

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG037008.D
 Acq On : 27 Sep 2018 8:48
 Operator : JU/SJ
 Sample : J5052-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 27 11:00:29 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

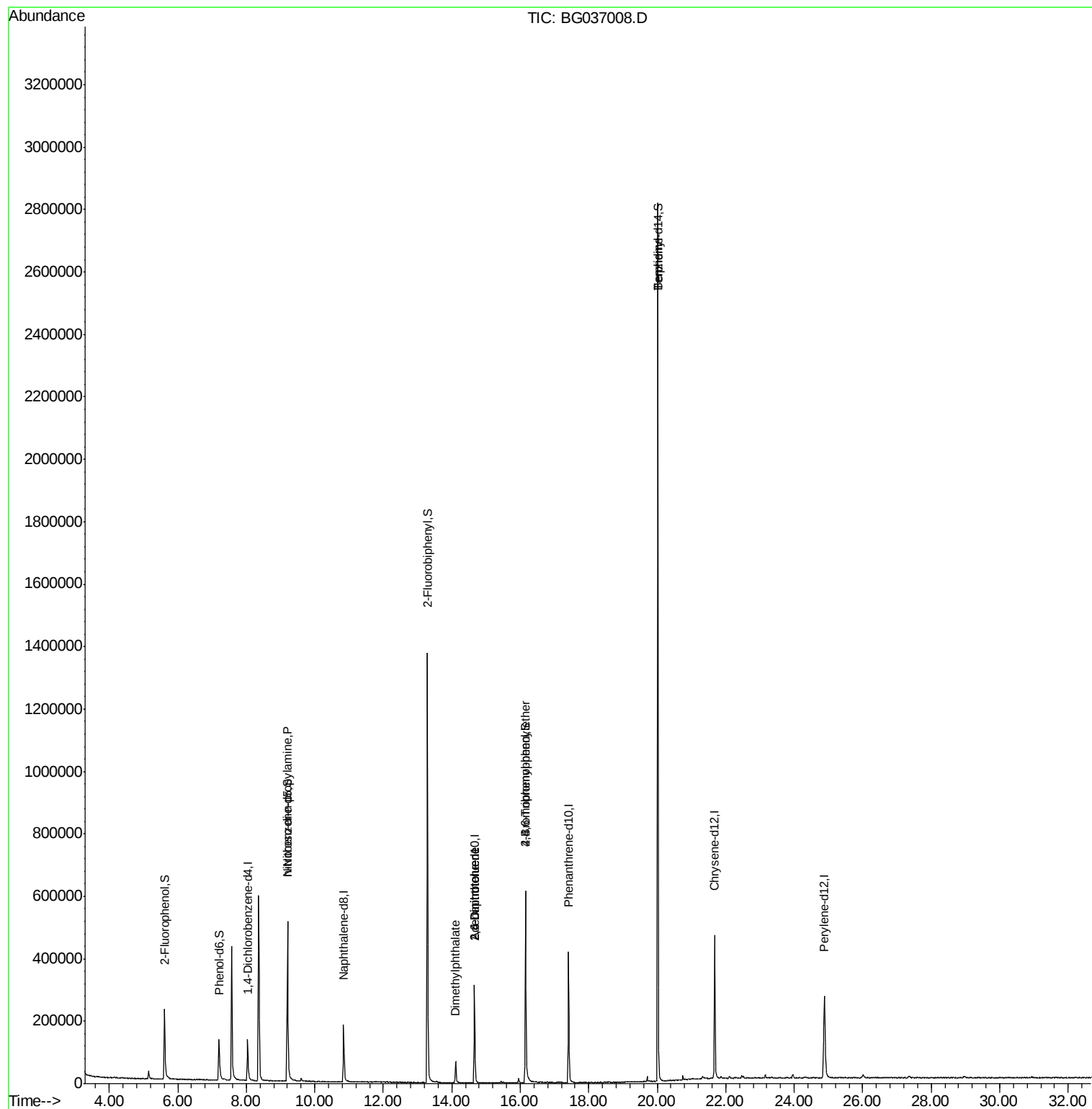
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	44449	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	181754	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	116066	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	293709	20.00	ng	0.00
75) Chrysene-d12	21.68	240	312819	20.00	ng	-0.01
86) Perylene-d12	24.88	264	308494	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	118492	51.12	ng	0.00
7) Phenol-d6	7.20	99	100302	27.97	ng	-0.01
23) Nitrobenzene-d5	9.20	82	372675	109.80	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	130778	94.18	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	766485	98.36	ng	-0.01
78) Terphenyl-d14	20.02	244	1396865	117.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	49454	16.578	ng	Qvalue # 73
49) Dimethylphthalate	14.11	163	57552	6.160	ng	# 98
50) 2,6-Dinitrotoluene	14.66	165	14564	7.145	ng	# 22
56) 2,4-Dinitrotoluene	14.66	165	14564	5.120	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	8961	2.682	ng	# 1
76) Benzidine	20.02	184	25542	2.701	ng	# 91

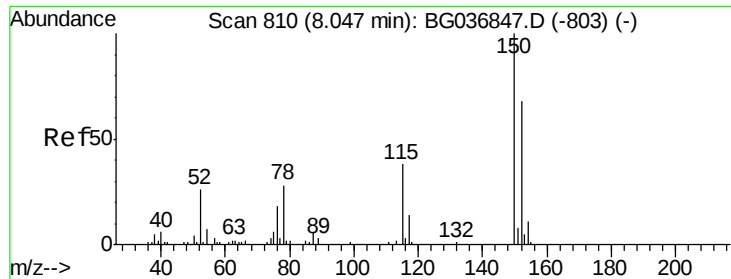
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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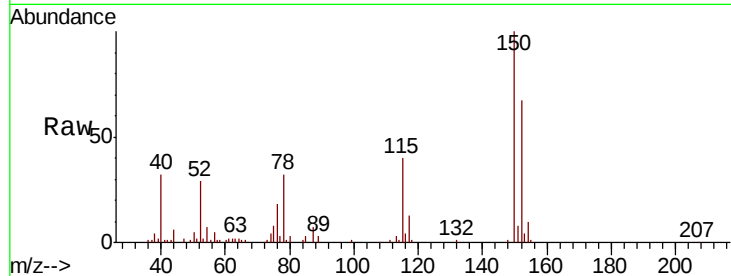


