

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG037009.D
 Acq On : 27 Sep 2018 9:27
 Operator : JU/SJ
 Sample : J5052-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 27 11:00:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

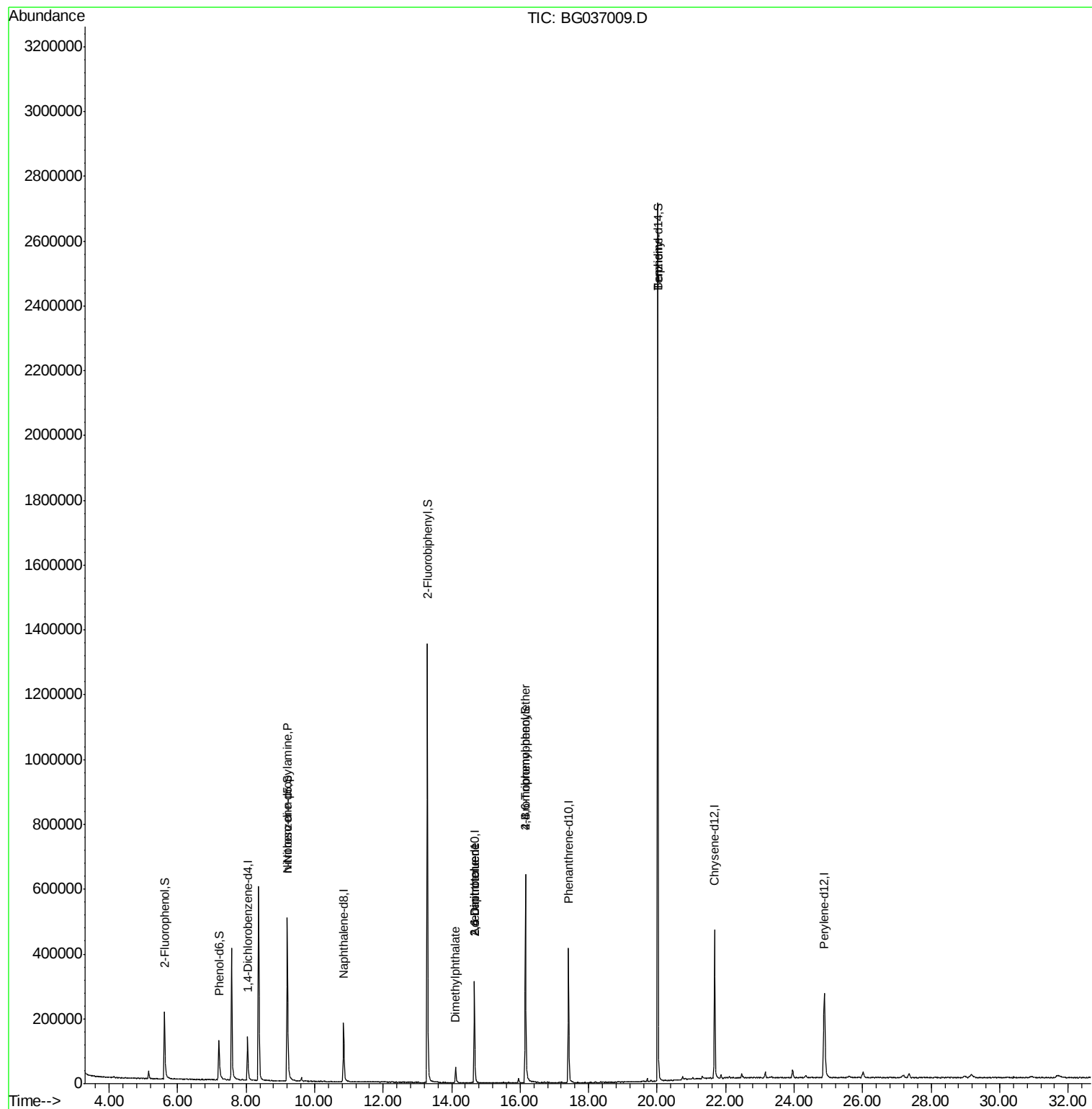
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	44043	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	182722	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	116706	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	293133	20.00	ng	0.00
75) Chrysene-d12	21.68	240	305934	20.00	ng	-0.01
86) Perylene-d12	24.88	264	303734	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	108790	47.37	ng	0.00
7) Phenol-d6	7.20	99	93670	26.36	ng	-0.01
23) Nitrobenzene-d5	9.20	82	366780	107.49	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	128062	91.71	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	777576	99.23	ng	0.00
78) Terphenyl-d14	20.02	244	1320651	113.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	49520	16.753	ng	# 77
49) Dimethylphthalate	14.11	163	39439	4.198	ng	# 96
50) 2,6-Dinitrotoluene	14.67	165	14510	7.079	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	14510	5.073	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	9077	2.722	ng	# 1
76) Benzidine	20.02	184	23442	2.535	ng	# 95

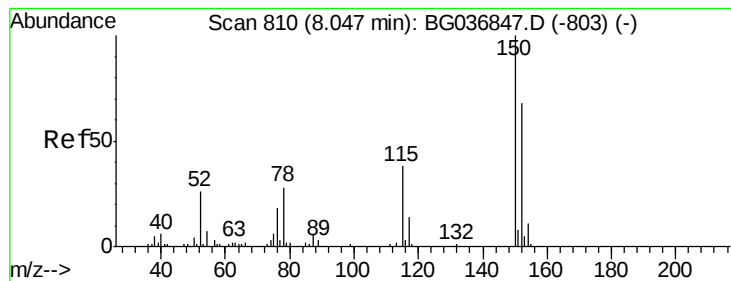
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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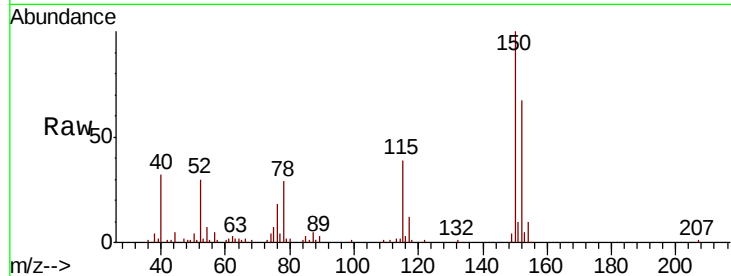


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BG037009.D
 Acq: 27 Sep 2018 9:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	119.5	179.3
115	58.7	44.5	66.7

