

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
 Data File : BG035992.D
 Acq On : 31 Jul 2018 2:42
 Operator : JU/SJ
 Sample : J4219-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 05:23:28 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

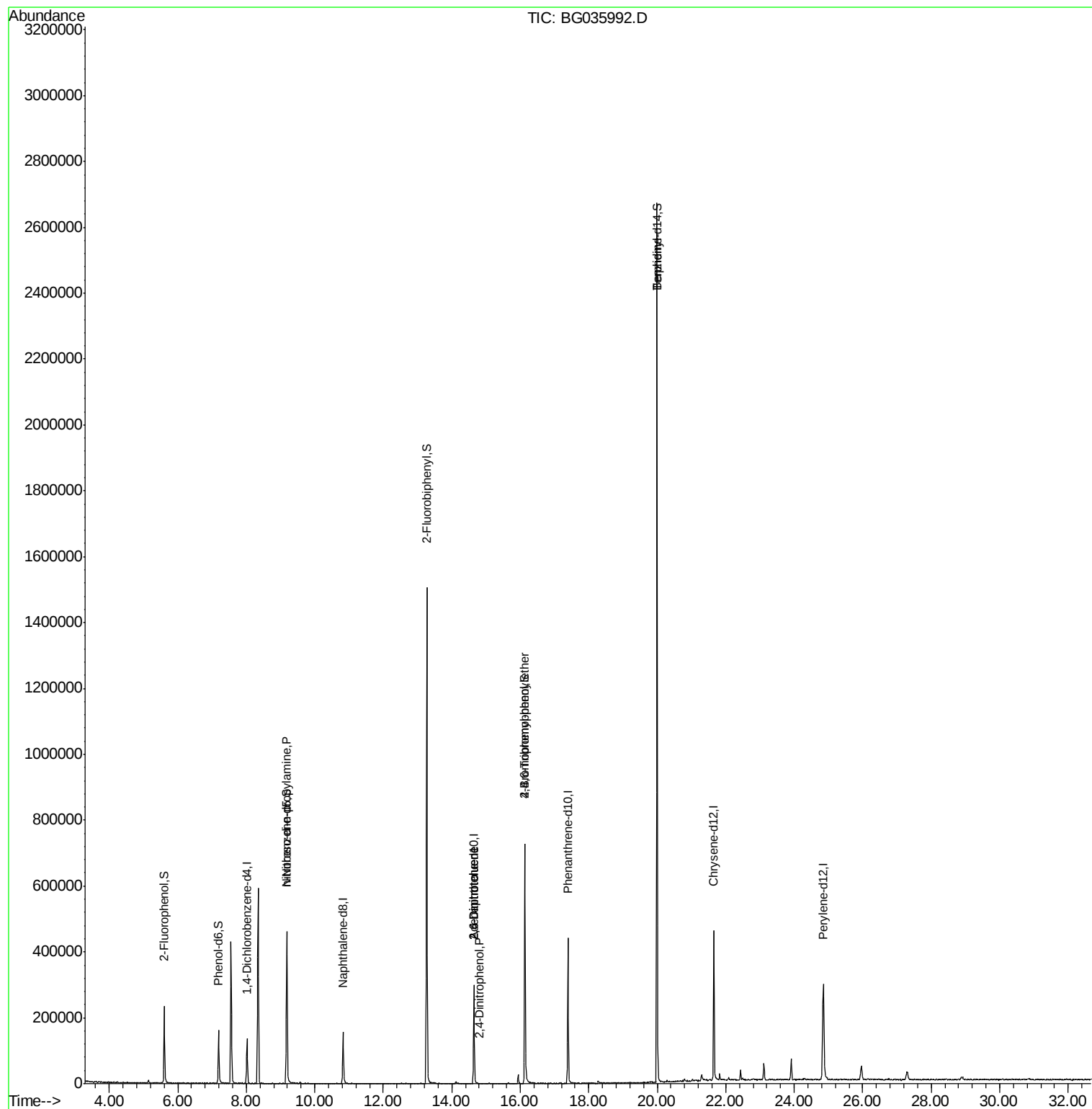
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38492	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	144207	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	110257	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	301994	20.00	ng	0.00
75) Chrysene-d12	21.65	240	313988	20.00	ng	0.00
86) Perylene-d12	24.85	264	285139	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	109813	47.36	ng	0.00
7) Phenol-d6	7.19	99	106374	30.75	ng	0.00
23) Nitrobenzene-d5	9.19	82	334227	96.82	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	147467	101.47	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	837293	101.74	ng	0.00
78) Terphenyl-d14	19.99	244	1307281	91.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	45895	15.756	ng	# 68
50) 2,6-Dinitrotoluene	14.65	165	15104	7.678	ng	# 18
53) 2,4-Dinitrophenol	14.80	184	54	6.631	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	15104	5.352	ng	# 16
66) 4-Bromophenyl-phenylether	16.13	248	11654	3.326	ng	# 1
76) Benzidine	19.99	184	22742	2.755	ng	# 83

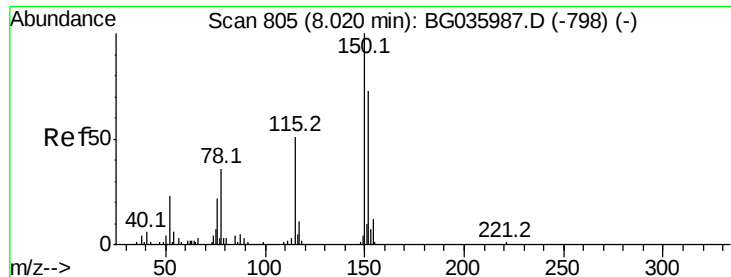
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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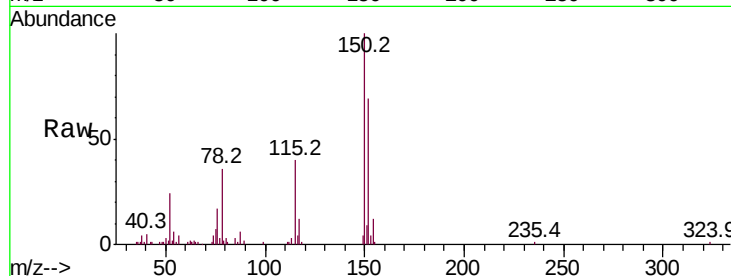


