

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111218\
 Data File : BG037970.D
 Acq On : 13 Nov 2018 7:54
 Operator : JU/SJ
 Sample : J5904-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 13 11:38:23 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

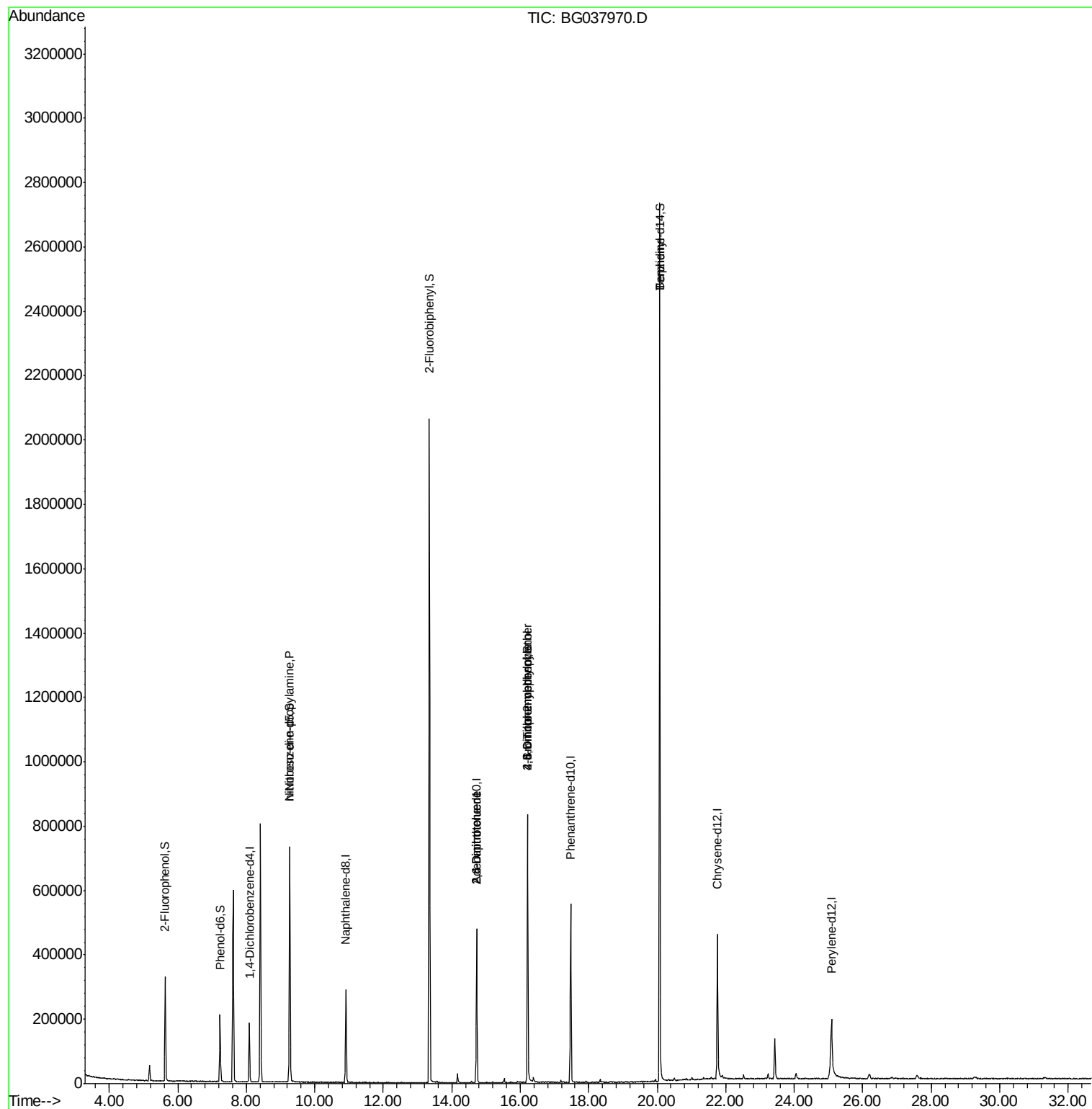
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	56282	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	262669	20.00	ng	-0.02
39) Acenaphthene-d10	14.73	164	172106	20.00	ng	-0.01
64) Phenanthrene-d10	17.47	188	369399	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	321567	20.00	ng	-0.02
87) Perylene-d12	25.09	264	272701	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	153812	45.69	ng	-0.01
7) Phenol-d6	7.23	99	138512	27.21	ng	-0.02
23) Nitrobenzene-d5	9.27	82	481805	102.75	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	164056	87.40	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1117897	97.95	ng	-0.02
79) Terphenyl-d14	20.07	244	1348468	89.60	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	60300	17.202	ng	# 75
51) 2,6-Dinitrotoluene	14.73	165	21934	7.447	ng	# 26
57) 2,4-Dinitrotoluene	14.73	165	21934	5.673	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	476	8.710	ng	88
67) 4-Bromophenyl-phenylether	16.21	248	11833	2.917	ng	# 1
77) Benzidine	20.07	184	22462	2.054	ng	# 93

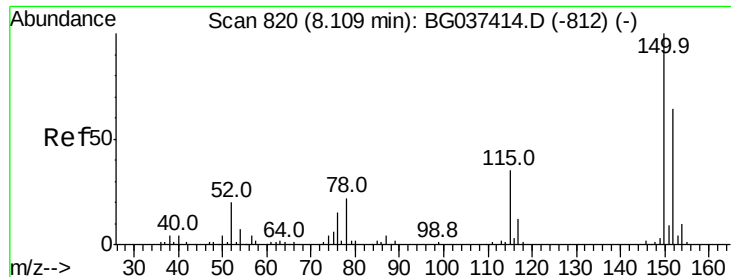
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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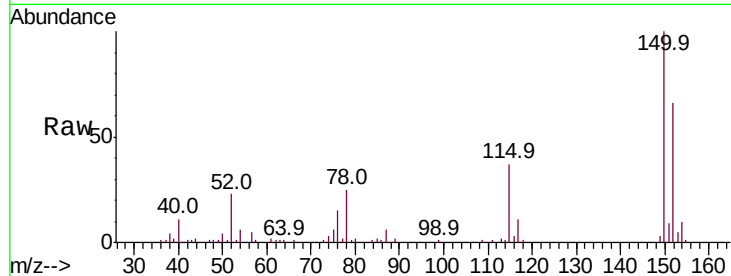


