

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
 Data File : BG035740.D
 Acq On : 19 Jul 2018 6:16
 Operator : JU/SJ
 Sample : J4016-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 06:56:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 17:45:13 2018
 Response via : Initial Calibration

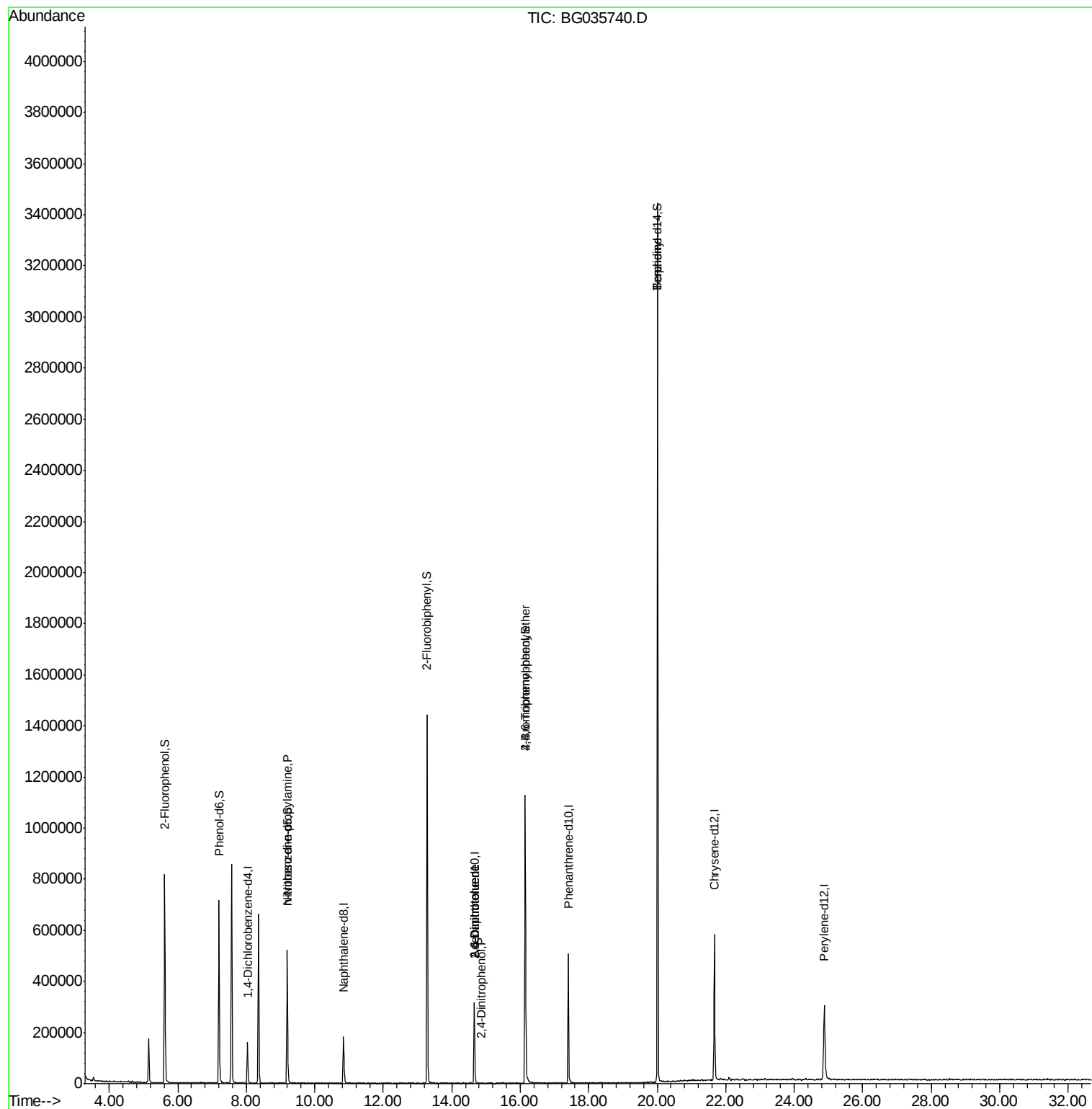
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	47170	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	166311	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	112790	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	333501	20.00	ng	0.00
75) Chrysene-d12	21.67	240	387738	20.00	ng	0.00
86) Perylene-d12	24.88	264	352814	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	349330	122.95	ng	0.00
7) Phenol-d6	7.21	99	437246	103.15	ng	0.00
23) Nitrobenzene-d5	9.20	82	362032	90.94	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	223039	150.03	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	800446	95.08	ng	0.00
78) Terphenyl-d14	20.01	244	1662841	94.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	49892	13.977	ng	# 70
50) 2,6-Dinitrotoluene	14.66	165	14557	7.234	ng	# 18
53) 2,4-Dinitrophenol	14.86	184	55	6.631	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	14557	5.042	ng	# 16
66) 4-Bromophenyl-phenylether	16.15	248	18794	4.857	ng	# 1
76) Benzidine	20.01	184	28804	2.826	ng	# 94

