

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037313.D
 Acq On : 13 Oct 2018 6:06
 Operator : JU/SJ
 Sample : J5383-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 02:14:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 13:59:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	59857	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	242387	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	162702	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	429859	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	427159	20.00	ng	-0.01
87) Perylene-d12	25.13	264	418190	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	158070	46.48	ng	0.00
7) Phenol-d6	7.25	99	139139	26.95	ng	0.00
23) Nitrobenzene-d5	9.29	82	456030	123.69	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	195520	122.53	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1113217	102.75	ng	0.00
79) Terphenyl-d14	20.10	244	1892538	93.03	ng	0.00

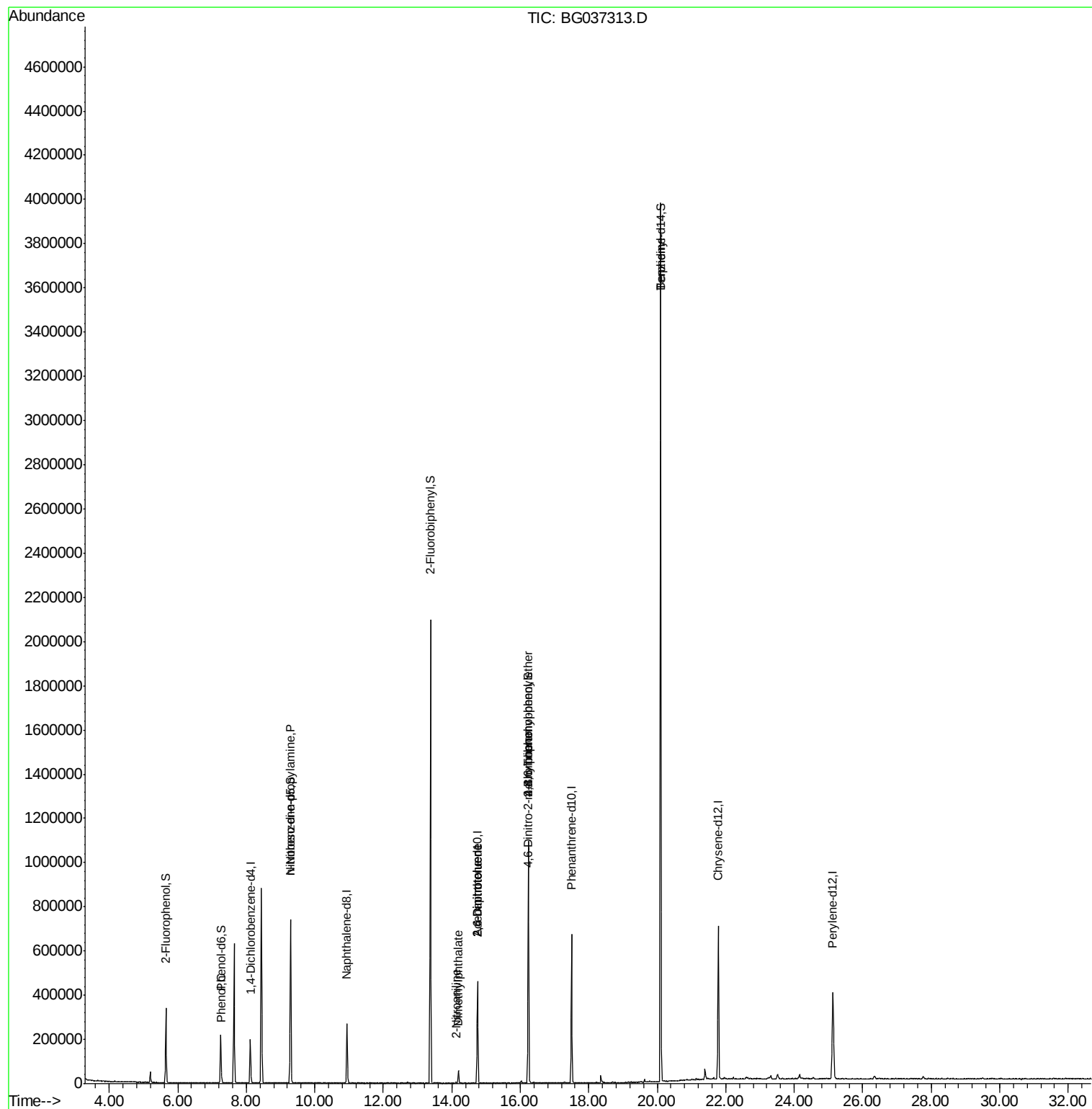
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.28	94	15599	2.869	ng	95
19) n-Nitroso-di-n-propylamine	9.29	70	57572	14.730	ng	# 71
48) 2-Nitroaniline	14.13	65	59	5.774	ng	# 7
50) Dimethylphthalate	14.19	163	40062	3.133	ng	# 98
51) 2,6-Dinitrotoluene	14.75	165	21535	12.612	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	21535	11.422	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	821	6.480	ng	98
67) 4-Bromophenyl-phenylether	16.23	248	14560	3.138	ng	# 1
77) Benzidine	20.10	184	33121	2.027	ng	# 90

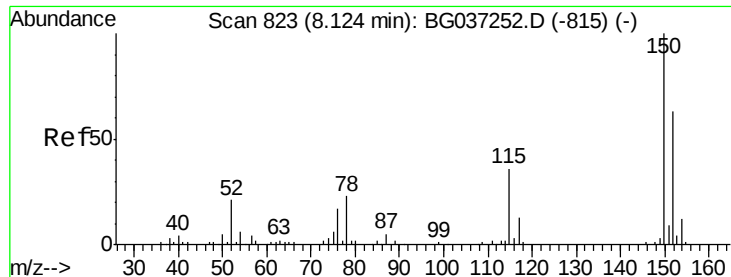
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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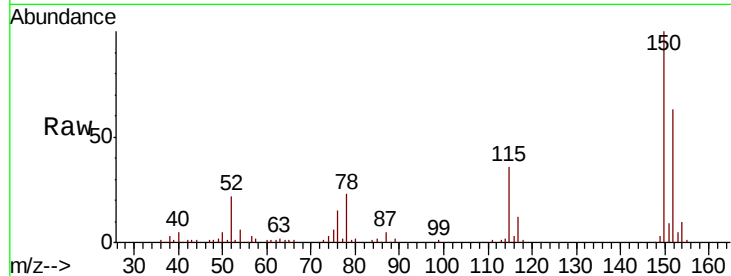


#1

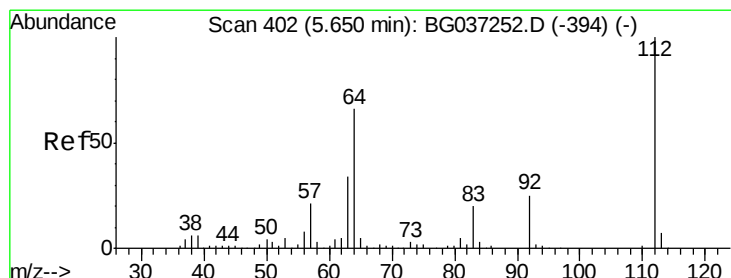
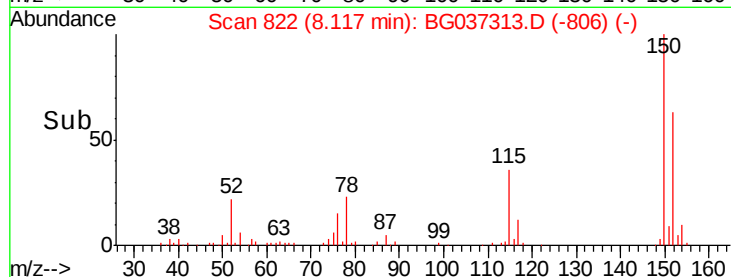
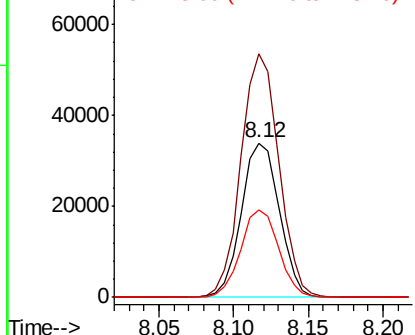
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG037313.D
Acq: 13 Oct 2018 6:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.0	189.0
115	56.9	45.5	68.3