#1

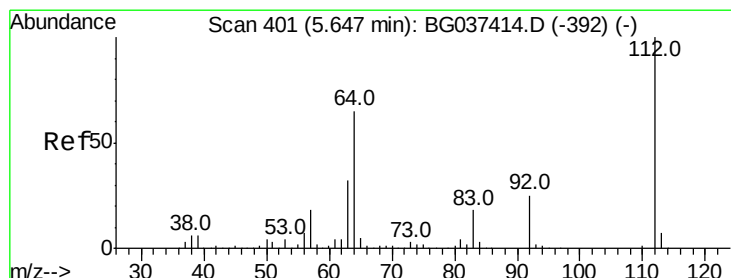
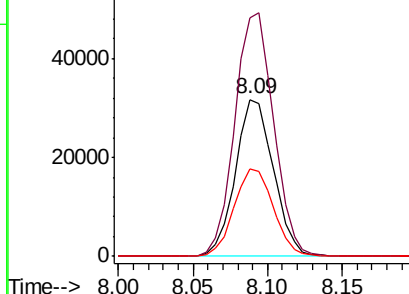
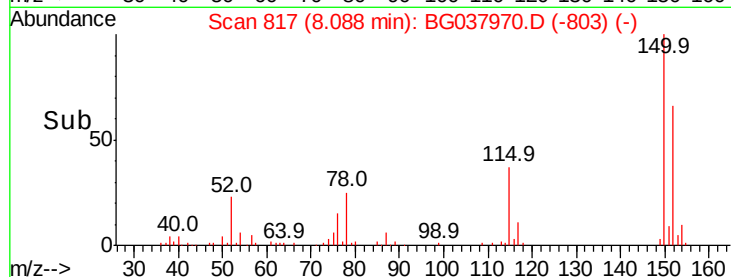
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG037970.D
Acq: 13 Nov 2018 7:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56282
Ion Ratio Lower Upper
152 100
150 151.4 126.0 189.0
115 56.1 45.5 68.3



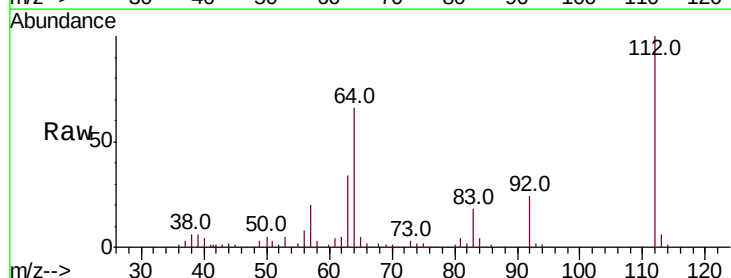
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



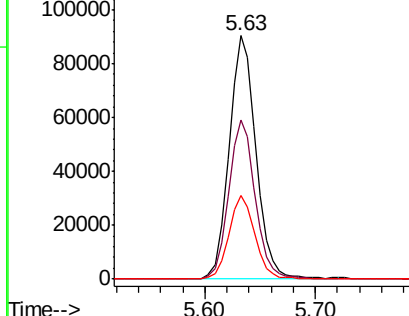
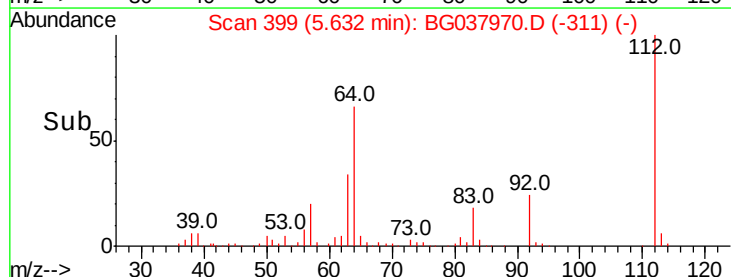
#5

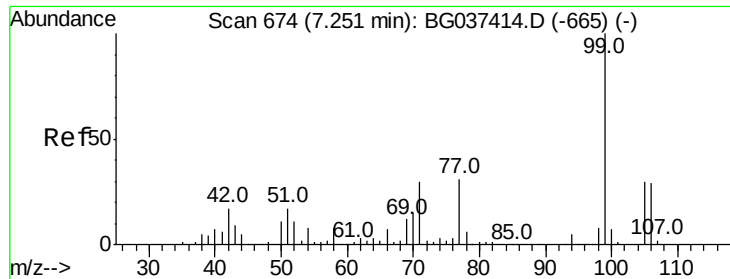
2-Fluorophenol
Concen: 45.690 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037970.D
Acq: 13 Nov 2018 7:54

Tgt Ion:112 Resp: 153812
Ion Ratio Lower Upper
112 100
64 65.6 53.1 79.7
63 34.4 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: 27.210 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037970.D

Acq: 13 Nov 2018 7:54

Instrument :

BNA_G

ClientSampled :

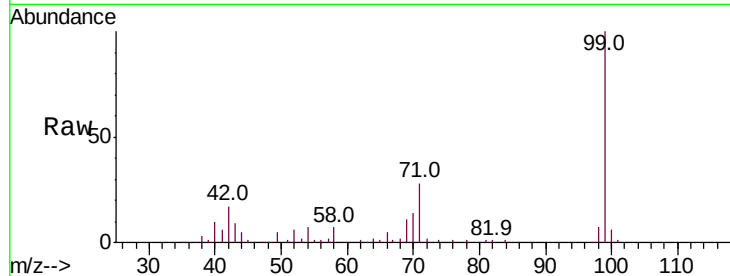
Tot Ion: 99 Resp: 138512

Ion Ratio Lower Upper

99 100

42 17.2 15.0 22.4

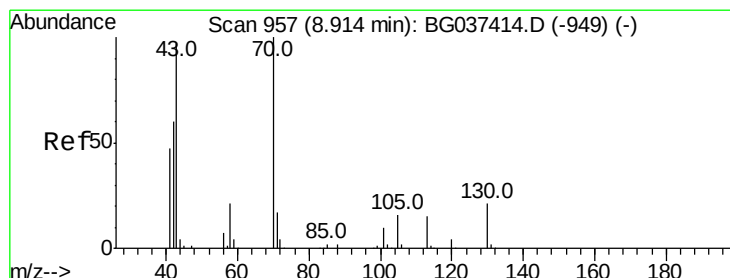
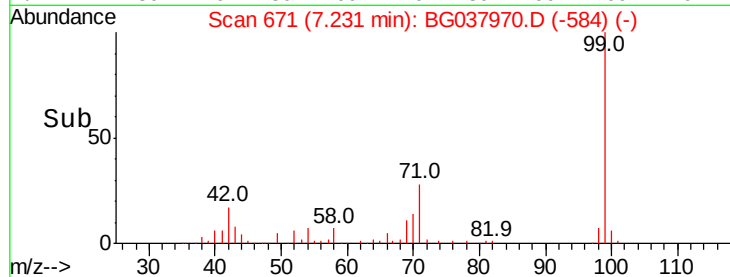
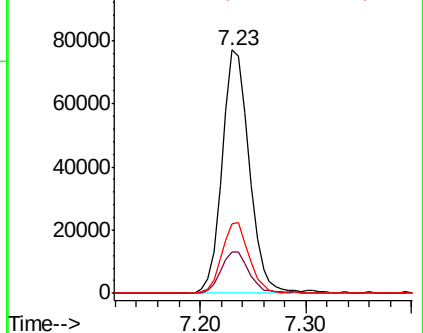
71 28.4 25.5 38.3



