

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037439.D
 Acq On : 19 Oct 2018 3:46
 Operator : JU/SJ
 Sample : PB113698BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 19 07:06:59 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

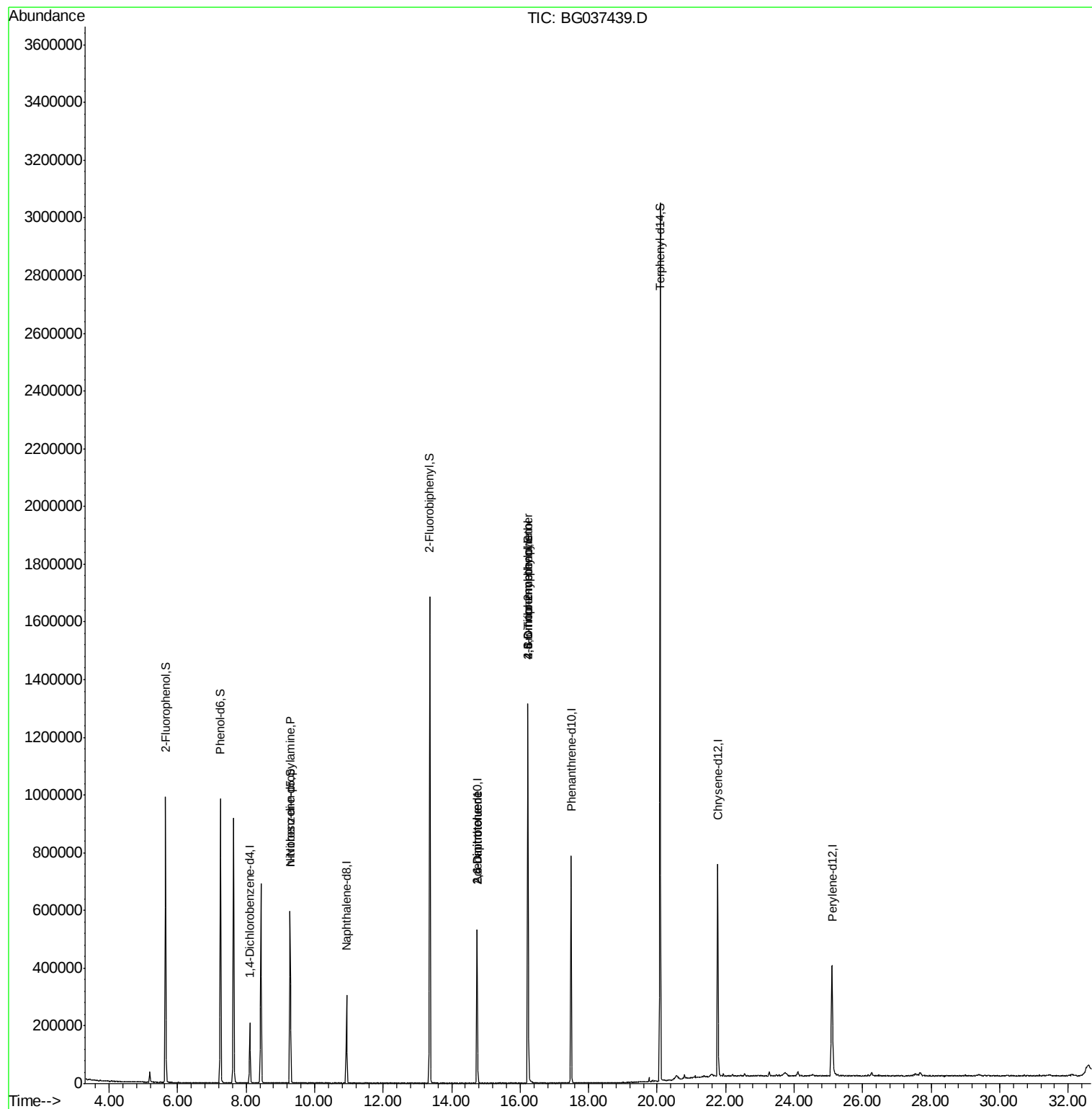
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	61509	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	271020	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	188193	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	490122	20.00	ng	0.00
76) Chrysene-d12	21.77	240	457654	20.00	ng	0.00
87) Perylene-d12	25.11	264	447935	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	448298	121.85	ng	0.00
7) Phenol-d6	7.25	99	642253	115.45	ng	0.00
23) Nitrobenzene-d5	9.28	82	367833	76.03	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	246751	120.21	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	909301	72.86	ng	0.00
79) Terphenyl-d14	20.08	244	1509571	70.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	45856	11.970	ng	# 69
51) 2,6-Dinitrotoluene	14.74	165	23993	7.450	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	23993	5.675	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	861	8.783	ng	# 1
67) 4-Bromophenyl-phenylether	16.23	248	18032	3.350	ng	# 1

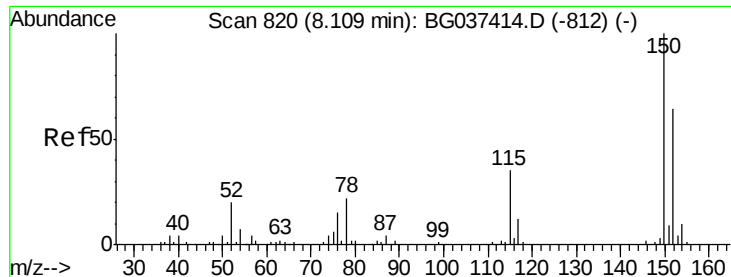
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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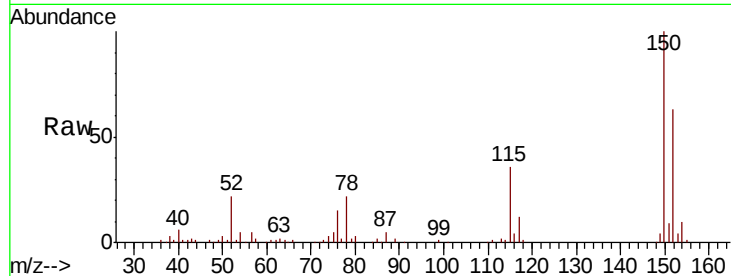