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

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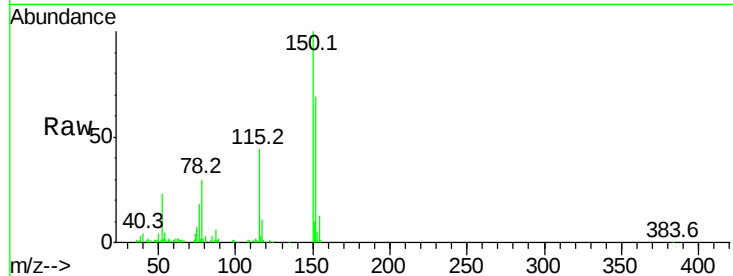


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. 0.00 min
Lab File: BG035740.D
Acq: 19 Jul 2018 6:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.1	126.6	189.8
115	63.9	53.0	79.4

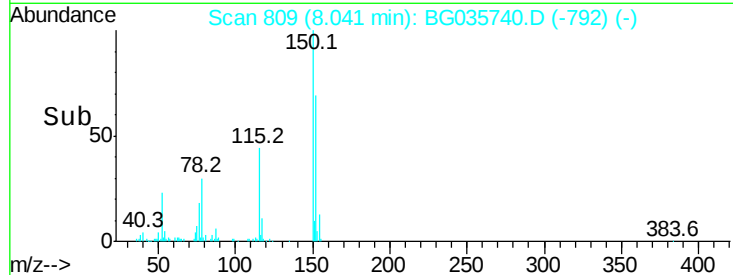
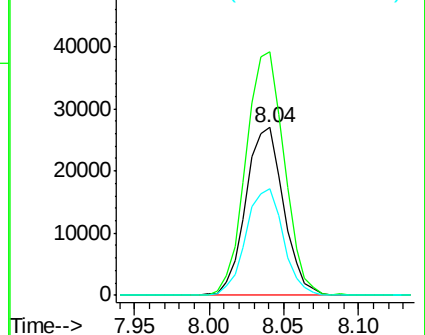


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

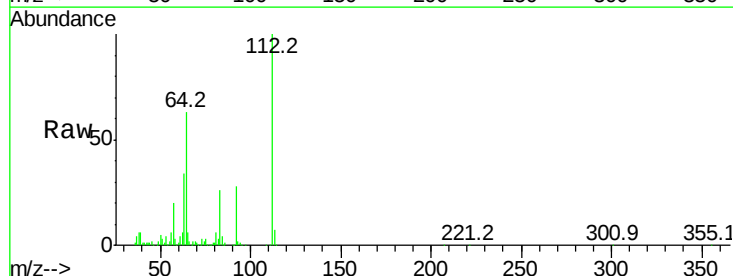
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 122.953 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG035740.D
Acq: 19 Jul 2018 6:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	56.3	84.5
63	34.3	30.1	45.1

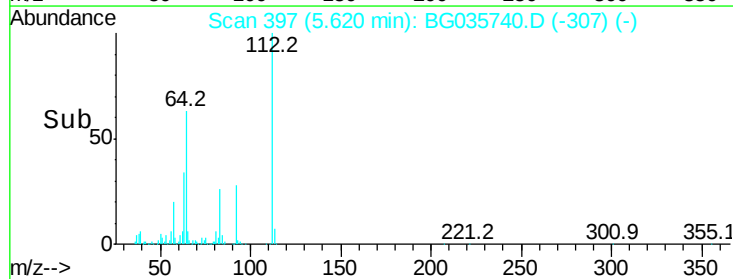
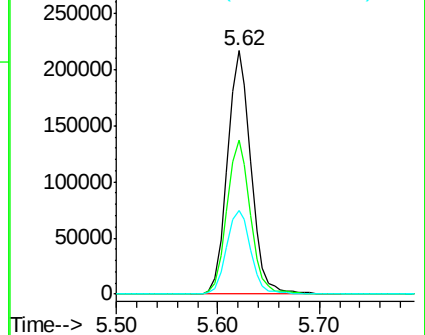