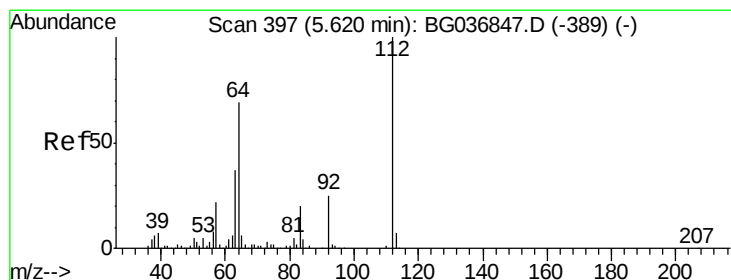
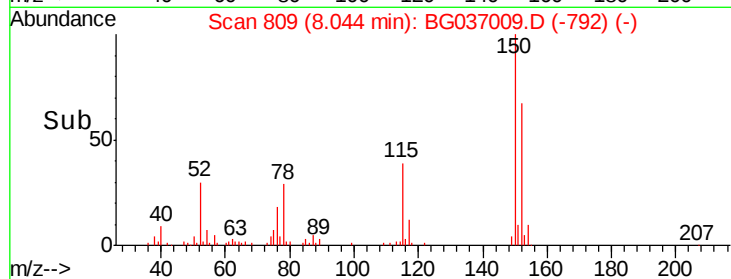
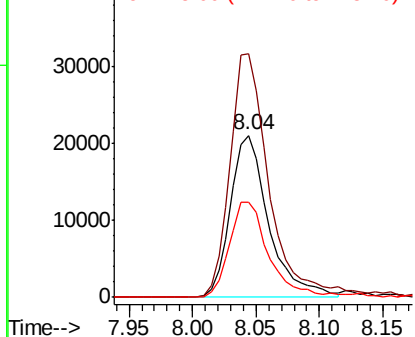


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

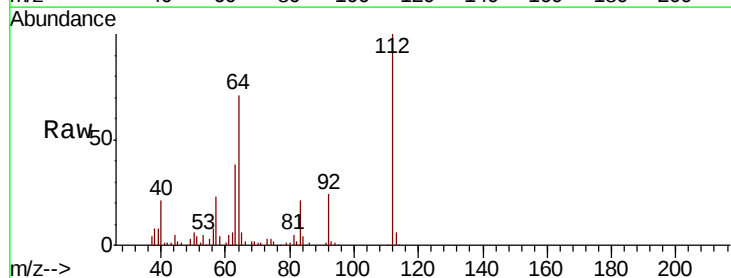
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 47.371 ng
 RT: 5.62 min Scan# 396
 Delta R.T. -0.00 min
 Lab File: BG037009.D
 Acq: 27 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	57.2	85.8
63	37.6	30.8	46.2

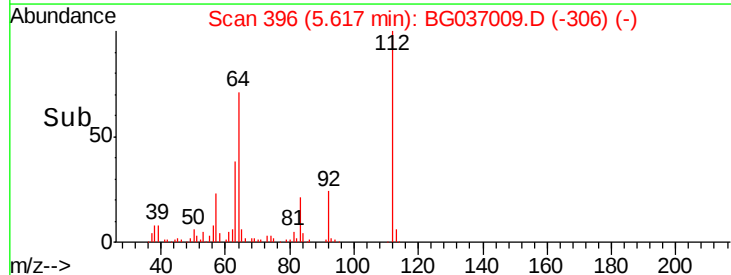
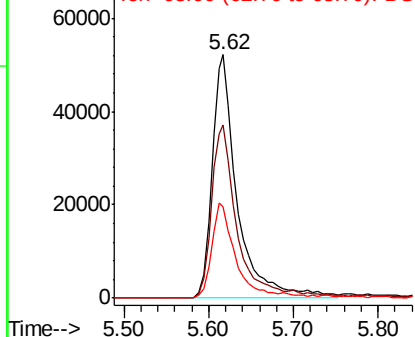


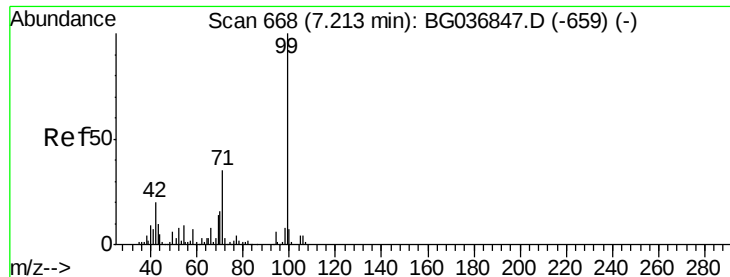
Abundance

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: 26.362 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG037009.D

Acq: 27 Sep 2018 9:27

Instrument :

BNA_G

ClientSampled :

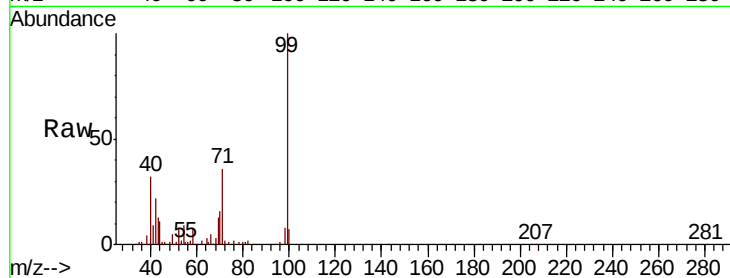
Tot Ion: 99 Resp: 93670

Ion Ratio Lower Upper

99 100

42 22.2 16.5 24.7

71 36.1 29.4 44.2

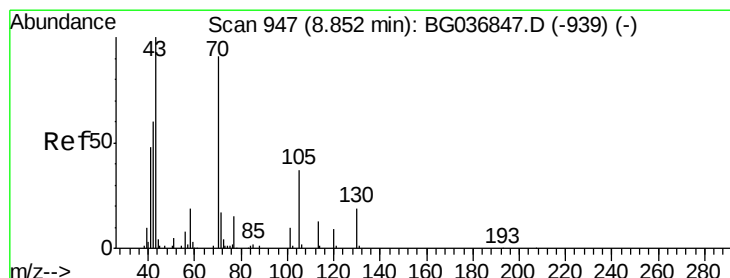
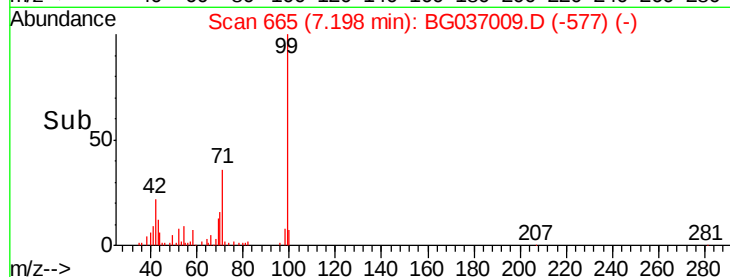
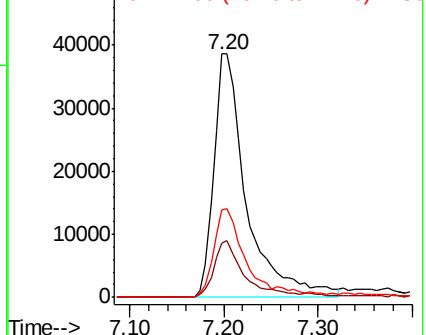