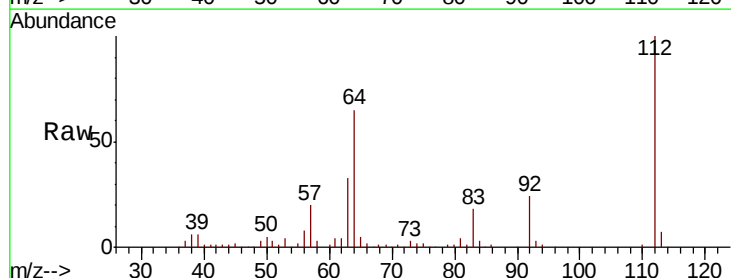
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



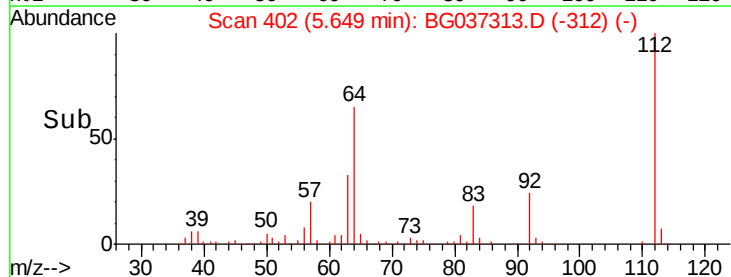
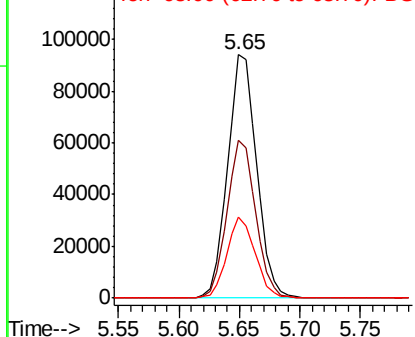
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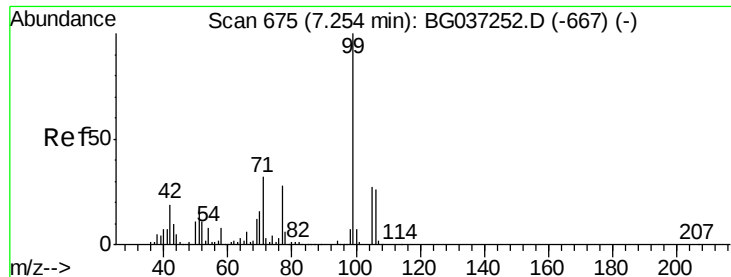
2-Fluorophenol
Concen: 46.475 ng
RT: 5.65 min Scan# 402
Delta R.T. -0.00 min
Lab File: BG037313.D
Acq: 13 Oct 2018 6:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	53.1	79.7
63	33.0	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: 26.952 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037313.D

Acq: 13 Oct 2018 6:06

Instrument :

BNA_G

ClientSampleId :

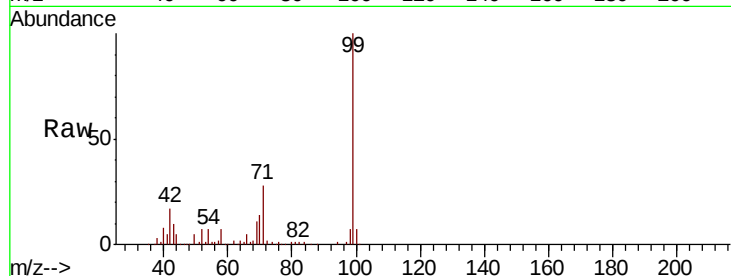
Tot Ion: 99 Resp: 139139

Ion Ratio Lower Upper

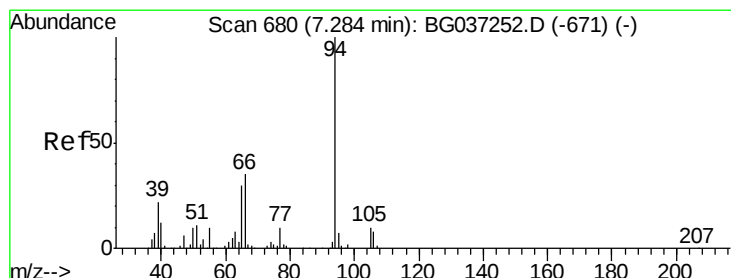
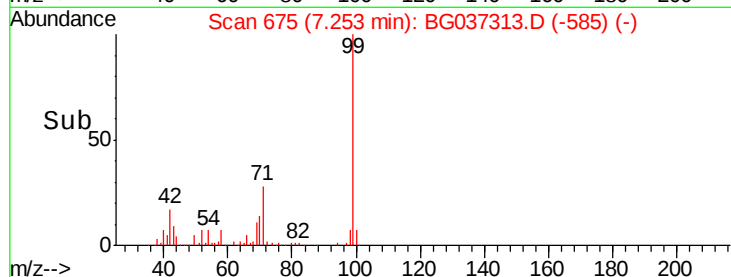
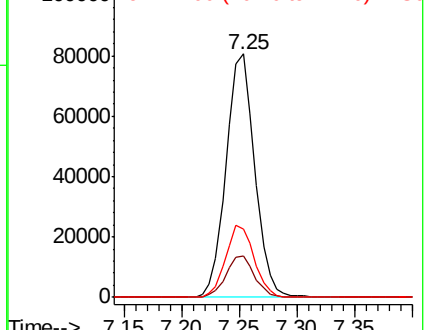
99 100

42 16.8 15.0 22.4

71 28.0 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: 2.869 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG037313.D

Acq: 13 Oct 2018 6:06

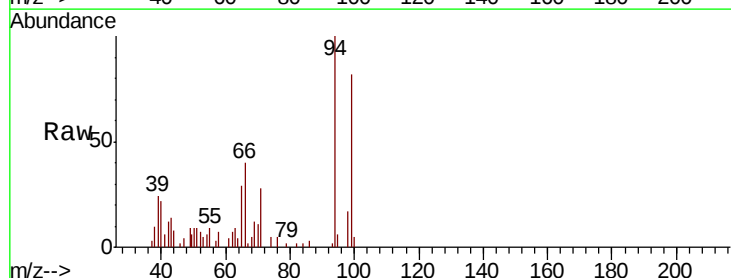
Tgt Ion: 94 Resp: 15599

Ion Ratio Lower Upper

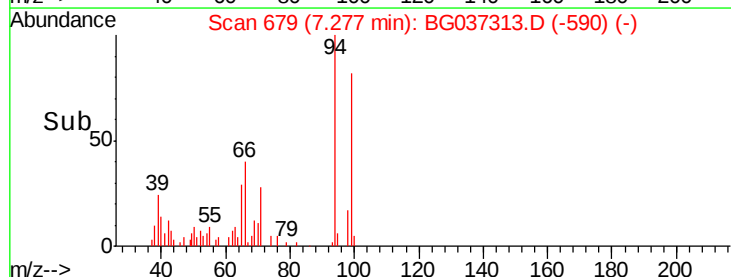
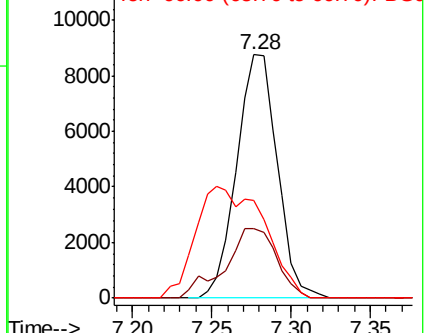
94 100