#1

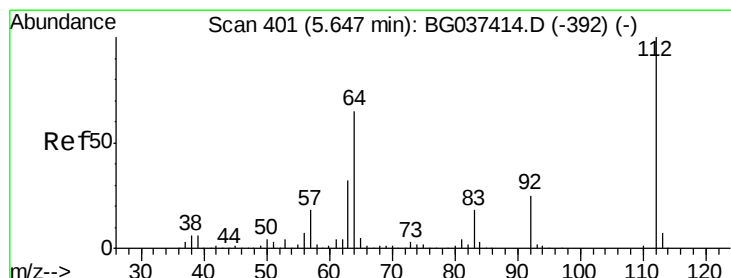
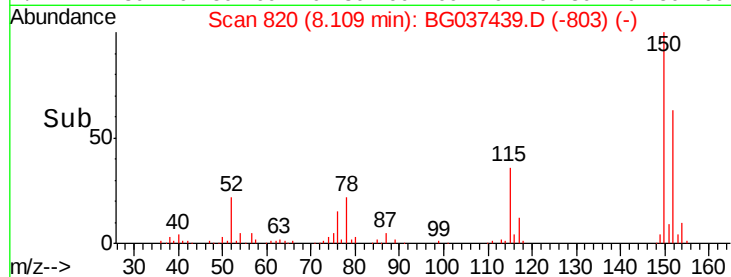
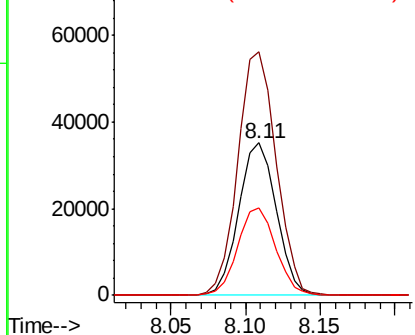
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. 0.00 min
Lab File: BG037439.D
Acq: 19 Oct 2018 3:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61509
Ion Ratio Lower Upper
152 100
150 159.9 126.0 189.0
115 57.5 45.5 68.3



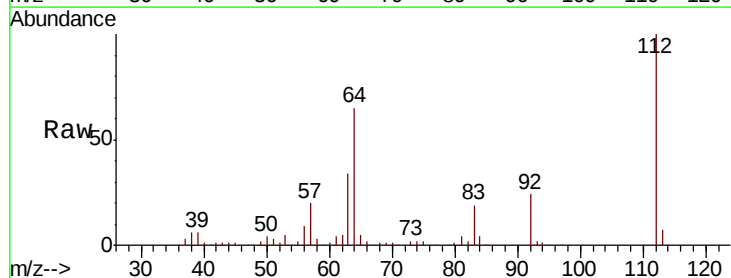
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



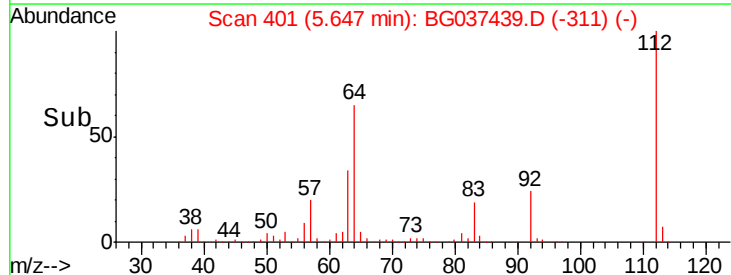
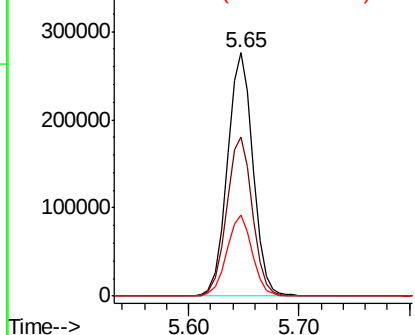
#5

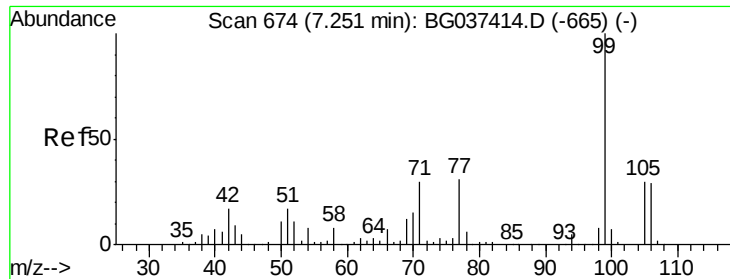
2-Fluorophenol
Concen: 121.850 ng
RT: 5.65 min Scan# 401
Delta R.T. 0.00 min
Lab File: BG037439.D
Acq: 19 Oct 2018 3:46

Tgt Ion:112 Resp: 448298
Ion Ratio Lower Upper
112 100
64 65.2 53.1 79.7
63 33.5 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: 115.446 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037439.D

Acq: 19 Oct 2018 3:46

Instrument :

BNA_G

ClientSampleId :

