

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037366.D
 Acq On : 16 Oct 2018 19:27
 Operator : JU/SJ
 Sample : J5524-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 01:39:31 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	63592	20.00	ng	-0.01
21) Naphthalene-d8	10.93	136	276300	20.00	ng	-0.02
39) Acenaphthene-d10	14.75	164	182694	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	462507	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	421252	20.00	ng	-0.02
87) Perylene-d12	25.12	264	434445	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	570485	157.88	ng	0.00
7) Phenol-d6	7.25	99	829924	151.32	ng	0.00
23) Nitrobenzene-d5	9.29	82	475786	113.21	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	314599	175.59	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	1128032	92.73	ng	-0.01
79) Terphenyl-d14	20.09	244	1682399	83.86	ng	-0.01

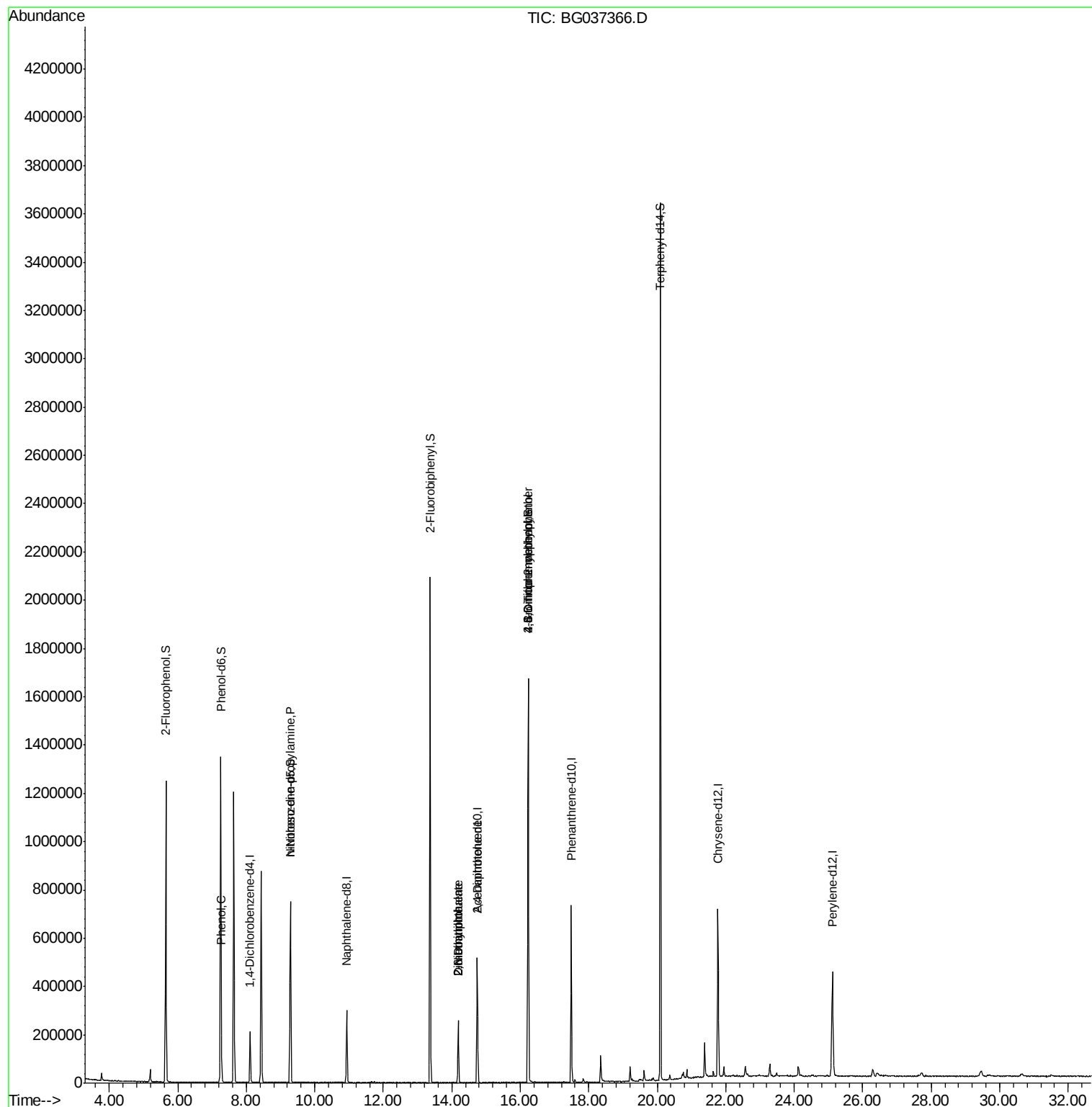
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.28	94	41122	7.119	ng	95
19) n-Nitroso-di-n-propylamine	9.29	70	61131	14.722	ng	# 70
48) 2-Nitroaniline	14.19	65	1708	6.244	ng	# 1
50) Dimethylphthalate	14.19	163	180054	12.541	ng	99
51) 2,6-Dinitrotoluene	14.19	165	1932	5.434	ng	# 20
57) 2,4-Dinitrotoluene	14.75	165	24719	11.557	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.23	198	1064	6.590	ng	# 71
67) 4-Bromophenyl-phenylether	16.23	248	23294	4.667	ng	# 1

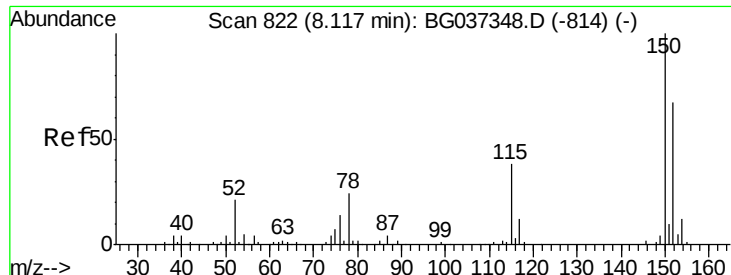
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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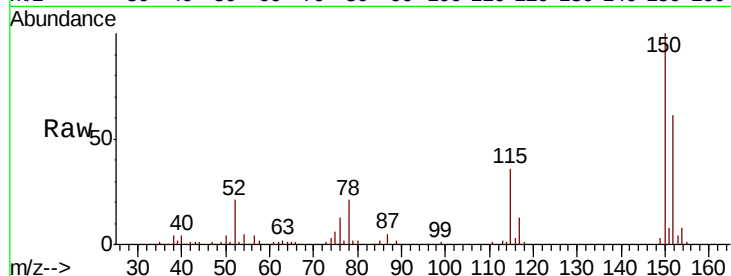


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.9	126.0	189.0
115	58.5	45.5	68.3

