

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
 Data File : BG035998.D
 Acq On : 31 Jul 2018 6:36
 Operator : JU/SJ
 Sample : J4219-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 07:39:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 01:42:28 2018
 Response via : Initial Calibration

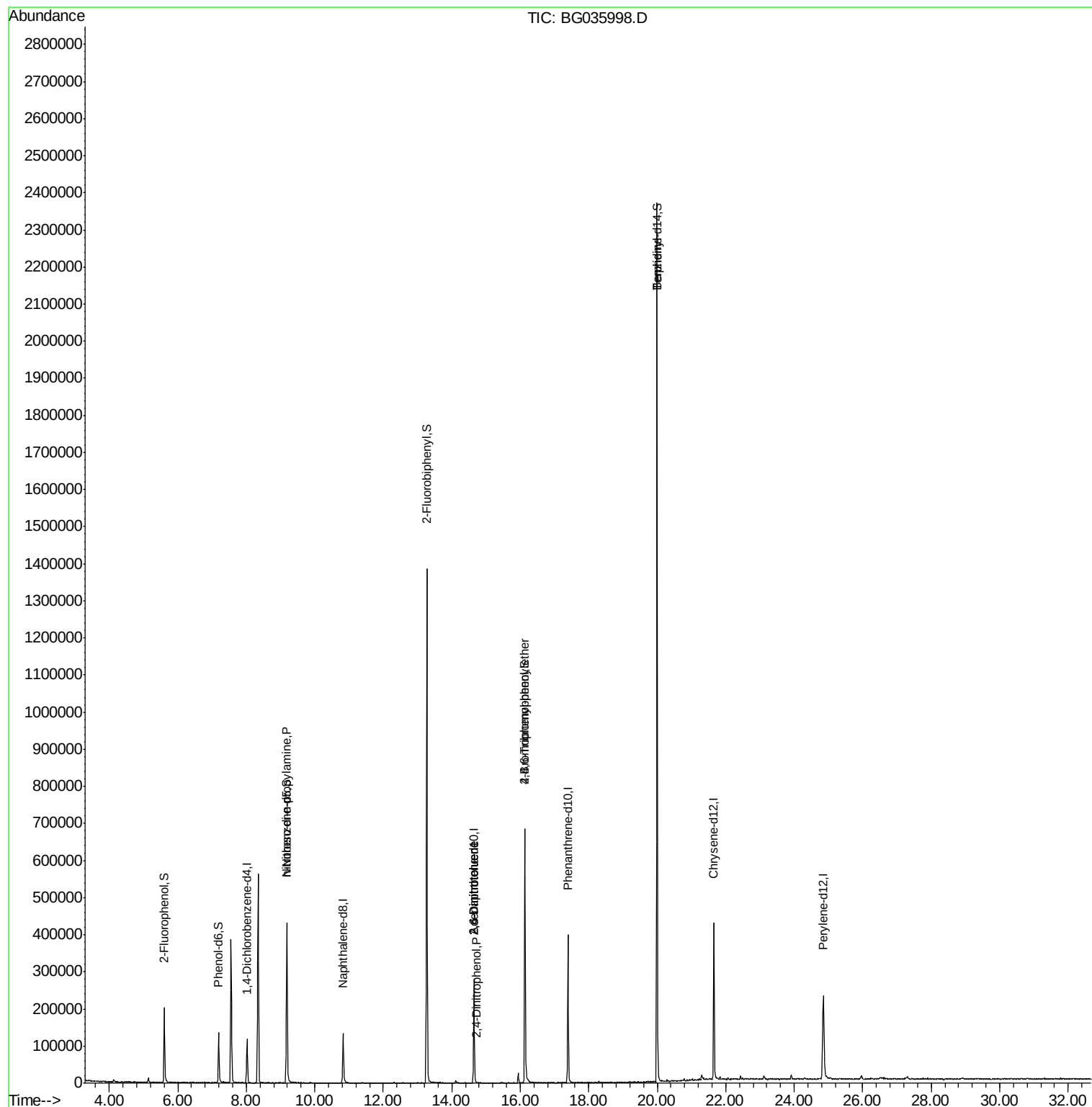
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	34716	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	129950	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	101131	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	279997	20.00	ng	0.00
75) Chrysene-d12	21.65	240	292179	20.00	ng	0.00
86) Perylene-d12	24.85	264	270321	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	99043	47.37	ng	0.00
7) Phenol-d6	7.19	99	91293	29.26	ng	0.00
23) Nitrobenzene-d5	9.18	82	301765	97.01	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	136185	102.17	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	757781	100.39	ng	0.00
78) Terphenyl-d14	20.00	244	1190695	89.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	43034	16.381	ng	# 67
50) 2,6-Dinitrotoluene	14.65	165	12616	6.992	ng	# 23
53) 2,4-Dinitrophenol	14.73	184	65	6.646	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	12616	4.874	ng	# 21
66) 4-Bromophenyl-phenylether	16.13	248	11094	3.415	ng	# 1
76) Benzidine	19.99	184	20727	2.698	ng	# 89

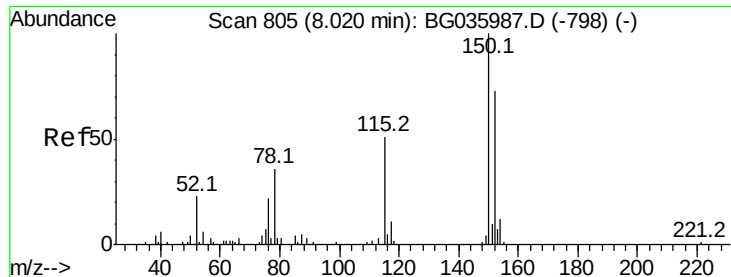
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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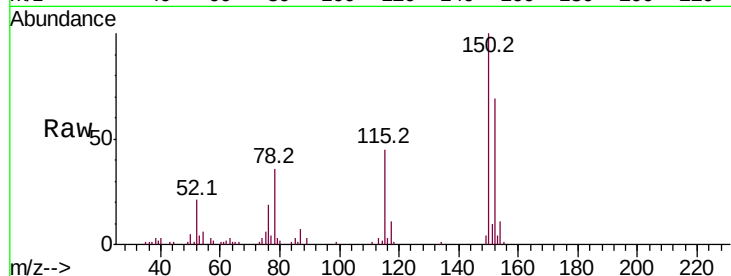