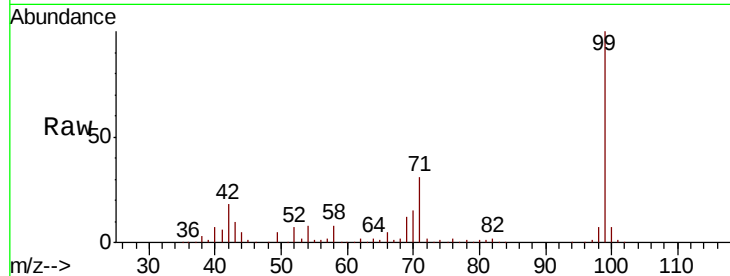
Tot Ion: 99 Resp: 642253

Ion Ratio Lower Upper

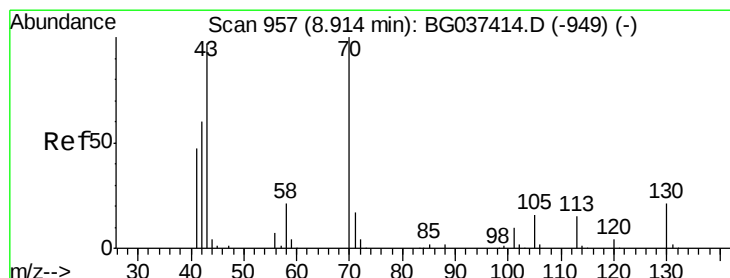
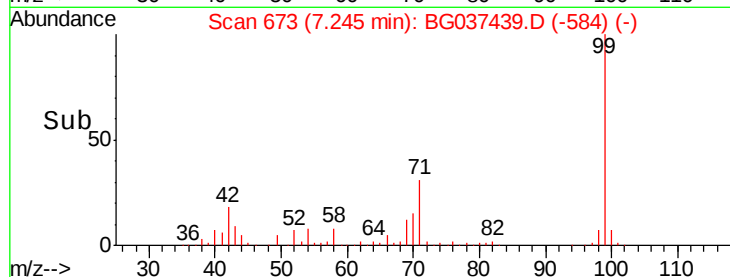
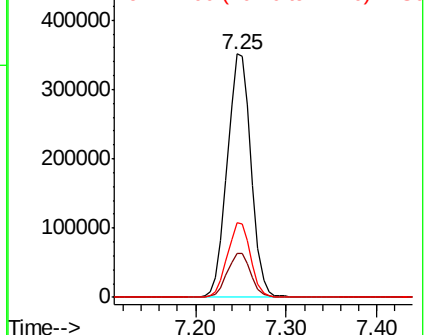
99 100

42 18.1 15.0 22.4

71 30.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.970 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037439.D

Acq: 19 Oct 2018 3:46

Tgt Ion: 70 Resp: 45856

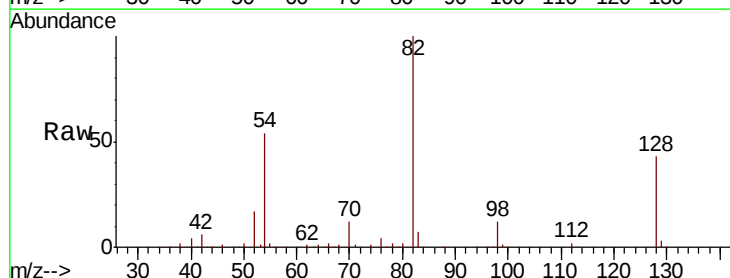
Ion Ratio Lower Upper

70 100

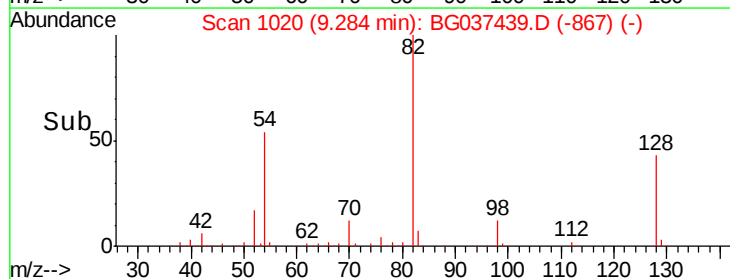
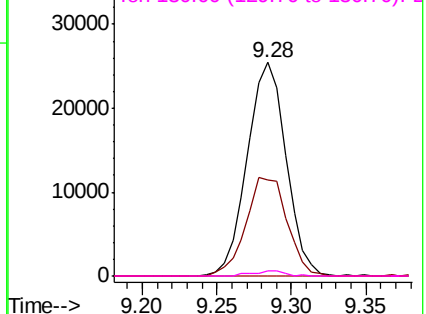
42 45.2 53.9 80.9#

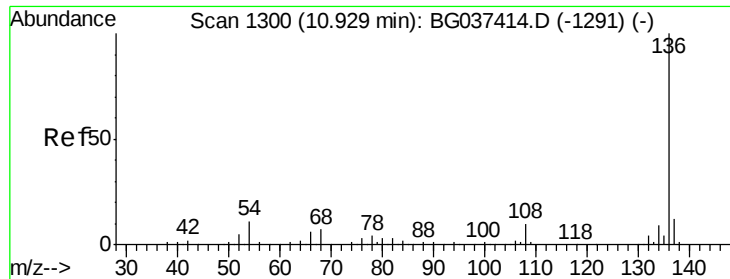
101 0.0 8.2 12.2#

130 2.2 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

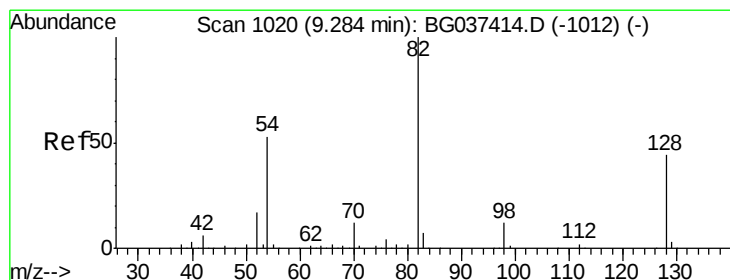
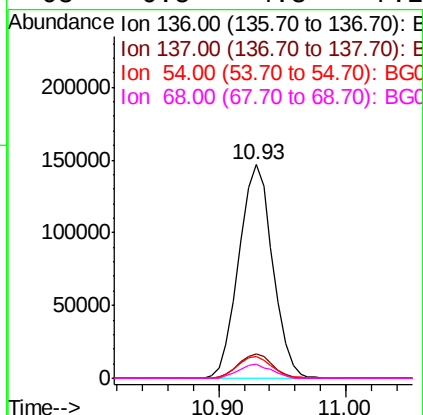
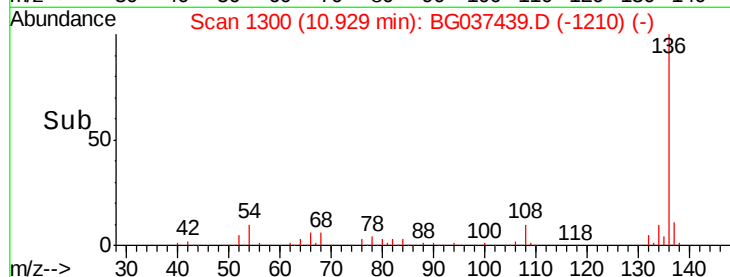
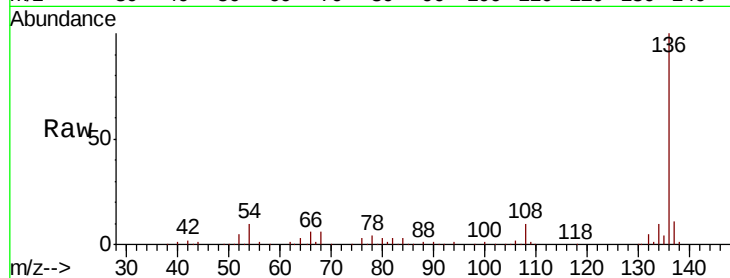




