

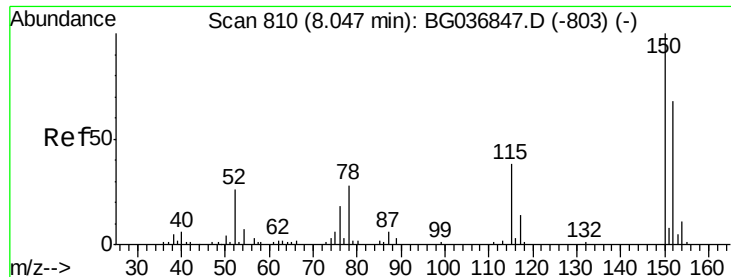
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
 Data File : BG037043.D
 Acq On : 28 Sep 2018 10:11
 Operator : JU/SJ
 Sample : J5076-14
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 13:26:16 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	42083	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	164287	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	105174	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	263652	20.00	ng	0.00
75) Chrysene-d12	21.68	240	300751	20.00	ng	-0.01
86) Perylene-d12	24.88	264	297502	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	116074	52.90	ng	0.00
7) Phenol-d6	7.20	99	92524	27.25	ng	-0.01
23) Nitrobenzene-d5	9.20	82	352899	115.03	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	129469	102.89	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	684556	96.94	ng	0.00
78) Terphenyl-d14	20.02	244	1321030	115.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	46358	16.414	ng	# 71
49) Dimethylphthalate	14.11	163	48611	5.742	ng	# 98
50) 2,6-Dinitrotoluene	14.67	165	12793	6.926	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	12793	4.964	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	9532	3.179	ng	# 1
76) Benzidine	20.02	184	23608	2.597	ng	# 97

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

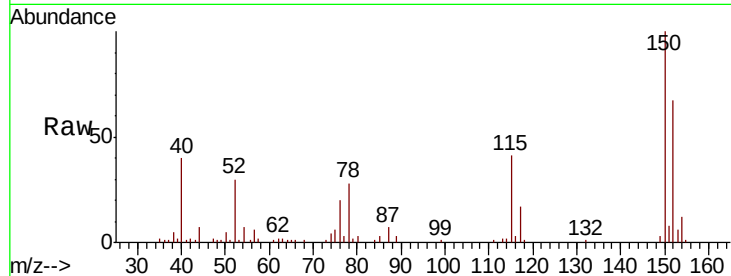


#1

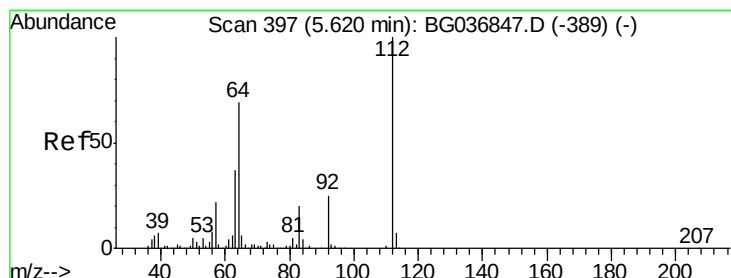
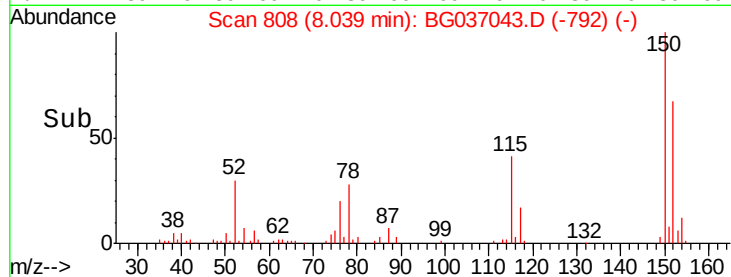
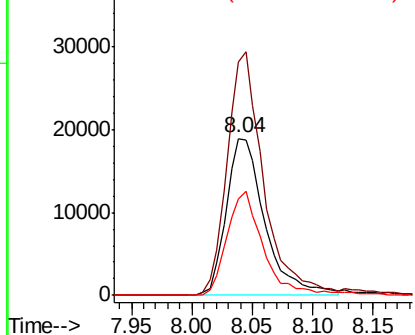
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.01 min
Lab File: BG037043.D
Acq: 28 Sep 2018 10:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 42083
Ion Ratio Lower Upper
152 100
150 149.1 119.5 179.3
115 61.8 44.5 66.7



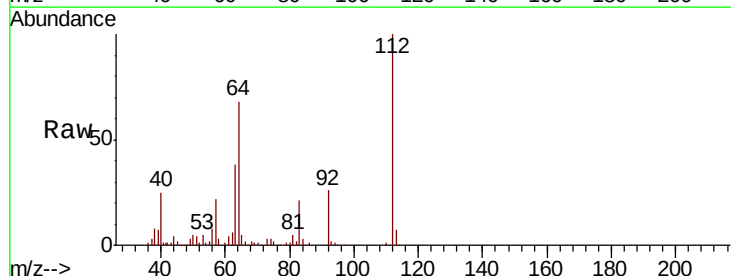
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



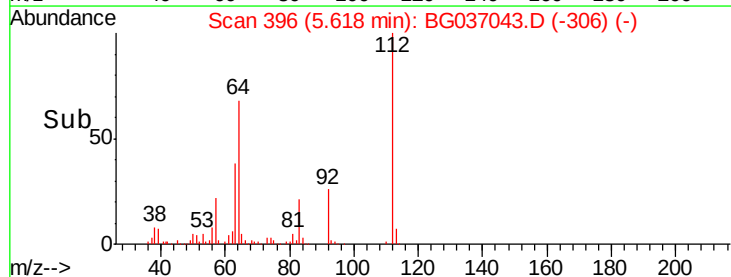
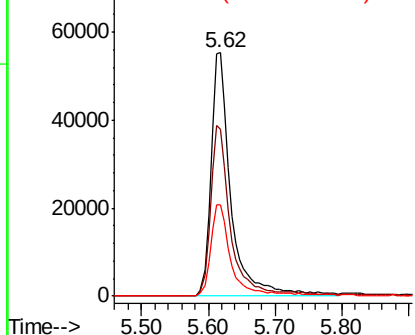
#5