Abundance

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: 16.753 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037009.D

Acq: 27 Sep 2018 9:27

Tgt Ion: 70 Resp: 49520

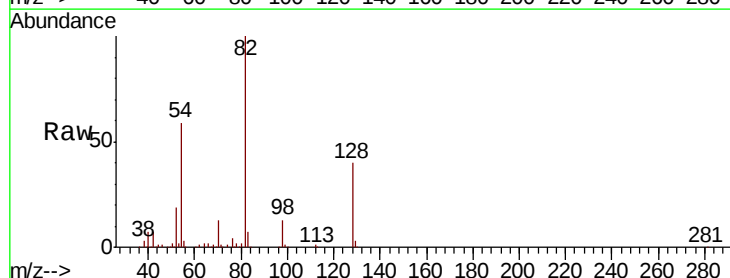
Ion Ratio Lower Upper

70 100

42 56.0 56.2 84.4#

101 0.0 7.8 11.6#

130 2.1 16.2 24.2#



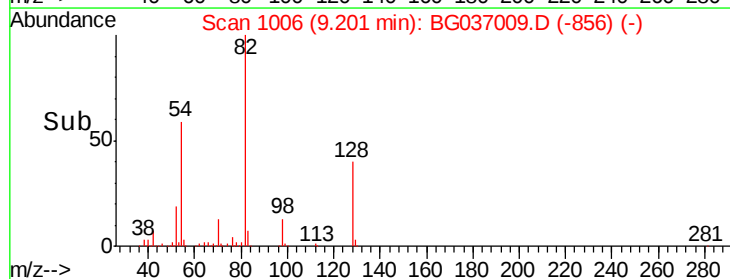
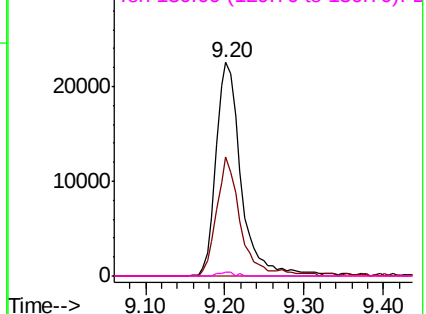
Abundance

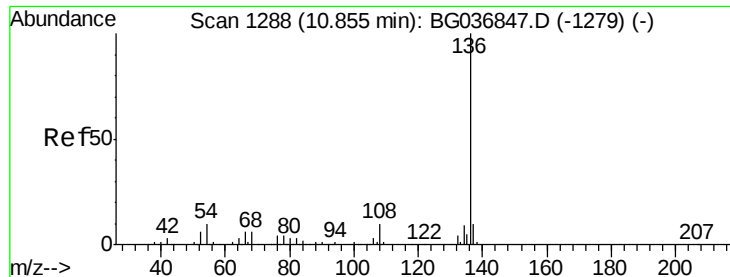
Ion 70.00 (69.70 to 70.70): BGC

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

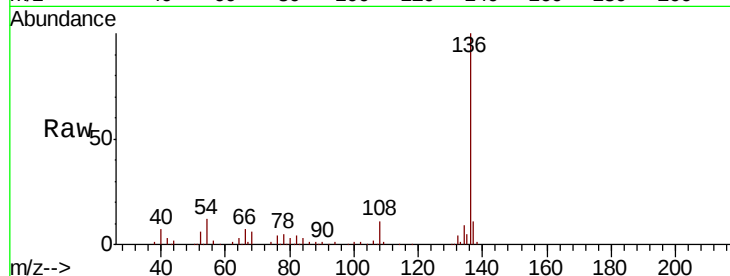




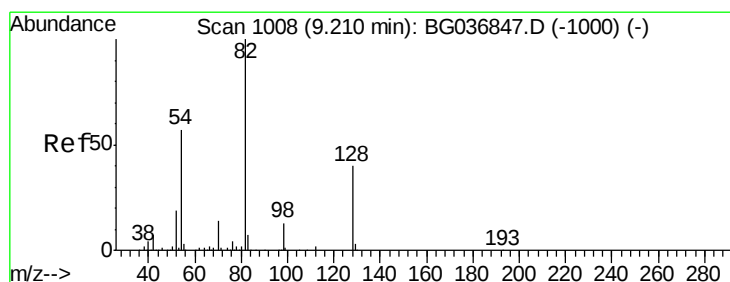
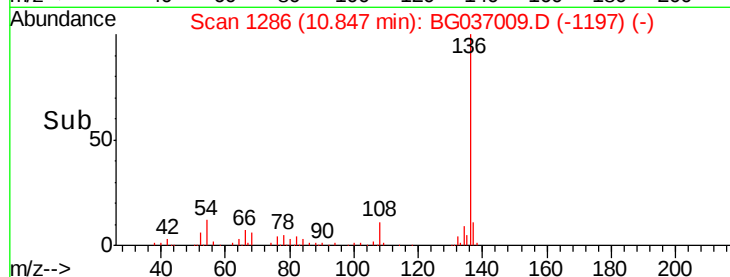
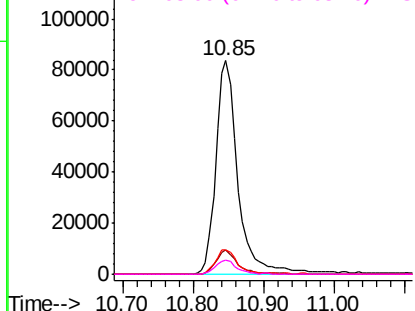
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037009.D
Acq: 27 Sep 2018 9:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	182722
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.8 13.2
54	11.7	9.2 13.8
68	6.4	5.8 8.6

