

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071718\
 Data File : BG035714.D
 Acq On : 18 Jul 2018 12:19
 Operator : JU/SJ
 Sample : PB111140BL
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 18 12:58:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

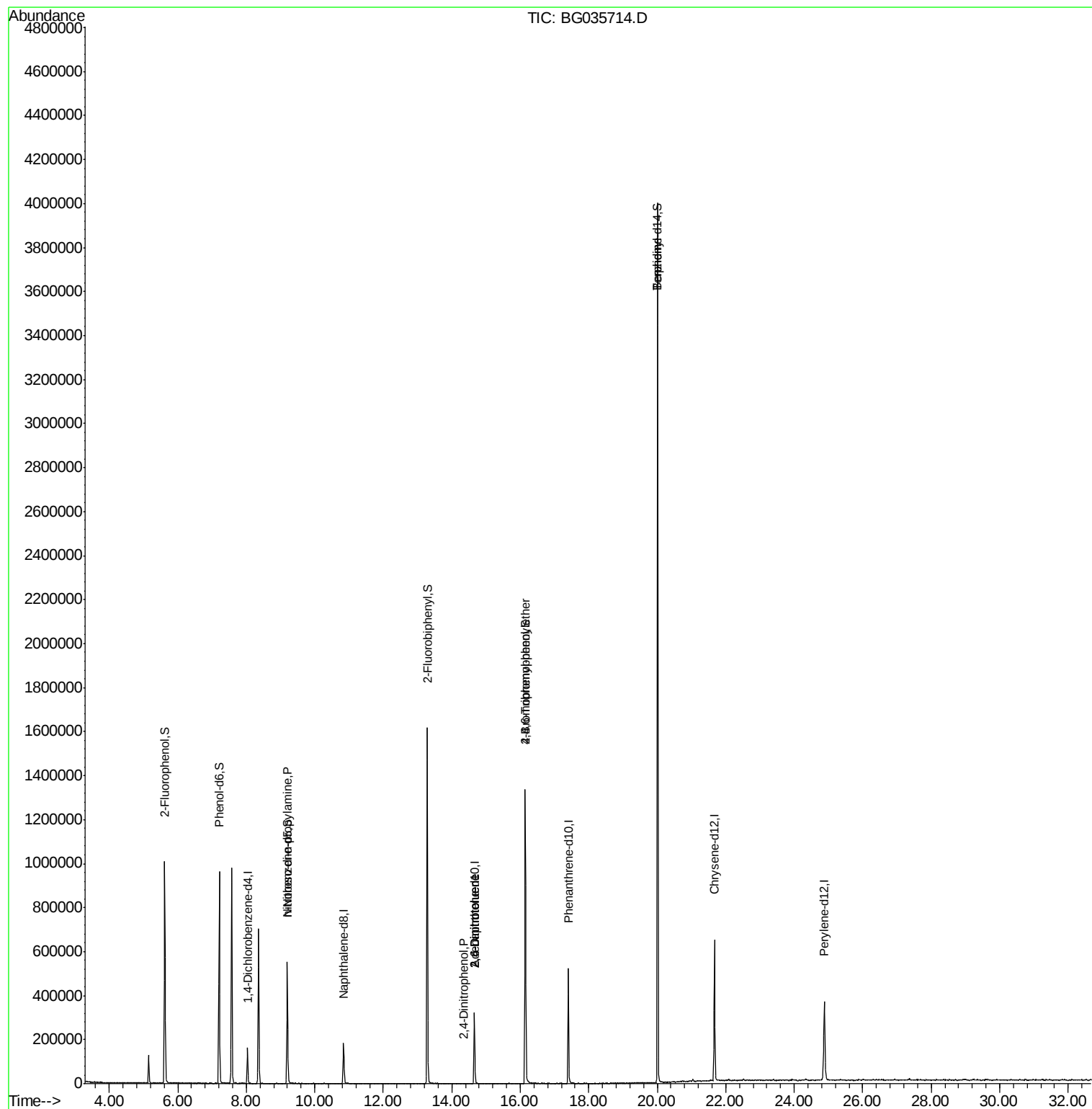
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	45926	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	166309	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	118635	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	349910	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	425451	20.00	ng	-0.02
86) Perylene-d12	24.88	264	401449	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	423299	153.02	ng	-0.01
7) Phenol-d6	7.21	99	590317	143.03	ng	0.00
23) Nitrobenzene-d5	9.20	82	383150	96.24	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	260588	166.65	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	878067	99.16	ng	-0.02
78) Terphenyl-d14	20.01	244	1859412	96.34	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	52516	15.111	ng	# 63
50) 2,6-Dinitrotoluene	14.66	165	15712	7.423	ng	# 21
53) 2,4-Dinitrophenol	14.36	184	60	6.633	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	15712	5.174	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	21310	5.249	ng	# 1
76) Benzidine	20.01	184	32943	2.945	ng	# 87

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

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QLast Update : Thu Jul 12 14:43:32 2018
Response via : Initial Calibration



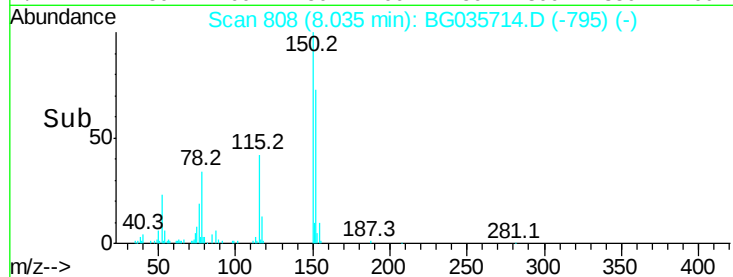
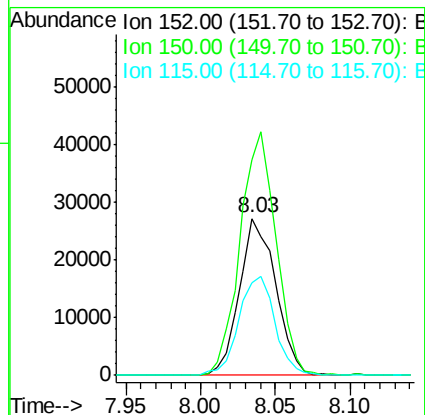
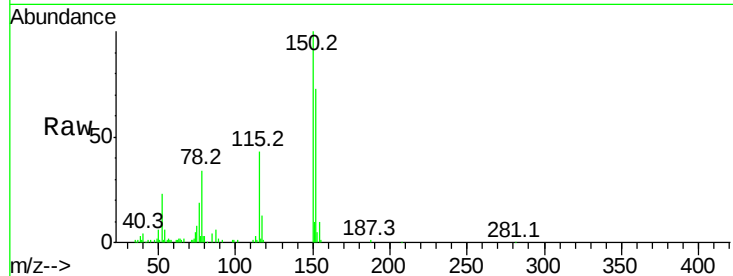


