

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037367.D
 Acq On : 16 Oct 2018 20:06
 Operator : JU/SJ
 Sample : J5527-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 01:39:42 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

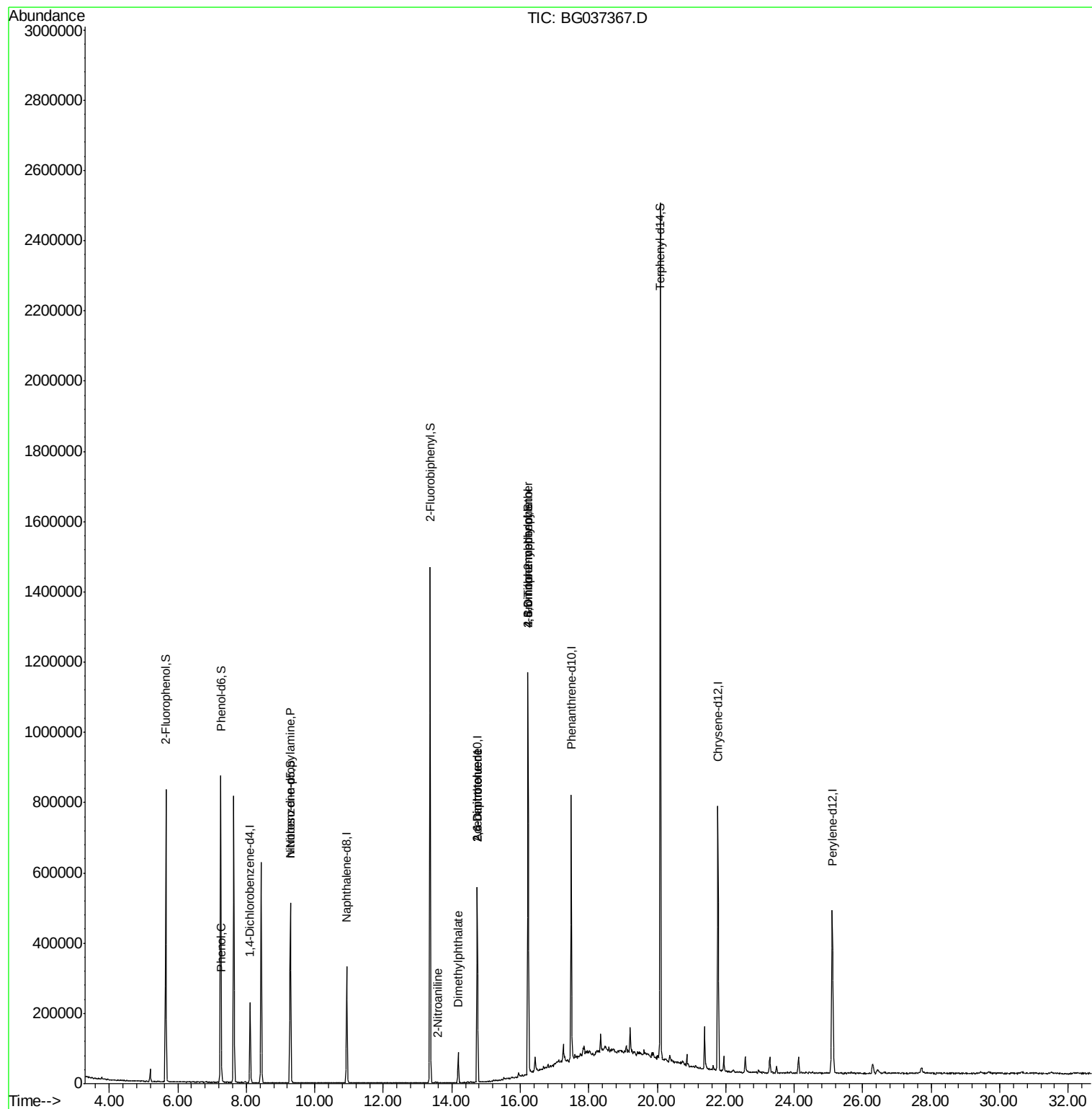
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	67619	20.00	ng	-0.01
21) Naphthalene-d8	10.93	136	296086	20.00	ng	-0.02
39) Acenaphthene-d10	14.75	164	197149	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	466172	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	453484	20.00	ng	-0.02
87) Perylene-d12	25.11	264	477747	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	389096	101.27	ng	0.00
7) Phenol-d6	7.25	99	562232	96.41	ng	0.00
23) Nitrobenzene-d5	9.29	82	315077	69.96	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	204419	105.73	ng	-0.02
45) 2-Fluorobiphenyl	13.37	172	823330	62.72	ng	-0.01
79) Terphenyl-d14	20.09	244	1210299	56.04	ng	-0.01
Target Compounds						
10) Phenol	7.28	94	18694	3.044	ng	95
19) n-Nitroso-di-n-propylamine	9.29	70	39362	8.915	ng	# 73
48) 2-Nitroaniline	13.58	65	56	5.770	ng	# 7
50) Dimethylphthalate	14.19	163	61716	3.983	ng	98
51) 2,6-Dinitrotoluene	14.75	165	26098	12.613	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	26098	11.423	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	722	6.379	ng	90
67) 4-Bromophenyl-phenylether	16.23	248	14878	2.957	ng	# 1

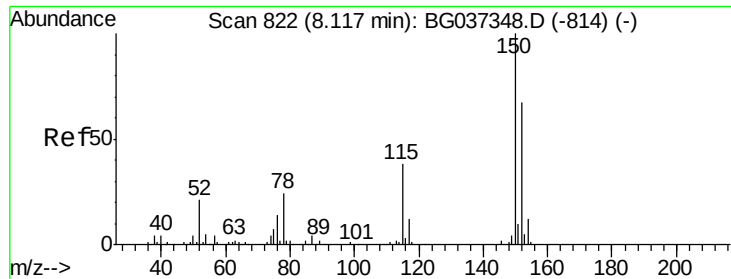
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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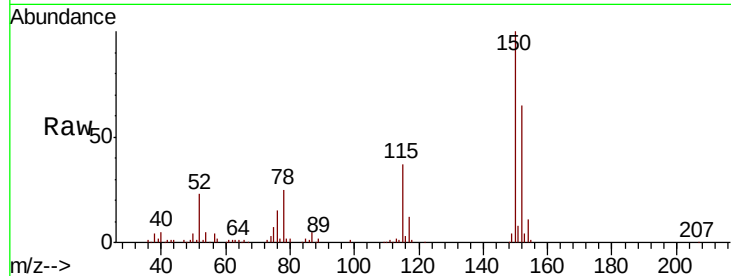


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG037367.D
Acq: 16 Oct 2018 20:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.0	189.0
115	56.9	45.5	68.3