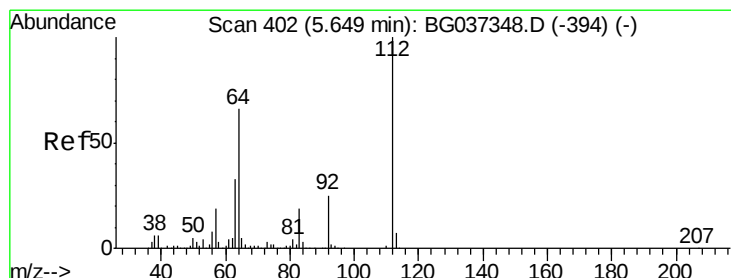
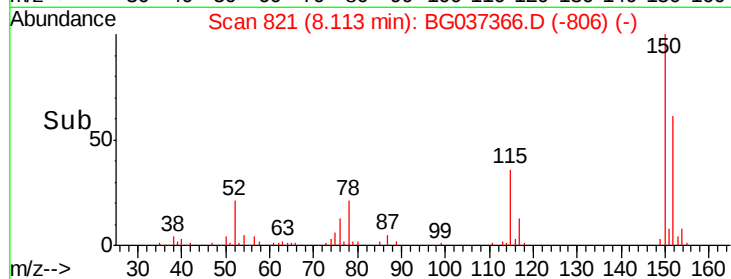
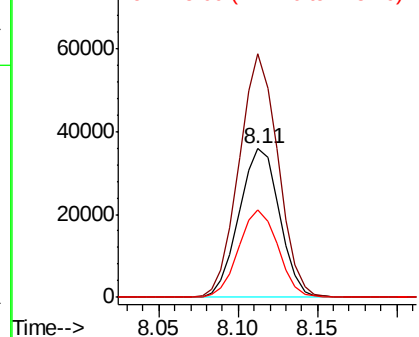


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

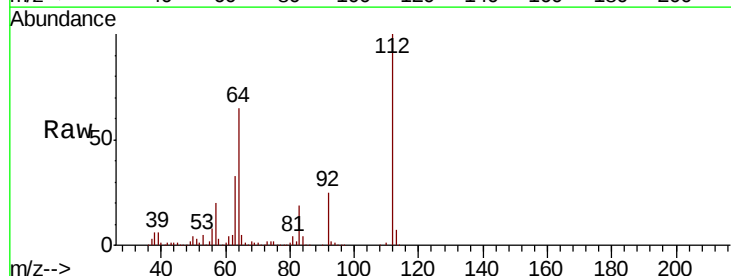
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 157.881 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	53.1	79.7
63	33.3	27.3	40.9

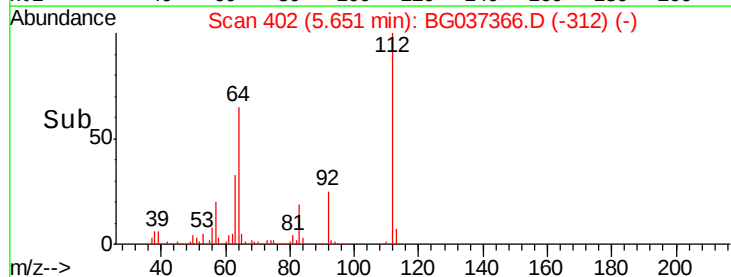
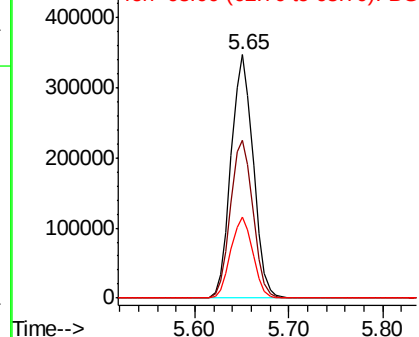


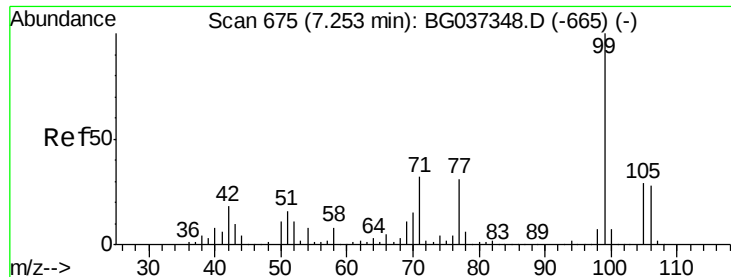
Abundance

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: 151.321 ng

RT: 7.25 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037366.D

Acq: 16 Oct 2018 19:27

Instrument :

BNA_G

ClientSampleId :

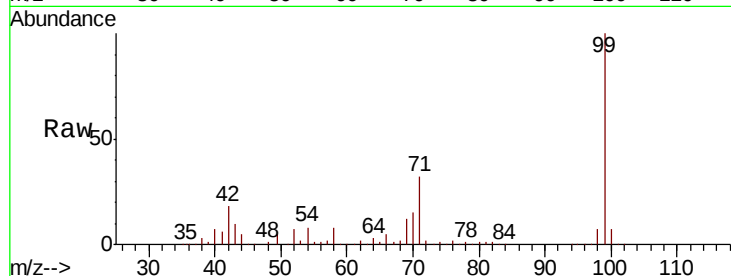
Tot Ion: 99 Resp: 829924

Ion Ratio Lower Upper

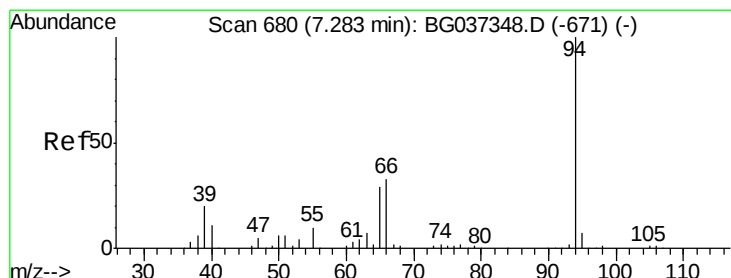
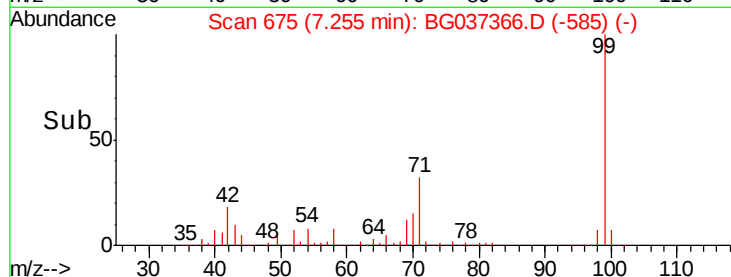
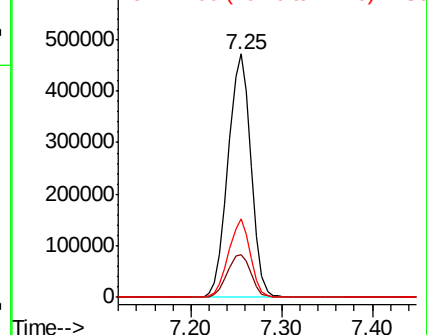
99 100

42 17.7 15.0 22.4

71 32.2 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: 7.119 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG037366.D

