

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
 Data File : BG035994.D
 Acq On : 31 Jul 2018 4:00
 Operator : JU/SJ
 Sample : J4219-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 05:23:48 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

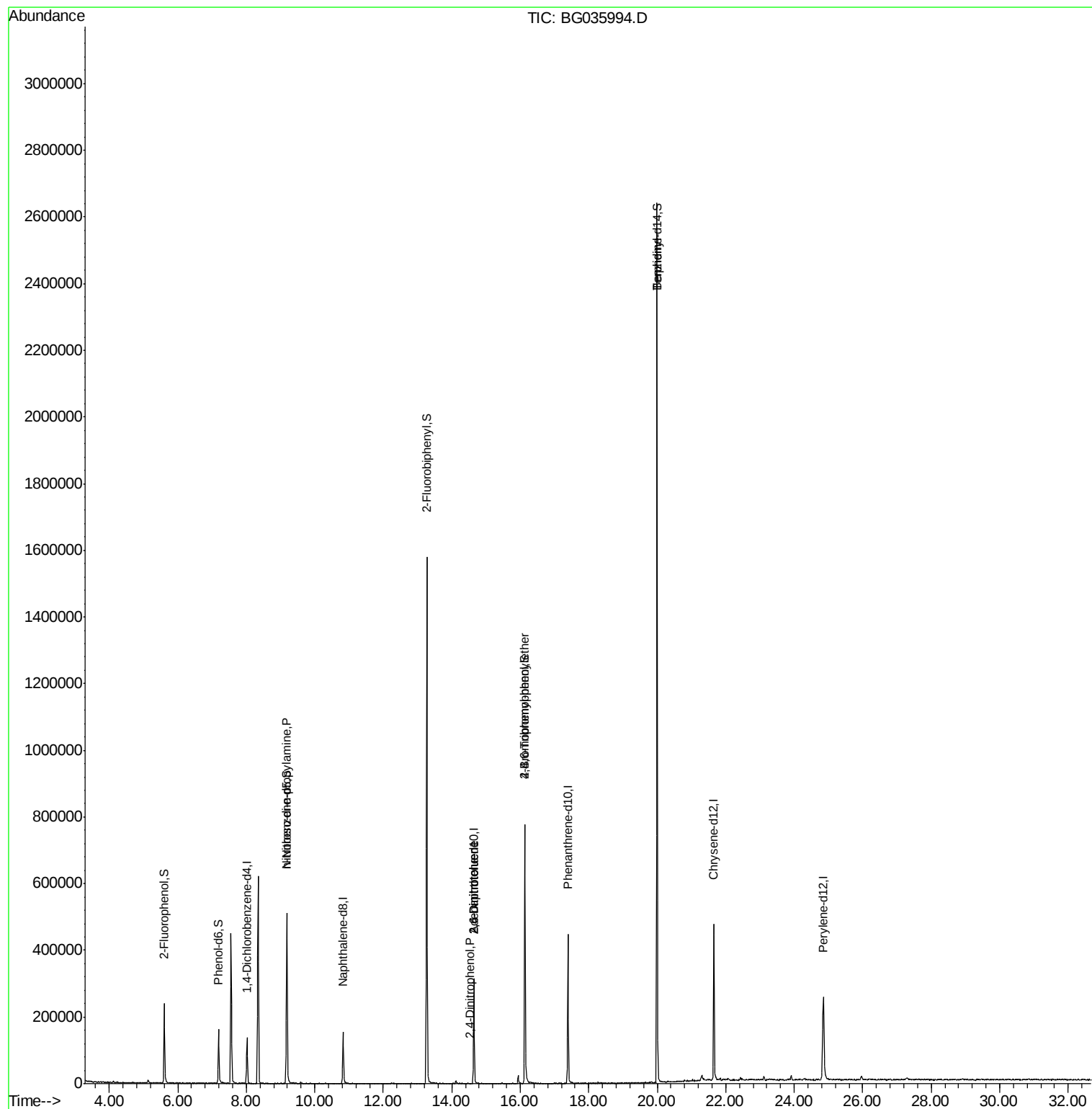
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	40258	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	147068	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	111919	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	307825	20.00	ng	0.00
75) Chrysene-d12	21.65	240	316433	20.00	ng	0.00
86) Perylene-d12	24.85	264	299170	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	114828	47.35	ng	0.00
7) Phenol-d6	7.19	99	110030	30.41	ng	0.00
23) Nitrobenzene-d5	9.19	82	349502	99.28	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	151610	102.77	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	857299	102.62	ng	0.00
78) Terphenyl-d14	20.00	244	1320023	91.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	48612	15.957	ng	# 69
50) 2,6-Dinitrotoluene	14.64	165	15449	7.737	ng	# 20
53) 2,4-Dinitrophenol	14.53	184	66	6.641	ng	# 1
56) 2,4-Dinitrotoluene	14.64	165	15449	5.393	ng	# 18
66) 4-Bromophenyl-phenylether	16.13	248	12806	3.586	ng	# 1
76) Benzidine	20.00	184	23189	2.787	ng	# 92

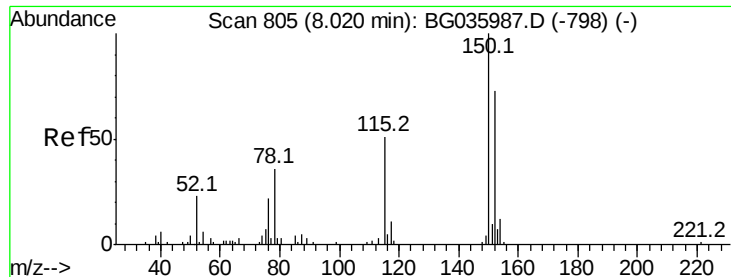
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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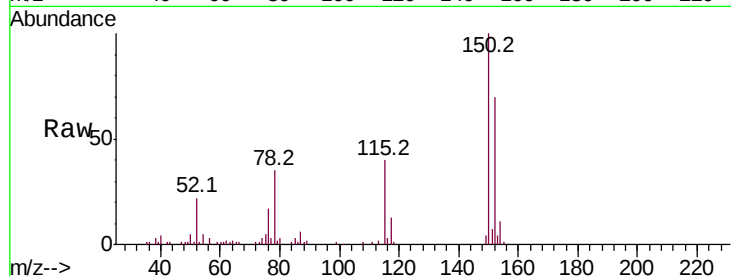


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035994.D
Acq: 31 Jul 2018 4:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.4	126.6	189.8
115	57.3	53.0	79.4