Abundance

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: 103.149 ng

RT: 7.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BG035740.D

Acq: 19 Jul 2018 6:16

Instrument :

BNA_G

ClientSampleId :

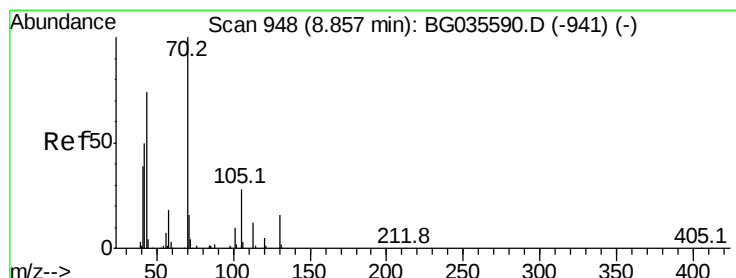
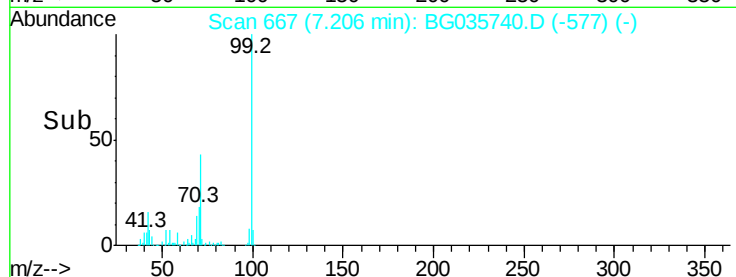
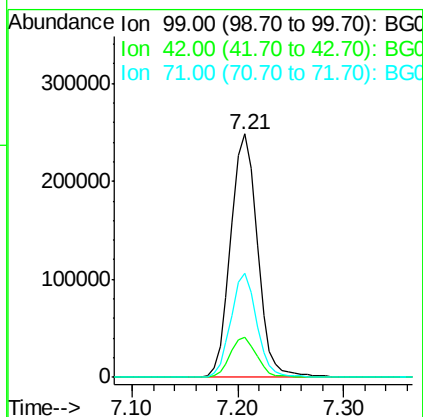
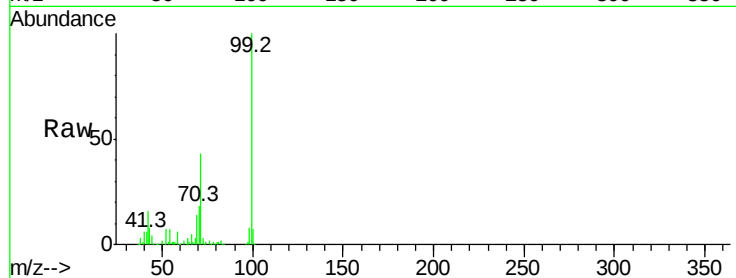
Tot Ion: 99 Resp: 437246

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

71 42.5 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.977 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035740.D

Acq: 19 Jul 2018 6:16

Tgt Ion: 70 Resp: 49892

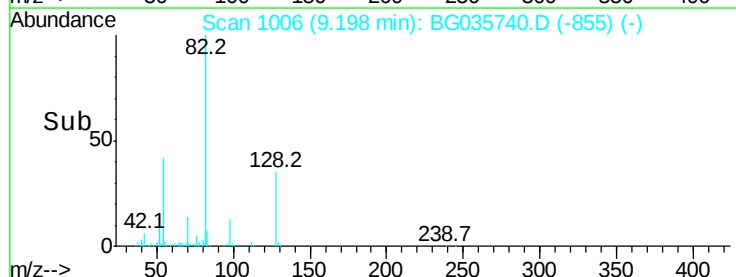
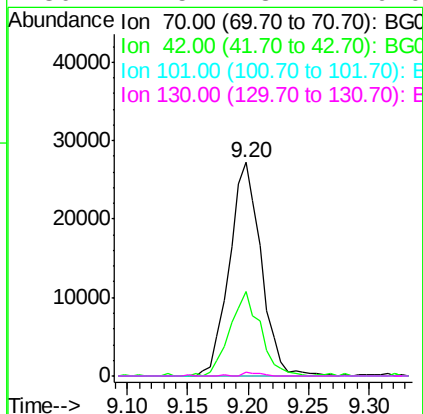
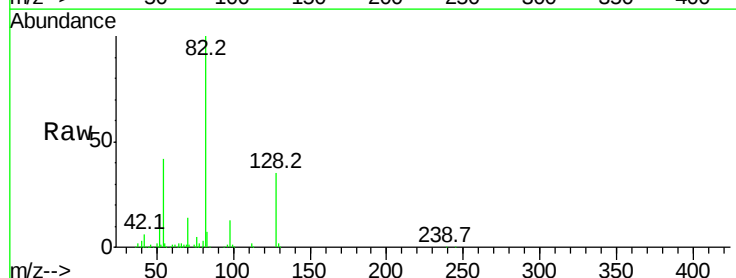
Ion Ratio Lower Upper