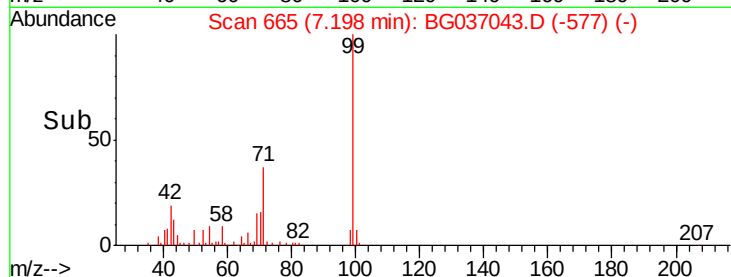
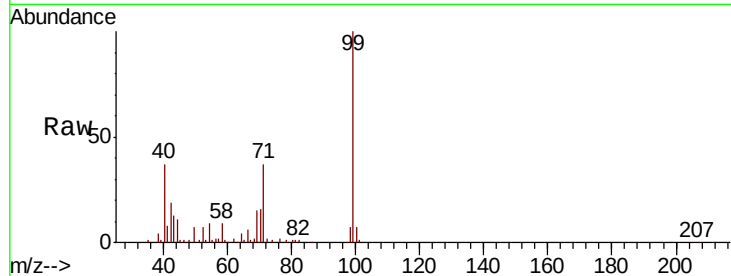
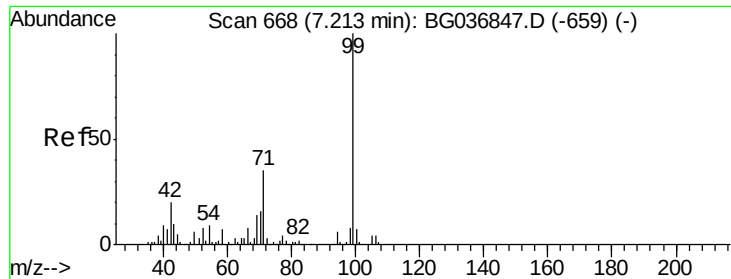
2-Fluorophenol
Concen: 52.897 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG037043.D
Acq: 28 Sep 2018 10:11

Tgt Ion:112 Resp: 116074
Ion Ratio Lower Upper
112 100
64 68.4 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 27.253 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG037043.D

Acq: 28 Sep 2018 10:11

Instrument :

BNA_G

ClientSampled :

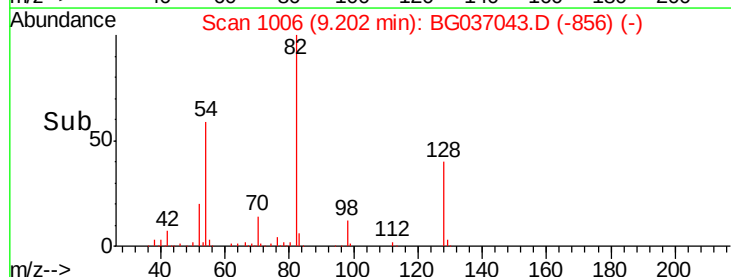
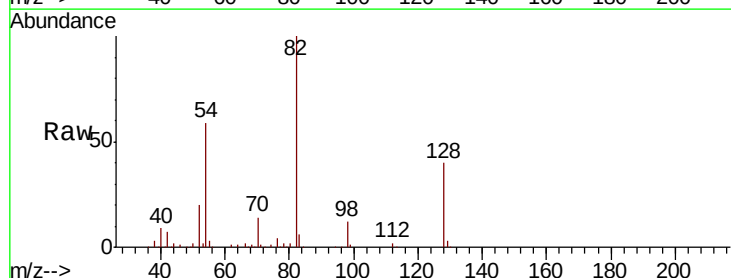
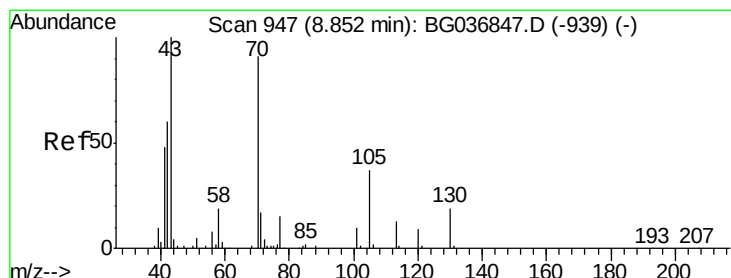
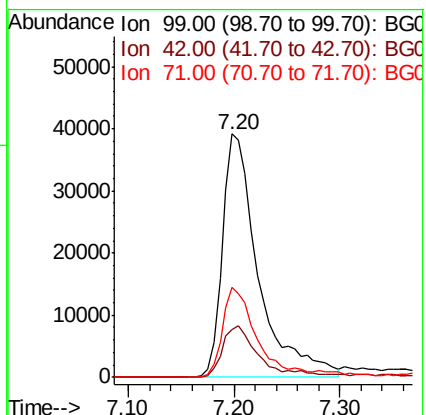
Tot Ion: 99 Resp: 92524

Ion Ratio Lower Upper

99 100

42 19.4 16.5 24.7

71 36.9 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.414 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037043.D