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 808
Delta R.T. -0.02 min
Lab File: BG035714.D
Acq: 18 Jul 2018 12:19

Instrument :
BNA_G
ClientSampleId :

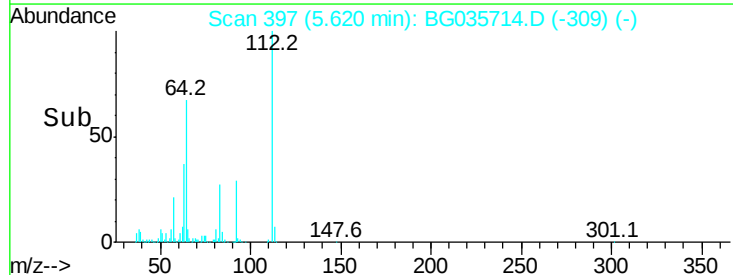
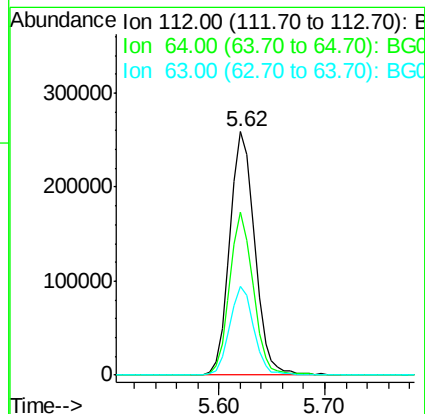
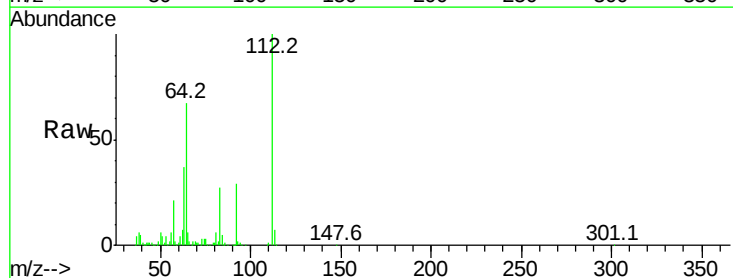
Tot Ion	Ratio	Lower	Upper
152	100		
150	137.2	126.6	189.8
115	58.8	53.0	79.4

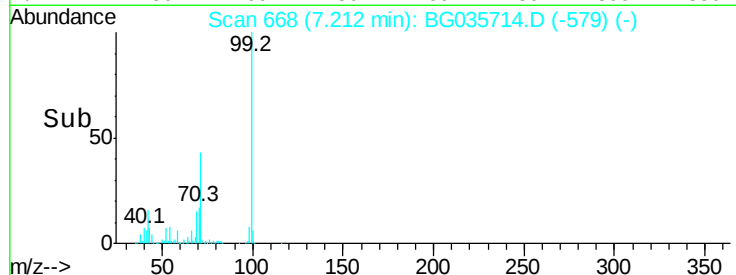
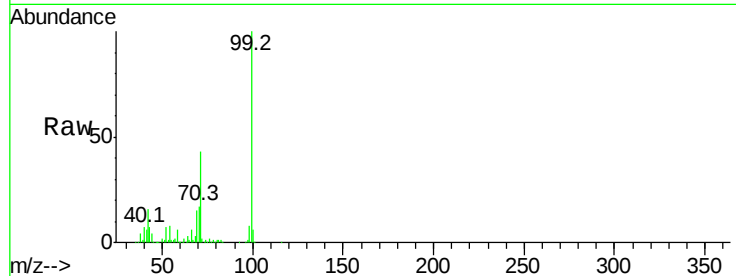


#5

2-Fluorophenol
Concen: 153.024 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG035714.D
Acq: 18 Jul 2018 12:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	56.3	84.5
63	36.5	30.1	45.1





#7

Phenol-d6

Concen: 143.031 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

Instrument :

BNA_G

ClientSampleId :

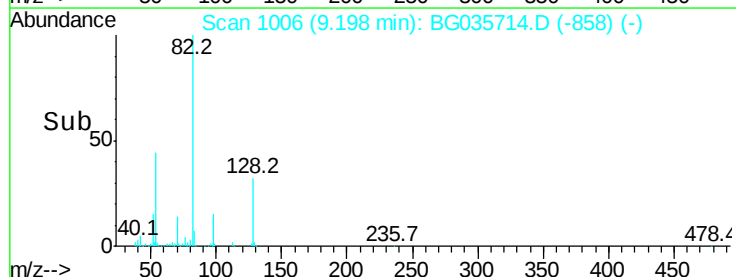
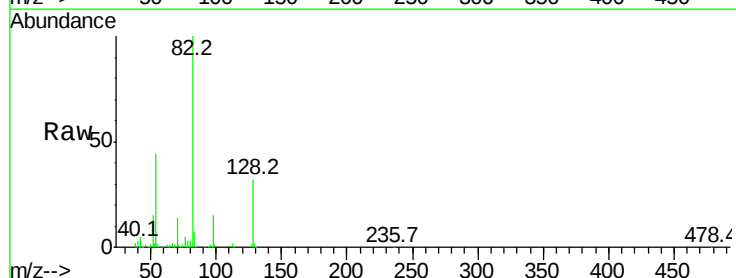
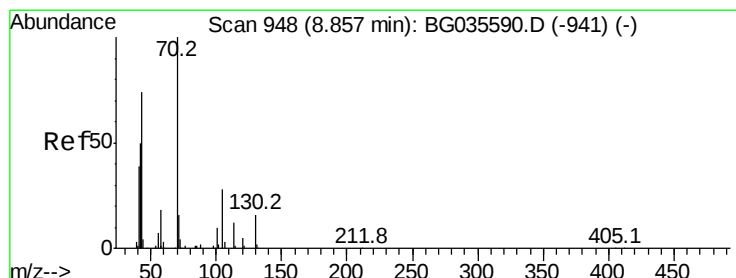
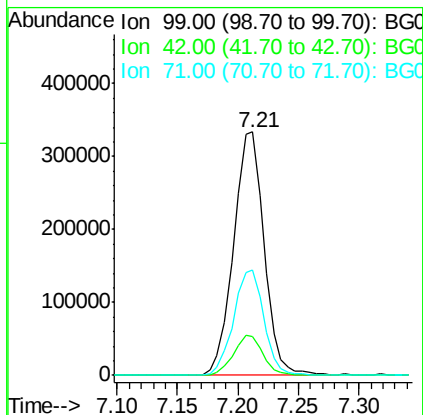
Tot Ion: 99 Resp: 590317

