

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111218\
 Data File : BG037971.D
 Acq On : 13 Nov 2018 8:33
 Operator : JU/SJ
 Sample : J5904-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 13 11:38:31 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

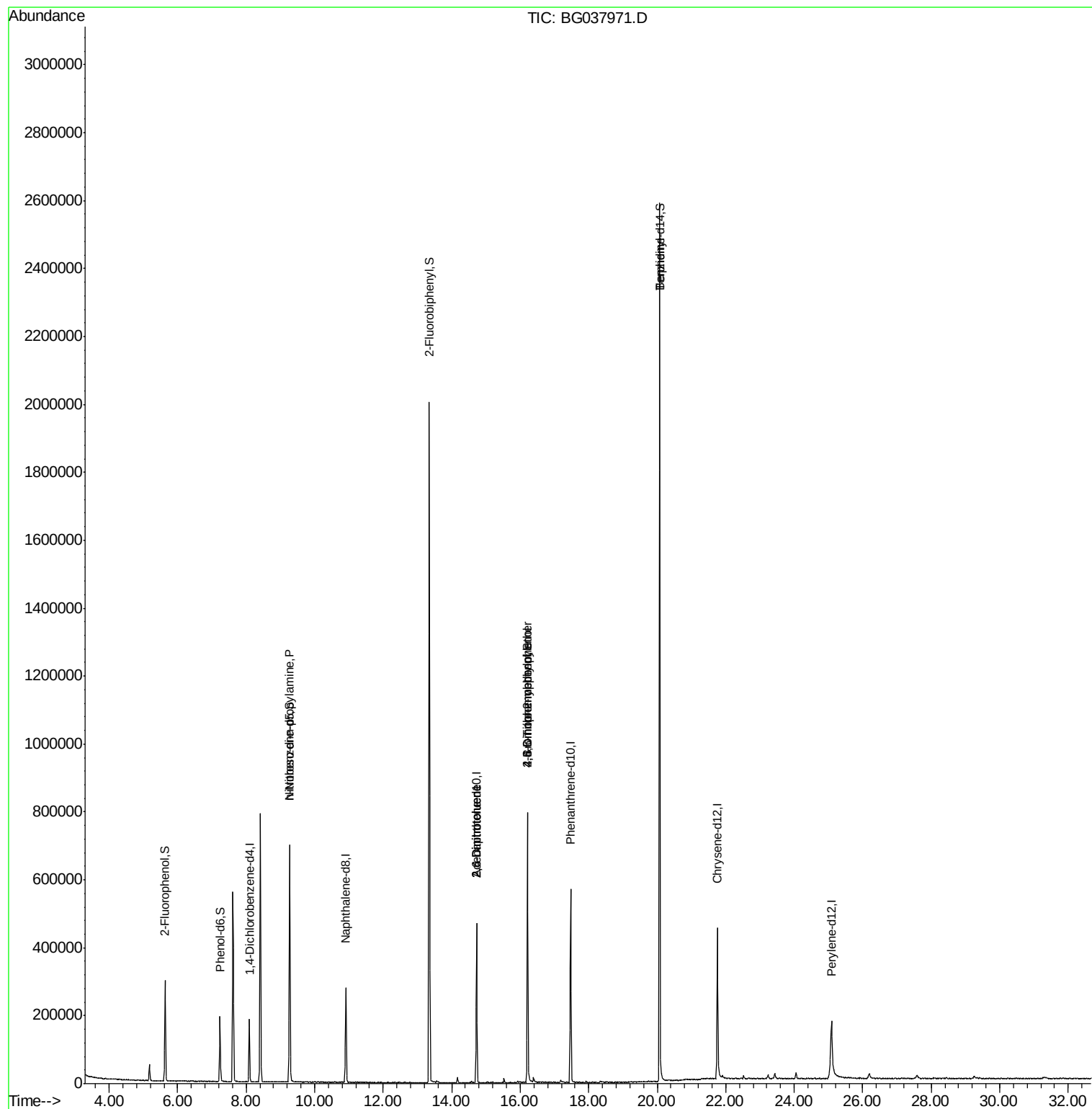
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	55772	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	257416	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	169883	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	360985	20.00	ng	-0.01
76) Chrysene-d12	21.76	240	310091	20.00	ng	-0.02
87) Perylene-d12	25.09	264	275124	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	139448	41.80	ng	-0.01
7) Phenol-d6	7.23	99	122776	24.34	ng	-0.02
23) Nitrobenzene-d5	9.27	82	458246	99.72	ng	-0.01
42) 2,4,6-Tribromophenol	16.22	330	155305	83.82	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	1079587	95.83	ng	-0.02
79) Terphenyl-d14	20.07	244	1290070	88.90	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	59298	17.071	ng	# 70
51) 2,6-Dinitrotoluene	14.72	165	21890	7.529	ng	# 25
57) 2,4-Dinitrotoluene	14.72	165	21890	5.736	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	362	8.665	ng	# 70
67) 4-Bromophenyl-phenylether	16.21	248	11483	2.897	ng	# 1
77) Benzidine	20.07	184	21553	2.044	ng	# 91

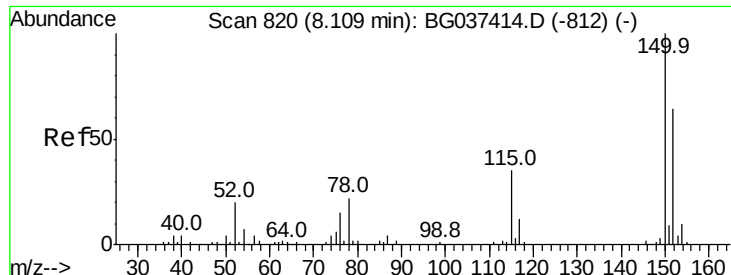
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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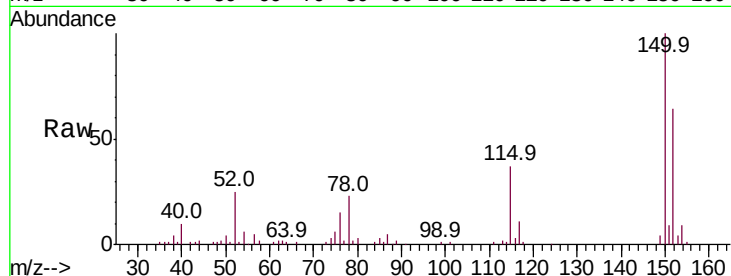