Acq: 28 Sep 2018 10:11

Tgt Ion: 70 Resp: 46358

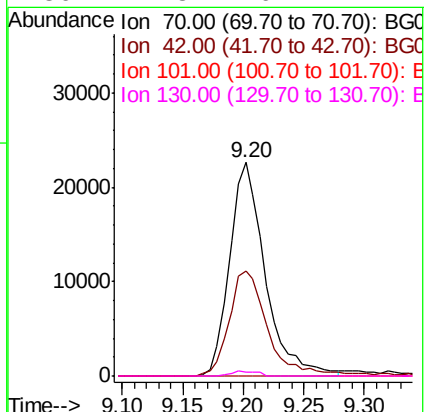
Ion Ratio Lower Upper

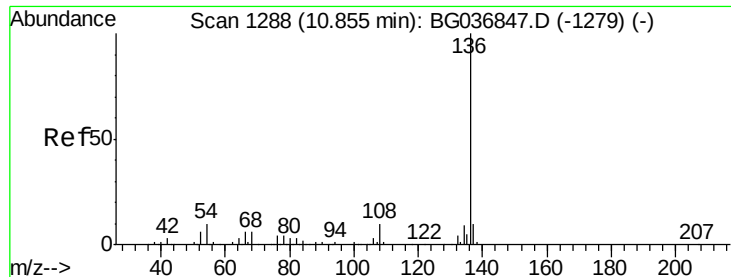
70 100

42 48.9 56.2 84.4#

101 0.0 7.8 11.6#

130 1.8 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037043.D

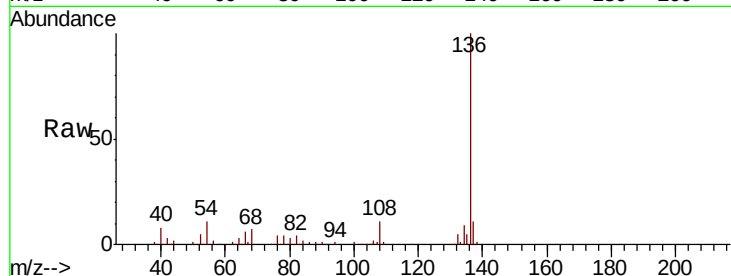
Acq: 28 Sep 2018 10:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	164287
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.8	13.2
54 10.7	9.2	13.8
68 6.9	5.8	8.6

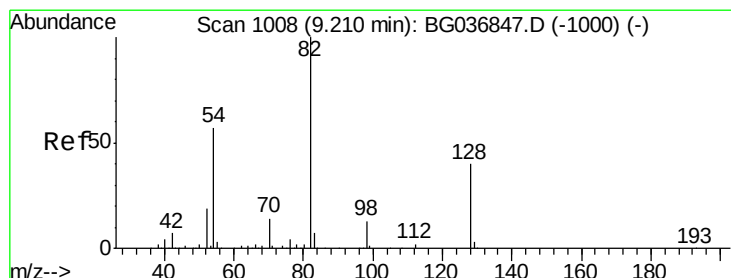
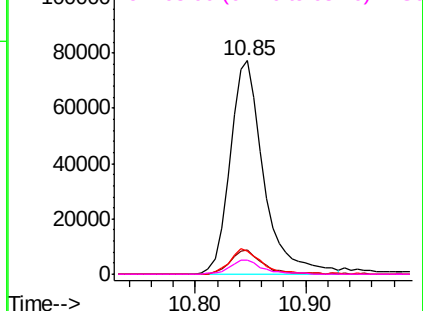
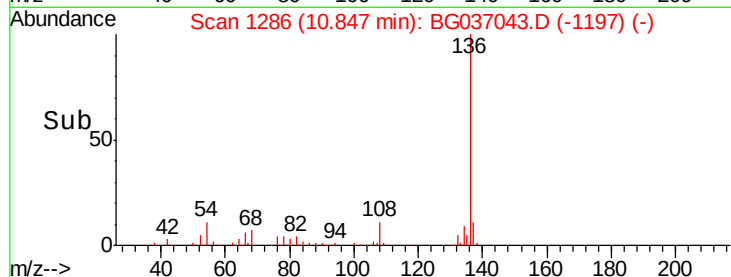


Abundance Ion 136.00 (135.70 to 136.70): E

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: 115.031 ng

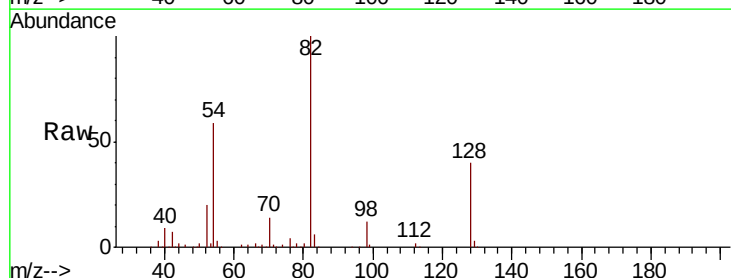
RT: 9.20 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BG037043.D

Acq: 28 Sep 2018 10:11

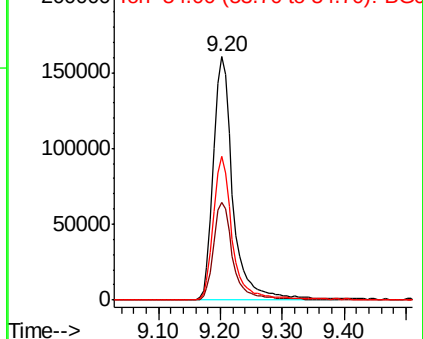
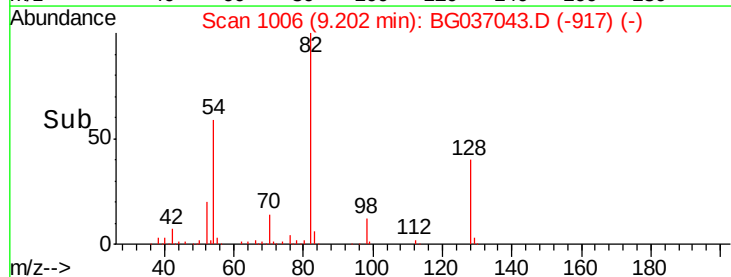
Tgt	Ion: 82	Resp:	352899
Ion	Ratio	Lower	Upper
82	100		
128	40.2	33.3	49.9
54	58.8	45.1	67.7

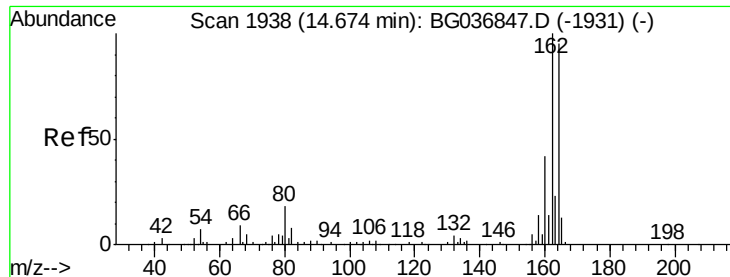


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG037043.D

Acq: 28 Sep 2018 10:11

Instrument :

BNA_G

ClientSampleId :