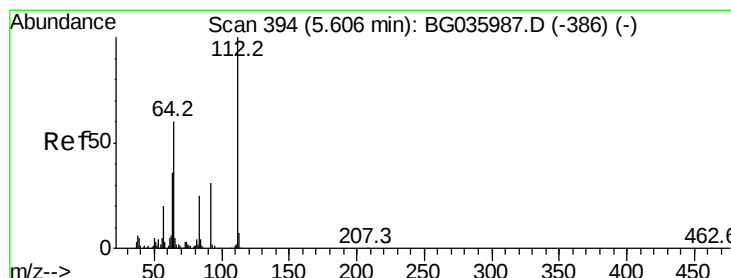
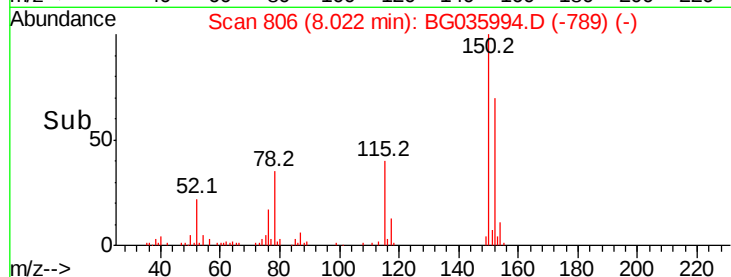
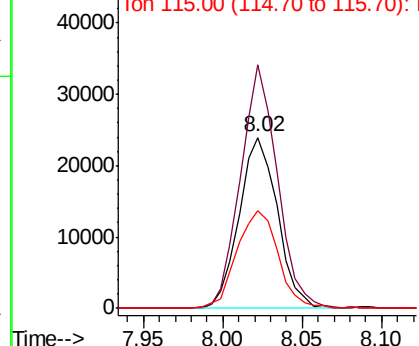


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

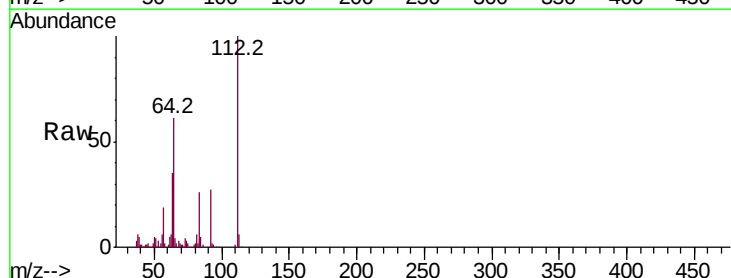
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.355 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG035994.D
Acq: 31 Jul 2018 4:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	56.3	84.5
63	35.4	30.1	45.1

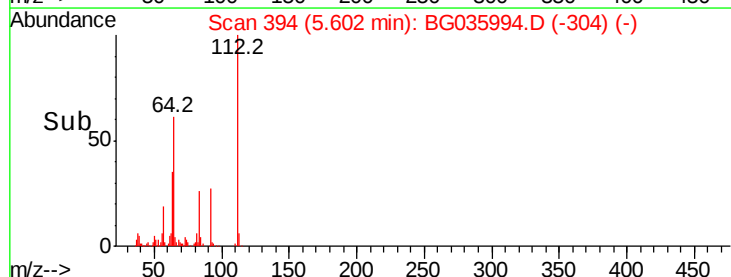
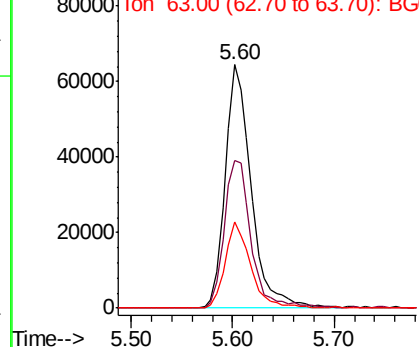


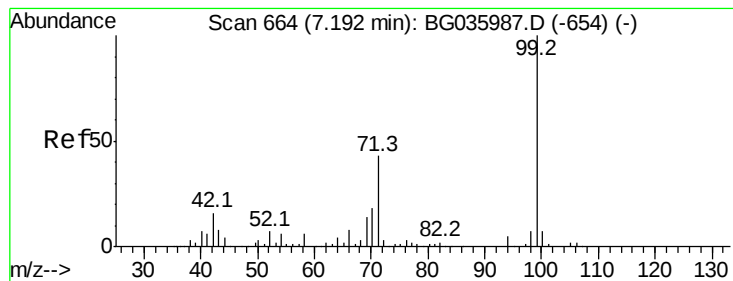
Abundance

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: 30.413 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG035994.D

Acq: 31 Jul 2018 4:00

Instrument :

BNA_G

ClientSampleId :

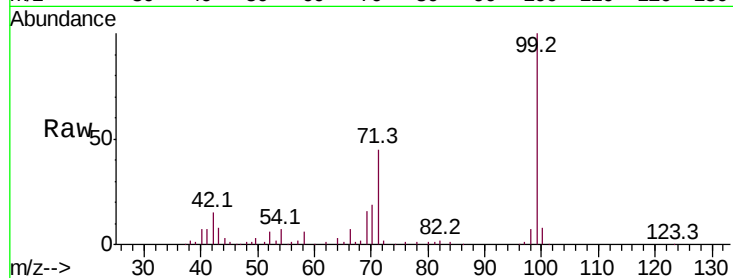
Tot Ion: 99 Resp: 110030

Ion Ratio Lower Upper

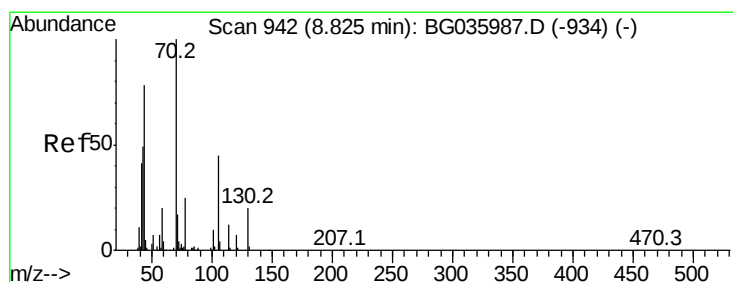
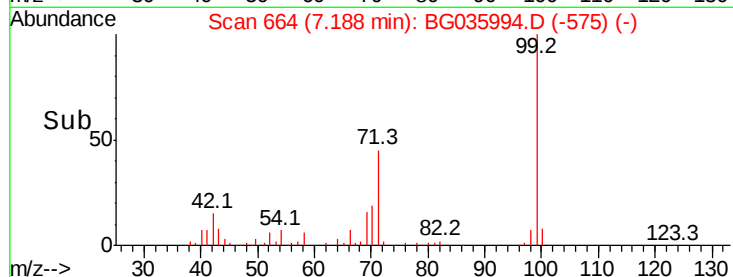
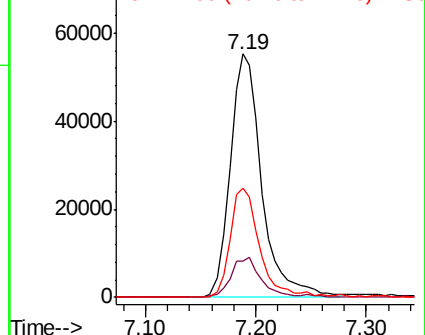
99 100