#1

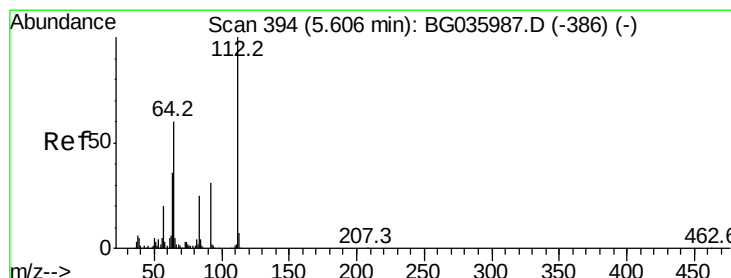
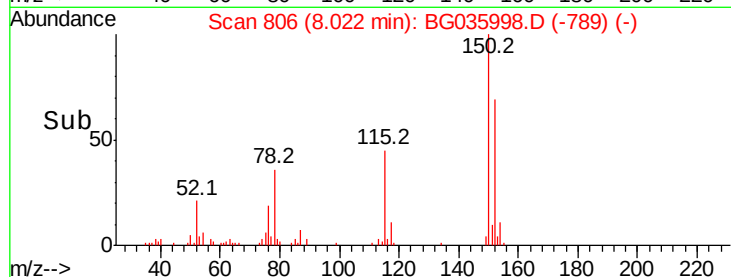
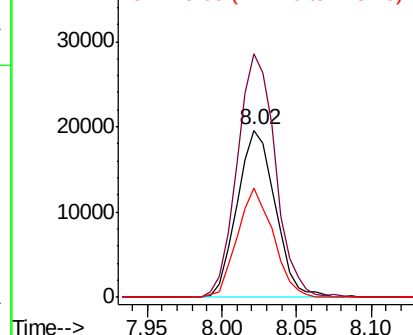
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035998.D
Acq: 31 Jul 2018 6:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.8	126.6	189.8
115	65.2	53.0	79.4



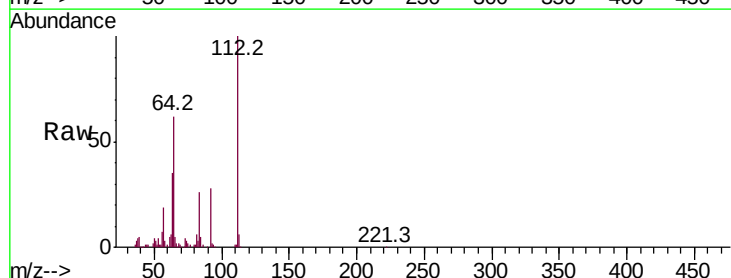
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



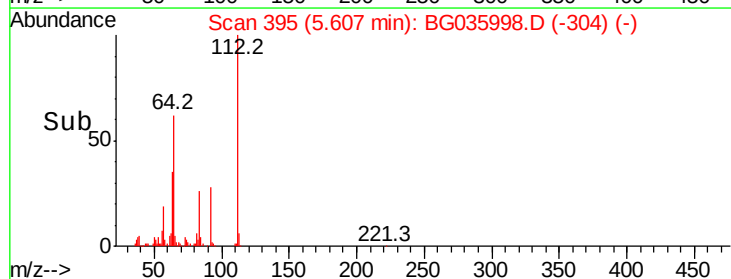
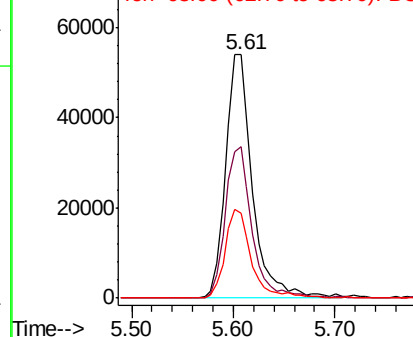
#5

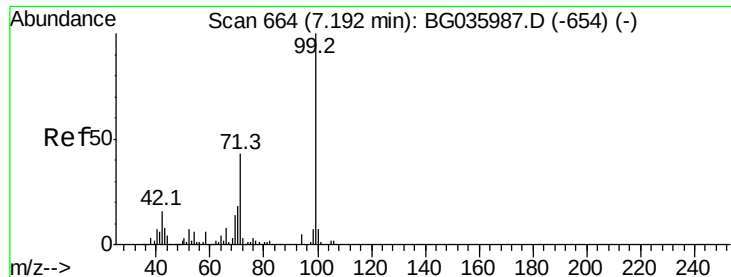
2-Fluorophenol
Concen: 47.366 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG035998.D
Acq: 31 Jul 2018 6:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	56.3	84.5
63	34.6	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 29.263 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

Instrument :

BNA_G

ClientSampleId :

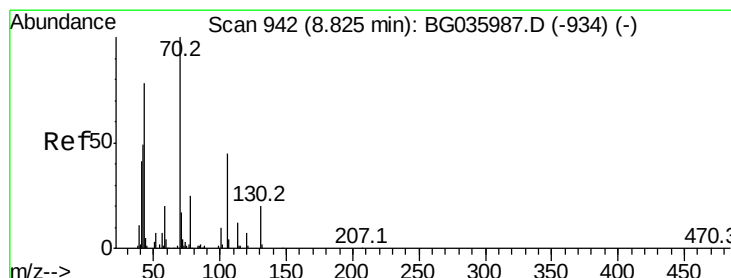
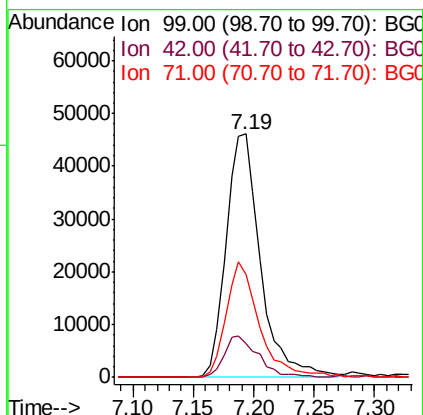
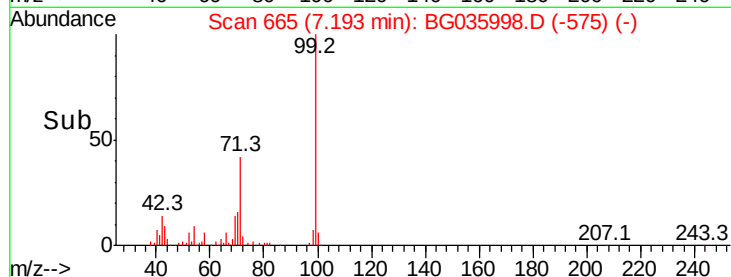
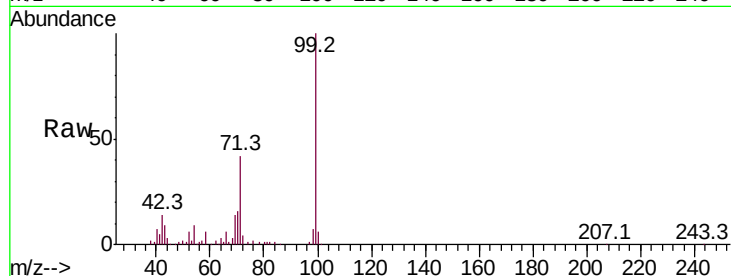
Tot Ion: 99 Resp: 91293