#1

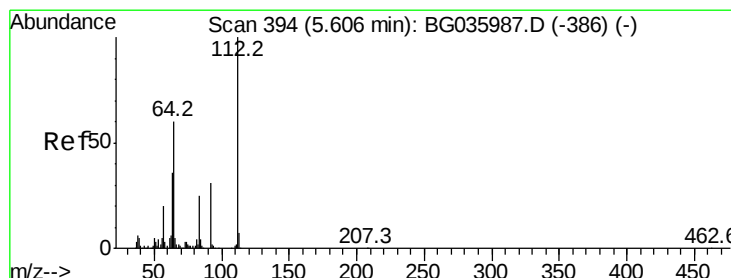
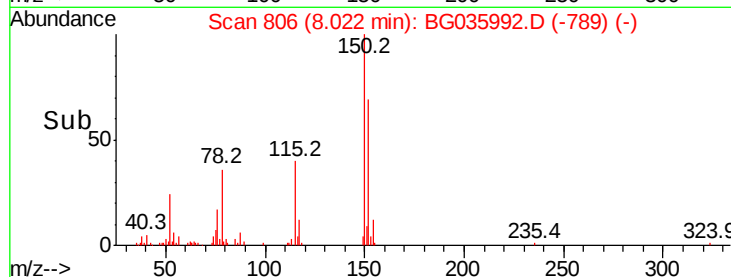
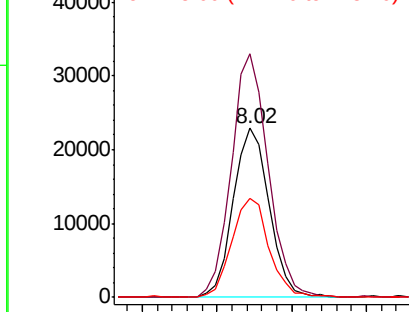
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035992.D
Acq: 31 Jul 2018 2:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38492
Ion Ratio Lower Upper
152 100
150 144.2 126.6 189.8
115 58.4 53.0 79.4



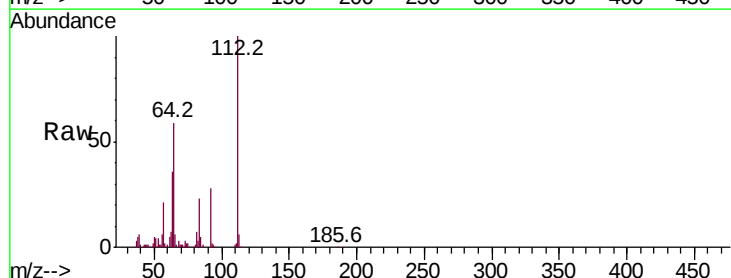
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



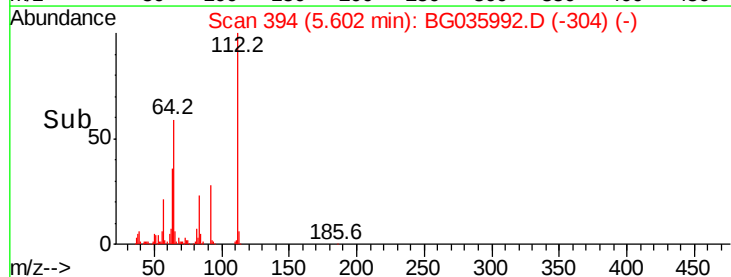
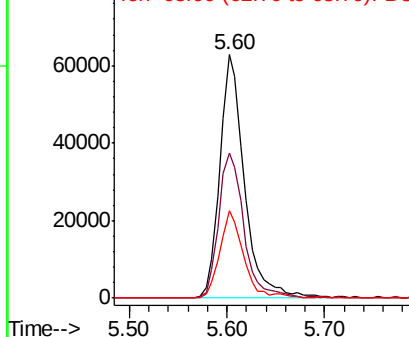
#5

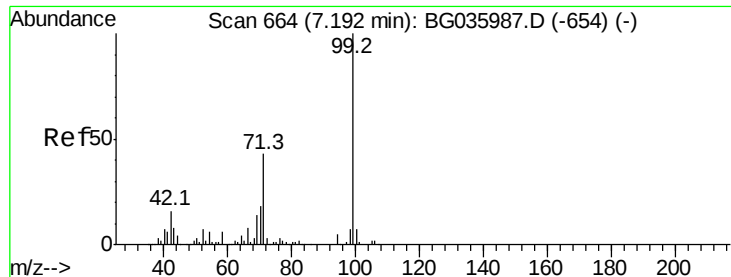
2-Fluorophenol
Concen: 47.364 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG035992.D
Acq: 31 Jul 2018 2:42

Tgt Ion:112 Resp: 109813
Ion Ratio Lower Upper
112 100
64 59.5 56.3 84.5
63 36.1 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: 30.752 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

Instrument :

BNA_G

ClientSampleId :

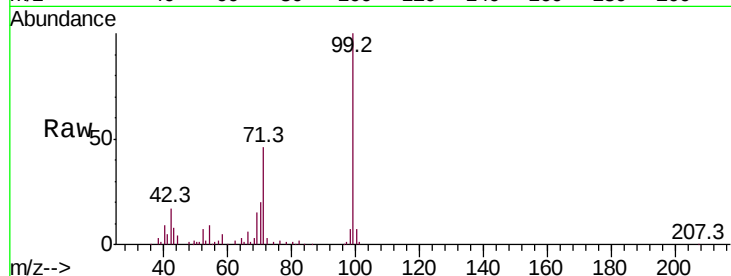
Tot Ion: 99 Resp: 106374

Ion Ratio Lower Upper

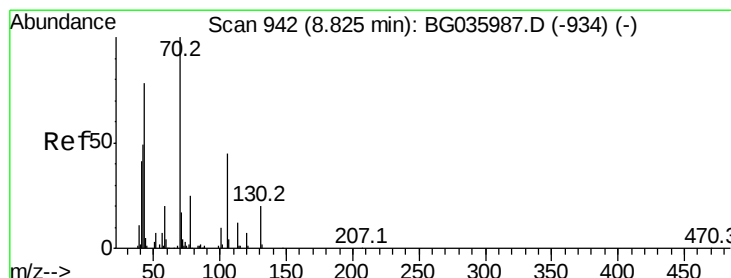
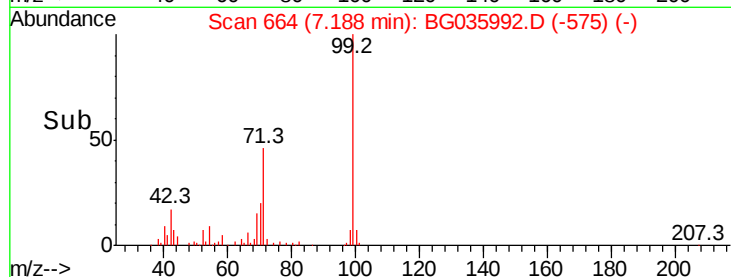
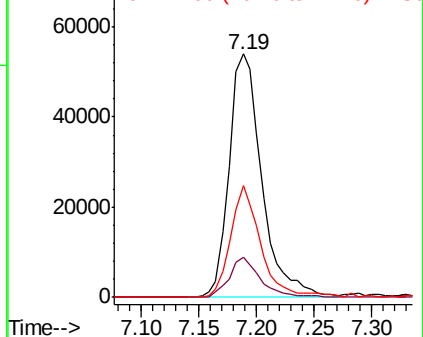
99 100