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG037439.D
Acq: 19 Oct 2018 3:46

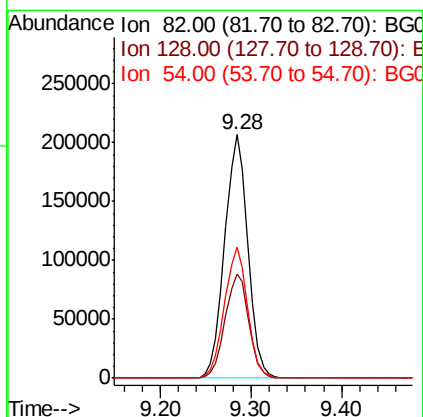
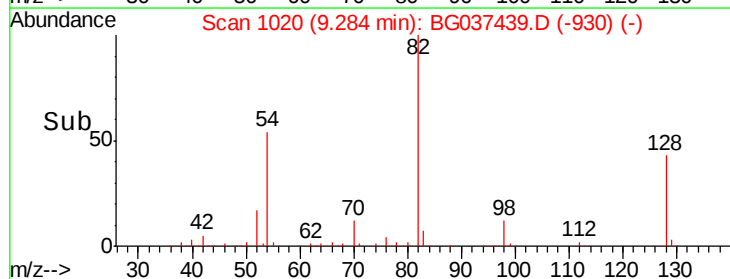
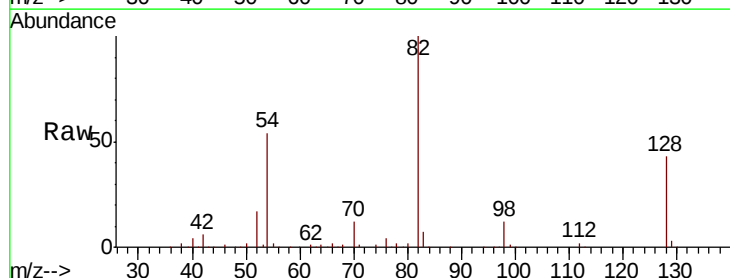
Instrument :
BNA_G
ClientSampleId :

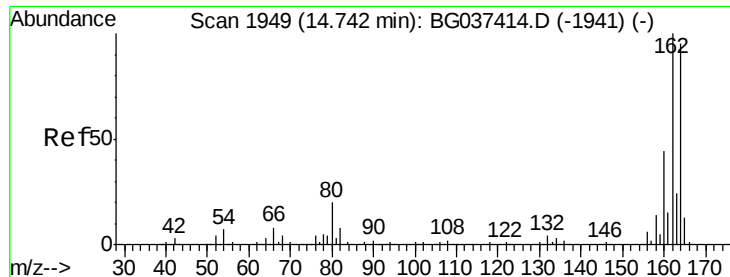
Tot Ion:136	Resp:	271020
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.6 14.4
54	10.2	7.9 11.9
68	6.5	4.8 7.2



#23
Nitrobenzene-d5
Concen: 76.030 ng
RT: 9.28 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BG037439.D
Acq: 19 Oct 2018 3:46

Tgt Ion: 82	Resp:	367833
Ion	Ratio	Lower Upper
82	100	
128	42.9	34.6 51.8
54	54.1	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BG037439.D

Acq: 19 Oct 2018 3:46

Instrument :

BNA_G

ClientSampleId :

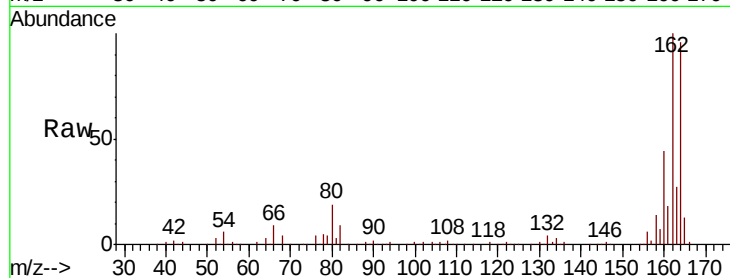
Tot Ion:164 Resp: 188193

Ion Ratio Lower Upper

164 100

162 104.2 81.3 121.9

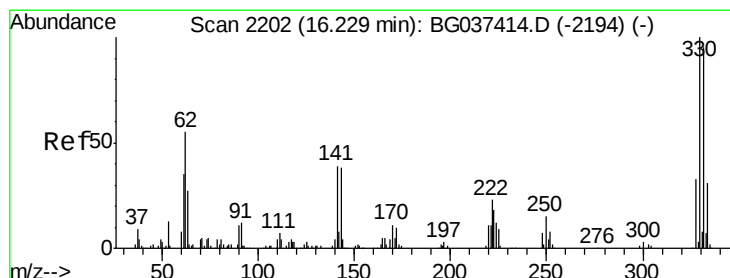
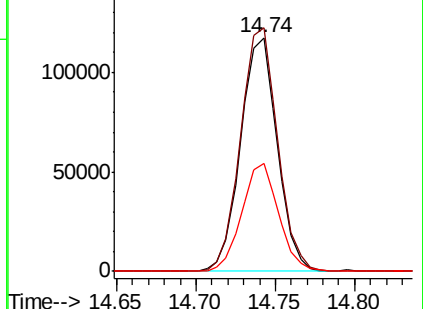
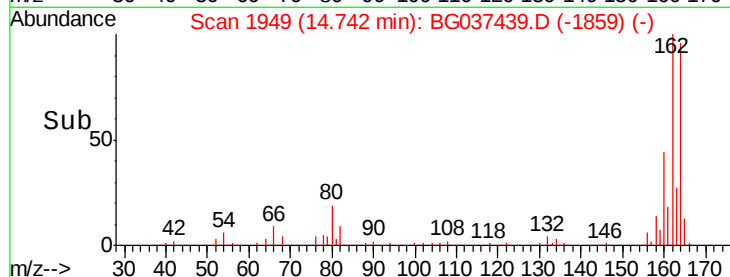
160 46.3 36.3 54.5



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: 120.214 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BG037439.D