Ion Ratio Lower Upper

99 100

42 13.8 14.1 21.1#

71 42.5 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.381 ng

RT: 9.18 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

Tgt Ion: 70 Resp: 43034

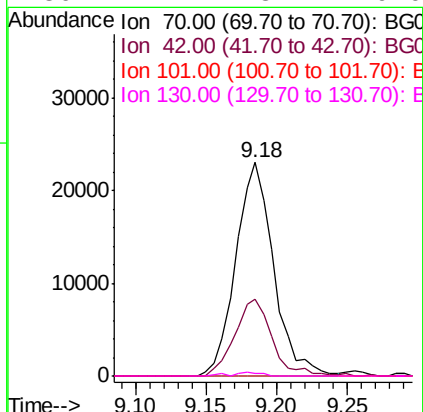
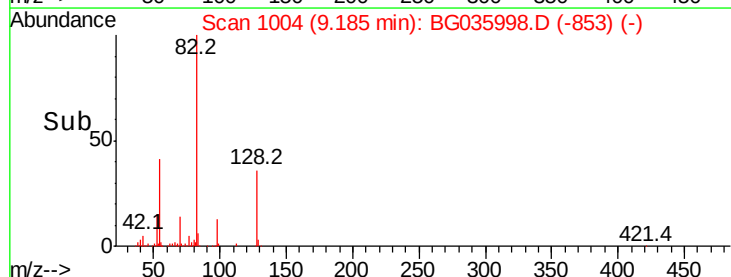
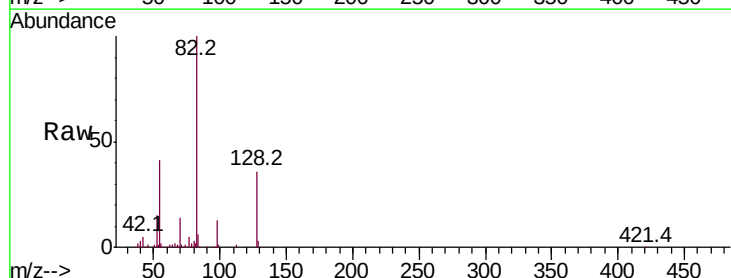
Ion Ratio Lower Upper

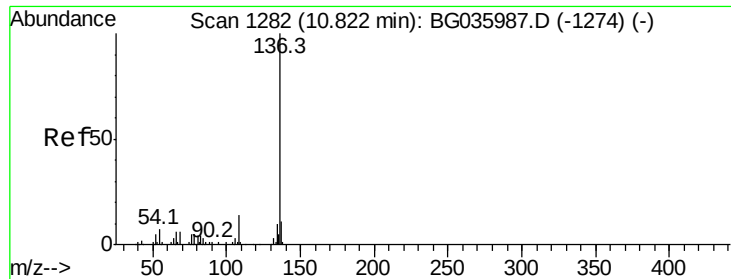
70 100

42 36.2 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 129950

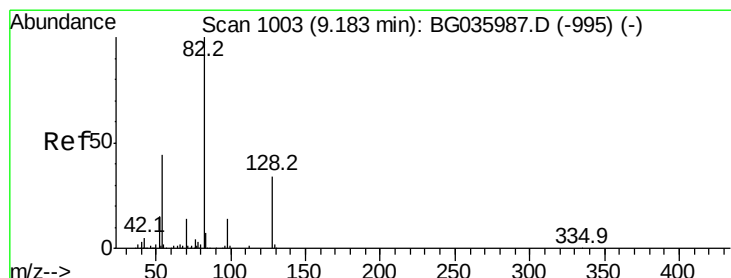
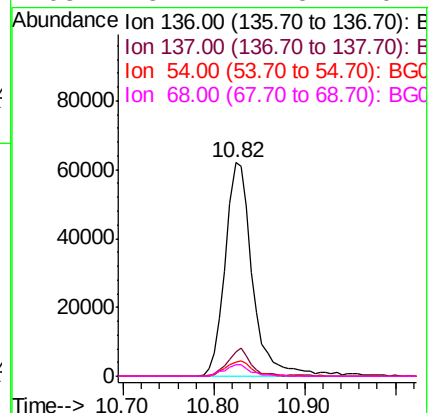
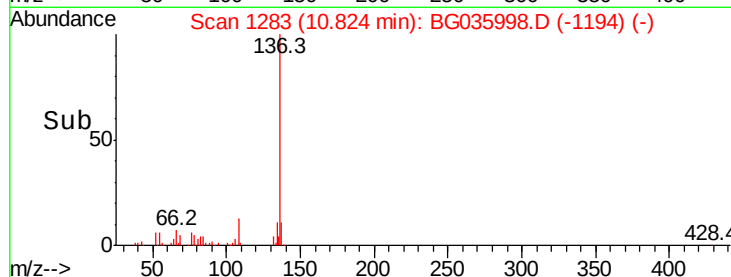
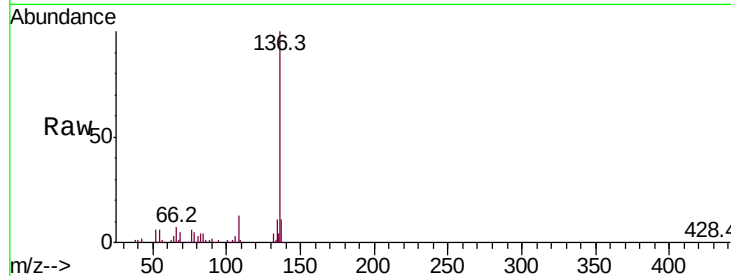
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 6.4 10.3 15.5#