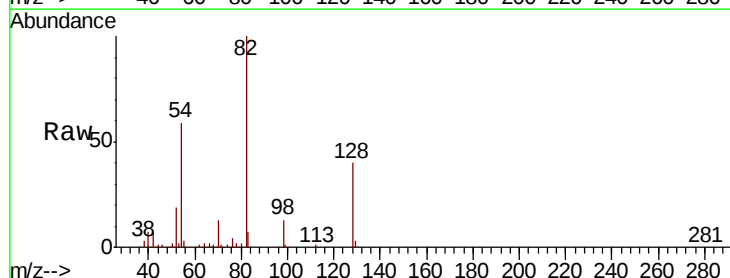


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

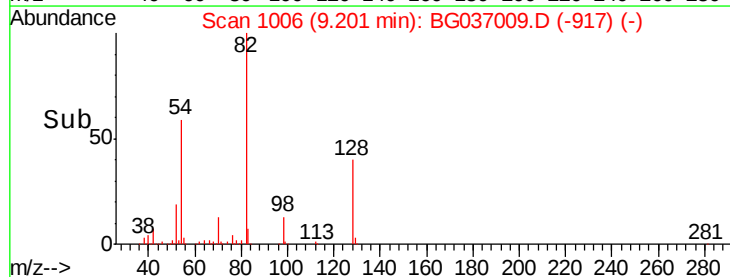
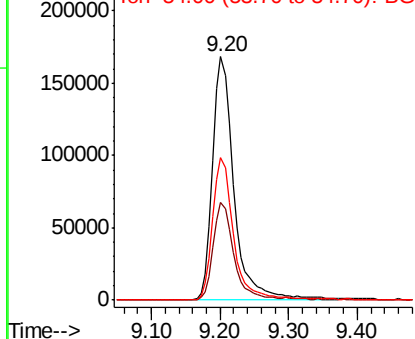


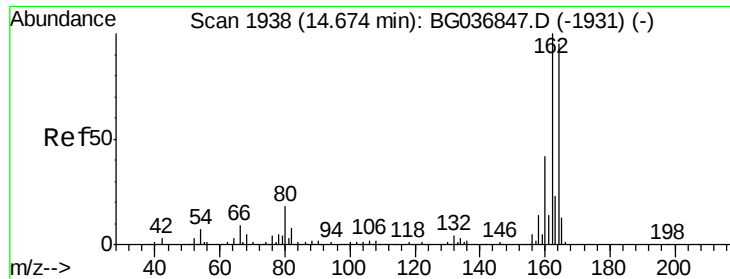
#23
Nitrobenzene-d5
Concen: 107.494 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037009.D
Acq: 27 Sep 2018 9:27

Tgt Ion: 82	Resp:	366780
Ion	Ratio	Lower Upper
82	100	
128	40.4	33.3 49.9
54	58.7	45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037009.D

Acq: 27 Sep 2018 9:27

Instrument :

BNA_G

ClientSampleId :

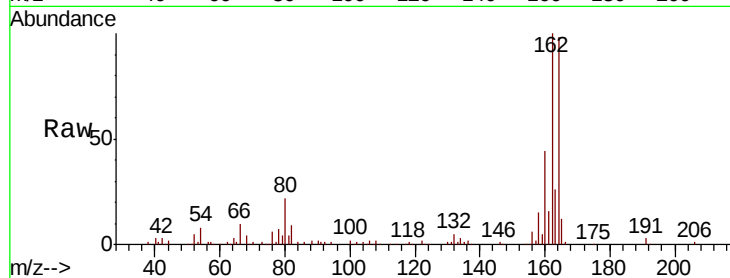
Tot Ion:164 Resp: 116706

Ion Ratio Lower Upper

164 100

162 101.8 80.7 121.1

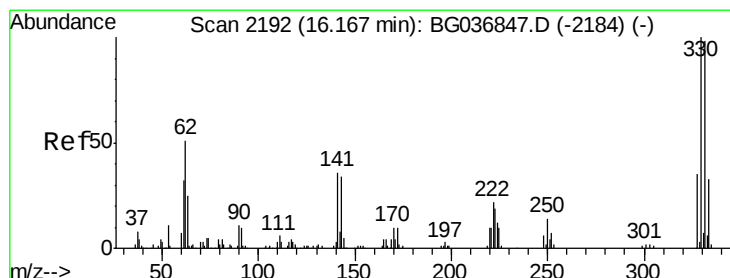
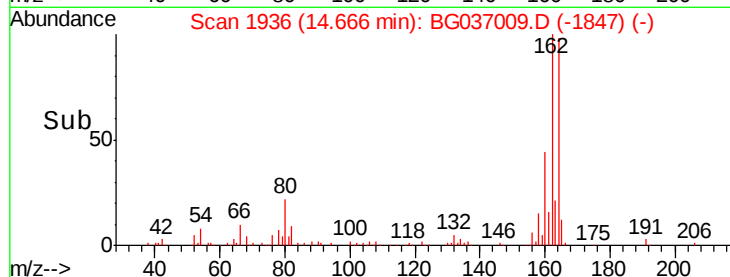
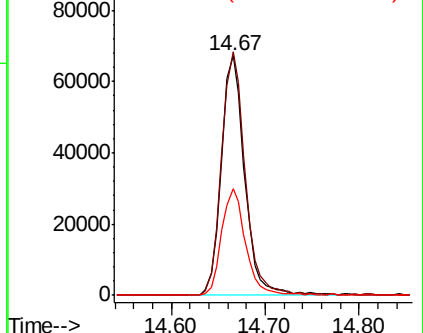
160 44.8 35.3 52.9



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



#41

2,4,6-Tribromophenol

Concen: 91.714 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037009.D

Acq: 27 Sep 2018 9:27

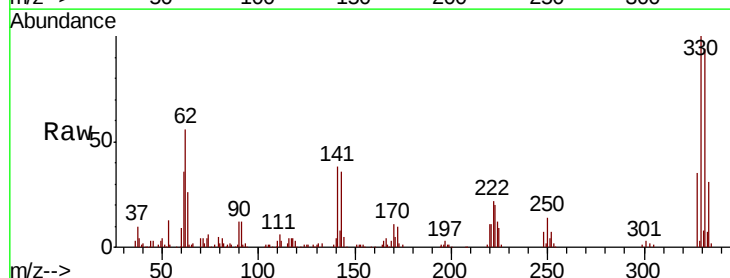
Tgt Ion:330 Resp: 128062

Ion Ratio Lower Upper

330 100

332 96.3 75.4 113.2

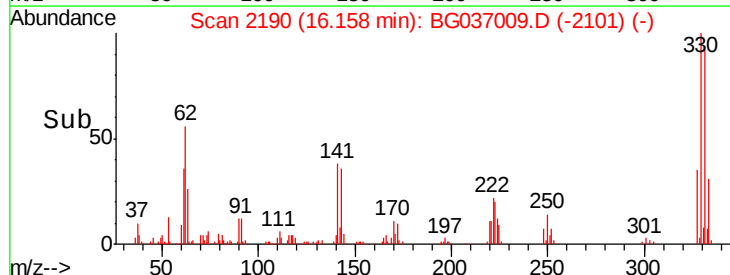
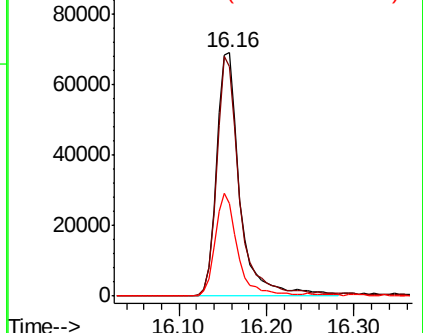
141 40.5 30.7 46.1