42 16.5 14.1 21.1

71 46.1 26.1 39.1#



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: 15.756 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

Tgt Ion: 70 Resp: 45895

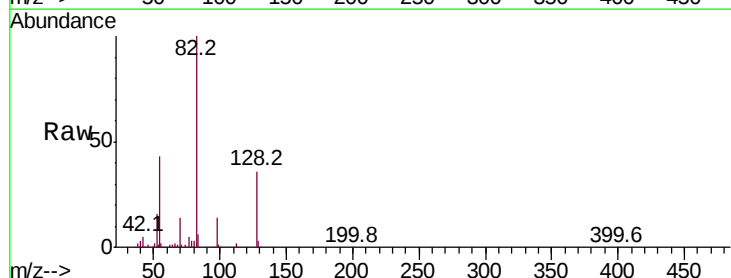
Ion Ratio Lower Upper

70 100

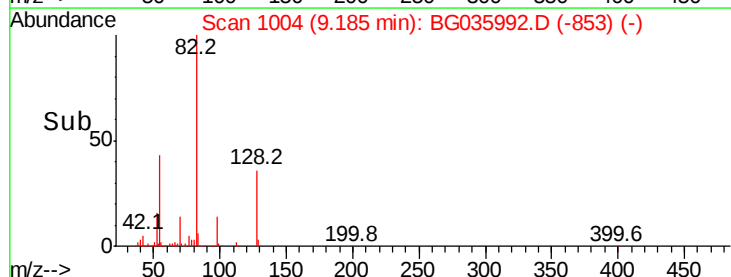
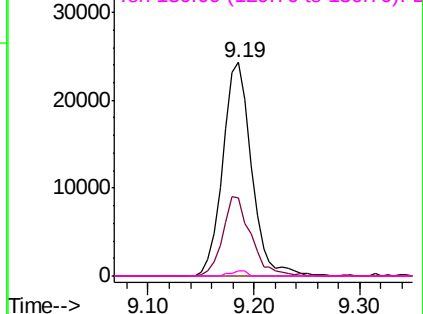
42 36.6 49.1 73.7#

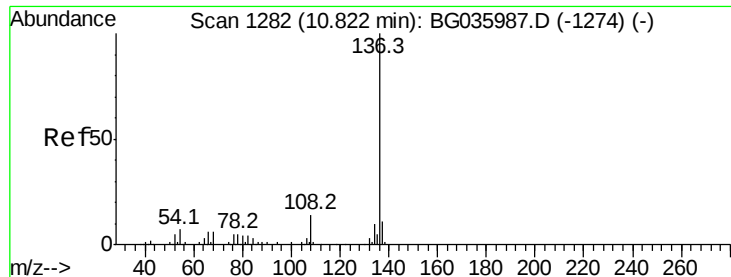
101 0.0 8.5 12.7#

130 2.1 13.4 20.0#



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

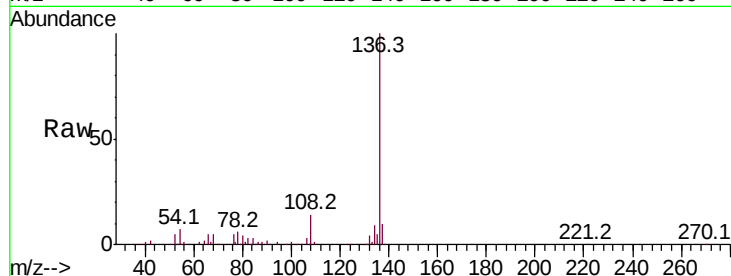




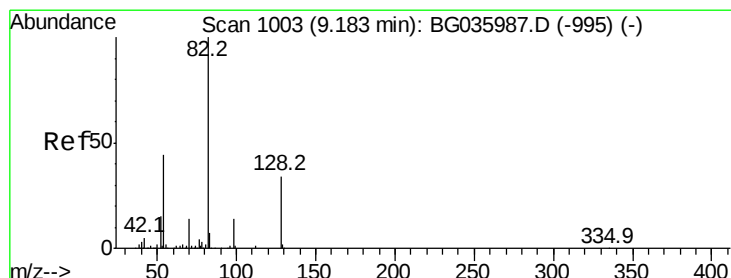
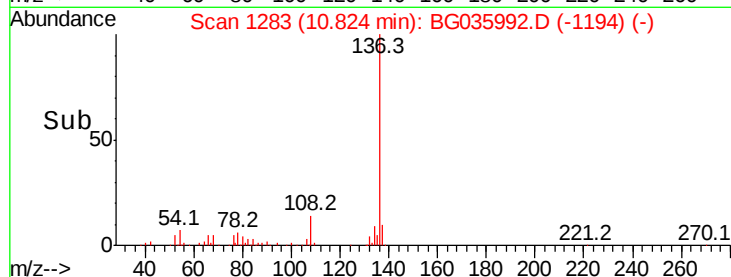
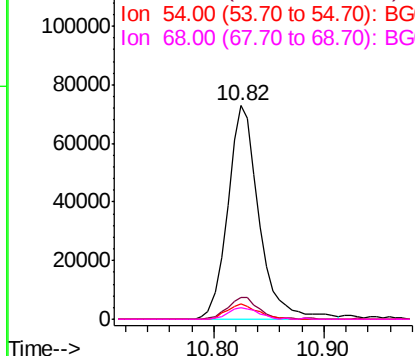
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035992.D
Acq: 31 Jul 2018 2:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	144207
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	7.4	10.3	15.5#
68	5.3	4.5	6.7