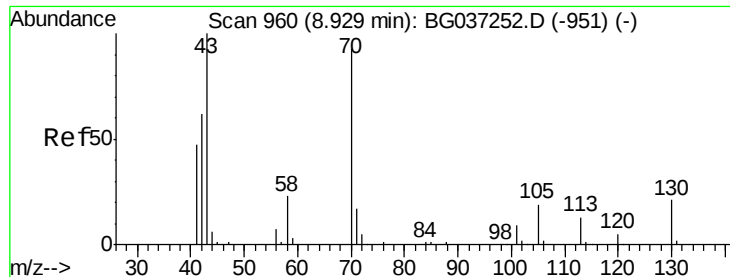
65 28.5 9.7 49.7

66 40.2 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: 14.730 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.36 min

Lab File: BG037313.D

Acq: 13 Oct 2018 6:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 57572

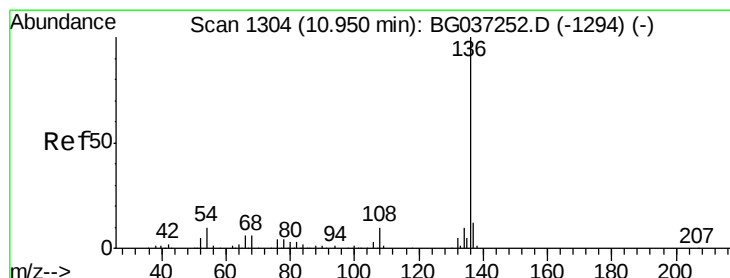
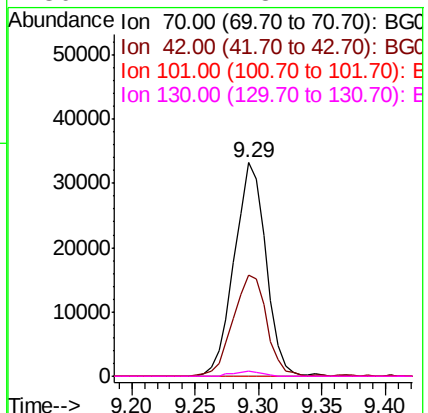
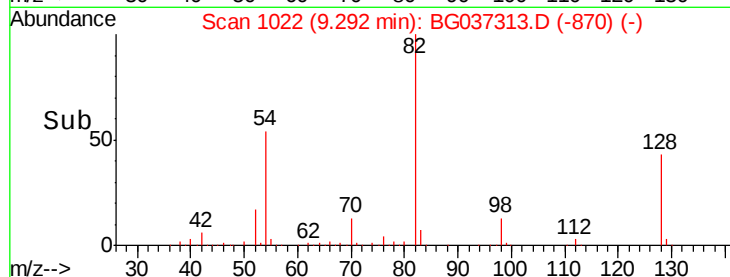
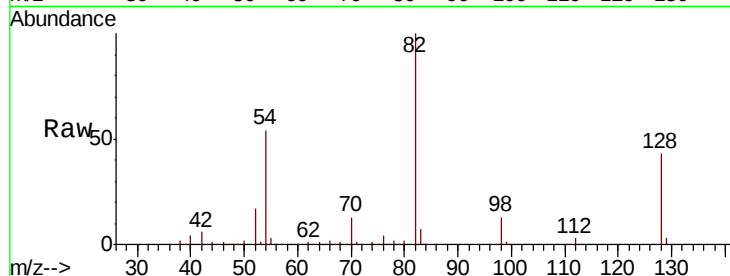
Ion Ratio Lower Upper

70 100

42 47.7 53.9 80.9#

101 0.0 8.2 12.2#

130 2.4 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.94 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BG037313.D

Acq: 13 Oct 2018 6:06

Tgt Ion: 136 Resp: 242387

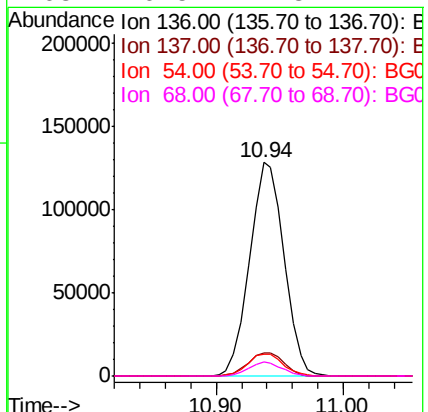
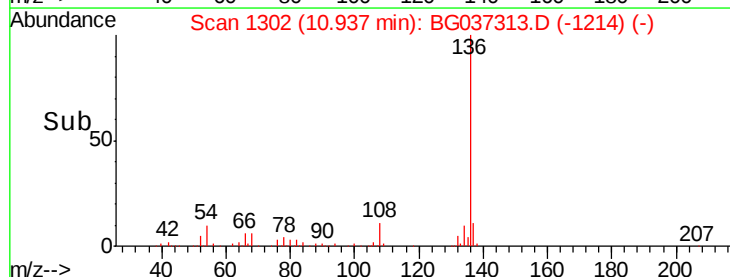
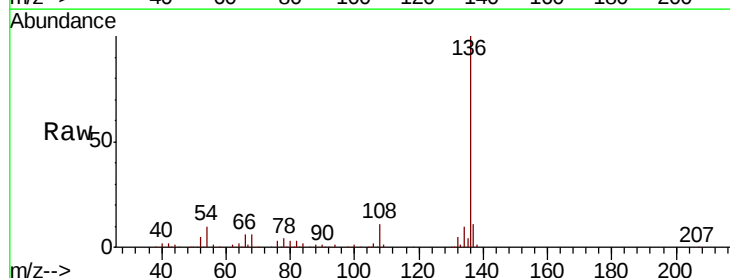
Ion Ratio Lower Upper