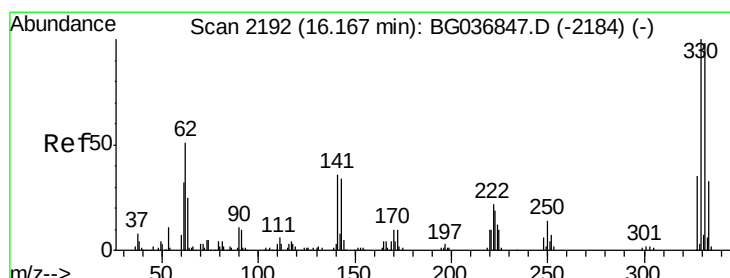
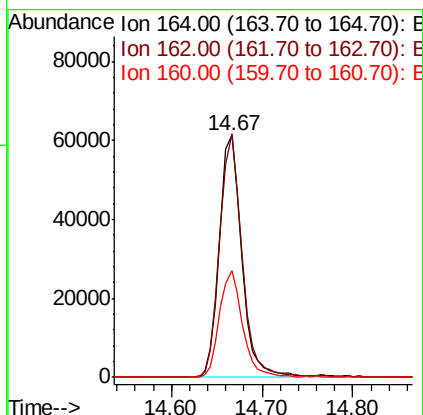
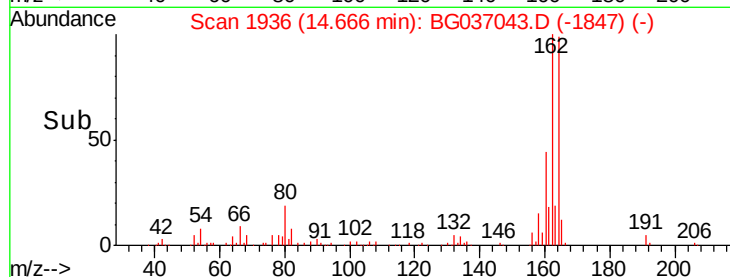
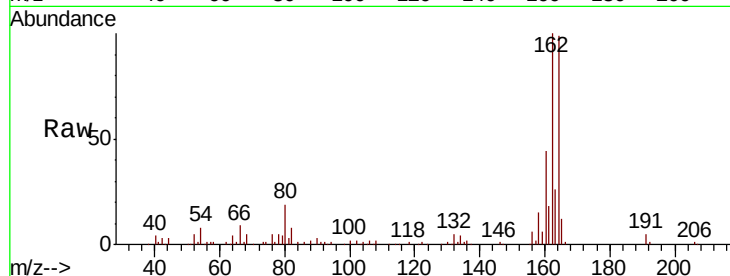
Tot Ion:164 Resp: 105174

Ion Ratio Lower Upper

164 100

162 100.7 80.7 121.1

160 44.0 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 102.889 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BG037043.D

Acq: 28 Sep 2018 10:11

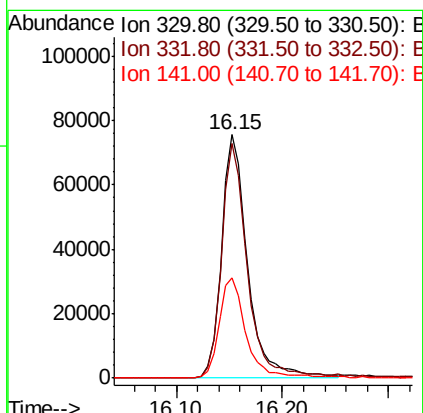
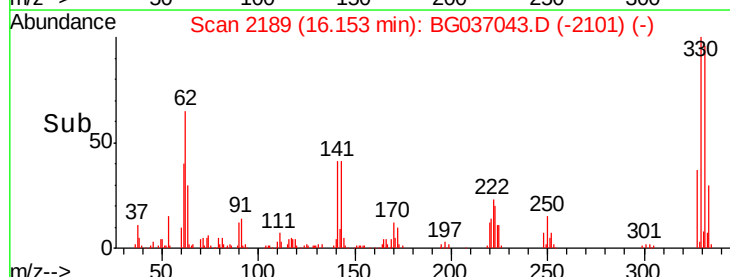
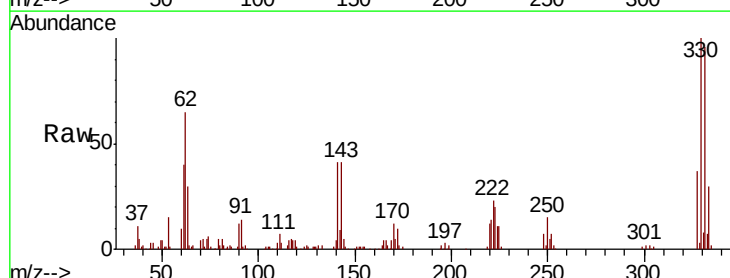
Tgt Ion:330 Resp: 129469