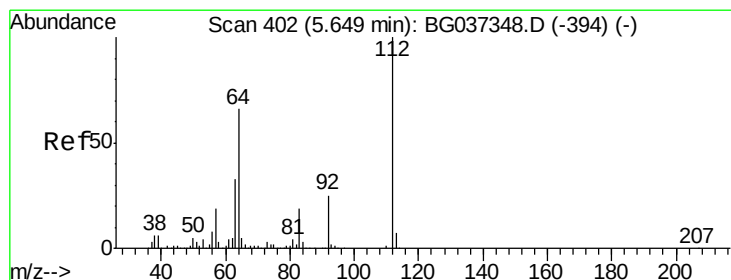
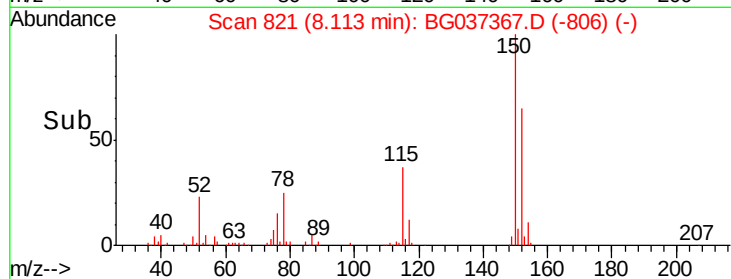
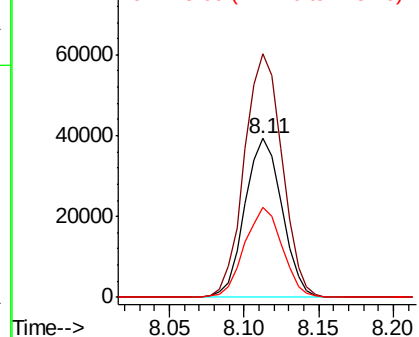


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

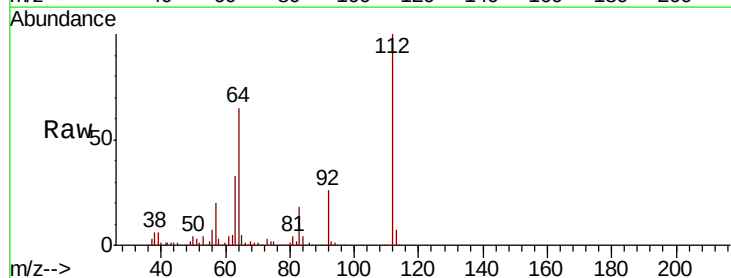
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.269 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037367.D
Acq: 16 Oct 2018 20:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	53.1	79.7
63	32.8	27.3	40.9

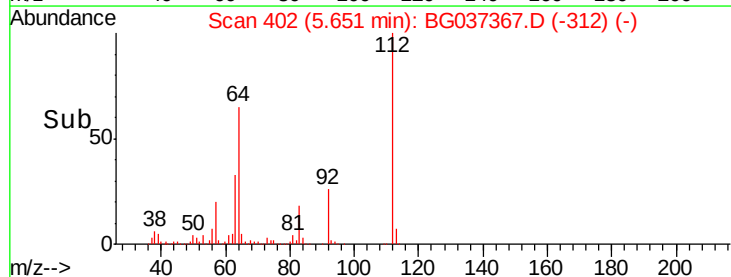
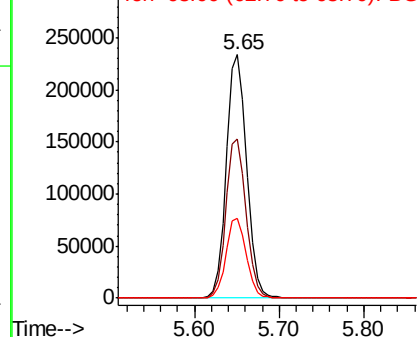


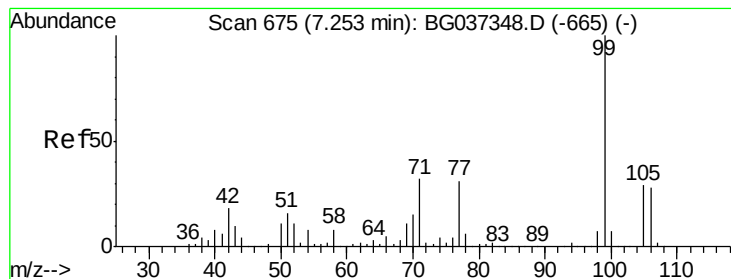
Abundance

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: 96.408 ng

RT: 7.25 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037367.D

Acq: 16 Oct 2018 20:06

Instrument :

BNA_G

ClientSampled :

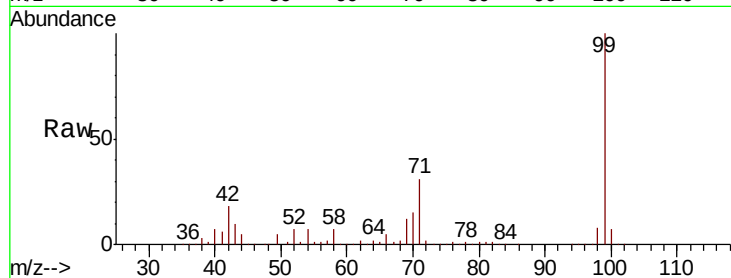
Tot Ion: 99 Resp: 562232

Ion Ratio Lower Upper

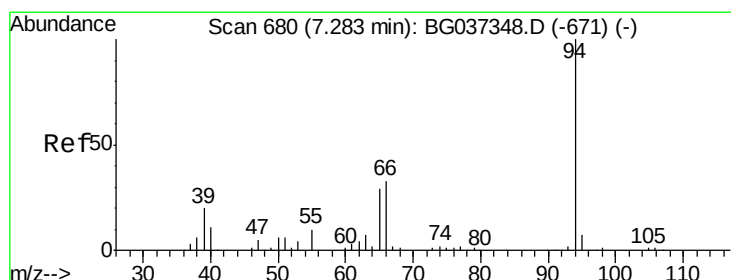
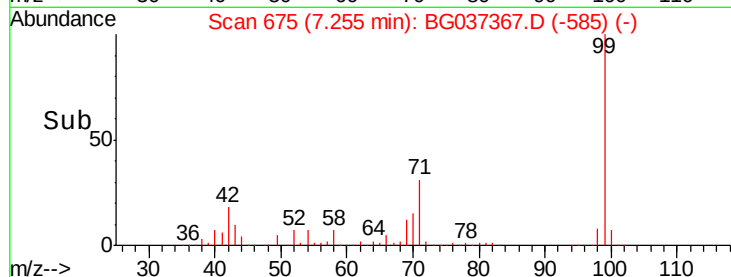
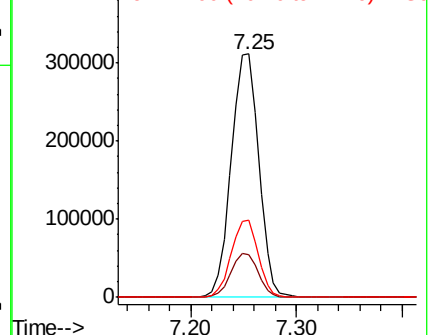
99 100

42 17.7 15.0 22.4

71 31.5 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: 3.044 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG037367.D

