

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037382.D
 Acq On : 17 Oct 2018 8:54
 Operator : JU/SJ
 Sample : J5524-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 11:18:23 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

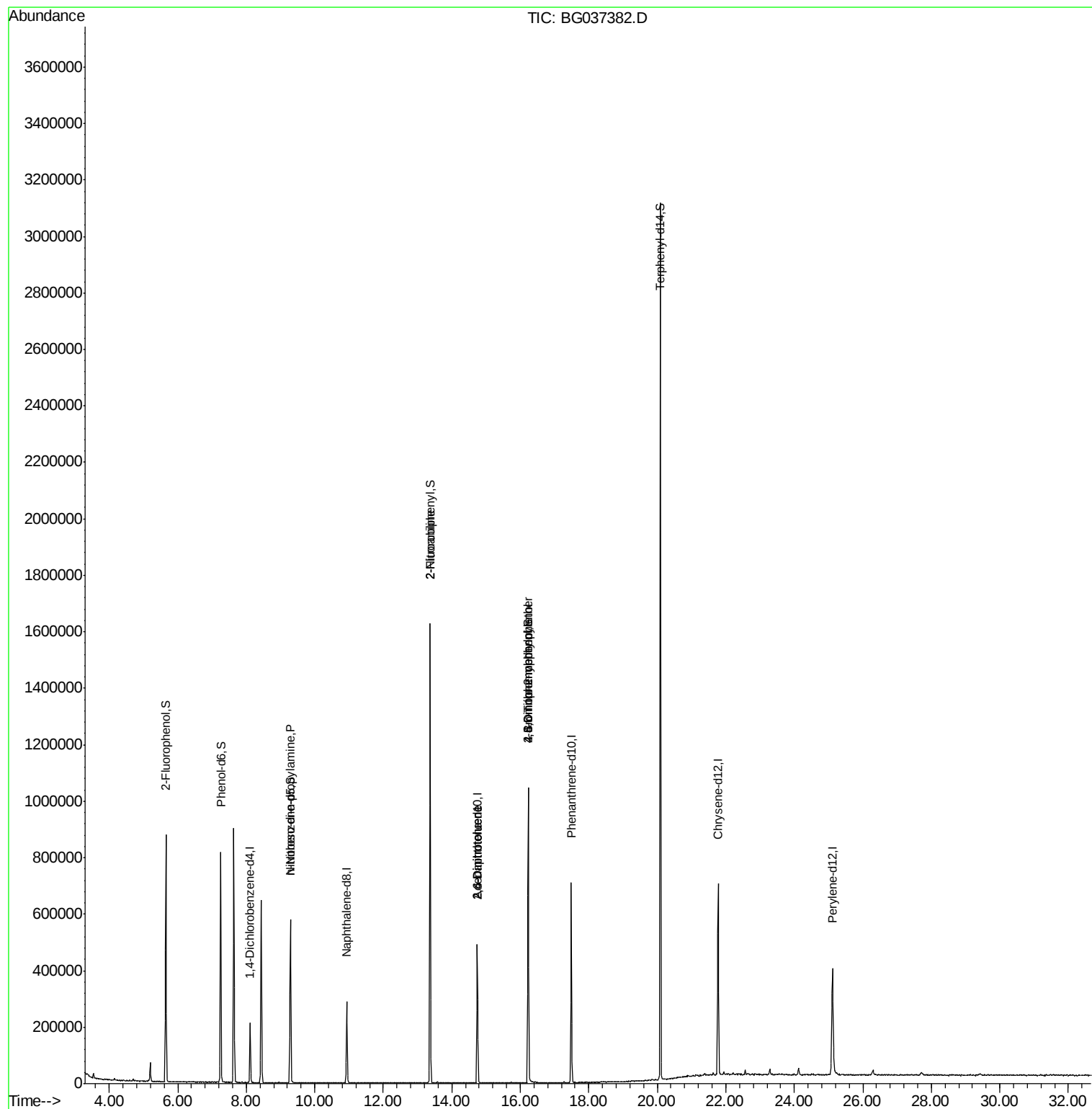
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	62219	20.00	ng	-0.01
21) Naphthalene-d8	10.93	136	260506	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	175327	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	441559	20.00	ng	-0.02
76) Chrysene-d12	21.78	240	417534	20.00	ng	-0.02
87) Perylene-d12	25.11	264	415624	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	399063	112.88	ng	0.00
7) Phenol-d6	7.25	99	515867	96.13	ng	0.00
23) Nitrobenzene-d5	9.29	82	358140	90.39	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	189624	110.28	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	852786	73.05	ng	-0.01
79) Terphenyl-d14	20.09	244	1427357	71.78	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	44808	11.029	ng	# 76
48) 2-Nitroaniline	13.37	65	1511	6.206	ng	# 19
51) 2,6-Dinitrotoluene	14.74	165	22150	12.257	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	22150	11.145	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	629	6.344	ng	# 66
67) 4-Bromophenyl-phenylether	16.23	248	13536	2.840	ng	# 1

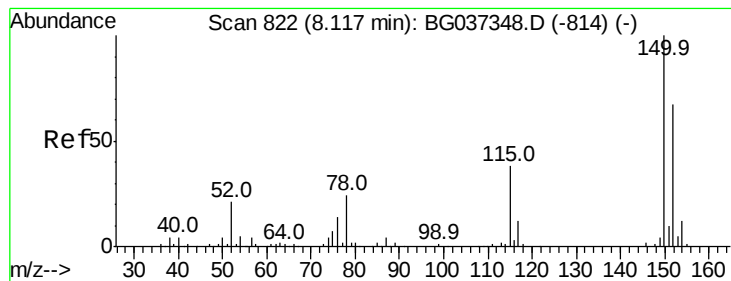
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