42 14.7 14.1 21.1

71 44.8 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: 15.957 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035994.D

Acq: 31 Jul 2018 4:00

Tgt Ion: 70 Resp: 48612

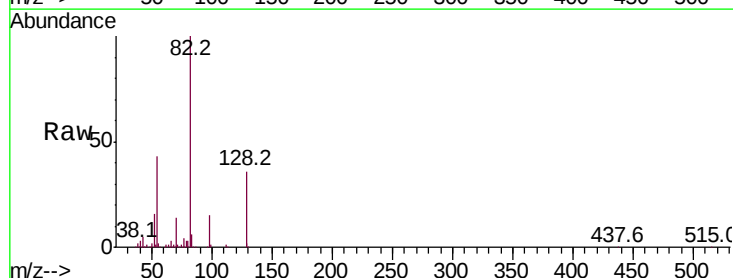
Ion Ratio Lower Upper

70 100

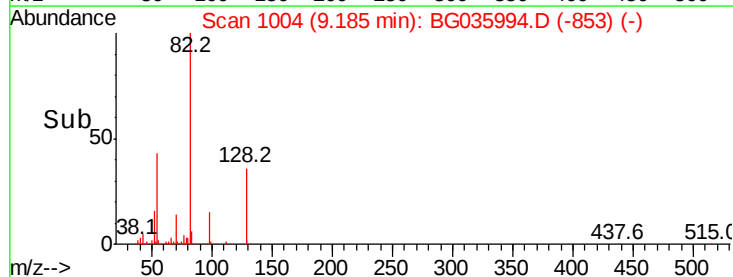
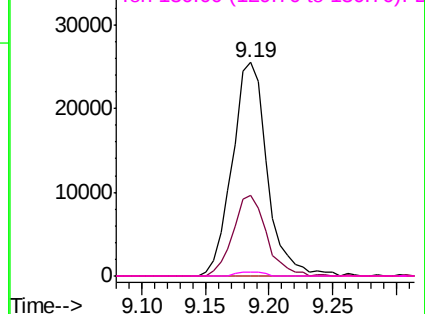
42 37.7 49.1 73.7#

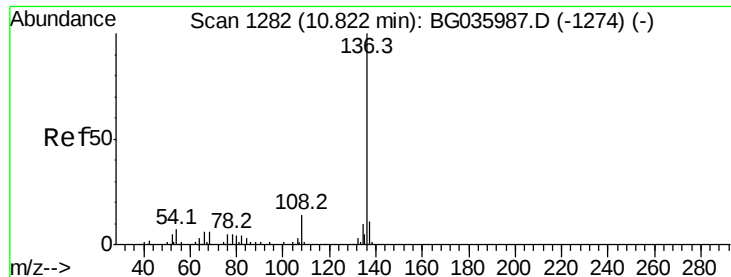
101 0.0 8.5 12.7#

130 1.7 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

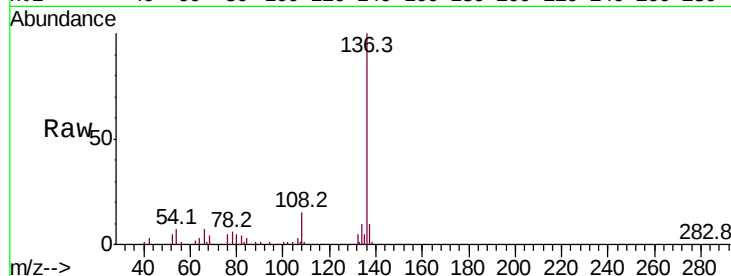




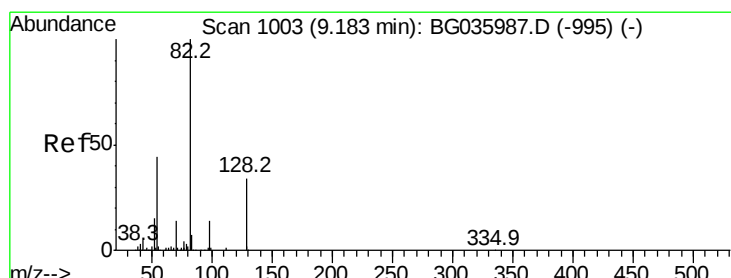
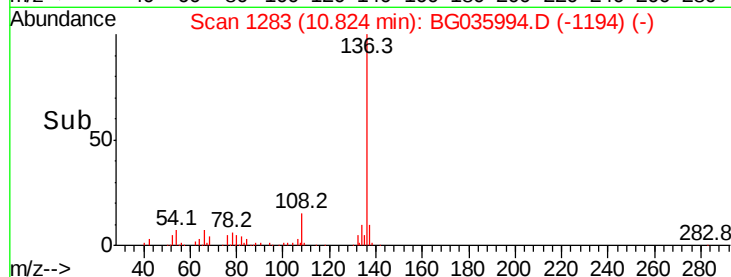
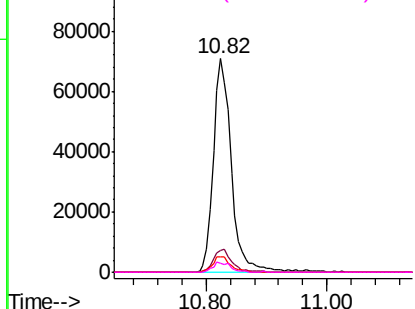
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG035994.D
Acq: 31 Jul 2018 4:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	147068
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.5	10.3	15.5#
68	4.5	4.5	6.7