Acq: 16 Oct 2018 20:06

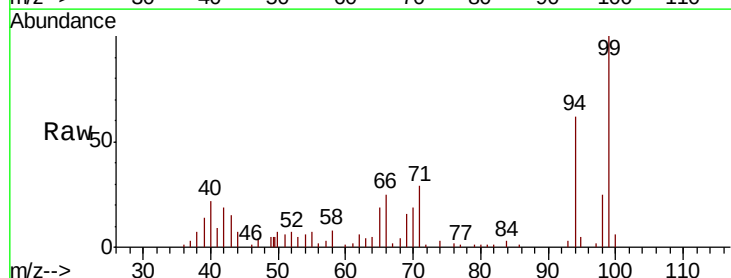
Tgt Ion: 94 Resp: 18694

Ion Ratio Lower Upper

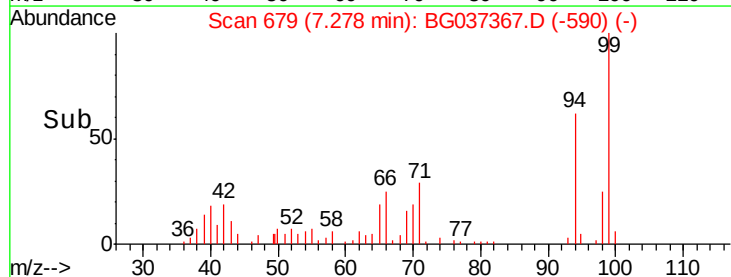
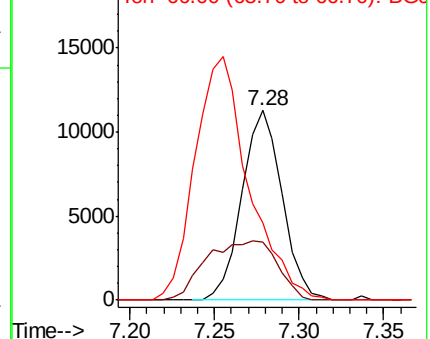
94 100

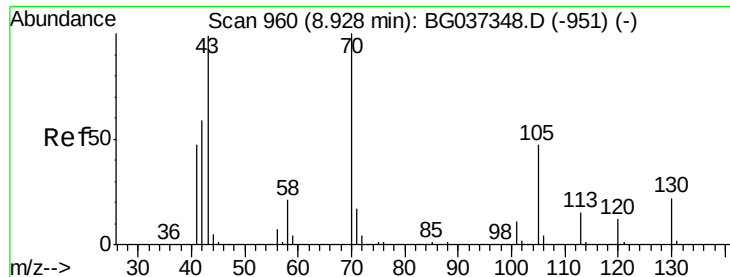
65 30.8 9.7 49.7

66 40.7 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

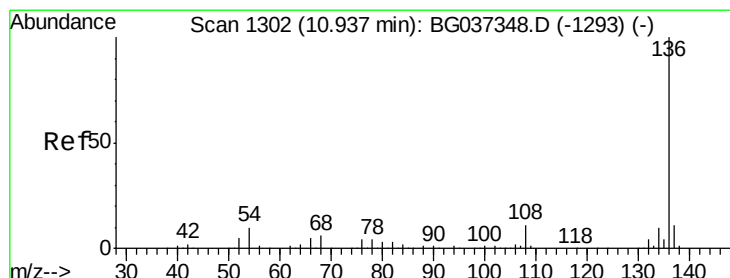
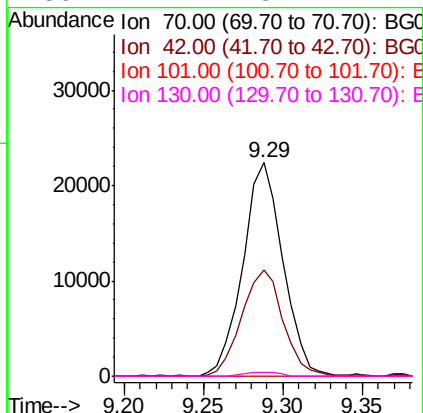
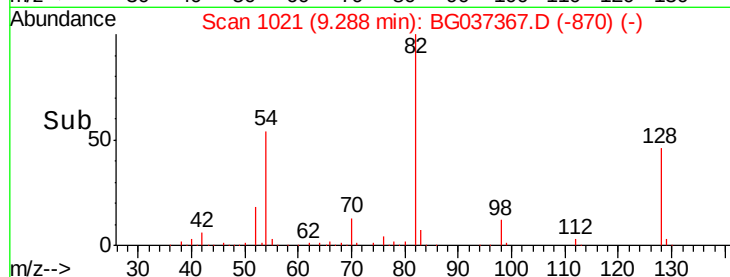
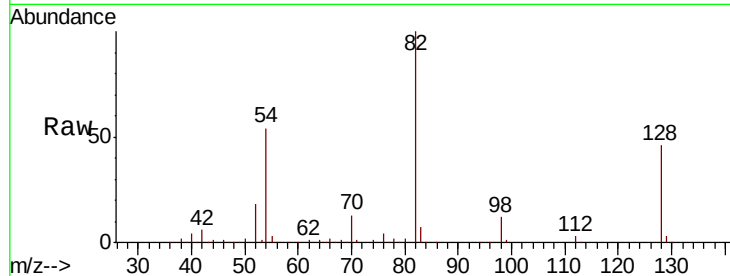




#19
n-Nitroso-di-n-propylamine
Concen: 8.915 ng
RT: 9.29 min Scan# 1021
Delta R.T. 0.36 min
Lab File: BG037367.D
Acq: 16 Oct 2018 20:06

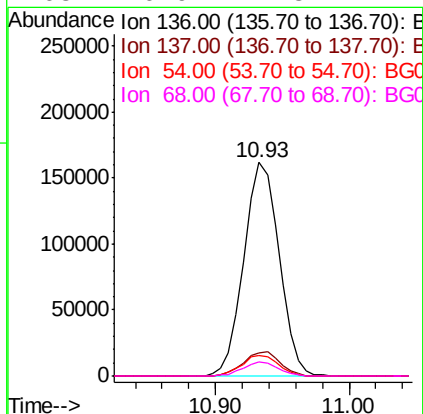
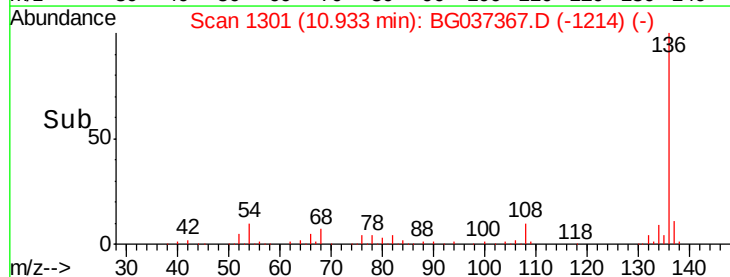
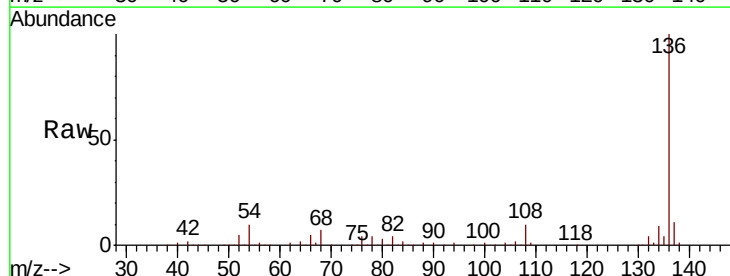
Instrument :
BNA_G
ClientSampleId :

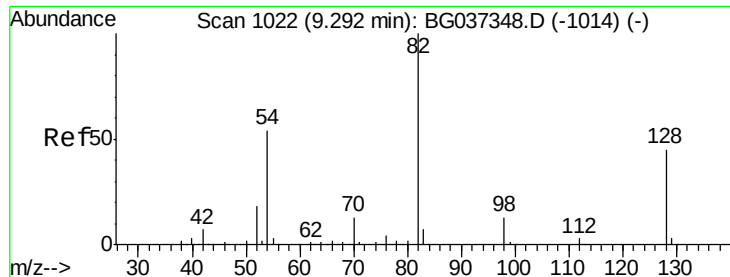
Tot Ion: 70 Resp: 39362
Ion Ratio Lower Upper
70 100
42 50.0 53.9 80.9#
101 0.0 8.2 12.2#
130 1.7 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037367.D
Acq: 16 Oct 2018 20:06