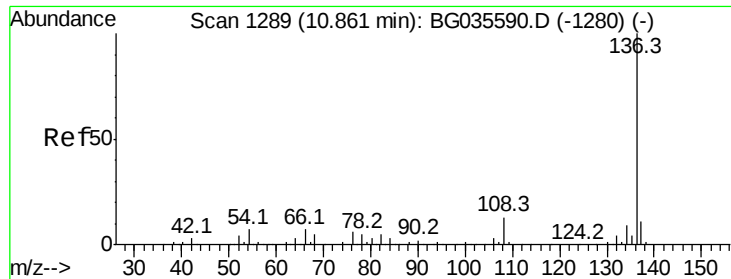
70 100

42 39.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

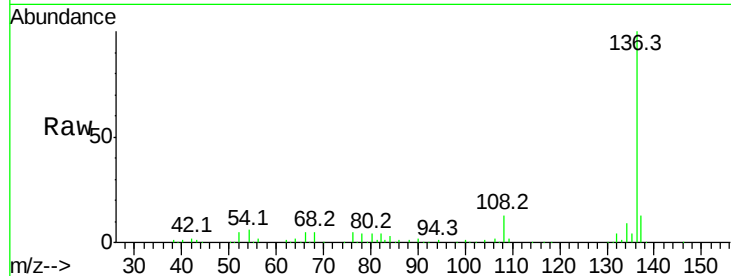




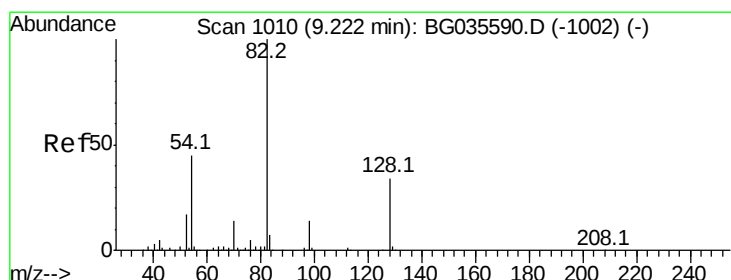
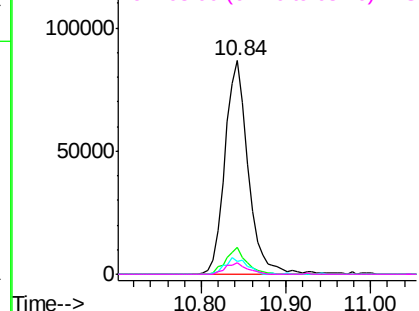
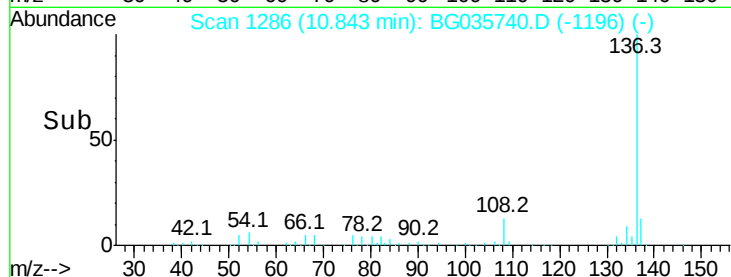
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BG035740.D
Acq: 19 Jul 2018 6:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	166311
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.2	13.8
54	5.8	10.3	15.5#
68	5.4	4.5	6.7