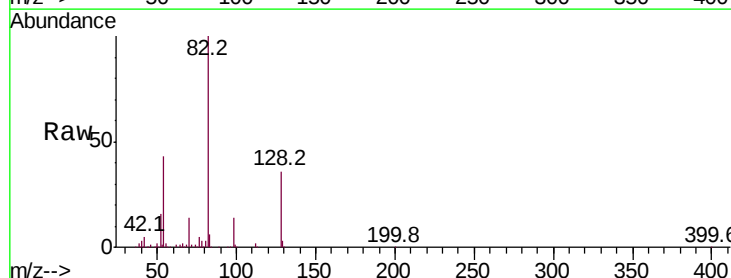


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

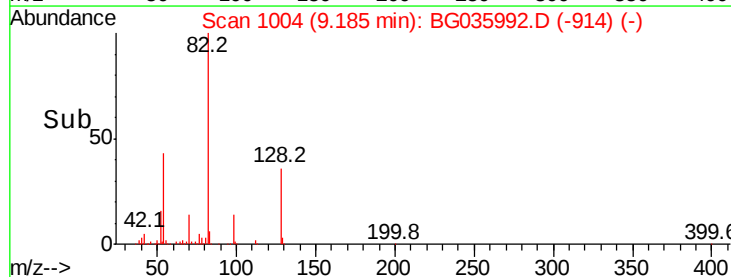
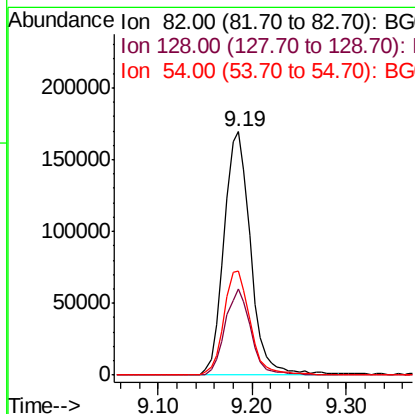


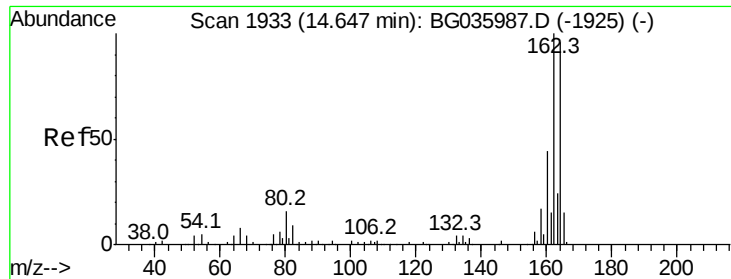
#23
Nitrobenzene-d5
Concen: 96.821 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035992.D
Acq: 31 Jul 2018 2:42

Tgt Ion:	82	Resp:	334227
Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.7	44.5
54	42.9	43.1	64.7#



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

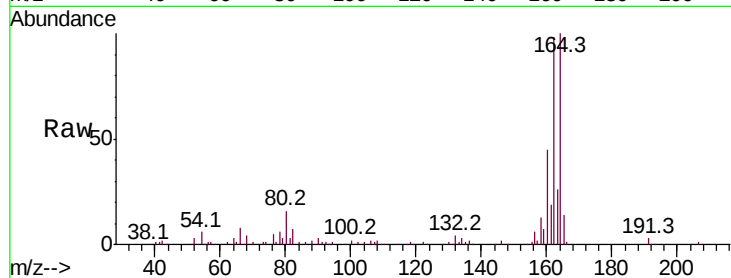




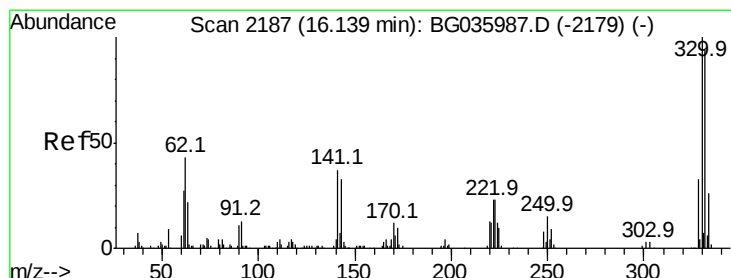
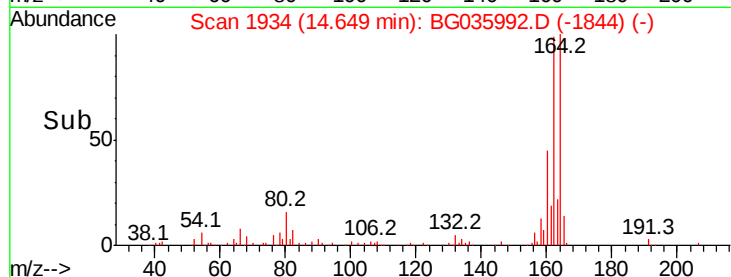
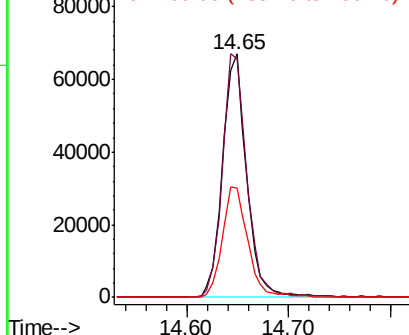
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.00 min
Lab File: BG035992.D
Acq: 31 Jul 2018 2:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 110257
Ion Ratio Lower Upper
164 100
162 98.2 78.8 118.2
160 45.1 35.4 53.0

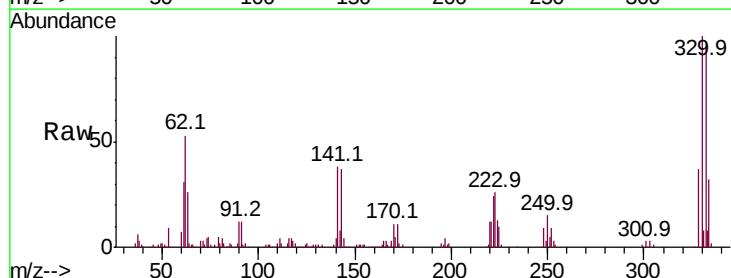


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

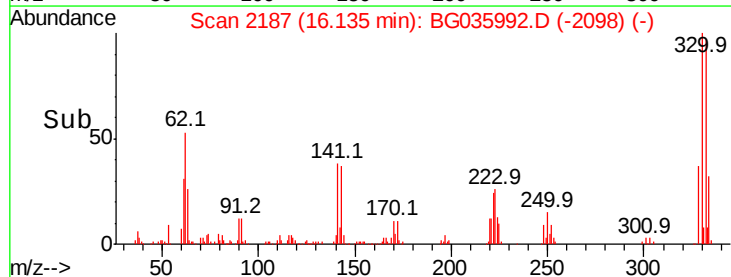
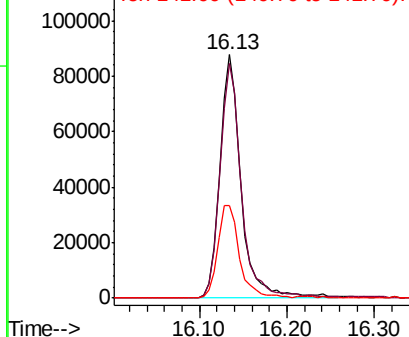


