

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102418\
 Data File : BG037514.D
 Acq On : 24 Oct 2018 16:49
 Operator : JU/SJ
 Sample : J5636-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 25 07:59:17 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

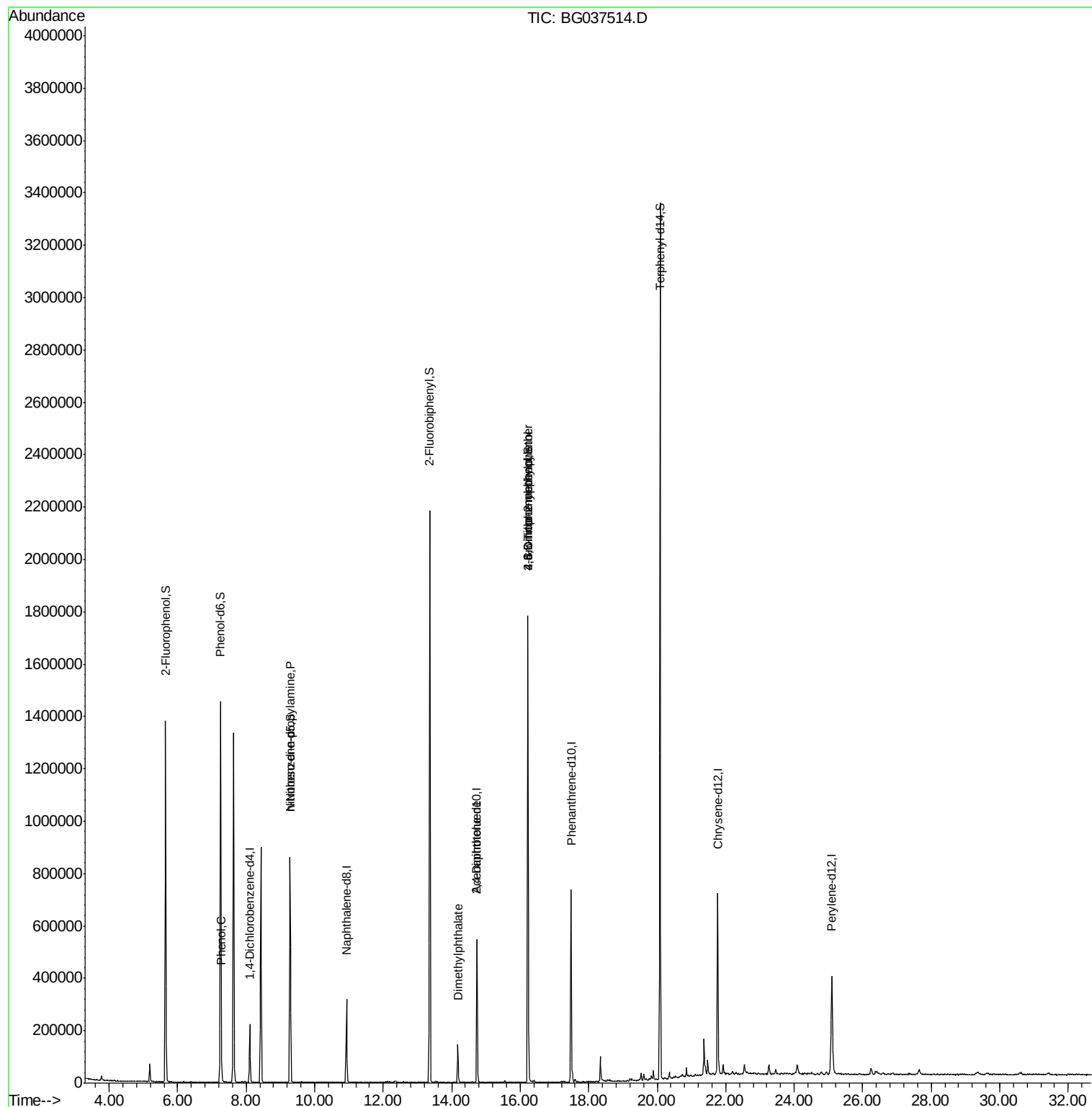
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	66013	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	288608	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	193651	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	461884	20.00	ng	0.00
76) Chrysene-d12	21.77	240	414176	20.00	ng	0.00
87) Perylene-d12	25.10	264	425217	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	617015	156.27	ng	0.00
7) Phenol-d6	7.25	99	911238	152.62	ng	0.00
23) Nitrobenzene-d5	9.28	82	532187	103.30	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	332646	157.49	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1143957	89.08	ng	0.00
79) Terphenyl-d14	20.08	244	1557995	80.38	ng	0.00
Target Compounds						
10) Phenol	7.28	94	47369	7.519	ng	98
19) n-Nitroso-di-n-propylamine	9.28	70	68757	16.723	ng	# 70
50) Dimethylphthalate	14.18	163	104882	7.001	ng	98
57) 2,4-Dinitrotoluene	14.74	165	25264	5.807	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	1012	8.851	ng	80
67) 4-Bromophenyl-phenylether	16.23	248	24482	4.827	ng	# 1

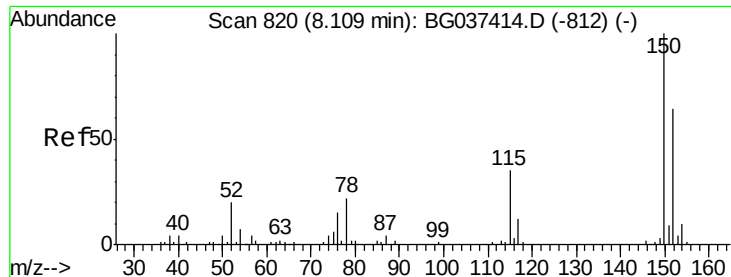
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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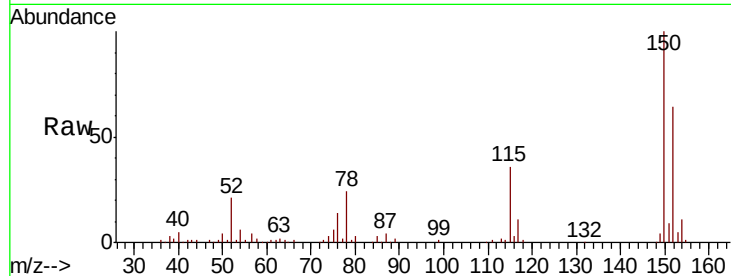