Ion Ratio Lower Upper

99 100

42 15.9 14.1 21.1

71 43.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.111 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.34 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

Tgt Ion: 70 Resp: 52516

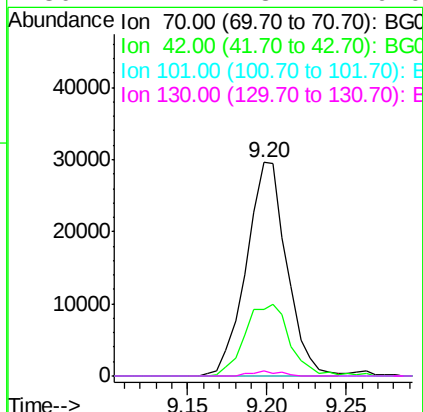
Ion Ratio Lower Upper

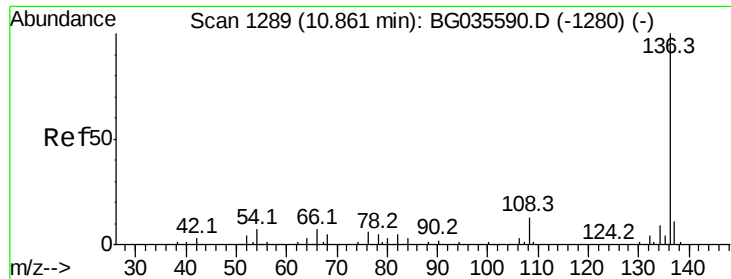
70 100

42 31.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

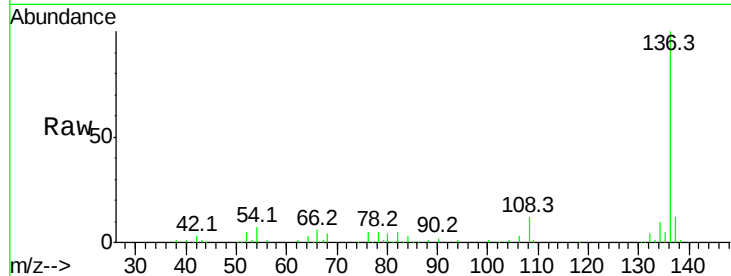




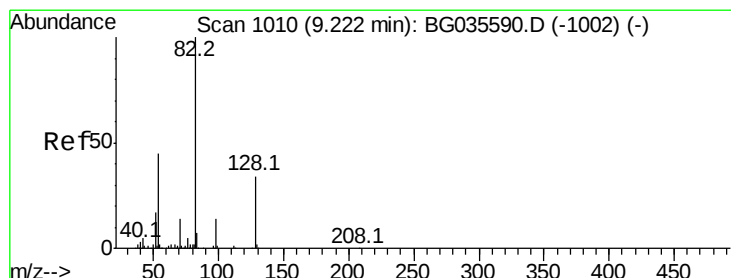
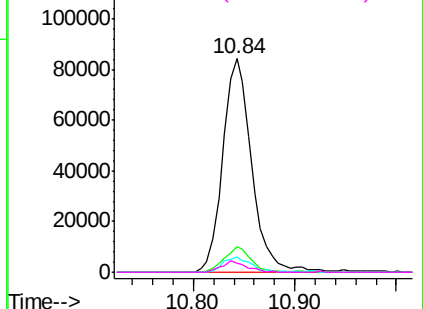
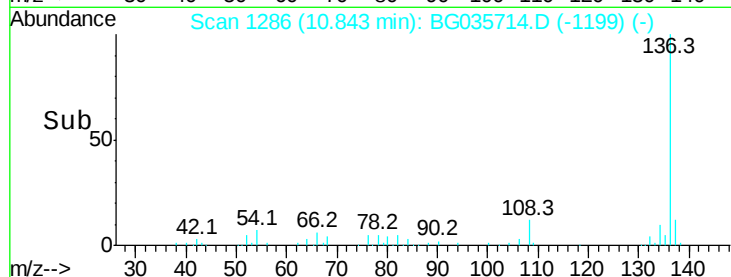
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BG035714.D
Acq: 18 Jul 2018 12:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	166309
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	7.1	10.3	15.5#
68	4.4	4.5	6.7#

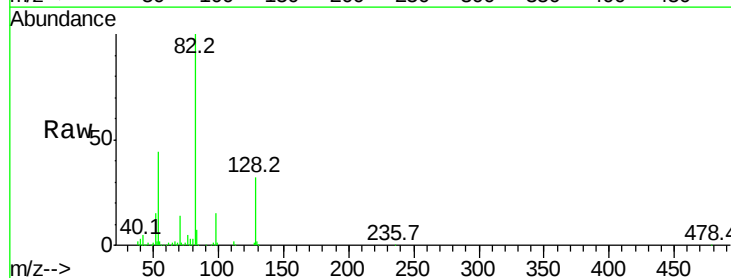


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

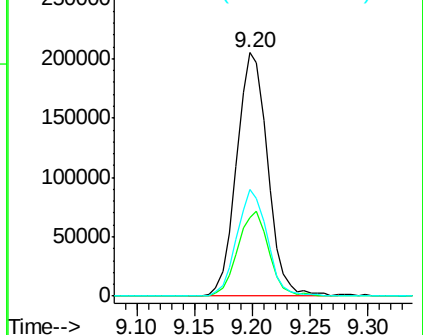
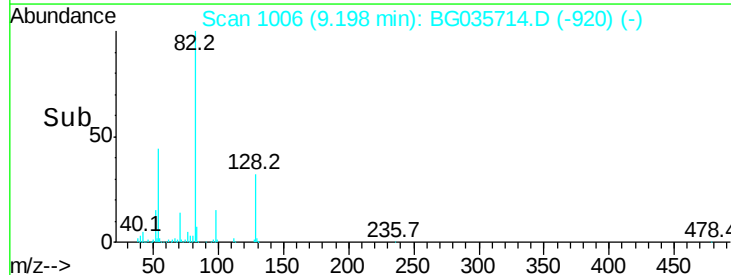