#1

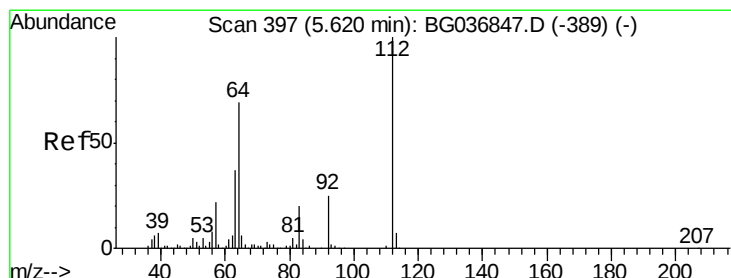
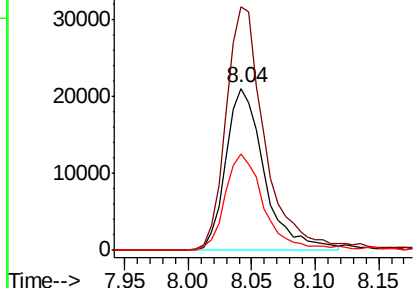
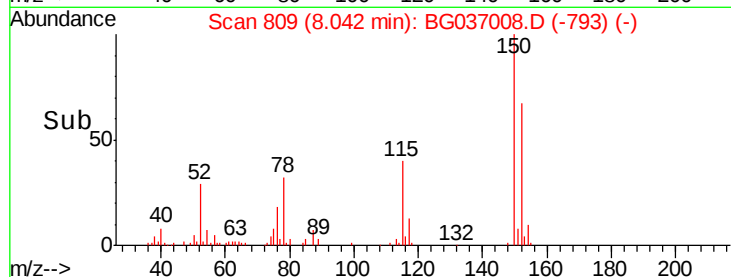
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BG037008.D
 Acq: 27 Sep 2018 8:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	152	Resp	44449
Ion Ratio	Lower	Upper	
152	100		
150	150.0	119.5	179.3
115	59.7	44.5	66.7



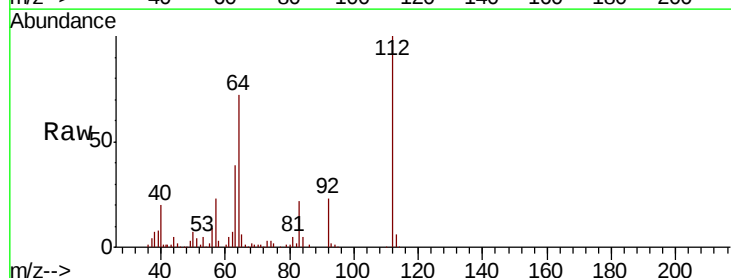
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



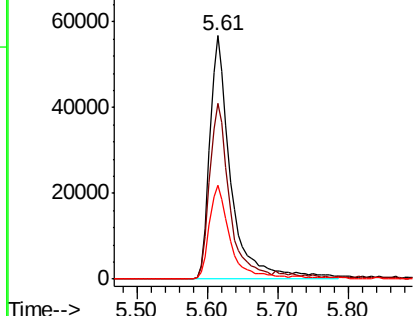
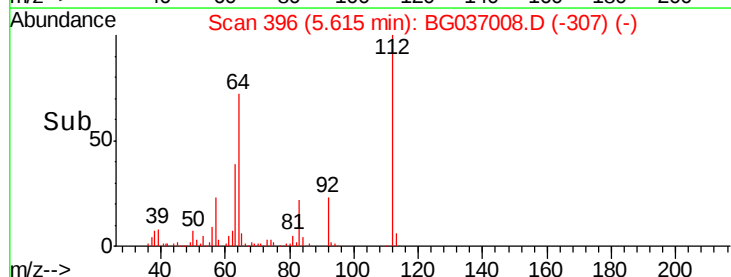
#5

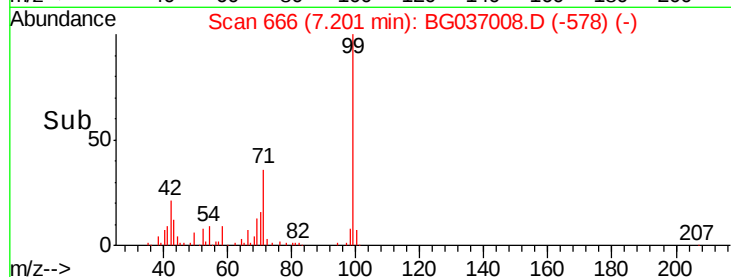
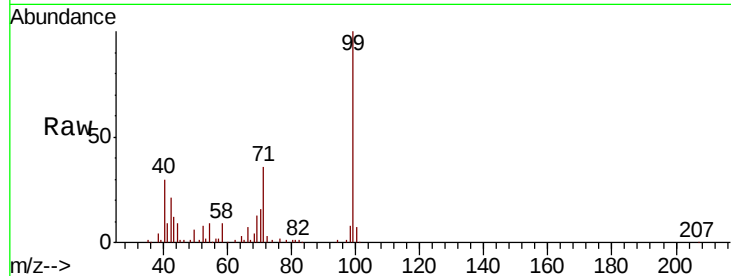
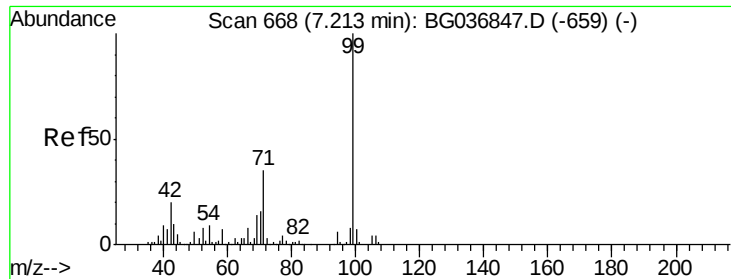
2-Fluorophenol
 Concen: 51.124 ng
 RT: 5.61 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: BG037008.D
 Acq: 27 Sep 2018 8:48

Tgt Ion	112	Resp	118492
Ion Ratio	Lower	Upper	
112	100		
64	72.2	57.2	85.8
63	38.6	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: 27.971 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037008.D

Acq: 27 Sep 2018 8:48

Instrument :

BNA_G

ClientSampled :