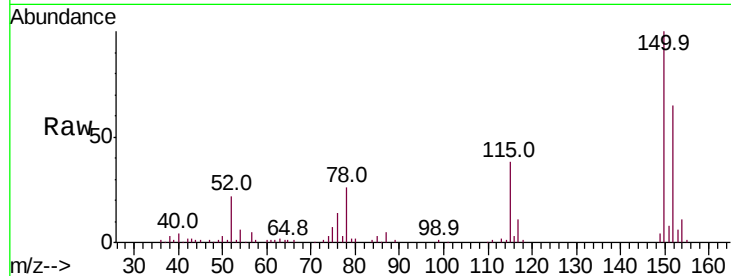


#1

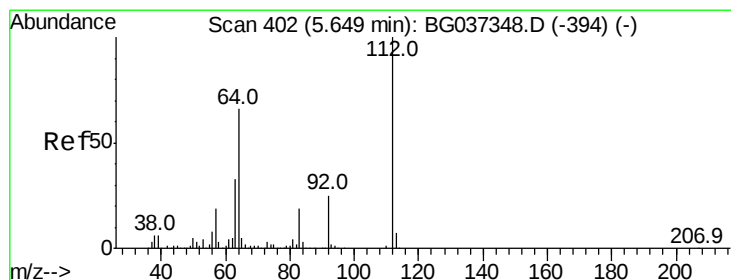
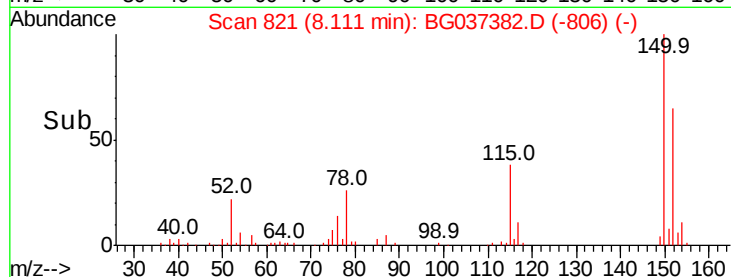
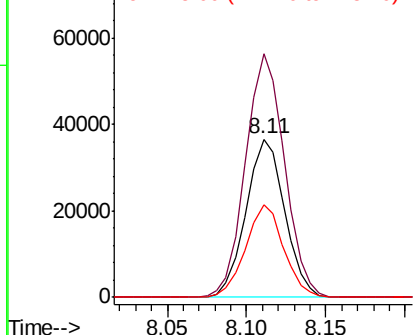
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62219
Ion Ratio Lower Upper
152 100
150 153.8 126.0 189.0
115 58.2 45.5 68.3



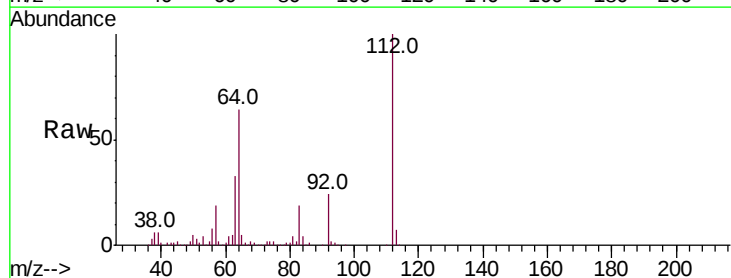
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



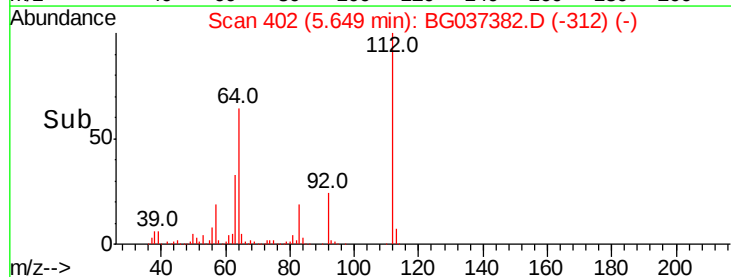
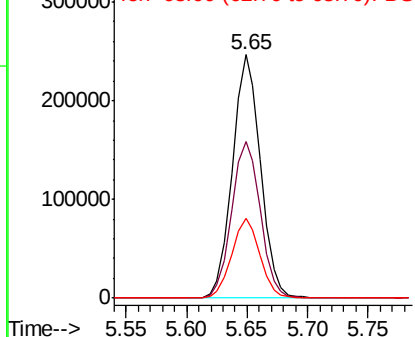
#5

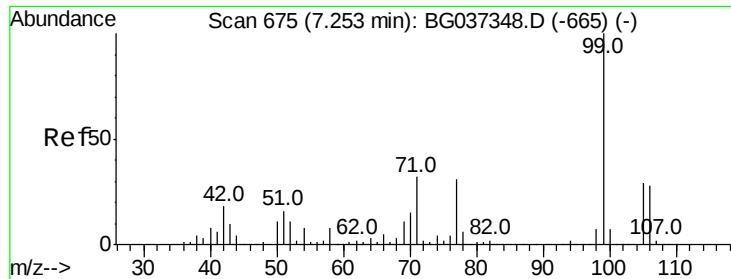
2-Fluorophenol
Concen: 112.878 ng
RT: 5.65 min Scan# 402
Delta R.T. -0.00 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

Tgt Ion:112 Resp: 399063
Ion Ratio Lower Upper
112 100
64 64.4 53.1 79.7
63 32.9 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: 96.134 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Instrument :

BNA_G

ClientSampleId :

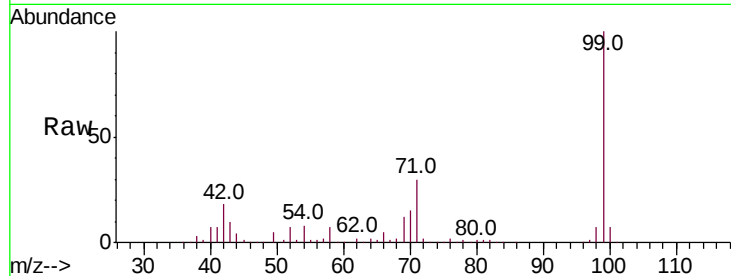
Tot Ion: 99 Resp: 515867

Ion Ratio Lower Upper

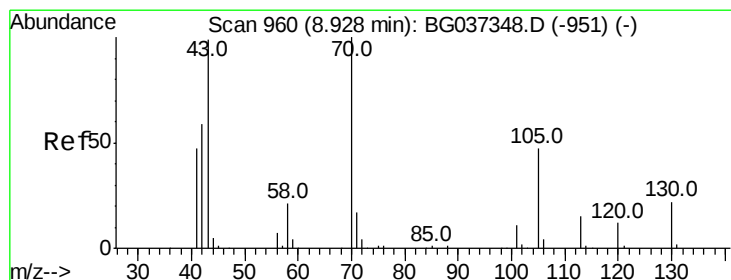
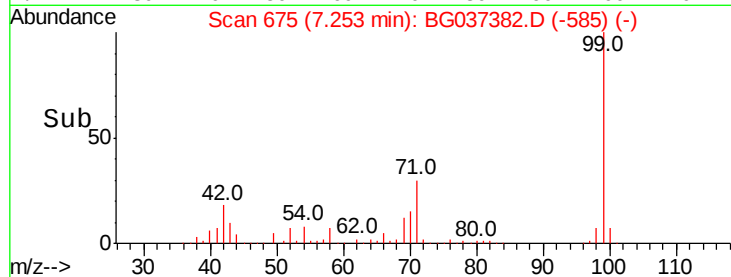
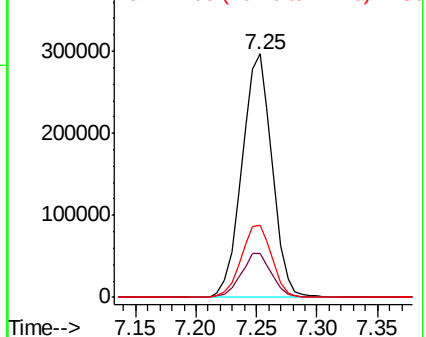
99 100