Acq: 16 Oct 2018 19:27

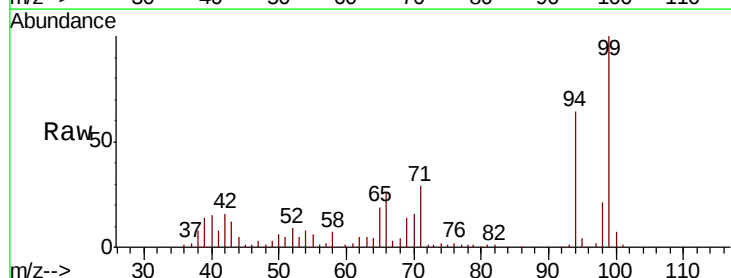
Tgt Ion: 94 Resp: 41122

Ion Ratio Lower Upper

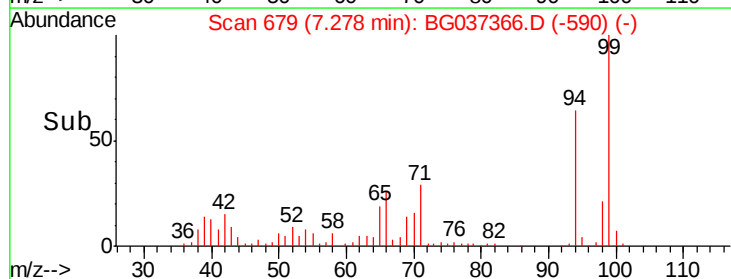
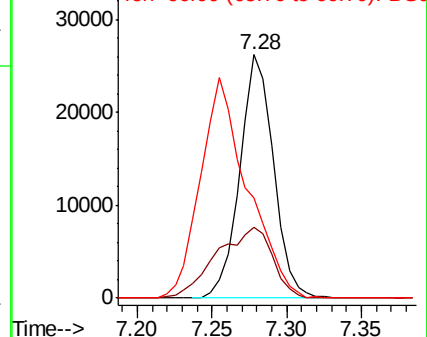
94 100

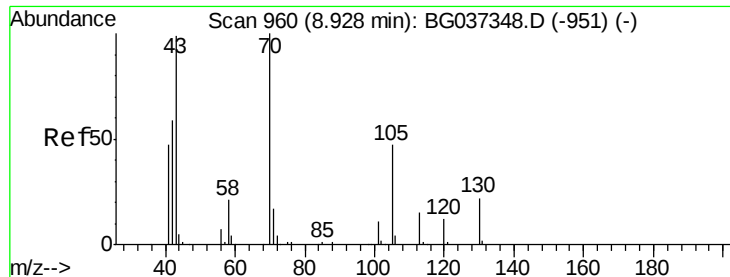
65 29.1 9.7 49.7

66 41.2 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

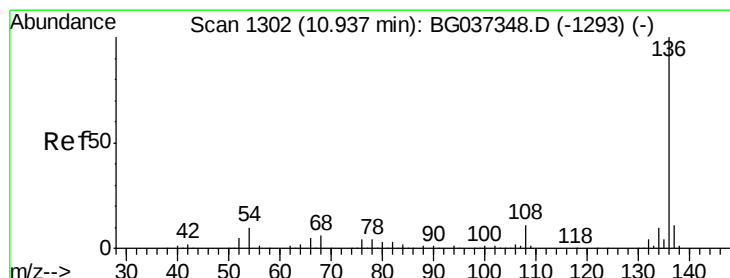
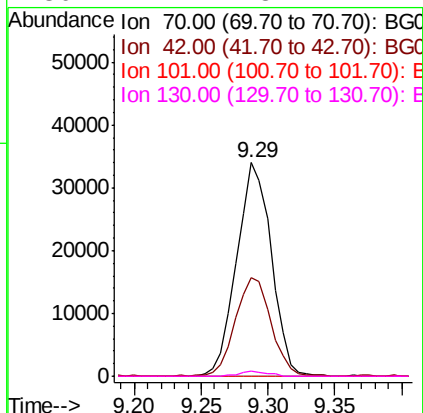
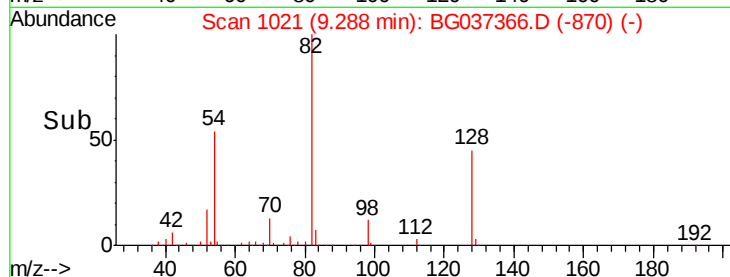
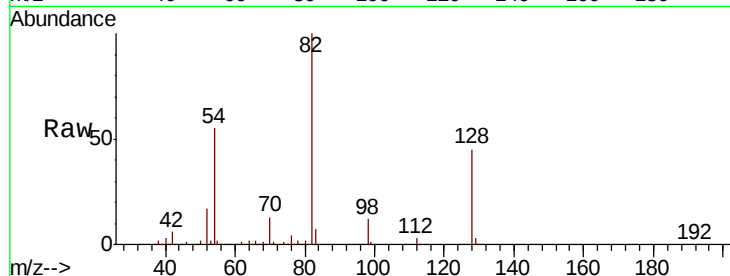




#19
n-Nitroso-di-n-propylamine
Concen: 14.722 ng
RT: 9.29 min Scan# 1021
Delta R.T. 0.36 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

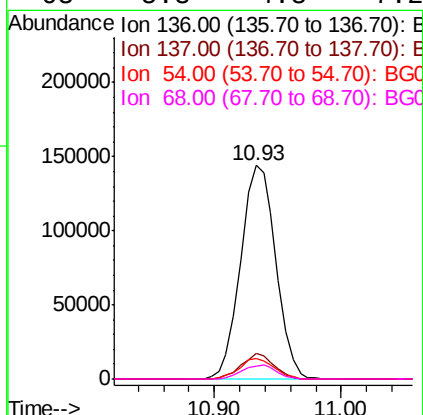
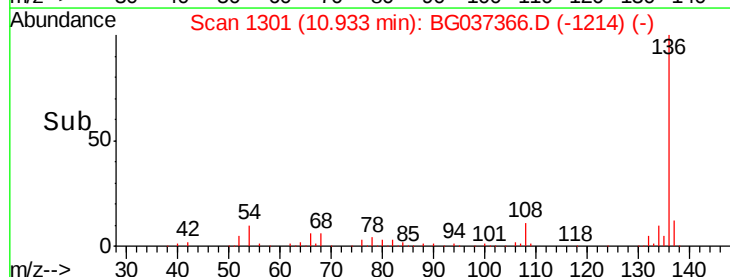
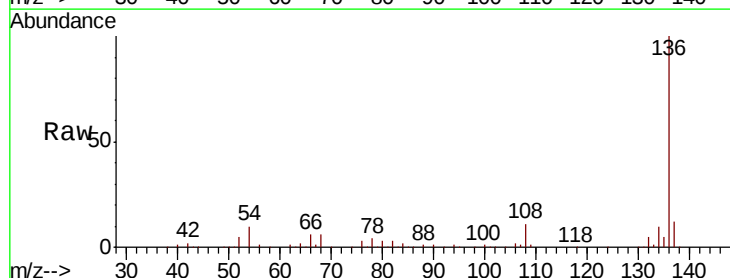
Instrument :
BNA_G
ClientSampleId :

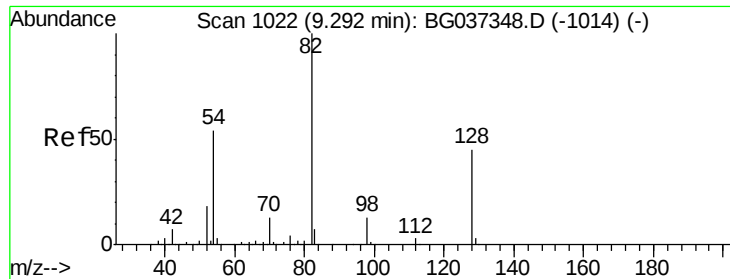
Tot Ion: 70 Resp: 61131
Ion Ratio Lower Upper
70 100
42 46.1 53.9 80.9#
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