#1

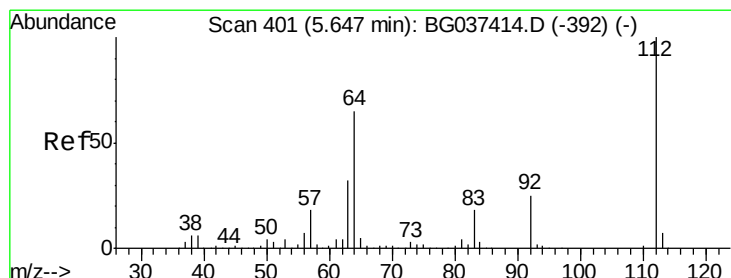
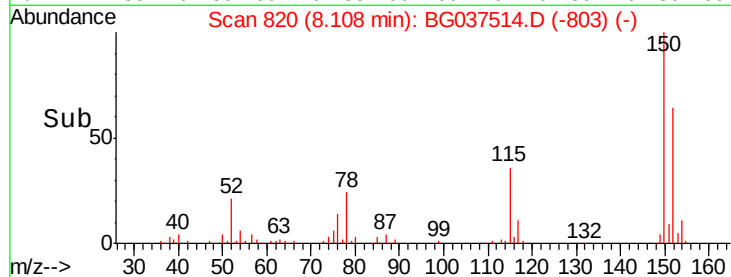
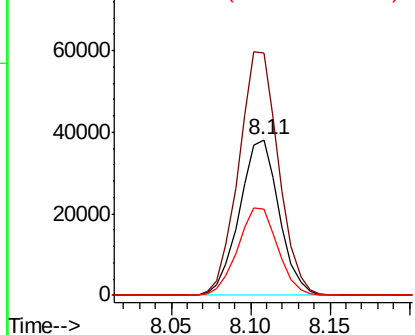
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037514.D
Acq: 24 Oct 2018 16:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 66013
Ion Ratio Lower Upper
152 100
150 155.2 126.0 189.0
115 55.6 45.5 68.3



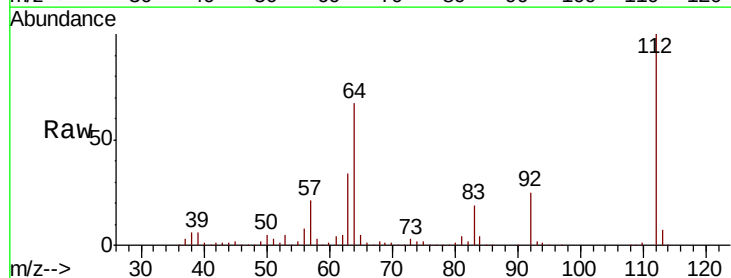
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



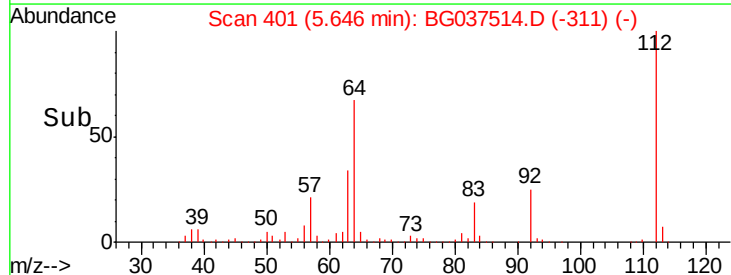
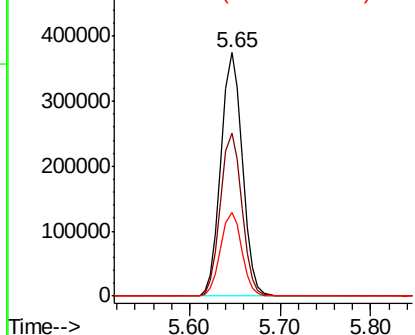
#5

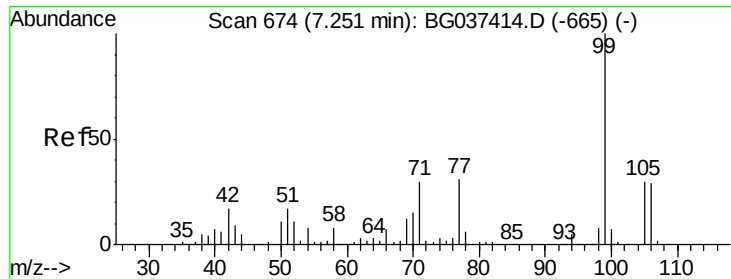
2-Fluorophenol
Concen: 156.266 ng
RT: 5.65 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037514.D
Acq: 24 Oct 2018 16:49

Tgt Ion:112 Resp: 617015
Ion Ratio Lower Upper
112 100
64 66.7 53.1 79.7
63 34.1 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: 152.620 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037514.D

Acq: 24 Oct 2018 16:49

Instrument :

BNA_G

ClientSampleId :

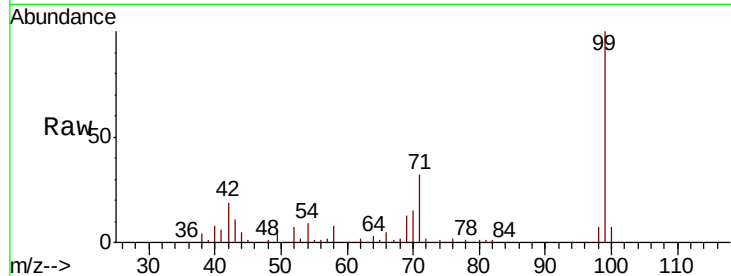
Tot Ion: 99 Resp: 911238

Ion Ratio Lower Upper

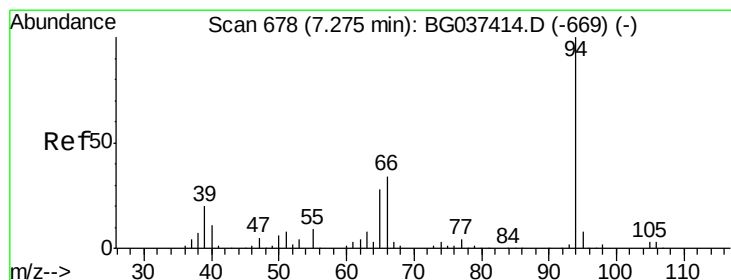
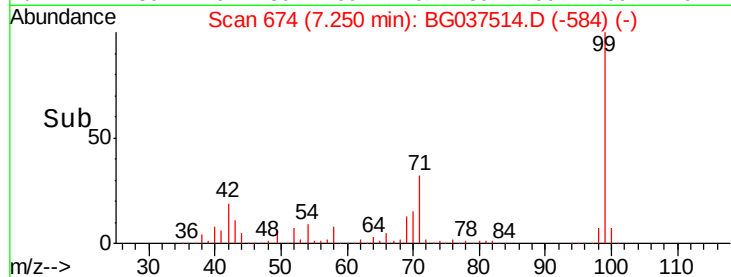
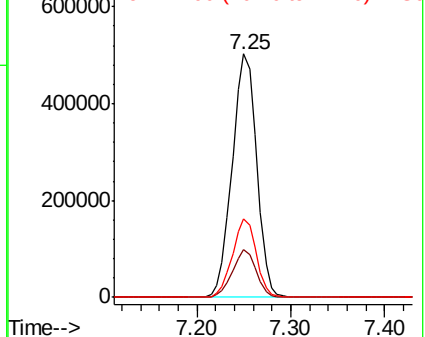
99 100