42 17.8 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: 11.029 ng

RT: 9.29 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Tgt Ion: 70 Resp: 44808

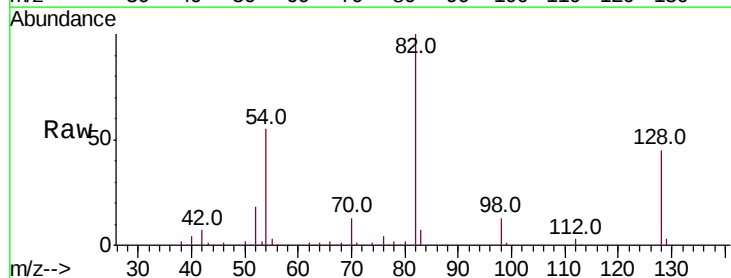
Ion Ratio Lower Upper

70 100

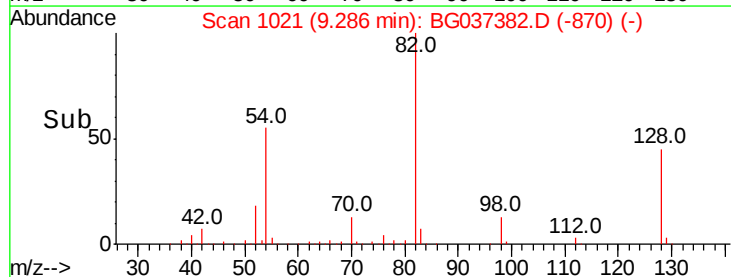
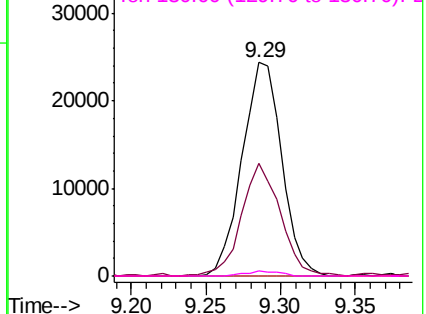
42 52.8 53.9 80.9#

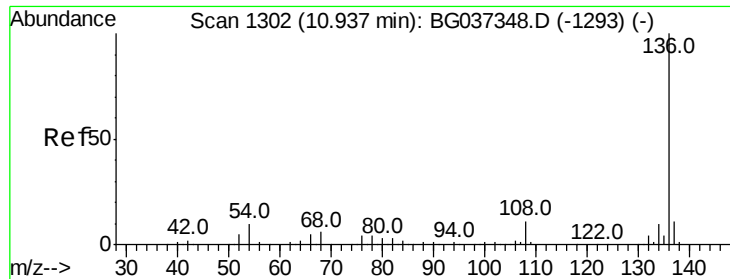
101 0.0 8.2 12.2#

130 2.6 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

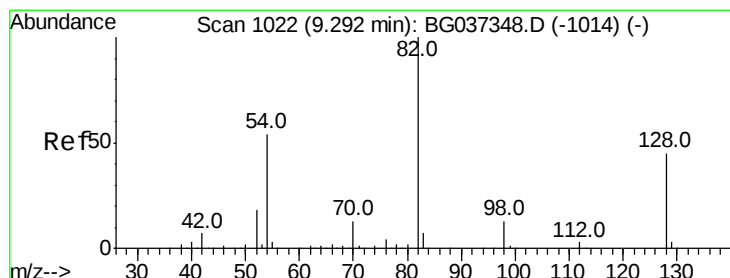
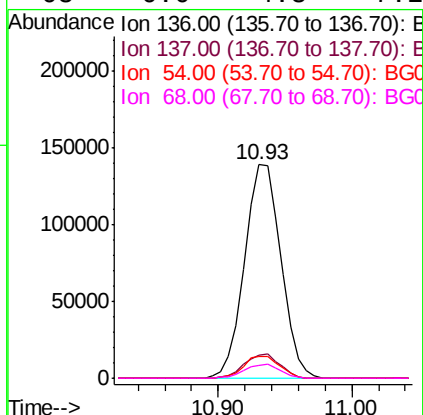
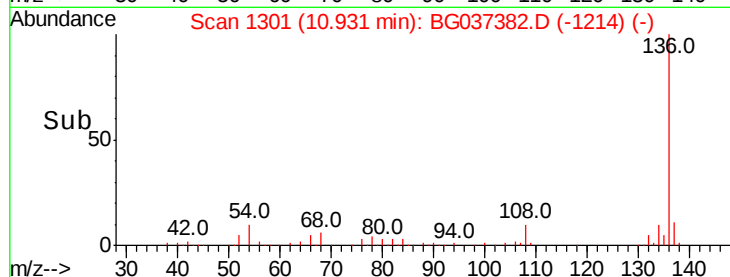
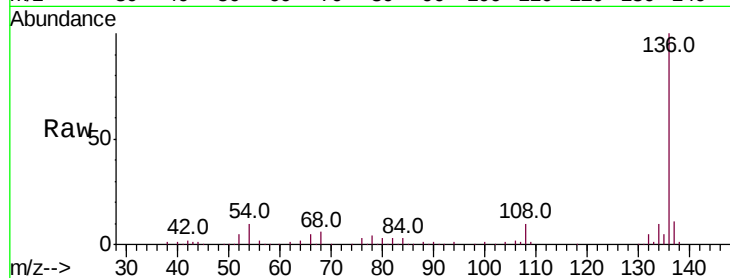