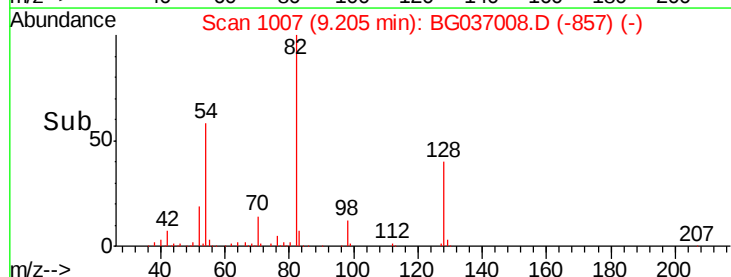
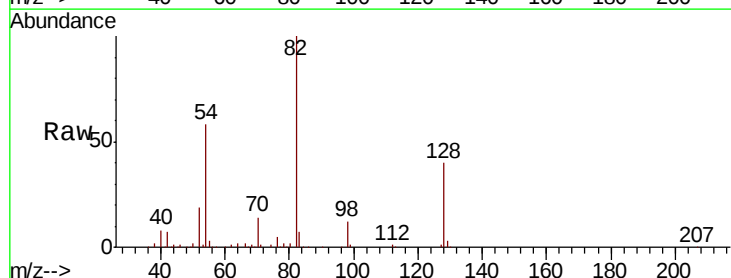
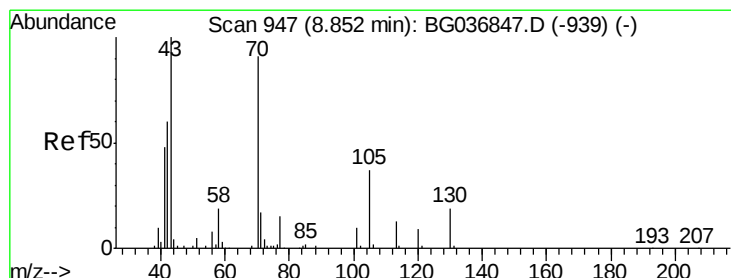
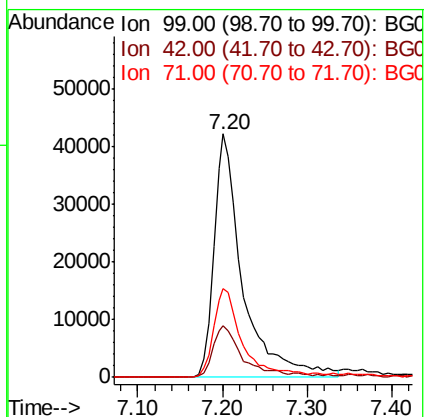
Tot Ion: 99 Resp: 100302

Ion Ratio Lower Upper

99 100

42 21.0 16.5 24.7

71 36.4 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.578 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG037008.D

Acq: 27 Sep 2018 8:48

Tgt Ion: 70 Resp: 49454

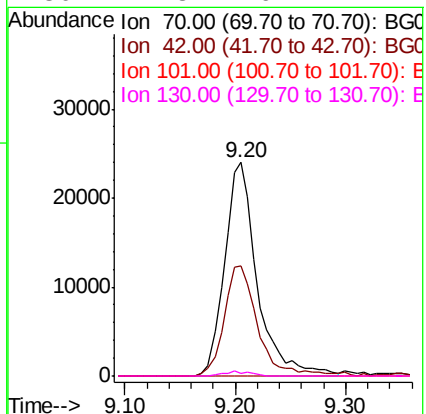
Ion Ratio Lower Upper

70 100

42 51.6 56.2 84.4#

101 0.0 7.8 11.6#

130 1.3 16.2 24.2#

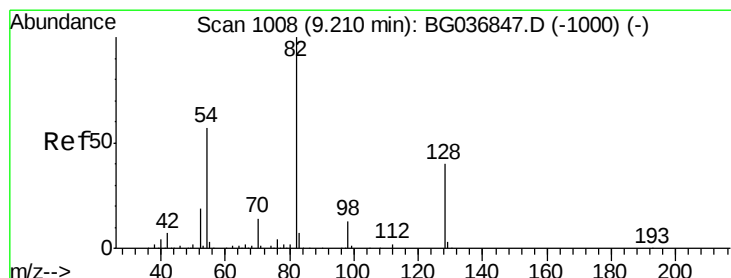
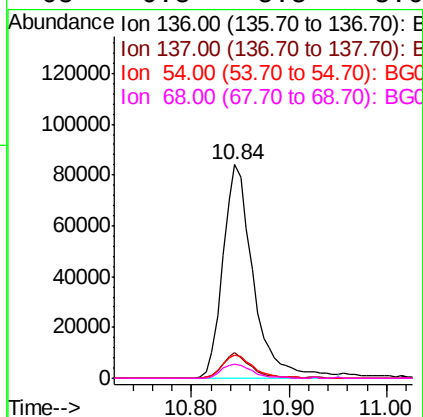
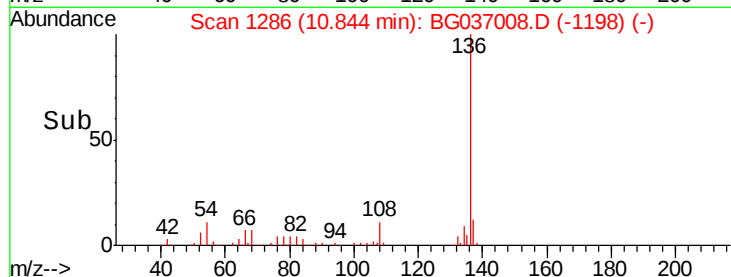
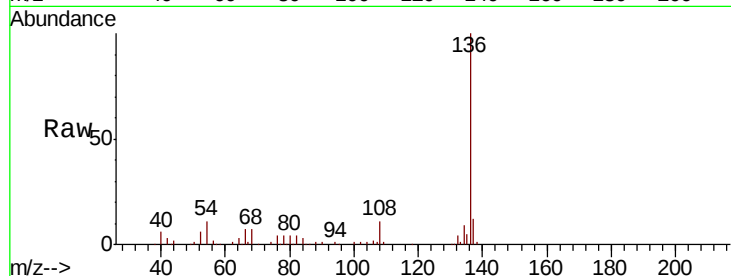




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037008.D
Acq: 27 Sep 2018 8:48