Tgt Ion: 136 Resp: 296086
Ion Ratio Lower Upper
136 100
137 10.7 9.6 14.4
54 9.8 7.9 11.9
68 6.9 4.8 7.2

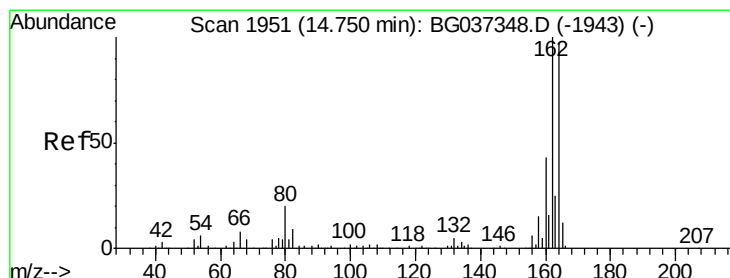
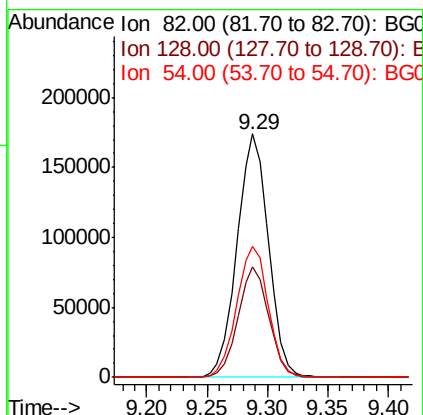
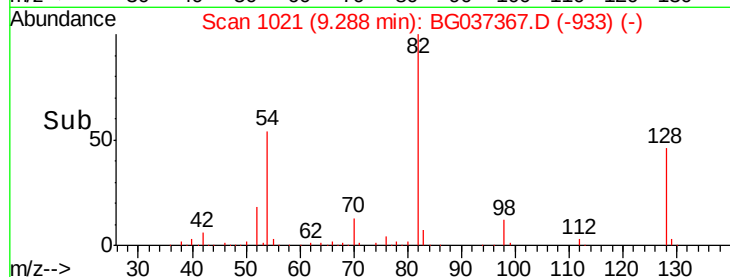
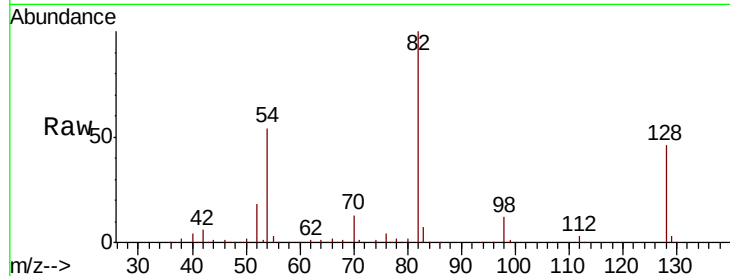




#23
 Nitrobenzene-d5
 Concen: 69.962 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BG037367.D
 Acq: 16 Oct 2018 20:06

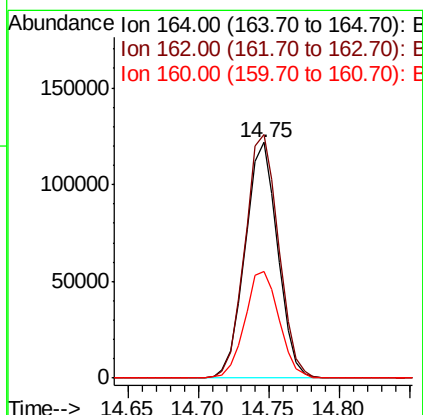
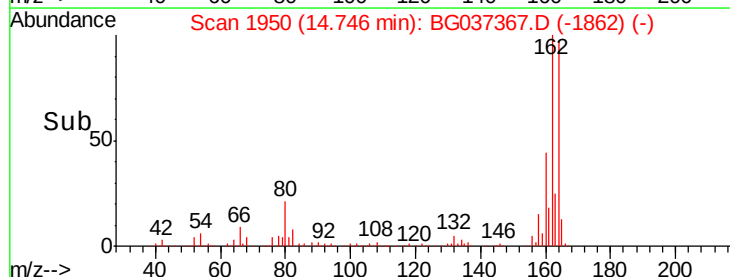
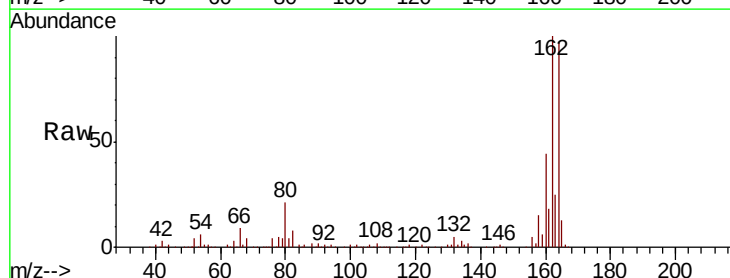
Instrument :
 BNA_G
 ClientSampleId :

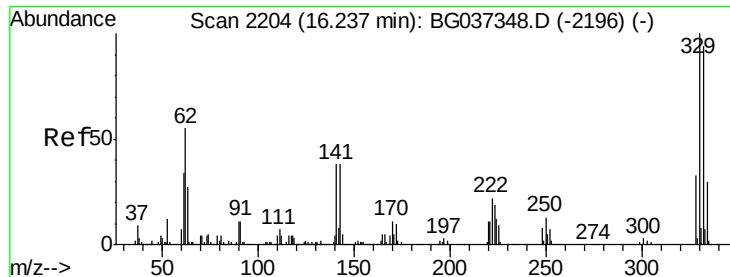
Tot Ion	82	Resp	315077
Ion Ratio	100	Lower	Upper
128	45.5	34.6	51.8
54	53.9	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BG037367.D
 Acq: 16 Oct 2018 20:06

Tgt Ion	164	Resp	197149
Ion Ratio	100	Lower	Upper
162	103.2	81.3	121.9
160	45.2	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 105.726 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BG037367.D

Acq: 16 Oct 2018 20:06

Instrument :

BNA_G

ClientSampleId :