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

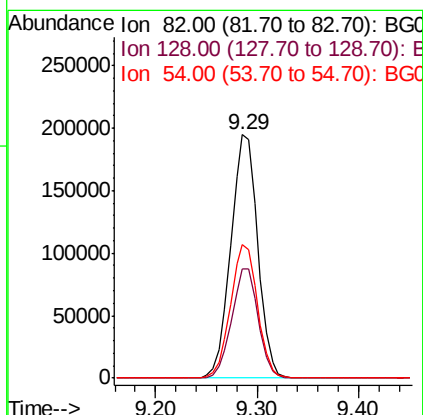
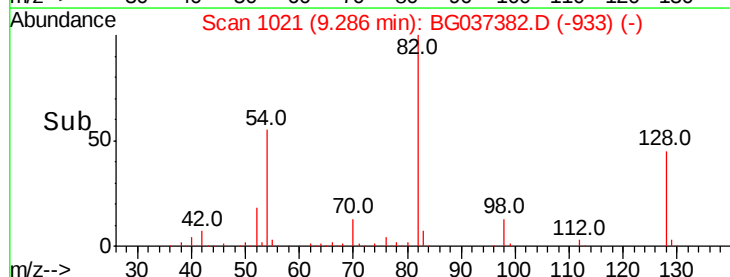
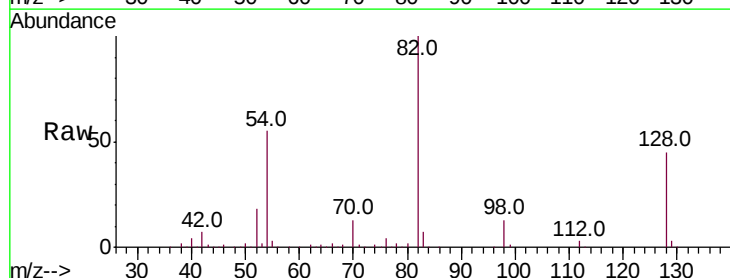
Instrument :
BNA_G
ClientSampleId :

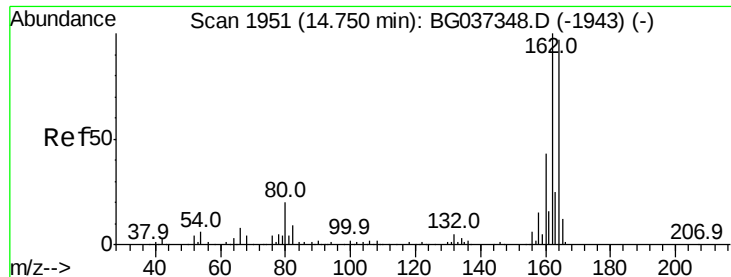
Tot Ion:	136	Resp:	260506
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.6	14.4
54	10.2	7.9	11.9
68	6.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 90.385 ng
RT: 9.29 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

Tgt Ion:	82	Resp:	358140
Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.6	51.8
54	55.0	45.3	67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Instrument :

BNA_G

ClientSampleId :

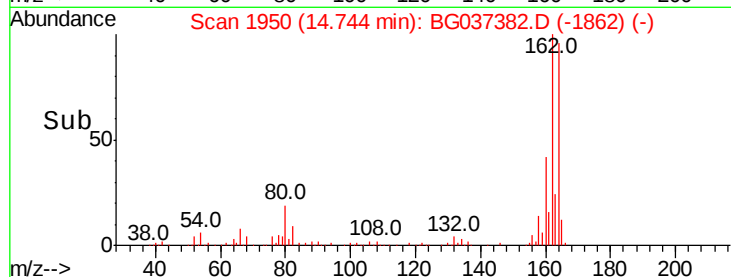
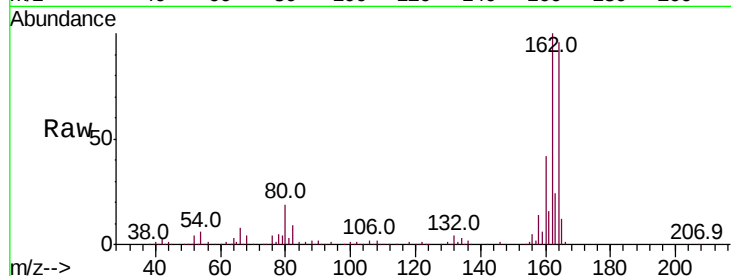
Tot Ion:164 Resp: 175327

Ion Ratio Lower Upper

164 100

162 104.6 81.3 121.9

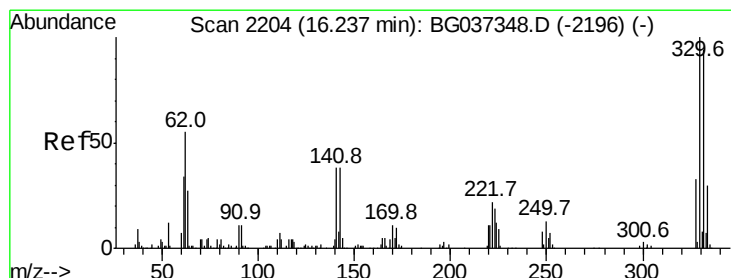
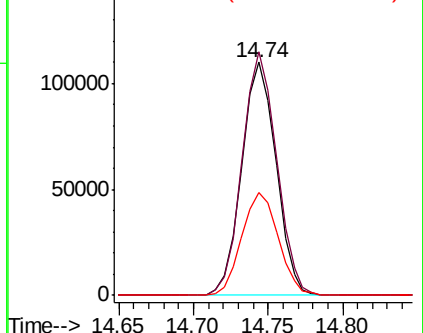
160 44.0 36.3 54.5



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: 110.281 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

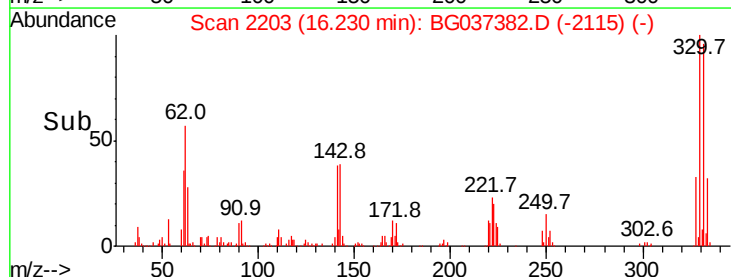
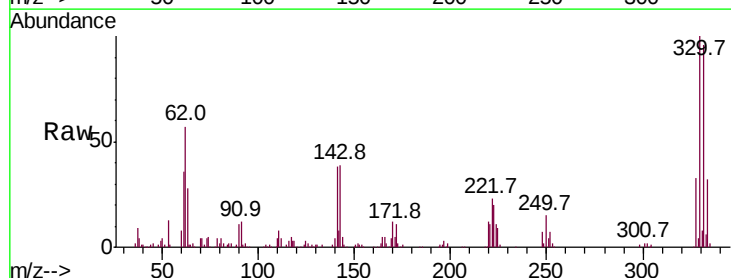
Tgt Ion:330 Resp: 189624