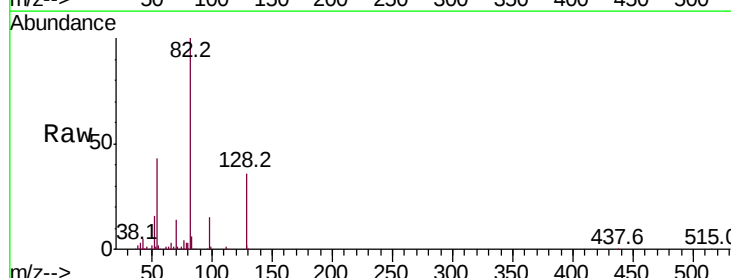


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

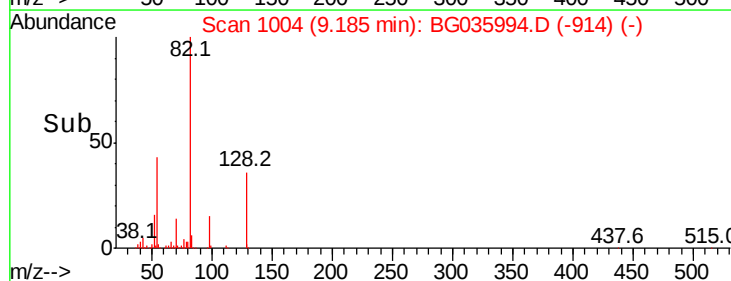
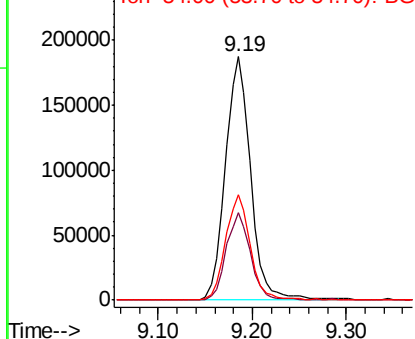


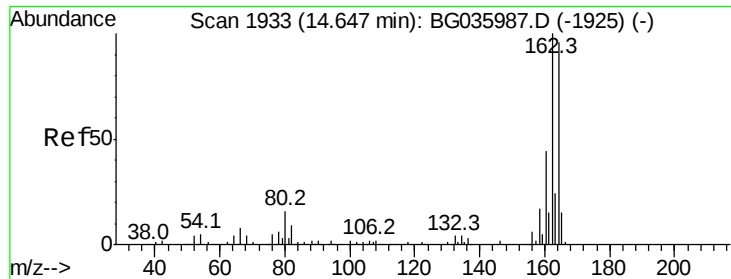
#23
Nitrobenzene-d5
Concen: 99.276 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035994.D
Acq: 31 Jul 2018 4:00

Tgt Ion:	82	Resp:	349502
Ion	Ratio	Lower	Upper
82	100		
128	36.1	29.7	44.5
54	43.4	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

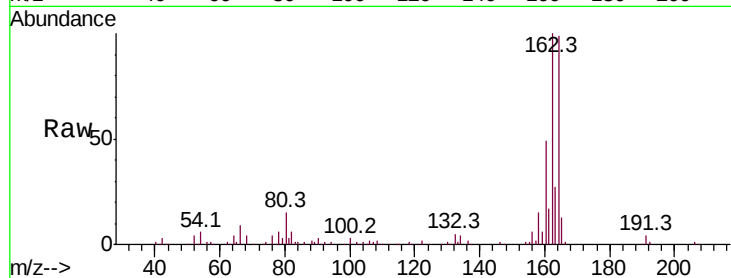




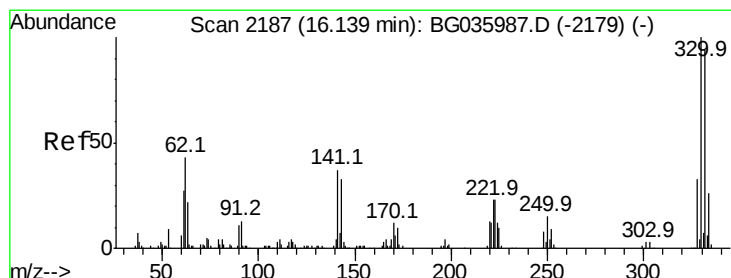
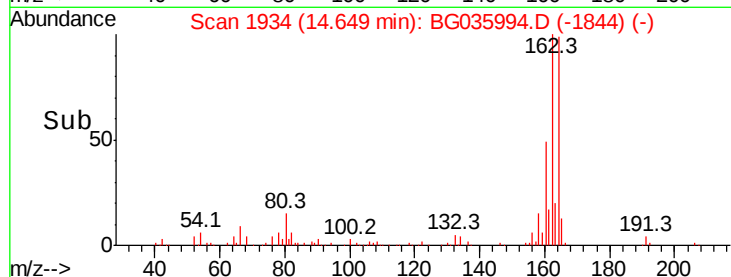
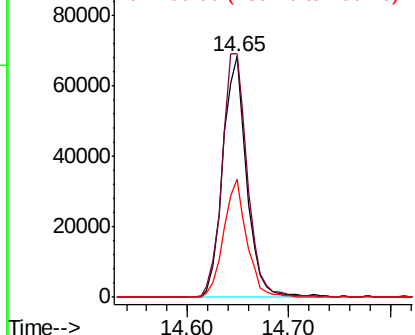
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.00 min
 Lab File: BG035994.D
 Acq: 31 Jul 2018 4:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 111919
 Ion Ratio Lower Upper
 164 100
 162 100.9 78.8 118.2
 160 49.1 35.4 53.0

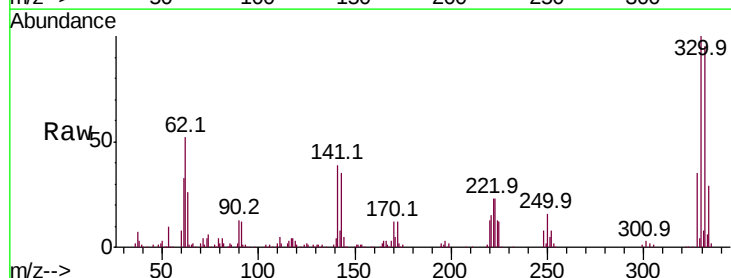


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

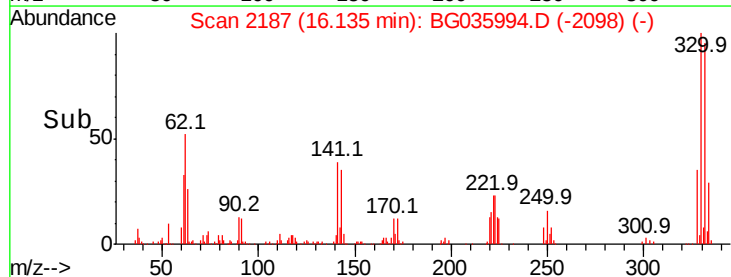
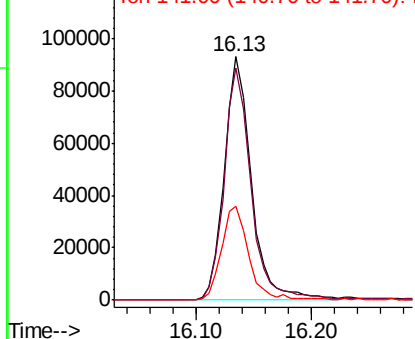