Tgt Ion: 136 Resp: 276300
Ion Ratio Lower Upper
136 100
137 11.9 9.6 14.4
54 9.8 7.9 11.9
68 5.8 4.8 7.2

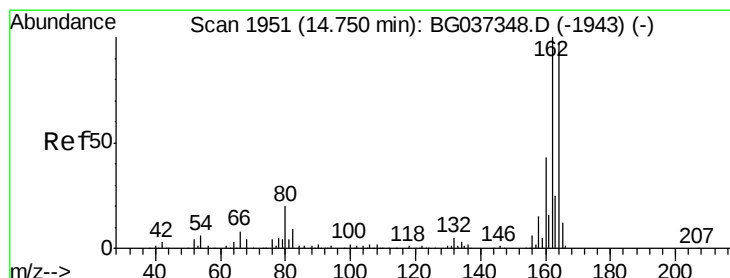
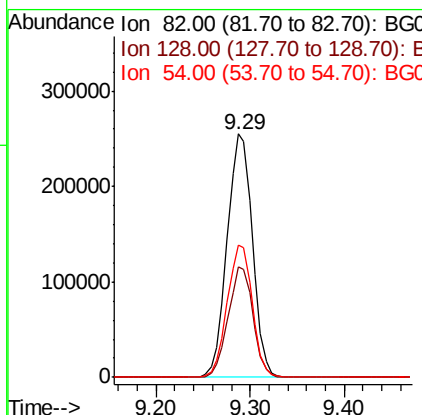
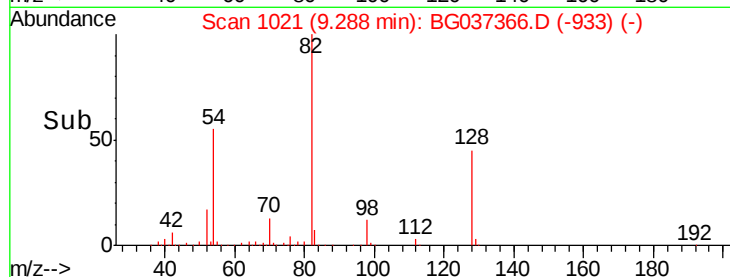
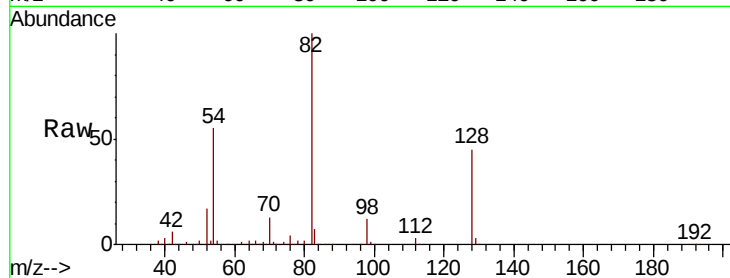




#23
 Nitrobenzene-d5
 Concen: 113.212 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BG037366.D
 Acq: 16 Oct 2018 19:27

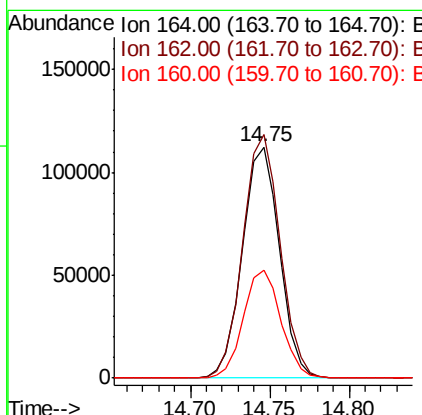
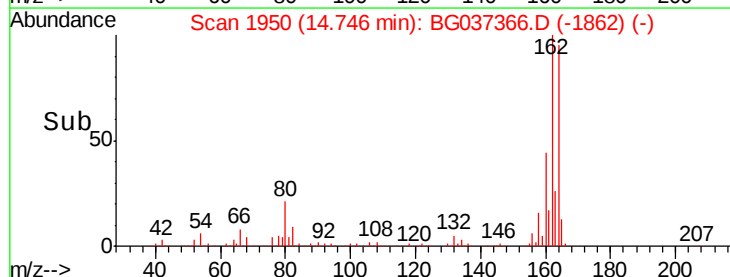
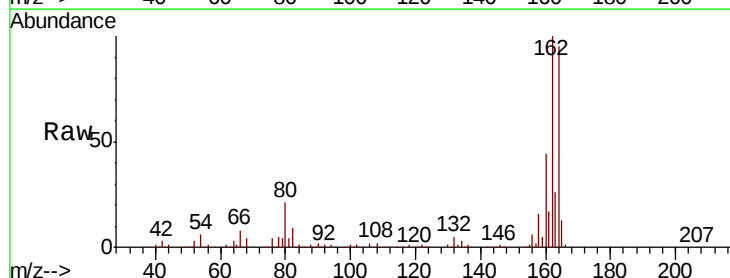
Instrument :
 BNA_G
 ClientSampleId :

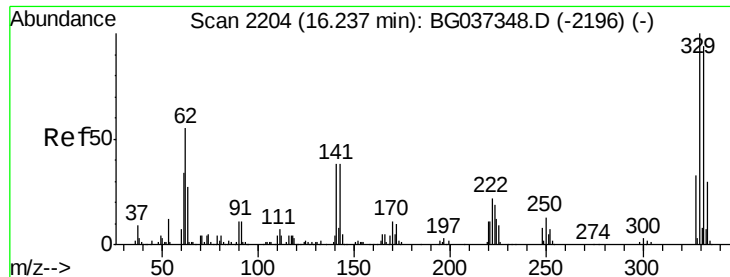
Tot Ion	82	Resp	475786
Ion Ratio	100	Lower	Upper
128	45.4	34.6	51.8
54	54.5	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.75 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BG037366.D
 Acq: 16 Oct 2018 19:27

Tgt Ion	164	Resp	182694
Ion Ratio	100	Lower	Upper
162	105.4	81.3	121.9
160	46.7	36.3	54.5

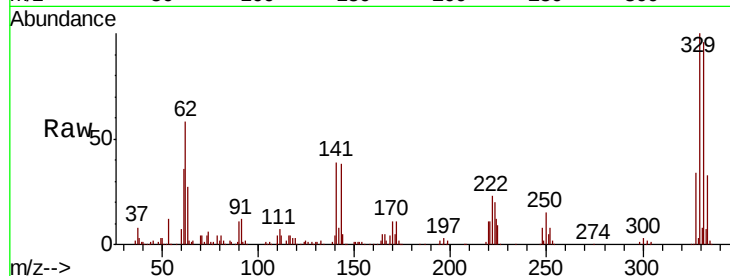




#42
 2,4,6-Tribromophenol
 Concen: 175.585 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: BG037366.D
 Acq: 16 Oct 2018 19:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.4	117.6
141	38.7	32.2	48.2