Ion Ratio Lower Upper

330 100

332 95.1 78.4 117.6

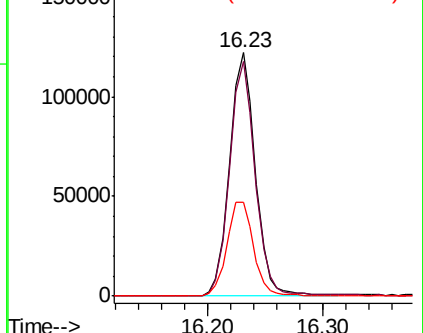
141 40.2 32.2 48.2

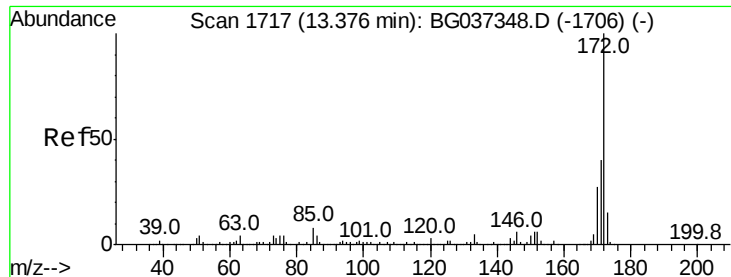


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

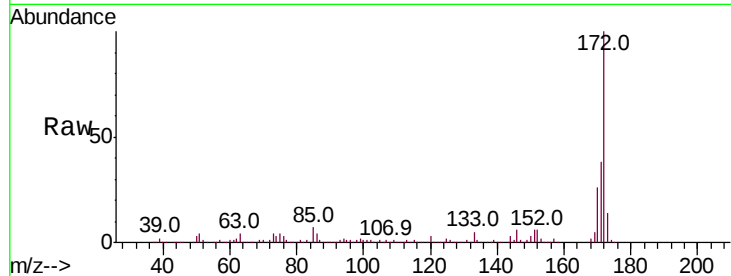




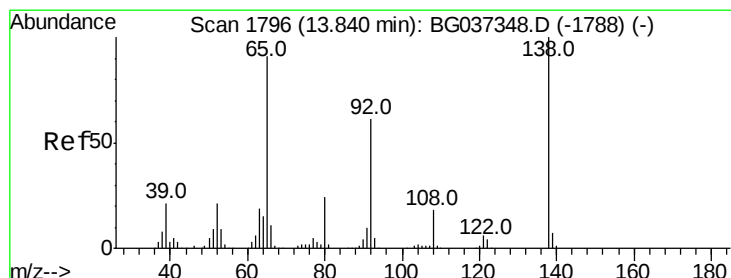
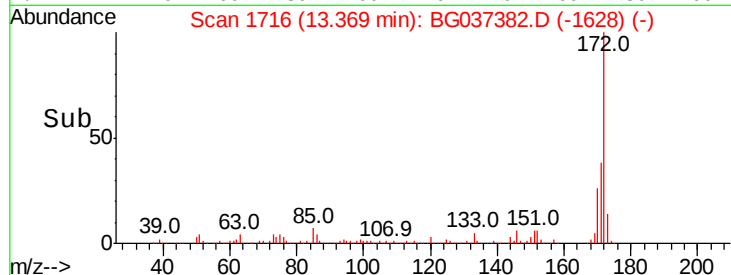
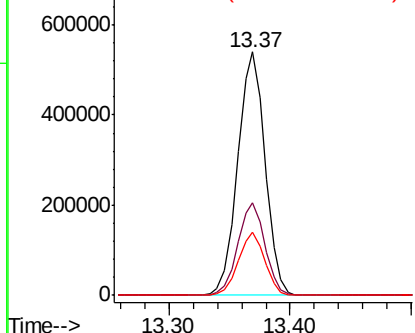
#45
2-Fluorobiphenyl
Concen: 73.045 ng
RT: 13.37 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.0	46.4
170	26.0	20.2	30.2

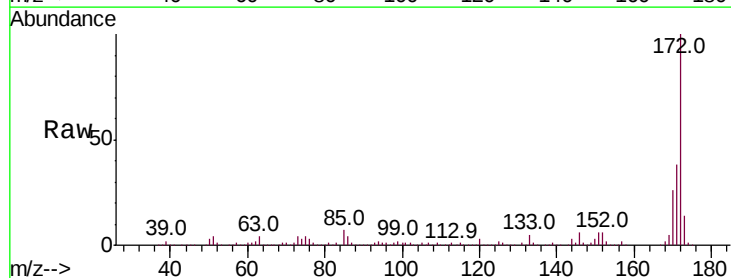


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

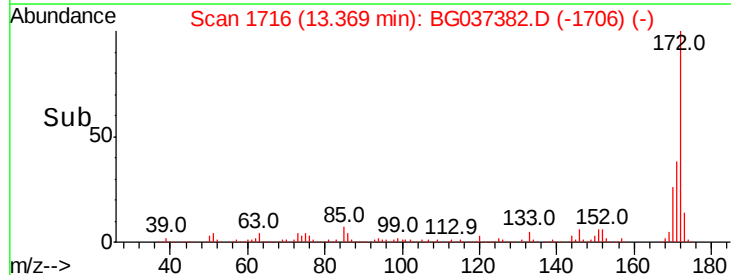
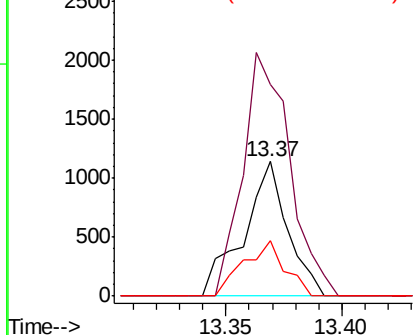


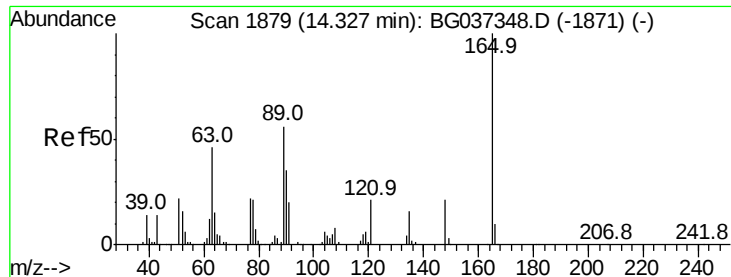
#48
2-Nitroaniline
Concen: 6.206 ng
RT: 13.37 min Scan# 1716
Delta R.T. -0.47 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

Tgt Ion	Ratio	Lower	Upper
65	100		
92	157.6	53.2	79.8#
138	41.3	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): E





#51

2,6-Dinitrotoluene

Concen: 12.257 ng

RT: 14.74 min Scan# 1950

Delta R.T. 0.41 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Instrument :

BNA_G

ClientSampleId :