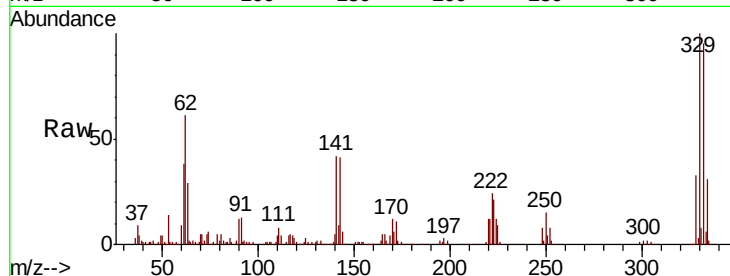
Tot Ion:330 Resp: 204419

Ion Ratio Lower Upper

330 100

332 96.3 78.4 117.6

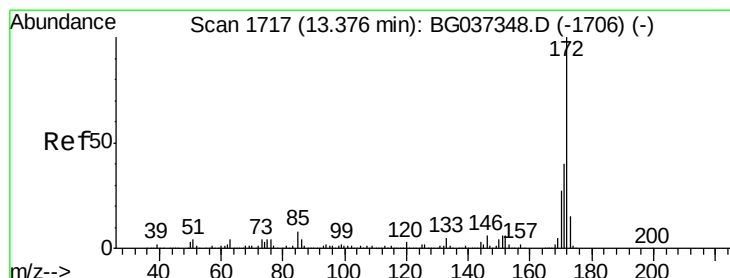
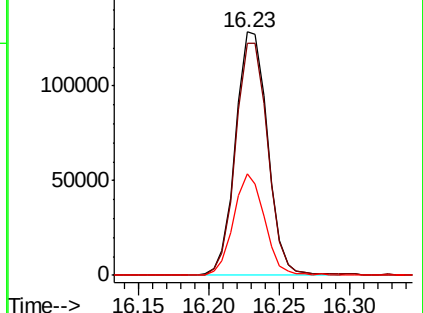
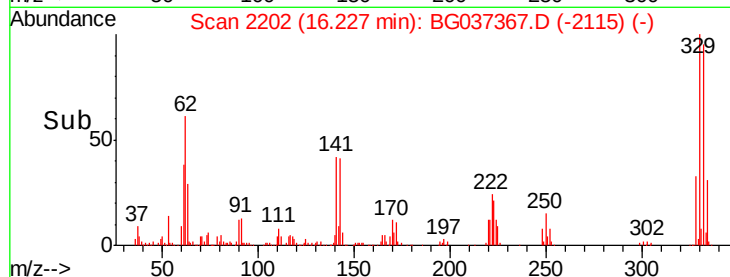
141 40.6 32.2 48.2



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: 62.716 ng

RT: 13.37 min Scan# 1716

Delta R.T. -0.01 min

Lab File: BG037367.D

Acq: 16 Oct 2018 20:06

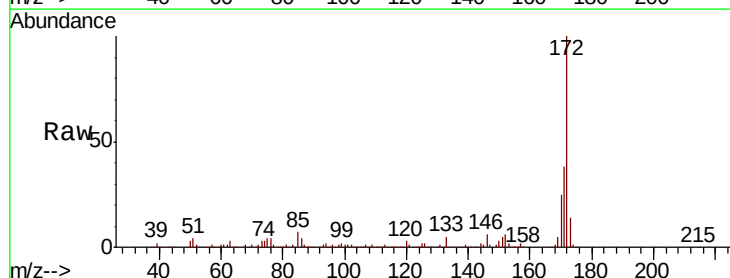
Tgt Ion:172 Resp: 823330

Ion Ratio Lower Upper

172 100

171 37.9 31.0 46.4

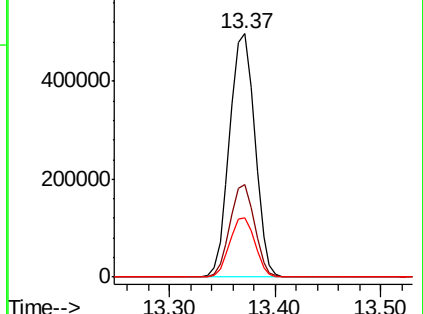
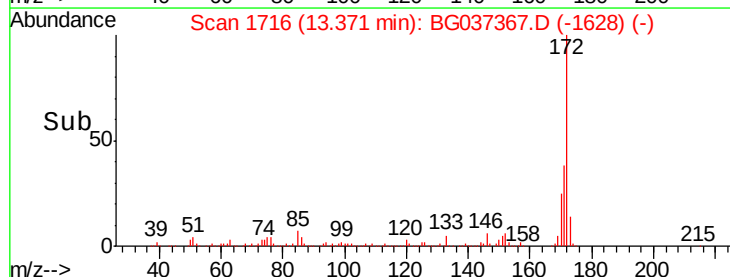
170 24.6 20.2 30.2

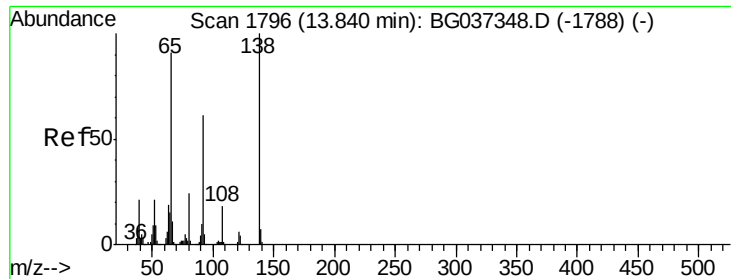


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

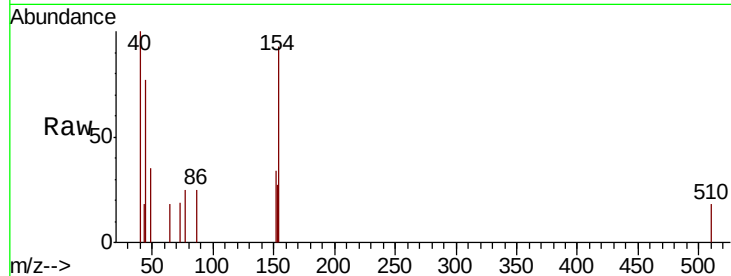




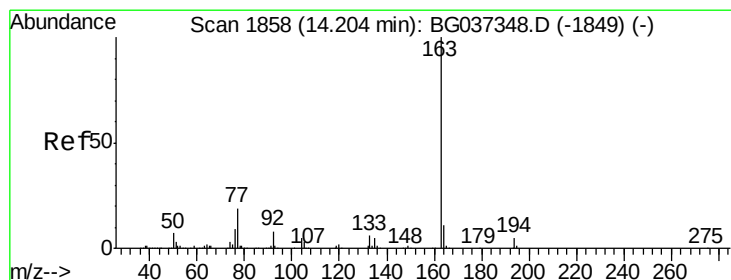
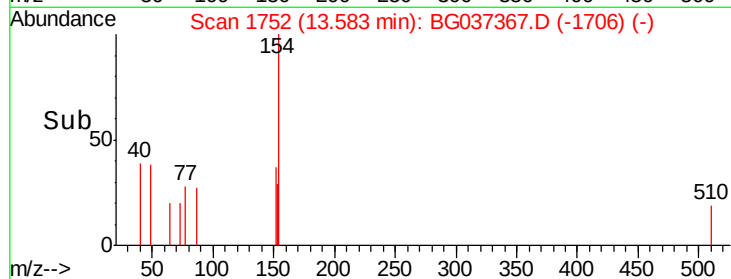
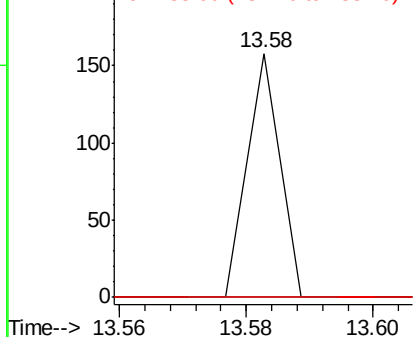
#48
2-Nitroaniline
Concen: 5.770 ng
RT: 13.58 min Scan# 1752
Delta R.T. -0.26 min
Lab File: BG037367.D
Acq: 16 Oct 2018 20:06

Instrument :
BNA_G
ClientSampleId :