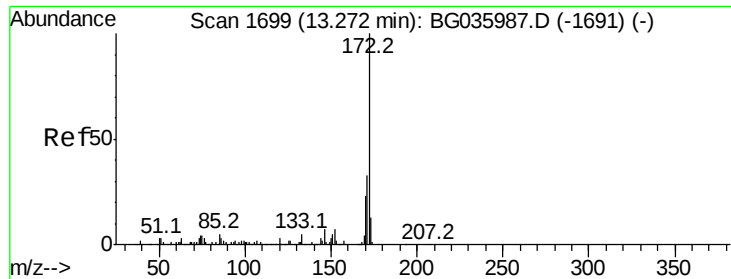
#41
 2,4,6-Tribromophenol
 Concen: 102.775 ng
 RT: 16.13 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BG035994.D
 Acq: 31 Jul 2018 4:00

Tgt Ion:330 Resp: 151610
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 39.0 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

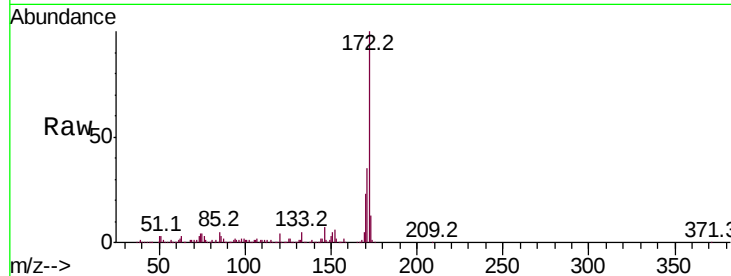




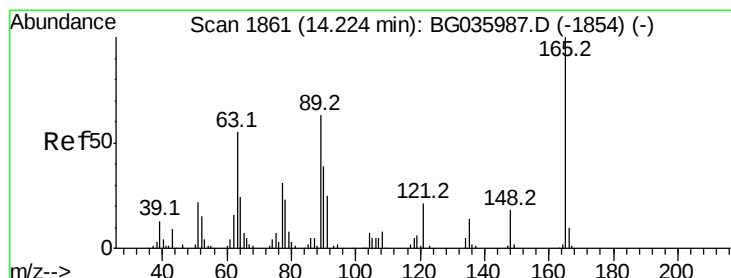
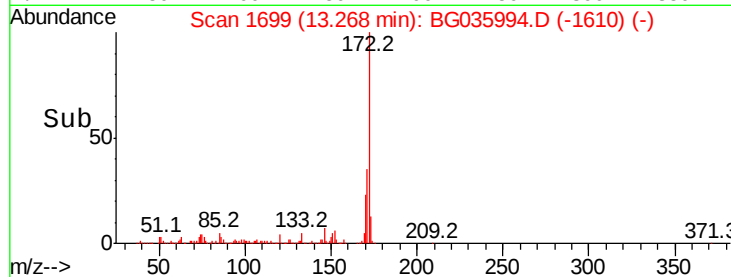
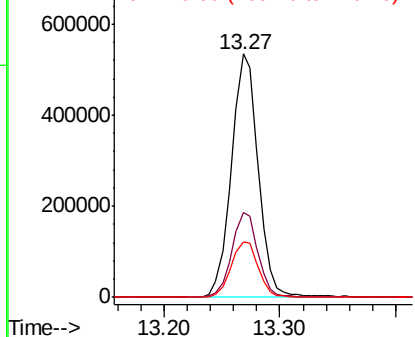
#44
2-Fluorobiphenyl
Concen: 102.624 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.01 min
Lab File: BG035994.D
Acq: 31 Jul 2018 4:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.0	45.0
170	22.7	19.5	29.3

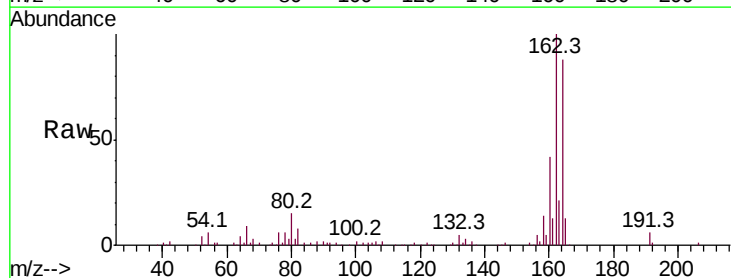


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

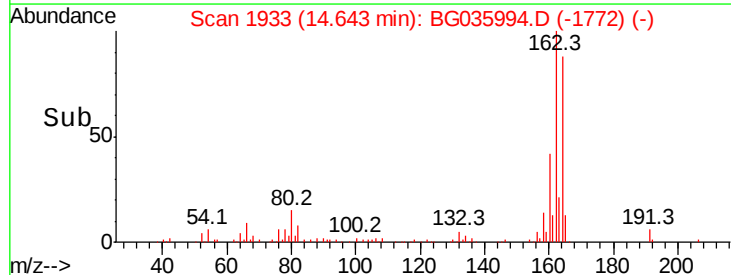
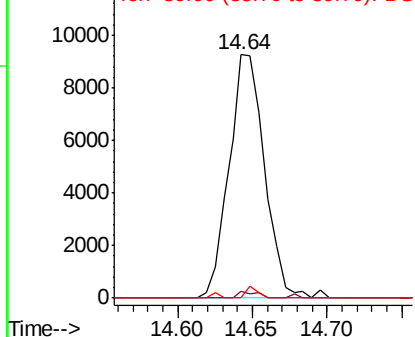


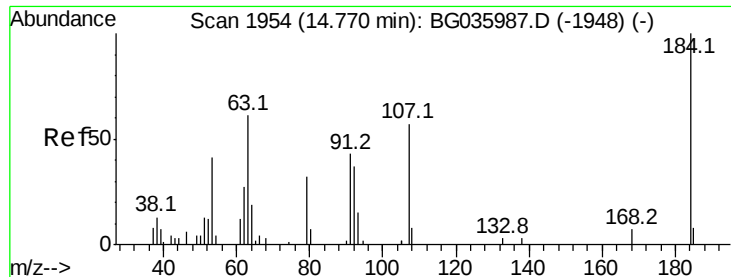
#50
2,6-Dinitrotoluene
Concen: 7.737 ng
RT: 14.64 min Scan# 1933
Delta R.T. 0.41 min
Lab File: BG035994.D
Acq: 31 Jul 2018 4:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	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): BG
Ion 89.00 (88.70 to 89.70): BG





#53

2,4-Dinitrophenol

Concen: 6.641 ng

RT: 14.53 min Scan# 1913

Delta R.T. -0.24 min

Lab File: BG035994.D

Acq: 31 Jul 2018 4:00

Instrument :

BNA_G

ClientSampleId :