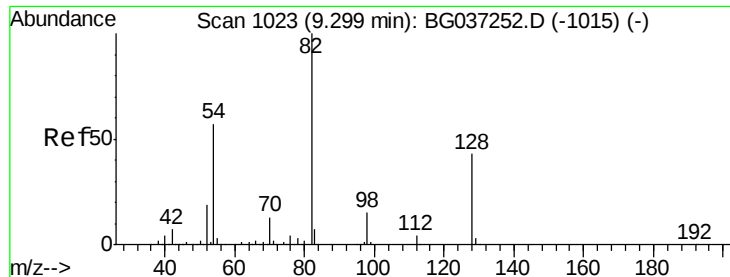
136 100

137 11.0 9.6 14.4

54 10.4 7.9 11.9

68 6.5 4.8 7.2

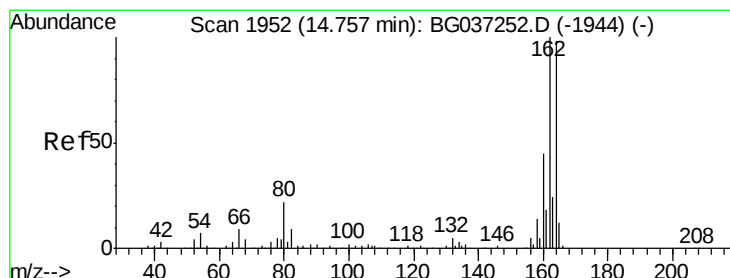
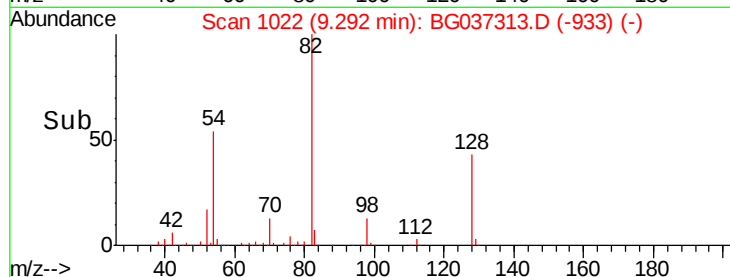
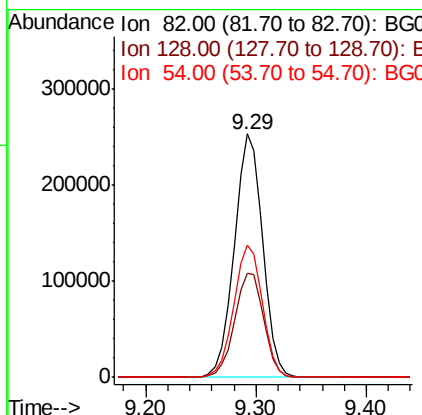
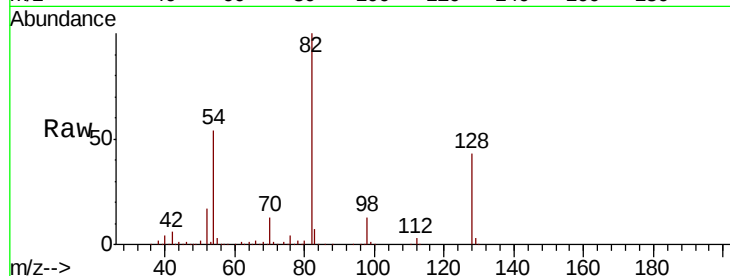




#23
Nitrobenzene-d5
Concen: 123.693 ng
RT: 9.29 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG037313.D
Acq: 13 Oct 2018 6:06

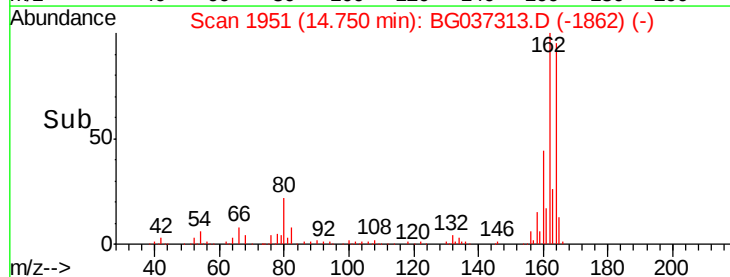
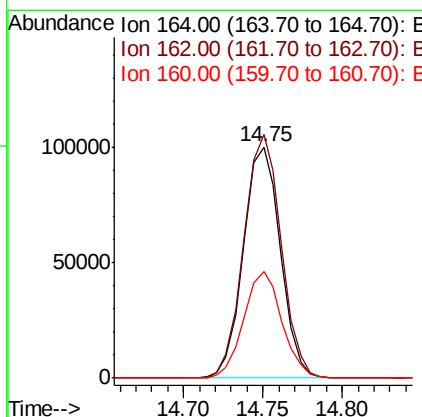
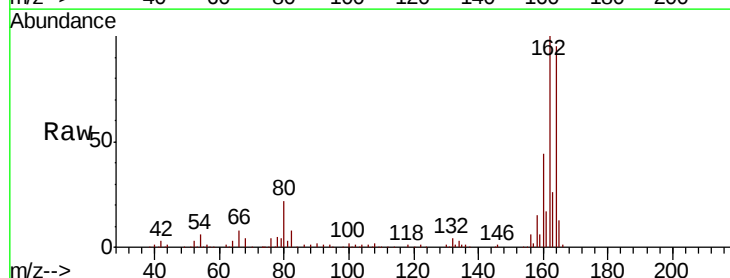
Instrument :
BNA_G
ClientSampleId :

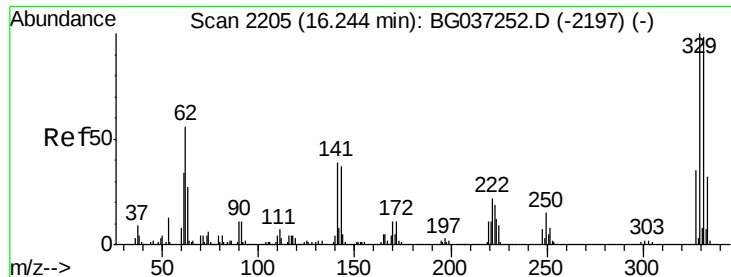
Tot Ion	82.00	Resp	456030
Ion Ratio	Lower	Upper	
82	100		
128	42.6	34.6	51.8
54	54.2	45.3	67.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BG037313.D
Acq: 13 Oct 2018 6:06

Tgt Ion	164	Resp	162702
Ion Ratio	Lower	Upper	
164	100		
162	105.3	81.3	121.9
160	46.0	36.3	54.5

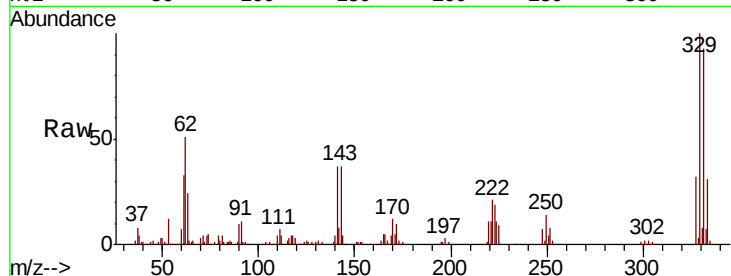




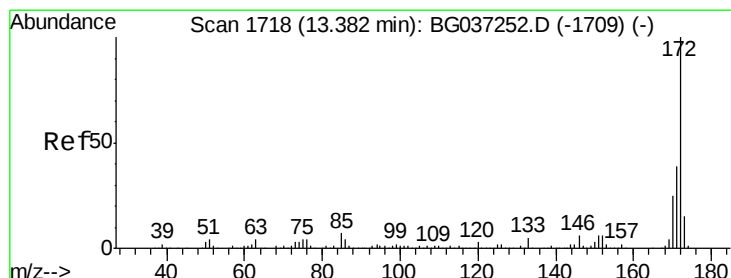
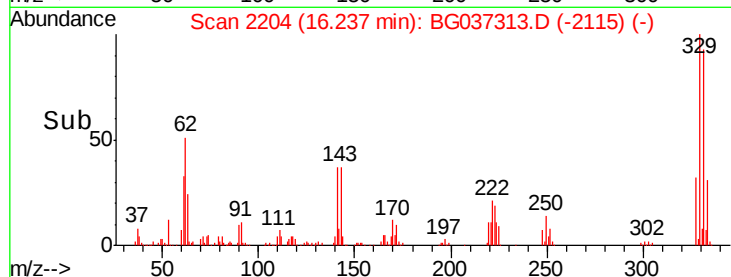
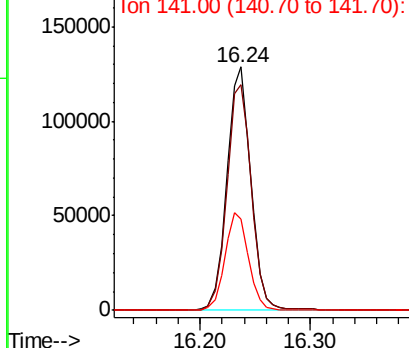
#42
 2,4,6-Tribromophenol
 Concen: 122.533 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	78.4	117.6
141	39.6	32.2	48.2