#1

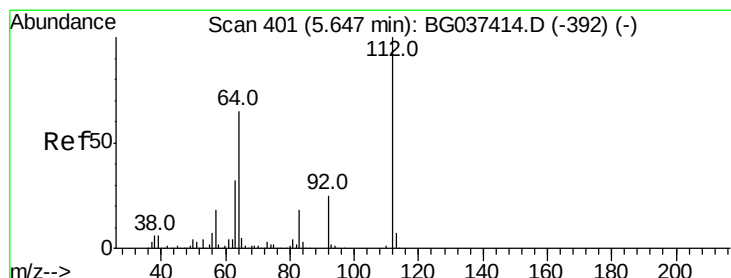
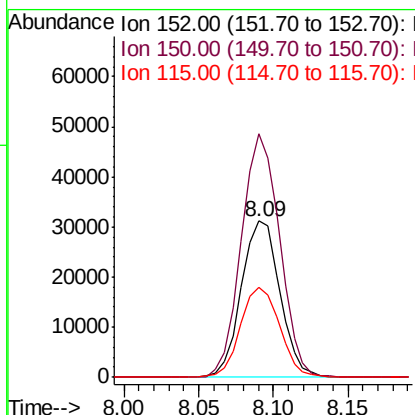
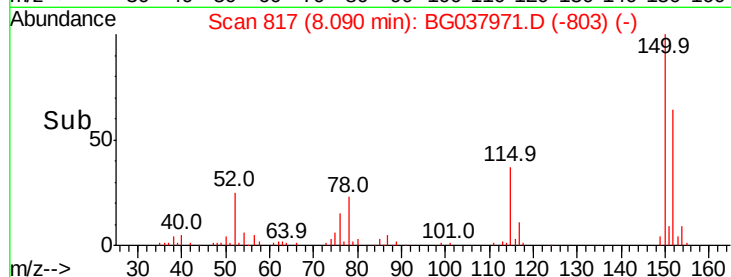
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG037971.D
Acq: 13 Nov 2018 8:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55772
Ion Ratio Lower Upper
152 100
150 155.7 126.0 189.0
115 57.9 45.5 68.3



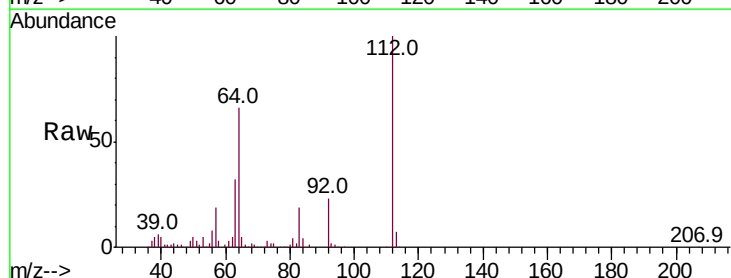
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



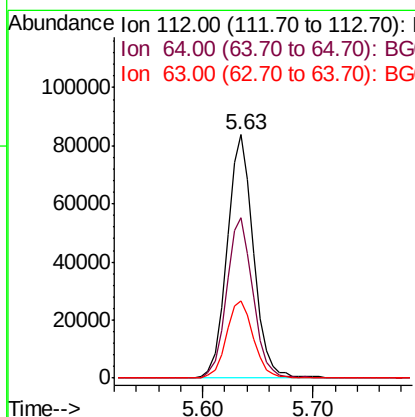
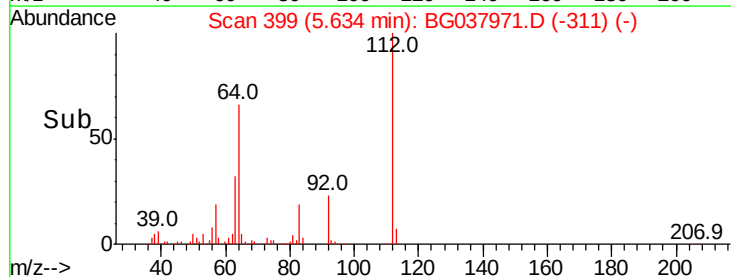
#5

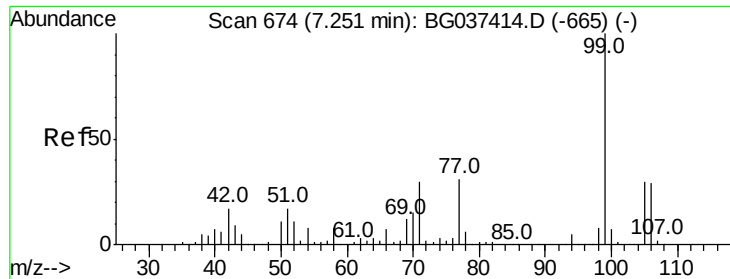
2-Fluorophenol
Concen: 41.802 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037971.D
Acq: 13 Nov 2018 8:33

Tgt Ion:112 Resp: 139448
Ion Ratio Lower Upper
112 100
64 65.8 53.1 79.7
63 31.5 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: 24.339 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.02 min

Lab File: BG037971.D

Acq: 13 Nov 2018 8:33

Instrument :

BNA_G

ClientSampleId :

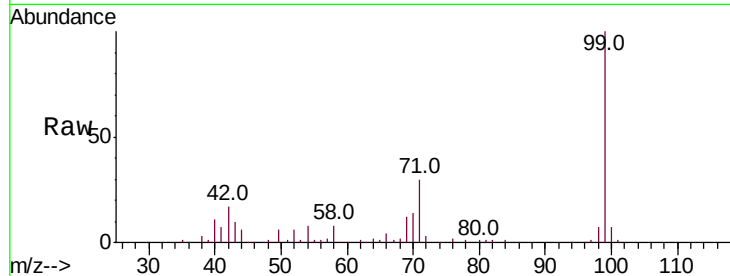
Tot Ion: 99 Resp: 122776

Ion Ratio Lower Upper

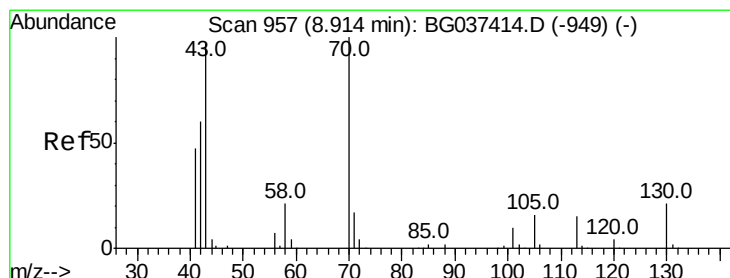
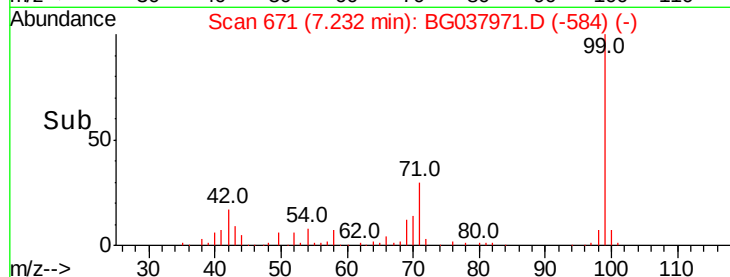
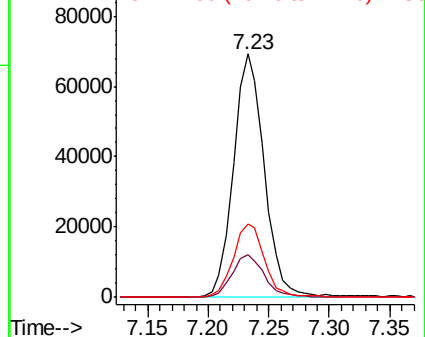
99 100

