

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\
 Data File : BG037548.D
 Acq On : 25 Oct 2018 16:59
 Operator : JU/SJ
 Sample : PB114142TB
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB114142TB

Quant Time: Oct 26 08:04:47 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

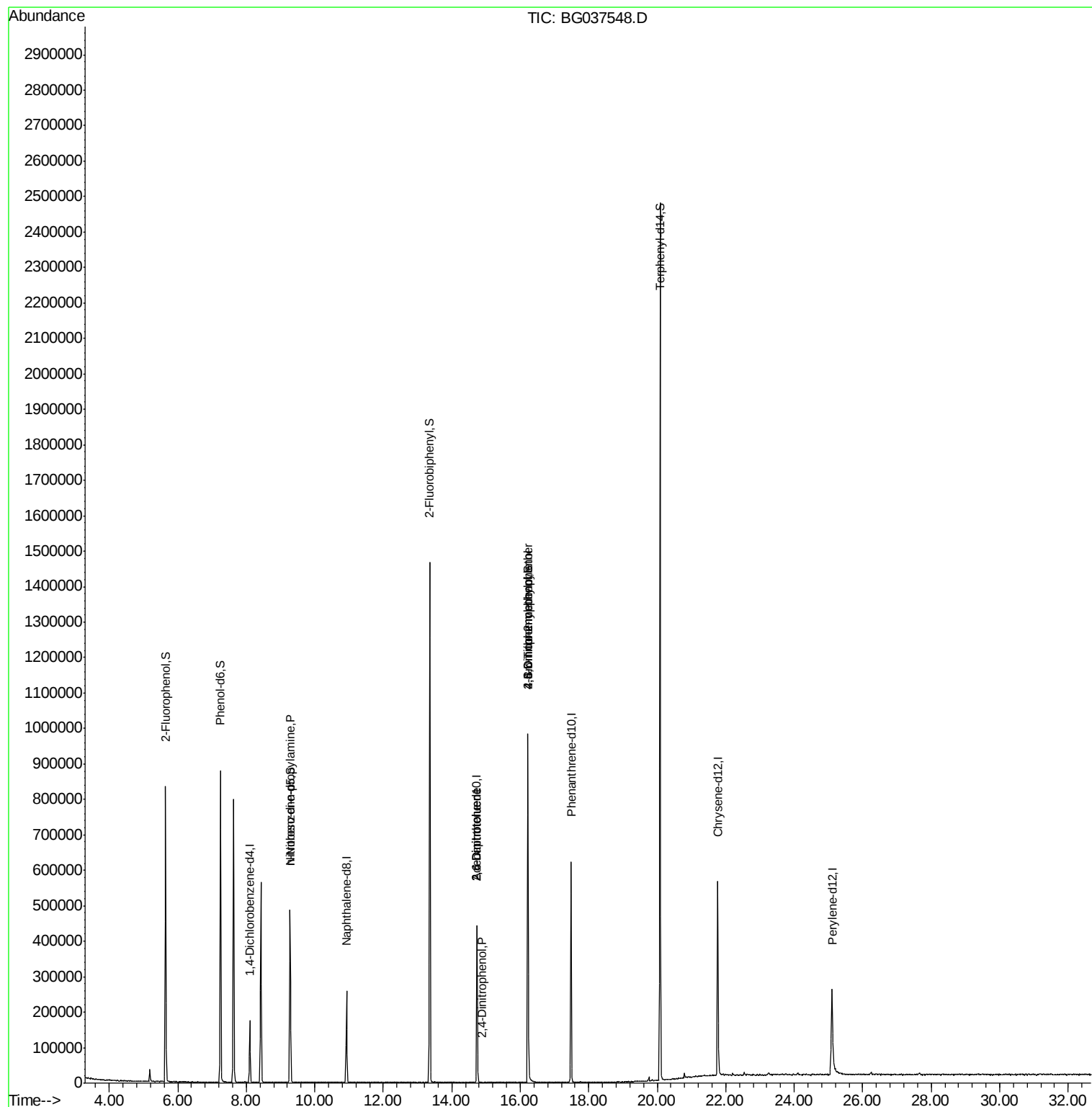
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	51845	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	228904	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	159267	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	388794	20.00	ng	0.00
76) Chrysene-d12	21.77	240	357049	20.00	ng	0.00
87) Perylene-d12	25.10	264	318376	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	372469	120.11	ng	0.00
7) Phenol-d6	7.25	99	545287	116.29	ng	0.00
23) Nitrobenzene-d5	9.28	82	311774	76.30	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	183723	105.76	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	776276	73.50	ng	0.00
79) Terphenyl-d14	20.08	244	1222978	73.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	38045	11.782	ng	# 71
51) 2,6-Dinitrotoluene	14.73	165	20567	7.546	ng	# 26
54) 2,4-Dinitrophenol	14.87	184	59	6.200	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	20567	5.748	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.23	198	224	8.598	ng	81
67) 4-Bromophenyl-phenylether	16.22	248	13121	3.073	ng	# 1

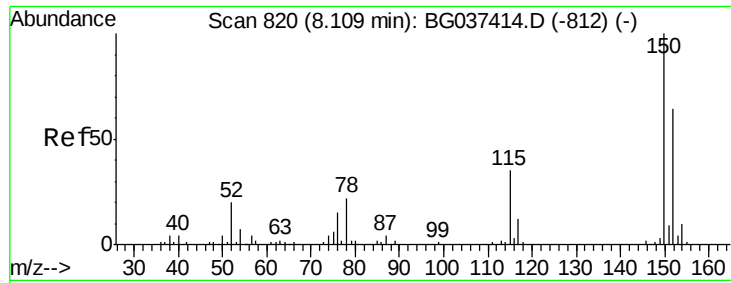
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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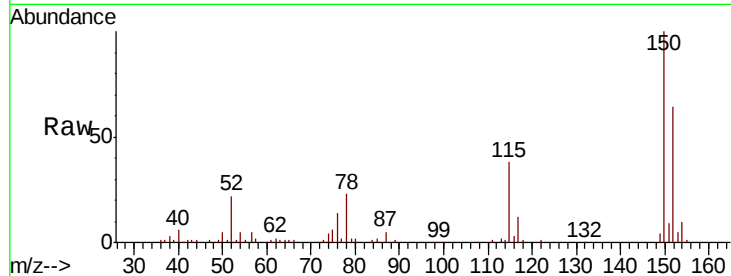