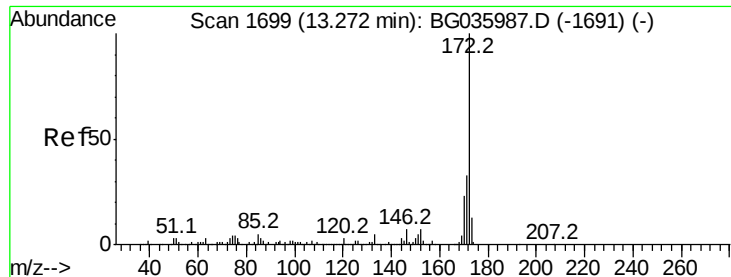
#41
2,4,6-Tribromophenol
Concen: 101.473 ng
RT: 16.13 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BG035992.D
Acq: 31 Jul 2018 2:42

Tgt Ion:330 Resp: 147467
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 39.2 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: 101.740 ng

RT: 13.27 min Scan# 1699

Delta R.T. -0.01 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

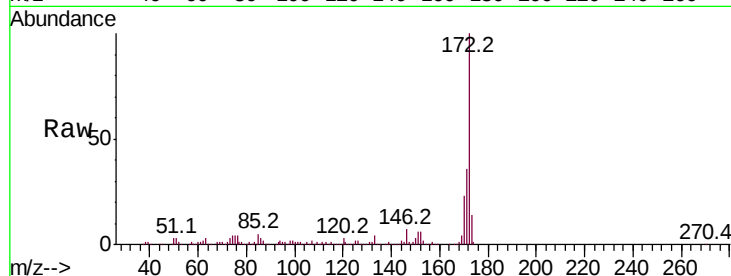
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 837293

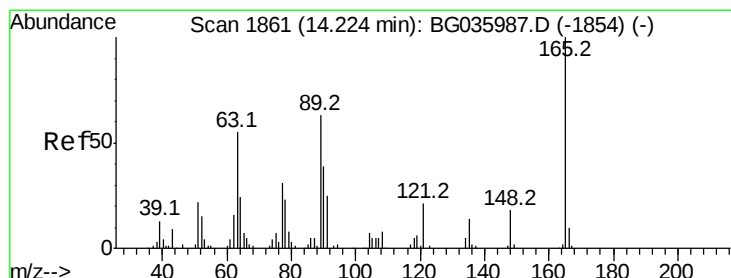
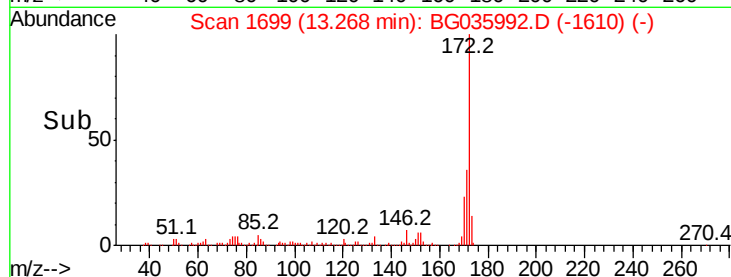
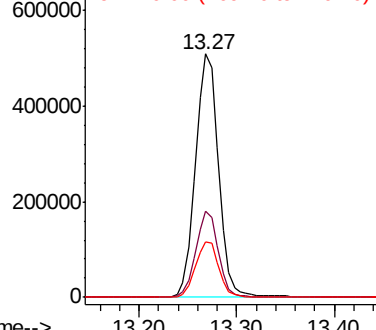
Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.0	45.0
170	22.8	19.5	29.3



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



#50

2,6-Dinitrotoluene

Concen: 7.678 ng

RT: 14.65 min Scan# 1934

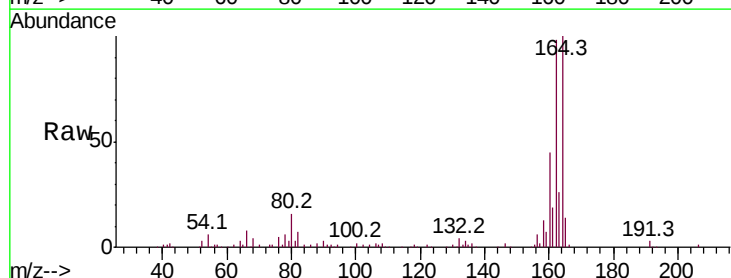
Delta R.T. 0.42 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

Tgt Ion:165 Resp: 15104

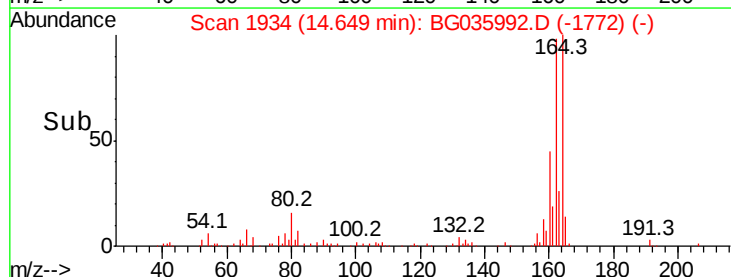
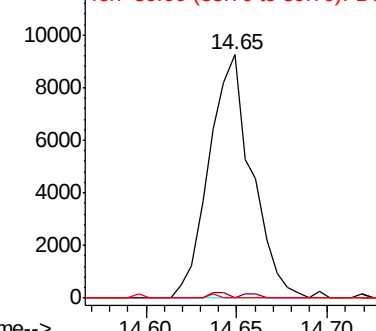
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

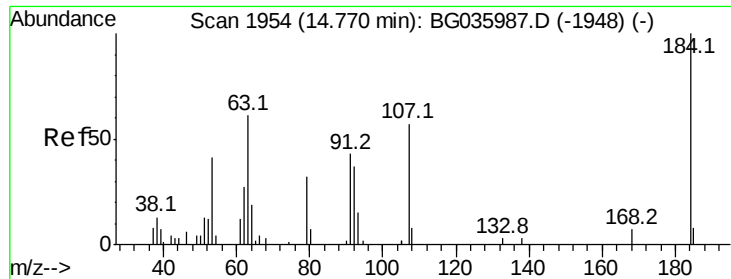


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#53

2,4-Dinitrophenol

Concen: 6.631 ng

RT: 14.80 min Scan# 1959

Delta R.T. 0.03 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

Instrument :