Acq: 19 Oct 2018 3:46

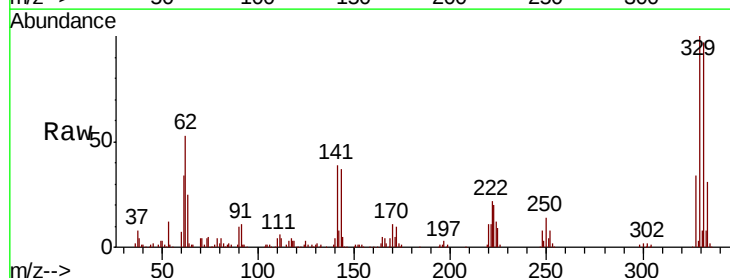
Tgt Ion:330 Resp: 246751

Ion Ratio Lower Upper

330 100

332 94.9 78.4 117.6

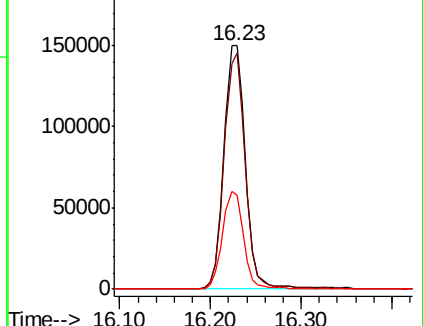
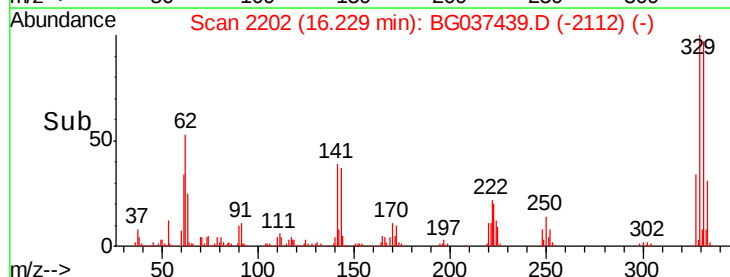
141 39.0 32.2 48.2

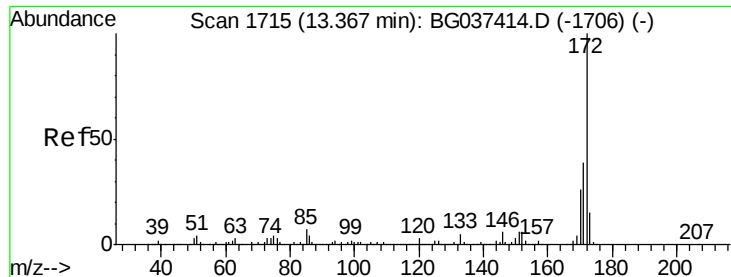


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

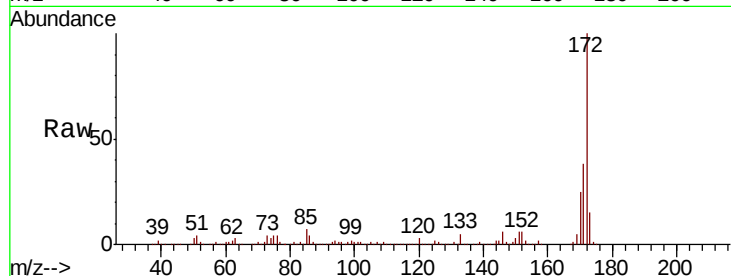




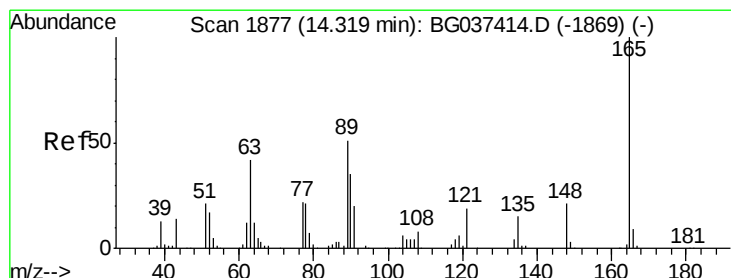
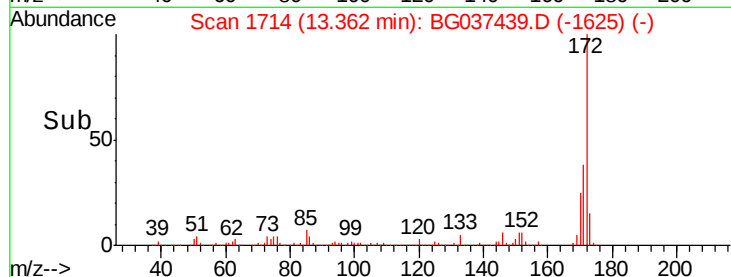
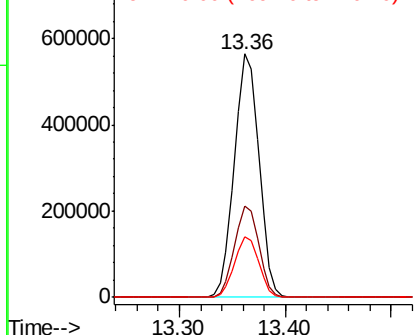
#45
 2-Fluorobiphenyl
 Concen: 72.860 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037439.D
 Acq: 19 Oct 2018 3:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	31.0	46.4
170	24.8	20.2	30.2

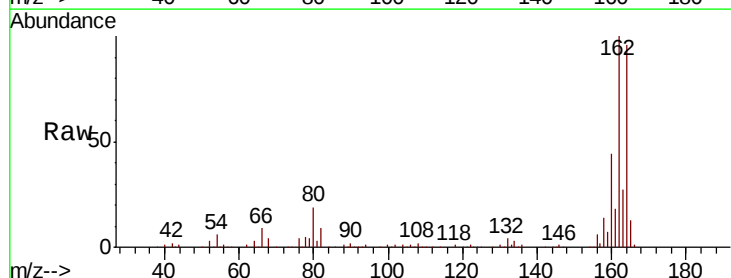


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

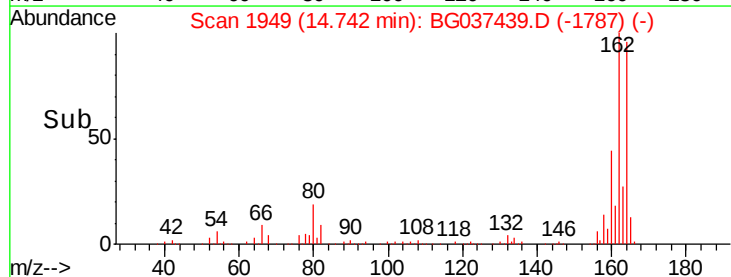
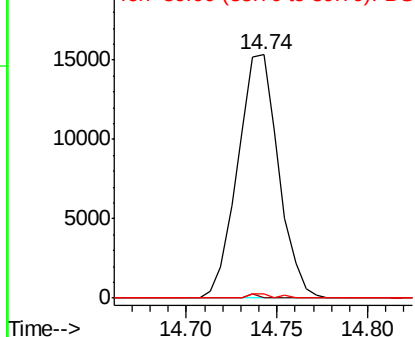