68 5.2 4.5 6.7



#23

Nitrobenzene-d5

Concen: 97.008 ng

RT: 9.18 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

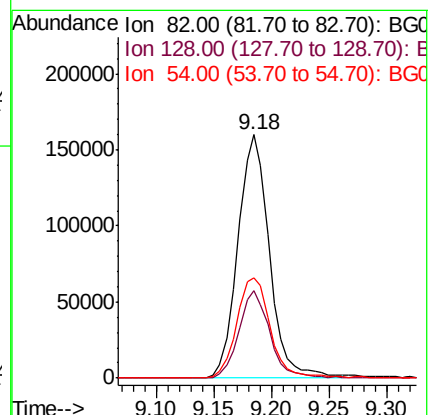
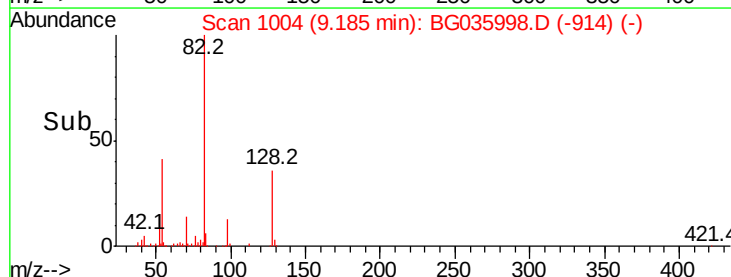
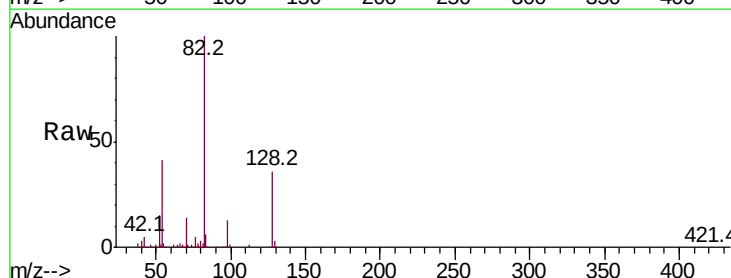
Tgt Ion: 82 Resp: 301765

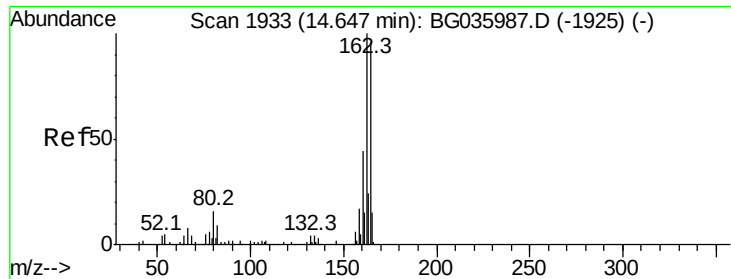
Ion Ratio Lower Upper

82 100

128 35.8 29.7 44.5

54 41.1 43.1 64.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

Instrument :

BNA_G

ClientSampleId :

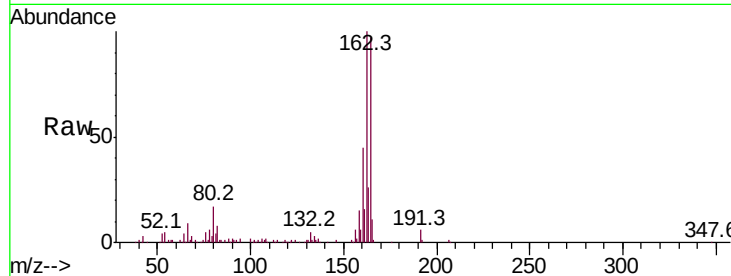
Tot Ion:164 Resp: 101131

Ion Ratio Lower Upper

164 100

162 102.7 78.8 118.2

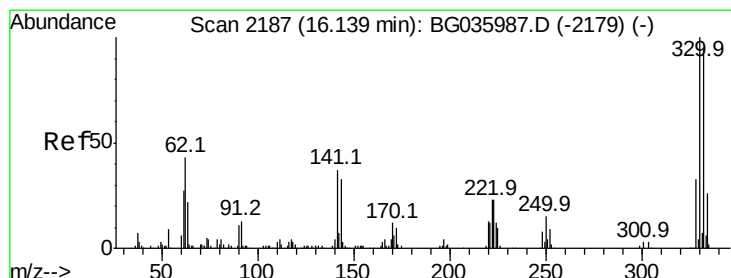
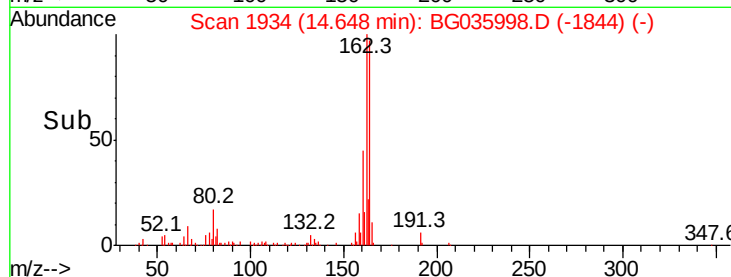
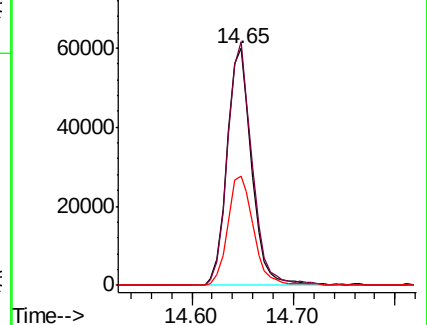
160 46.2 35.4 53.0



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: 102.166 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

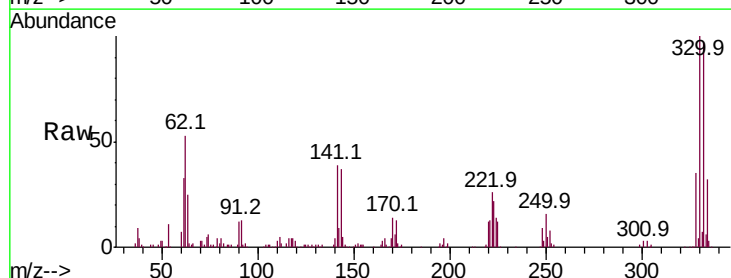
Tgt Ion:330 Resp: 136185

Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

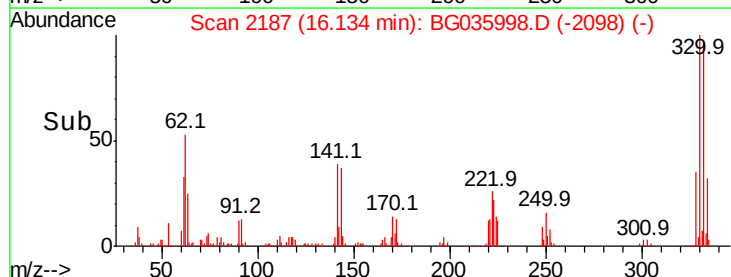
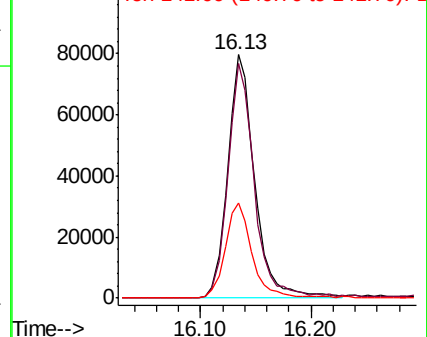
141 39.1 25.2 37.8#