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: 17.202 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037970.D

Acq: 13 Nov 2018 7:54

Tgt Ion: 70 Resp: 60300

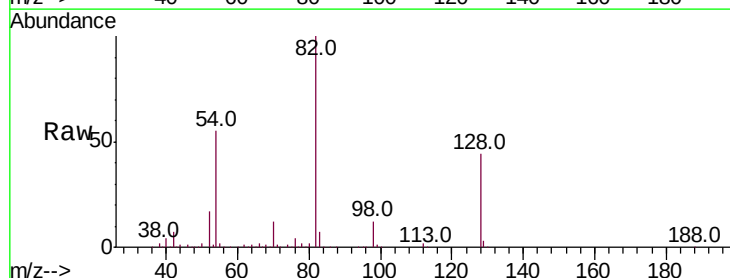
Ion Ratio Lower Upper

70 100

42 52.9 53.9 80.9#

101 0.0 8.2 12.2#

130 2.0 18.2 27.4#

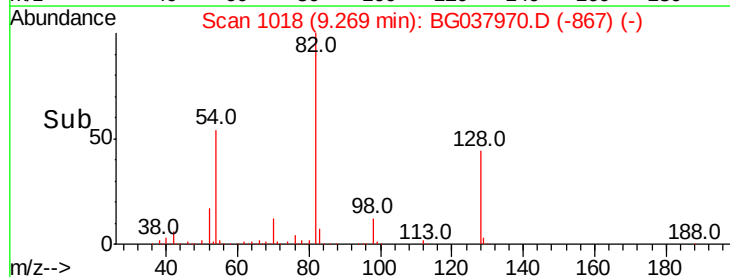
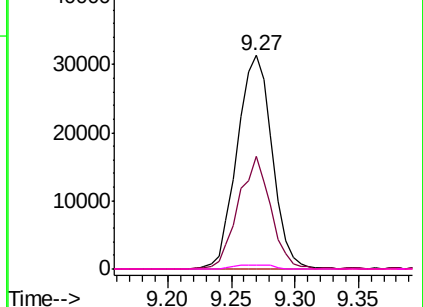


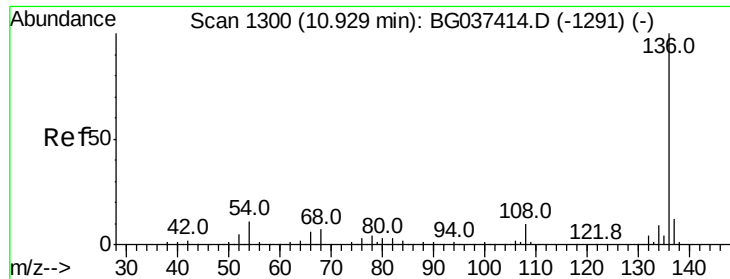
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

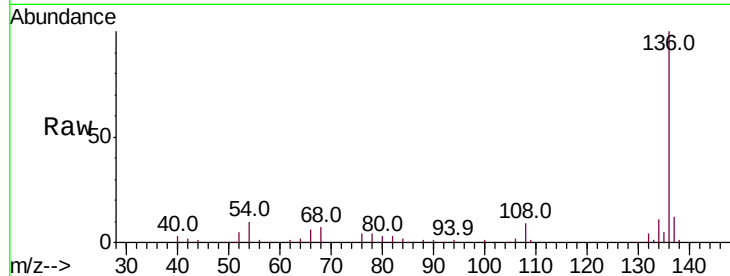




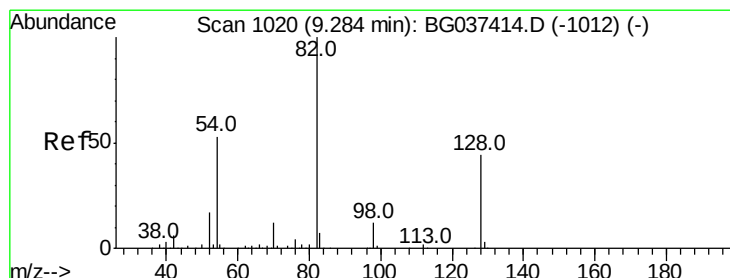
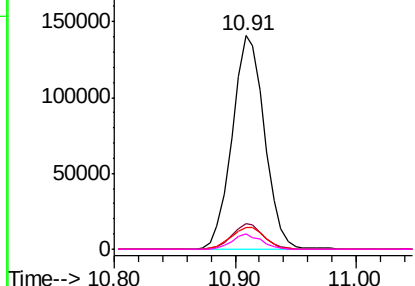
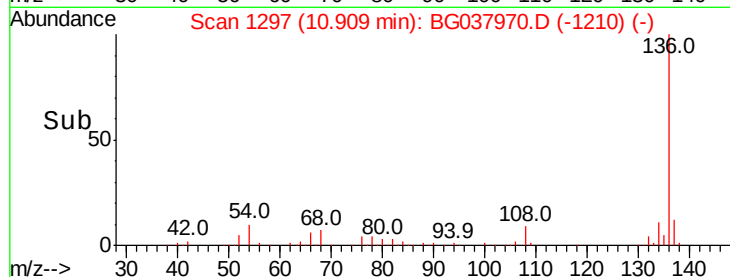
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG037970.D
Acq: 13 Nov 2018 7:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	262669
Ion Ratio	Lower	Upper
136 100		
137 11.7	9.6	14.4
54 10.2	7.9	11.9
68 7.0	4.8	7.2