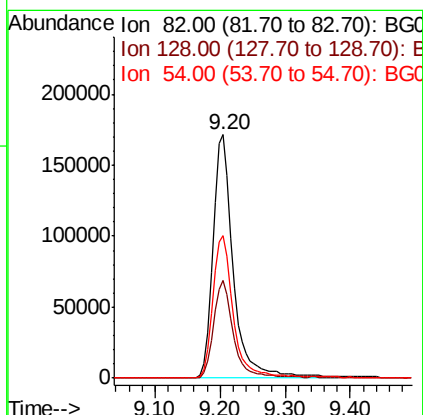
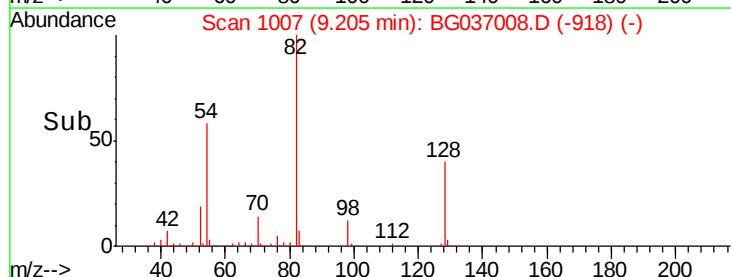
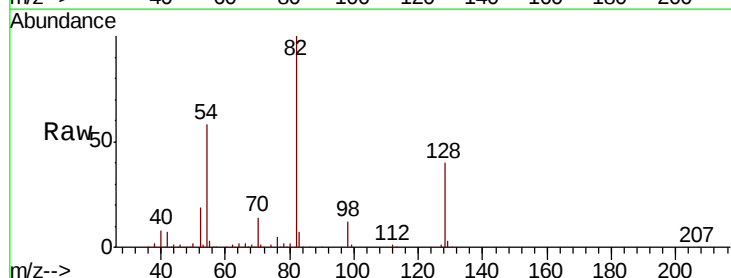
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	181754
Ion	Ratio	Lower Upper
136	100	
137	12.0	8.8 13.2
54	10.5	9.2 13.8
68	6.8	5.8 8.6



#23
Nitrobenzene-d5
Concen: 109.803 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG037008.D
Acq: 27 Sep 2018 8:48

Tgt Ion: 82	Resp:	372675
Ion	Ratio	Lower Upper
82	100	
128	40.1	33.3 49.9
54	58.5	45.1 67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037008.D

Acq: 27 Sep 2018 8:48

Instrument :

BNA_G

ClientSampleId :

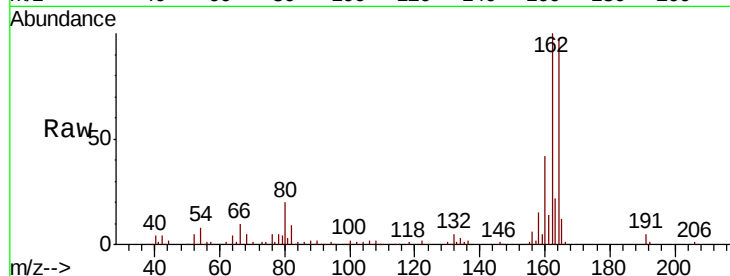
Tot Ion:164 Resp: 116066

Ion Ratio Lower Upper

164 100

162 102.8 80.7 121.1

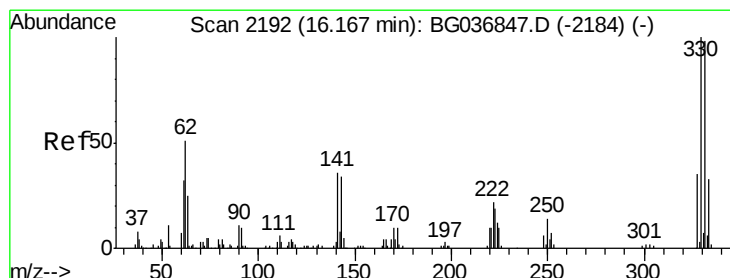
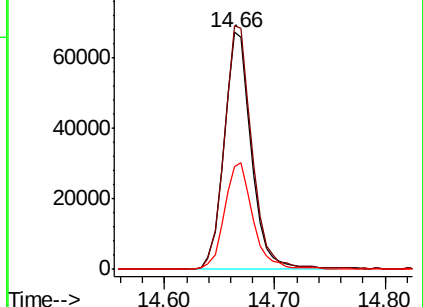
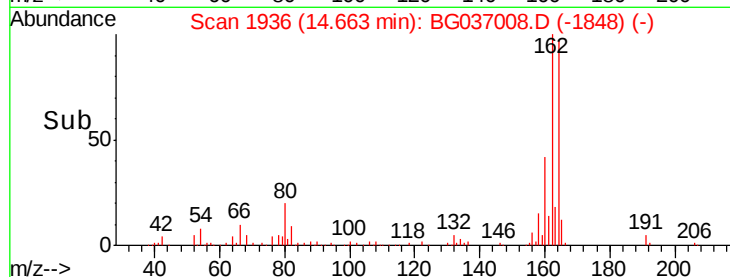
160 43.5 35.3 52.9



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: 94.176 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037008.D

Acq: 27 Sep 2018 8:48

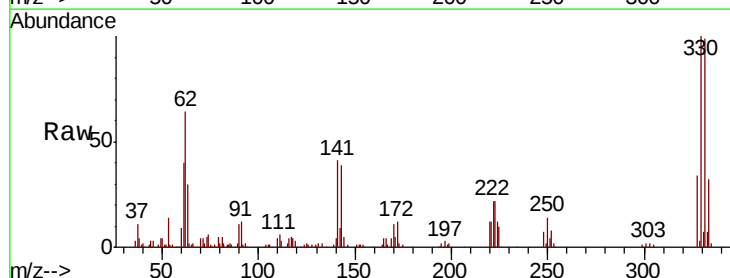
Tgt Ion:330 Resp: 130778

Ion Ratio Lower Upper

330 100

332 91.0 75.4 113.2

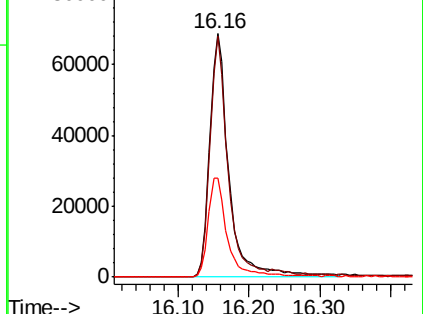
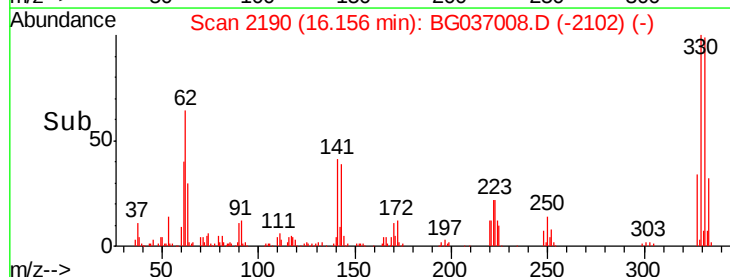
141 40.9 30.7 46.1