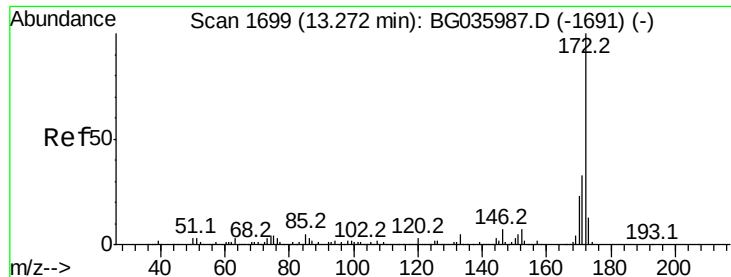


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

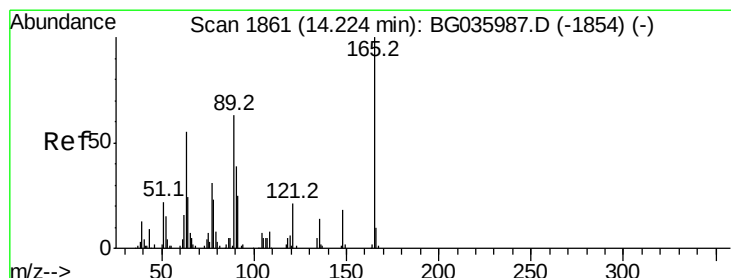
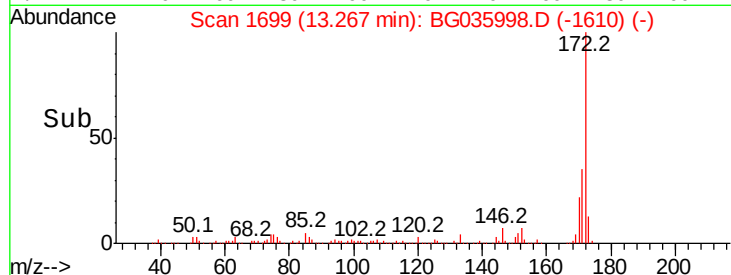
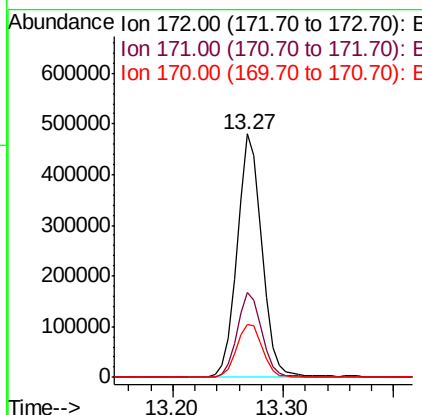
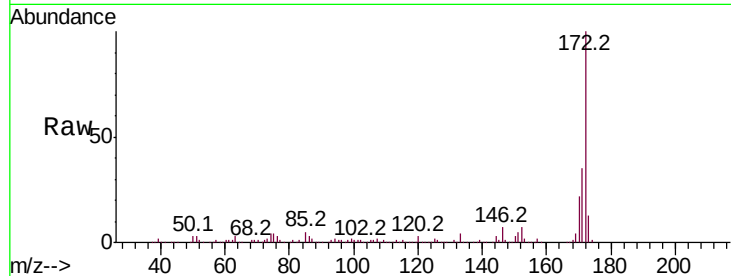




#44
2-Fluorobiphenyl
Concen: 100.388 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.01 min
Lab File: BG035998.D
Acq: 31 Jul 2018 6:36

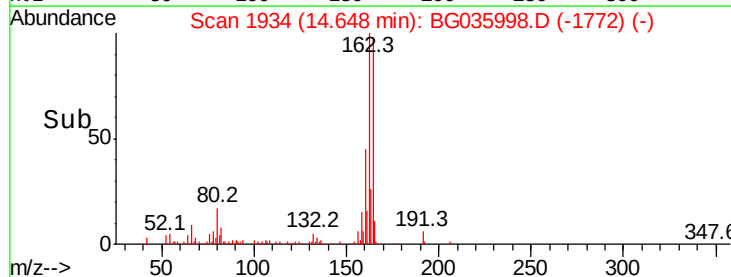
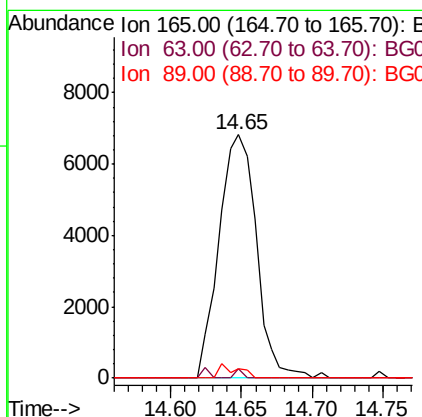
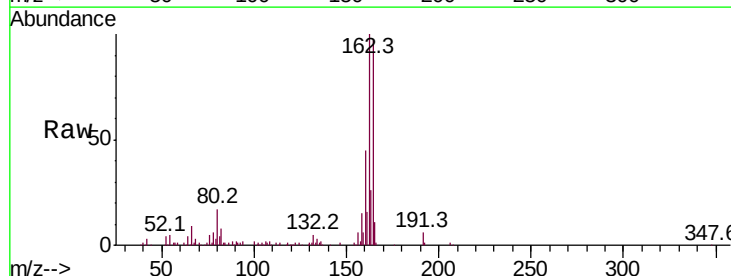
Instrument :
BNA_G
ClientSampleId :

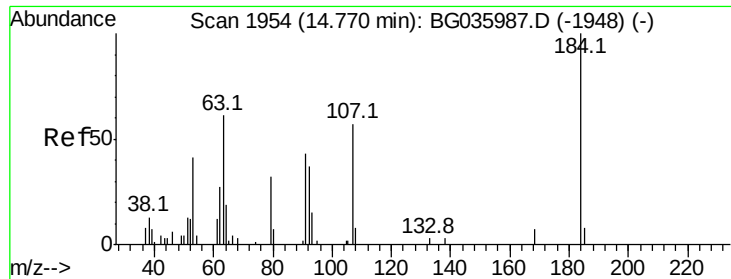
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.0	45.0
170	21.7	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 6.992 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.42 min
Lab File: BG035998.D
Acq: 31 Jul 2018 6:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.0	52.7	79.1#
89	4.0	49.2	73.8#