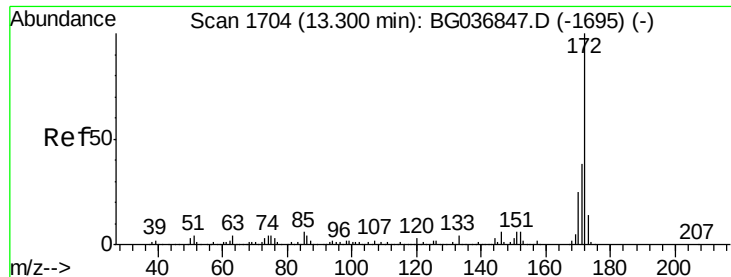
Ion Ratio Lower Upper

330 100

332 97.4 75.4 113.2

141 42.1 30.7 46.1

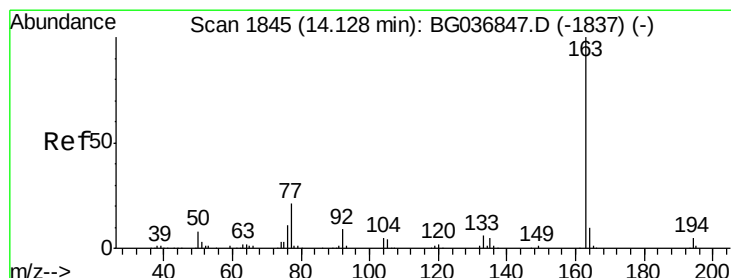
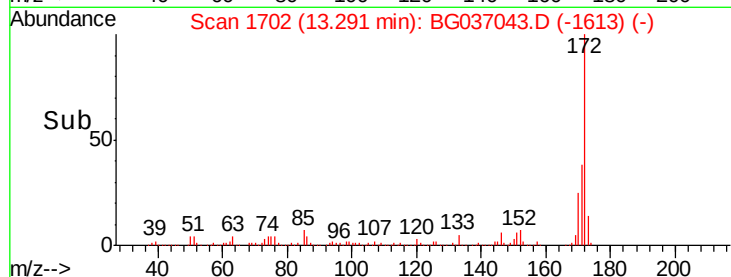
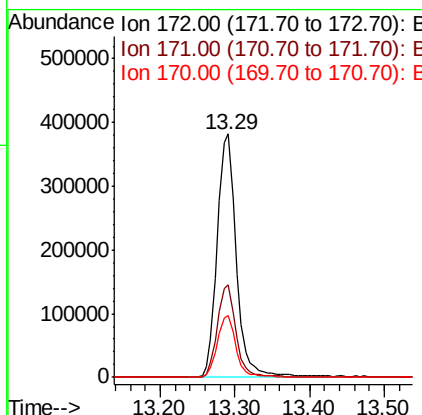
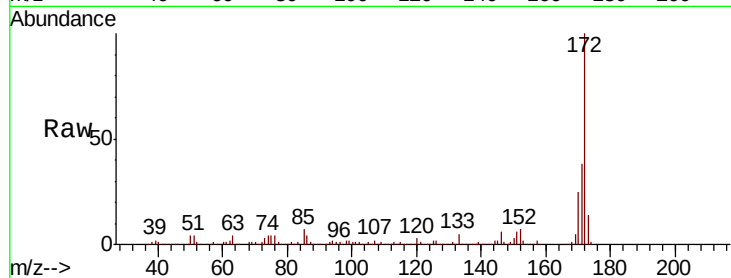




#44
2-Fluorobiphenyl
Concen: 96.941 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BG037043.D
Acq: 28 Sep 2018 10:11

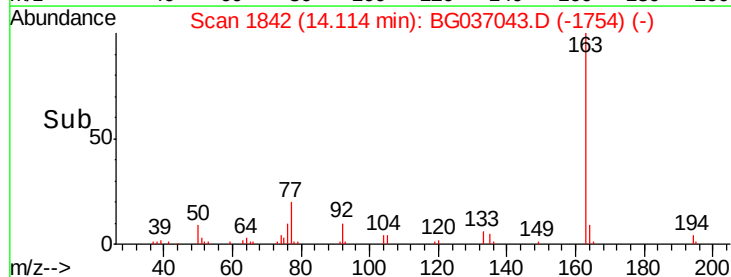
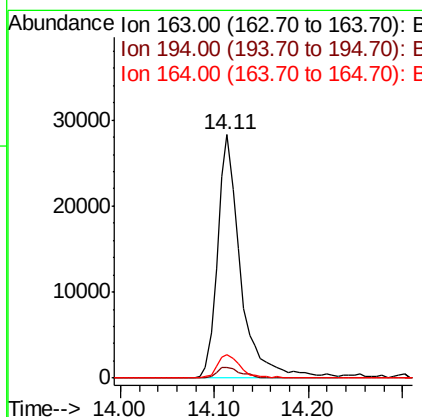
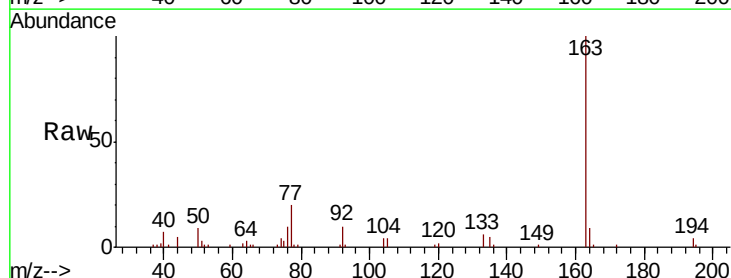
Instrument :
BNA_G
ClientSampled :

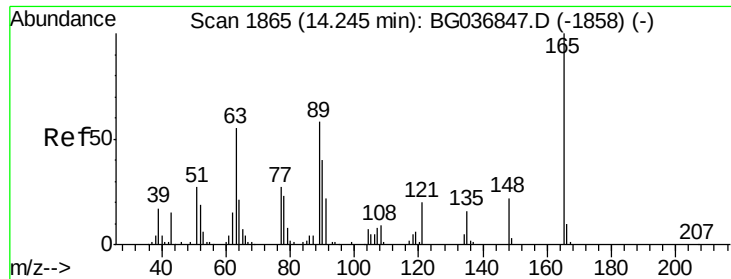
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.3	46.9
170	25.3	21.0	31.6



#49
Dimethylphthalate
Concen: 5.742 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BG037043.D
Acq: 28 Sep 2018 10:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	4.0	6.0
164	9.5	8.1	12.1

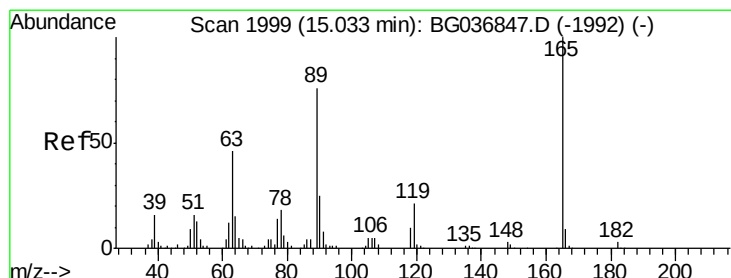
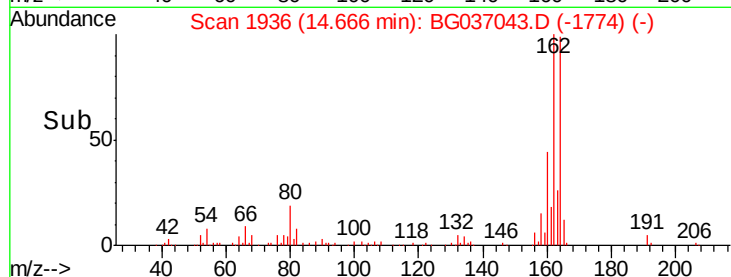
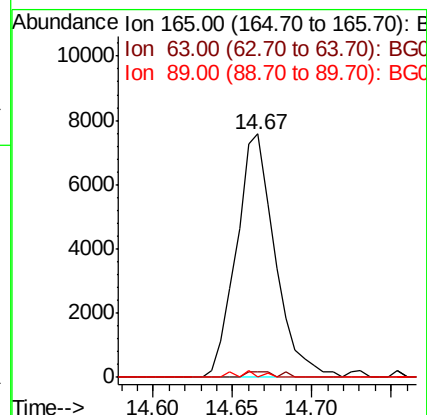
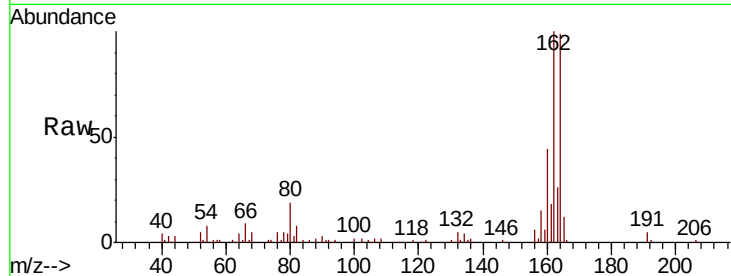