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

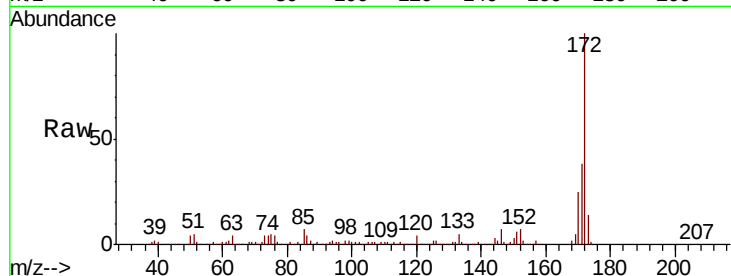




#44
2-Fluorobiphenyl
Concen: 98.357 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BG037008.D
Acq: 27 Sep 2018 8:48

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.3	46.9
170	25.4	21.0	31.6

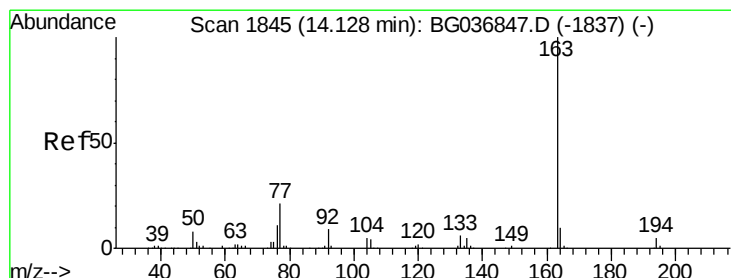
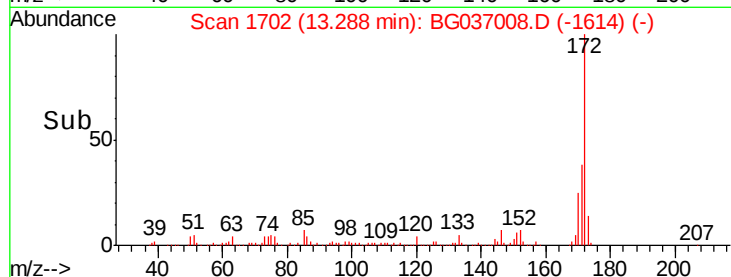
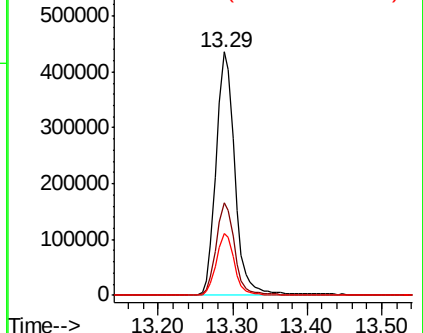


Abundance

Ion 172.00 (171.70 to 172.70): E

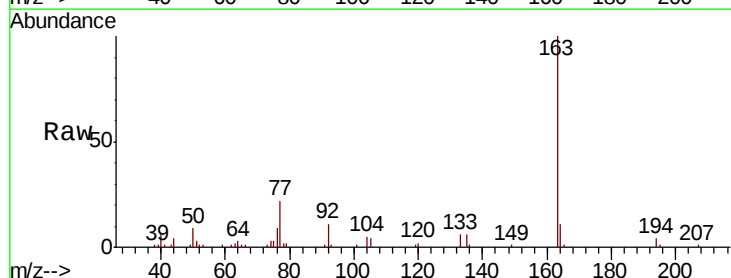
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 6.160 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BG037008.D
Acq: 27 Sep 2018 8:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	4.0	6.0
164	10.7	8.1	12.1

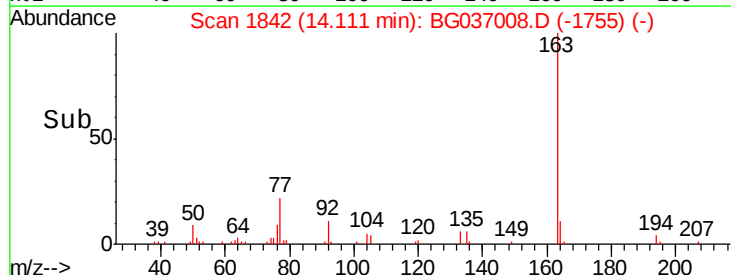
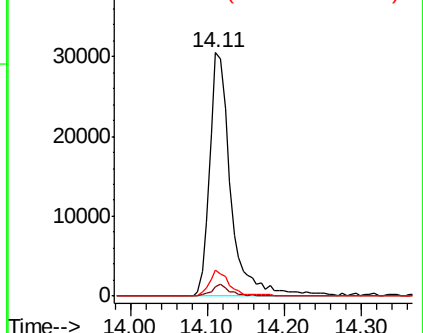