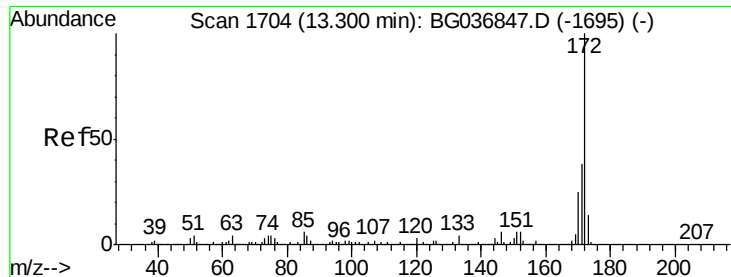


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

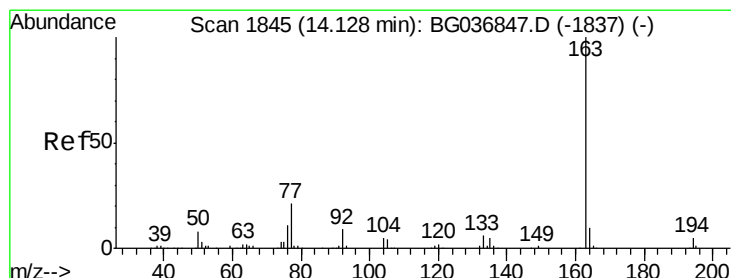
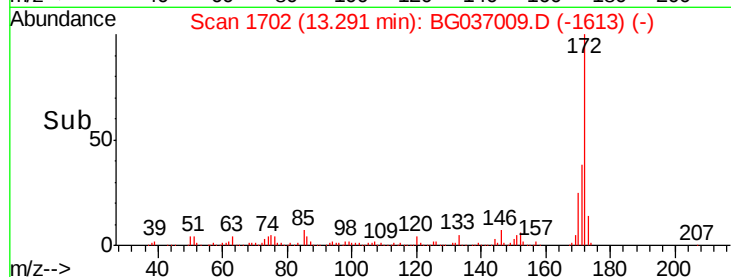
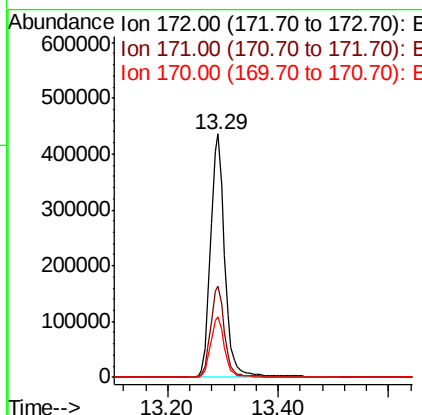
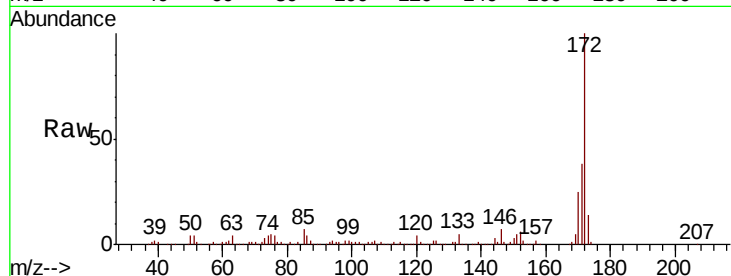




#44
2-Fluorobiphenyl
Concen: 99.233 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BG037009.D
Acq: 27 Sep 2018 9:27

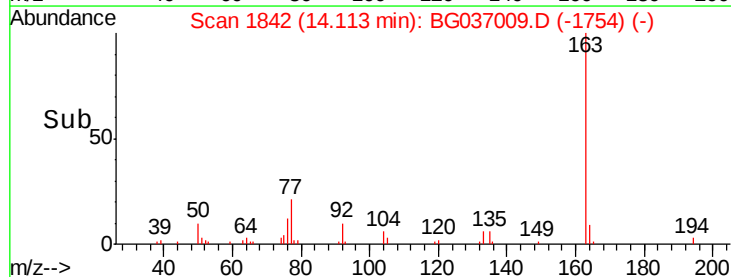
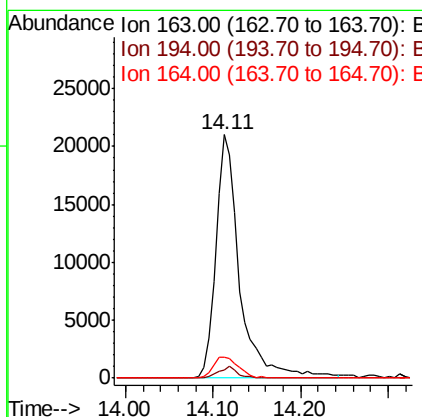
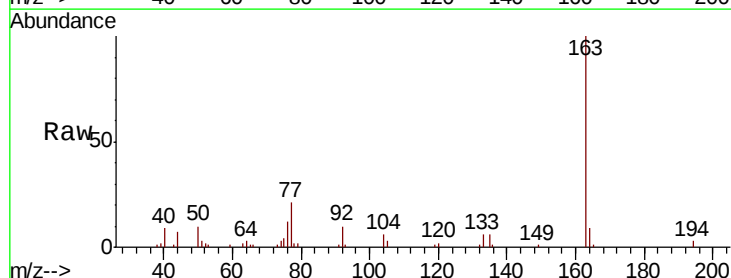
Instrument :
BNA_G
ClientSampled :

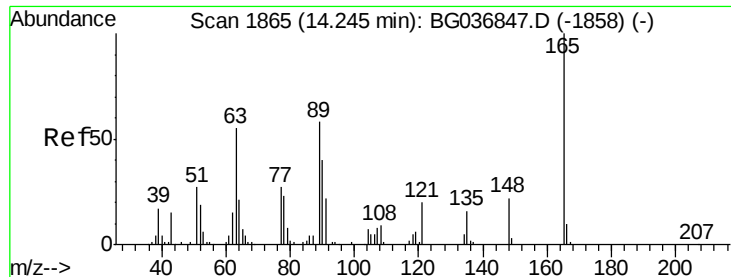
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.3	46.9
170	25.1	21.0	31.6



#49
Dimethylphthalate
Concen: 4.198 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BG037009.D
Acq: 27 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	4.0	6.0#
164	8.8	8.1	12.1