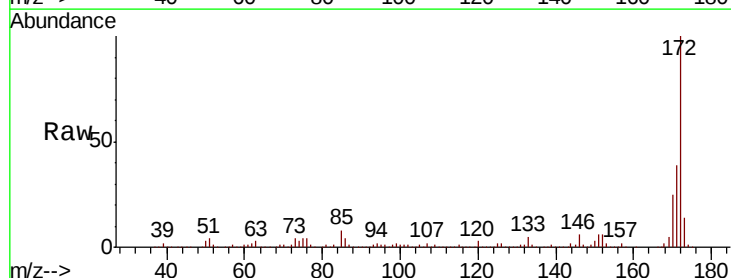


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

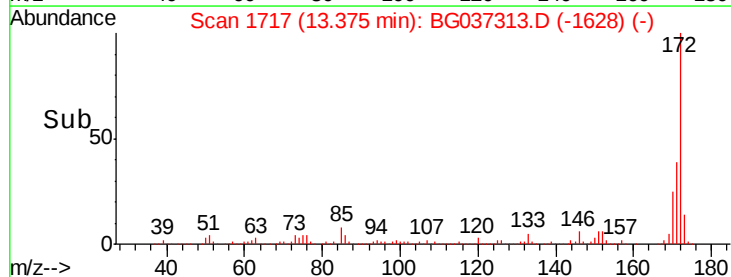
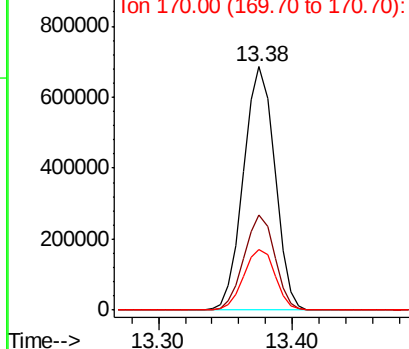


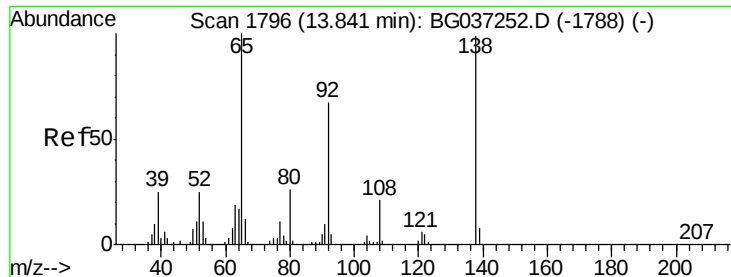
#45
 2-Fluorobiphenyl
 Concen: 102.752 ng
 RT: 13.38 min Scan# 1717
 Delta R.T. -0.01 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	31.0	46.4
170	25.0	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

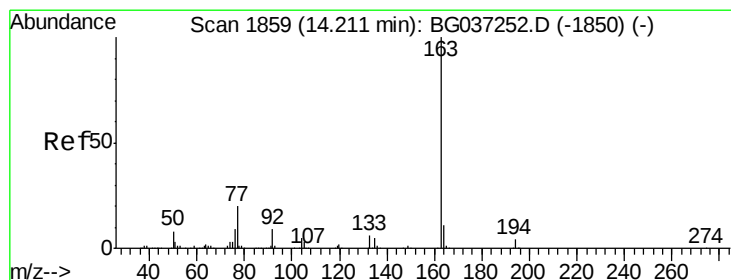
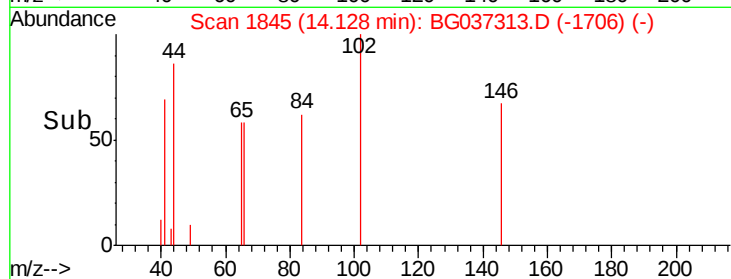
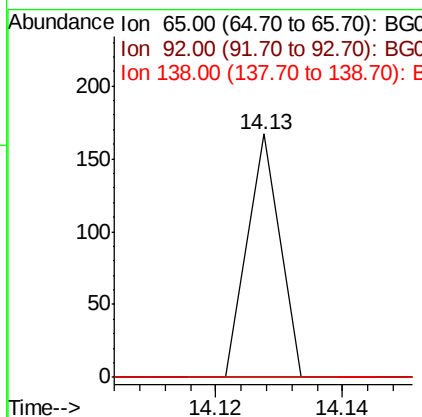
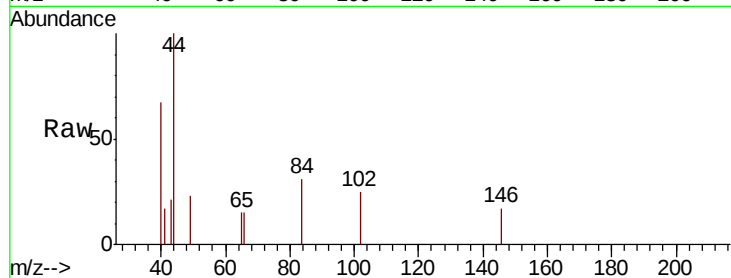




#48
 2-Nitroaniline
 Concen: 5.774 ng
 RT: 14.13 min Scan# 1845
 Delta R.T. 0.29 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

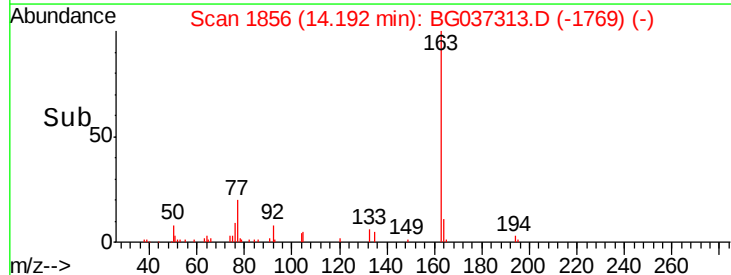
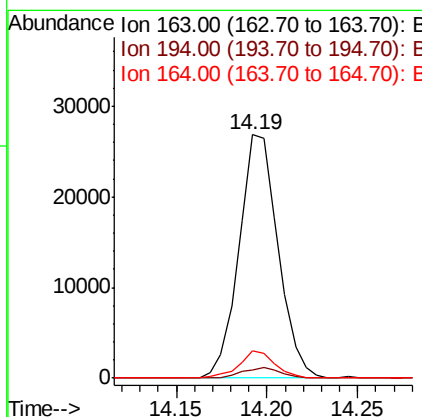
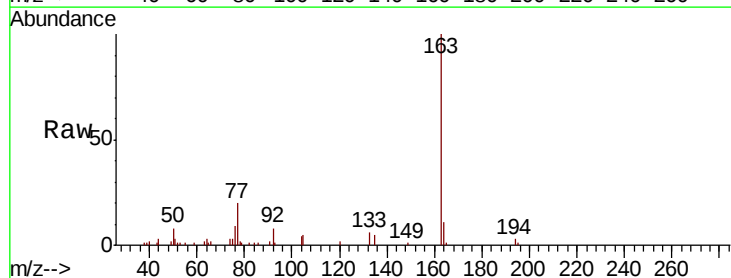
Instrument :
 BNA_G
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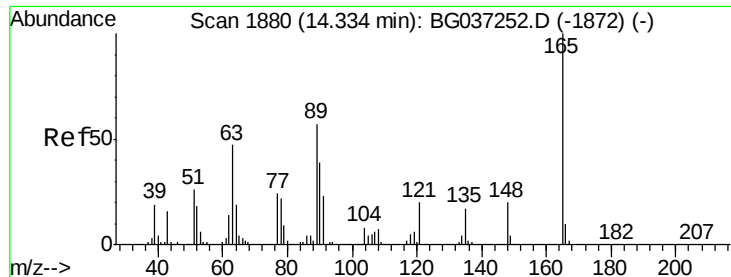
Tot Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.2	79.8#
138	0.0	79.3	118.9#