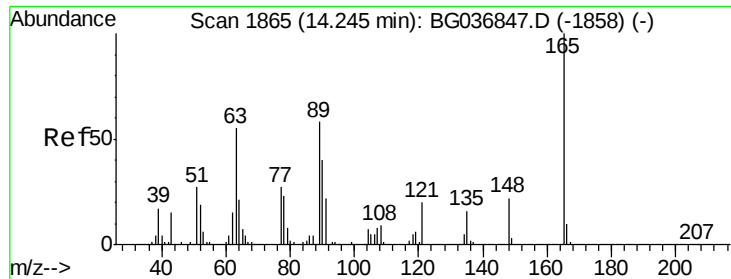
Abundance

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

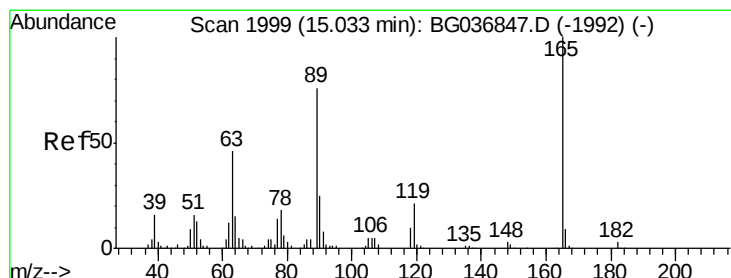
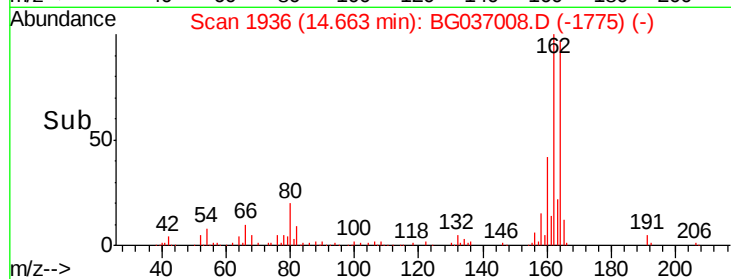
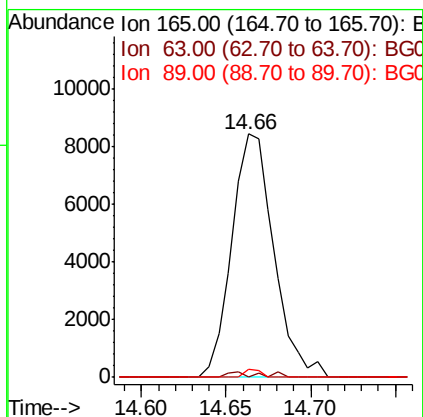
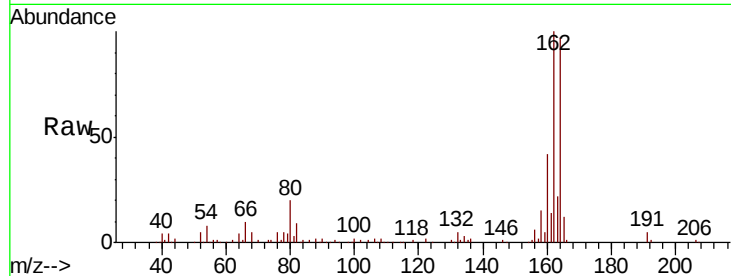




#50
 2,6-Dinitrotoluene
 Concen: 7.145 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037008.D
 Acq: 27 Sep 2018 8:48

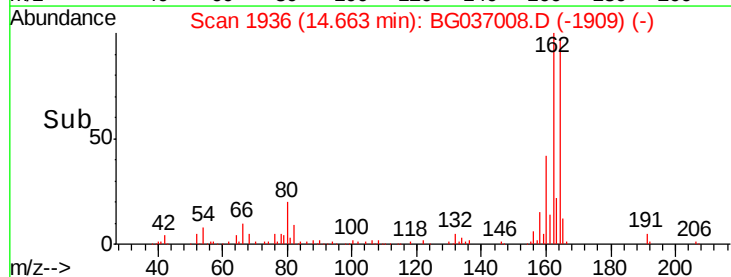
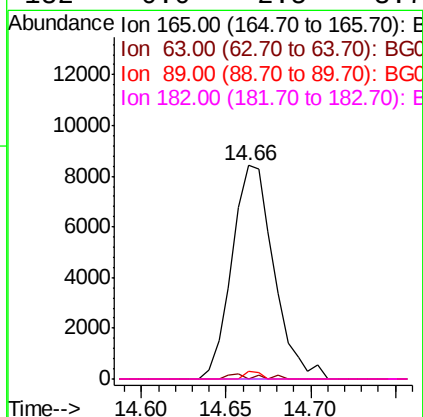
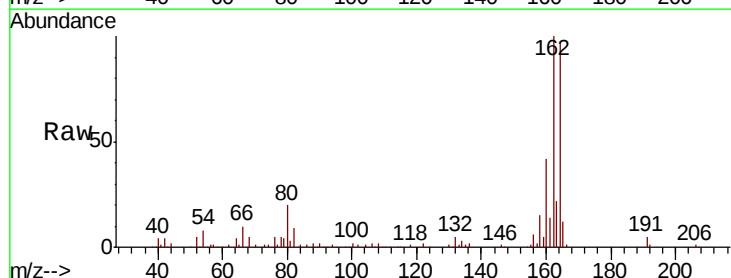
Instrument :
 BNA_G
 ClientSampled :

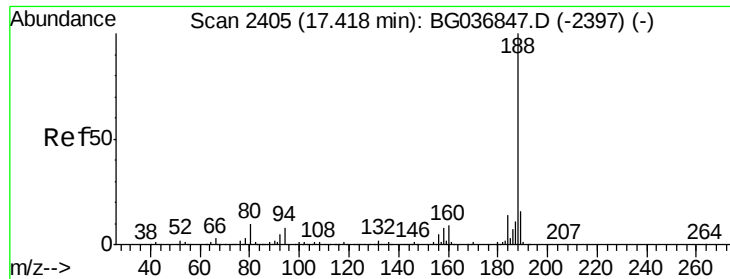
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	3.4	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.120 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037008.D
 Acq: 27 Sep 2018 8:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	3.4	63.7	95.5#
182	0.0	2.5	3.7#

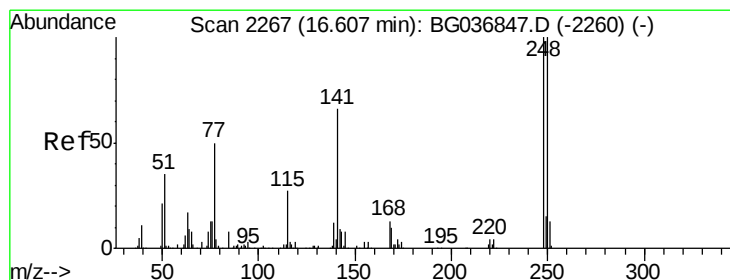
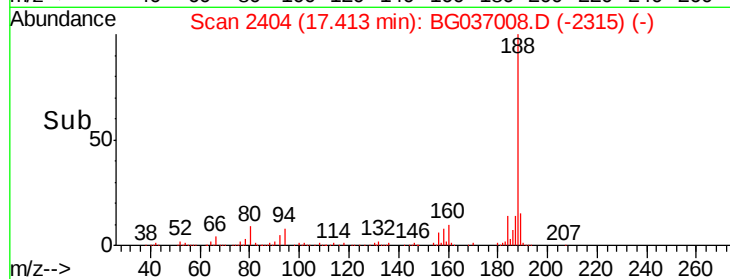
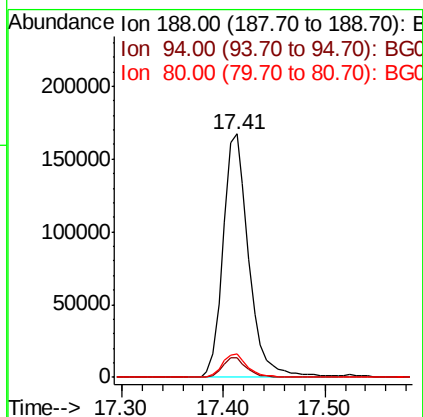
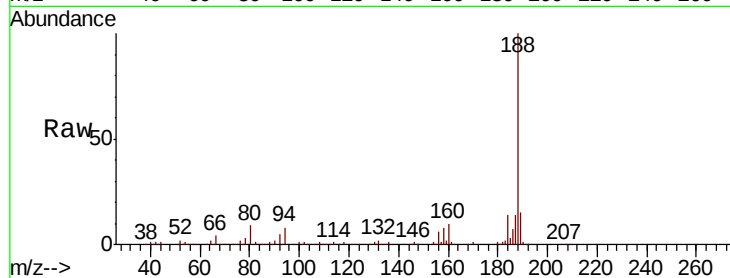