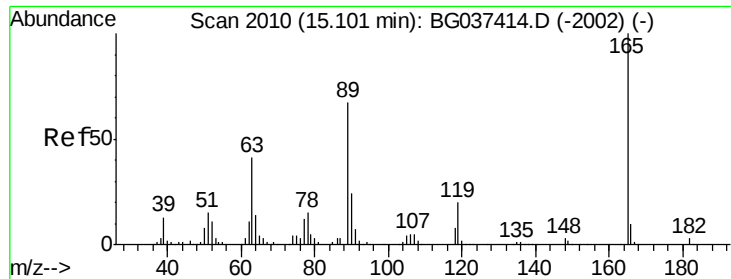
#51
 2,6-Dinitrotoluene
 Concen: 7.450 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. 0.42 min
 Lab File: BG037439.D
 Acq: 19 Oct 2018 3:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.6	45.8	68.6#



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

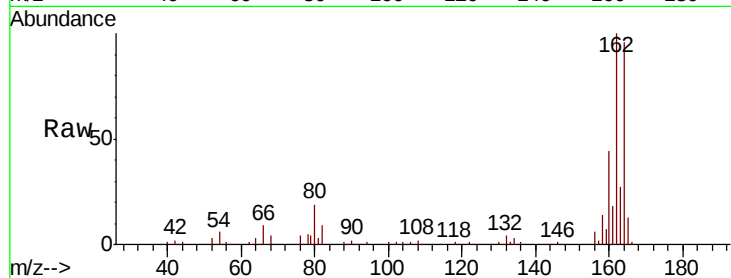




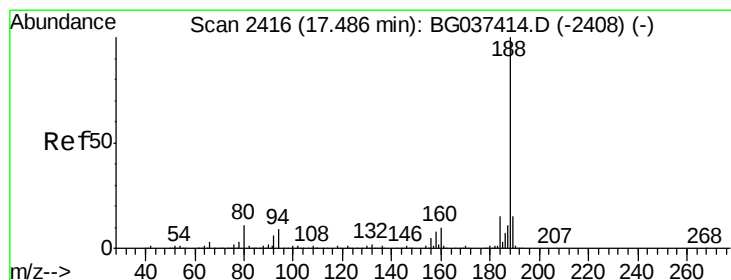
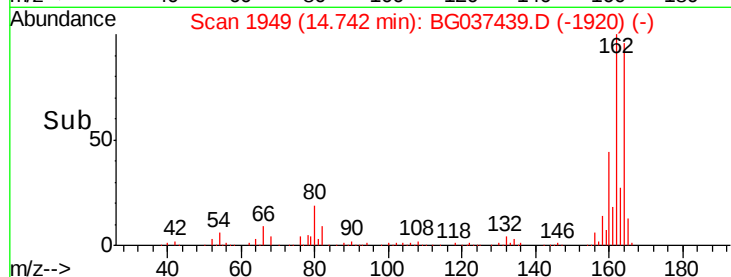
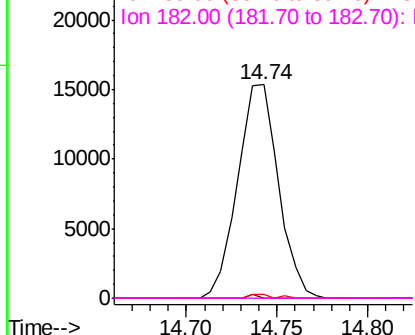
#57
 2,4-Dinitrotoluene
 Concen: 5.675 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. -0.36 min
 Lab File: BG037439.D
 Acq: 19 Oct 2018 3:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	23993
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	1.6	57.2 85.8#
182	0.0	2.6 4.0#

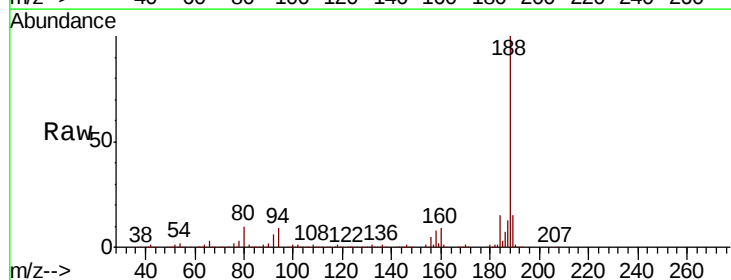


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

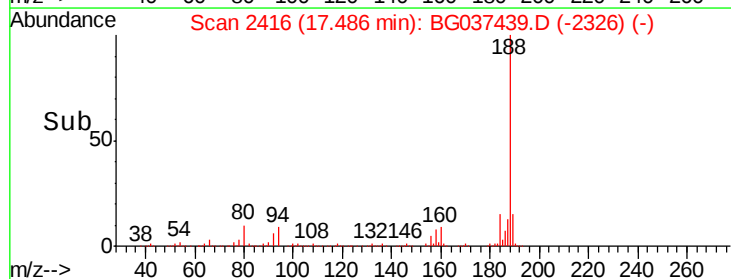
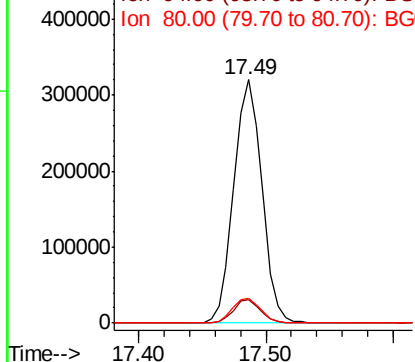