#50
 Dimethylphthalate
 Concen: 3.133 ng
 RT: 14.19 min Scan# 1856
 Delta R.T. -0.02 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	11.4	8.5	12.7

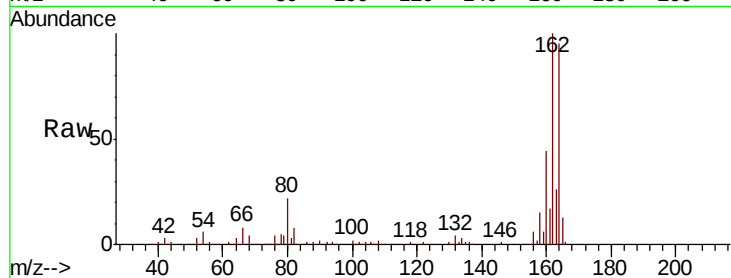




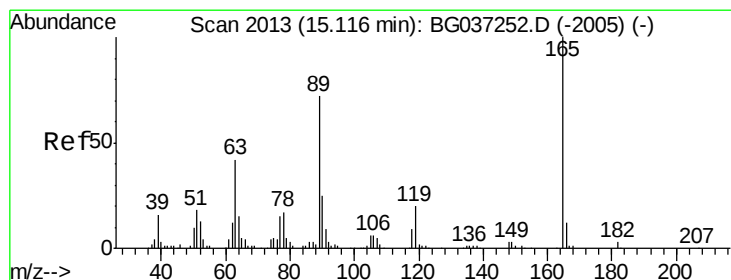
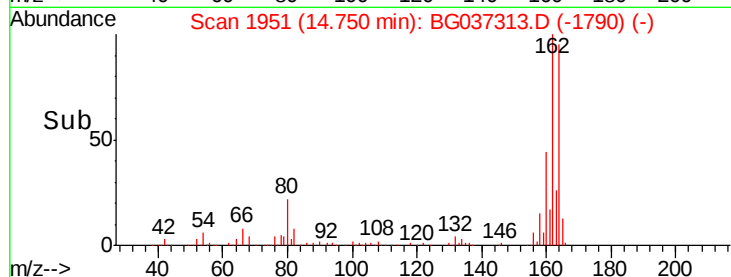
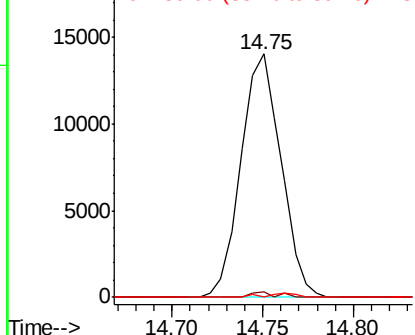
#51
 2,6-Dinitrotoluene
 Concen: 12.612 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. 0.42 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	43.4	65.2#
89	0.0	45.8	68.6#



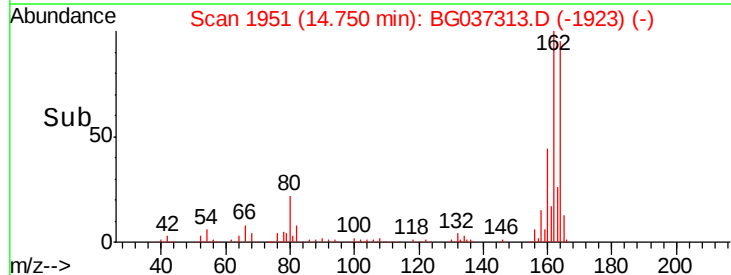
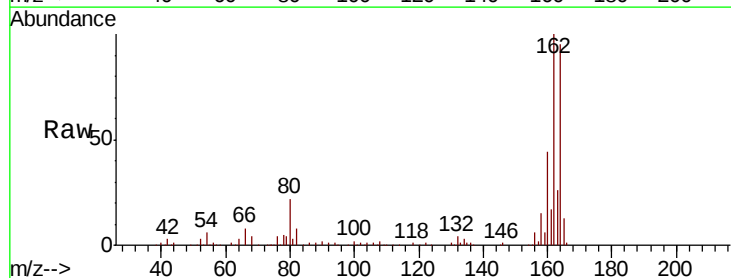
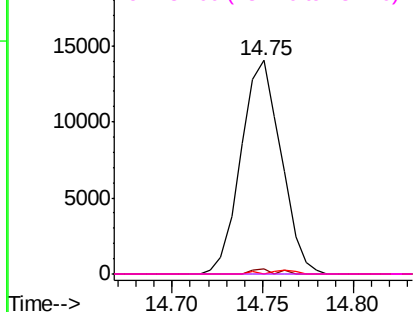
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

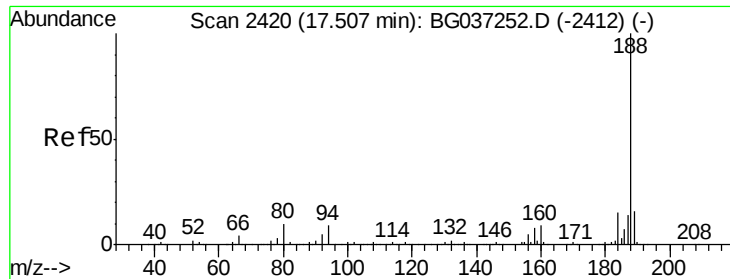


#57
 2,4-Dinitrotoluene
 Concen: 11.422 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	33.4	50.0#
89	0.0	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