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG037008.D
 Acq: 27 Sep 2018 8:48

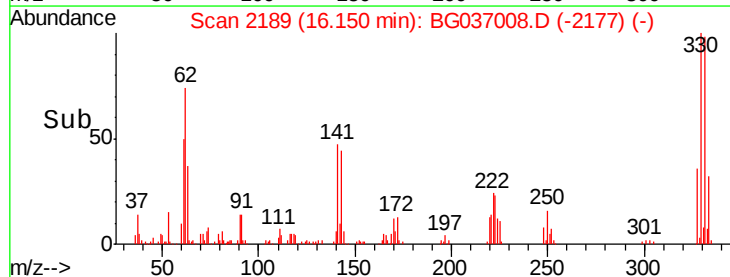
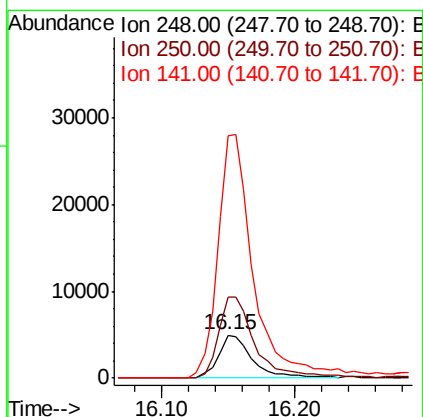
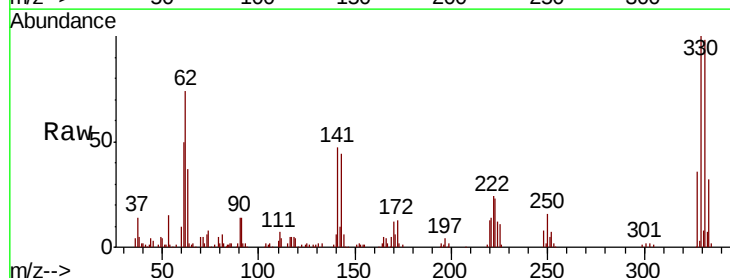
Instrument :
 BNA_G
 ClientSampleId :

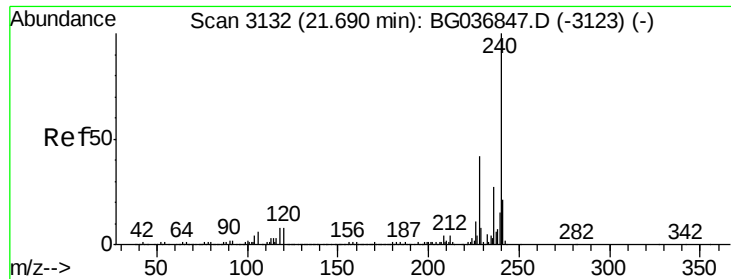
Tot Ion:188 Resp: 293709
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.7 10.1
 80 9.4 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 2.682 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037008.D
 Acq: 27 Sep 2018 8:48

Tgt Ion:248 Resp: 8961
 Ion Ratio Lower Upper
 248 100
 250 186.6 78.1 117.1#
 141 560.2 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG037008.D

Acq: 27 Sep 2018 8:48

Instrument :

BNA_G

ClientSampleId :

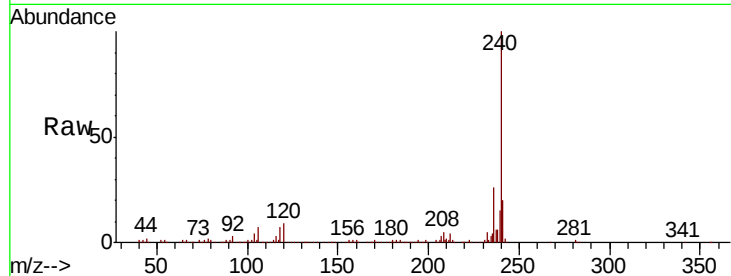
Tot Ion:240 Resp: 312819

Ion Ratio Lower Upper

240 100

120 8.6 6.9 10.3

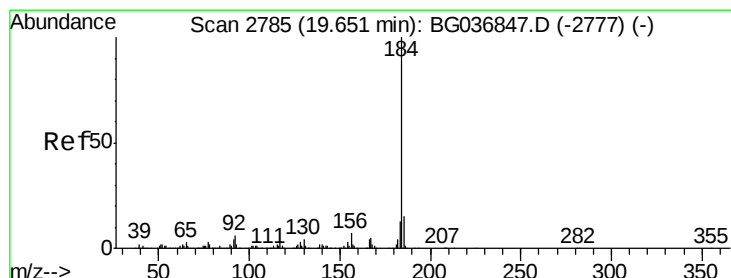
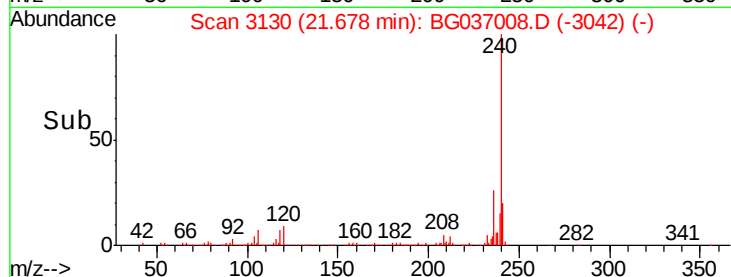
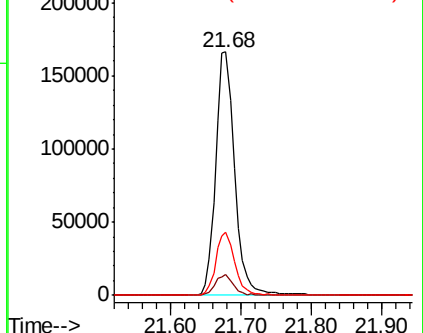
236 26.1 21.2 31.8