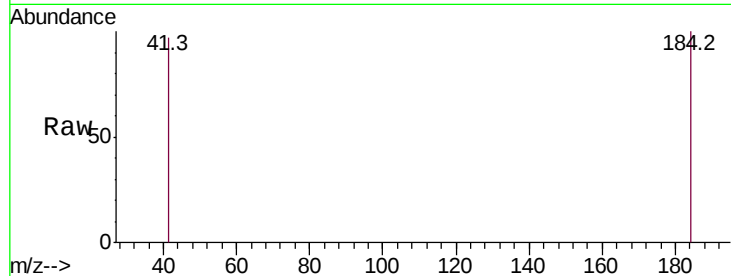
Tot Ion:184 Resp: 66

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

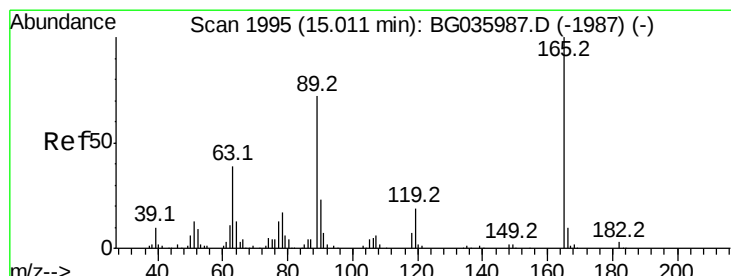
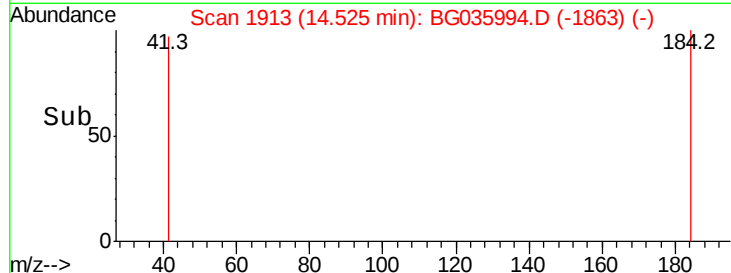
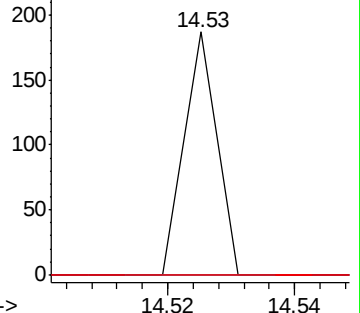
154 0.0 101.8 152.8#



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: 5.393 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.37 min

Lab File: BG035994.D

Acq: 31 Jul 2018 4:00

Tgt Ion:165 Resp: 15449

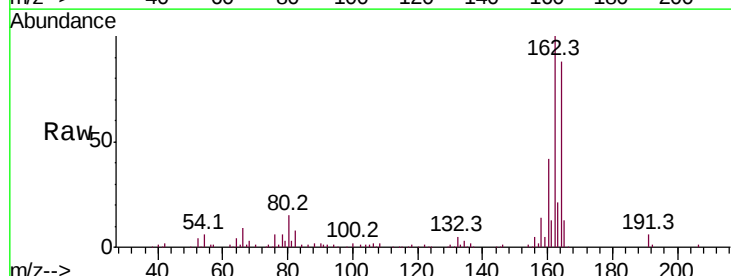
Ion Ratio Lower Upper

165 100

63 2.9 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

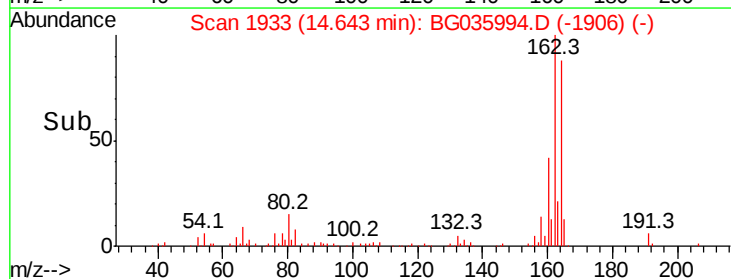
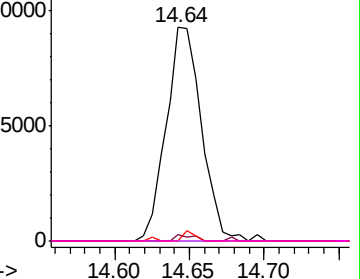


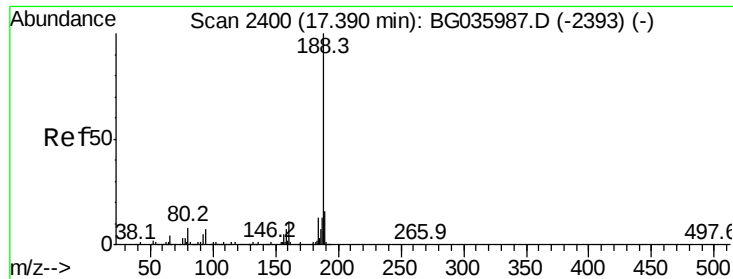
Abundance Ion 165.00 (164.70 to 165.70): E

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

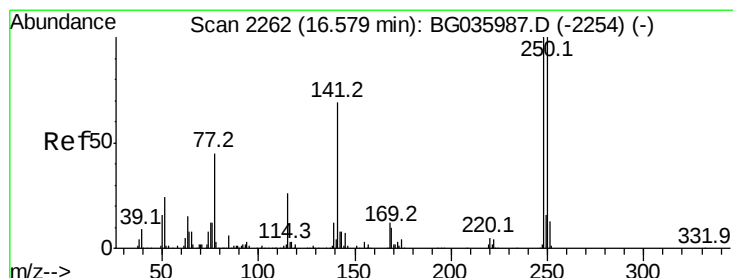
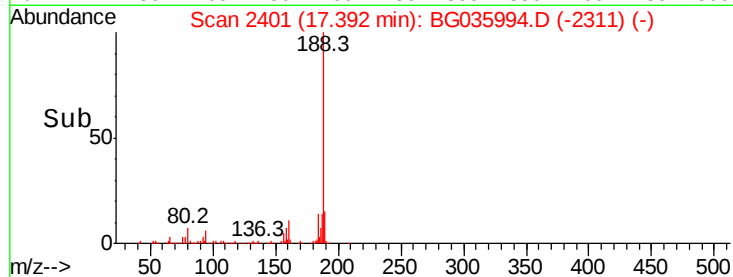
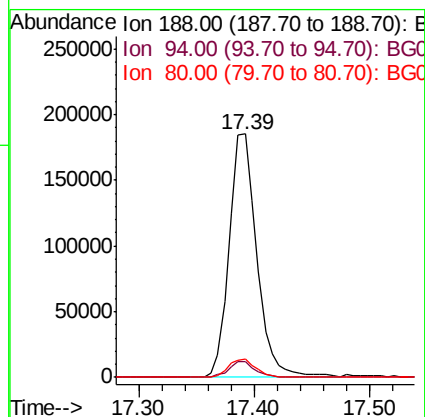
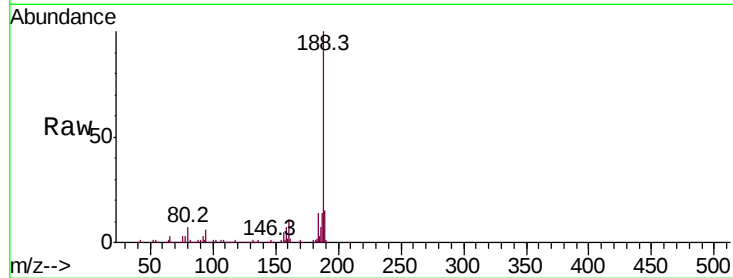