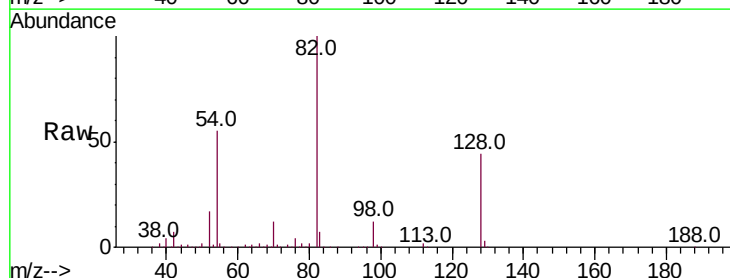


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

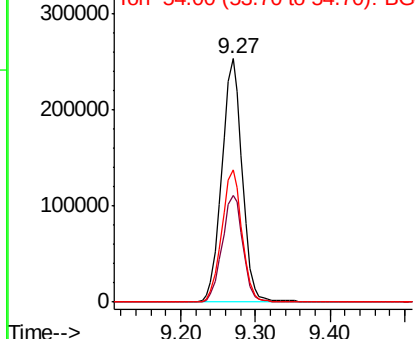
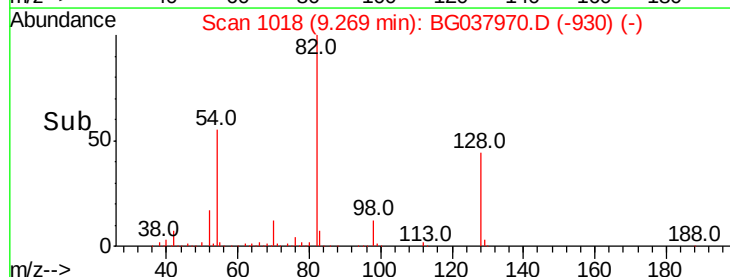


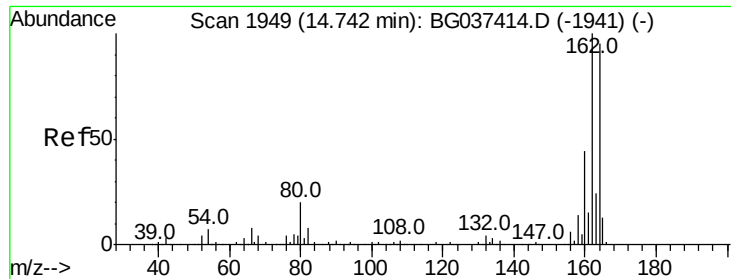
#23
Nitrobenzene-d5
Concen: 102.754 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037970.D
Acq: 13 Nov 2018 7:54

Tgt Ion: 82	Resp: 481805
Ion Ratio	Lower Upper
82 100	
128 43.9	34.6 51.8
54 54.6	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

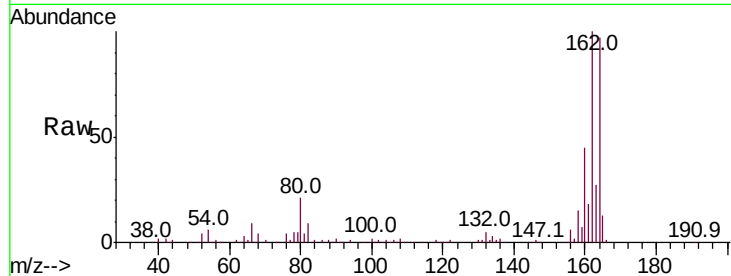




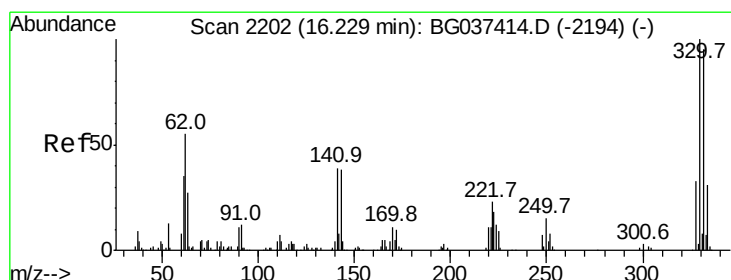
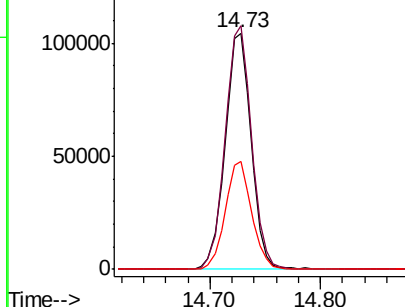
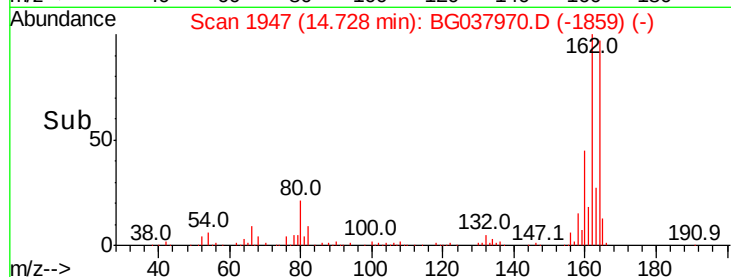
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG037970.D
Acq: 13 Nov 2018 7:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.3	121.9
160	45.8	36.3	54.5

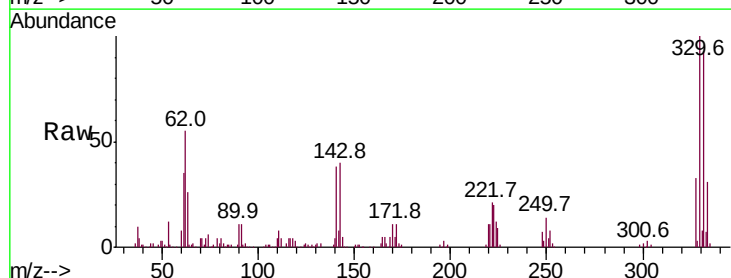


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

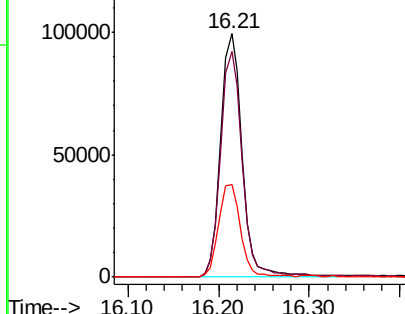
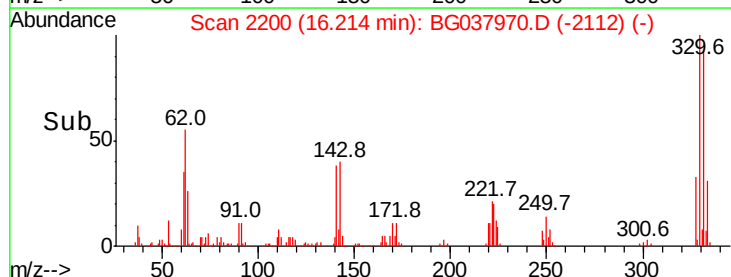


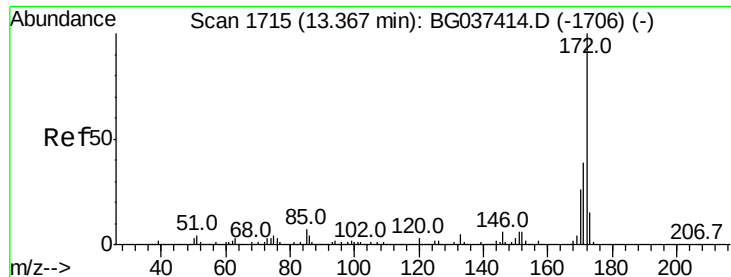
#42
2,4,6-Tribromophenol
Concen: 87.397 ng
RT: 16.21 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BG037970.D
Acq: 13 Nov 2018 7:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.2	78.4	117.6
141	38.8	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