42 19.4 15.0 22.4

71 32.2 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



#10

Phenol

Concen: 7.519 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037514.D

Acq: 24 Oct 2018 16:49

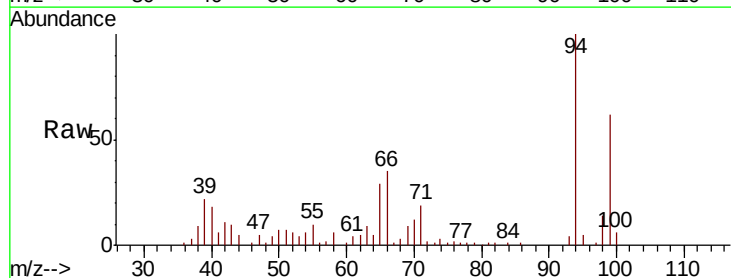
Tgt Ion: 94 Resp: 47369

Ion Ratio Lower Upper

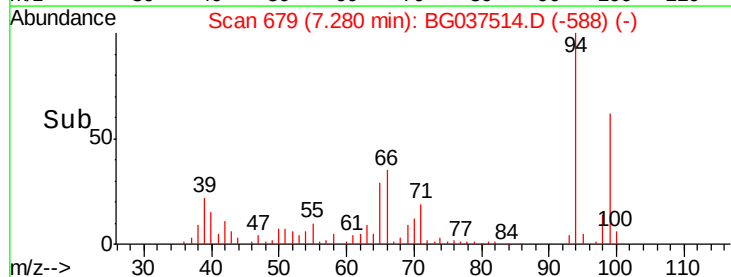
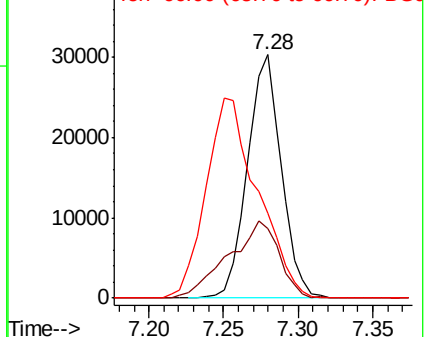
94 100

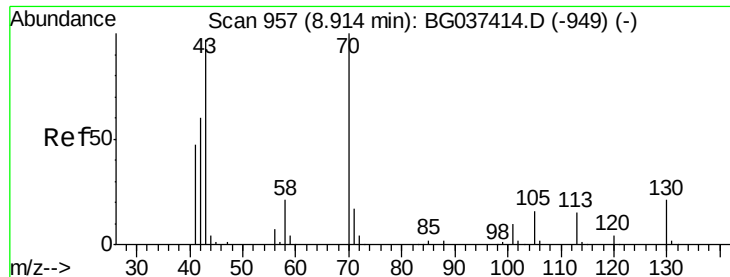
65 28.8 9.7 49.7

66 34.9 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: 16.723 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037514.D

Acq: 24 Oct 2018 16:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 68757

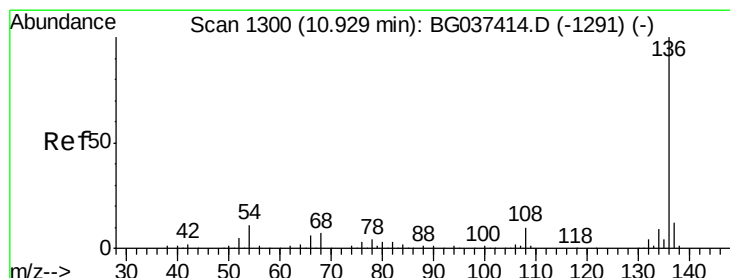
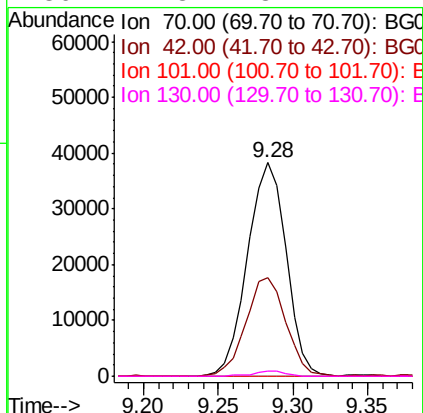
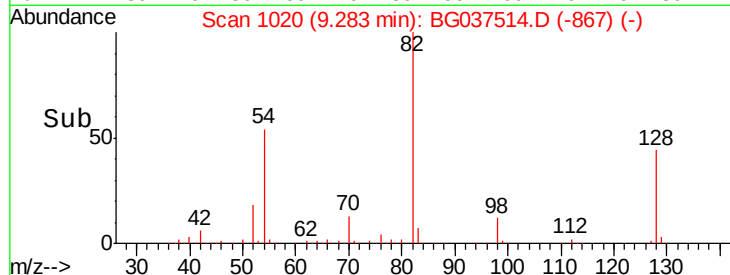
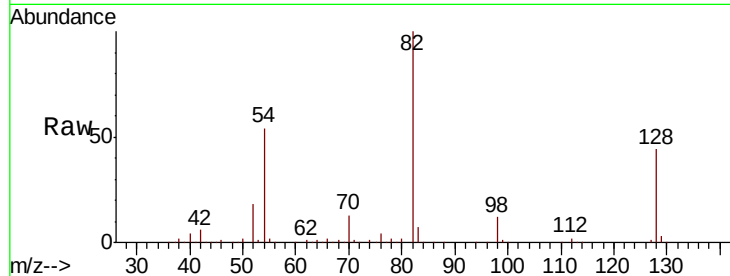
Ion Ratio Lower Upper