#23
Nitrobenzene-d5
Concen: 96.242 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BG035714.D
Acq: 18 Jul 2018 12:19

Tgt Ion:	82	Resp:	383150
Ion	Ratio	Lower	Upper
82	100		
128	32.4	29.7	44.5
54	43.7	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

Instrument :

BNA_G

ClientSampleId :

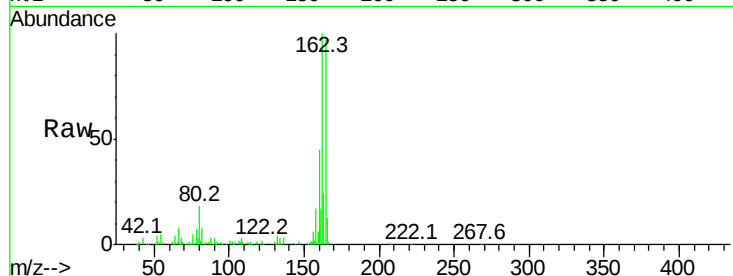
Tot Ion:164 Resp: 118635

Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

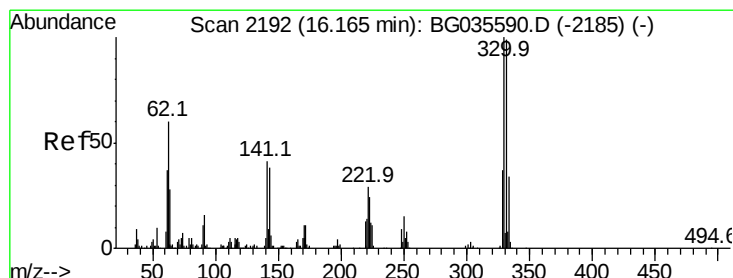
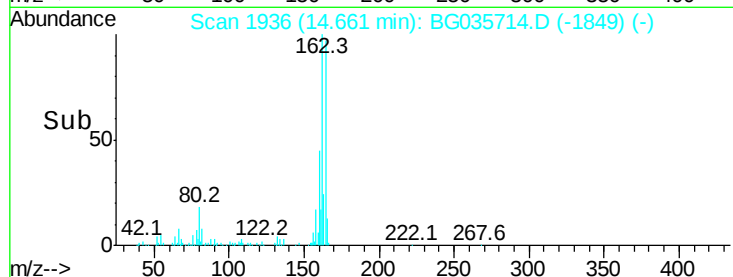
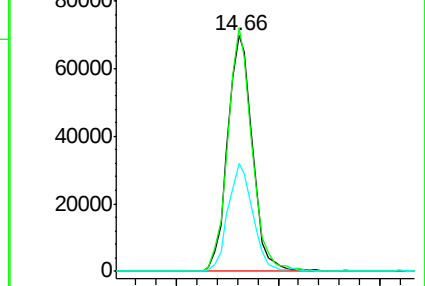
160 46.0 35.4 53.0



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: 166.650 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

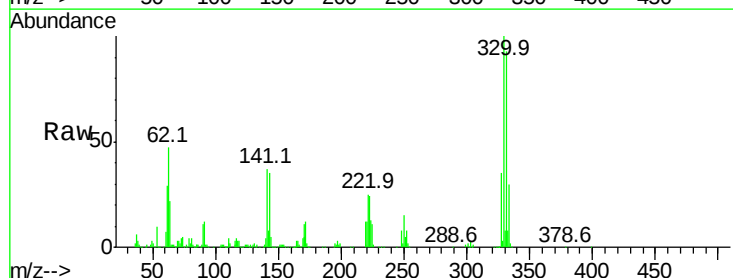
Tgt Ion:330 Resp: 260588

Ion Ratio Lower Upper

330 100

332 93.9 77.0 115.6

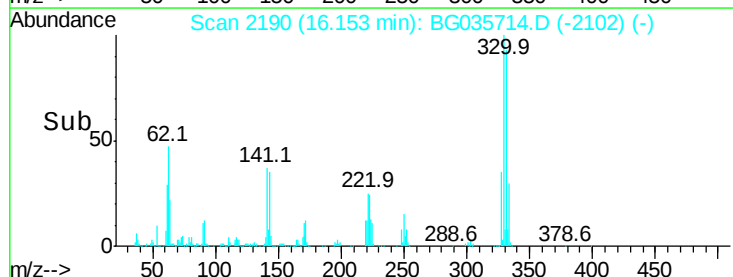
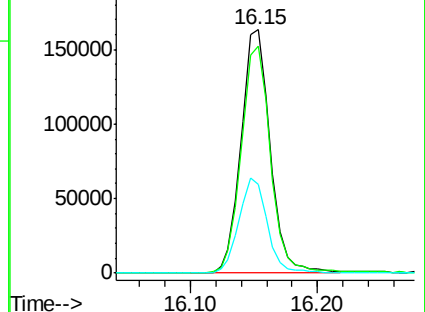
141 38.5 25.2 37.8#