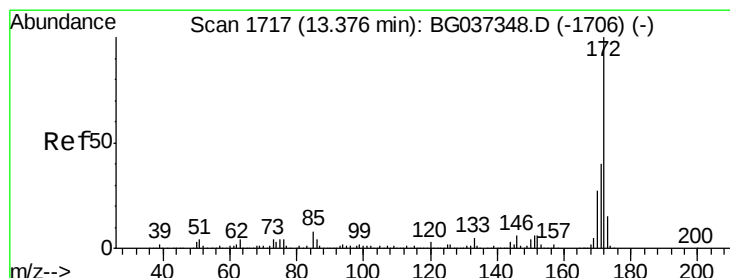
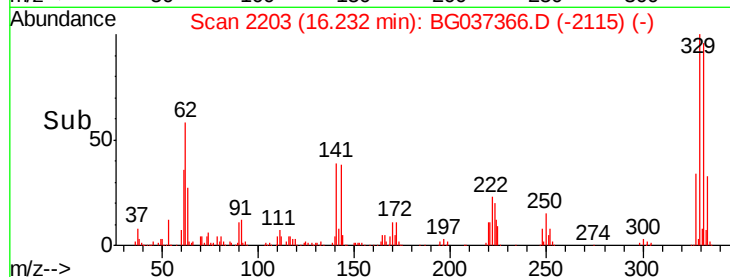
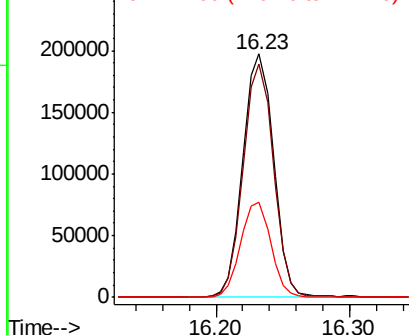


Abundance

Ion 329.80 (329.50 to 330.50): E

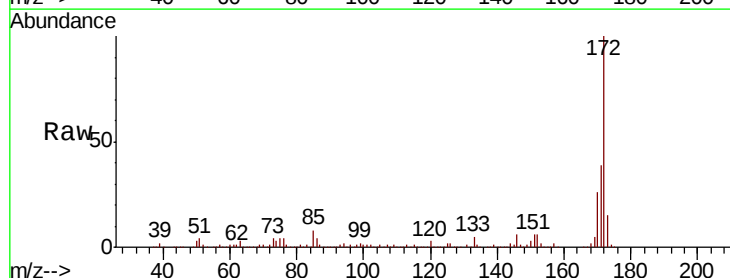
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.725 ng
 RT: 13.37 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG037366.D
 Acq: 16 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.0	46.4
170	25.8	20.2	30.2

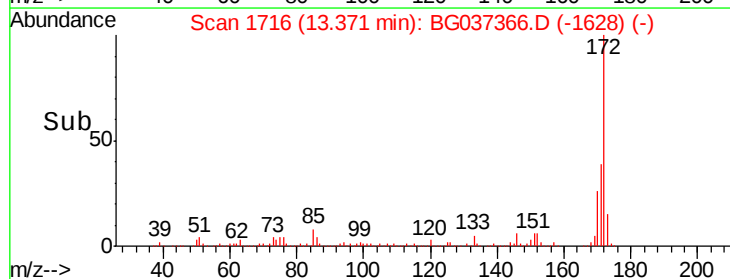
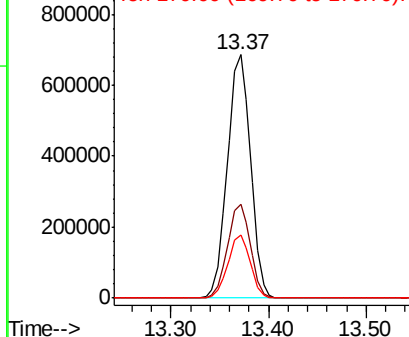


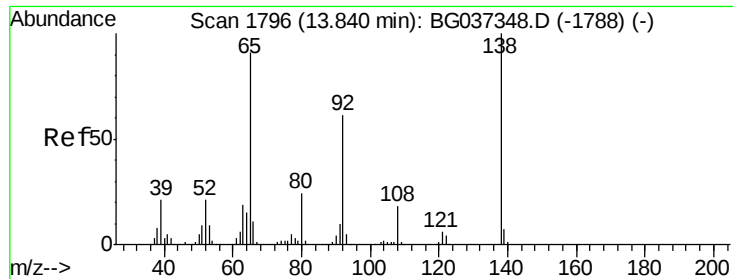
Abundance

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

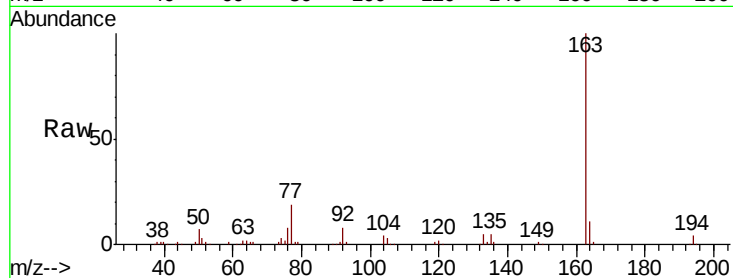




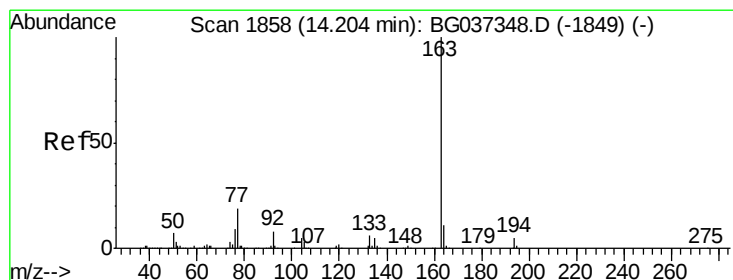
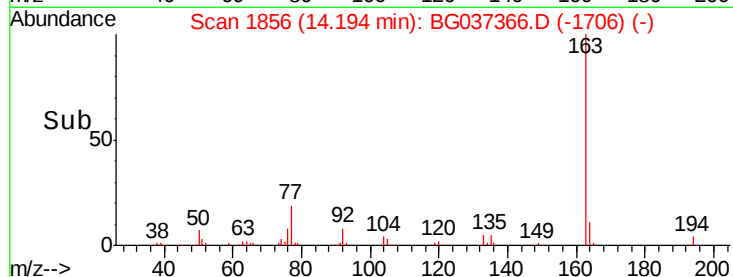
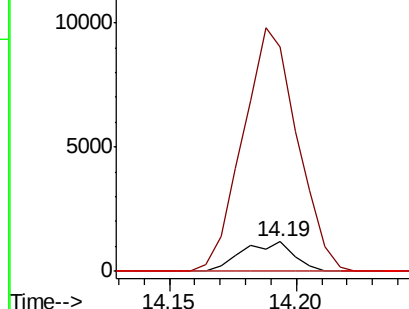
#48
2-Nitroaniline
Concen: 6.244 ng
RT: 14.19 min Scan# 1856
Delta R.T. 0.35 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

Instrument :
BNA_G
ClientSampled :

Tot Ion: 65 Resp: 1708
Ion Ratio Lower Upper
65 100
92 757.9 53.2 79.8#
138 0.0 79.3 118.9#

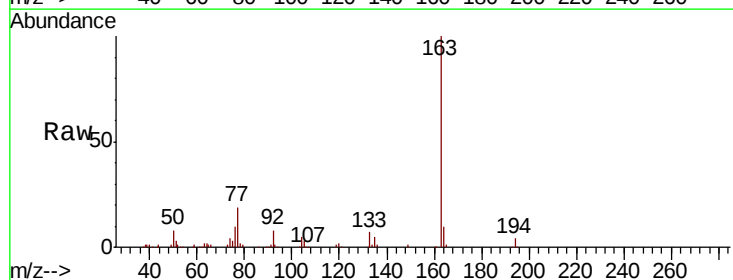


Abundance Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG
Ion 138.00 (137.70 to 138.70): E