#53

2,4-Dinitrophenol

Concen: 6.646 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

Instrument :

BNA_G

ClientSampleId :

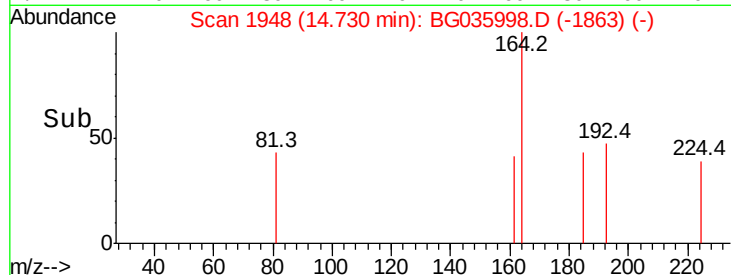
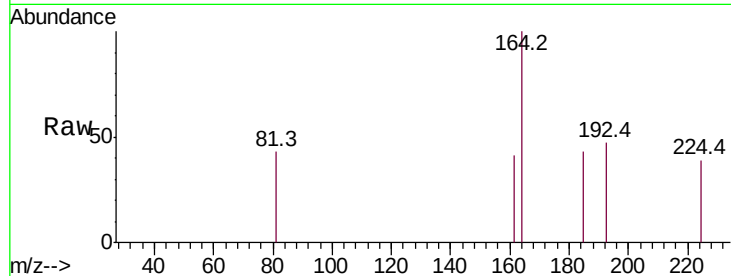
Tot Ion:184 Resp: 65

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

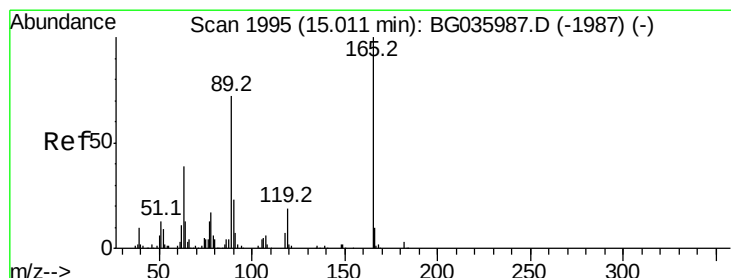
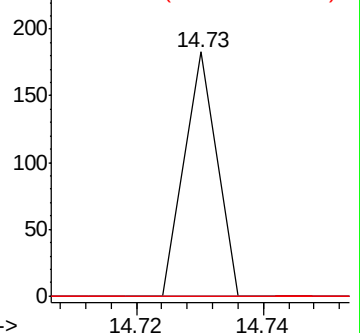
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 4.874 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.37 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

Tgt Ion:165 Resp: 12616

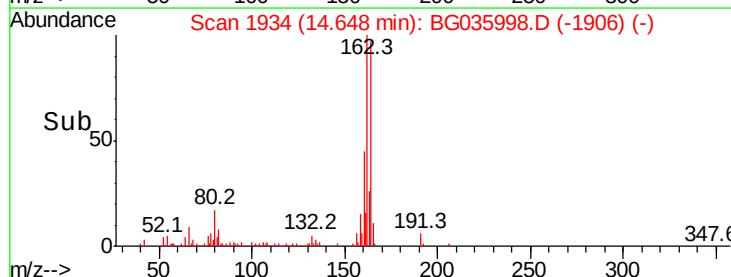
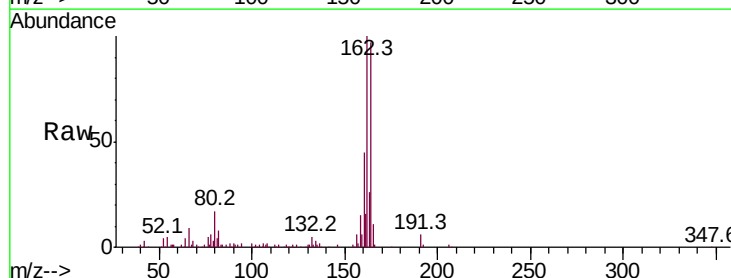
Ion Ratio Lower Upper

165 100

63 4.0 42.0 63.0#

89 4.0 66.9 100.3#

182 0.0 2.6 3.8#

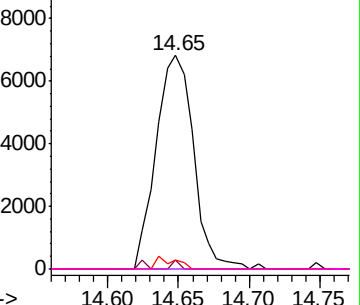


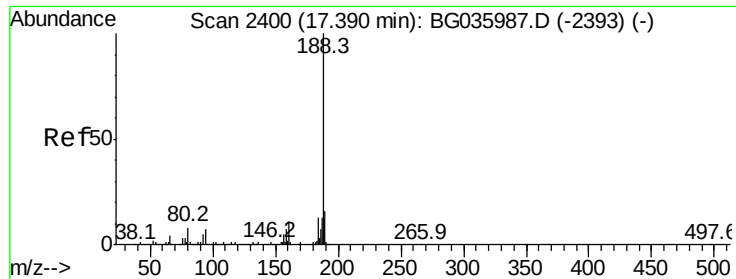
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

Ion 182.00 (181.70 to 182.70): E

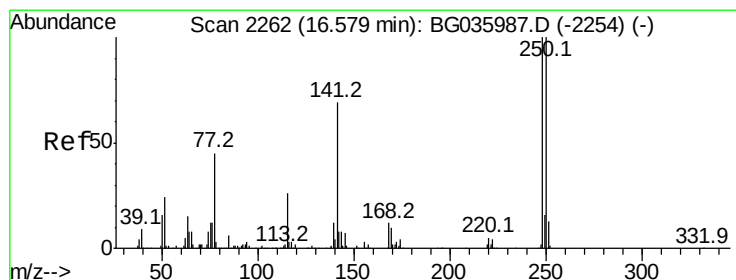
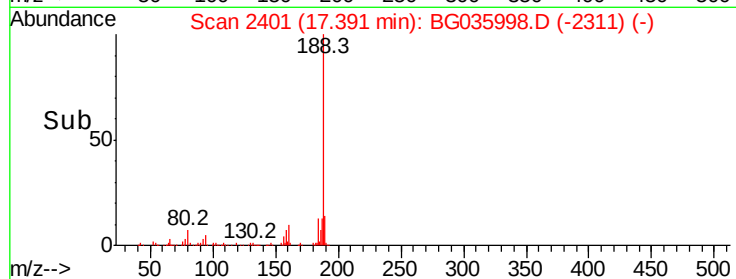
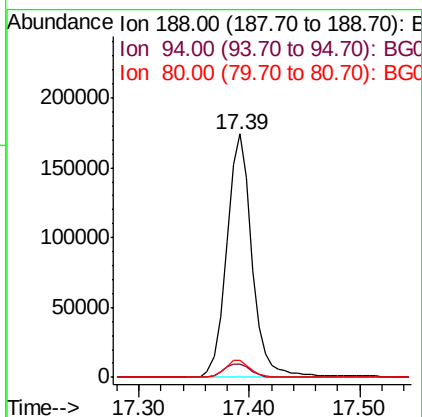
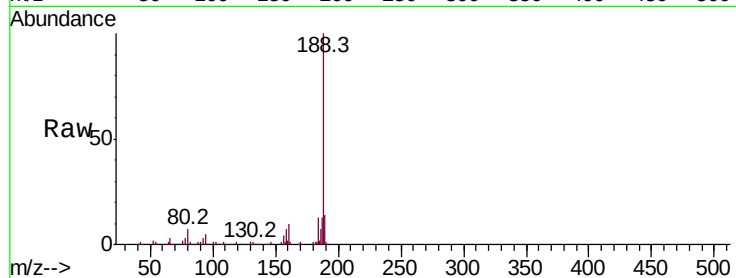