#50
 2,6-Dinitrotoluene
 Concen: 6.926 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037043.D
 Acq: 28 Sep 2018 10:11

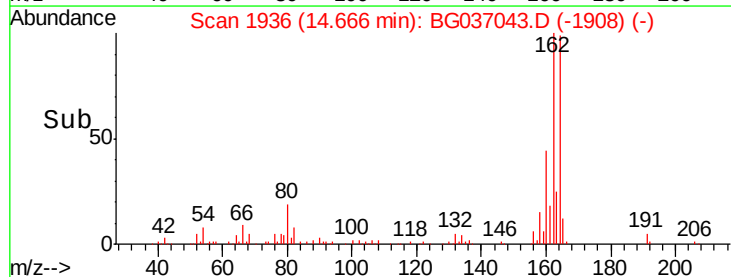
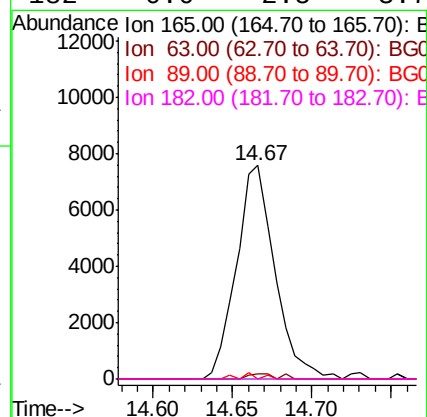
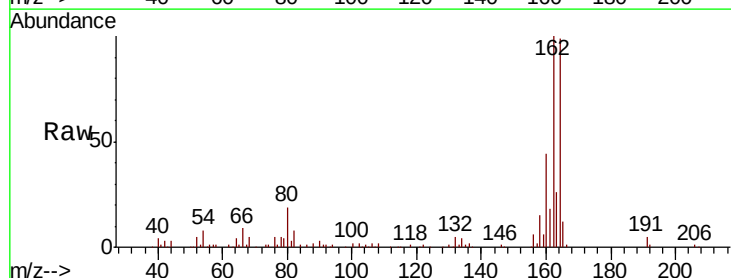
Instrument :
 BNA_G
 ClientSampleId :

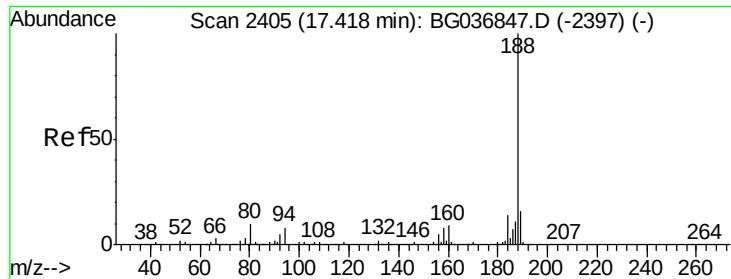
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	50.1	75.1#
89	0.0	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 4.964 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037043.D
 Acq: 28 Sep 2018 10:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

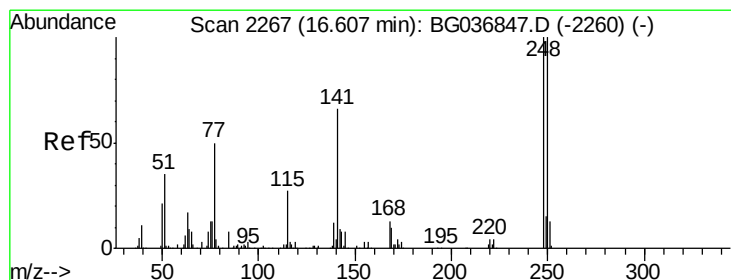
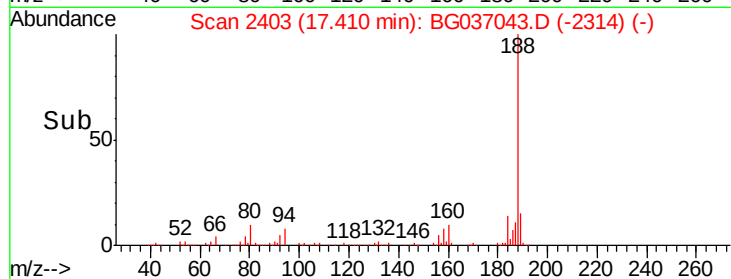
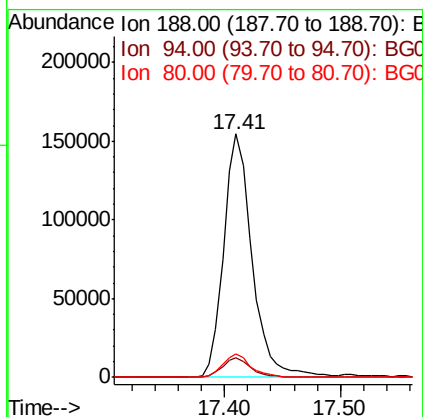
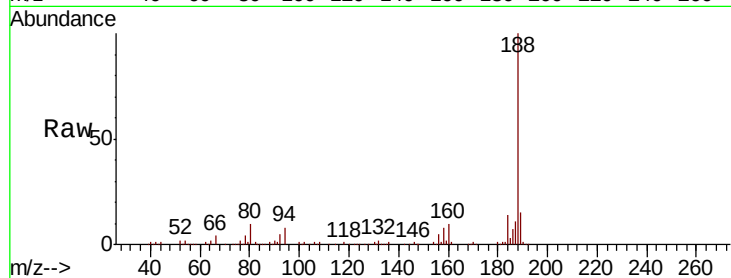