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

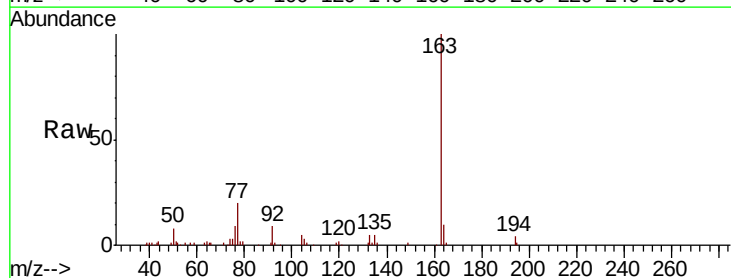


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

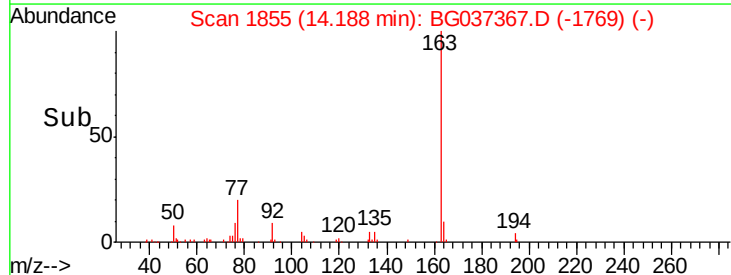
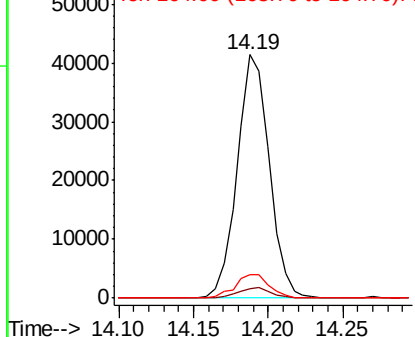


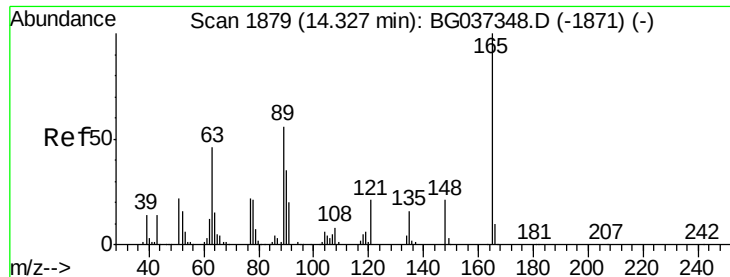
#50
Dimethylphthalate
Concen: 3.983 ng
RT: 14.19 min Scan# 1855
Delta R.T. -0.02 min
Lab File: BG037367.D
Acq: 16 Oct 2018 20:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.6	8.5	12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 12.613 ng

RT: 14.75 min Scan# 1950

Delta R.T. 0.41 min

Lab File: BG037367.D

Acq: 16 Oct 2018 20:06

Instrument :

BNA_G

ClientSampleId :

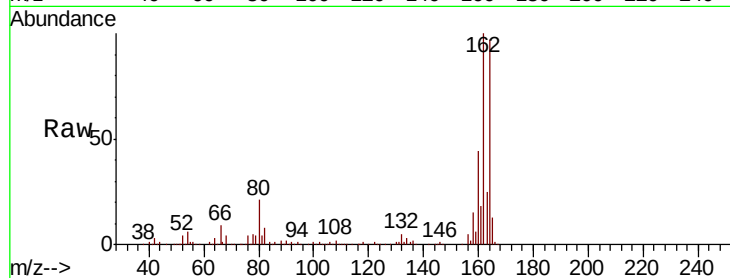
Tot Ion:165 Resp: 26098

Ion Ratio Lower Upper

165 100

63 1.2 43.4 65.2#

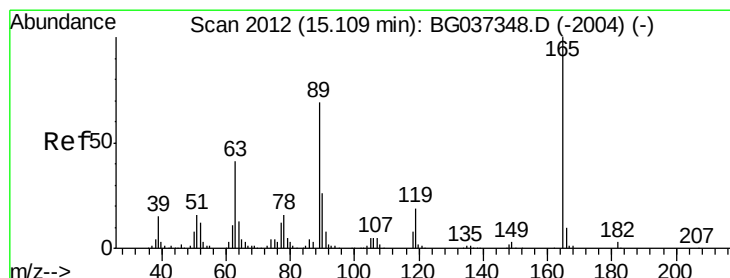
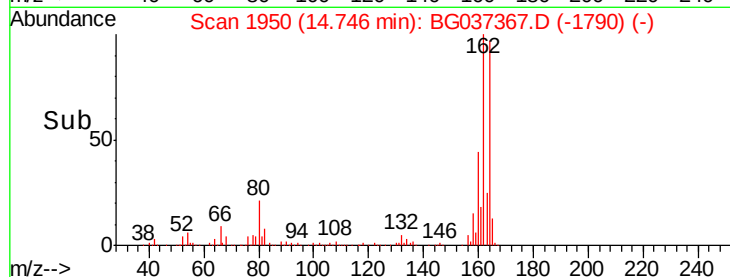
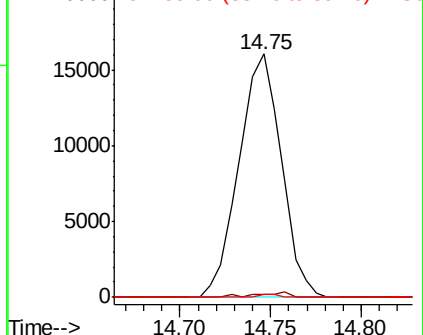
89 1.4 45.8 68.6#



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: 11.423 ng

RT: 14.75 min Scan# 1950

Delta R.T. -0.37 min

Lab File: BG037367.D

Acq: 16 Oct 2018 20:06

Tgt Ion:165 Resp: 26098

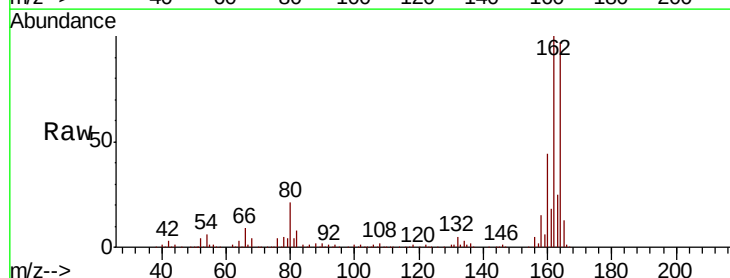
Ion Ratio Lower Upper

165 100

63 1.2 33.4 50.0#

89 1.4 57.2 85.8#

182 0.0 2.6 4.0#

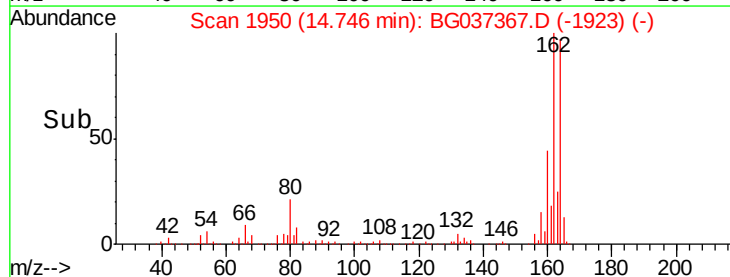
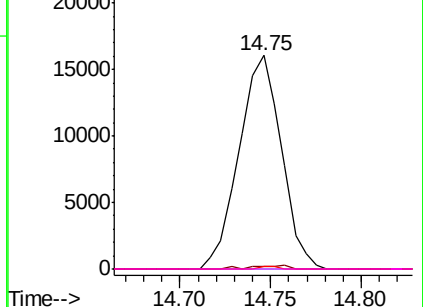