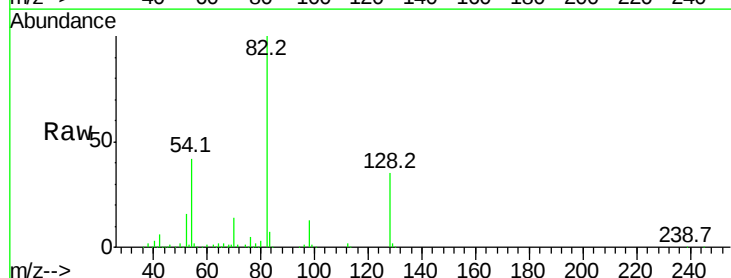


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

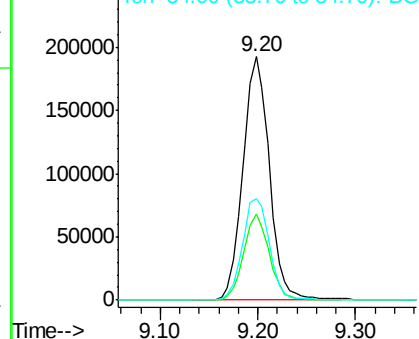
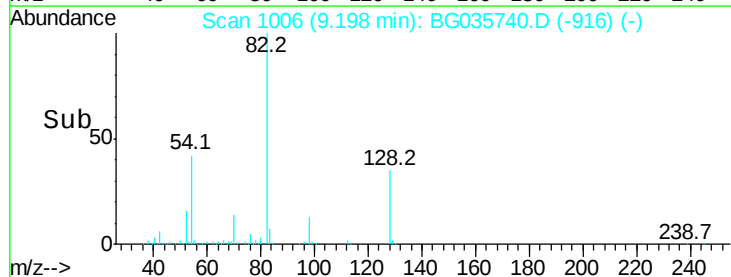


#23
Nitrobenzene-d5
Concen: 90.937 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BG035740.D
Acq: 19 Jul 2018 6:16

Tgt Ion:	82	Resp:	362032
Ion	Ratio	Lower	Upper
82	100		
128	35.2	29.7	44.5
54	41.7	43.1	64.7#



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BG035740.D

Acq: 19 Jul 2018 6:16

Instrument :

BNA_G

ClientSampleId :

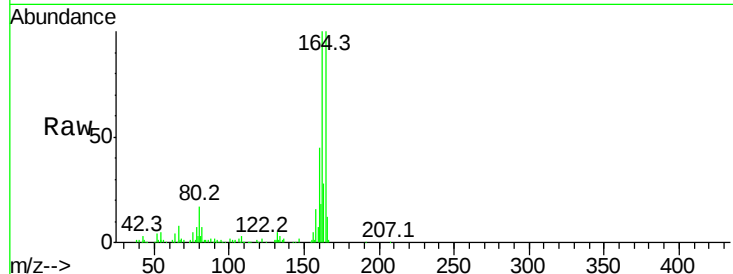
Tot Ion:164 Resp: 112790

Ion Ratio Lower Upper

164 100

162 100.1 78.8 118.2

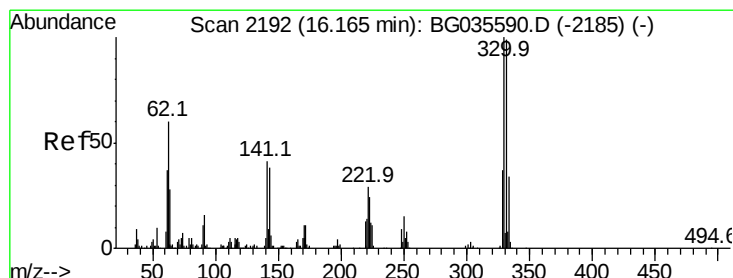
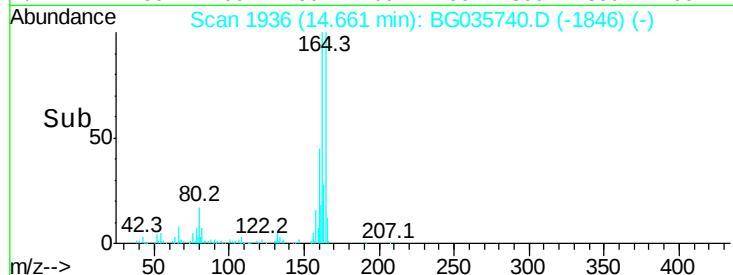
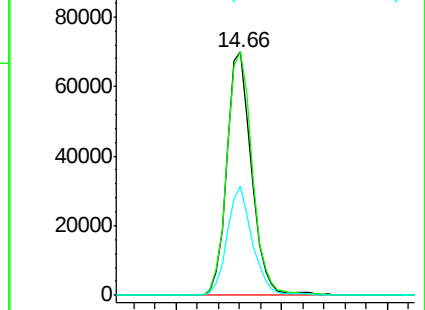
160 45.0 35.4 53.0



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: 150.028 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BG035740.D