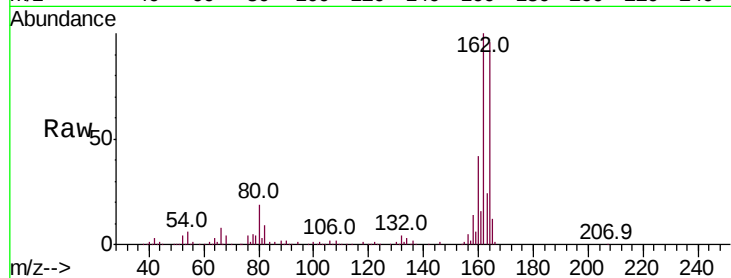
Tot Ion:165 Resp: 22150

Ion Ratio Lower Upper

165 100

63 1.4 43.4 65.2#

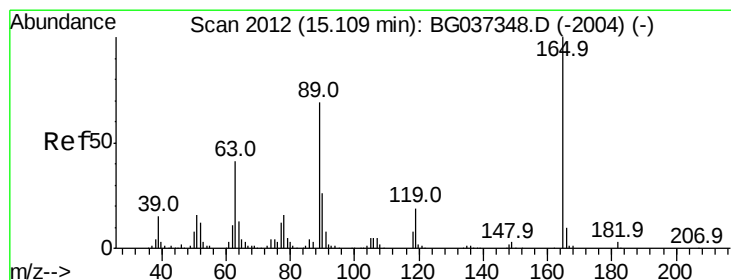
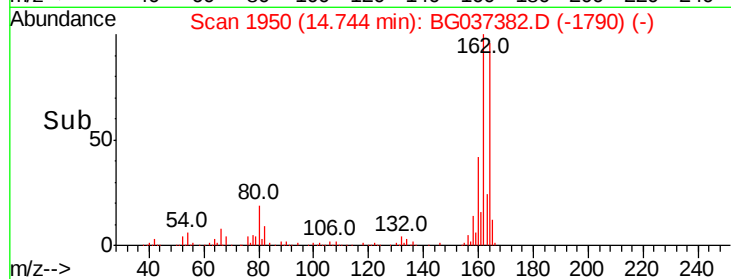
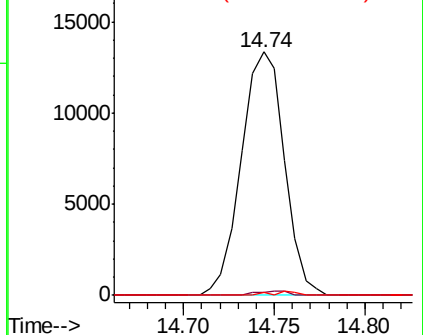
89 1.3 45.8 68.6#



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: 11.145 ng

RT: 14.74 min Scan# 1950

Delta R.T. -0.37 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Tgt Ion:165 Resp: 22150

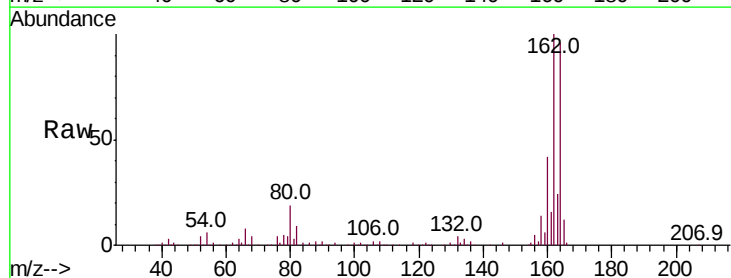
Ion Ratio Lower Upper

165 100

63 1.4 33.4 50.0#

89 1.3 57.2 85.8#

182 0.0 2.6 4.0#

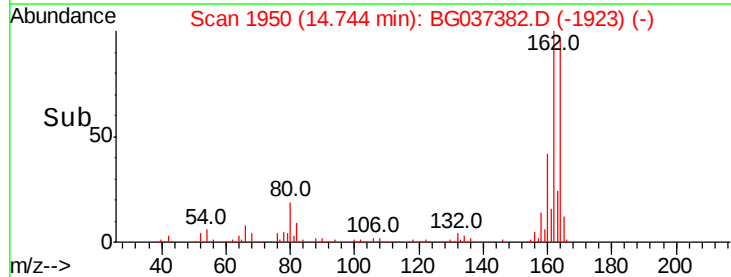
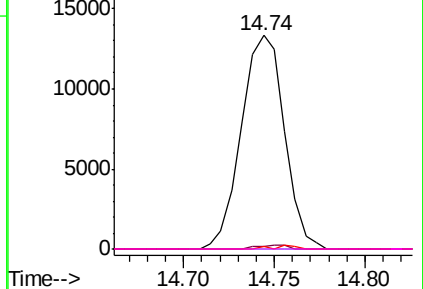


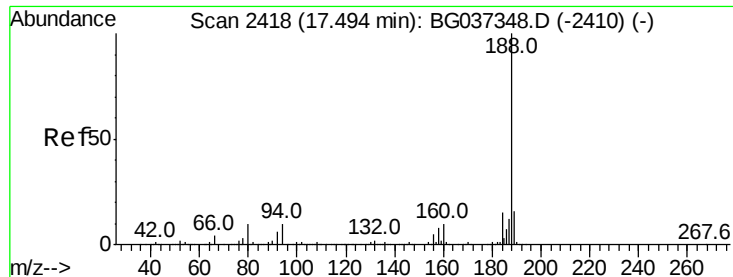
Abundance Ion 165.00 (164.70 to 165.70): E