70 100

42 45.9 53.9 80.9#

101 0.0 8.2 12.2#

130 2.3 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG037514.D

Acq: 24 Oct 2018 16:49

Tgt Ion: 136 Resp: 288608

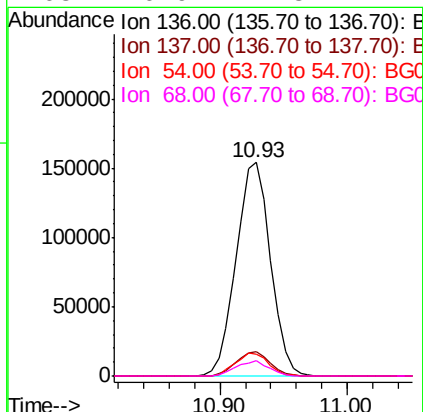
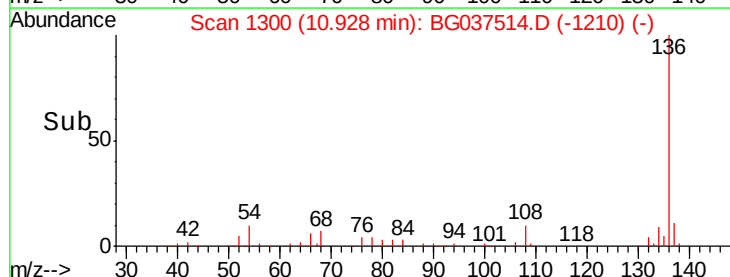
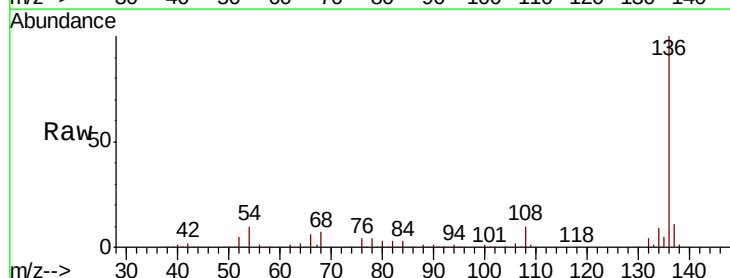
Ion Ratio Lower Upper

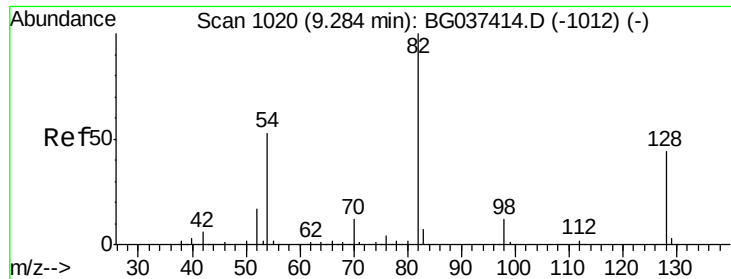
136 100

137 11.5 9.6 14.4

54 10.0 7.9 11.9

68 6.9 4.8 7.2

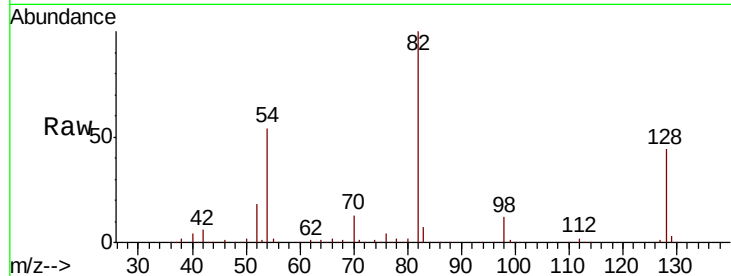




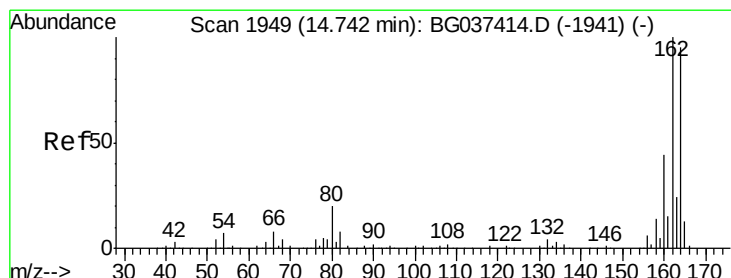
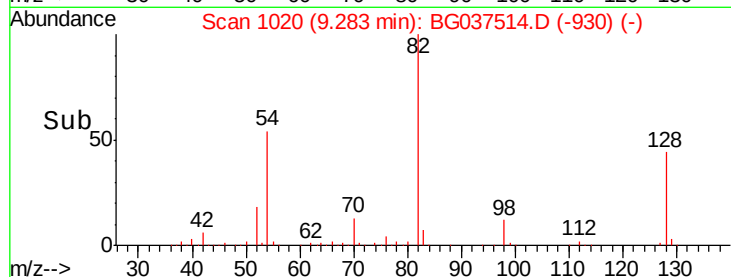
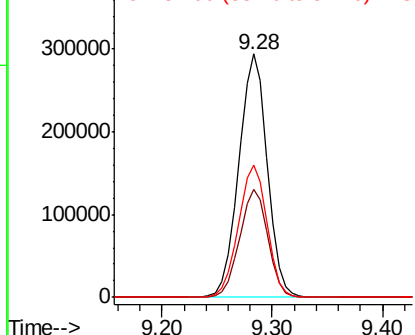
#23
Nitrobenzene-d5
Concen: 103.298 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037514.D
Acq: 24 Oct 2018 16:49

Instrument :
BNA_G
ClientSampled :

Tot Ion	82.00	Resp	532187
Ion Ratio	Lower	Upper	
82	100		
128	44.4	34.6	51.8
54	54.4	45.3	67.9

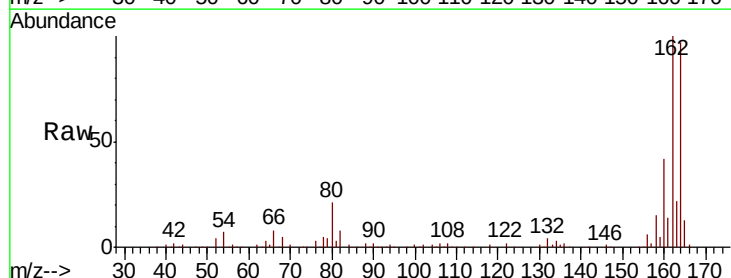


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

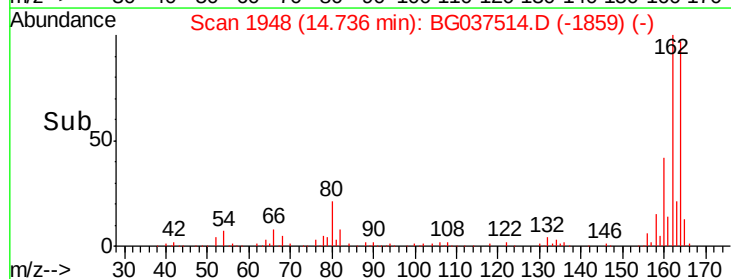
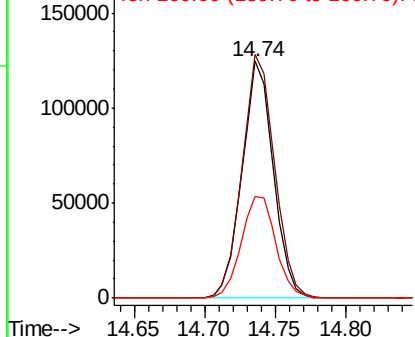