Acq: 19 Jul 2018 6:16

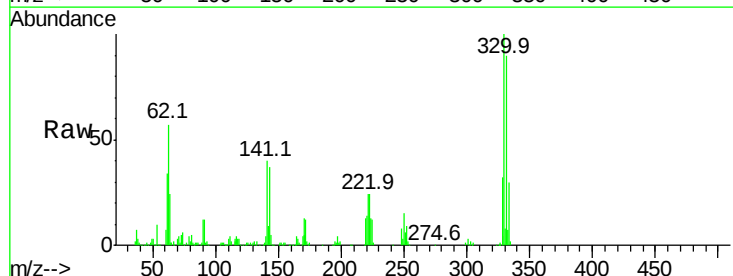
Tgt Ion:330 Resp: 223039

Ion Ratio Lower Upper

330 100

332 93.8 77.0 115.6

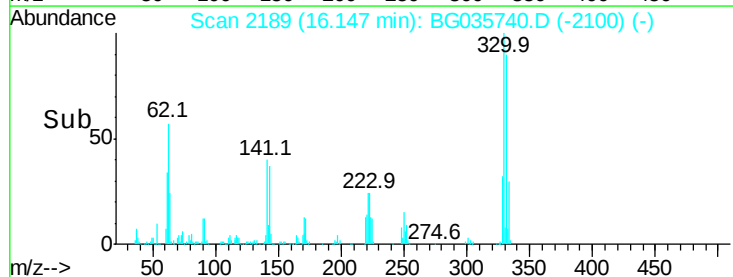
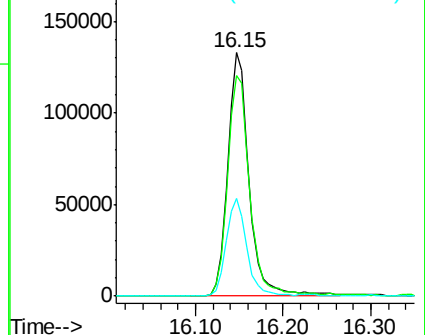
141 38.8 25.2 37.8#

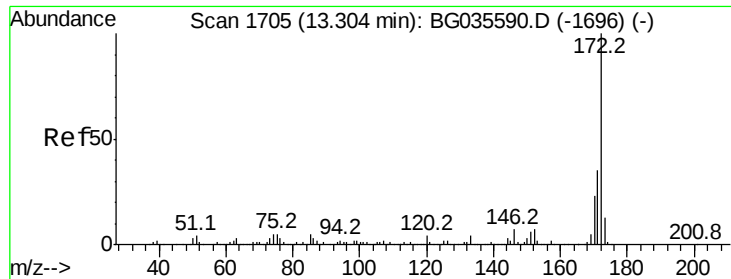


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

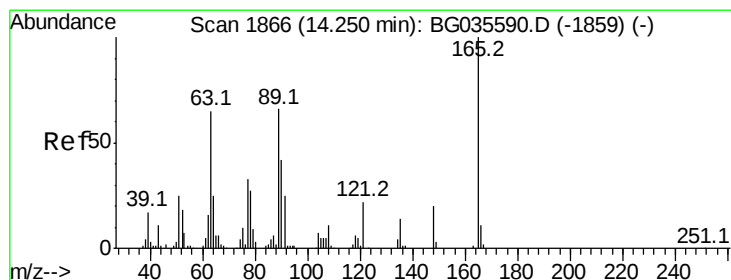
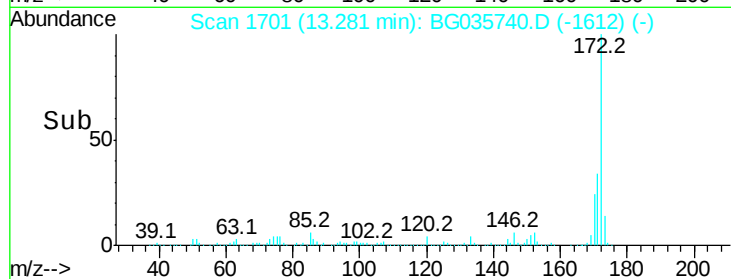
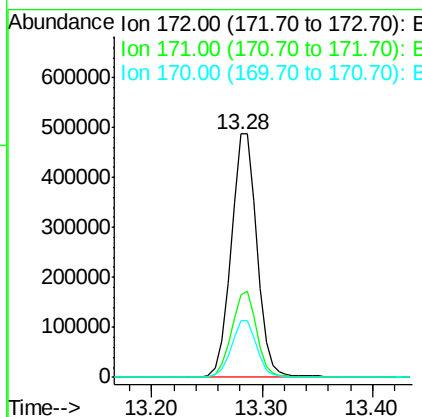
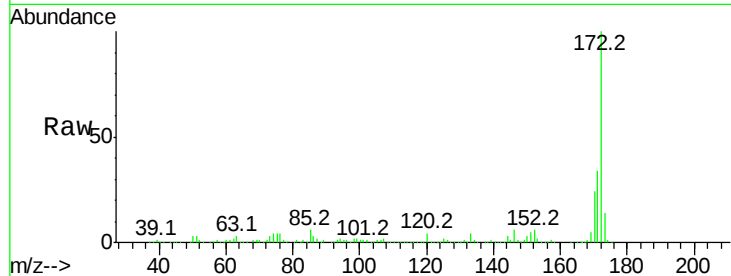