42 17.5 15.0 22.4

71 29.9 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: 17.071 ng

RT: 9.27 min Scan# 1018

Delta R.T. 0.36 min

Lab File: BG037971.D

Acq: 13 Nov 2018 8:33

Tgt Ion: 70 Resp: 59298

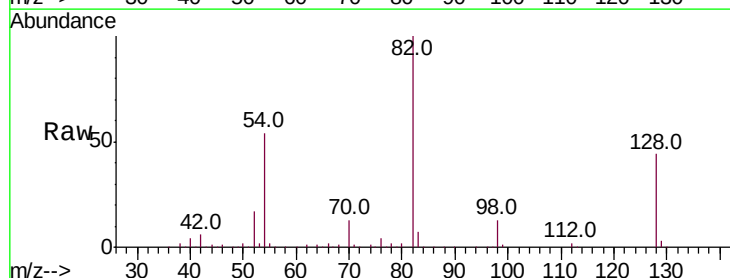
Ion Ratio Lower Upper

70 100

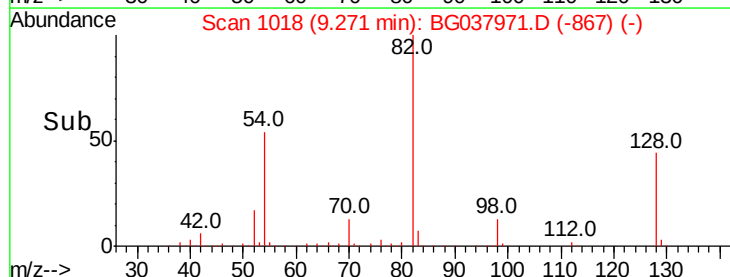
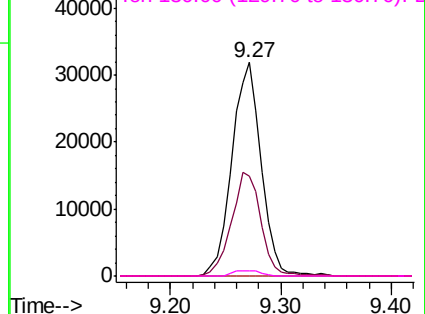
42 46.7 53.9 80.9#

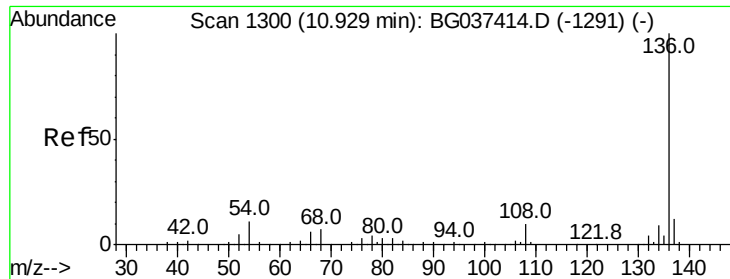
101 0.0 8.2 12.2#

130 2.1 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

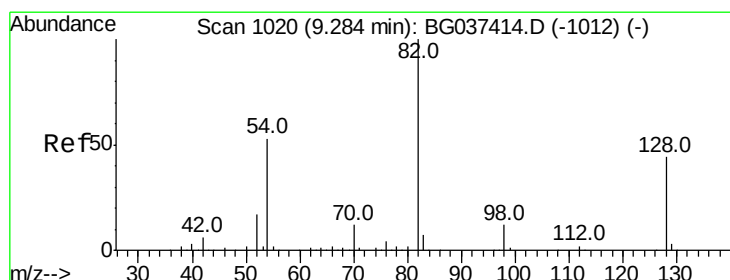
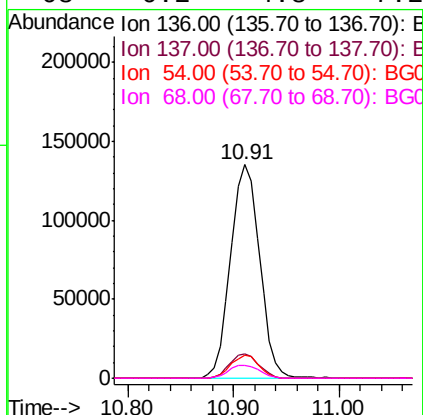
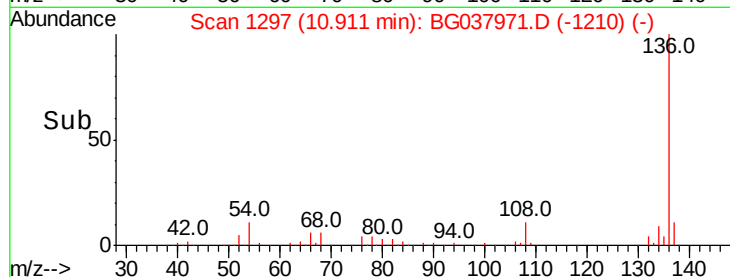
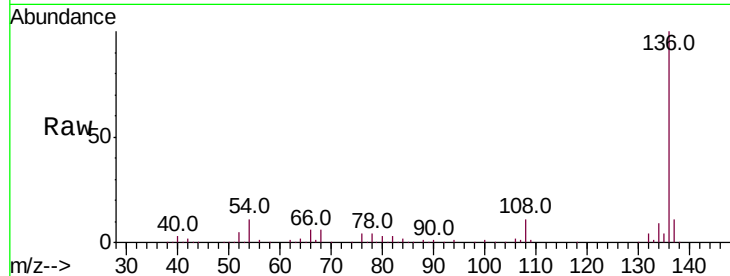




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BG037971.D
Acq: 13 Nov 2018 8:33