#1

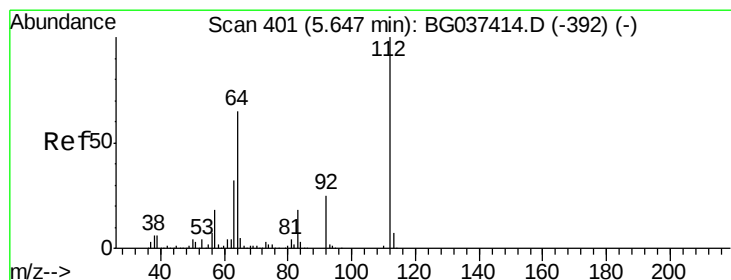
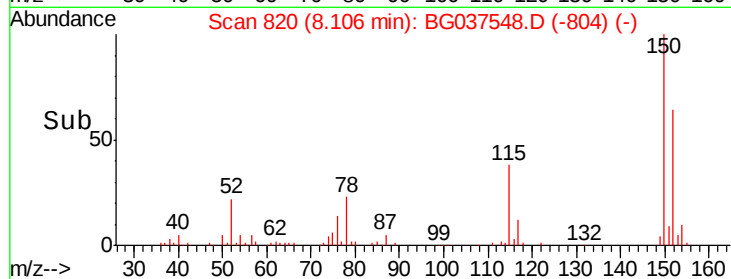
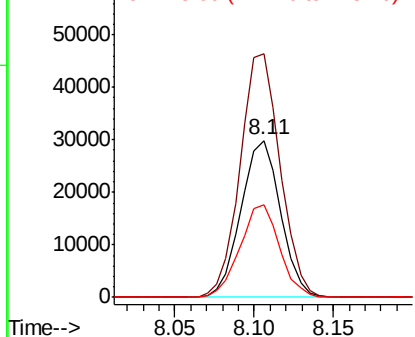
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037548.D
Acq: 25 Oct 2018 16:59

Instrument :
BNA_G
ClientSampleId :
PB114142TB

Tot Ion:152 Resp: 51845
Ion Ratio Lower Upper
152 100
150 155.1 126.0 189.0
115 59.2 45.5 68.3



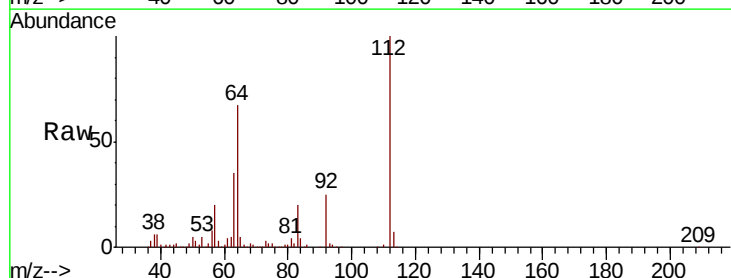
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



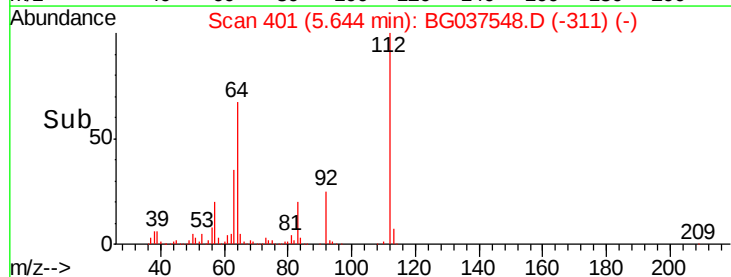
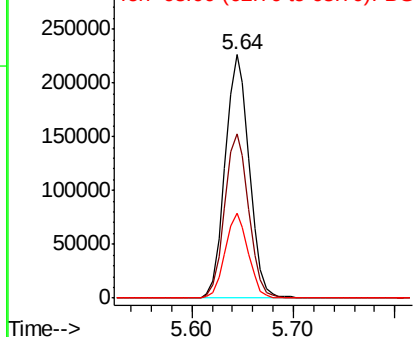
#5

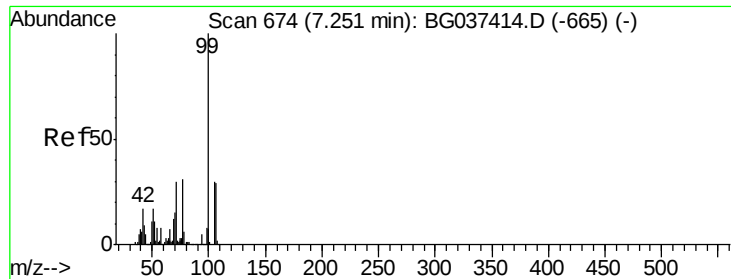
2-Fluorophenol
Concen: 120.111 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037548.D
Acq: 25 Oct 2018 16:59

Tgt Ion:112 Resp: 372469
Ion Ratio Lower Upper
112 100
64 67.3 53.1 79.7
63 35.0 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: 116.286 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037548.D

Acq: 25 Oct 2018 16:59

Instrument :

BNA_G

ClientSampleId :