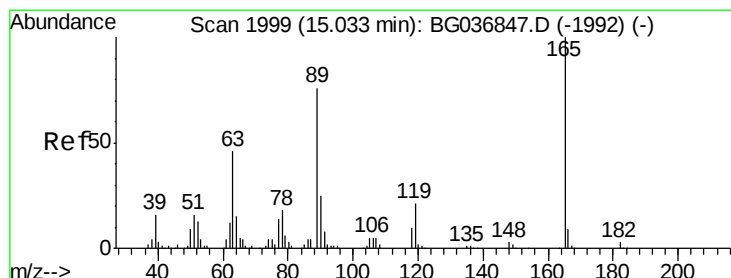
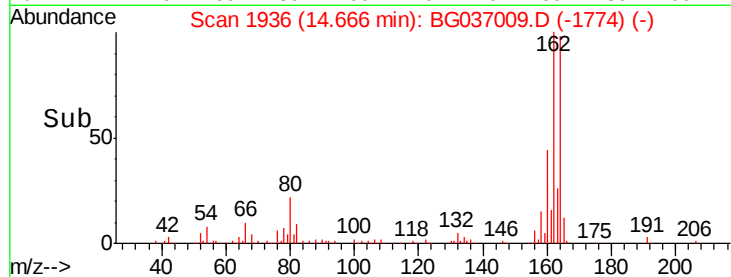
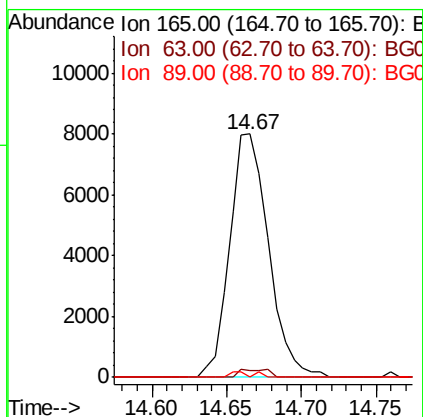
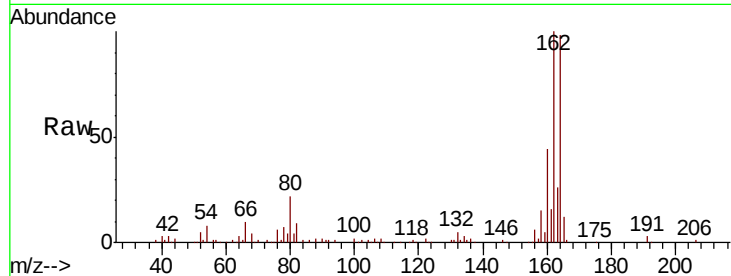




#50
 2,6-Dinitrotoluene
 Concen: 7.079 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037009.D
 Acq: 27 Sep 2018 9:27

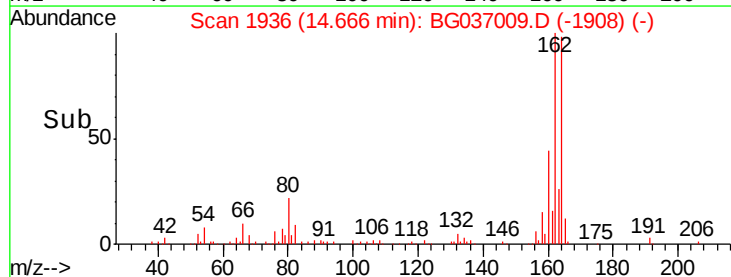
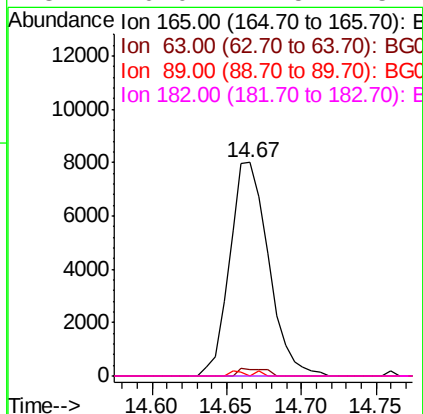
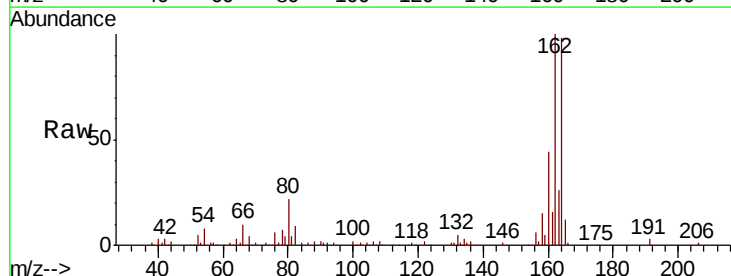
Instrument :
 BNA_G
 ClientSampleId :

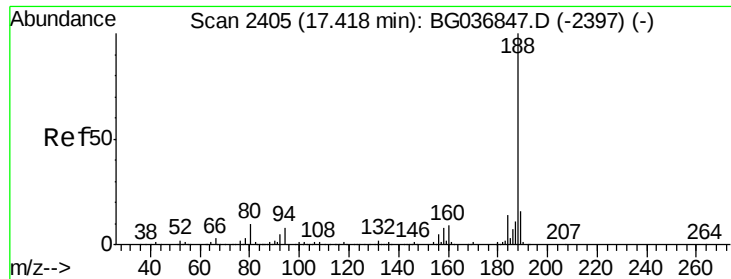
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.0	50.1	75.1#
89	0.0	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.073 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037009.D
 Acq: 27 Sep 2018 9:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.0	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

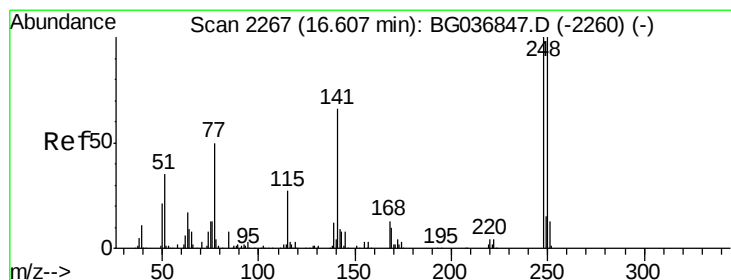
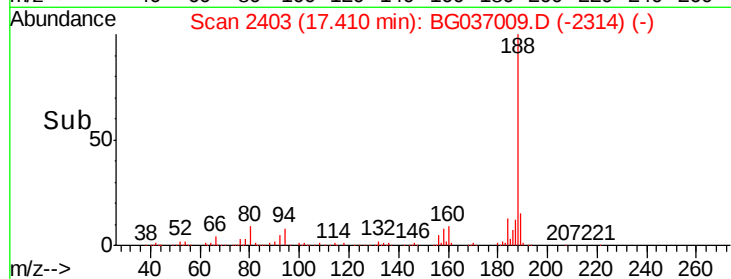
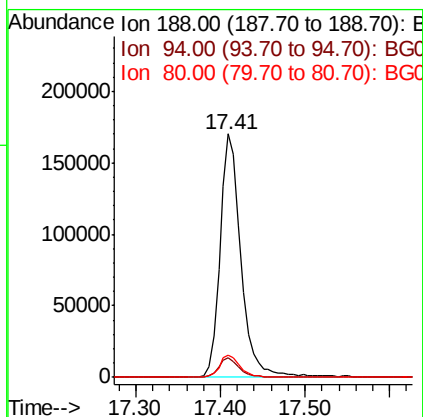
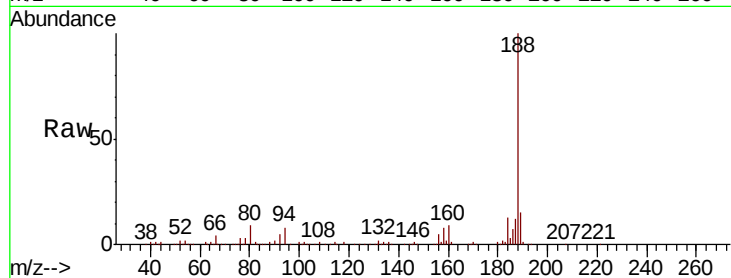