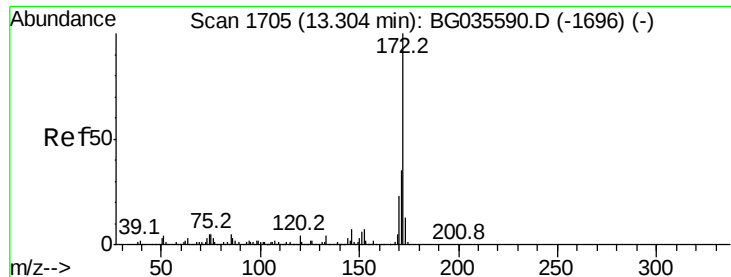


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

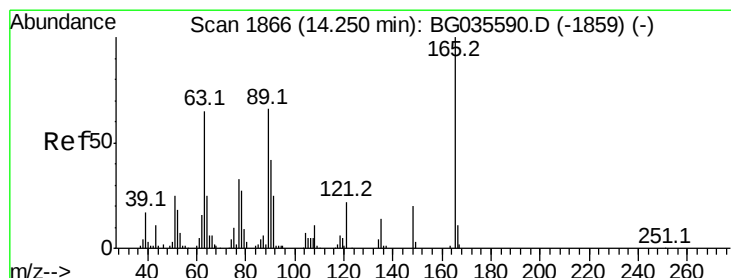
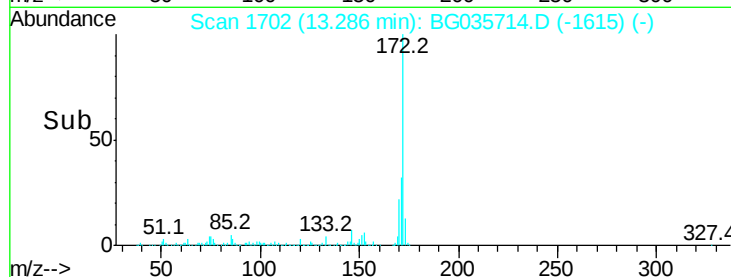
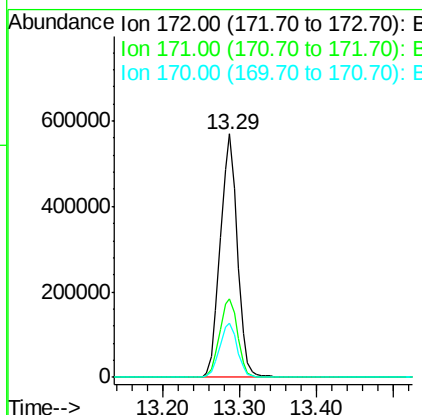
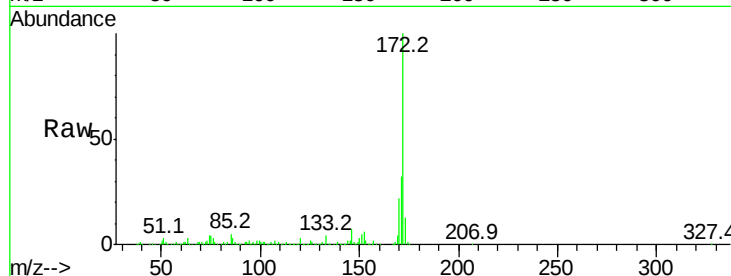




#44
2-Fluorobiphenyl
Concen: 99.160 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.02 min
Lab File: BG035714.D
Acq: 18 Jul 2018 12:19

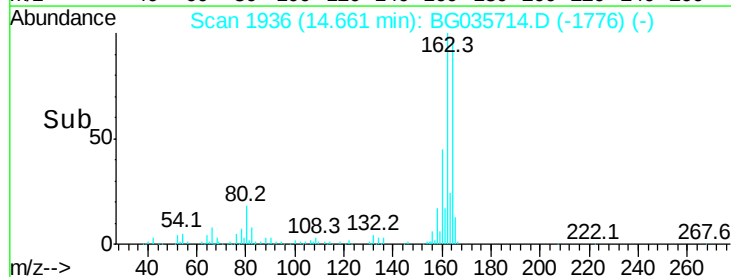
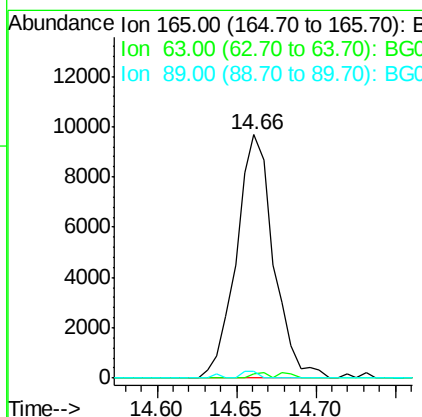
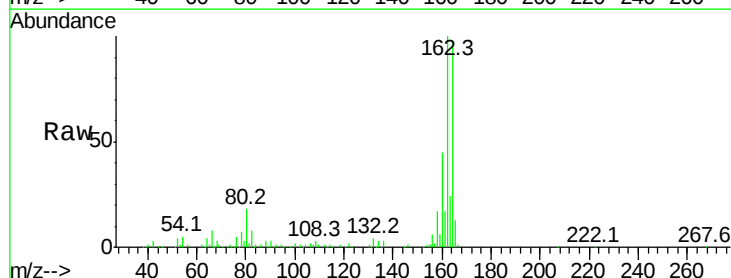
Instrument :
BNA_G
ClientSampleId :

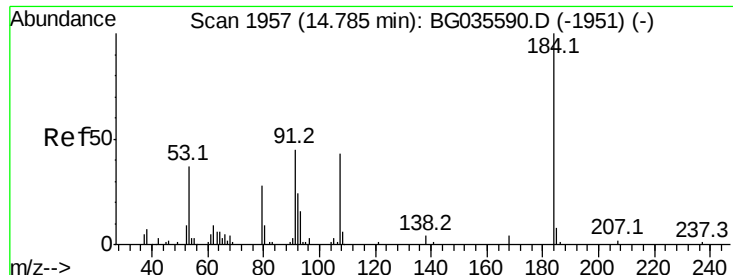
Tot Ion:172 Resp: 878067
Ion Ratio Lower Upper
172 100
171 32.3 30.0 45.0
170 22.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.423 ng
RT: 14.66 min Scan# 1936
Delta R.T. 0.41 min
Lab File: BG035714.D
Acq: 18 Jul 2018 12:19

Tgt Ion:165 Resp: 15712
Ion Ratio Lower Upper
165 100
63 1.8 52.7 79.1#
89 2.9 49.2 73.8#