#44
 2-Fluorobiphenyl
 Concen: 95.078 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.01 min
 Lab File: BG035740.D
 Acq: 19 Jul 2018 6:16

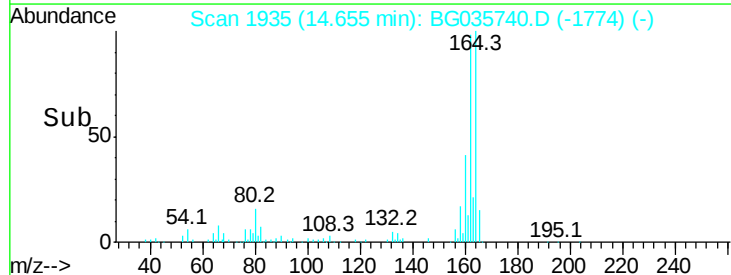
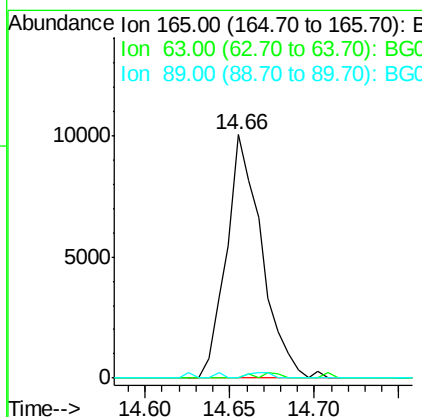
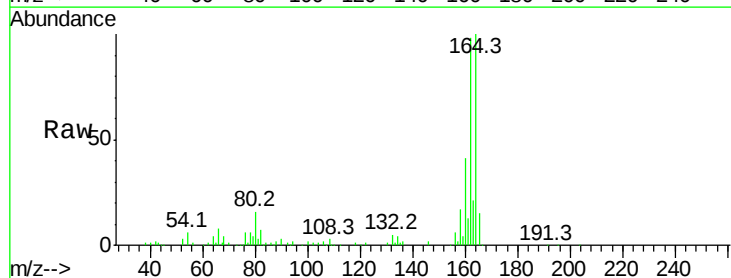
Instrument :
 BNA_G
 ClientSampleId :

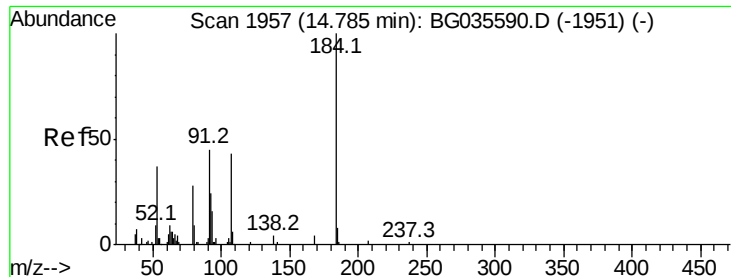
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	30.0	45.0
170	23.6	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.234 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. 0.42 min
 Lab File: BG035740.D
 Acq: 19 Jul 2018 6:16