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

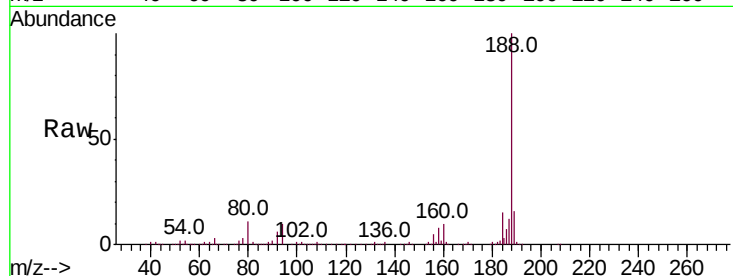




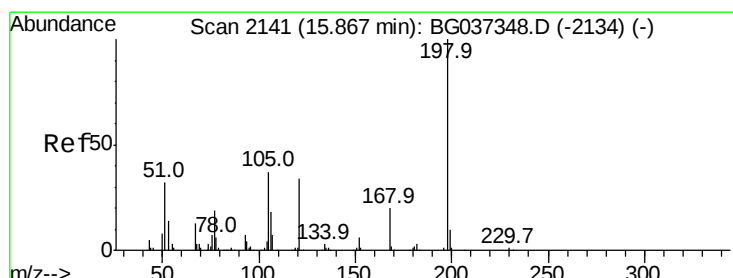
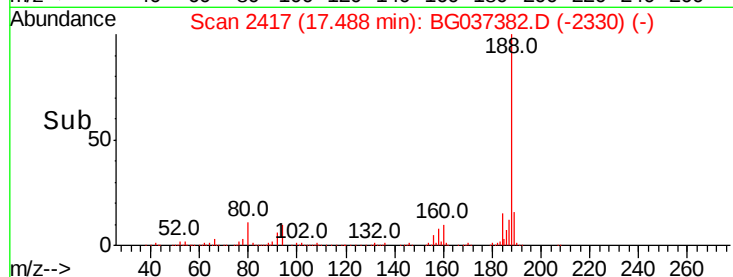
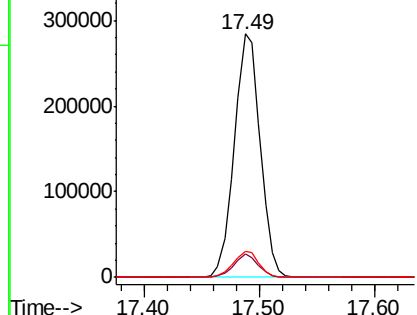
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 441559
Ion Ratio Lower Upper
188 100
94 9.6 7.2 10.8
80 10.6 7.7 11.5

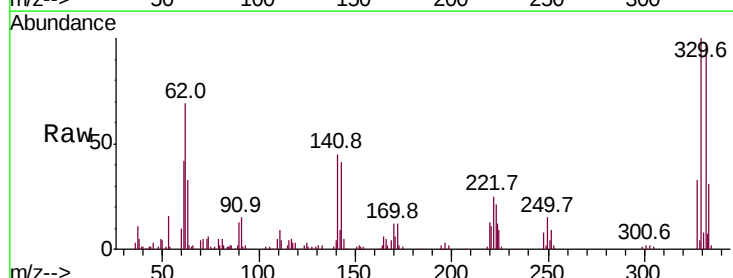


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

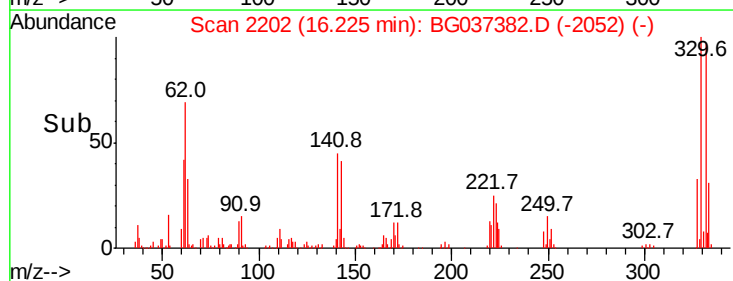
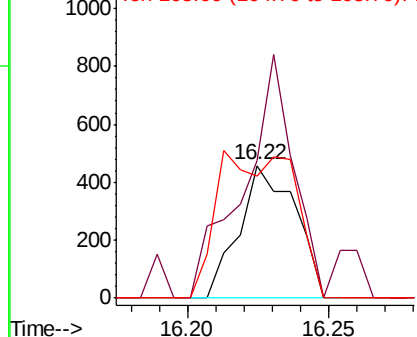


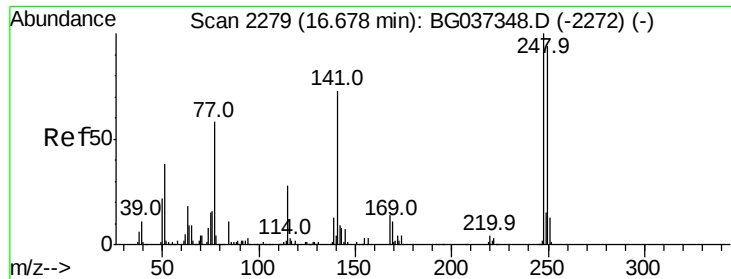
#65
4,6-Dinitro-2-methylphenol
Concen: 6.344 ng
RT: 16.22 min Scan# 2202
Delta R.T. 0.35 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

Tgt Ion:198 Resp: 629
Ion Ratio Lower Upper
198 100
51 20.9 22.7 62.7#
105 18.6 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

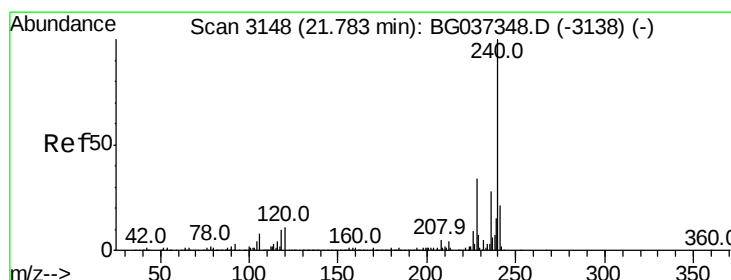
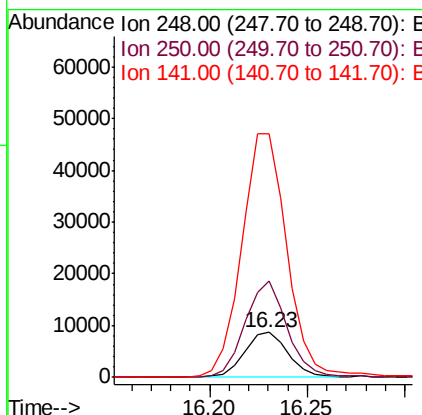
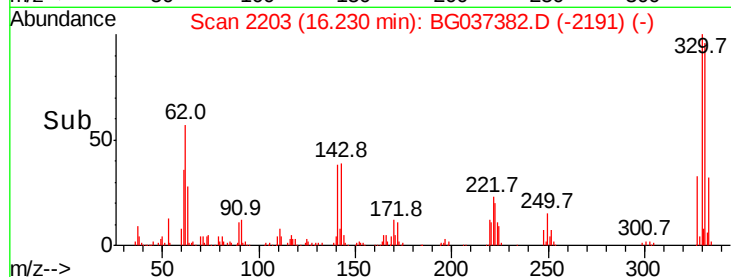
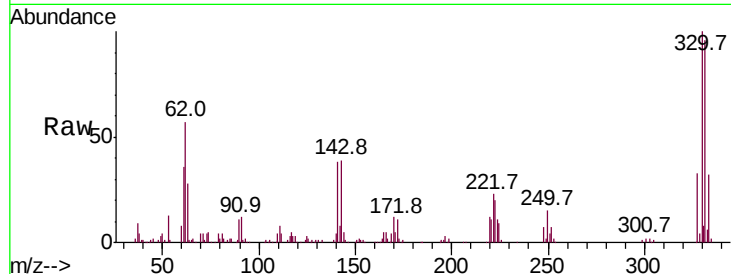




#67
4-Bromophenyl-phenylether
Concen: 2.840 ng
RT: 16.23 min Scan# 2203
Delta R.T. -0.46 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