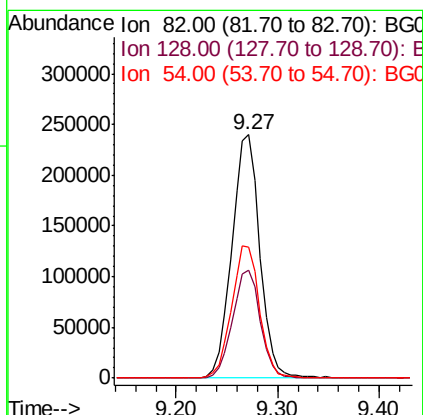
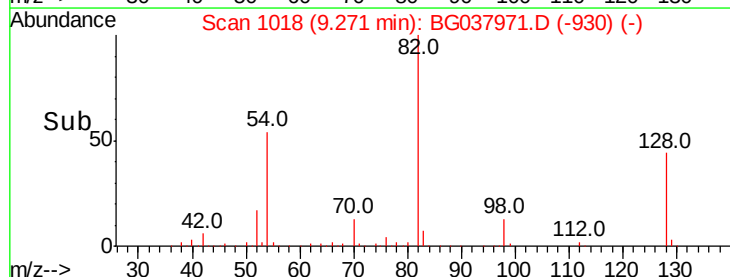
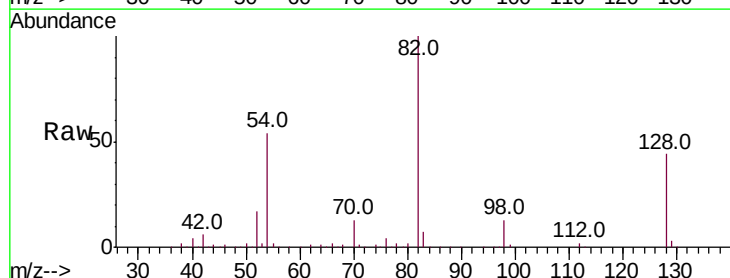
Instrument :
BNA_G
ClientSampleId :

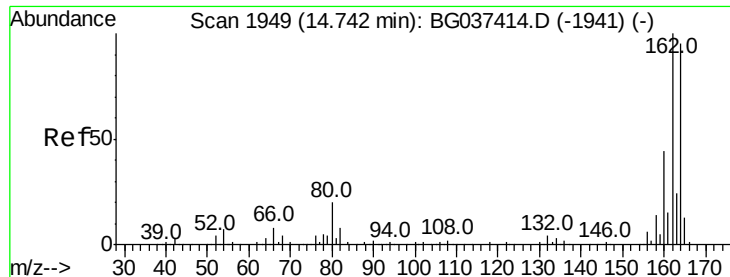
Tot Ion:136	Resp:	257416
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.6 14.4
54	10.5	7.9 11.9
68	6.2	4.8 7.2



#23
Nitrobenzene-d5
Concen: 99.724 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037971.D
Acq: 13 Nov 2018 8:33

Tgt Ion: 82	Resp:	458246
Ion	Ratio	Lower Upper
82	100	
128	44.2	34.6 51.8
54	53.8	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG037971.D

Acq: 13 Nov 2018 8:33

Instrument :

BNA_G

ClientSampled :

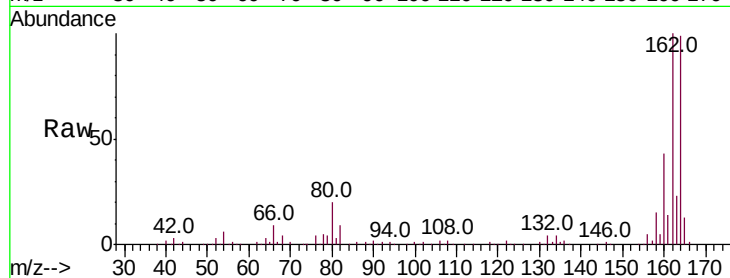
Tot Ion:164 Resp: 169883

Ion Ratio Lower Upper

164 100

162 101.1 81.3 121.9

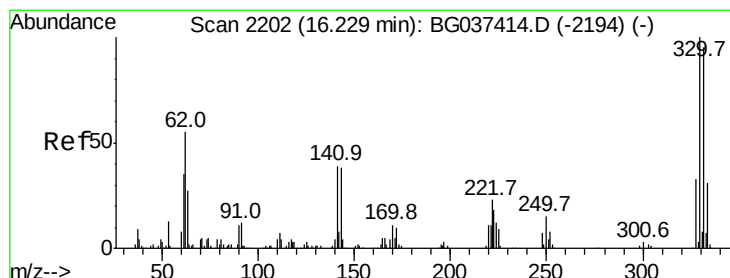
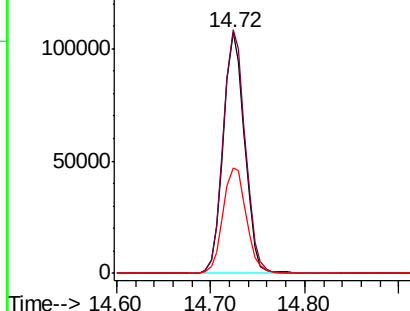
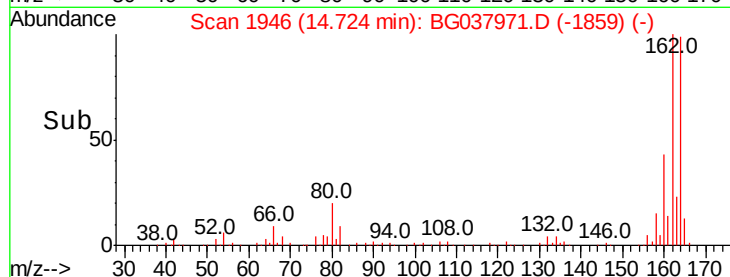
160 43.9 36.3 54.5



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: 83.817 ng

RT: 16.22 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037971.D

Acq: 13 Nov 2018 8:33

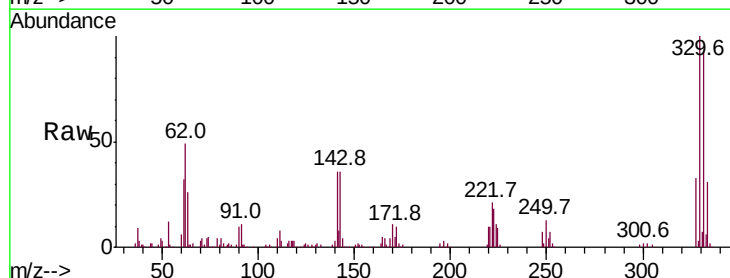
Tgt Ion:330 Resp: 155305

Ion Ratio Lower Upper

330 100

332 94.3 78.4 117.6

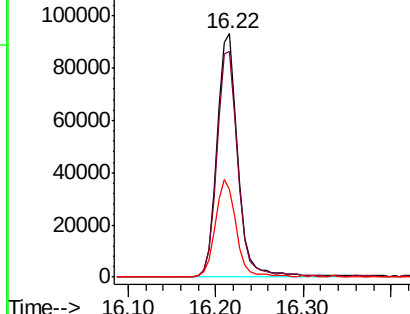
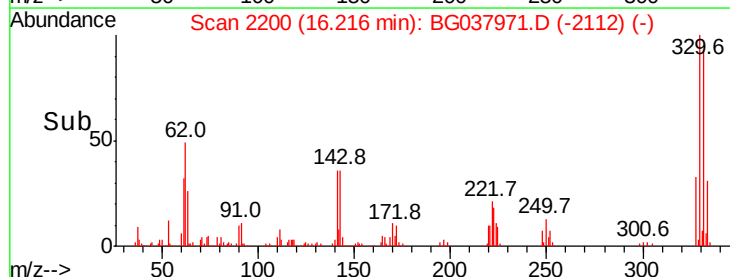
141 39.7 32.2 48.2