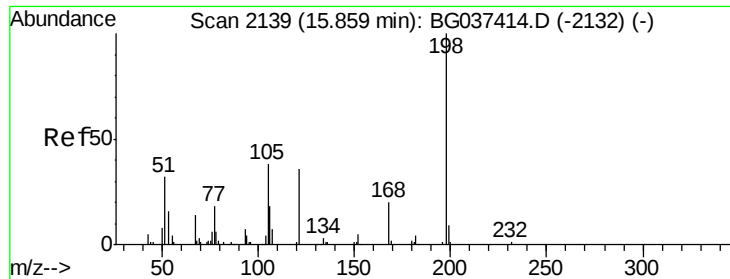
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2416
 Delta R.T. 0.00 min
 Lab File: BG037439.D
 Acq: 19 Oct 2018 3:46

Tgt Ion:188	Resp:	490122
Ion Ratio	Lower	Upper
188	100	
94	9.4	7.2 10.8
80	10.0	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

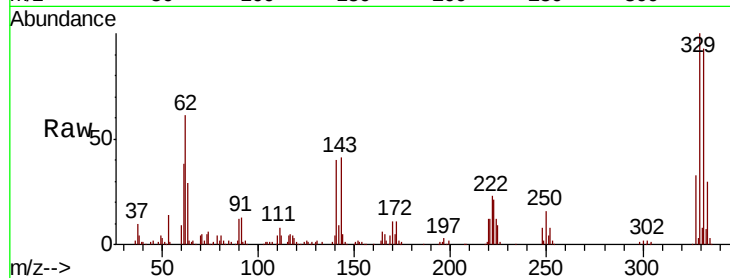




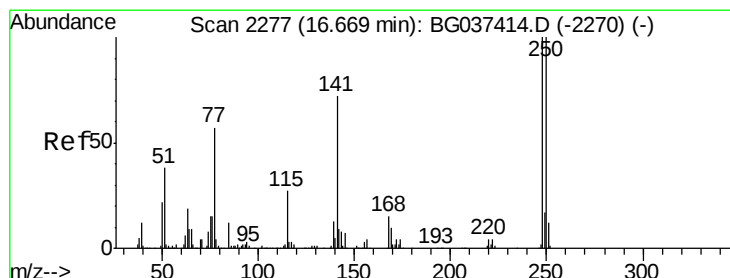
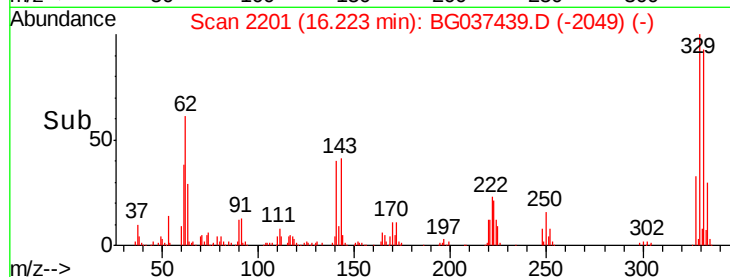
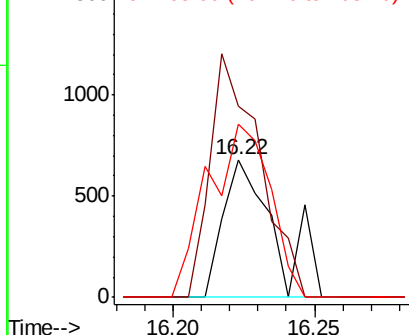
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.783 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.37 min
 Lab File: BG037439.D
 Acq: 19 Oct 2018 3:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 861
 Ion Ratio Lower Upper
 198 100
 51 138.9 22.7 62.7#
 105 126.2 19.7 59.7#

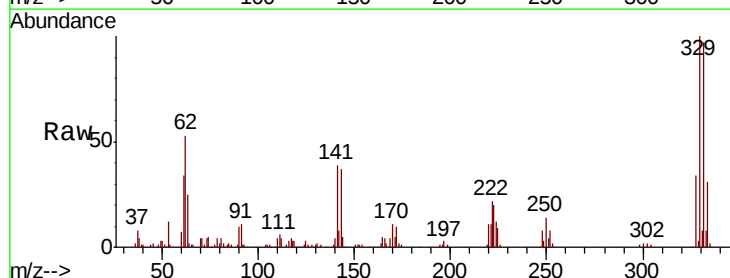


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

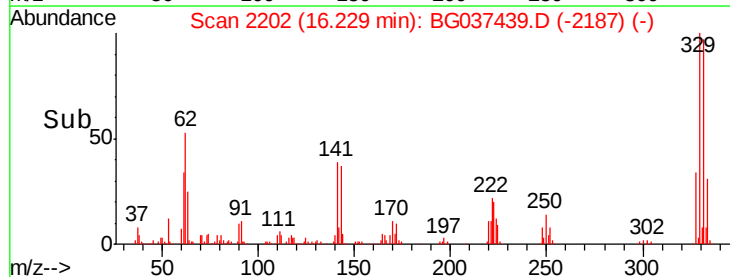
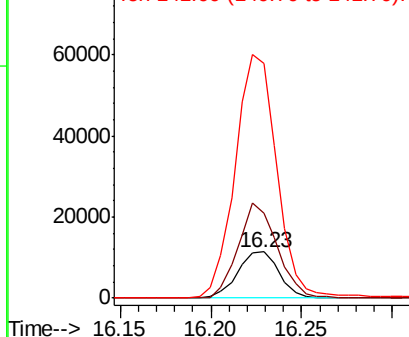


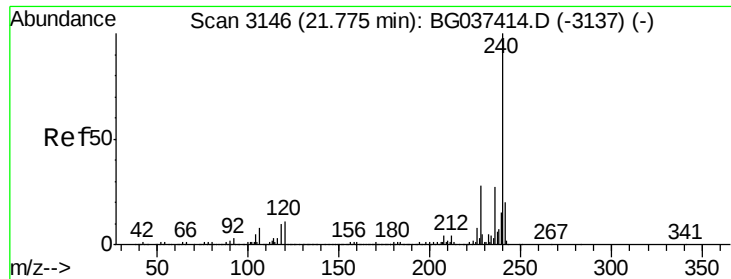
#67
 4-Bromophenyl-phenylether
 Concen: 3.350 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.44 min
 Lab File: BG037439.D
 Acq: 19 Oct 2018 3:46