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037009.D
 Acq: 27 Sep 2018 9:27

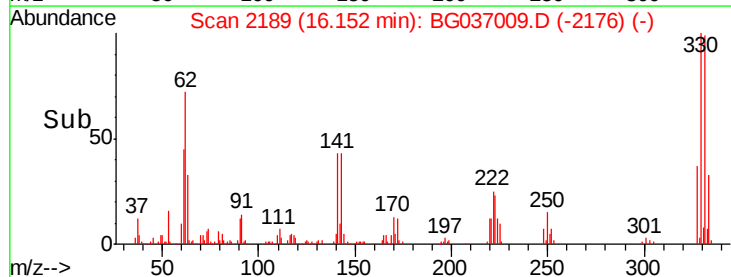
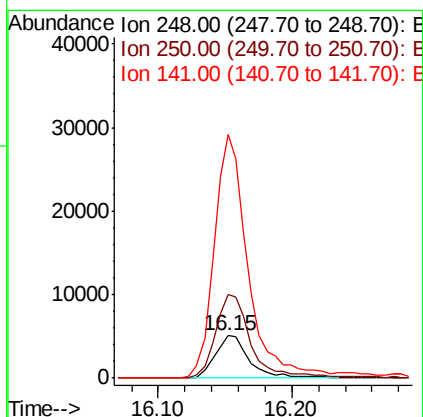
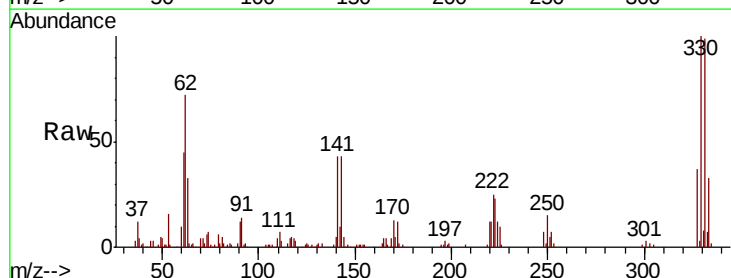
Instrument :
 BNA_G
 ClientSampled :

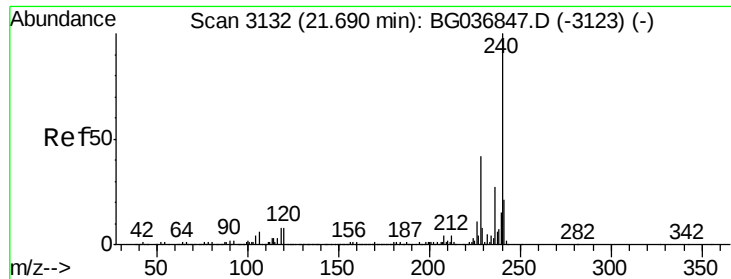
Tot Ion:188 Resp: 293133
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.7 10.1
 80 9.3 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 2.722 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037009.D
 Acq: 27 Sep 2018 9:27

Tgt Ion:248 Resp: 9077
 Ion Ratio Lower Upper
 248 100
 250 198.2 78.1 117.1#
 141 576.4 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG037009.D

Acq: 27 Sep 2018 9:27

Instrument :

BNA_G

ClientSampleId :

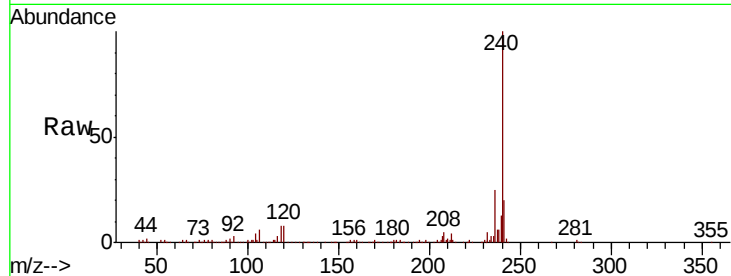
Tot Ion:240 Resp: 305934

Ion Ratio Lower Upper

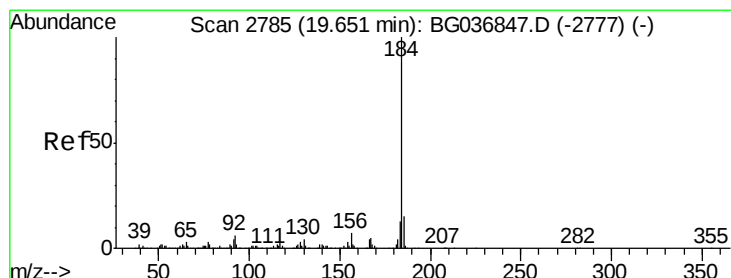
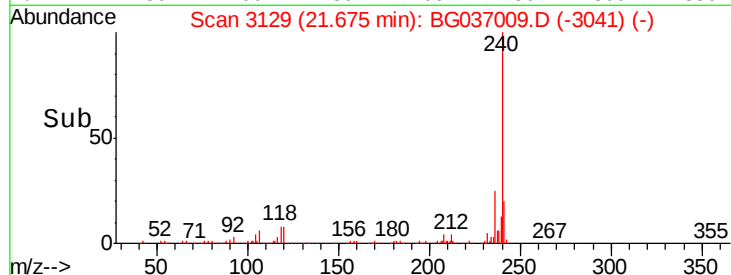
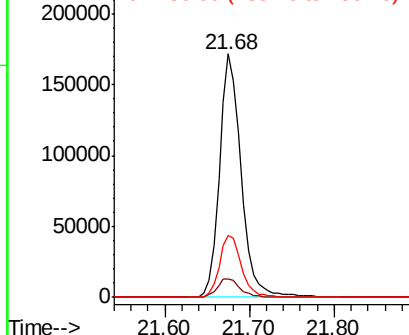
240 100