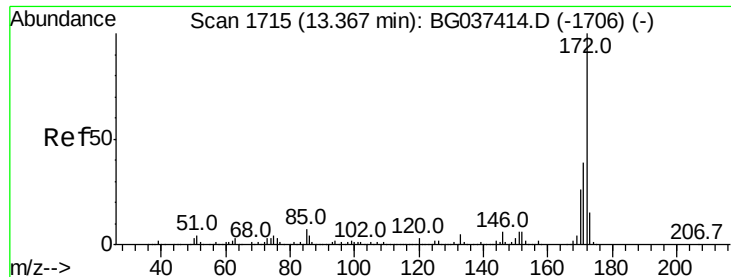


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



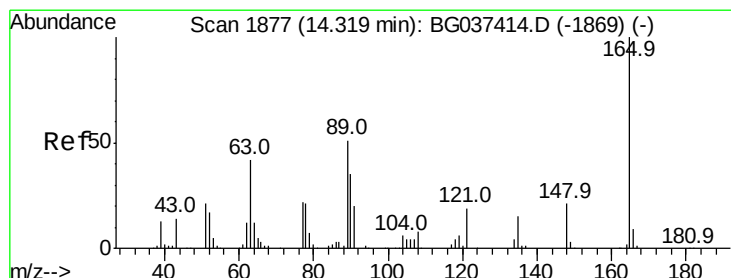
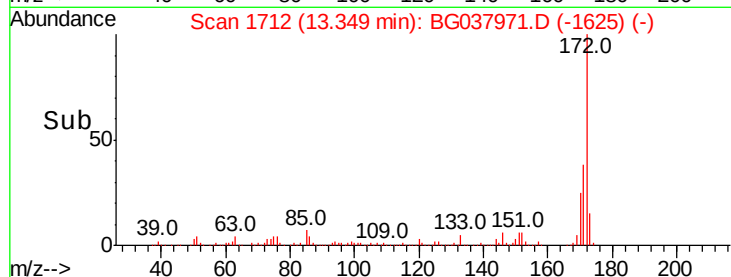
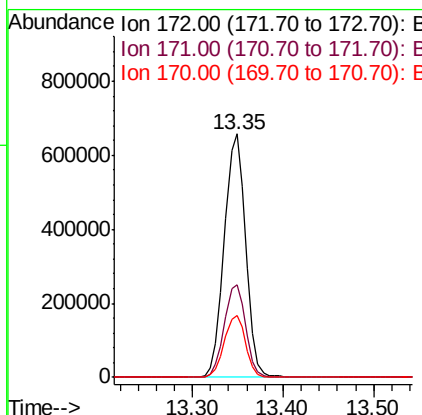
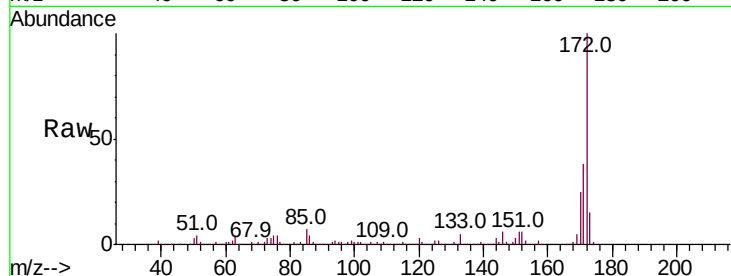


#45
 2-Fluorobiphenyl
 Concen: 95.828 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037971.D
 Acq: 13 Nov 2018 8:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1079587

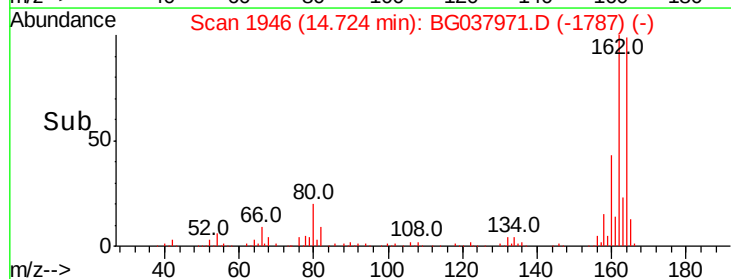
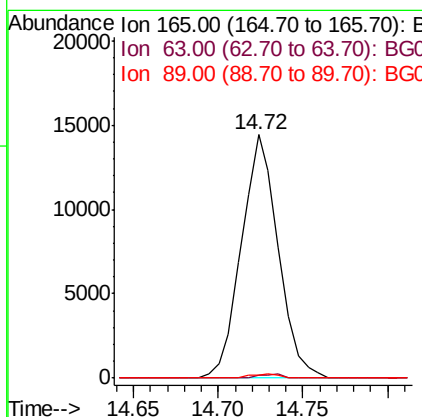
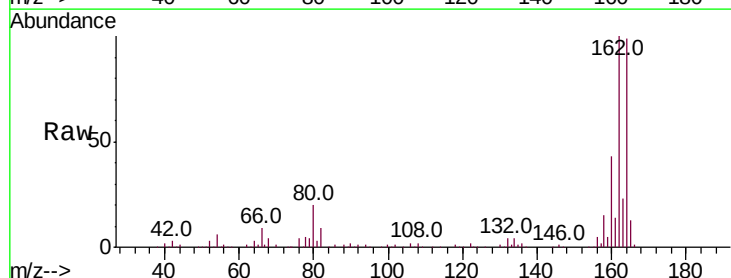
Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.0	46.4
170	25.3	20.2	30.2

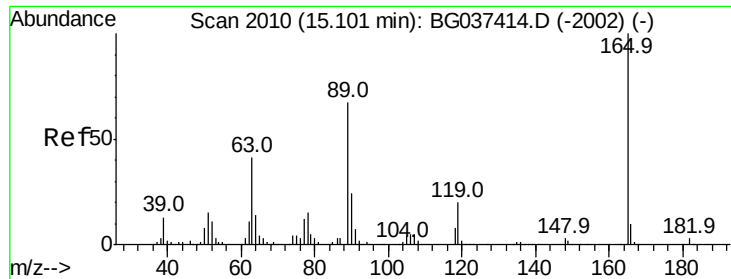


#51
 2,6-Dinitrotoluene
 Concen: 7.529 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. 0.40 min
 Lab File: BG037971.D
 Acq: 13 Nov 2018 8:33