PB114142TB

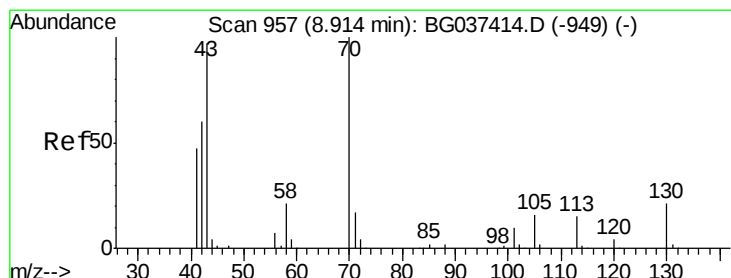
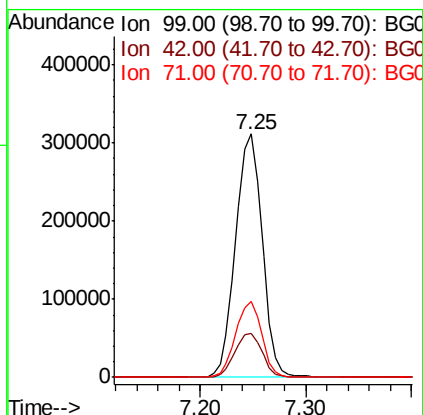
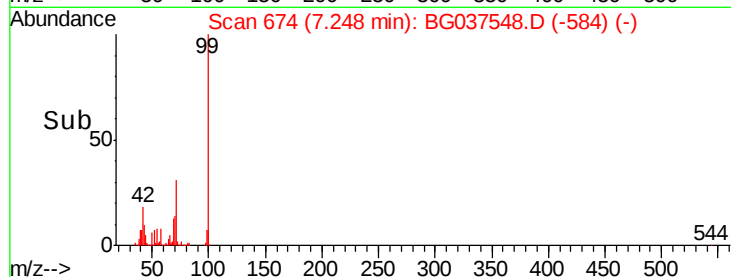
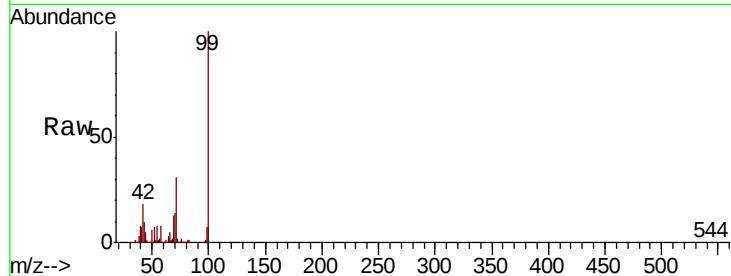
Tot Ion: 99 Resp: 545287

Ion Ratio Lower Upper

99 100

42 18.1 15.0 22.4

71 31.0 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.782 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037548.D

Acq: 25 Oct 2018 16:59

Tgt Ion: 70 Resp: 38045

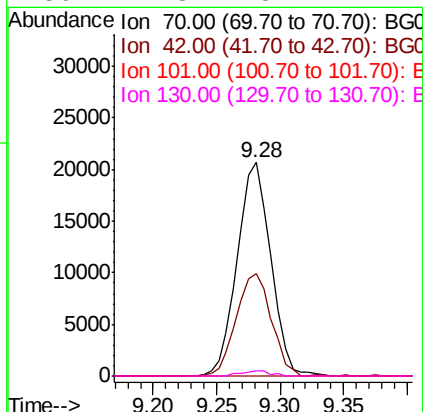
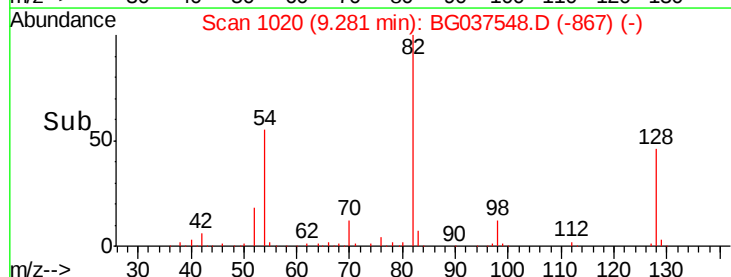
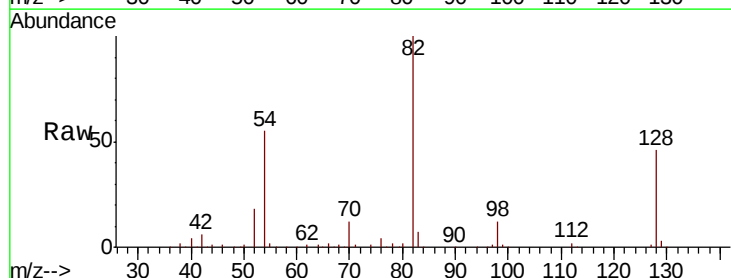
Ion Ratio Lower Upper

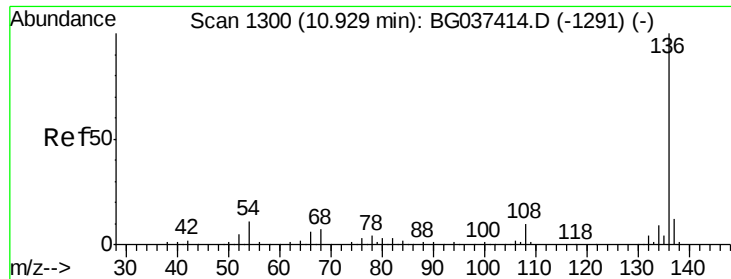
70 100

42 48.1 53.9 80.9#

101 0.0 8.2 12.2#

130 2.3 18.2 27.4#

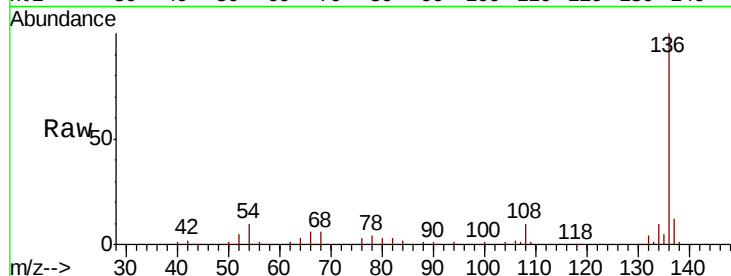




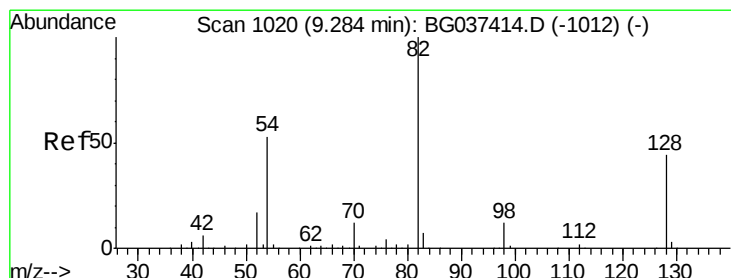
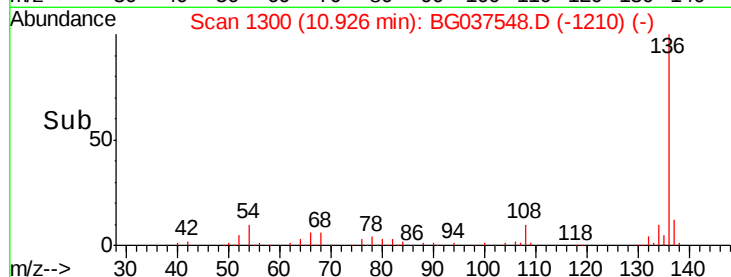
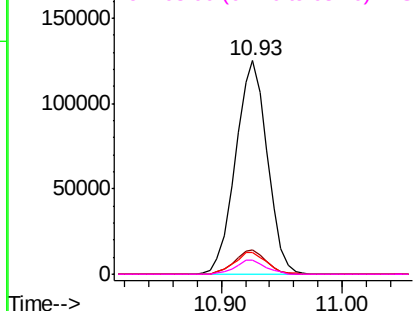
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037548.D
Acq: 25 Oct 2018 16:59