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2401
 Delta R.T. -0.00 min
 Lab File: BG035994.D
 Acq: 31 Jul 2018 4:00

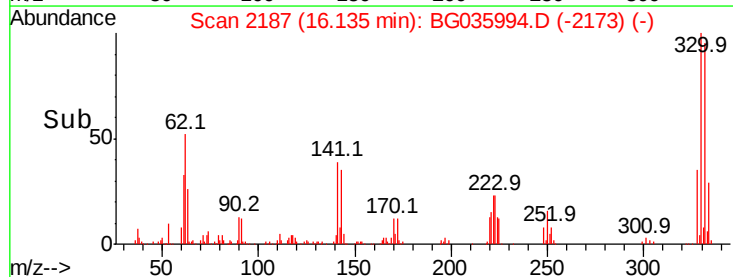
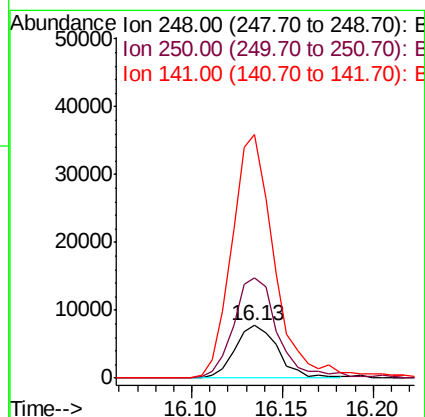
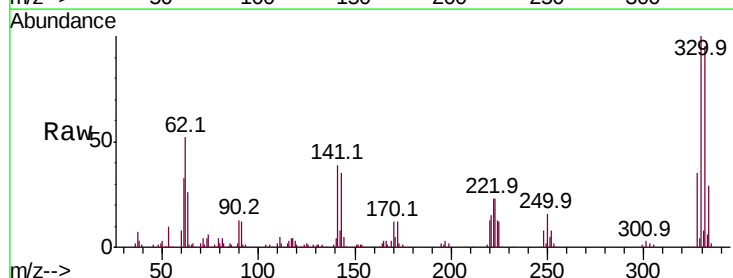
Instrument :
 BNA_G
 ClientSampled :

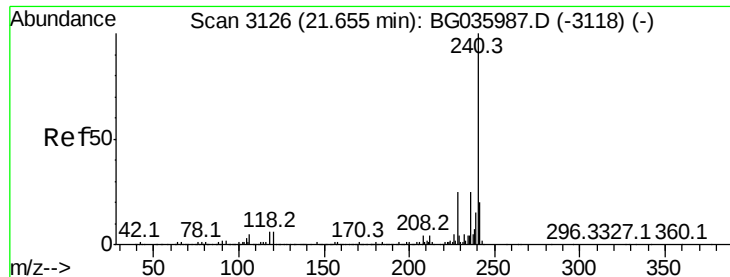
Tot Ion:188 Resp: 307825
 Ion Ratio Lower Upper
 188 100
 94 6.3 6.9 10.3#
 80 7.4 7.7 11.5#



#66
 4-Bromophenyl-phenylether
 Concen: 3.586 ng
 RT: 16.13 min Scan# 2187
 Delta R.T. -0.45 min
 Lab File: BG035994.D
 Acq: 31 Jul 2018 4:00

Tgt Ion:248 Resp: 12806
 Ion Ratio Lower Upper
 248 100
 250 190.3 77.1 115.7#
 141 461.5 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: BG035994.D

Acq: 31 Jul 2018 4:00

Instrument :

BNA_G

ClientSampleId :

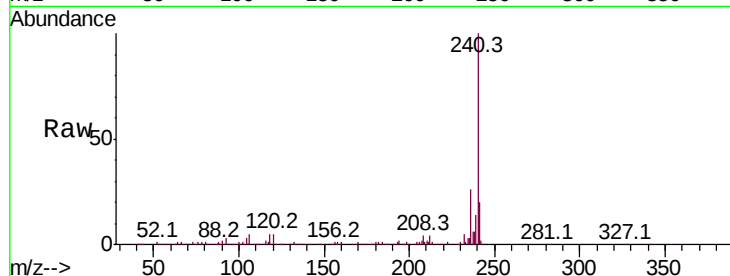
Tot Ion:240 Resp: 316433

Ion Ratio Lower Upper

240 100

120 4.6 6.8 10.2#

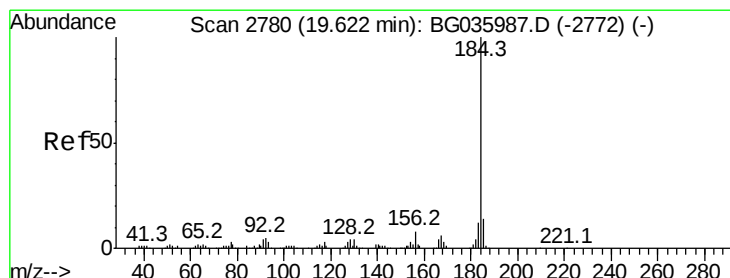
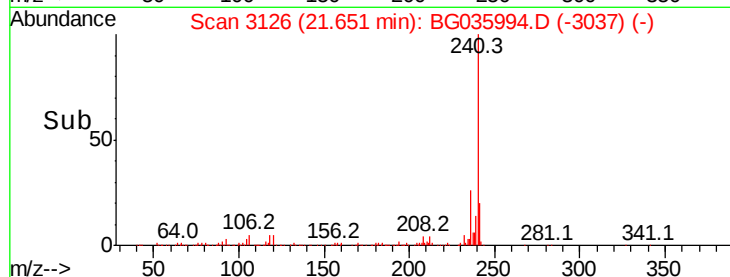
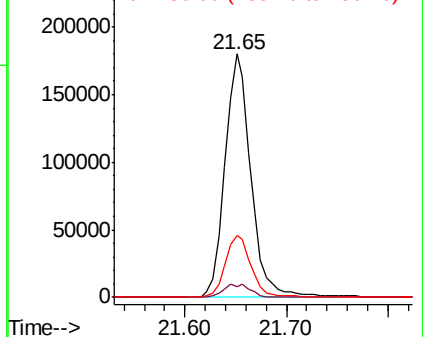
236 25.6 20.9 31.3