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BG037043.D
Acq: 28 Sep 2018 10:11

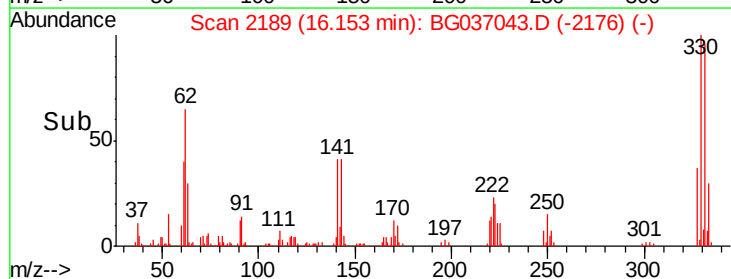
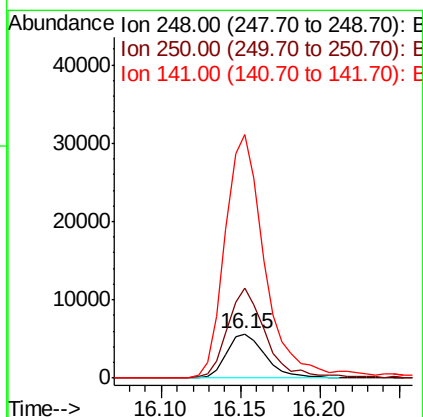
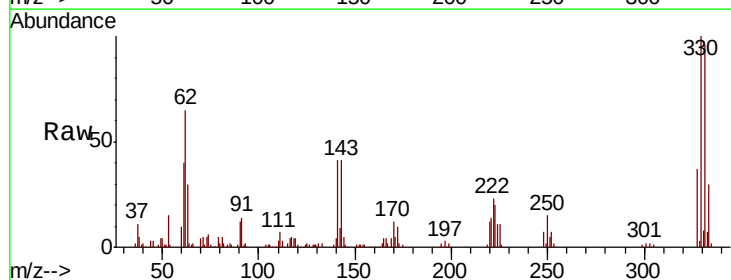
Instrument :
BNA_G
ClientSampleId :

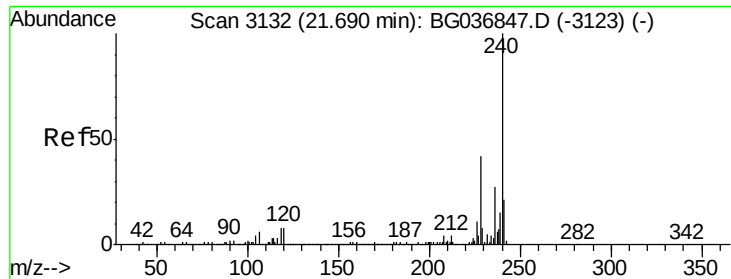
Tot Ion:188 Resp: 263652
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 9.7 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 3.179 ng
RT: 16.15 min Scan# 2189
Delta R.T. -0.45 min
Lab File: BG037043.D
Acq: 28 Sep 2018 10:11

Tgt Ion:248 Resp: 9532
Ion Ratio Lower Upper
248 100
250 205.1 78.1 117.1#
141 551.8 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: BG037043.D

Acq: 28 Sep 2018 10:11

Instrument :

BNA_G

ClientSampleId :

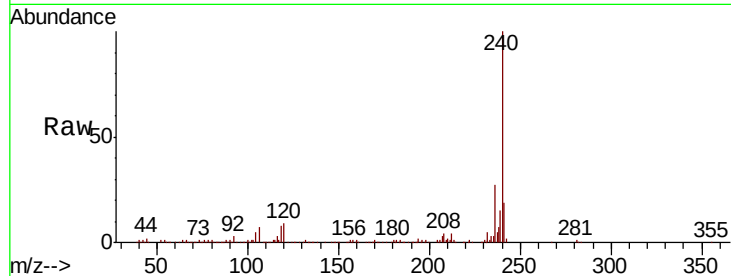
Tot Ion:240 Resp: 300751

Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

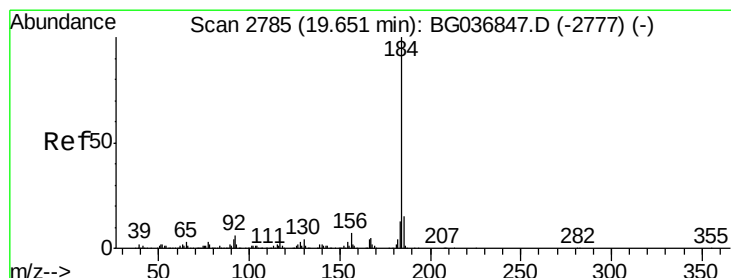
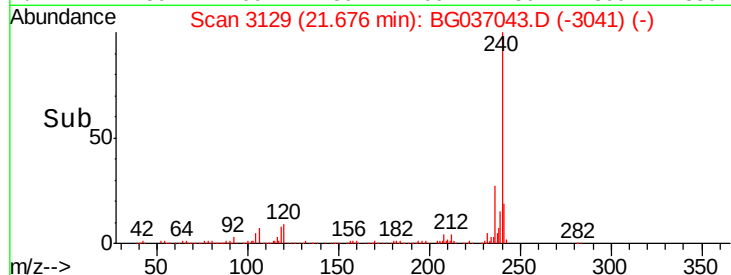
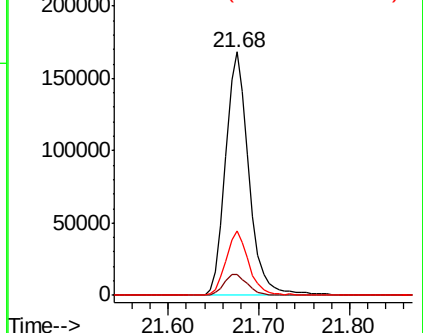
236 26.5 21.2 31.8



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: 2.597 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037043.D