Tgt Ion:248 Resp: 18032
 Ion Ratio Lower Upper
 248 100
 250 178.2 77.0 115.6#
 141 382.0 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: BG037439.D

Acq: 19 Oct 2018 3:46

Instrument :

BNA_G

ClientSampleId :

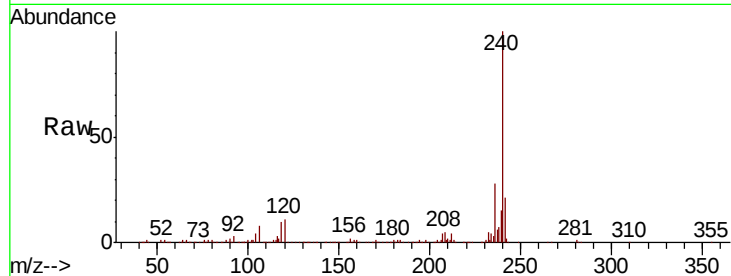
Tot Ion:240 Resp: 457654

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

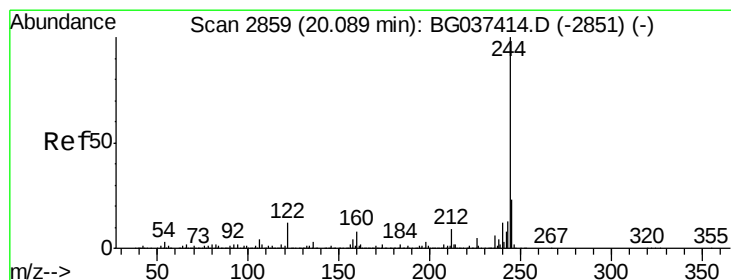
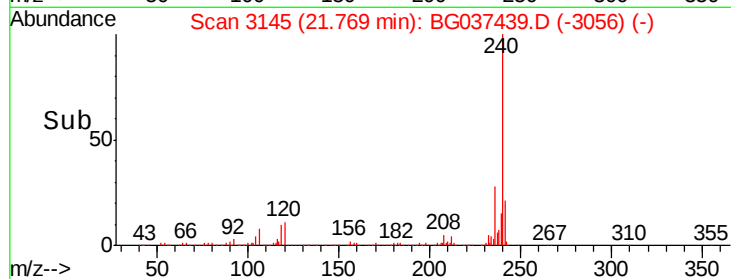
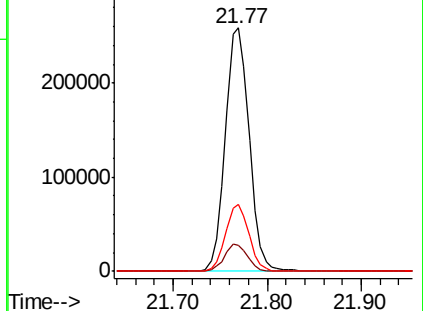
236 27.7 21.4 32.0



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: 70.481 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037439.D

Acq: 19 Oct 2018 3:46

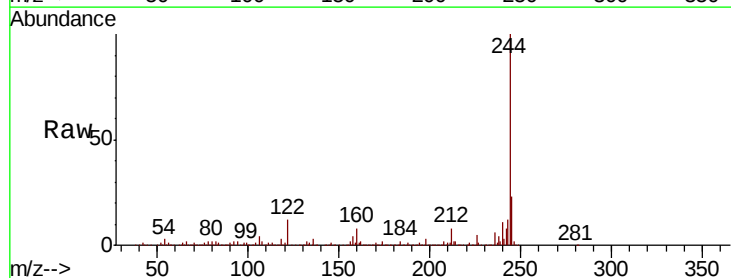
Tgt Ion:244 Resp: 1509571

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

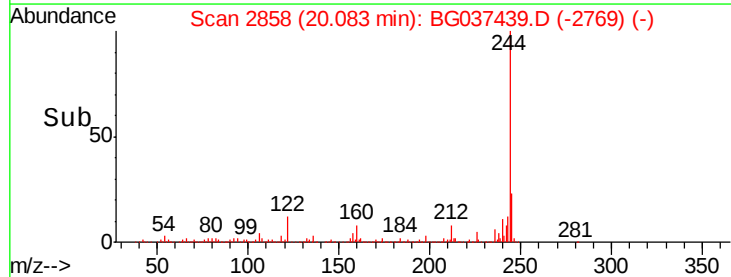
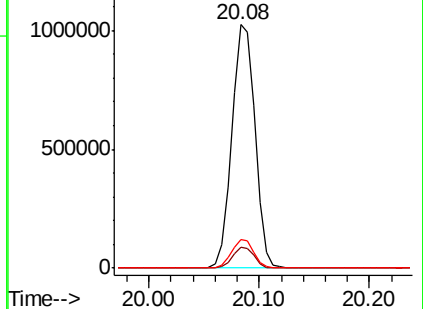
122 11.7 9.0 13.4

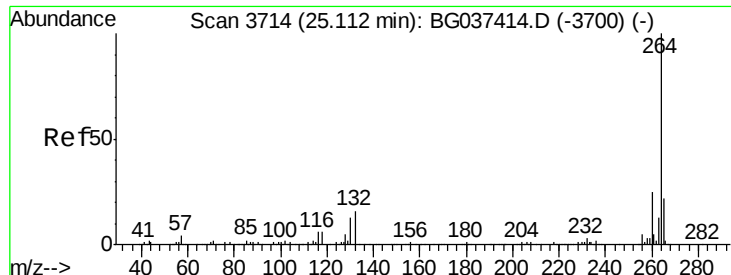


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

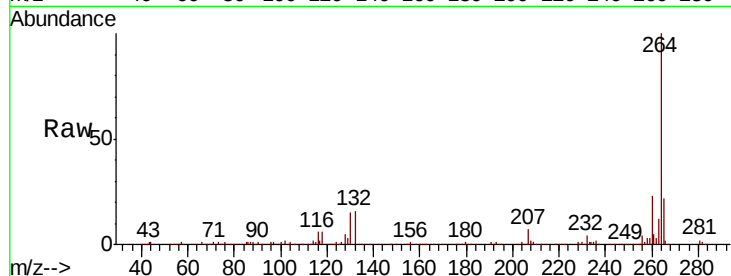




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037439.D
Acq: 19 Oct 2018 3:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	22.1	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