BNA_G

ClientSampled :

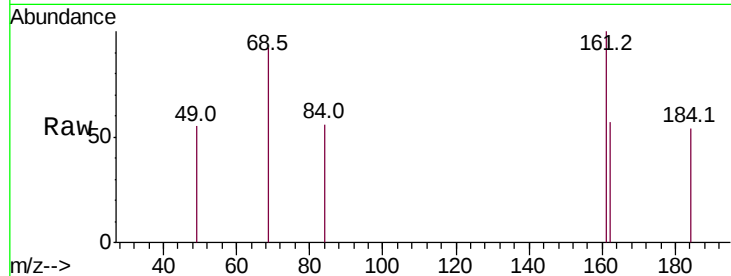
Tot Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

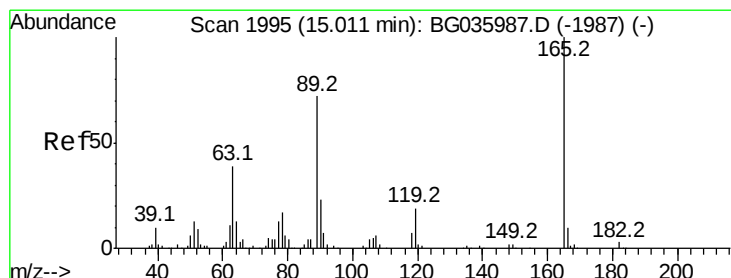
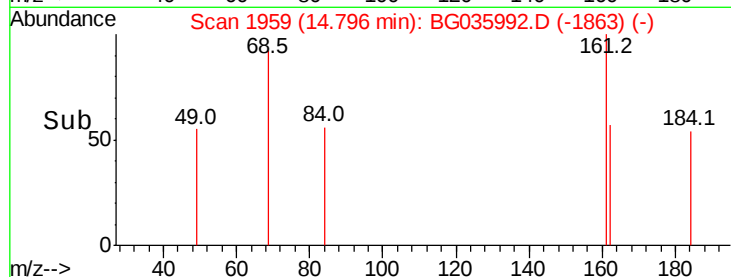
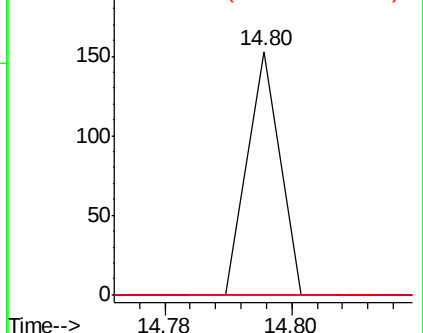
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#56

2,4-Dinitrotoluene

Concen: 5.352 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.37 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

Tgt Ion:165 Resp: 15104

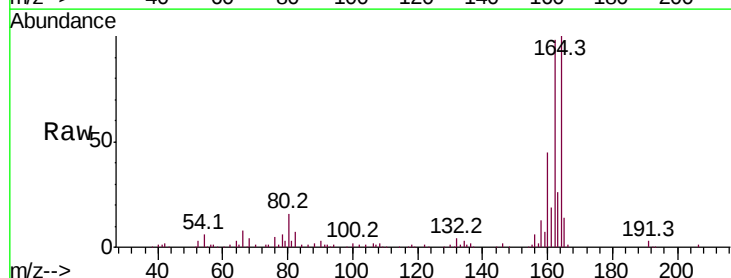
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

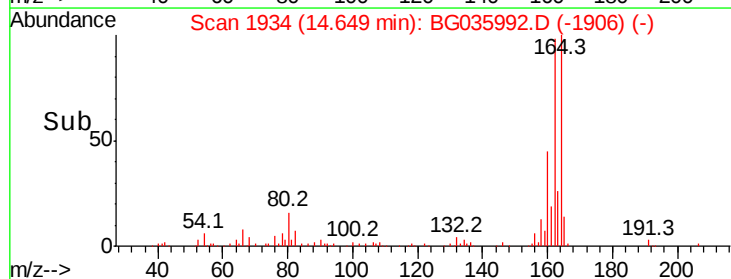
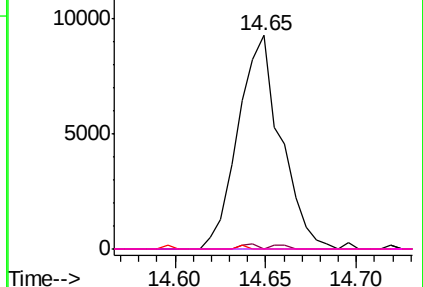


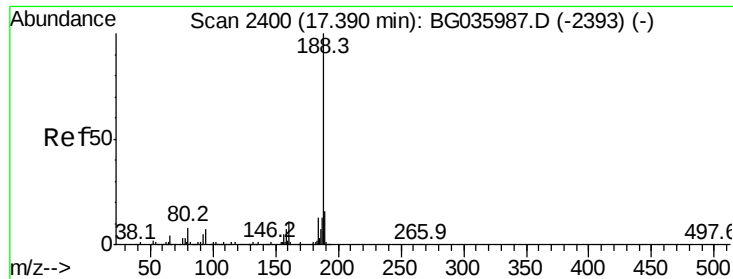
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

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: BG035992.D

Acq: 31 Jul 2018 2:42

Instrument :

BNA_G

ClientSampled :