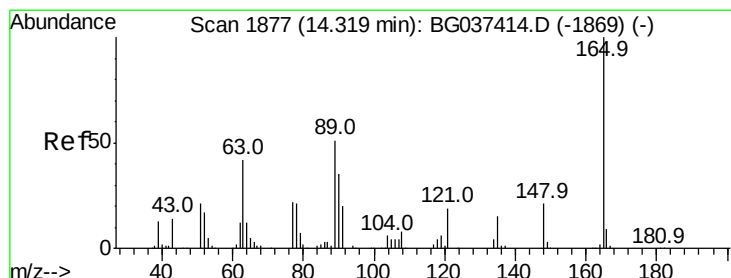
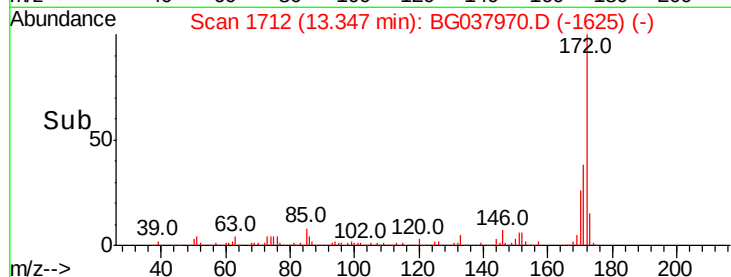
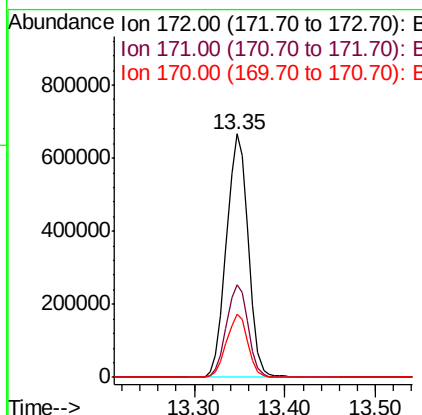
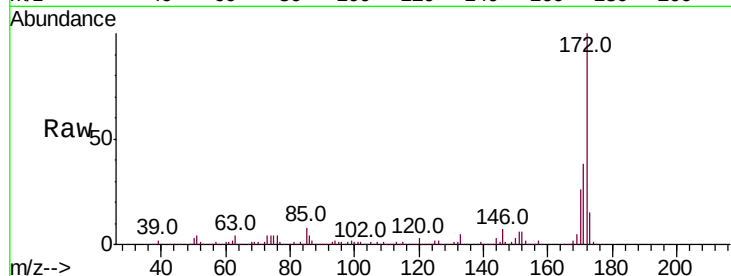




#45
2-Fluorobiphenyl
Concen: 97.947 ng
RT: 13.35 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BG037970.D
Acq: 13 Nov 2018 7:54

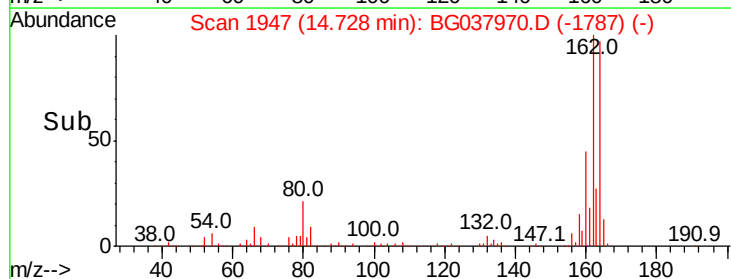
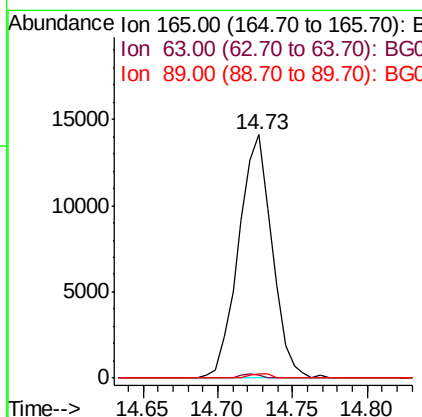
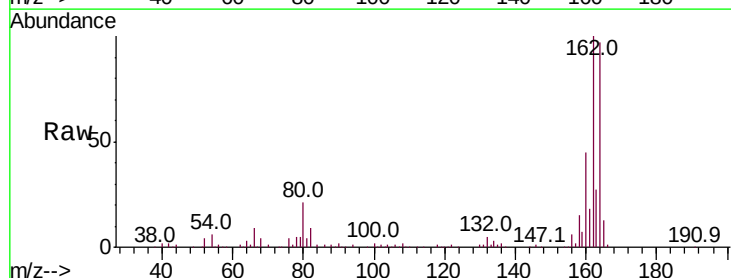
Instrument :
BNA_G
ClientSampleId :

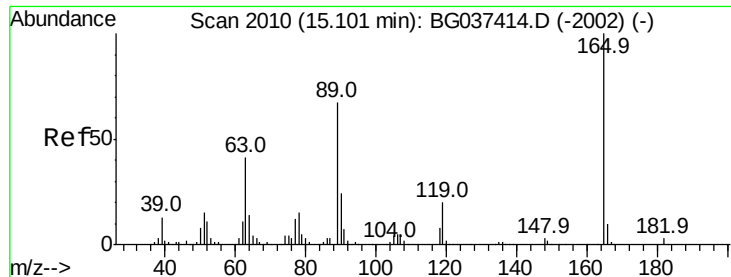
Tot Ion:172 Resp: 1117897
Ion Ratio Lower Upper
172 100
171 38.2 31.0 46.4
170 25.7 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 7.447 ng
RT: 14.73 min Scan# 1947
Delta R.T. 0.41 min
Lab File: BG037970.D
Acq: 13 Nov 2018 7:54

Tgt Ion:165 Resp: 21934
Ion Ratio Lower Upper
165 100
63 1.1 43.4 65.2#
89 2.0 45.8 68.6#