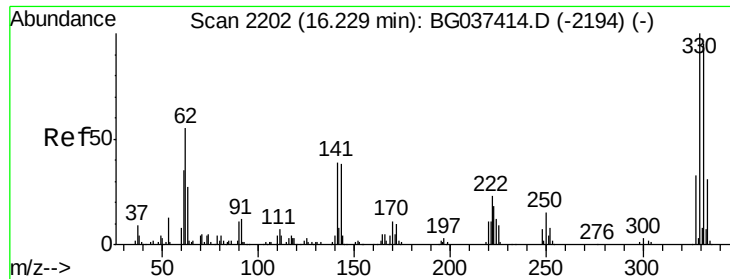
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037514.D
Acq: 24 Oct 2018 16:49

Tgt Ion	164.00	Resp	193651
Ion Ratio	Lower	Upper	
164	100		
162	102.7	81.3	121.9
160	42.7	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

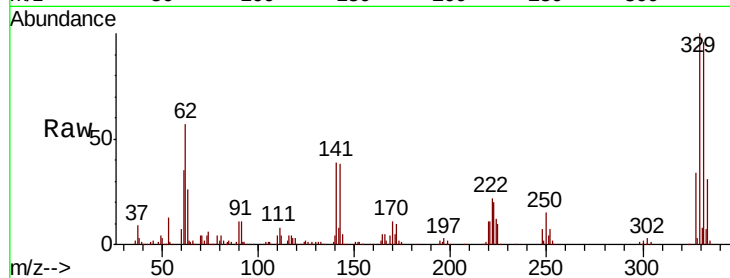




#42
 2,4,6-Tribromophenol
 Concen: 157.493 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037514.D
 Acq: 24 Oct 2018 16:49

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	78.4	117.6
141	40.6	32.2	48.2

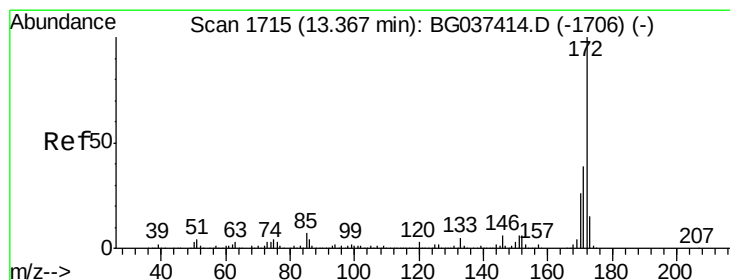
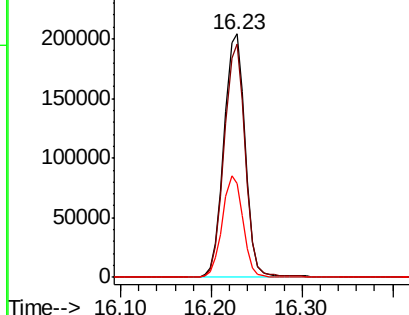
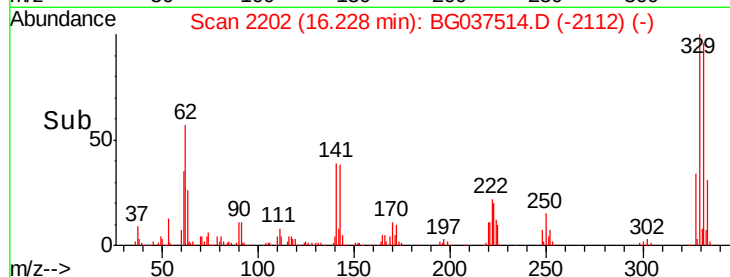


Abundance

Ion 329.80 (329.50 to 330.50): E

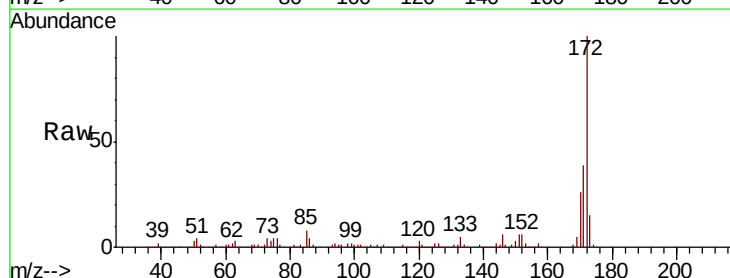
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.079 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037514.D
 Acq: 24 Oct 2018 16:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.0	46.4
170	26.4	20.2	30.2

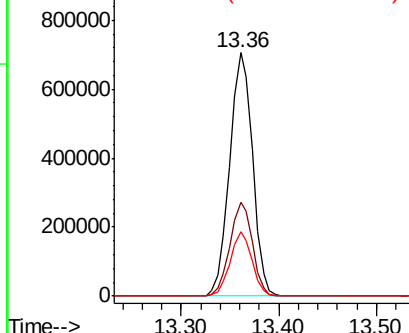
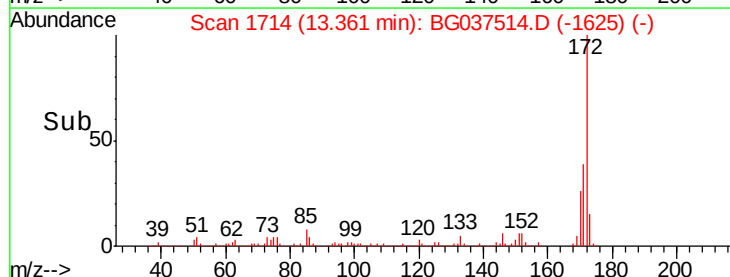