Instrument :
BNA_G
ClientSampleId :
PB114142TB

Tot Ion:136	Resp:	228904
Ion	Ratio	Lower Upper
136	100	
137	11.6	9.6 14.4
54	10.4	7.9 11.9
68	6.5	4.8 7.2

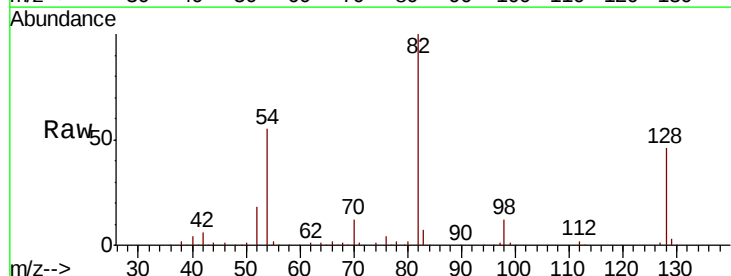


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

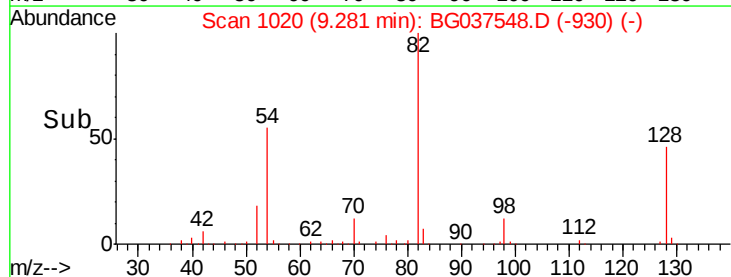
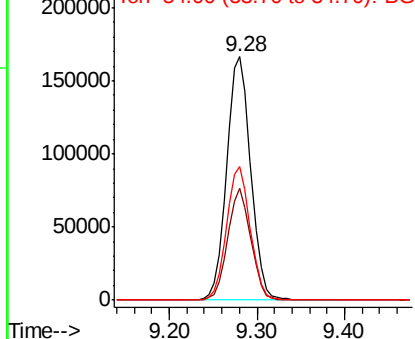


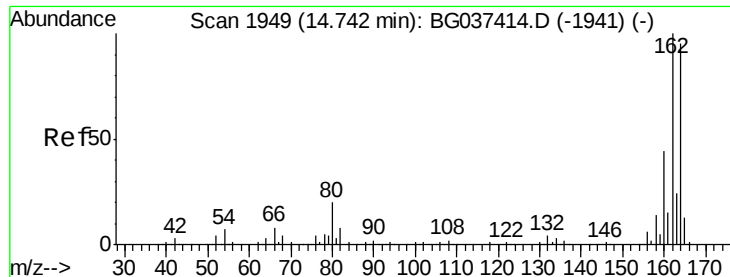
#23
Nitrobenzene-d5
Concen: 76.299 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037548.D
Acq: 25 Oct 2018 16:59

Tgt Ion: 82	Resp:	311774
Ion	Ratio	Lower Upper
82	100	
128	45.8	34.6 51.8
54	55.1	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: BG037548.D

Acq: 25 Oct 2018 16:59

Instrument :

BNA_G

ClientSampleId :

PB114142TB

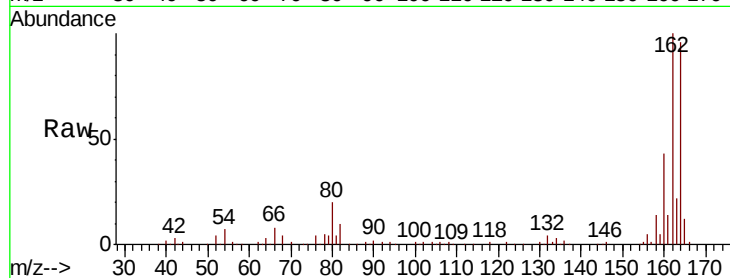
Tot Ion:164 Resp: 159267

Ion Ratio Lower Upper

164 100

162 103.8 81.3 121.9

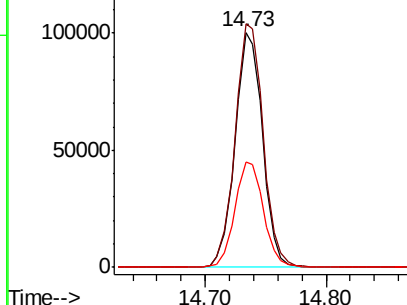
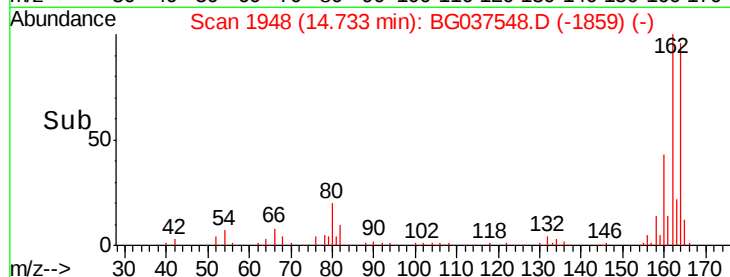
160 44.7 36.3 54.5



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: 105.764 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037548.D