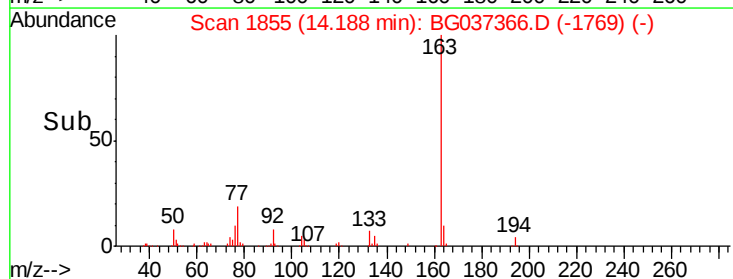
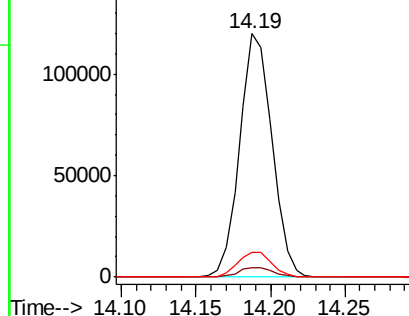


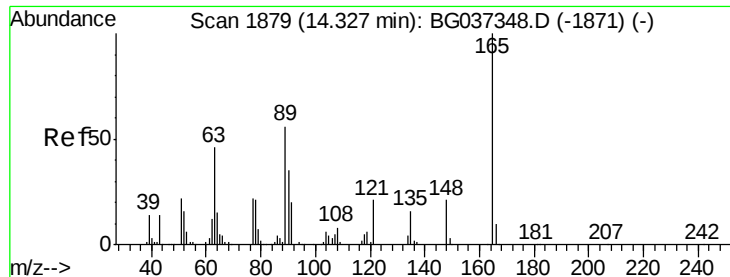
#50
Dimethylphthalate
Concen: 12.541 ng
RT: 14.19 min Scan# 1855
Delta R.T. -0.02 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

Tgt Ion:163 Resp: 180054
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 10.4 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: 5.434 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.15 min

Lab File: BG037366.D

Acq: 16 Oct 2018 19:27

Instrument :

BNA_G

ClientSampleId :

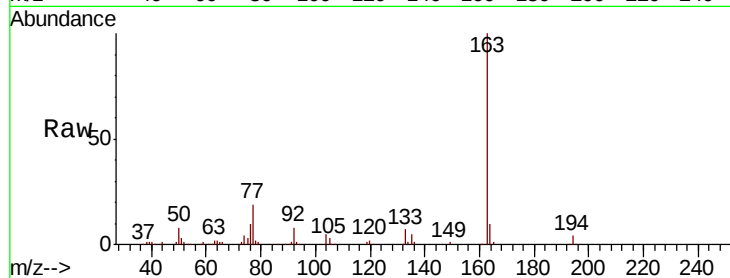
Tot Ion:165 Resp: 1932

Ion Ratio Lower Upper

165 100

63 128.0 43.4 65.2#

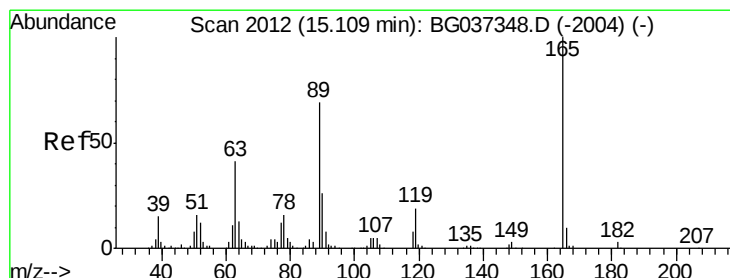
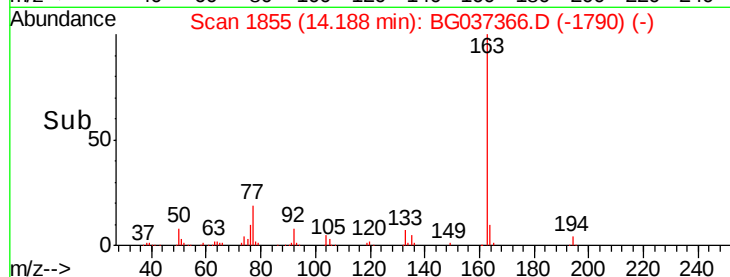
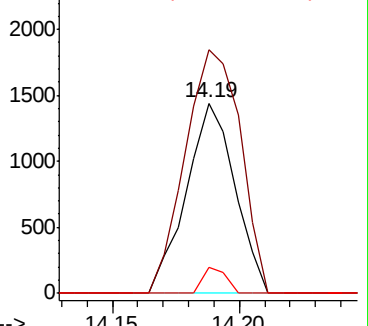
89 13.9 45.8 68.6#



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: 11.557 ng

RT: 14.75 min Scan# 1950

Delta R.T. -0.37 min

Lab File: BG037366.D

Acq: 16 Oct 2018 19:27

Tgt Ion:165 Resp: 24719

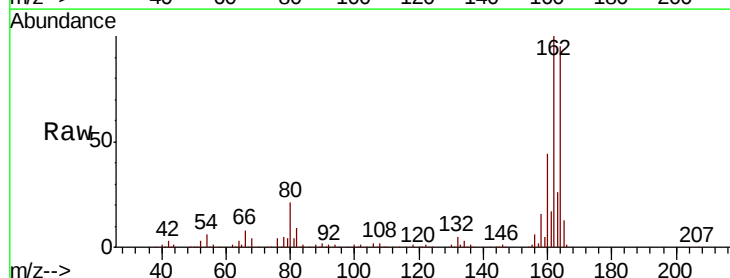
Ion Ratio Lower Upper

165 100

63 1.2 33.4 50.0#

89 2.6 57.2 85.8#

182 0.0 2.6 4.0#

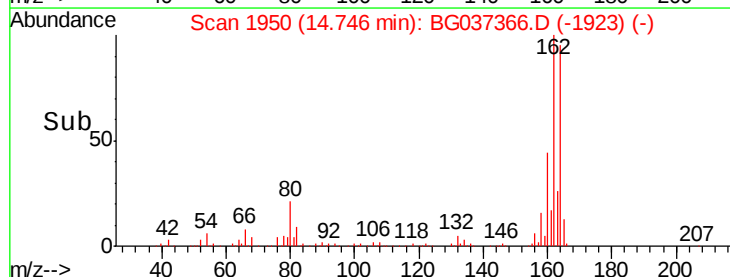
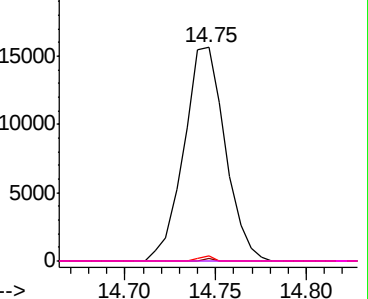


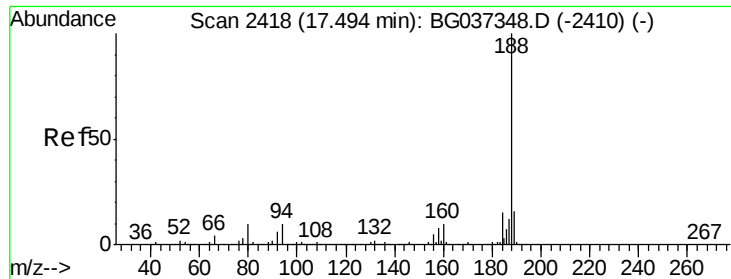
Abundance Ion 165.00 (164.70 to 165.70): E