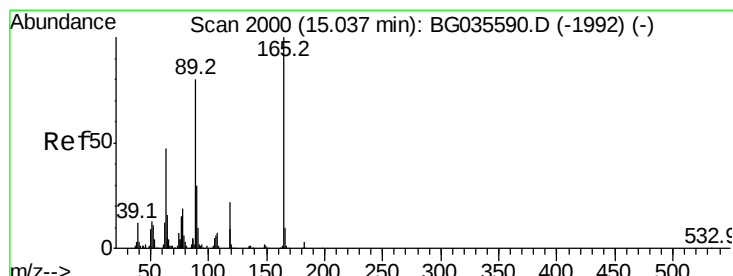
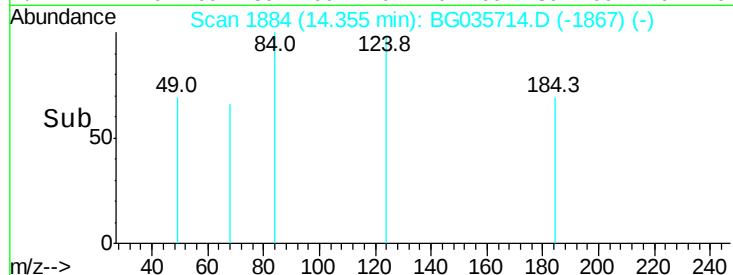
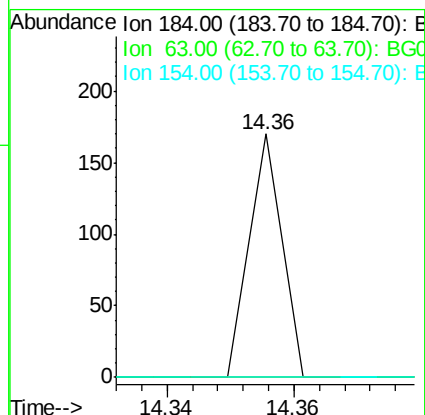
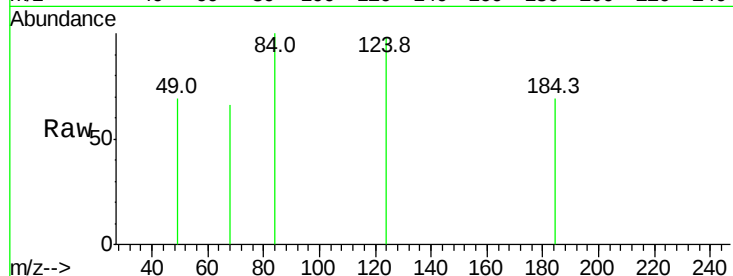




#53
2,4-Dinitrophenol
Concen: 6.633 ng
RT: 14.36 min Scan# 1884
Delta R.T. -0.43 min
Lab File: BG035714.D
Acq: 18 Jul 2018 12:19

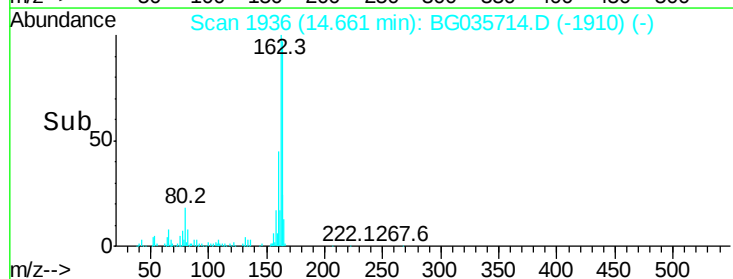
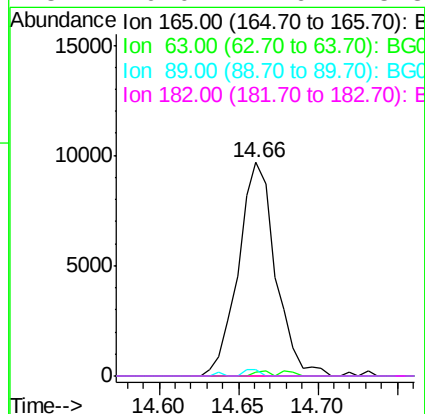
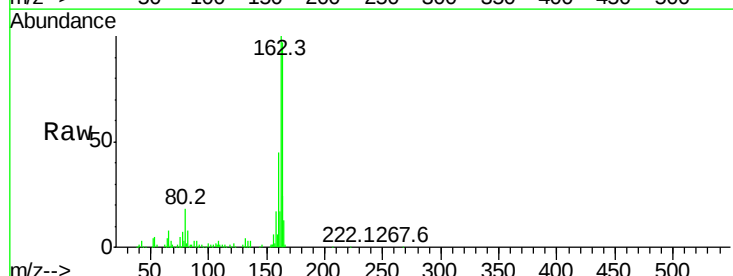
Instrument :
BNA_G
ClientSampleId :

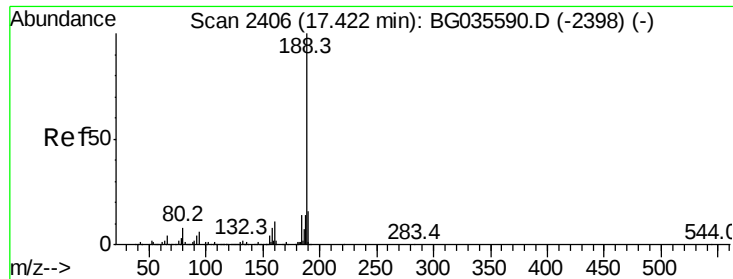
Tot Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.174 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.38 min
Lab File: BG035714.D
Acq: 18 Jul 2018 12:19

Tgt Ion:165 Resp: 15712
Ion Ratio Lower Upper
165 100
63 1.8 42.0 63.0#
89 2.9 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2403

Delta R.T. -0.02 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

Instrument :

BNA_G

ClientSampleId :