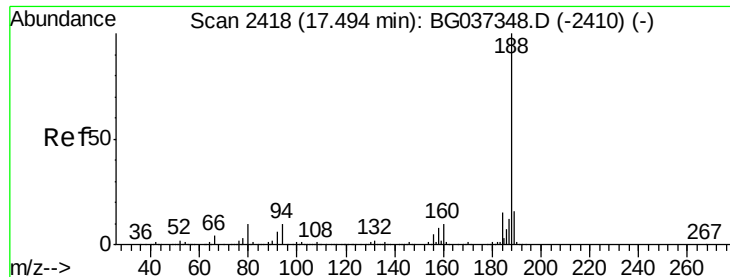
Abundance Ion 165.00 (164.70 to 165.70): E

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

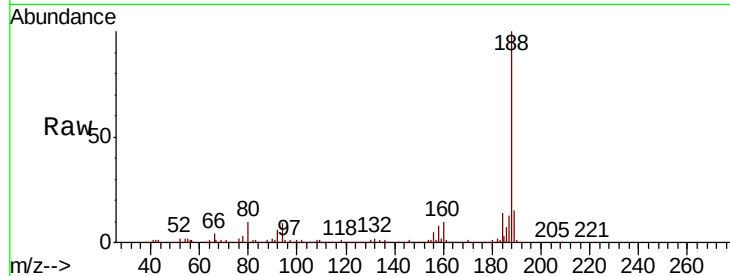




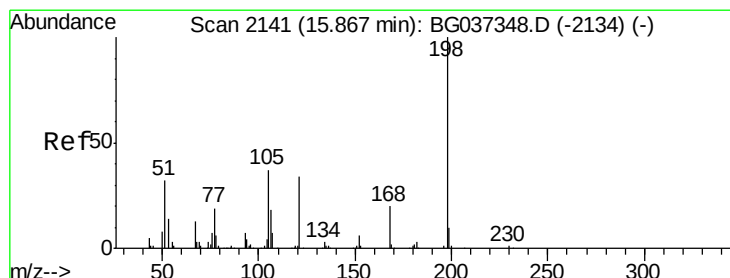
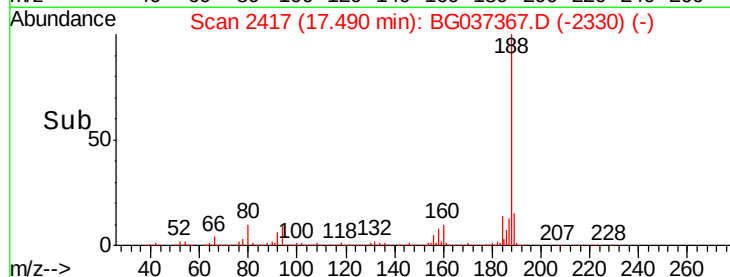
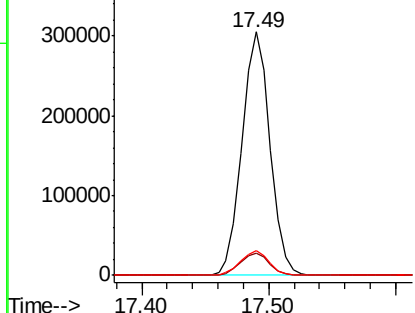
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BG037367.D
Acq: 16 Oct 2018 20:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 466172
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.0 7.7 11.5

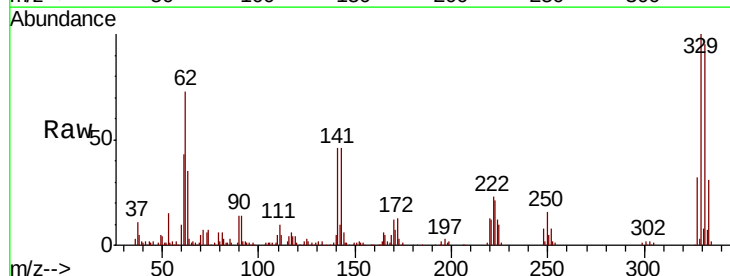


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

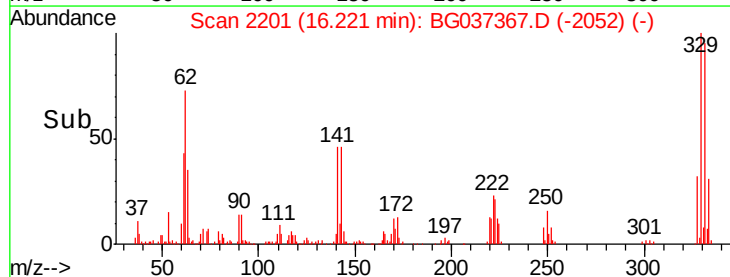
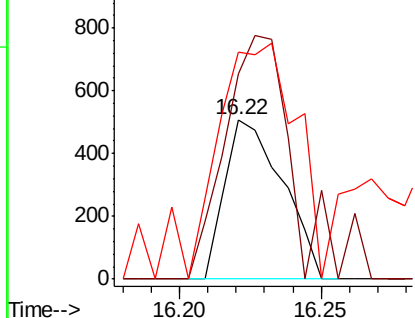


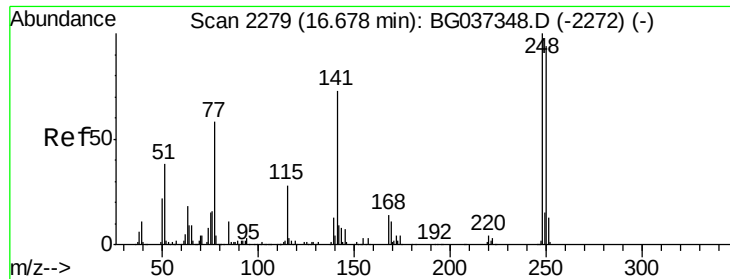
#65
4,6-Dinitro-2-methylphenol
Concen: 6.379 ng
RT: 16.22 min Scan# 2201
Delta R.T. 0.35 min
Lab File: BG037367.D
Acq: 16 Oct 2018 20:06

Tgt Ion:198 Resp: 722
Ion Ratio Lower Upper
198 100
51 33.4 22.7 62.7
105 37.0 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

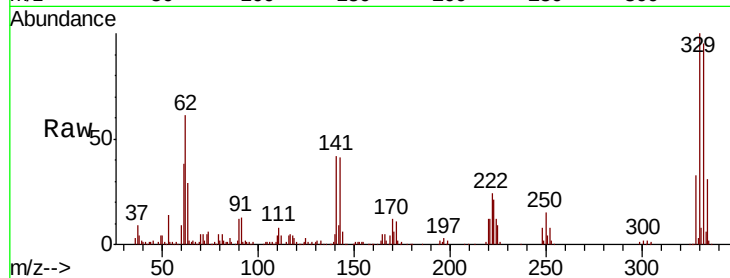




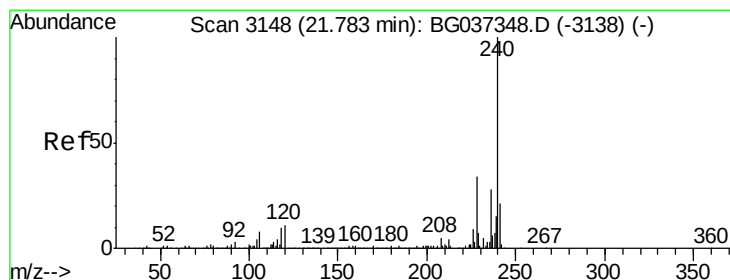
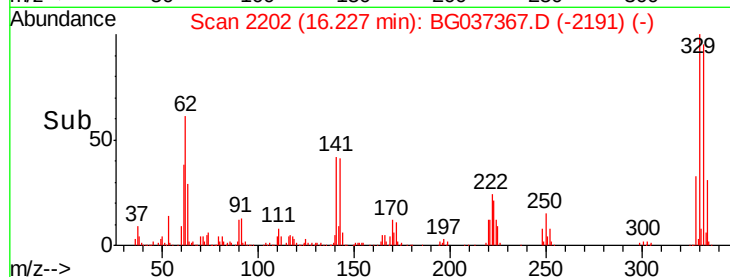
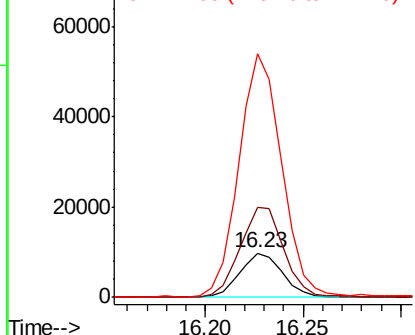
#67
 4-Bromophenyl-phenylether
 Concen: 2.957 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.46 min
 Lab File: BG037367.D
 Acq: 16 Oct 2018 20:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14878
 Ion Ratio Lower Upper
 248 100
 250 202.4 77.0 115.6#
 141 429.5 55.5 83.3#