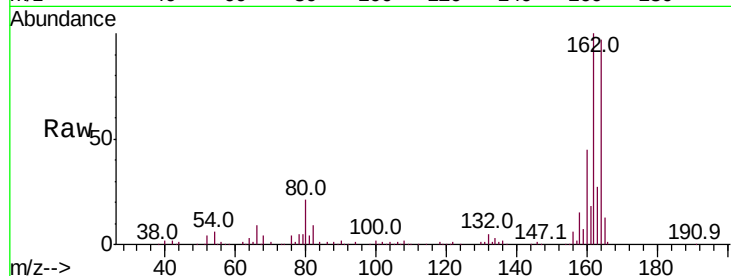




#57
 2,4-Dinitrotoluene
 Concen: 5.673 ng
 RT: 14.73 min Scan# 1947
 Delta R.T. -0.37 min
 Lab File: BG037970.D
 Acq: 13 Nov 2018 7:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.4	50.0#
89	2.0	57.2	85.8#
182	0.0	2.6	4.0#

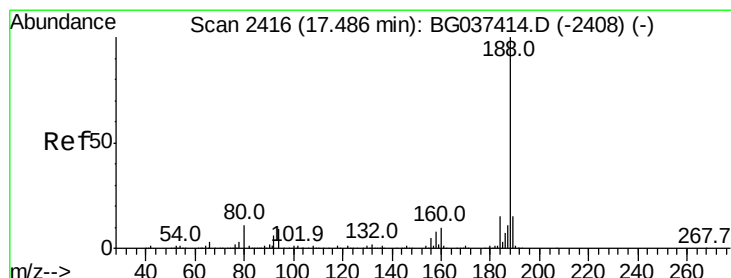
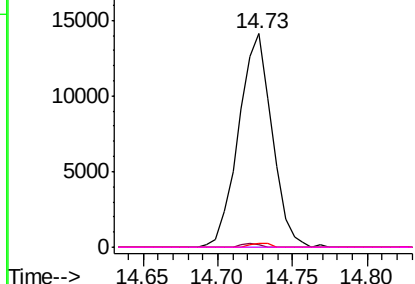
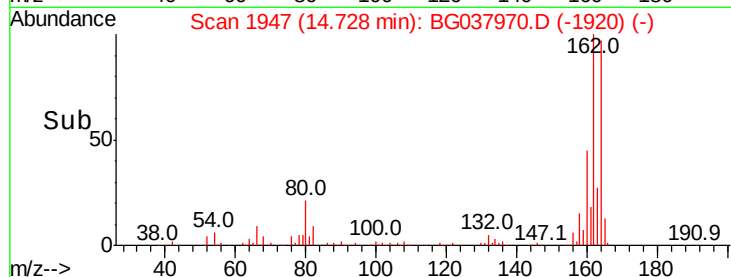


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

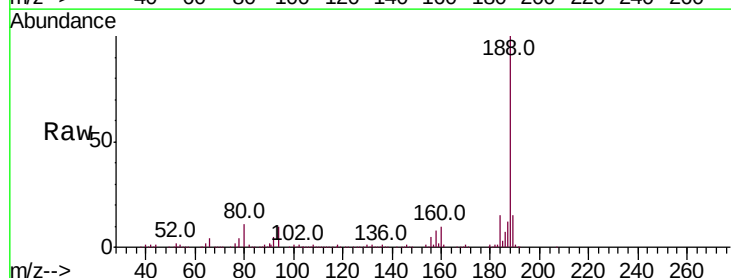
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG037970.D
 Acq: 13 Nov 2018 7:54

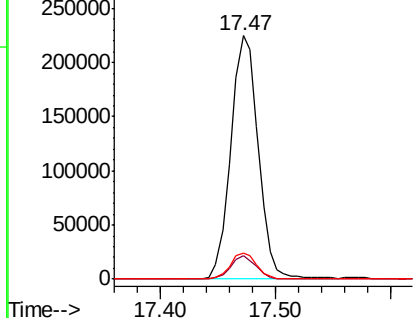
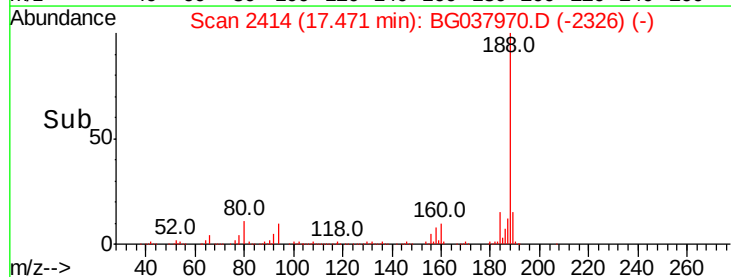
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.5	7.7	11.5

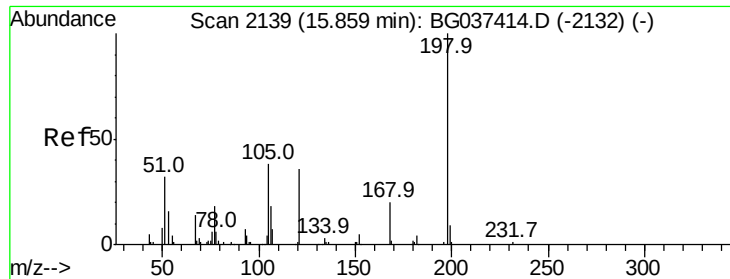


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

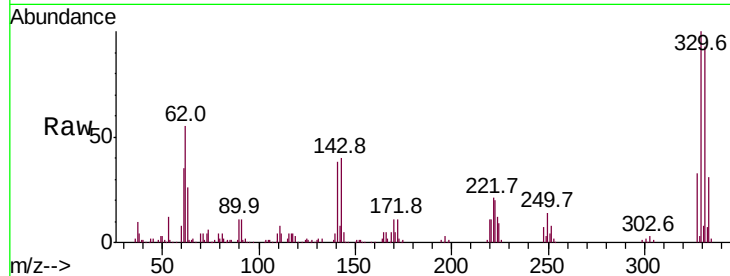




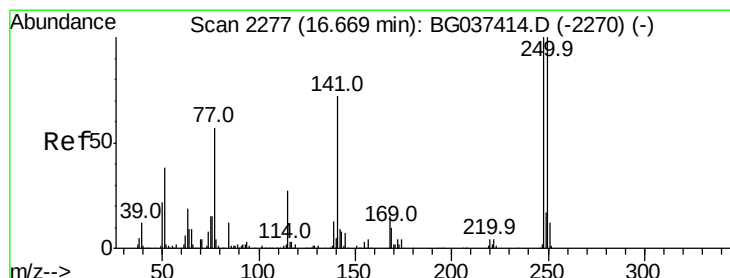
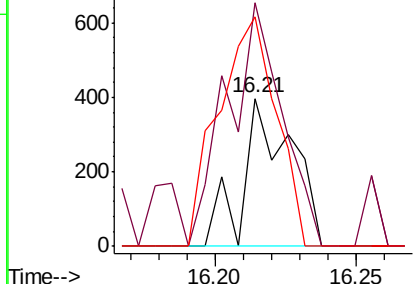
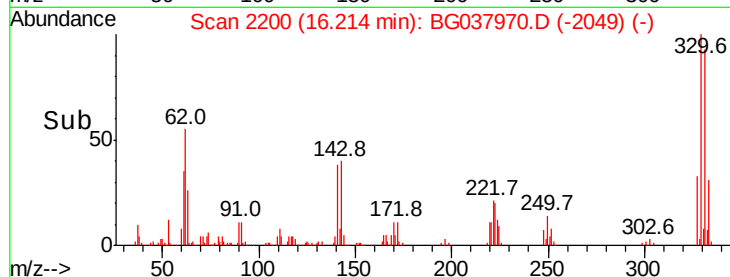
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.710 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. 0.36 min
 Lab File: BG037970.D
 Acq: 13 Nov 2018 7:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 476
 Ion Ratio Lower Upper
 198 100
 51 34.8 22.7 62.7
 105 32.8 19.7 59.7