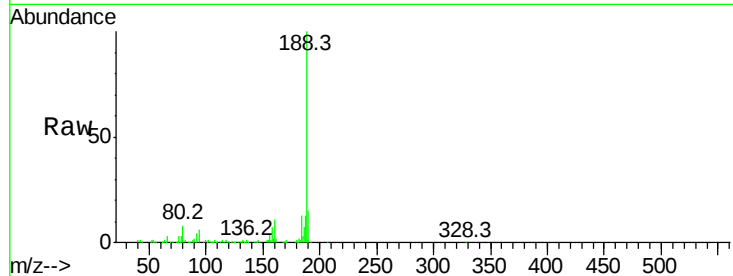
Tot Ion:188 Resp: 349910

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

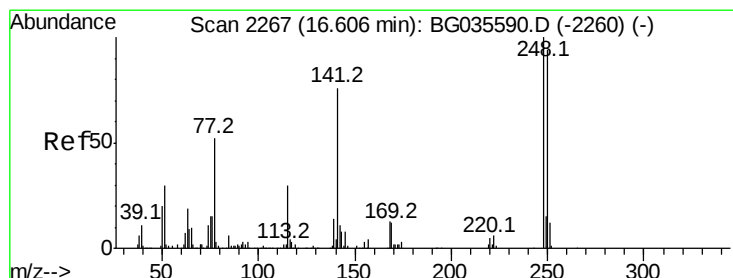
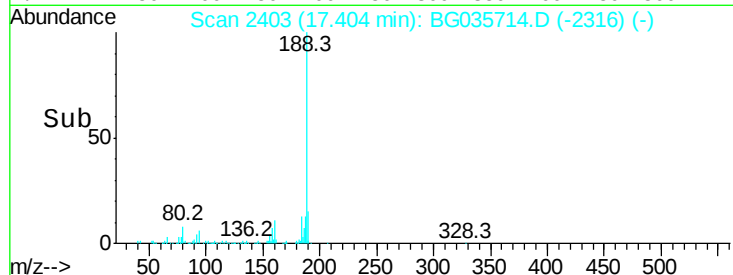
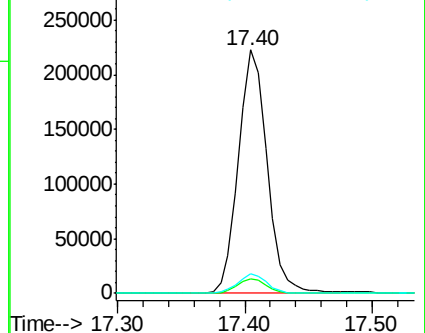
80 8.1 7.7 11.5



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: 5.249 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.46 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

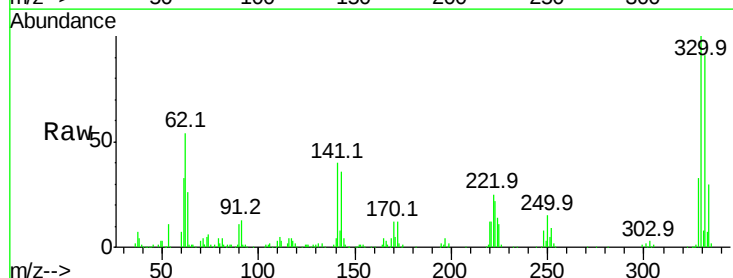
Tgt Ion:248 Resp: 21310

Ion Ratio Lower Upper

248 100

250 184.2 77.1 115.7#

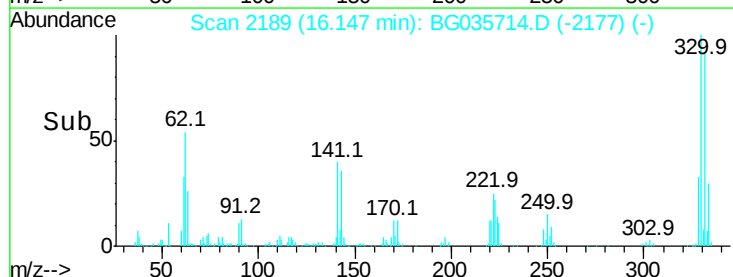
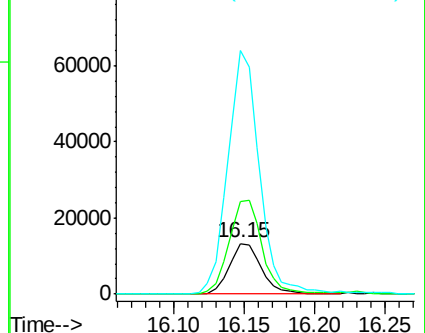
141 481.3 50.8 76.2#

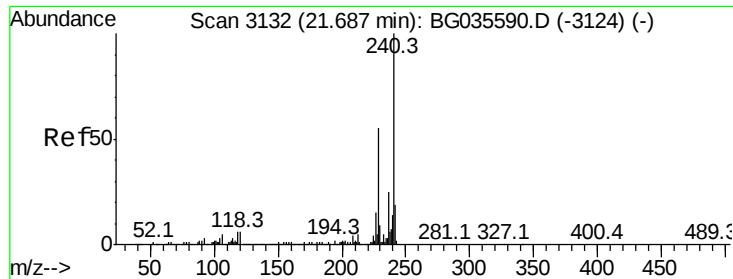


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

Instrument :

BNA_G

ClientSampleId :

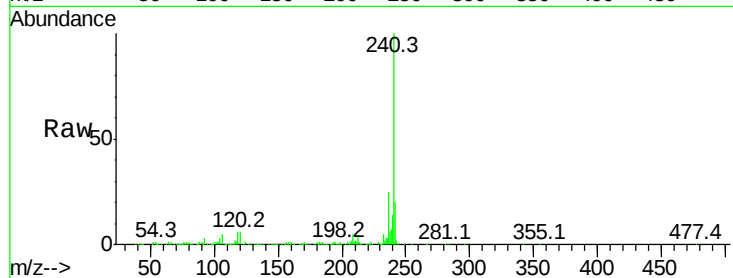
Tot Ion:240 Resp: 425451

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

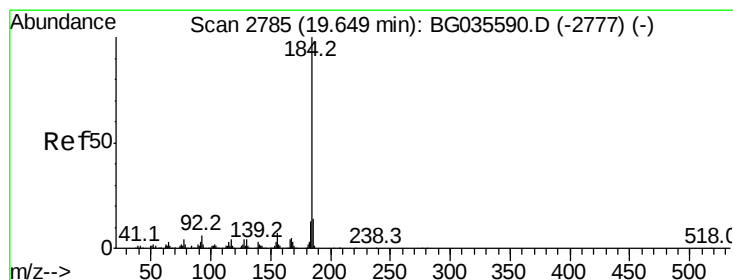
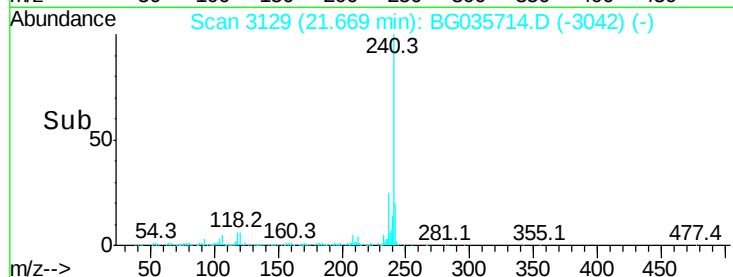
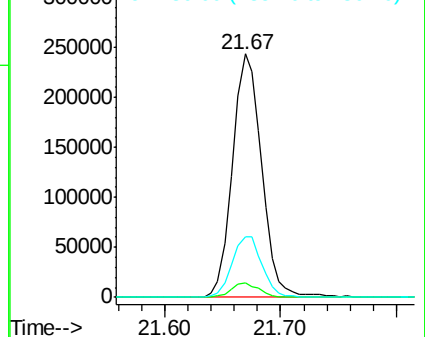
236 25.0 20.9 31.3



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: 2.945 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.36 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