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

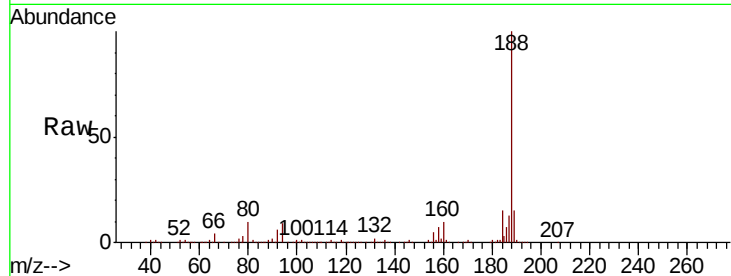




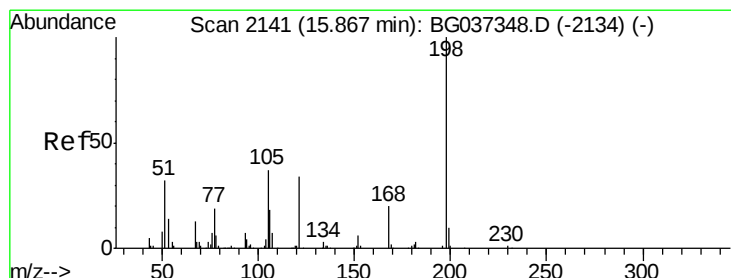
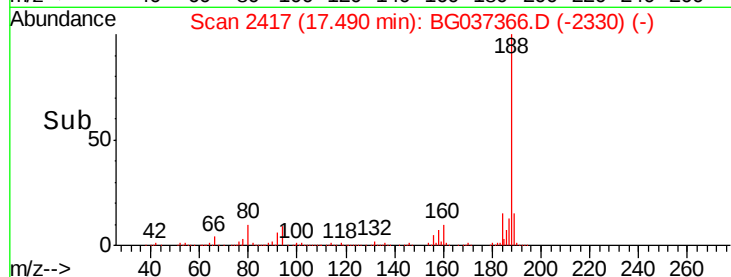
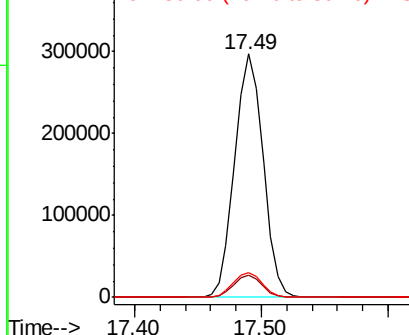
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 462507
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 10.1 7.7 11.5

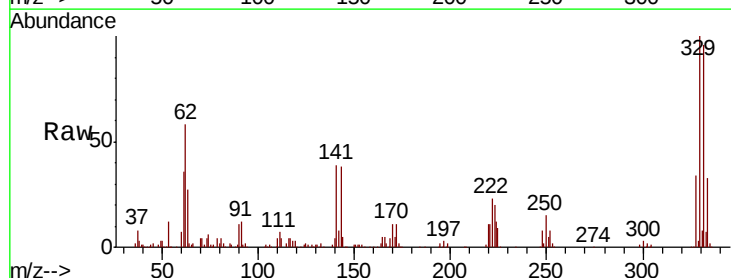


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

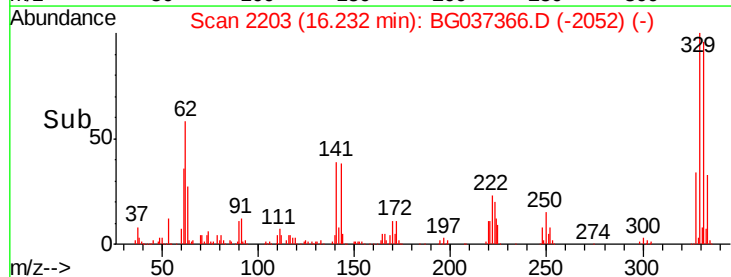
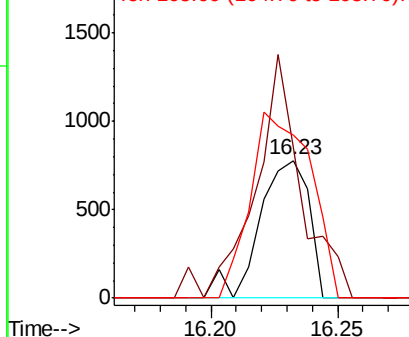


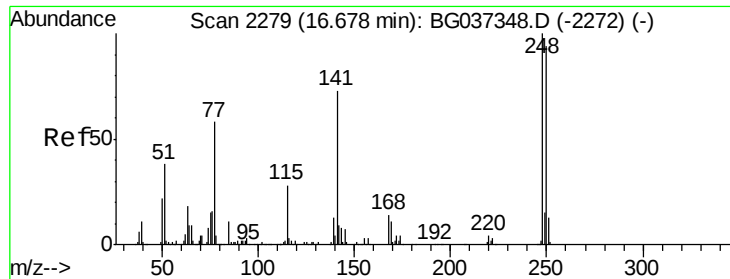
#65
4,6-Dinitro-2-methylphenol
Concen: 6.590 ng
RT: 16.23 min Scan# 2203
Delta R.T. 0.36 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

Tgt Ion:198 Resp: 1064
Ion Ratio Lower Upper
198 100
51 22.2 22.7 62.7#
105 24.1 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

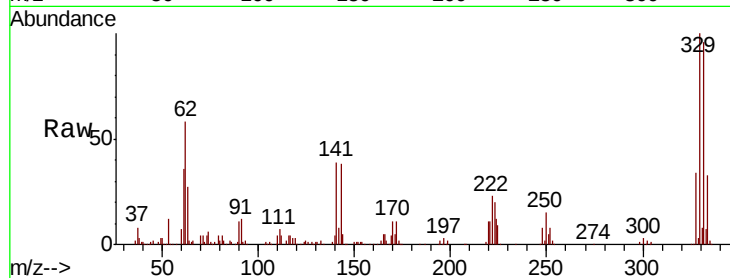




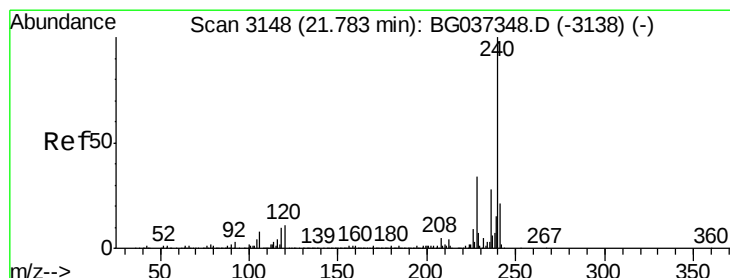
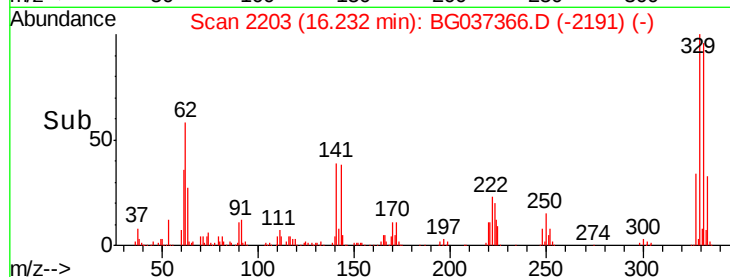
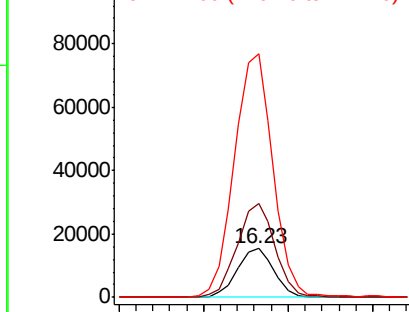
#67
4-Bromophenyl-phenylether
Concen: 4.667 ng
RT: 16.23 min Scan# 2203
Delta R.T. -0.46 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 23294
Ion Ratio Lower Upper
248 100
250 195.3 77.0 115.6#
141 391.4 55.5 83.3#