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: 2.787 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035994.D

Acq: 31 Jul 2018 4:00

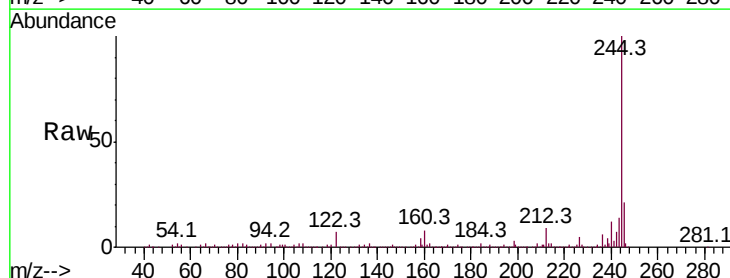
Tgt Ion:184 Resp: 23189

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

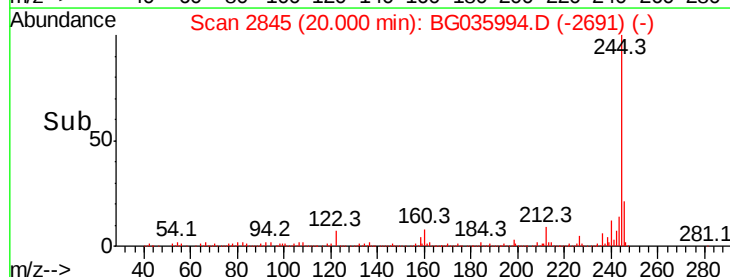
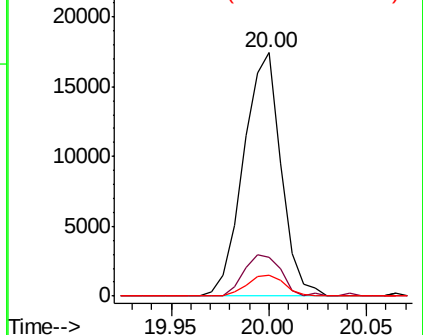
183 8.8 10.6 16.0#

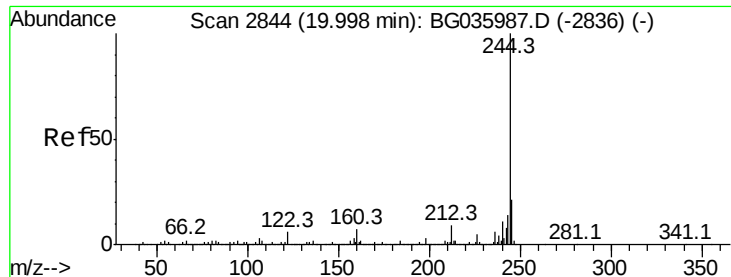


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.954 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035994.D

Acq: 31 Jul 2018 4:00

Instrument :

BNA_G

ClientSampleId :

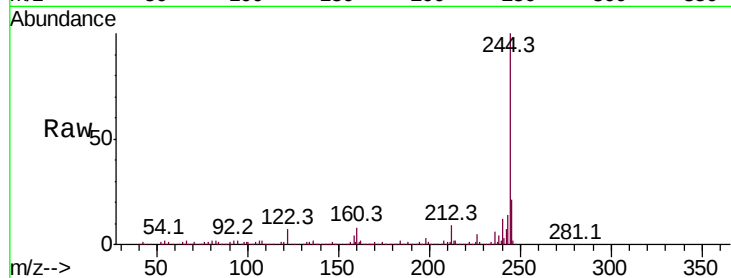
Tot Ion:244 Resp: 1320023

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

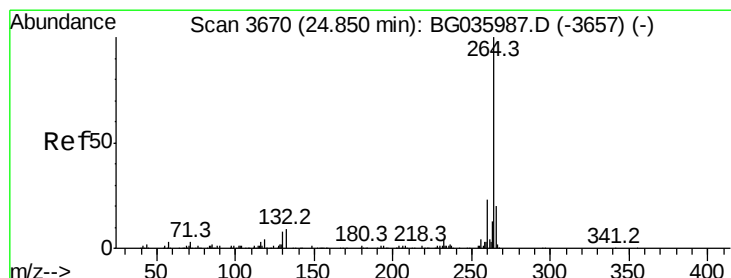
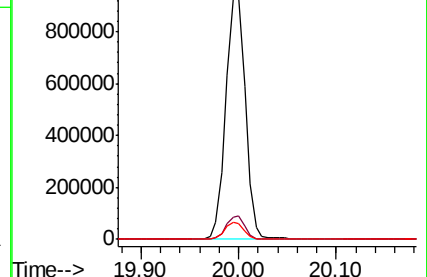
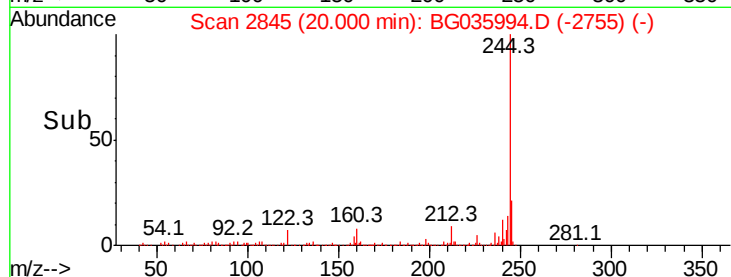
122 6.5 7.0 10.4#



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# 3671

Delta R.T. -0.01 min

Lab File: BG035994.D

Acq: 31 Jul 2018 4:00

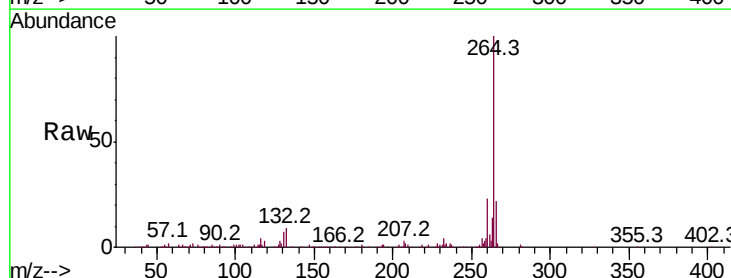
Tgt Ion:264 Resp: 299170

Ion Ratio Lower Upper

264 100

260 22.8 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

