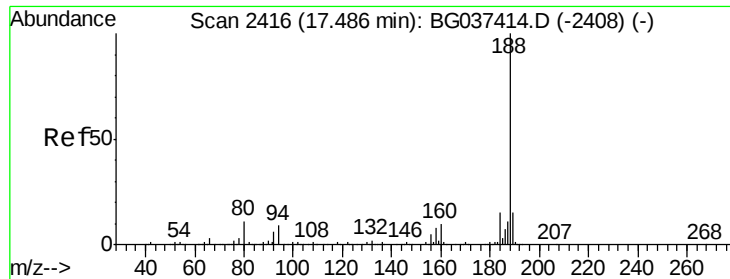
Tot Ion:184 Resp: 54
 Ion Ratio Lower Upper
 184 100
 63 127.9 42.6 63.8#
 154 0.0 41.8 62.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.741 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037563.D
 Acq: 26 Oct 2018 3:28

Tgt Ion:165 Resp: 22932
 Ion Ratio Lower Upper
 165 100
 63 2.4 33.4 50.0#
 89 1.7 57.2 85.8#
 182 1.9 2.6 4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037563.D

Acq: 26 Oct 2018 3:28

Instrument :

BNA_G

ClientSampleId :

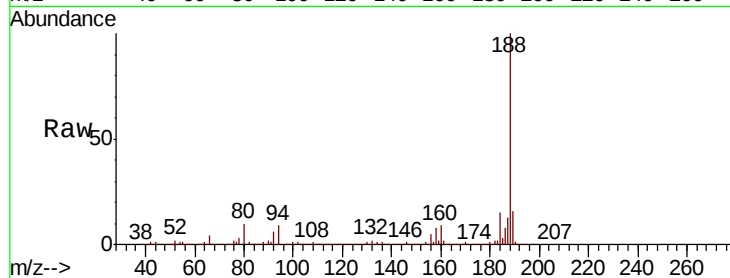
Tot Ion:188 Resp: 393450

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

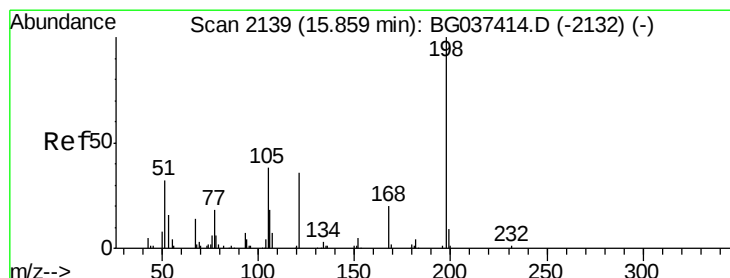
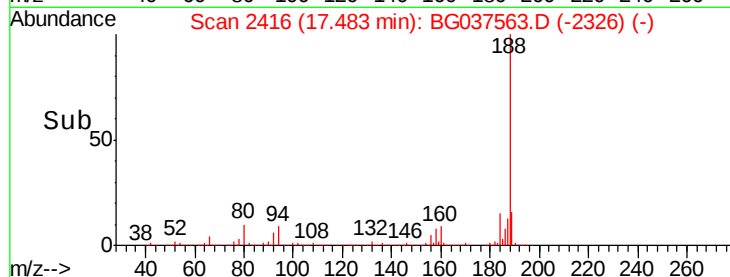
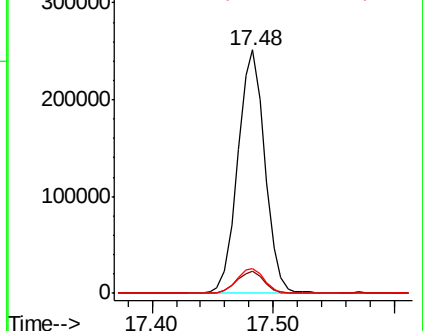
80 10.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.893 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037563.D