120 7.7 6.9 10.3

236 25.2 21.2 31.8



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



#76

Benzidine

Concen: 2.535 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037009.D

Acq: 27 Sep 2018 9:27

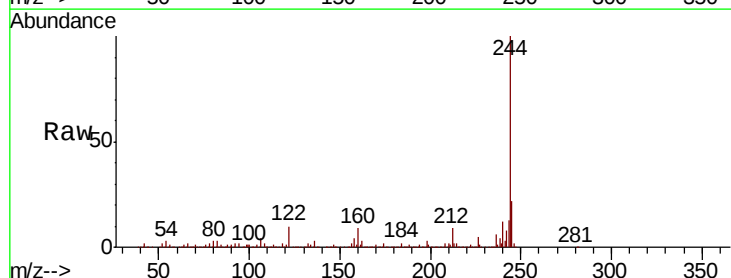
Tgt Ion:184 Resp: 23442

Ion Ratio Lower Upper

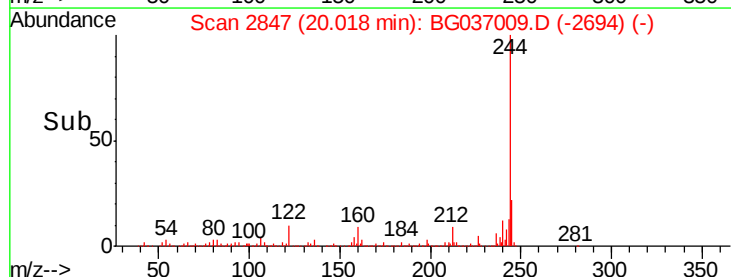
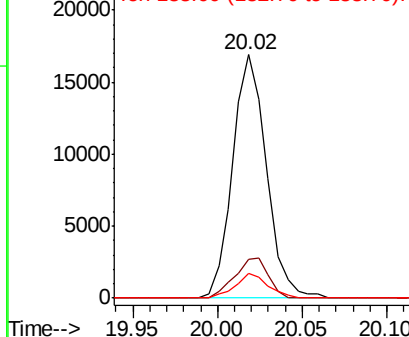
184 100

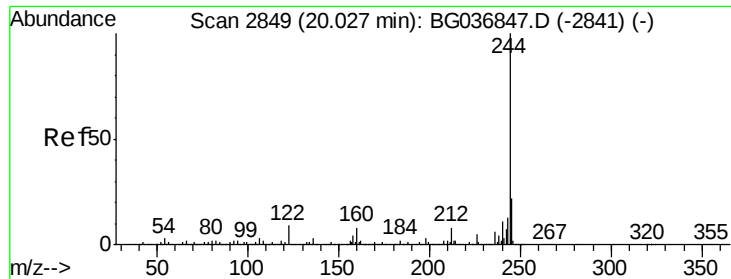
185 16.1 12.6 18.8

183 9.9 10.9 16.3#



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





#78

Terphenyl-d14

Concen: 113.509 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037009.D

Acq: 27 Sep 2018 9:27

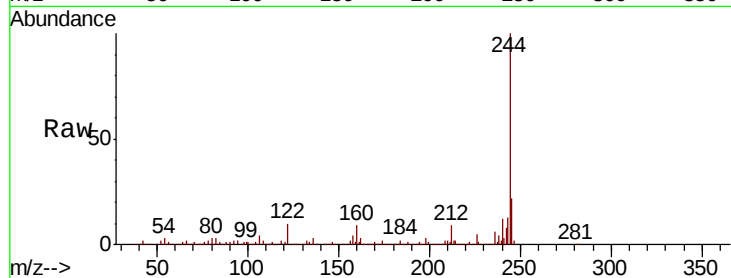
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1320651

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.0	10.6
122	9.6	7.1	10.7

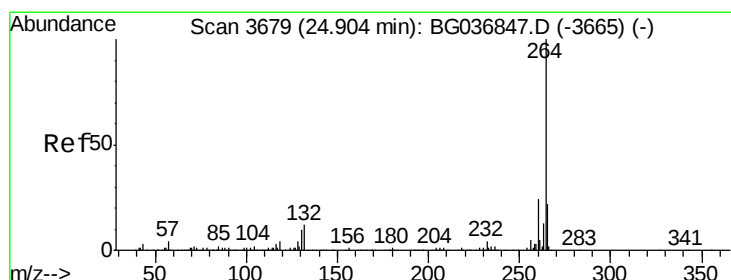
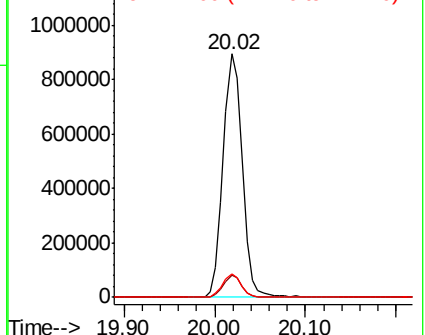
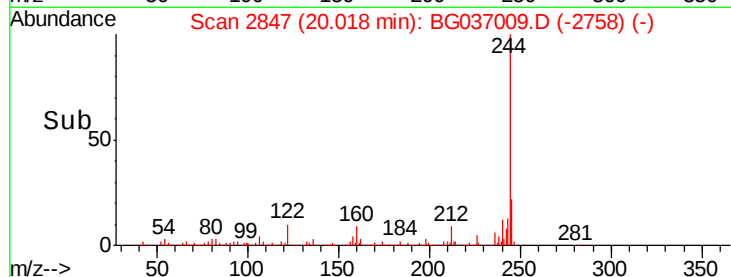


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.88 min Scan# 3674

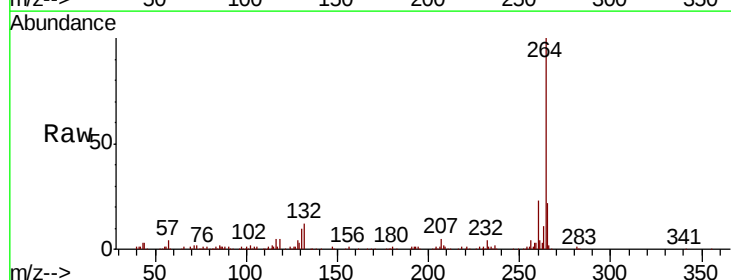
Delta R.T. -0.03 min

Lab File: BG037009.D

Acq: 27 Sep 2018 9:27

Tgt Ion:264 Resp: 303734

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.6	29.4
265	21.9	17.4	26.0



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