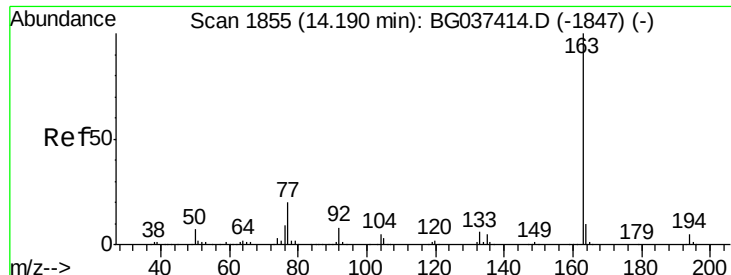
Abundance

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

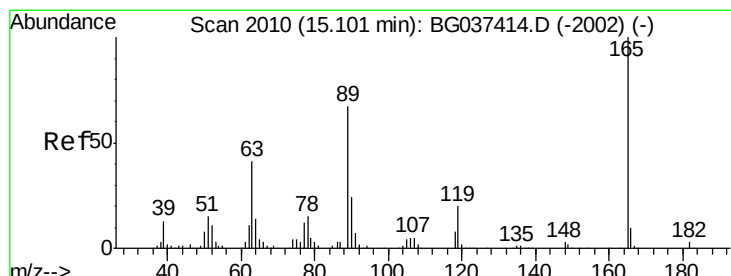
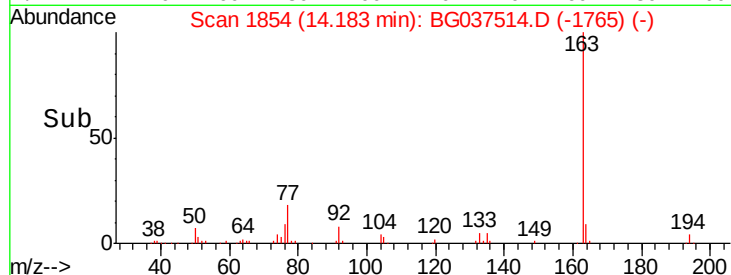
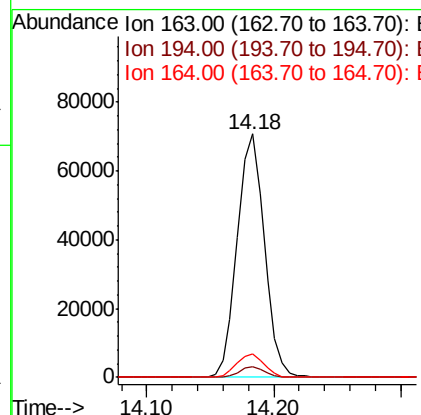
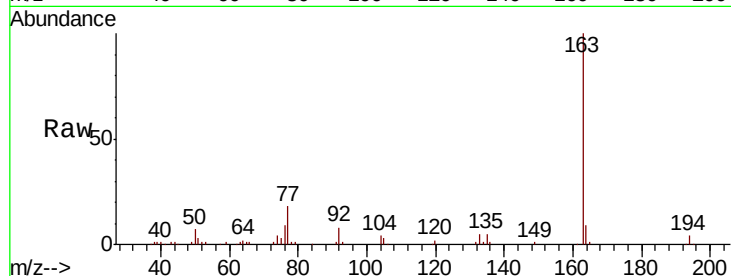




#50
 Dimethylphthalate
 Concen: 7.001 ng
 RT: 14.18 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BG037514.D
 Acq: 24 Oct 2018 16:49

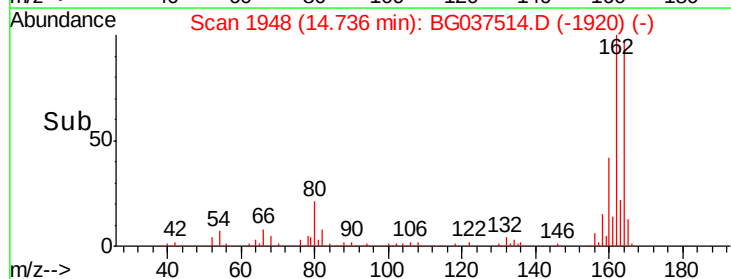
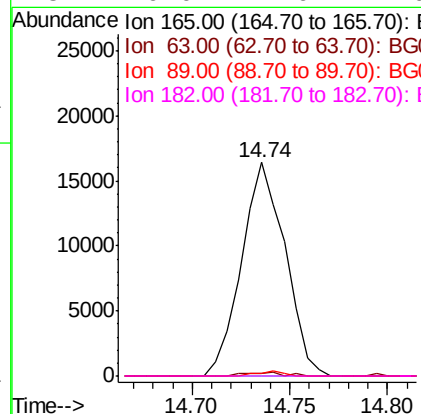
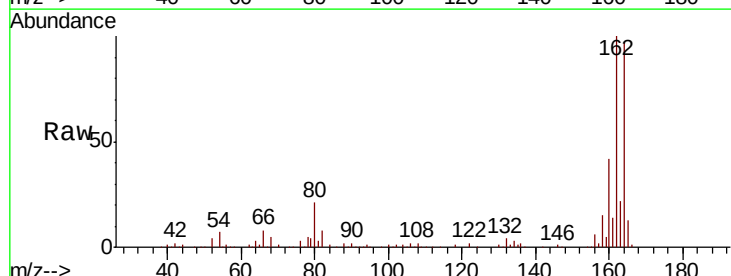
Instrument :
 BNA_G
 ClientSampleId :

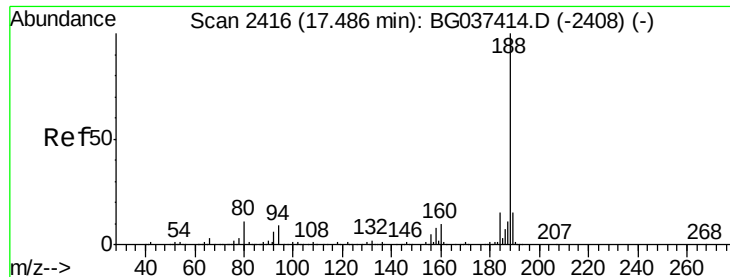
Tot Ion:163	Resp:	104882
Ion Ratio	Lower	Upper
163	100	
194	4.5	3.5 5.3
164	9.4	8.5 12.7



#57
 2,4-Dinitrotoluene
 Concen: 5.807 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037514.D
 Acq: 24 Oct 2018 16:49

Tgt Ion:165	Resp:	25264
Ion Ratio	Lower	Upper
165	100	
63	1.3	33.4 50.0#
89	1.1	57.2 85.8#
182	0.0	2.6 4.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037514.D

Acq: 24 Oct 2018 16:49

Instrument :

BNA_G

ClientSampleId :