Tgt Ion:165 Resp: 21890

Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.4	65.2#
89	1.3	45.8	68.6#

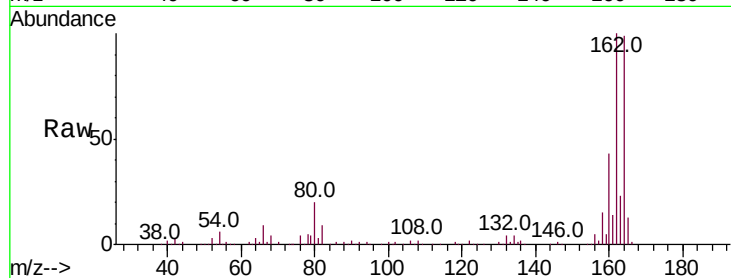




#57
 2,4-Dinitrotoluene
 Concen: 5.736 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.38 min
 Lab File: BG037971.D
 Acq: 13 Nov 2018 8:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.4	50.0#
89	1.3	57.2	85.8#
182	0.0	2.6	4.0#

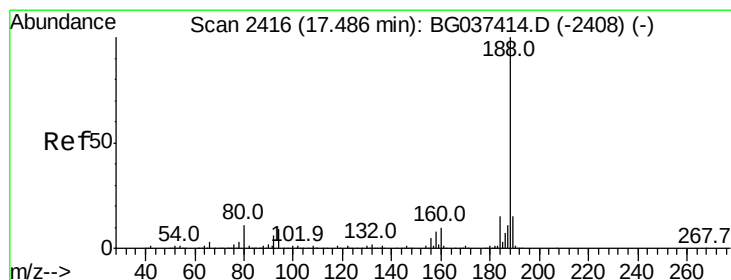
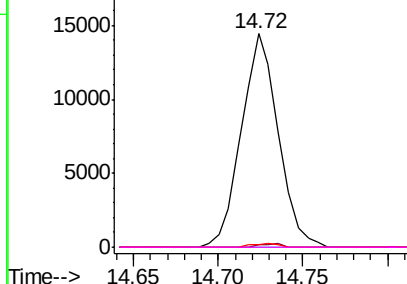
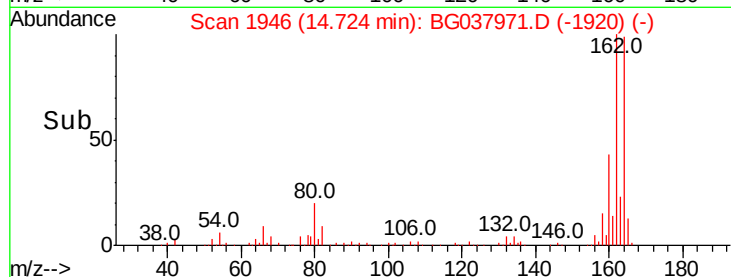


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

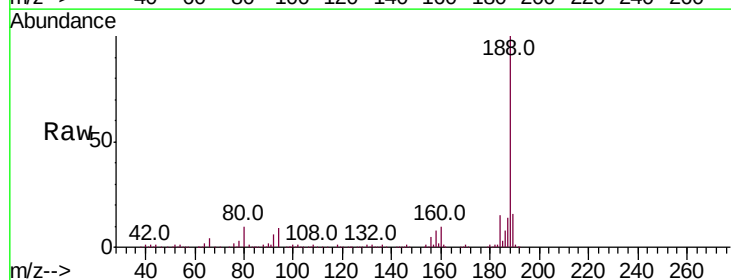
Ion 89.00 (88.70 to 89.70): BGC

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: BG037971.D
 Acq: 13 Nov 2018 8:33

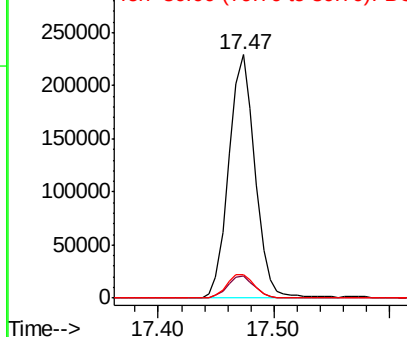
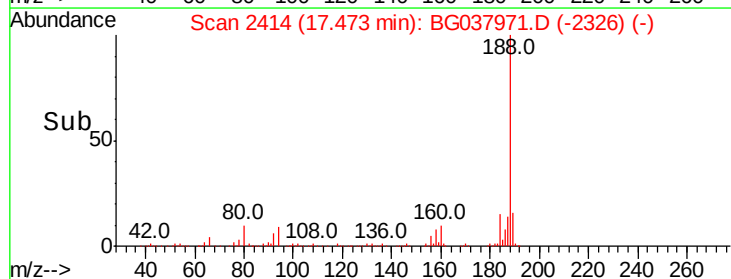
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.6	7.7	11.5