Acq: 25 Oct 2018 16:59

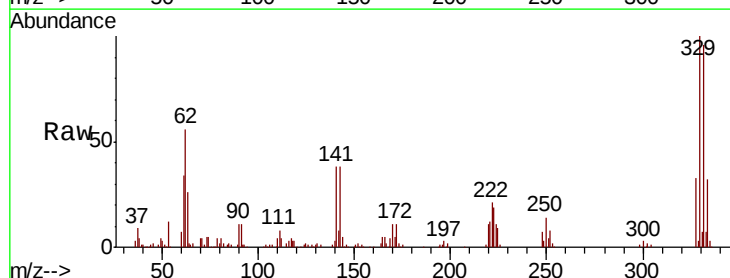
Tgt Ion:330 Resp: 183723

Ion Ratio Lower Upper

330 100

332 93.7 78.4 117.6

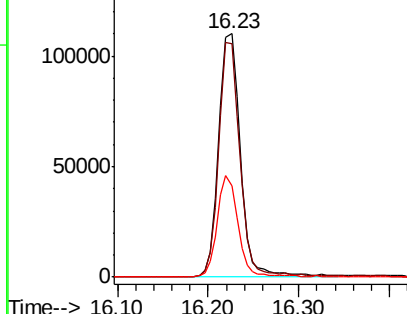
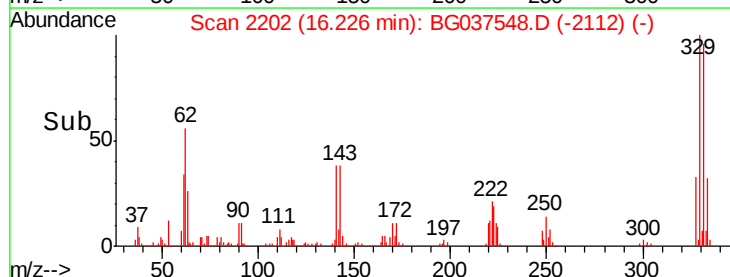
141 39.6 32.2 48.2



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

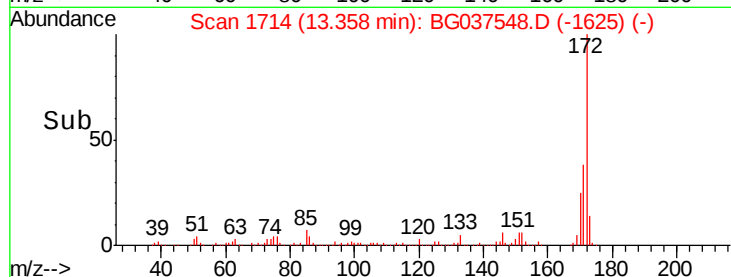
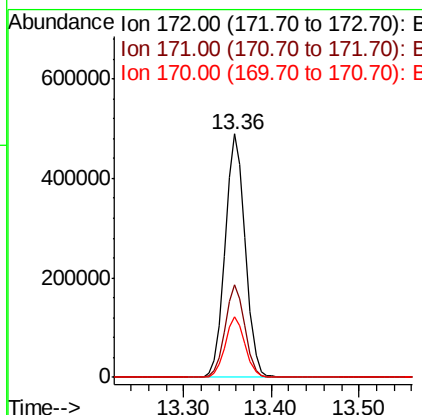
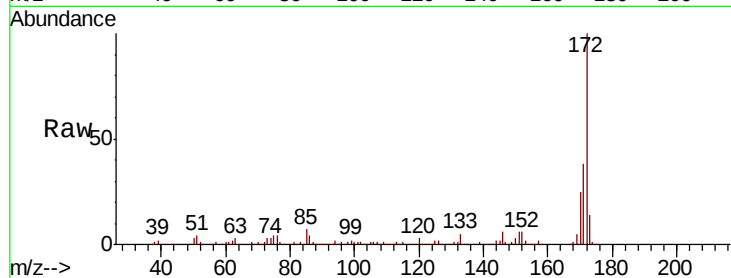




#45
 2-Fluorobiphenyl
 Concen: 73.498 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037548.D
 Acq: 25 Oct 2018 16:59

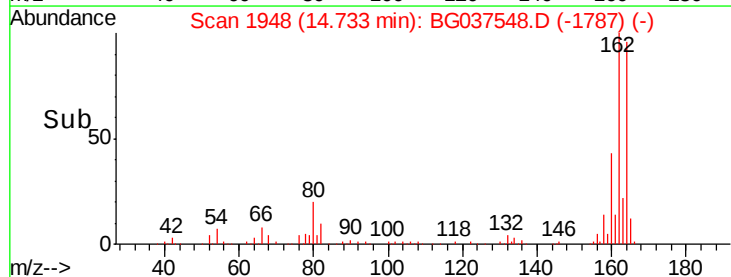
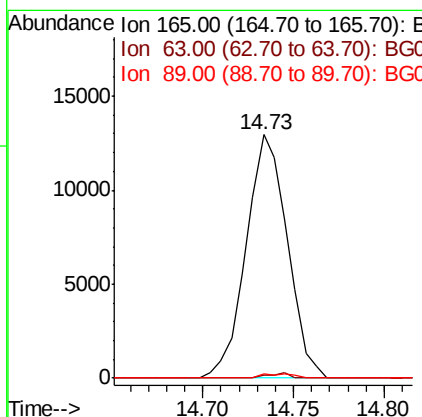
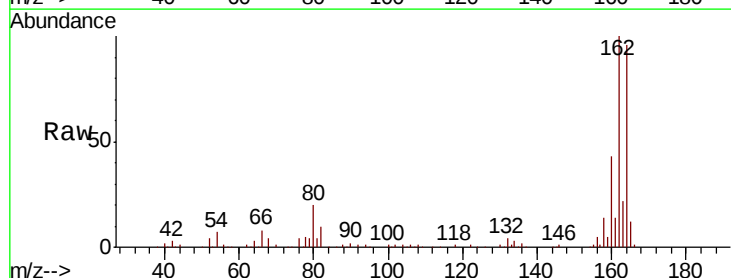
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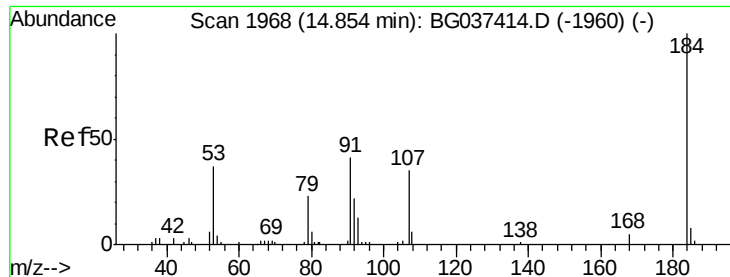
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.0	46.4
170	24.8	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.546 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037548.D
 Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.4	65.2#
89	1.9	45.8	68.6#