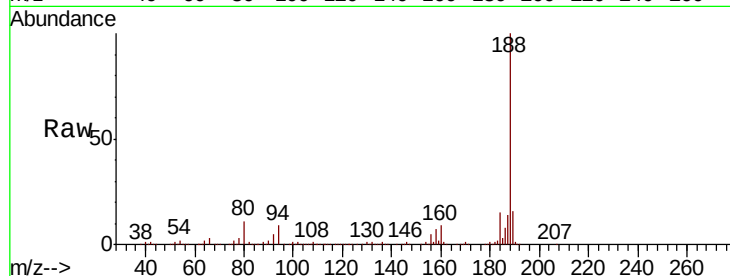
Tot Ion:188 Resp: 461884

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

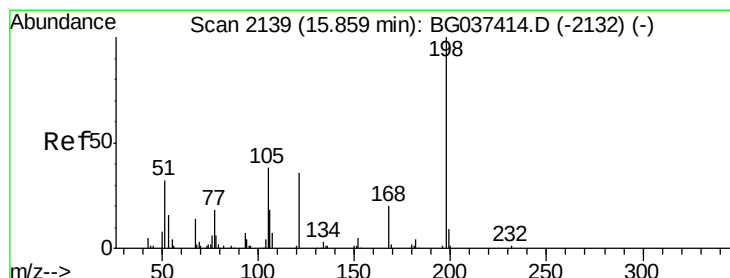
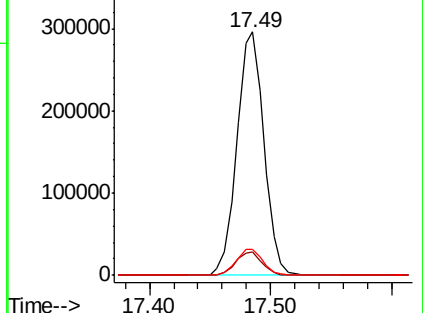
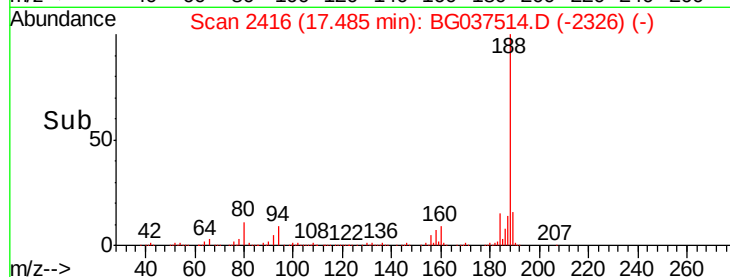
80 10.5 7.7 11.5



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: 8.851 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037514.D

Acq: 24 Oct 2018 16:49

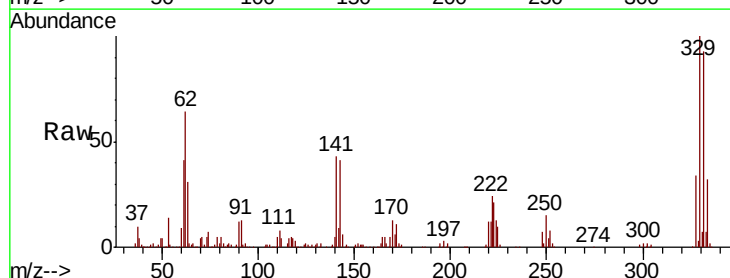
Tgt Ion:198 Resp: 1012

Ion Ratio Lower Upper

198 100

51 24.0 22.7 62.7

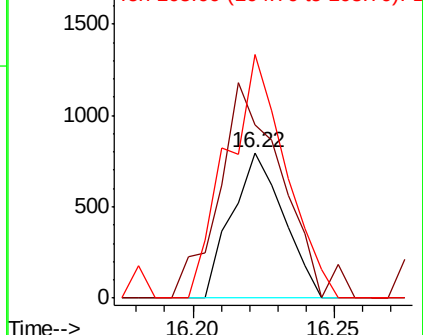
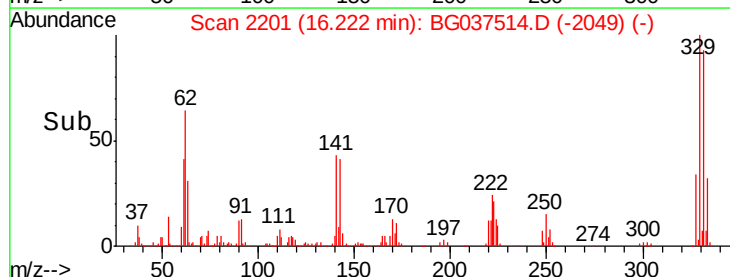
105 33.9 19.7 59.7

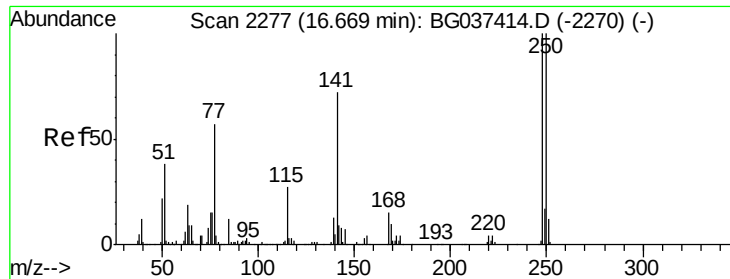


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.827 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.44 min

Lab File: BG037514.D

Acq: 24 Oct 2018 16:49

Instrument :

BNA_G

ClientSampled :

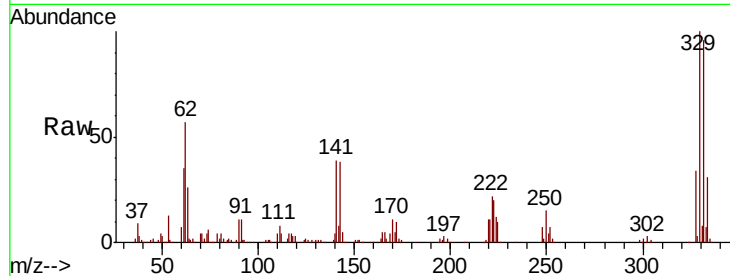
Tot Ion:248 Resp: 24482

Ion Ratio Lower Upper

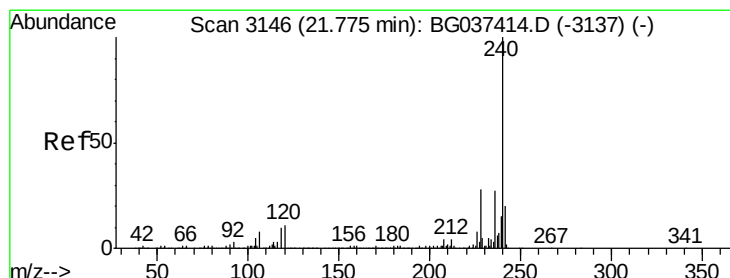
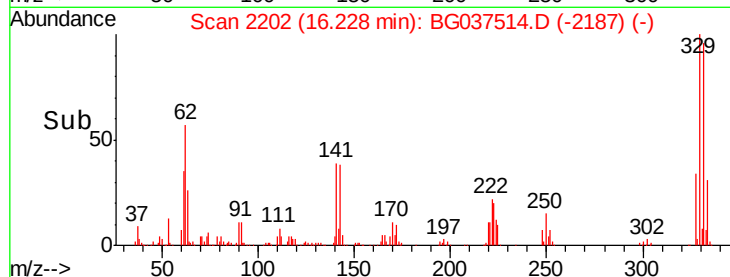
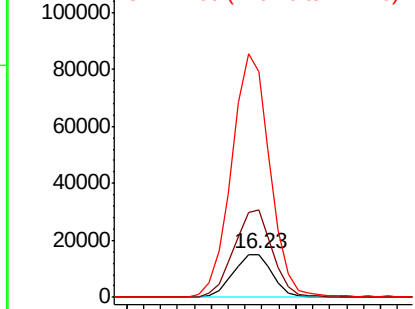
248 100