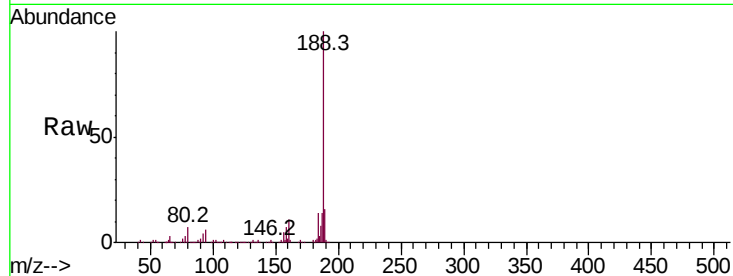
Tot Ion:188 Resp: 301994

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

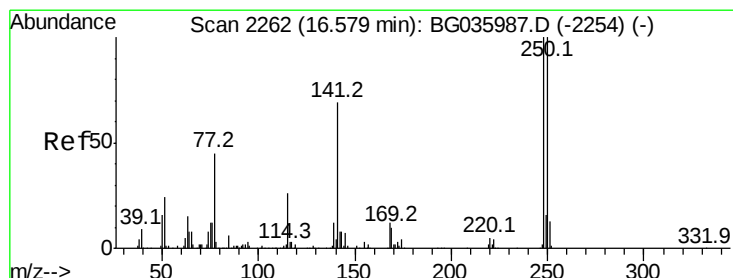
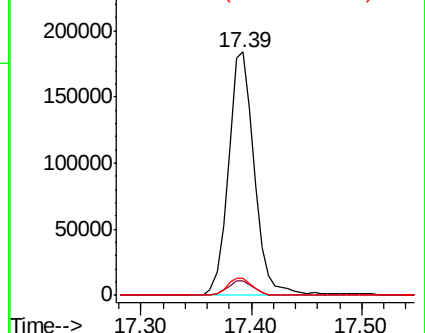
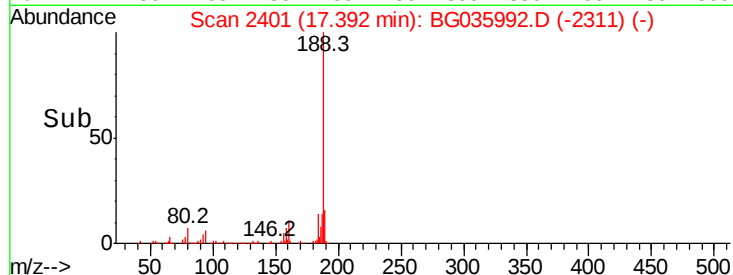
80 6.8 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 3.326 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.45 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

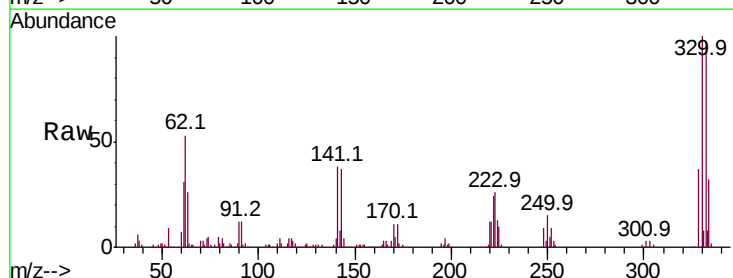
Tgt Ion:248 Resp: 11654

Ion Ratio Lower Upper

248 100

250 174.7 77.1 115.7#

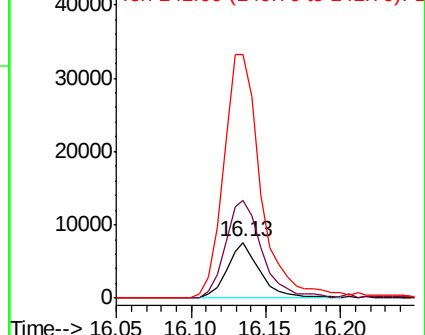
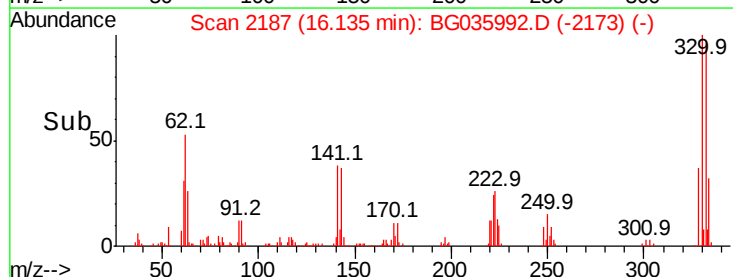
141 434.7 50.8 76.2#

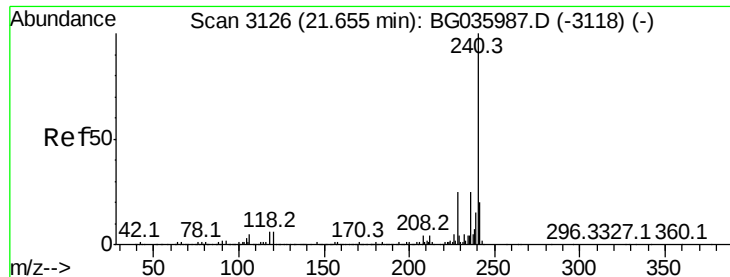


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

Instrument :

BNA_G

ClientSampleId :

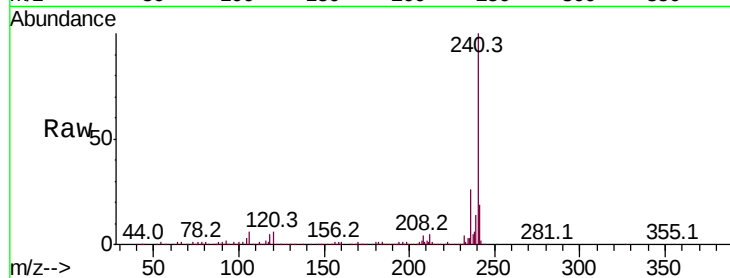
Tot Ion:240 Resp: 313988

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

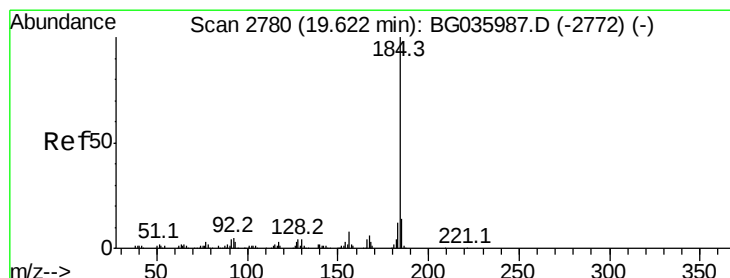
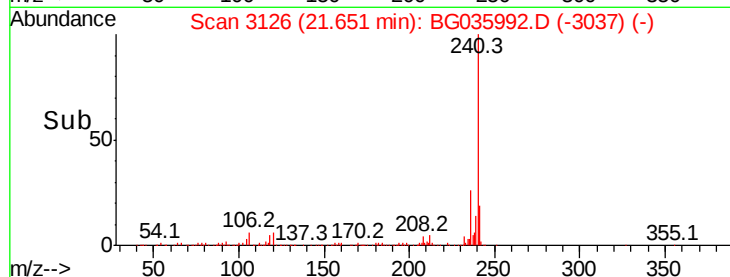
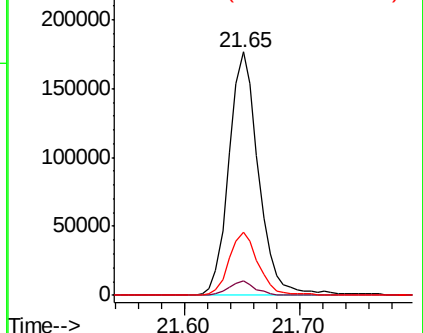
236 26.0 20.9 31.3