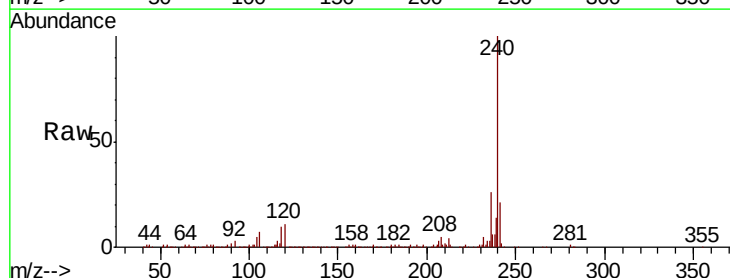


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

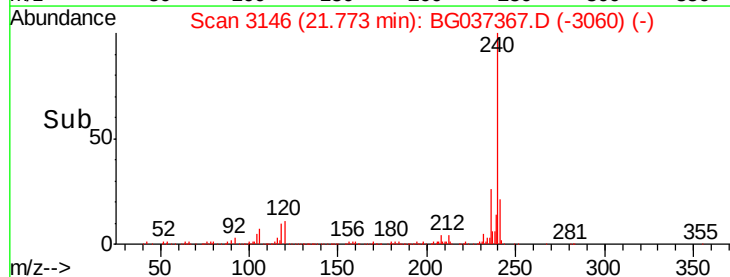
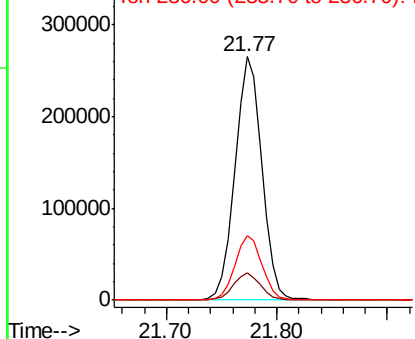


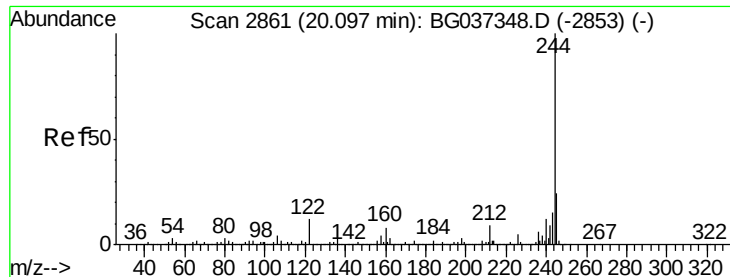
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG037367.D
 Acq: 16 Oct 2018 20:06

Tgt Ion:240 Resp: 453484
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.1 12.1
 236 26.4 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: 56.040 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG037367.D

Acq: 16 Oct 2018 20:06

Instrument :

BNA_G

ClientSampleId :

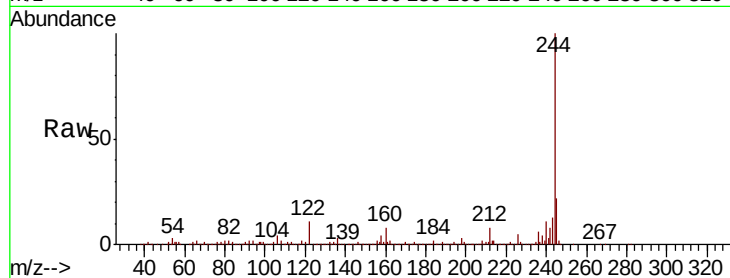
Tot Ion:244 Resp: 1210299

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	11.0	9.0	13.4

244 100

212 8.3 6.5 9.7

122 11.0 9.0 13.4

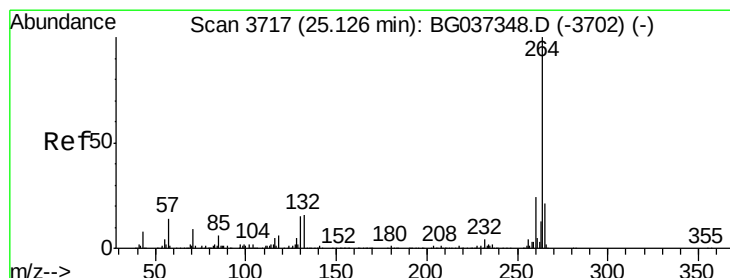
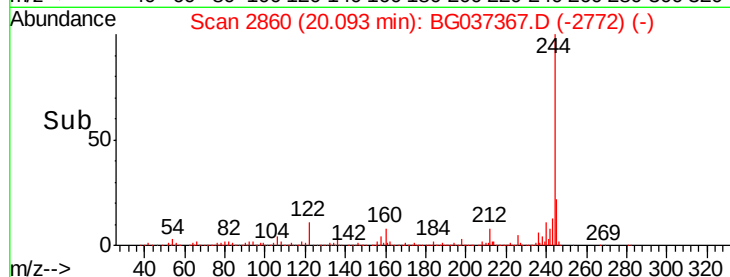
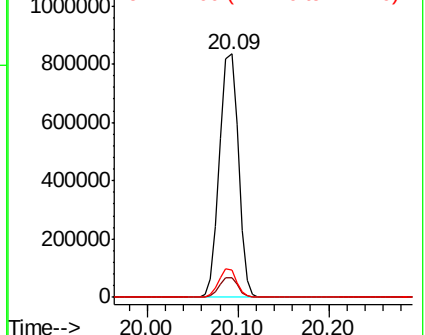


Abundance

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: 25.11 min Scan# 3714

Delta R.T. -0.03 min

Lab File: BG037367.D

Acq: 16 Oct 2018 20:06

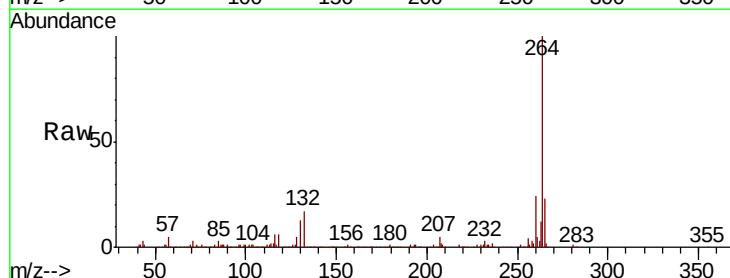
Tgt Ion:264 Resp: 477747

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.4
265	22.8	17.9	26.9

264 100

260 23.8 18.2 27.4

265 22.8 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