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2401
 Delta R.T. -0.00 min
 Lab File: BG035998.D
 Acq: 31 Jul 2018 6:36

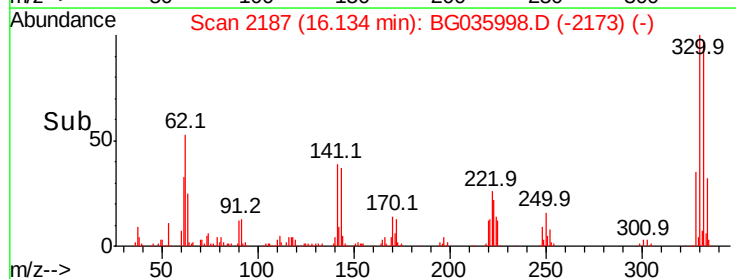
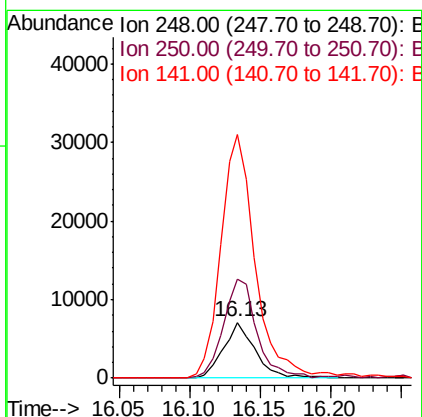
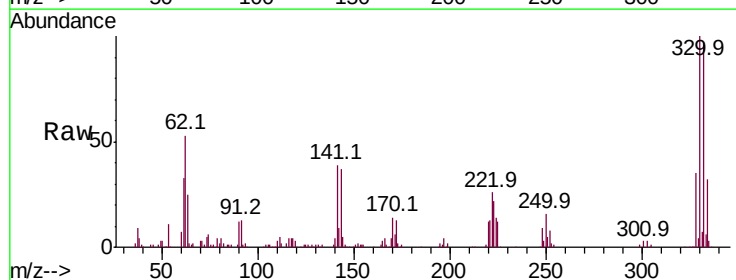
Instrument :
 BNA_G
 ClientSampleId :

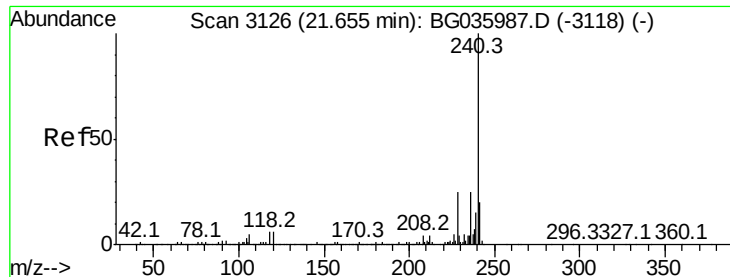
Tot Ion	Ratio	Lower	Upper
188	100		
94	5.5	6.9	10.3#
80	7.0	7.7	11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 3.415 ng
 RT: 16.13 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035998.D
 Acq: 31 Jul 2018 6:36

Tgt Ion	Ratio	Lower	Upper
248	100		
250	176.7	77.1	115.7#
141	436.0	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

Instrument :

BNA_G

ClientSampleId :

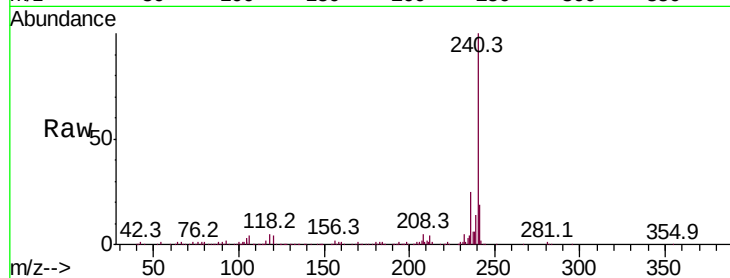
Tot Ion:240 Resp: 292179

Ion Ratio Lower Upper

240 100

120 4.2 6.8 10.2#

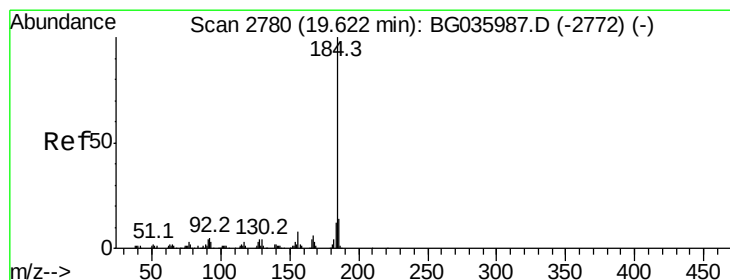
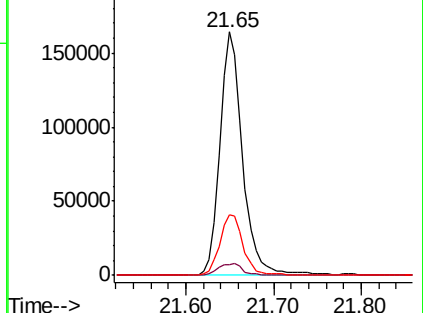
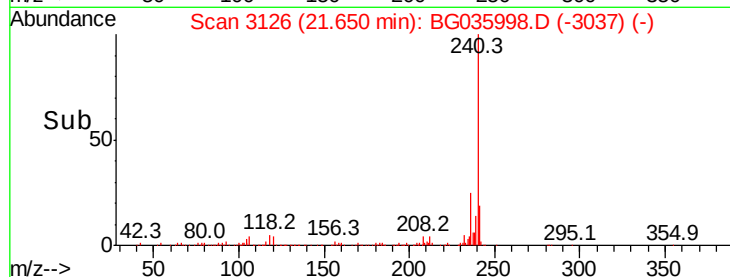
236 25.1 20.9 31.3