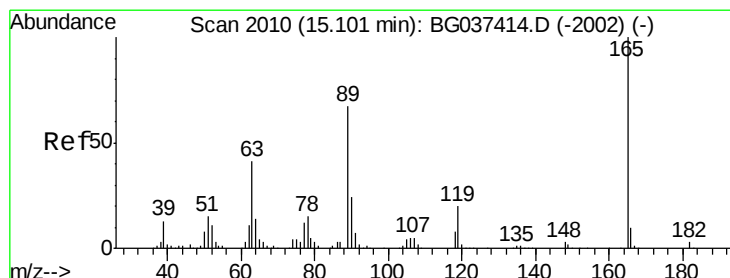
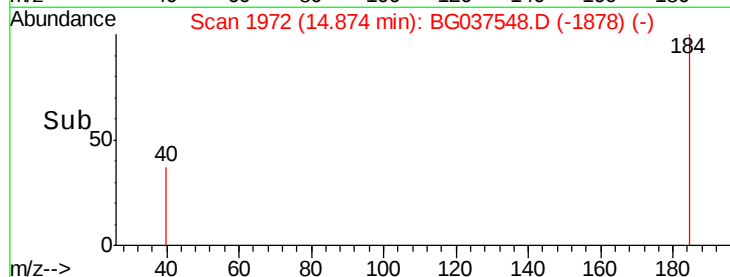
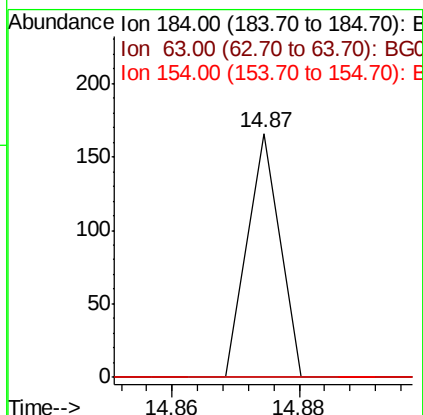
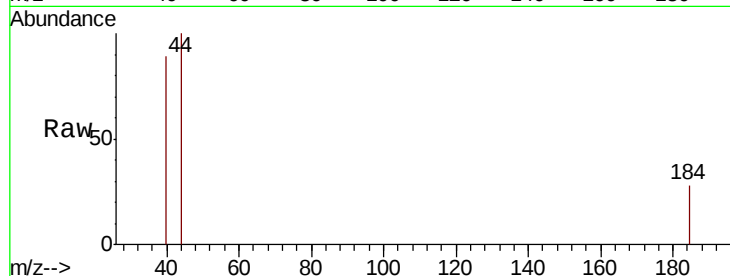




#54
2,4-Dinitrophenol
Concen: 6.200 ng
RT: 14.87 min Scan# 1972
Delta R.T. 0.02 min
Lab File: BG037548.D
Acq: 25 Oct 2018 16:59

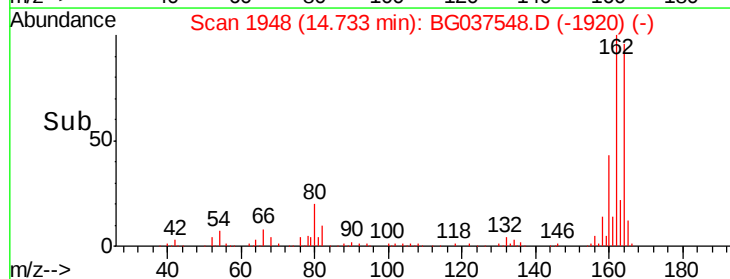
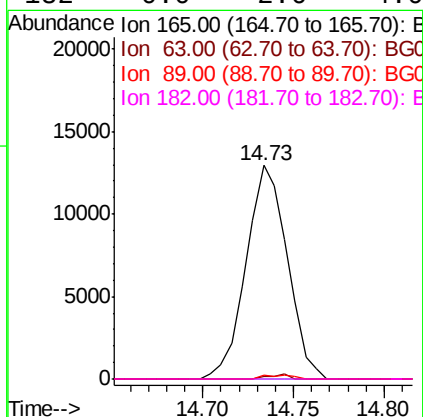
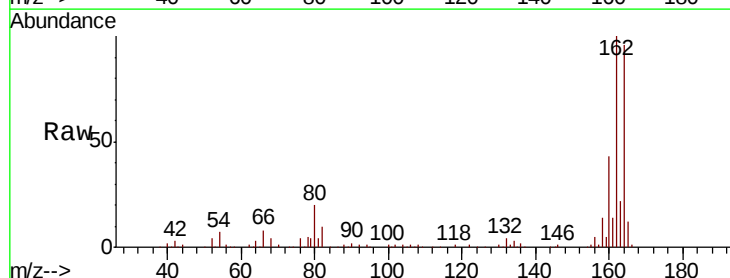
Instrument :
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ClientSampleId :
PB114142TB

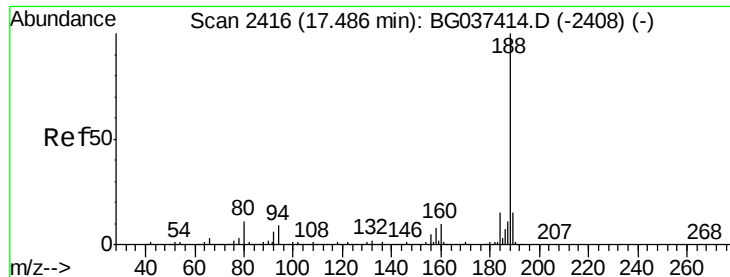
Tot Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 42.6 63.8#
154 0.0 41.8 62.6#



#57
2,4-Dinitrotoluene
Concen: 5.748 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.37 min
Lab File: BG037548.D
Acq: 25 Oct 2018 16:59

Tgt Ion:165 Resp: 20567
Ion Ratio Lower Upper
165 100
63 1.4 33.4 50.0#
89 1.9 57.2 85.8#
182 0.0 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: BG037548.D

Acq: 25 Oct 2018 16:59

Instrument :

BNA_G

ClientSampleId :