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: 2.701 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG037008.D

Acq: 27 Sep 2018 8:48

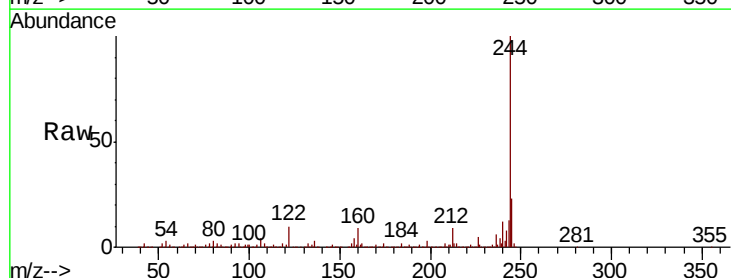
Tgt Ion:184 Resp: 25542

Ion Ratio Lower Upper

184 100

185 18.4 12.6 18.8

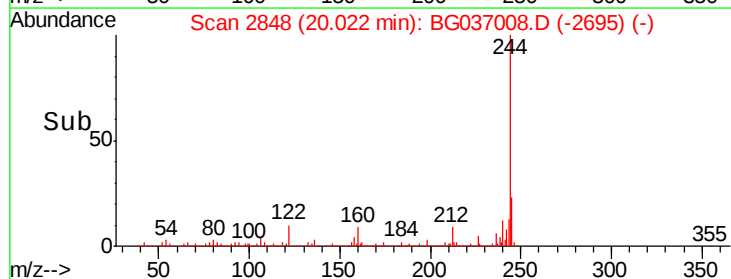
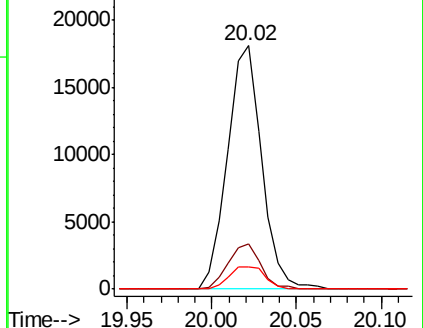
183 8.9 10.9 16.3#

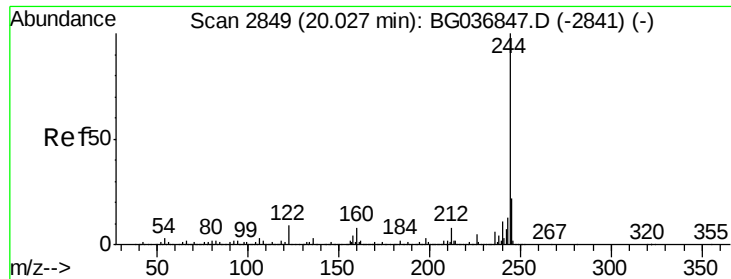


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 117.418 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG037008.D

Acq: 27 Sep 2018 8:48

Instrument :

BNA_G

ClientSampleId :

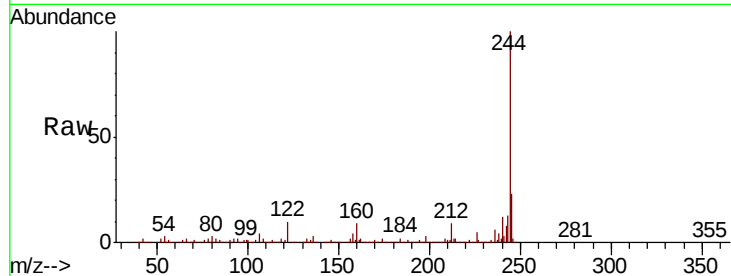
Tot Ion:244 Resp: 1396865

Ion Ratio Lower Upper

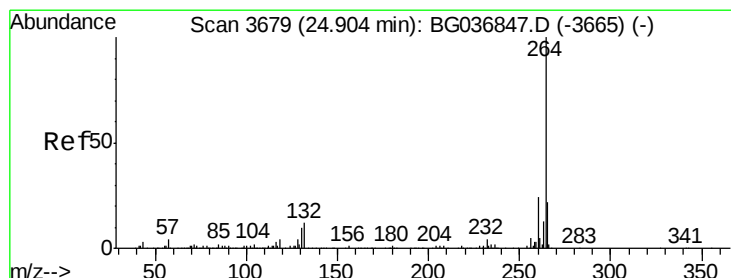
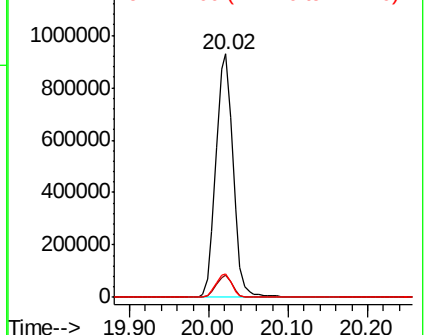
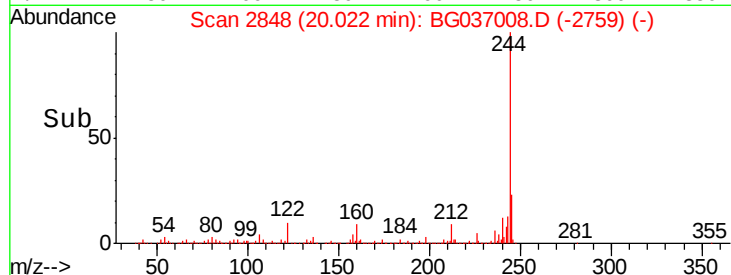
244 100

212 9.1 7.0 10.6

122 9.5 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# 3675

Delta R.T. -0.02 min

Lab File: BG037008.D

Acq: 27 Sep 2018 8:48

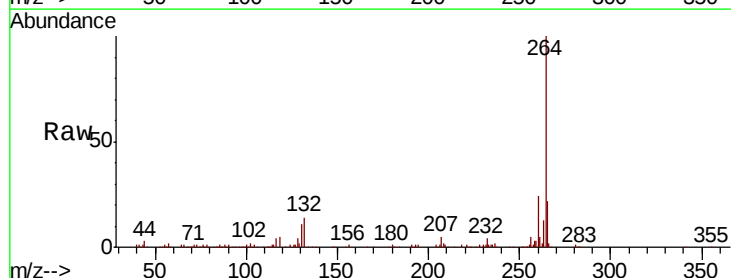
Tgt Ion:264 Resp: 308494

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 22.1 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