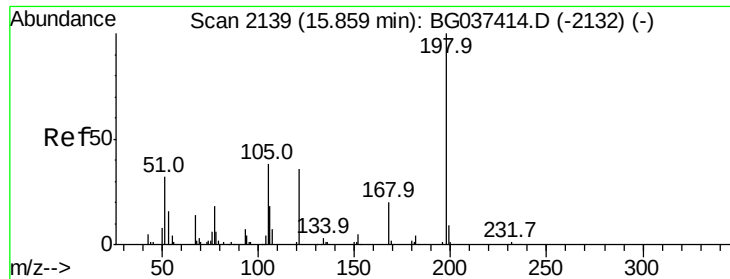


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

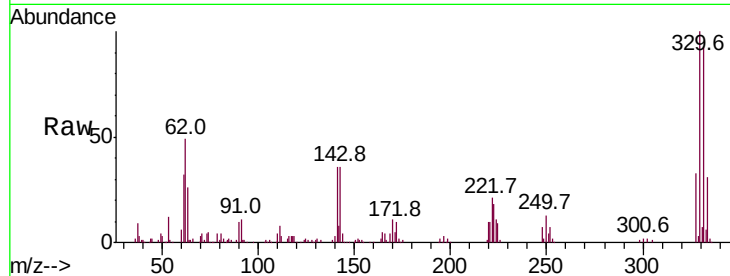




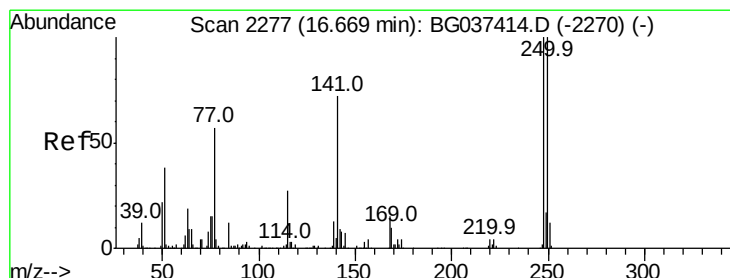
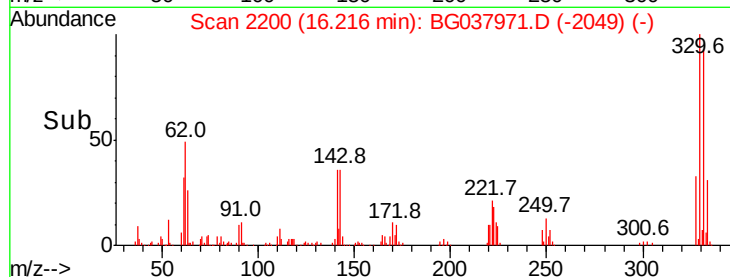
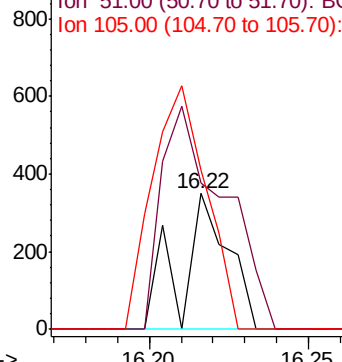
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.665 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. 0.36 min
 Lab File: BG037971.D
 Acq: 13 Nov 2018 8:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 362
 Ion Ratio Lower Upper
 198 100
 51 21.5 22.7 62.7#
 105 23.4 19.7 59.7

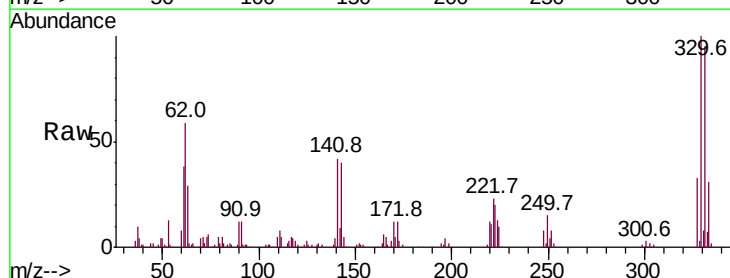


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

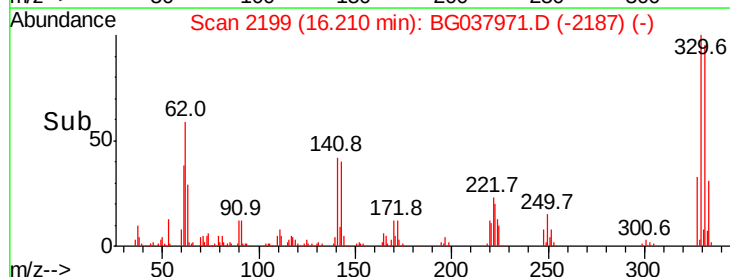
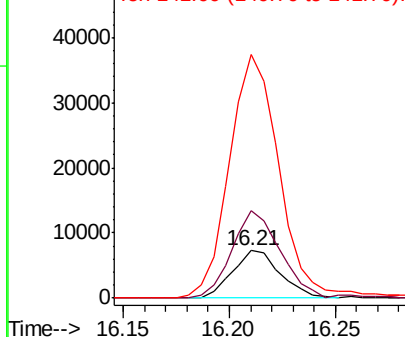


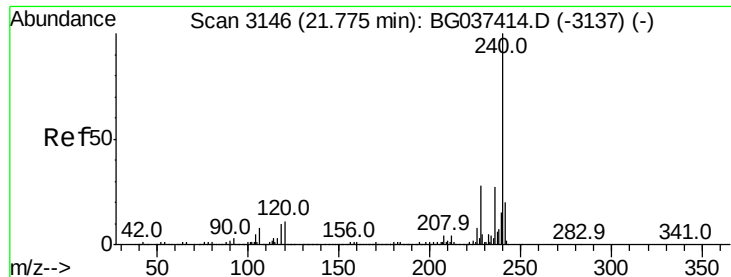
#67
 4-Bromophenyl-phenylether
 Concen: 2.897 ng
 RT: 16.21 min Scan# 2199
 Delta R.T. -0.46 min
 Lab File: BG037971.D
 Acq: 13 Nov 2018 8:33

Tgt Ion:248 Resp: 11483
 Ion Ratio Lower Upper
 248 100
 250 183.3 77.0 115.6#
 141 396.3 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

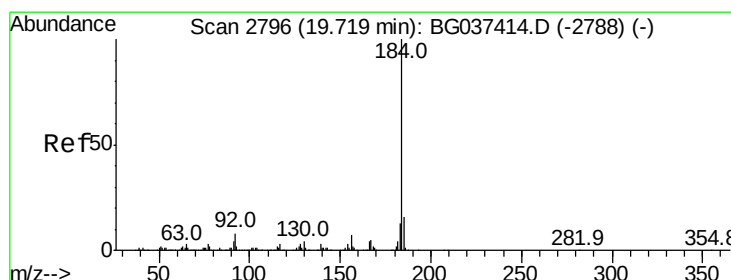
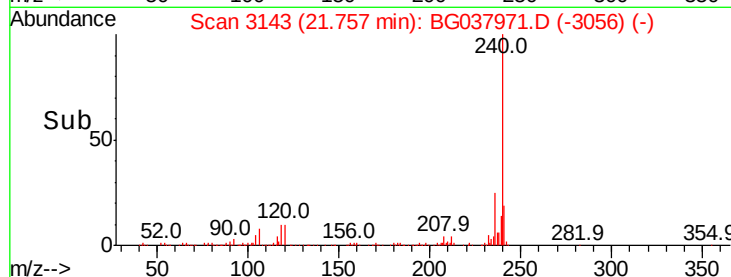
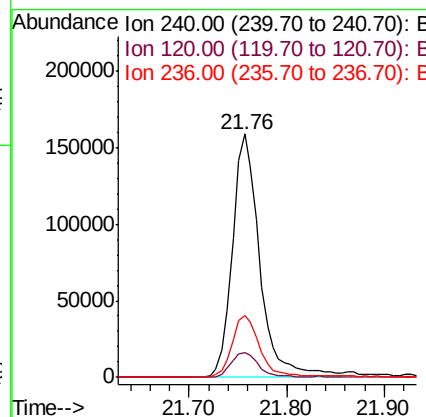
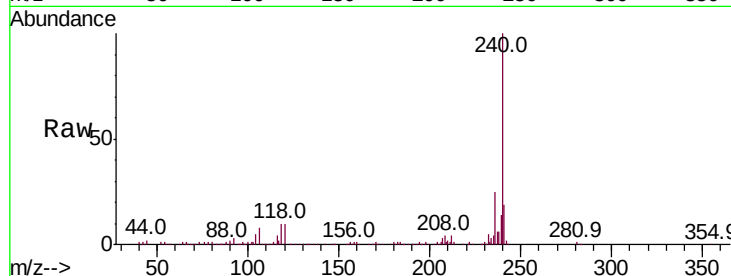