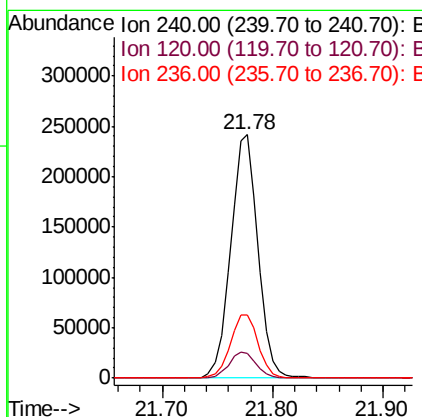
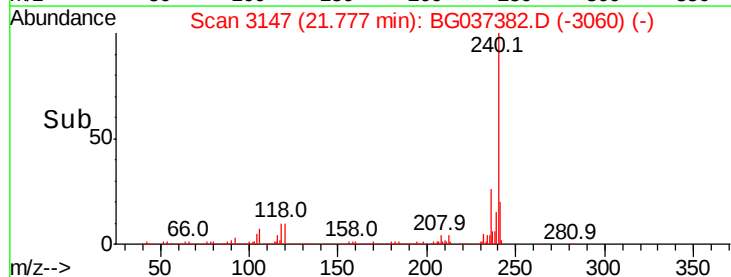
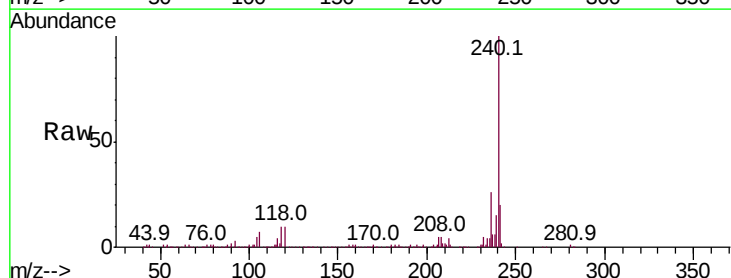
Instrument :
BNA_G
ClientSampleId :

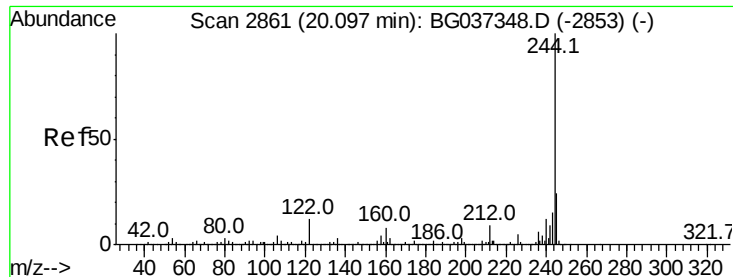
Tot Ion:248 Resp: 13536
Ion Ratio Lower Upper
248 100
250 210.3 77.0 115.6#
141 413.5 55.5 83.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.78 min Scan# 3147
Delta R.T. -0.02 min
Lab File: BG037382.D
Acq: 17 Oct 2018 8:54

Tgt Ion:240 Resp: 417534
Ion Ratio Lower Upper
240 100
120 10.4 8.1 12.1
236 26.0 21.4 32.0





#79

Terphenyl-d14

Concen: 71.781 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

Instrument :

BNA_G

ClientSampled :

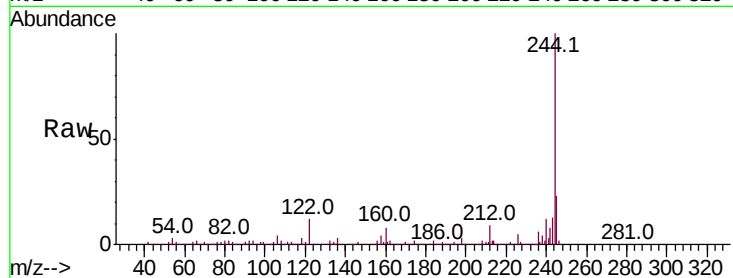
Tot Ion:244 Resp: 1427357

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

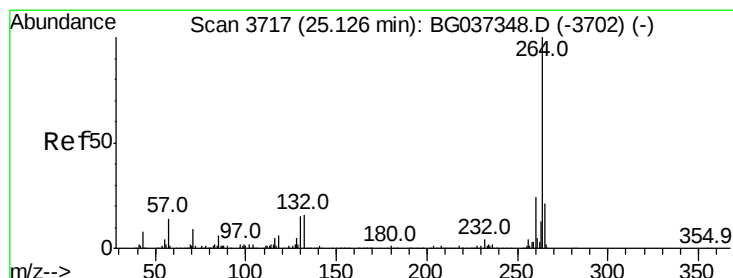
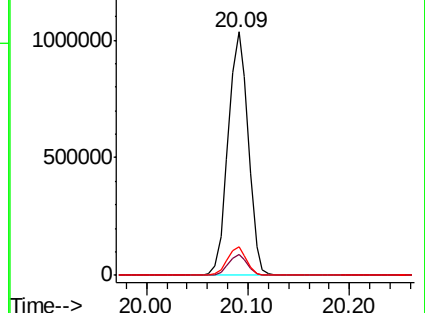
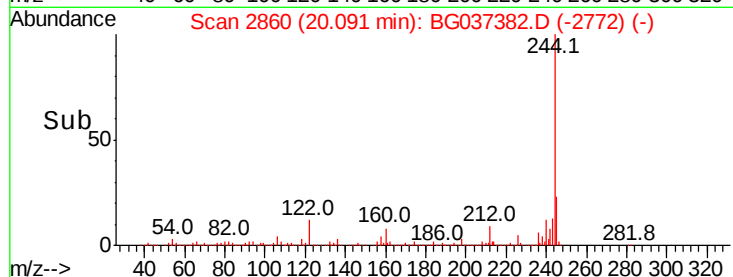
122 11.6 9.0 13.4



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# 3715

Delta R.T. -0.03 min

Lab File: BG037382.D

Acq: 17 Oct 2018 8:54

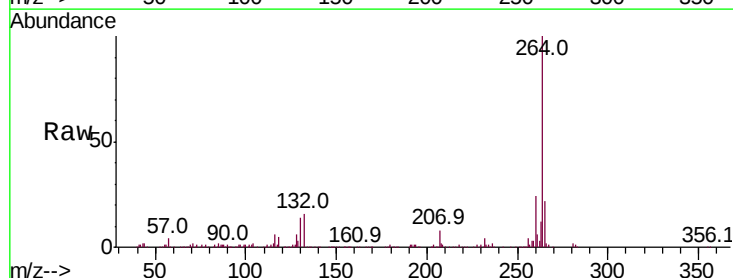
Tgt Ion:264 Resp: 415624

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 22.0 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