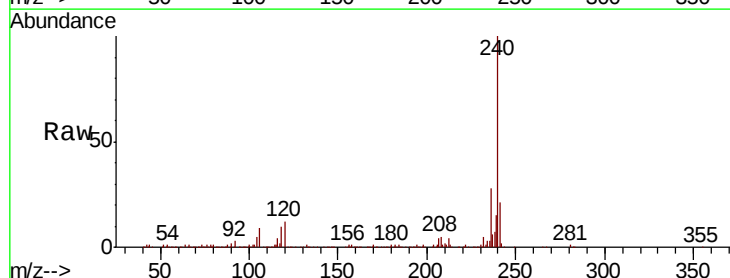


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

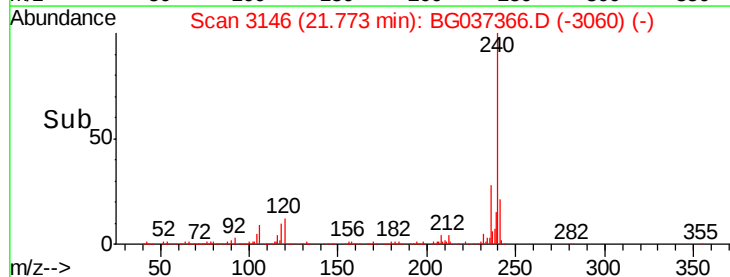
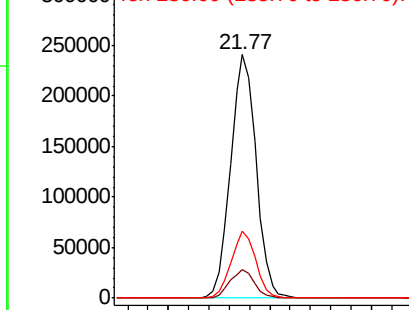


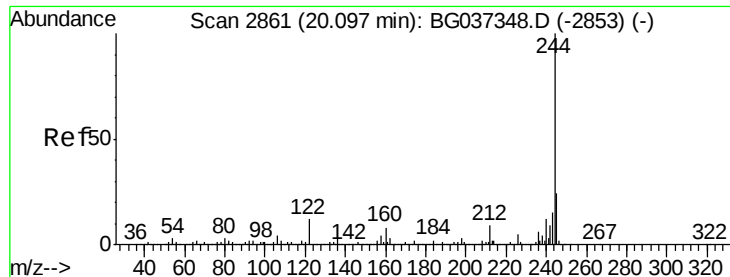
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG037366.D
Acq: 16 Oct 2018 19:27

Tgt Ion:240 Resp: 421252
Ion Ratio Lower Upper
240 100
120 11.5 8.1 12.1
236 27.6 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: 83.860 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG037366.D

Acq: 16 Oct 2018 19:27

Instrument :

BNA_G

ClientSampleId :

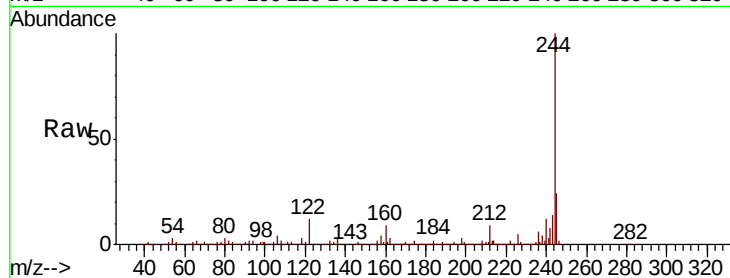
Tot Ion:244 Resp: 1682399

Ion	Ratio	Lower	Upper
244	100		
212	9.3	6.5	9.7
122	11.7	9.0	13.4

244 100

212 9.3 6.5 9.7

122 11.7 9.0 13.4

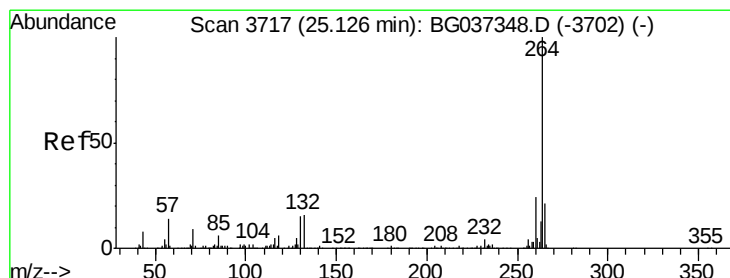
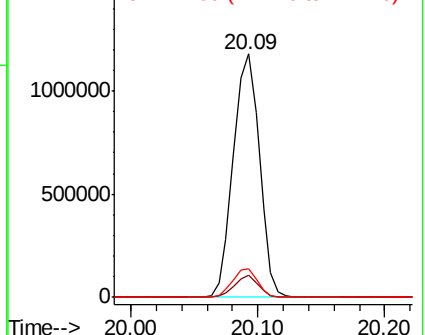
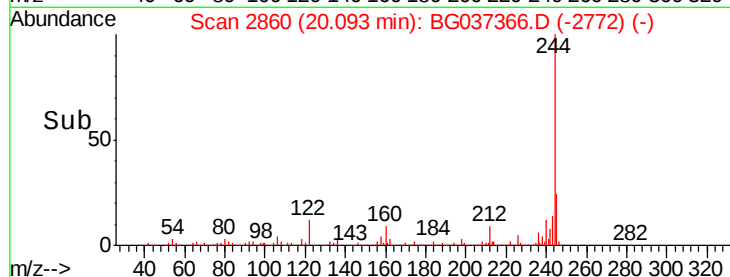


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 25.12 min Scan# 3715

Delta R.T. -0.03 min

Lab File: BG037366.D

Acq: 16 Oct 2018 19:27

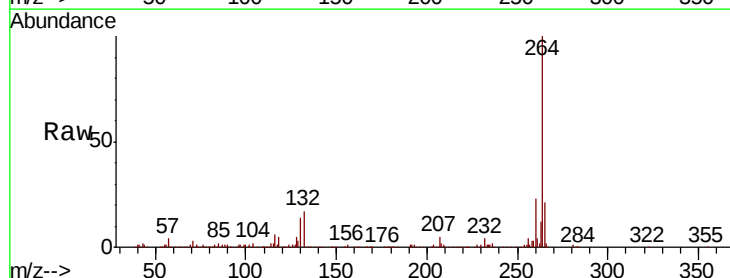
Tgt Ion:264 Resp: 434445

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	20.6	17.9	26.9

264 100

260 23.3 18.2 27.4

265 20.6 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