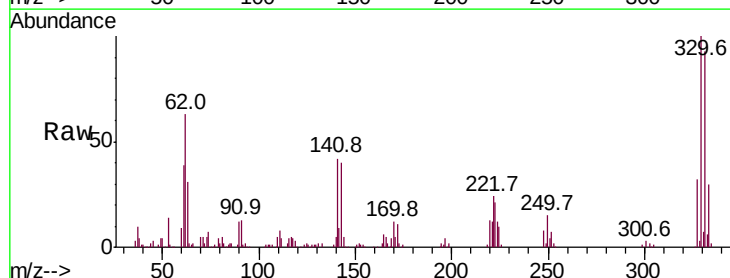


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

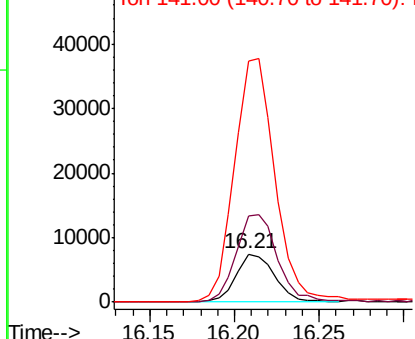
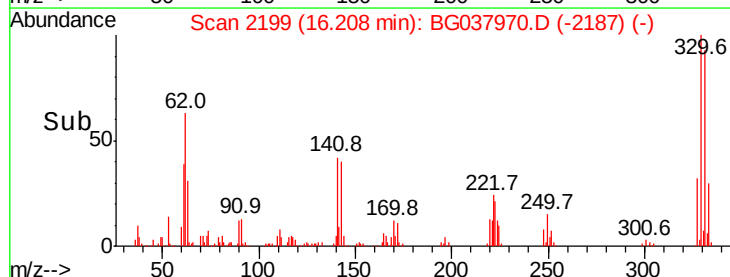


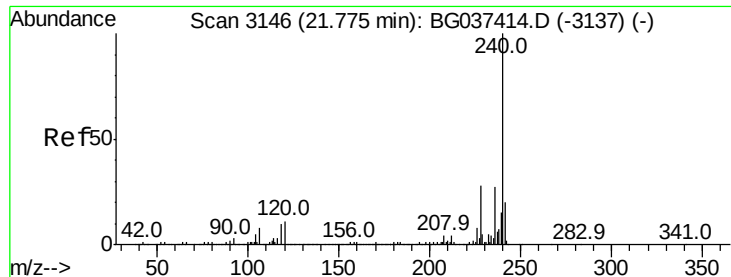
#67
 4-Bromophenyl-phenylether
 Concen: 2.917 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.46 min
 Lab File: BG037970.D
 Acq: 13 Nov 2018 7:54

Tgt Ion:248 Resp: 11833
 Ion Ratio Lower Upper
 248 100
 250 182.4 77.0 115.6#
 141 394.1 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

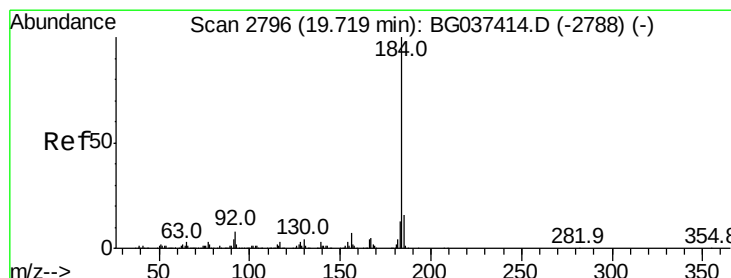
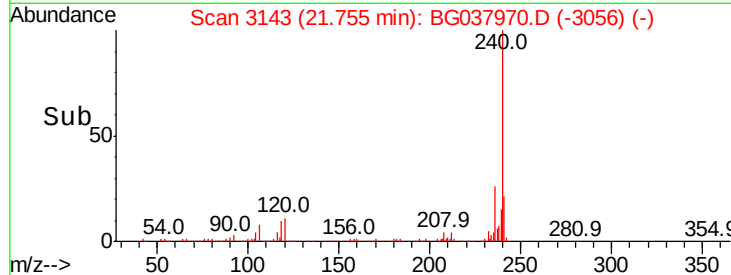
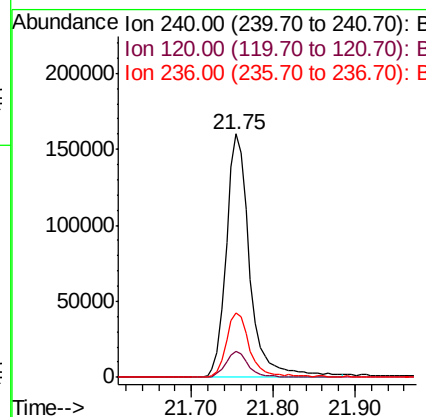
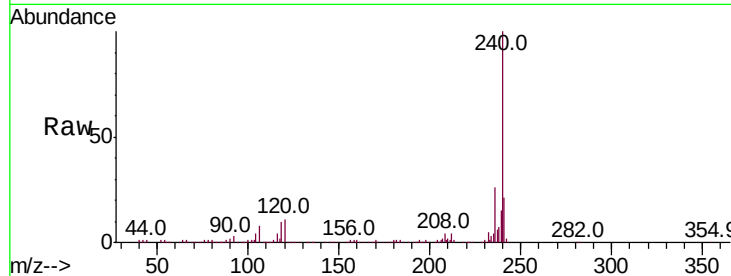




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3143
 Delta R.T. -0.02 min
 Lab File: BG037970.D
 Acq: 13 Nov 2018 7:54