250 199.2 77.0 115.6#

141 402.4 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: BG037514.D

Acq: 24 Oct 2018 16:49

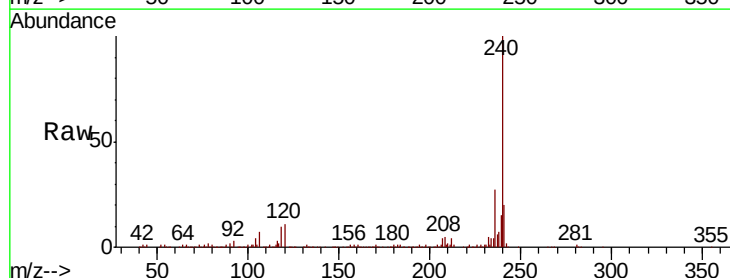
Tgt Ion:240 Resp: 414176

Ion Ratio Lower Upper

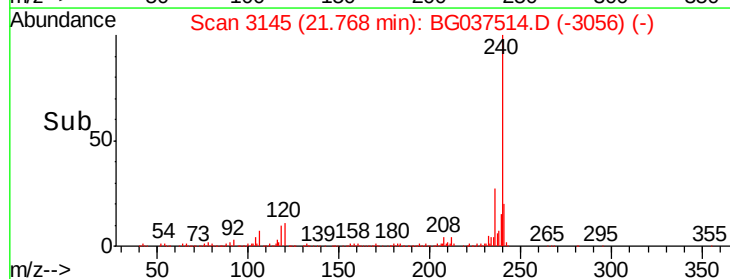
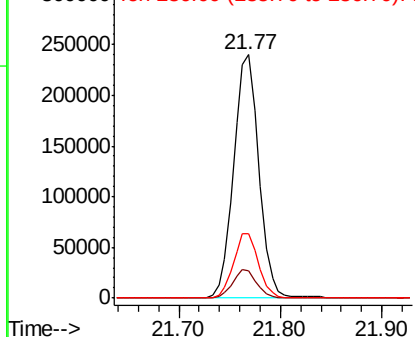
240 100

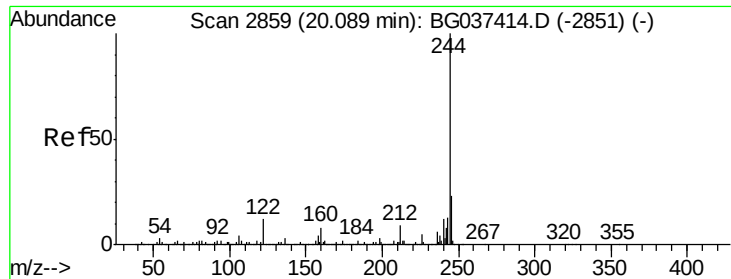
120 11.1 8.1 12.1

236 26.6 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: 80.378 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037514.D

Acq: 24 Oct 2018 16:49

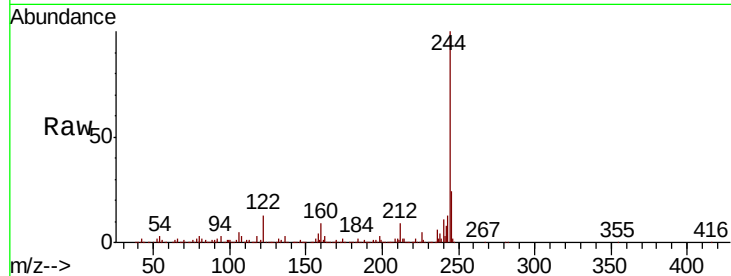
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1557995

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

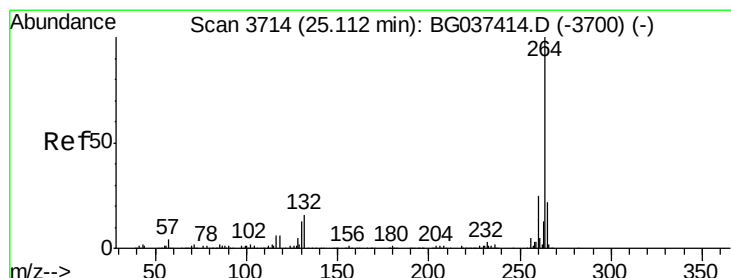
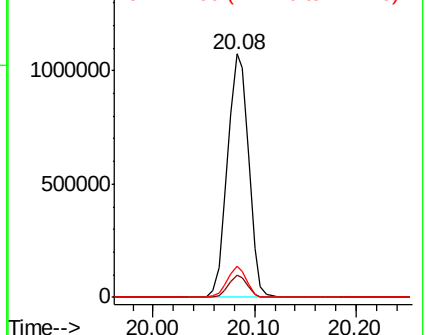
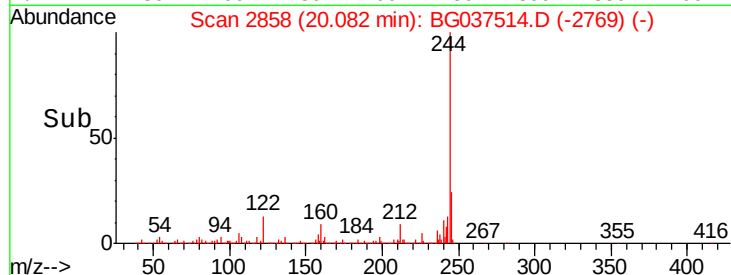


Abundance

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

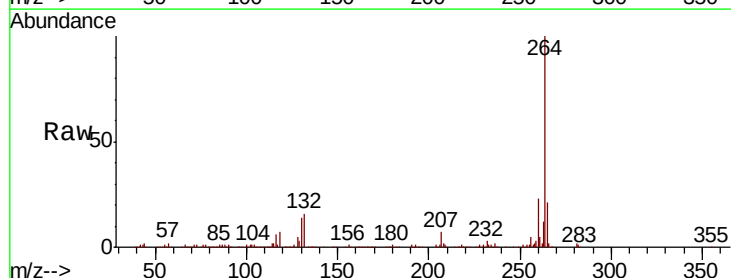
Delta R.T. -0.01 min

Lab File: BG037514.D

Acq: 24 Oct 2018 16:49

Tgt Ion:264 Resp: 425217

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	21.2	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