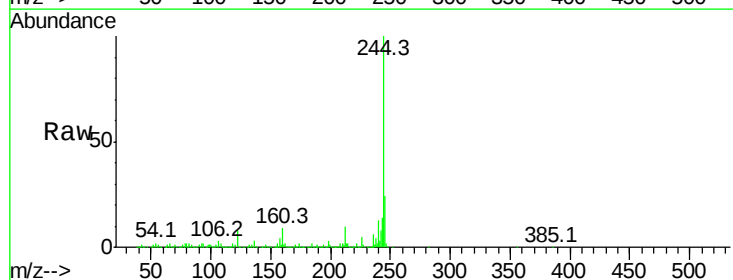
Tgt Ion:184 Resp: 32943

Ion Ratio Lower Upper

184 100

185 20.8 11.1 16.7#

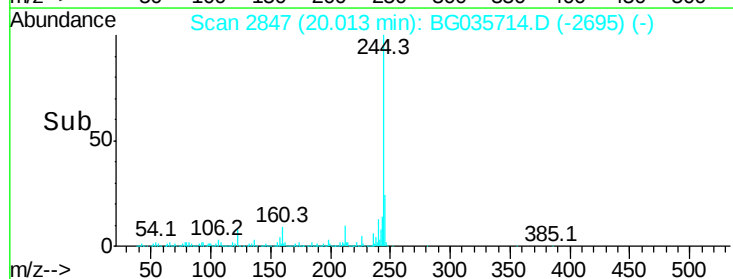
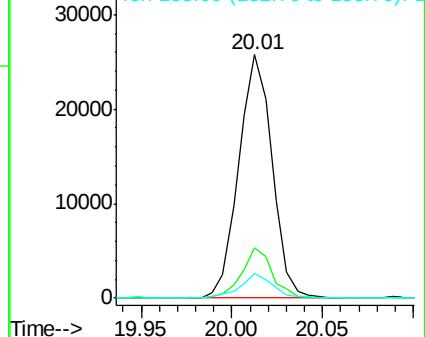
183 10.0 10.6 16.0#

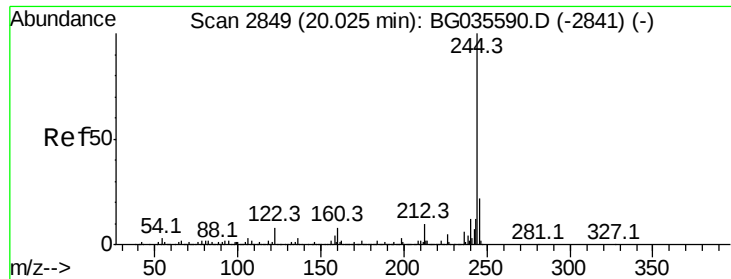


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.338 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

Instrument :

BNA_G

ClientSampleId :

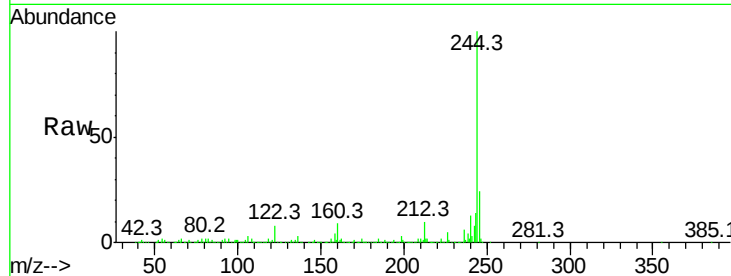
Tot Ion:244 Resp: 1859412

Ion Ratio Lower Upper

244 100

212 10.3 5.8 8.8#

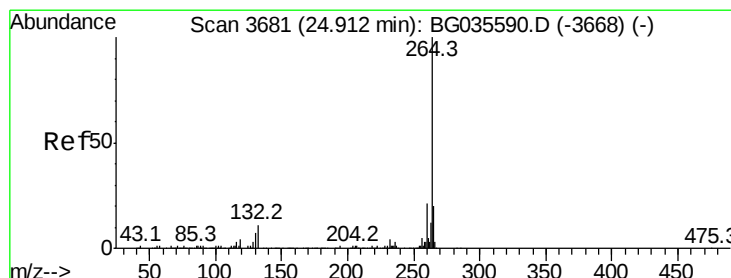
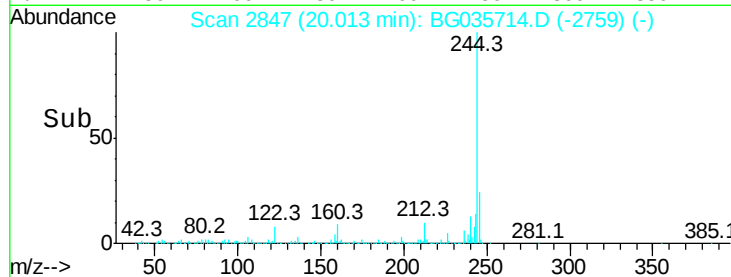
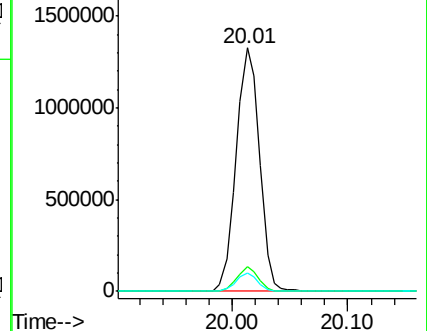
122 7.6 7.0 10.4



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: 24.88 min Scan# 3675

Delta R.T. -0.04 min

Lab File: BG035714.D

Acq: 18 Jul 2018 12:19

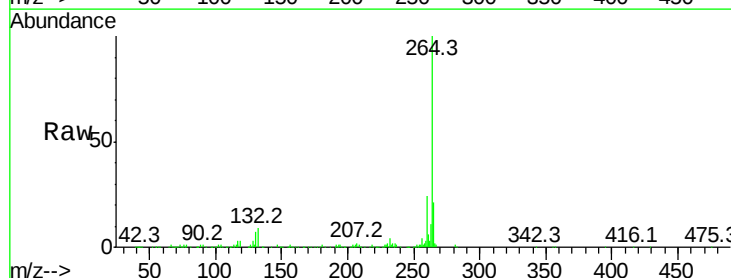
Tgt Ion:264 Resp: 401449

Ion Ratio Lower Upper

264 100

260 24.4 17.4 26.0

265 21.1 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