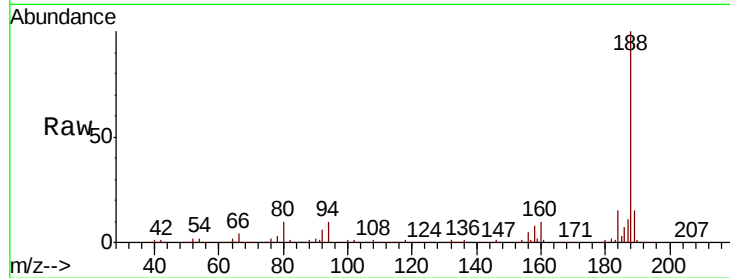




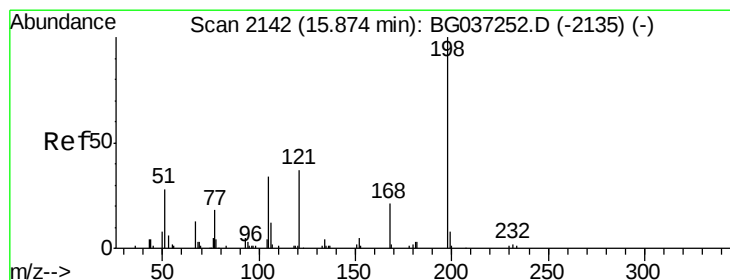
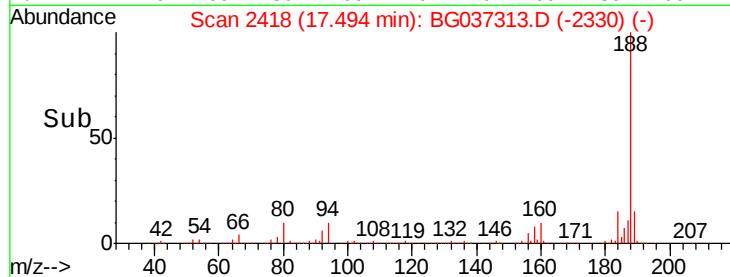
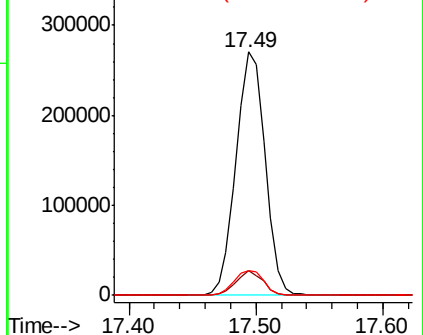
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 429859
 Ion Ratio Lower Upper
 188 100
 94 10.0 7.2 10.8
 80 10.2 7.7 11.5

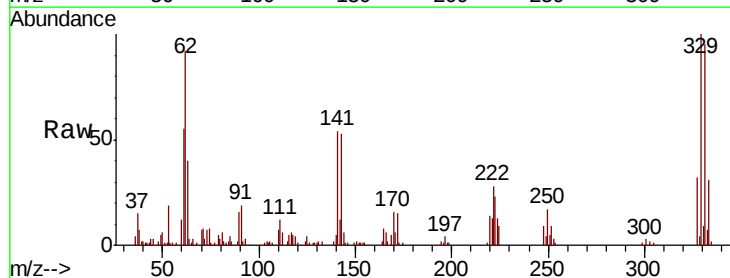


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

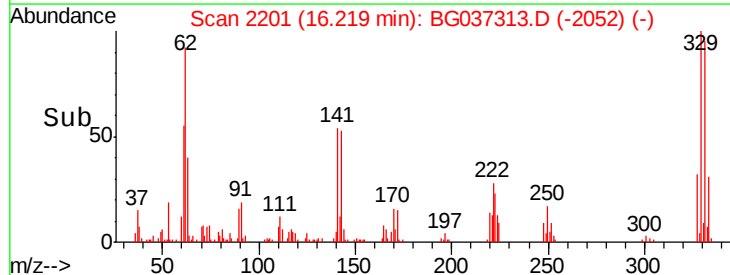
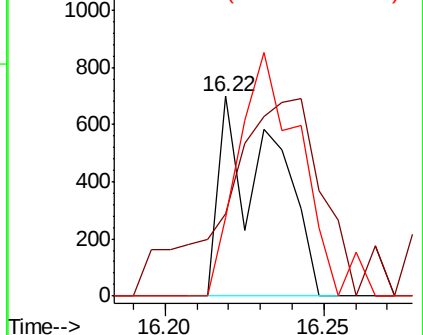


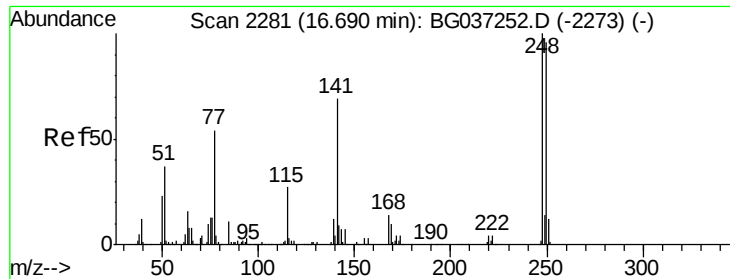
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.480 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.35 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

Tgt Ion:198 Resp: 821
 Ion Ratio Lower Upper
 198 100
 51 41.2 22.7 62.7
 105 39.2 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

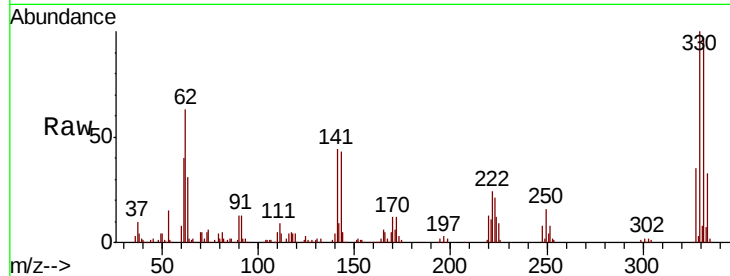




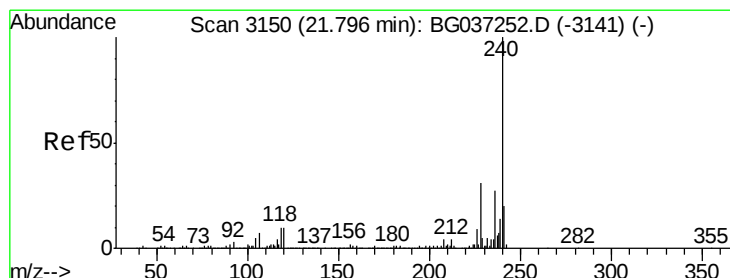
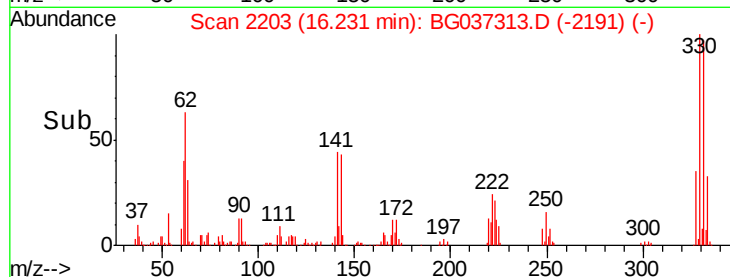
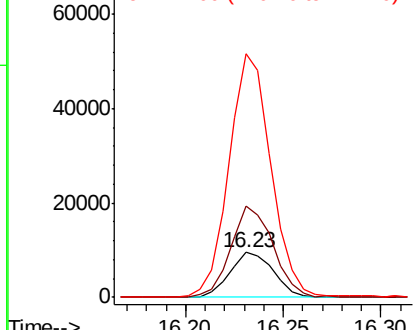
#67
 4-Bromophenyl-phenylether
 Concen: 3.138 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. -0.46 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14560
 Ion Ratio Lower Upper
 248 100
 250 255.7 77.0 115.6#
 141 540.4 55.5 83.3#