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: 2.698 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

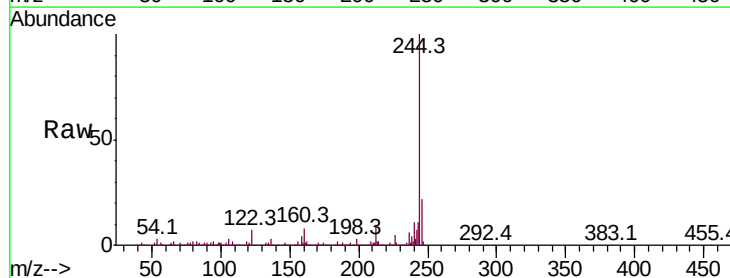
Tgt Ion:184 Resp: 20727

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

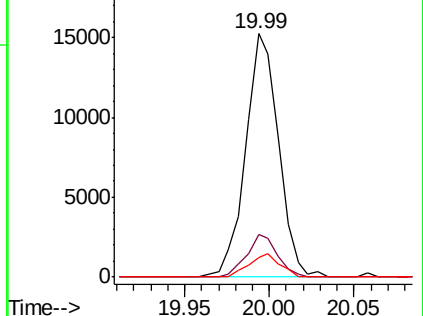
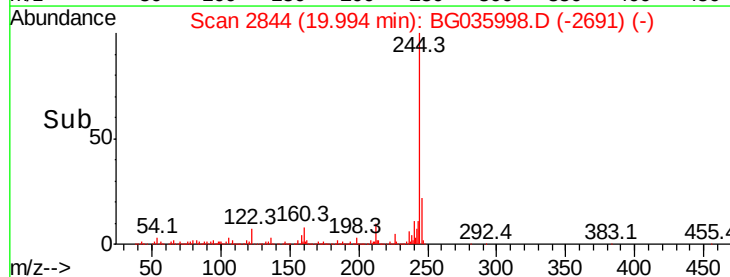
183 8.0 10.6 16.0#

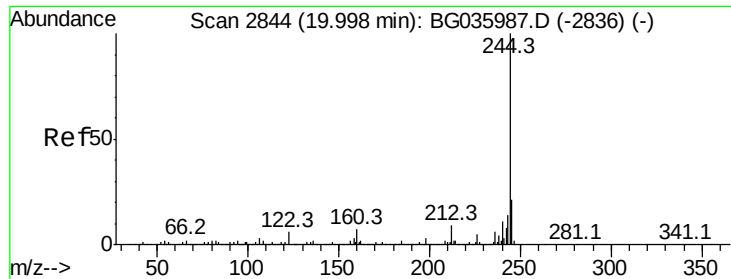


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.830 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

Instrument :

BNA_G

ClientSampleId :

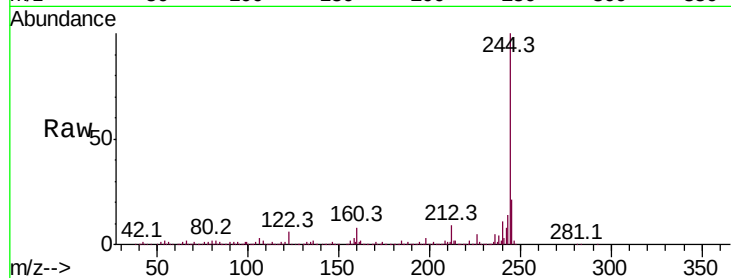
Tot Ion:244 Resp: 1190695

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

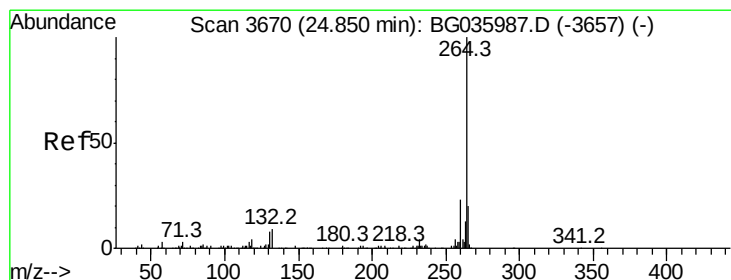
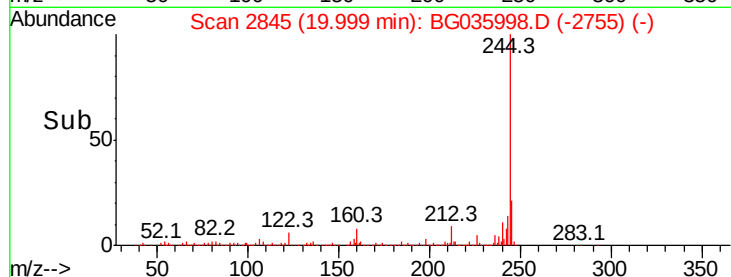
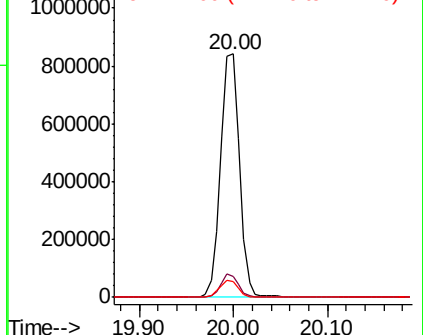
122 6.5 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BG035998.D

Acq: 31 Jul 2018 6:36

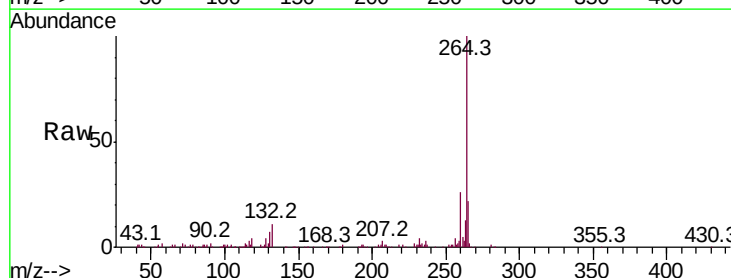
Tgt Ion:264 Resp: 270321

Ion Ratio Lower Upper

264 100

260 26.3 17.4 26.0#

265 21.7 17.7 26.5



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