Acq: 26 Oct 2018 3:28

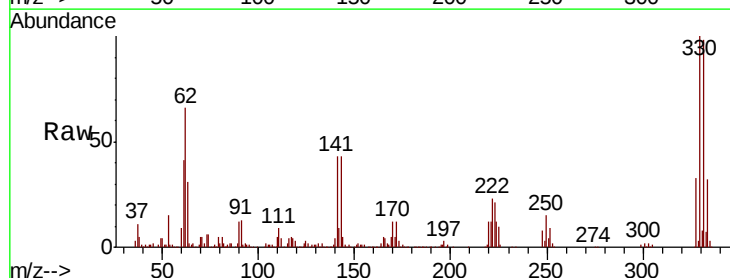
Tgt Ion:198 Resp: 968

Ion Ratio Lower Upper

198 100

51 38.7 22.7 62.7

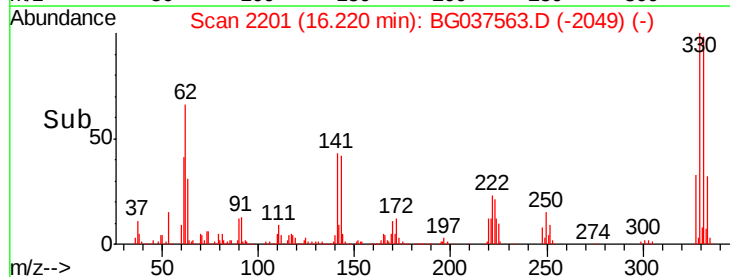
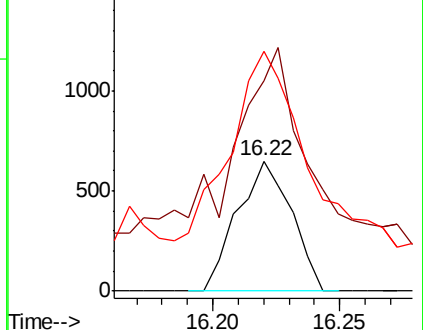
105 44.2 19.7 59.7