Acq: 28 Sep 2018 10:11

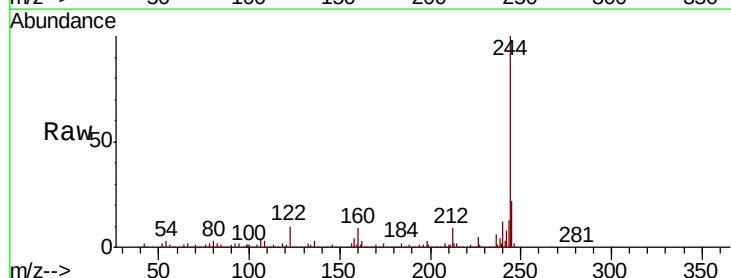
Tgt Ion:184 Resp: 23608

Ion Ratio Lower Upper

184 100

185 16.7 12.6 18.8

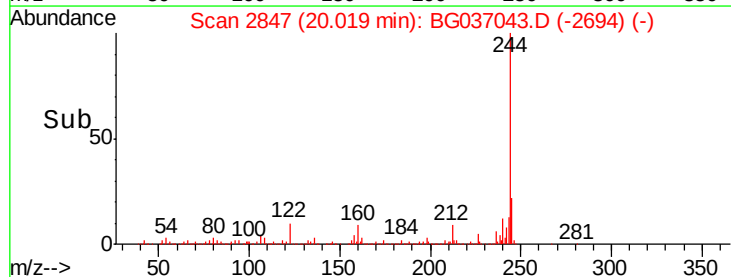
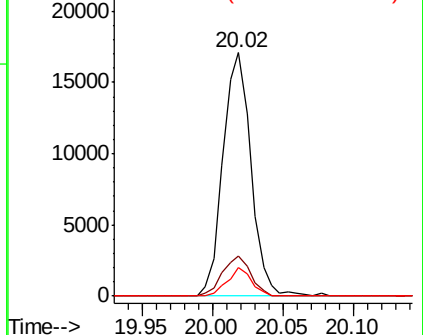
183 11.8 10.9 16.3

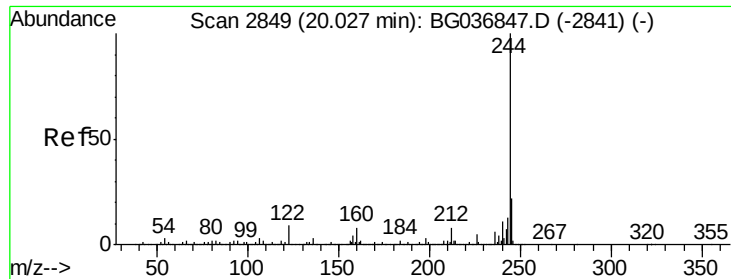


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 115.499 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037043.D

Acq: 28 Sep 2018 10:11

Instrument :

BNA_G

ClientSampleId :

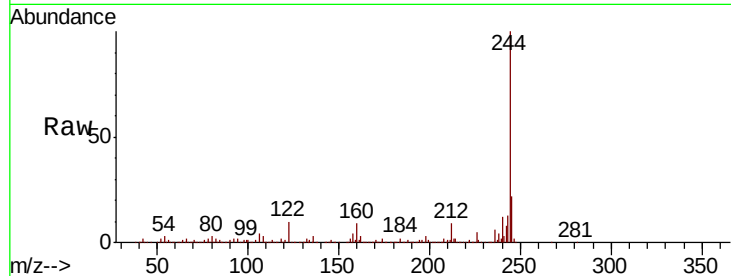
Tot Ion:244 Resp: 1321030

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.6
122	9.9	7.1	10.7

244 100

212 9.0 7.0 10.6

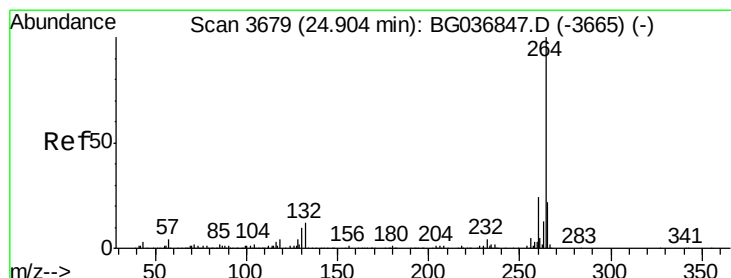
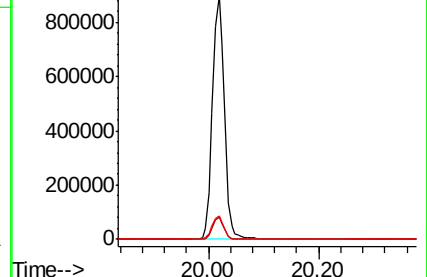
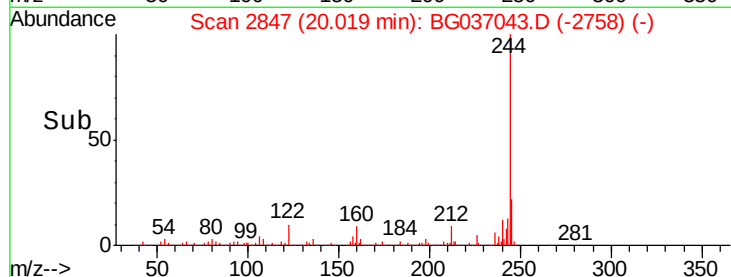
122 9.9 7.1 10.7



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: BG037043.D

Acq: 28 Sep 2018 10:11

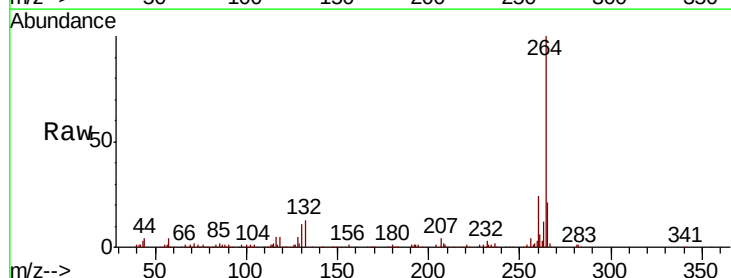
Tgt Ion:264 Resp: 297502

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	20.7	17.4	26.0

264 100

260 24.2 19.6 29.4

265 20.7 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