PB114142TB

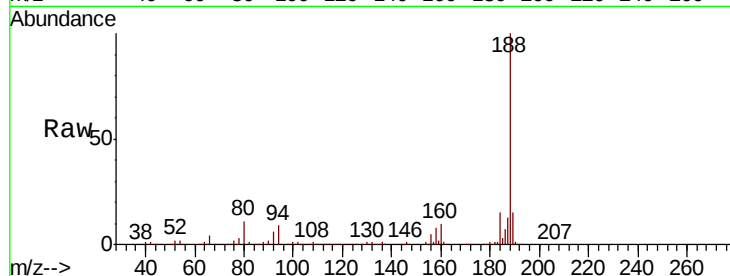
Tot Ion:188 Resp: 388794

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

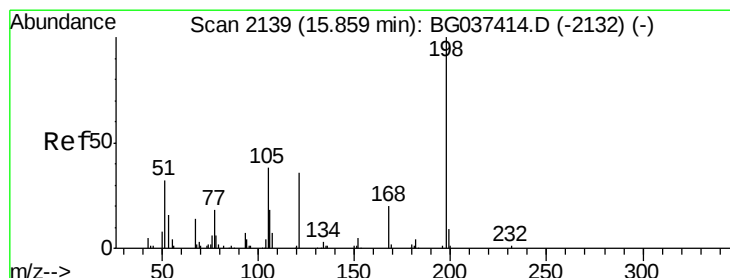
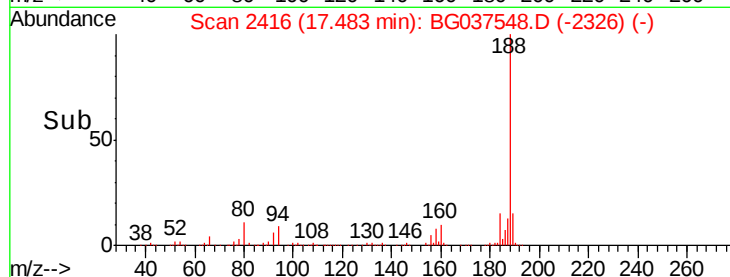
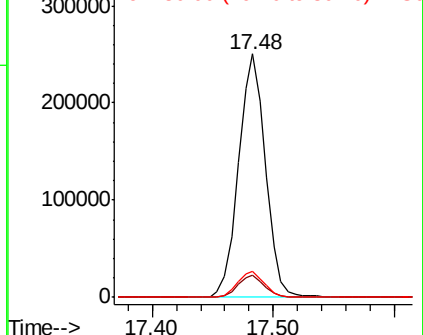
80 10.8 7.7 11.5



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: 8.598 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.37 min

Lab File: BG037548.D

Acq: 25 Oct 2018 16:59

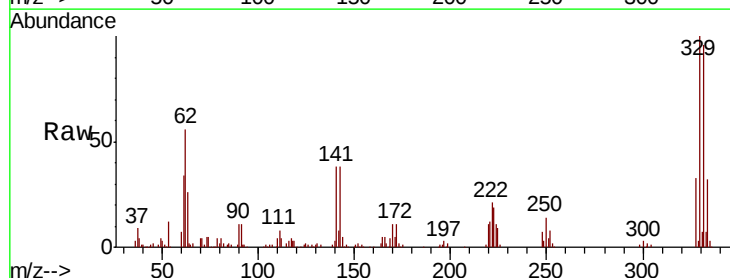
Tgt Ion:198 Resp: 224

Ion Ratio Lower Upper

198 100

51 38.0 22.7 62.7

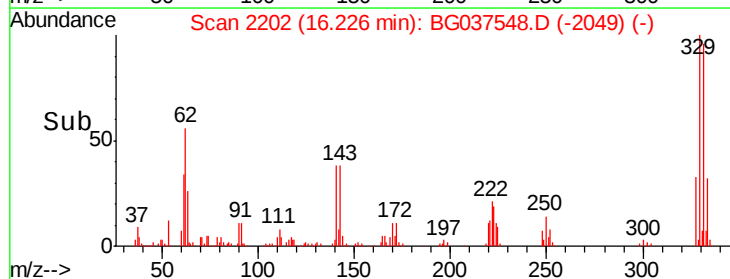
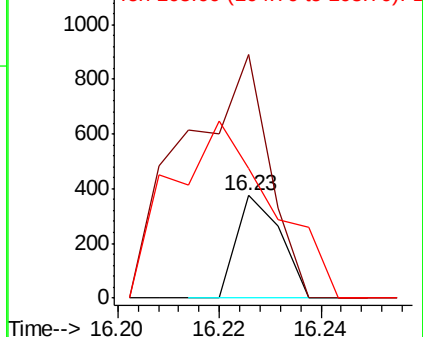
105 20.2 19.7 59.7



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: 3.073 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037548.D

Acq: 25 Oct 2018 16:59

Instrument :

BNA_G

ClientSampleId :

PB114142TB

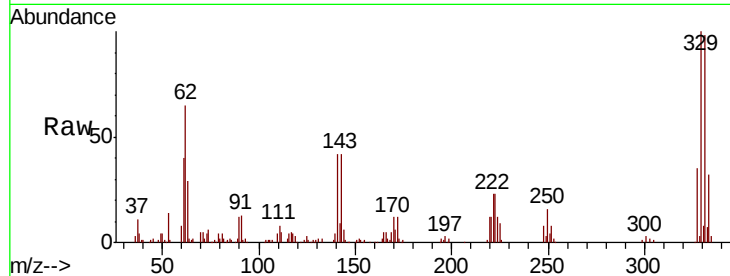
Tot Ion:248 Resp: 13121

Ion Ratio Lower Upper

248 100

250 196.2 77.0 115.6#

141 410.8 55.5 83.3#

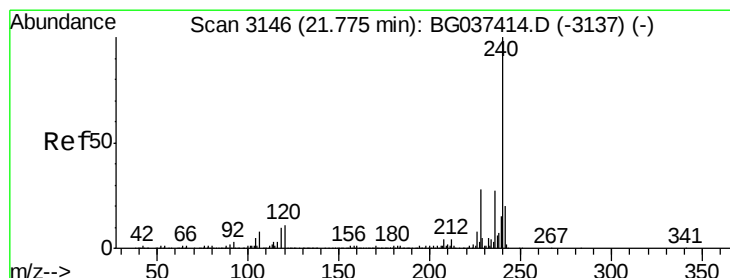
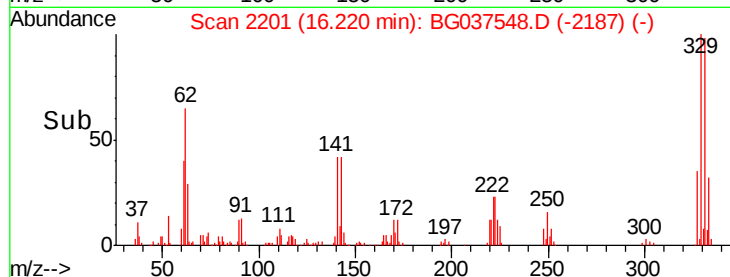
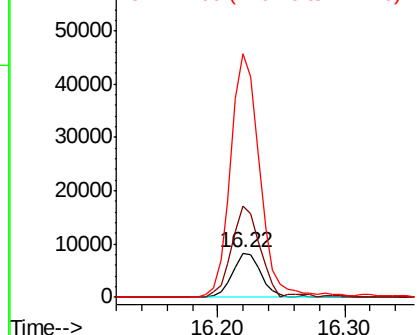