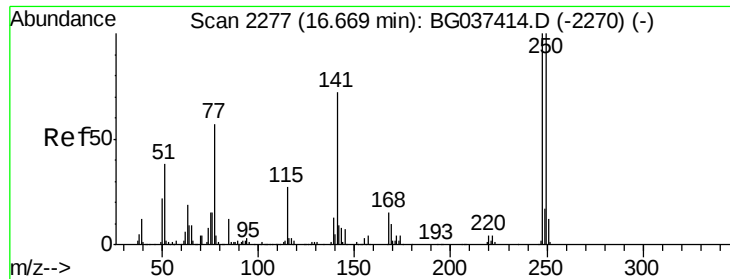


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

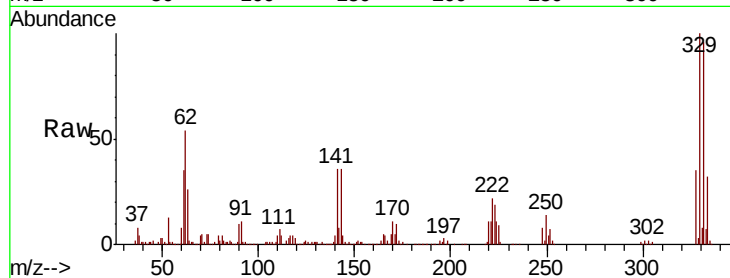




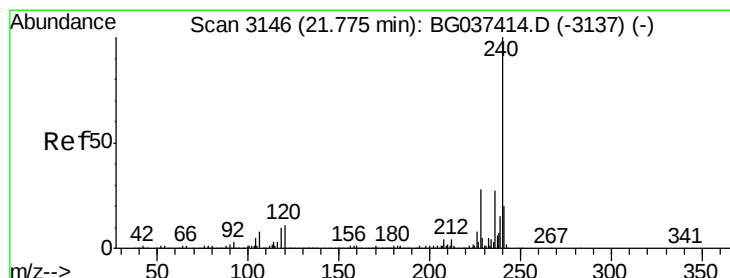
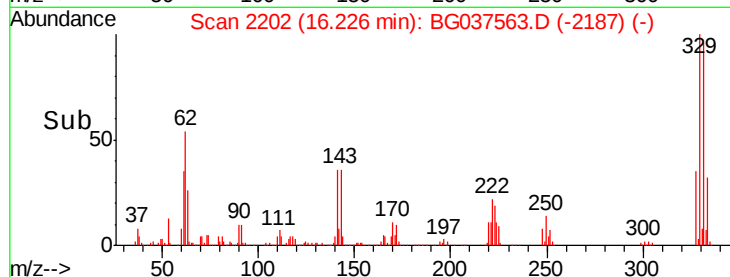
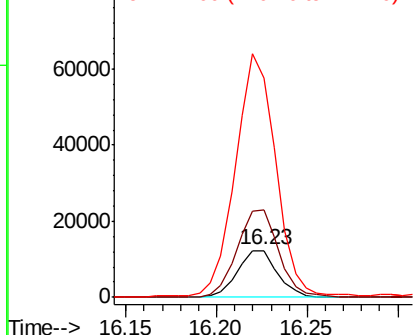
#67
4-Bromophenyl-phenylether
Concen: 4.369 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.44 min
Lab File: BG037563.D
Acq: 26 Oct 2018 3:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 18876
Ion Ratio Lower Upper
248 100
250 188.0 77.0 115.6#
141 371.5 55.5 83.3#

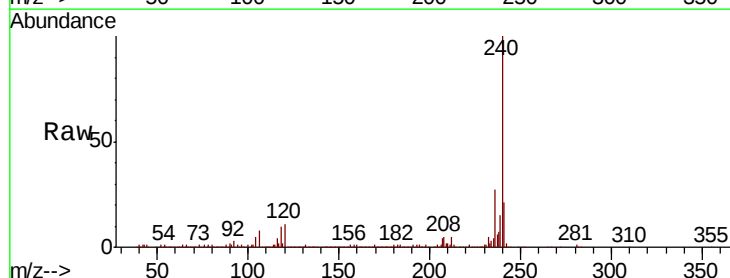


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

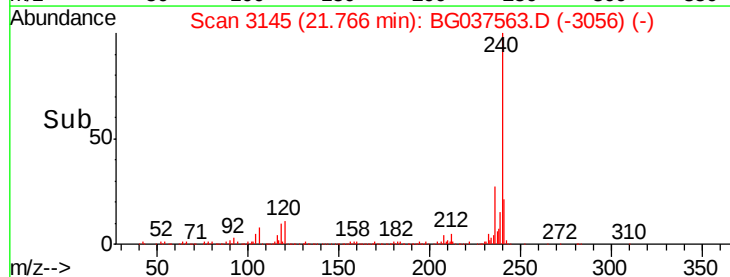
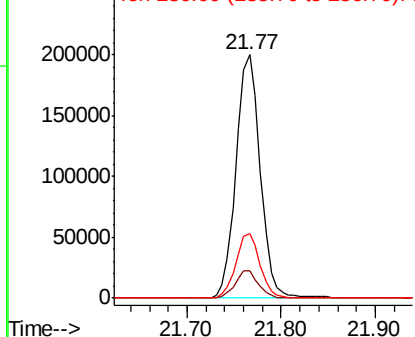


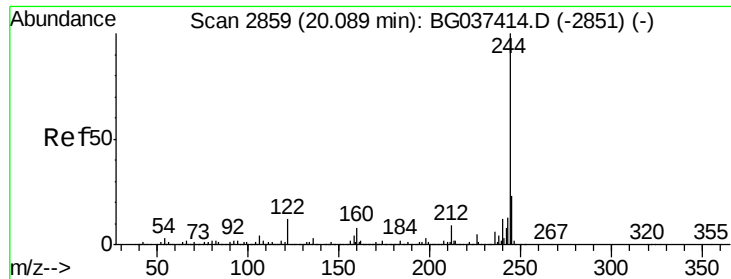
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037563.D
Acq: 26 Oct 2018 3:28