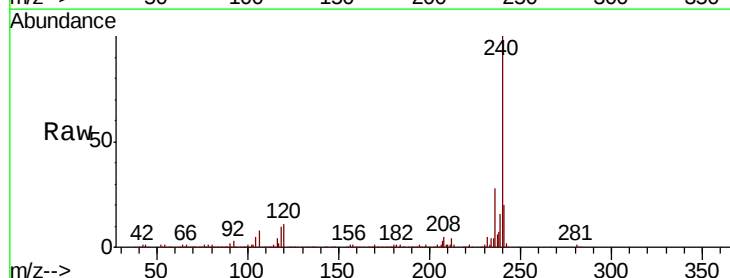


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

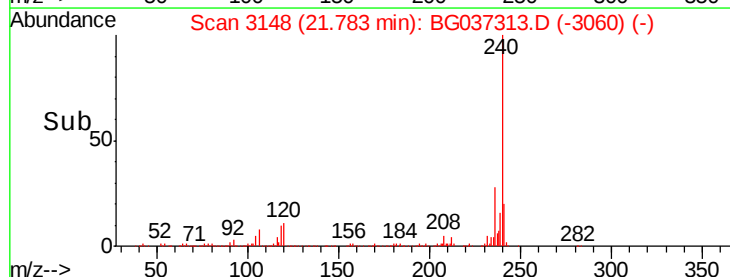
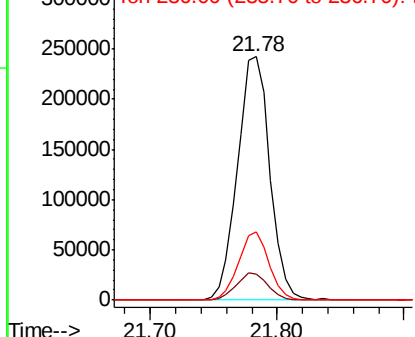


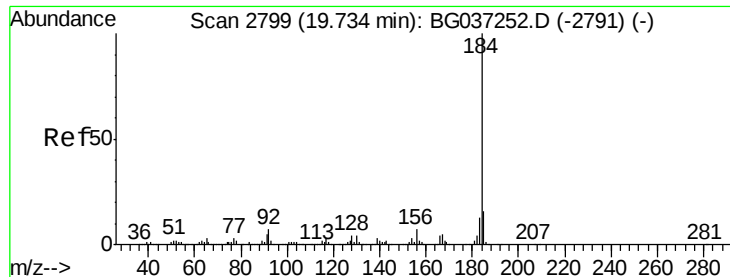
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG037313.D
 Acq: 13 Oct 2018 6:06

Tgt Ion:240 Resp: 427159
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.1 12.1
 236 27.8 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





#77

Benzidine

Concen: 2.027 ng

RT: 20.10 min Scan# 2861

Delta R.T. 0.36 min

Lab File: BG037313.D

Acq: 13 Oct 2018 6:06

Instrument :

BNA_G

ClientSampleId :

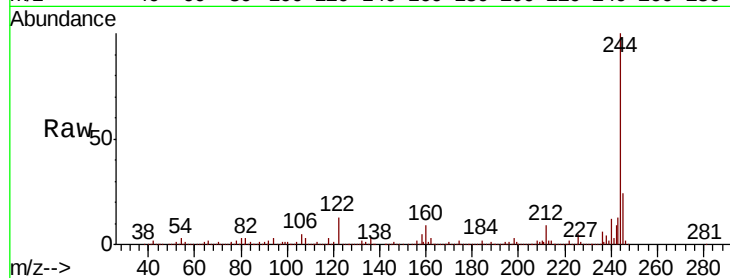
Tot Ion:184 Resp: 33121

Ion Ratio Lower Upper

184 100

185 19.6 12.6 18.8#

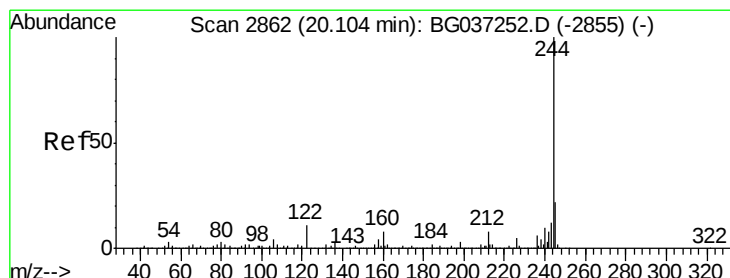
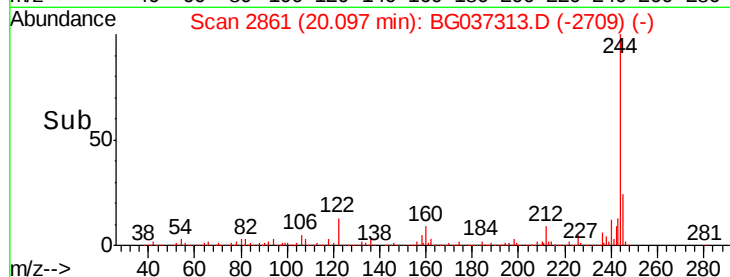
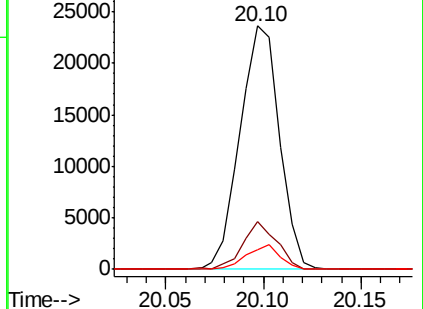
183 8.1 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 93.030 ng

RT: 20.10 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG037313.D

Acq: 13 Oct 2018 6:06

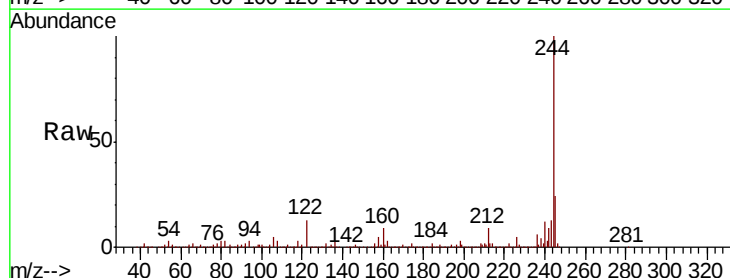
Tgt Ion:244 Resp: 1892538

Ion Ratio Lower Upper

244 100

212 9.2 6.5 9.7

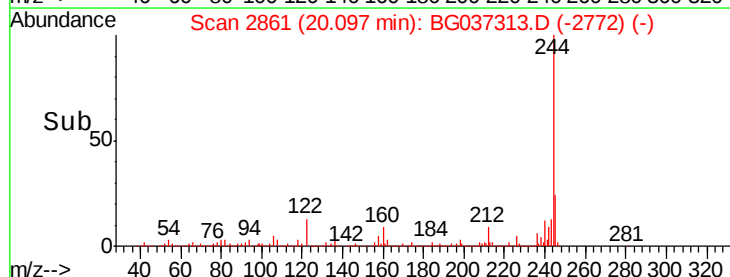
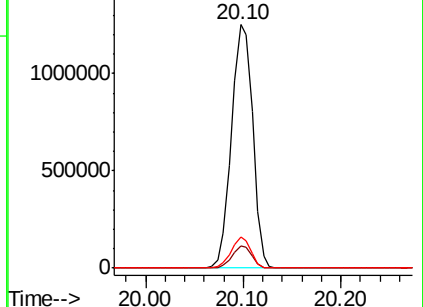
122 12.8 9.0 13.4

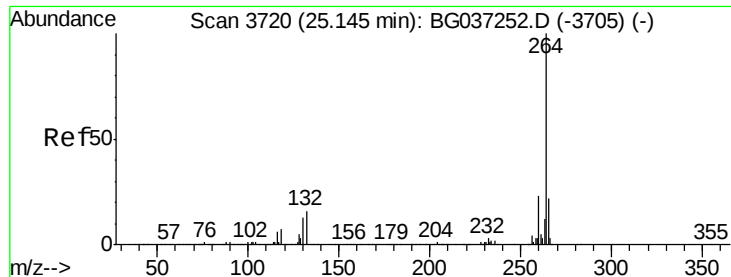


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.13 min Scan# 3717
Delta R.T. -0.02 min
Lab File: BG037313.D
Acq: 13 Oct 2018 6:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.4
265	21.3	17.9	26.9