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3143
 Delta R.T. -0.02 min
 Lab File: BG037971.D
 Acq: 13 Nov 2018 8:33

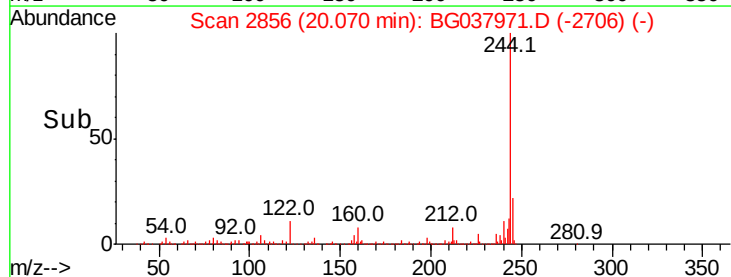
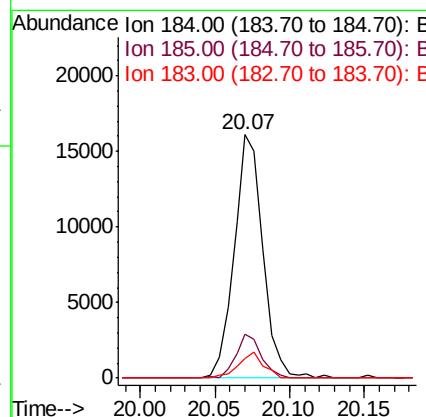
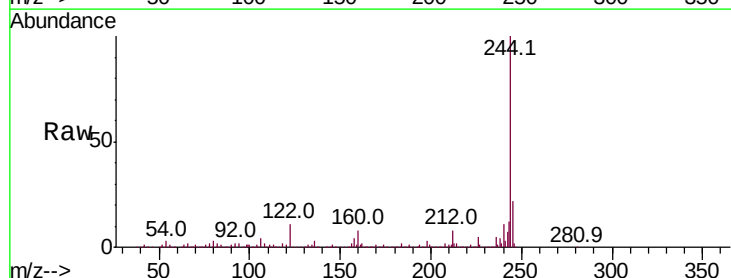
Instrument :
 BNA_G
 ClientSampleId :

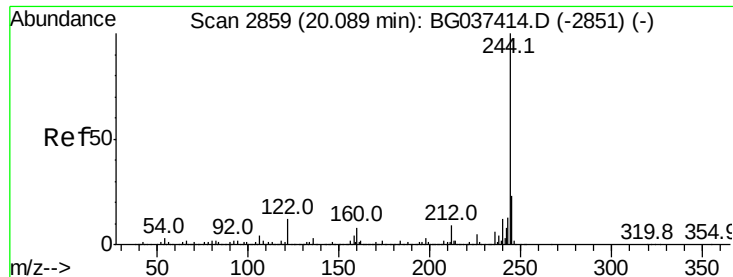
Tot Ion:240 Resp: 310091
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.1 12.1
 236 25.3 21.4 32.0



#77
 Benzidine
 Concen: 2.044 ng
 RT: 20.07 min Scan# 2856
 Delta R.T. 0.35 min
 Lab File: BG037971.D
 Acq: 13 Nov 2018 8:33

Tgt Ion:184 Resp: 21553
 Ion Ratio Lower Upper
 184 100
 185 18.2 12.6 18.8
 183 8.0 10.2 15.2#





#79

Terphenyl-d14

Concen: 88.896 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG037971.D

Acq: 13 Nov 2018 8:33

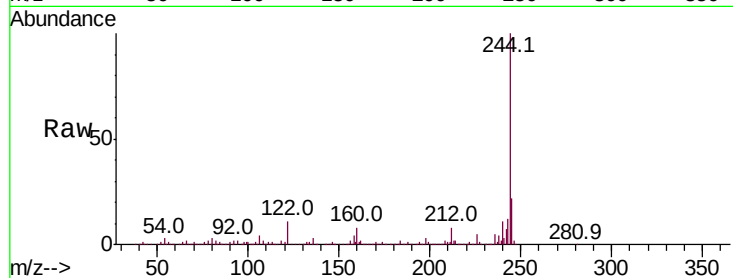
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1290070

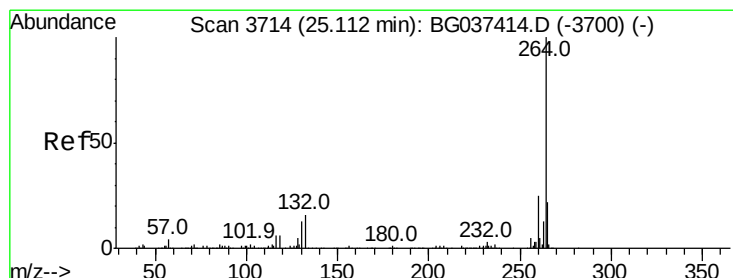
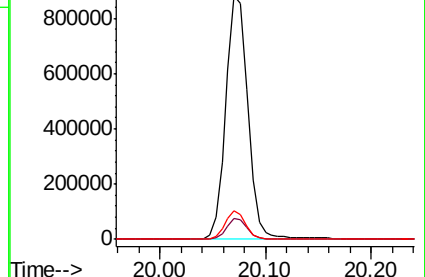
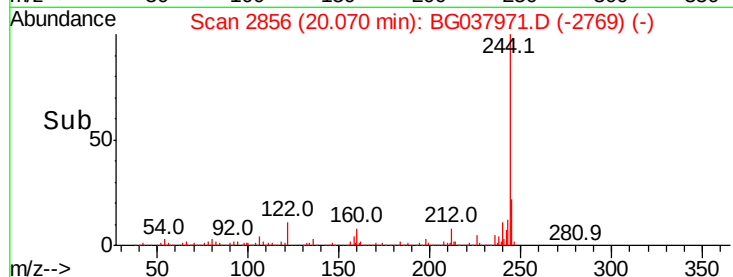
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.5	9.7
122	11.5	9.0	13.4



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

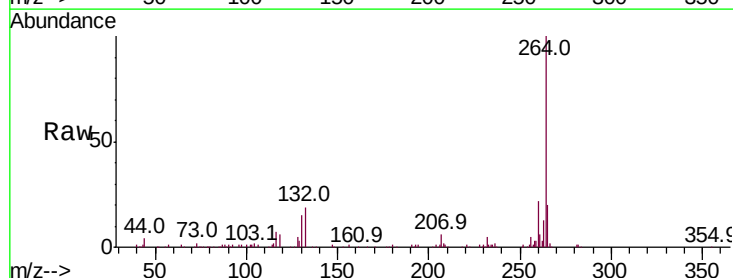
Delta R.T. -0.02 min

Lab File: BG037971.D

Acq: 13 Nov 2018 8:33

Tgt Ion:264 Resp: 275124

Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.4
265	20.1	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