Tgt Ion:240 Resp: 358228
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 26.7 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: 77.828 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037563.D

Acq: 26 Oct 2018 3:28

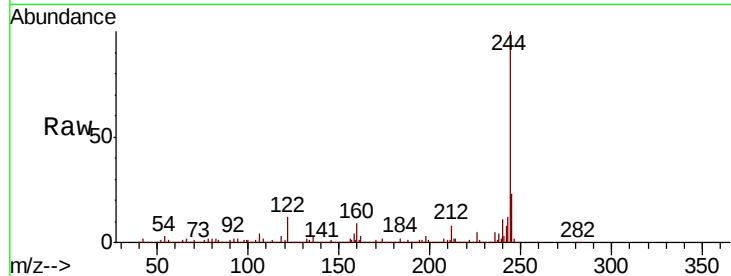
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1304789

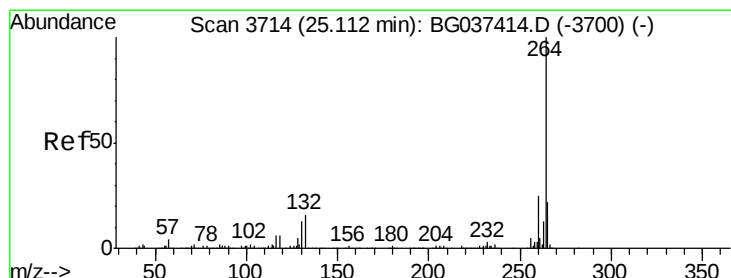
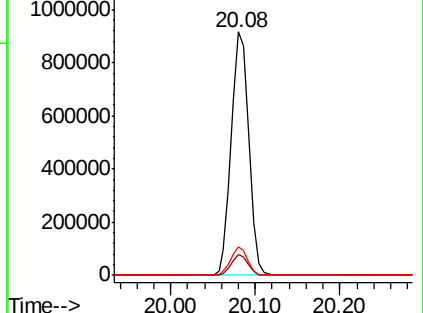
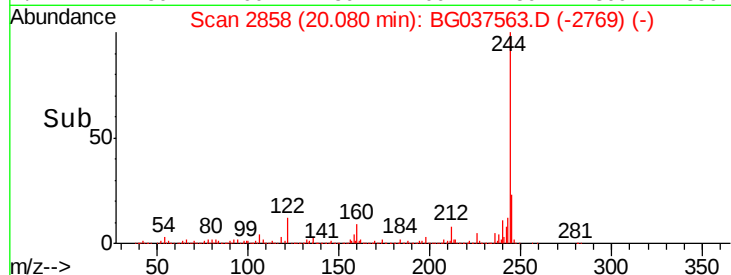
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.7	9.0	13.4



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

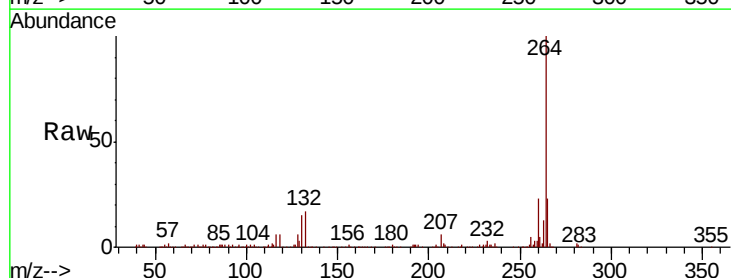
Delta R.T. -0.01 min

Lab File: BG037563.D

Acq: 26 Oct 2018 3:28

Tgt Ion:264 Resp: 366887

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	22.8	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