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: 2.755 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

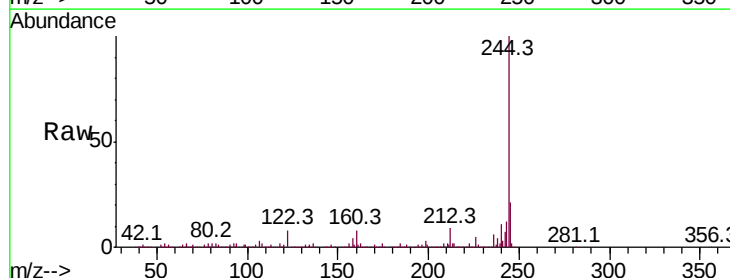
Tgt Ion:184 Resp: 22742

Ion Ratio Lower Upper

184 100

185 21.7 11.1 16.7#

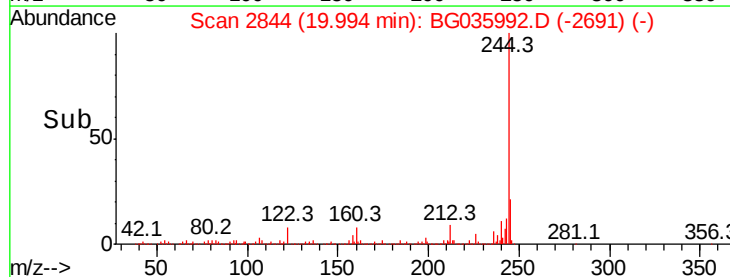
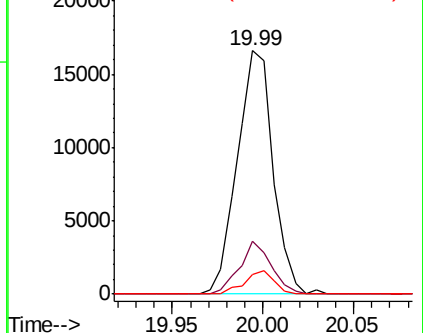
183 7.8 10.6 16.0#

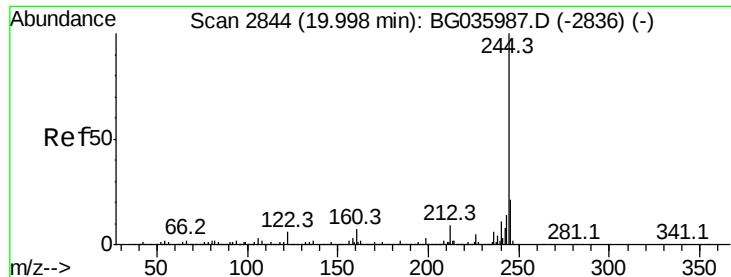


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.775 ng

RT: 19.99 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG035992.D

Acq: 31 Jul 2018 2:42

Instrument :

BNA_G

ClientSampleId :

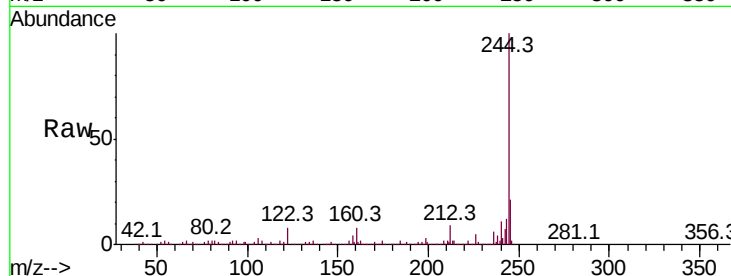
Tot Ion:244 Resp: 1307281

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

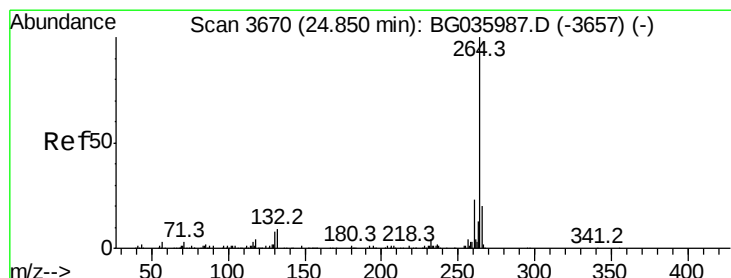
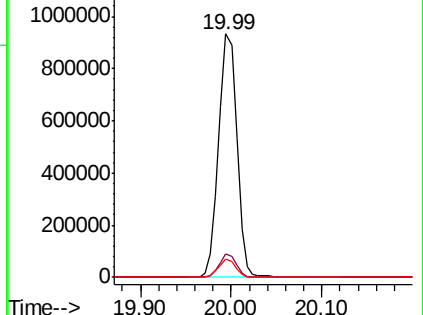
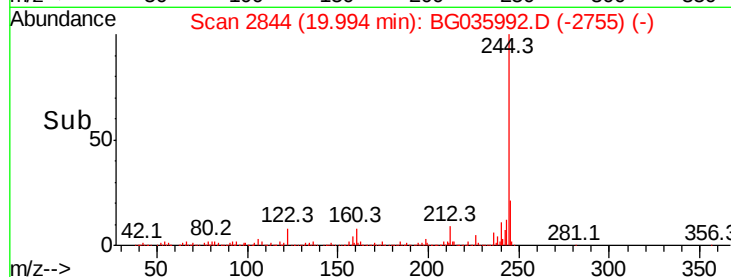
122 7.6 7.0 10.4



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: BG035992.D

Acq: 31 Jul 2018 2:42

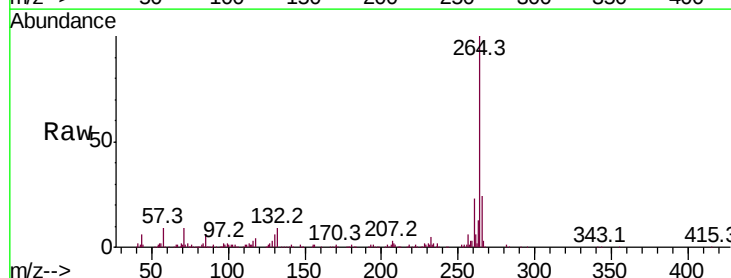
Tgt Ion:264 Resp: 285139

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 23.7 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