Abundance

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: BG037548.D

Acq: 25 Oct 2018 16:59

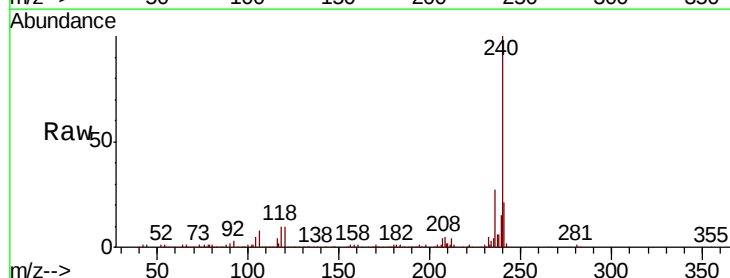
Tgt Ion:240 Resp: 357049

Ion Ratio Lower Upper

240 100

120 10.0 8.1 12.1

236 26.5 21.4 32.0

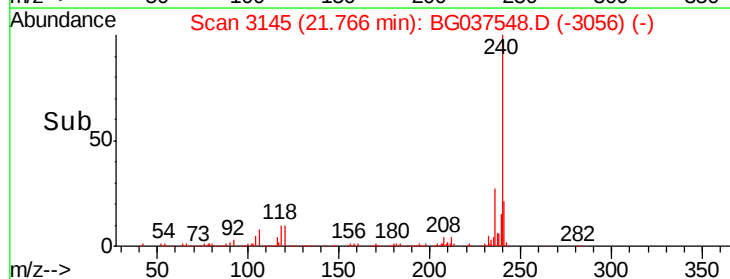
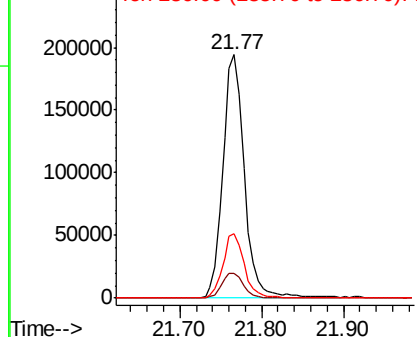


Abundance

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: 73.189 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037548.D

Acq: 25 Oct 2018 16:59

Instrument :

BNA_G

ClientSampleId :

PB114142TB

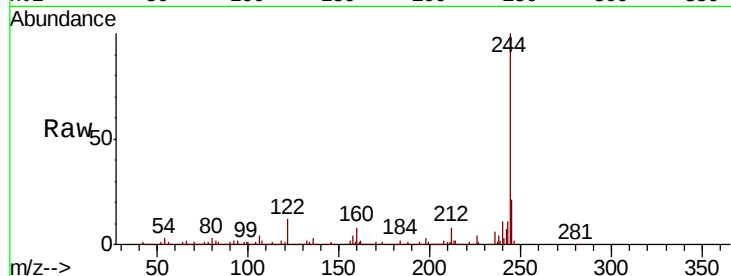
Tot Ion:244 Resp: 1222978

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

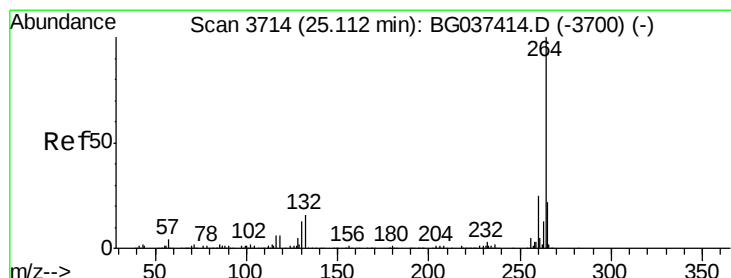
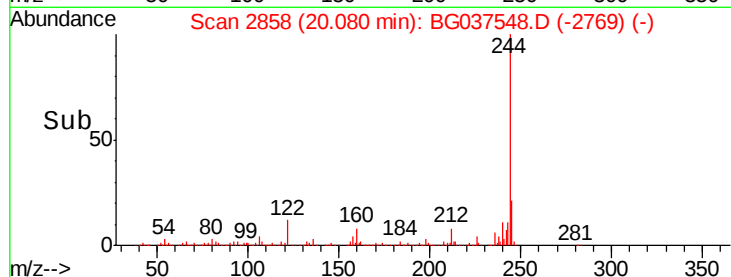
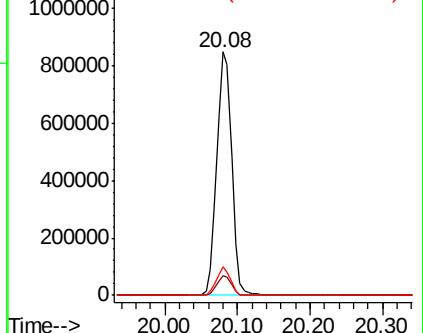
122 11.7 9.0 13.4



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# 3713

Delta R.T. -0.01 min

Lab File: BG037548.D

Acq: 25 Oct 2018 16:59

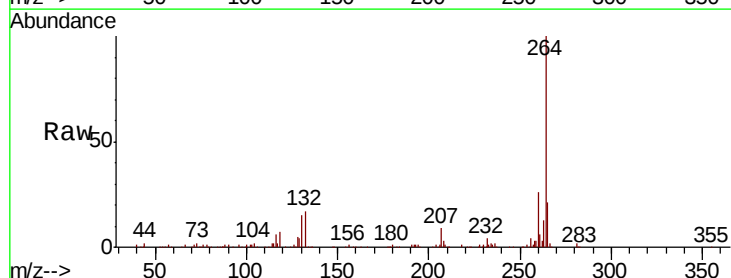
Tgt Ion:264 Resp: 318376

Ion Ratio Lower Upper

264 100

260 25.8 18.2 27.4

265 20.7 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