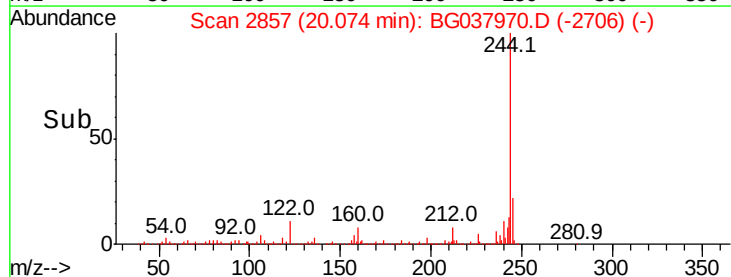
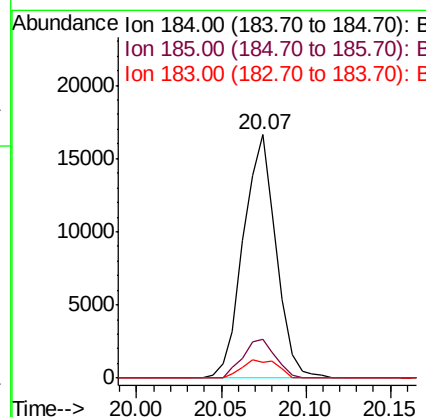
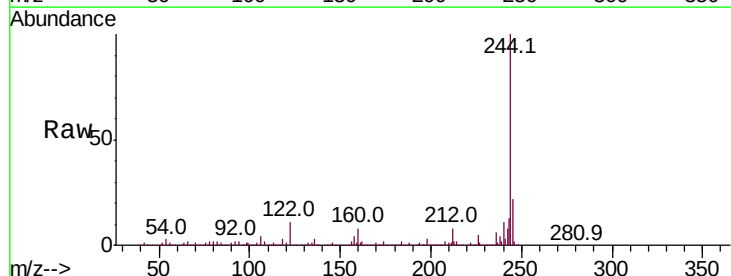
Instrument :
 BNA_G
 ClientSampleId :

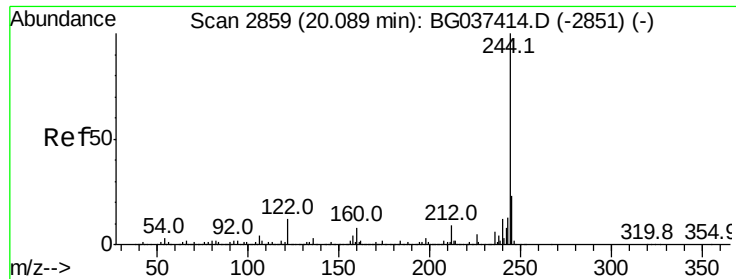
Tot Ion:240 Resp: 321567
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.1 12.1
 236 26.3 21.4 32.0



#77
 Benzidine
 Concen: 2.054 ng
 RT: 20.07 min Scan# 2857
 Delta R.T. 0.36 min
 Lab File: BG037970.D
 Acq: 13 Nov 2018 7:54

Tgt Ion:184 Resp: 22462
 Ion Ratio Lower Upper
 184 100
 185 15.8 12.6 18.8
 183 6.6 10.2 15.2#





#79

Terphenyl-d14

Concen: 89.604 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037970.D

Acq: 13 Nov 2018 7:54

Instrument :

BNA_G

ClientSampleId :

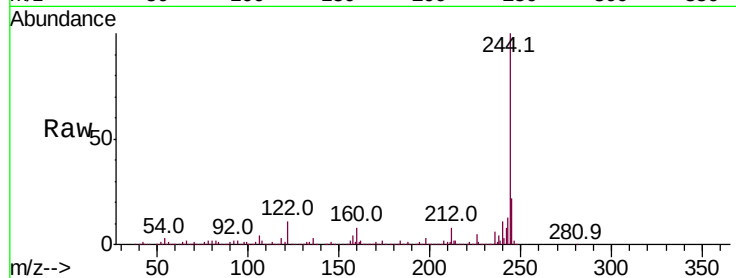
Tot Ion:244 Resp: 1348468

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	10.9	9.0	13.4

244 100

212 8.1 6.5 9.7

122 10.9 9.0 13.4

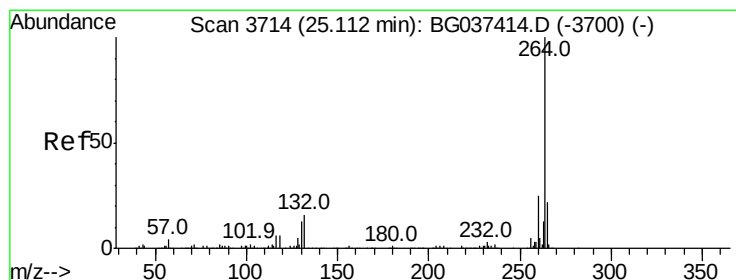
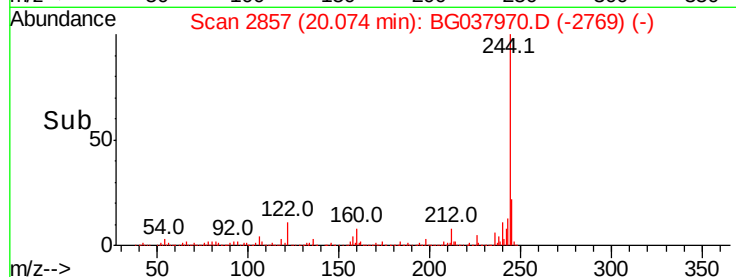
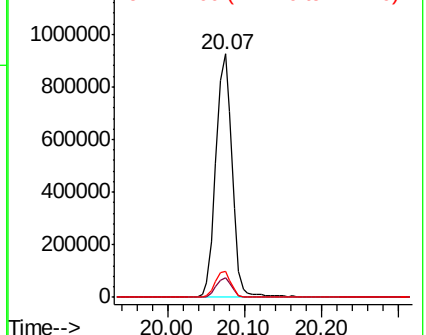


Abundance

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: 25.09 min Scan# 3710

Delta R.T. -0.03 min

Lab File: BG037970.D

Acq: 13 Nov 2018 7:54

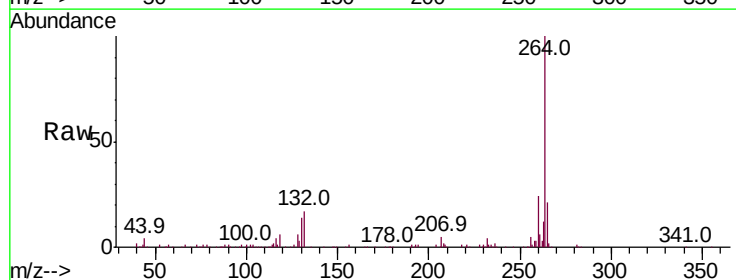
Tgt Ion:264 Resp: 272701

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	20.9	17.9	26.9

264 100

260 24.1 18.2 27.4

265 20.9 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