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

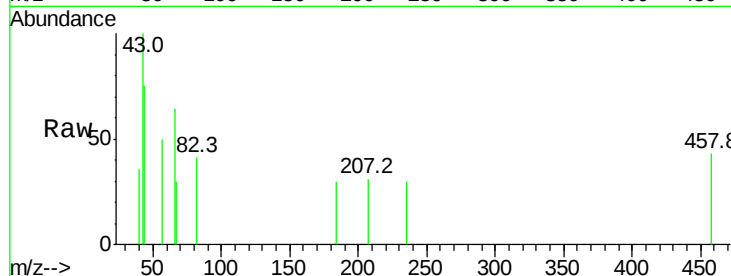




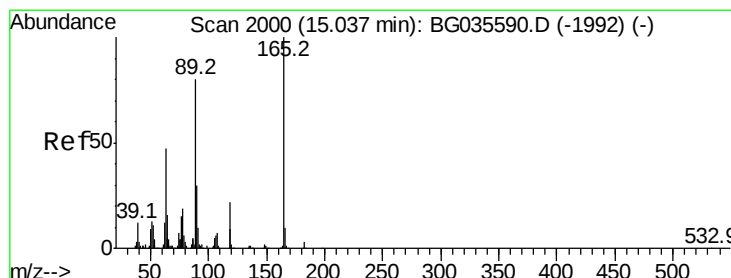
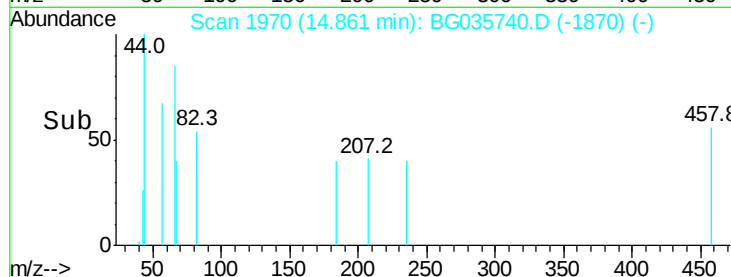
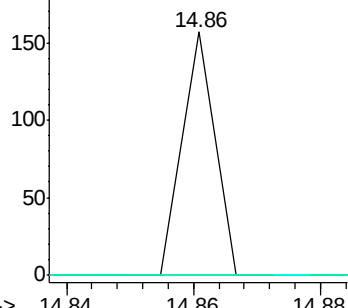
#53
2,4-Dinitrophenol
Concen: 6.631 ng
RT: 14.86 min Scan# 1970
Delta R.T. 0.06 min
Lab File: BG035740.D
Acq: 19 Jul 2018 6:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

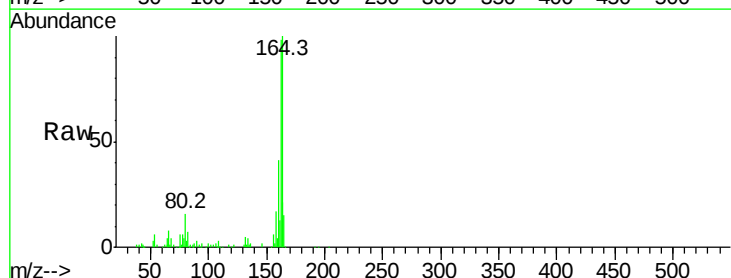


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

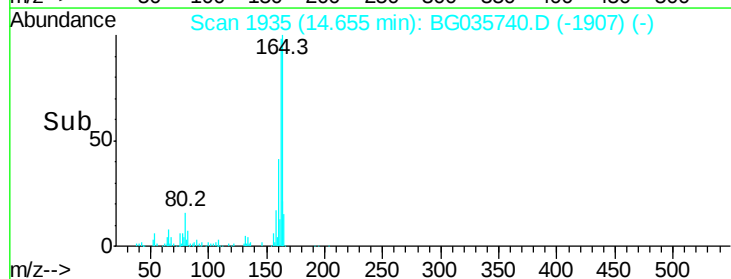
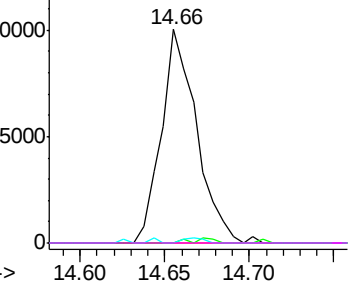


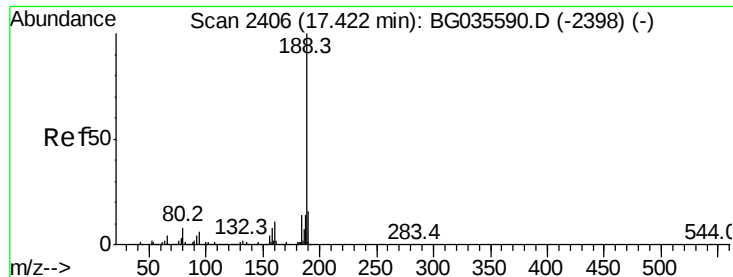
#56
2,4-Dinitrotoluene
Concen: 5.042 ng
RT: 14.66 min Scan# 1935
Delta R.T. -0.36 min
Lab File: BG035740.D
Acq: 19 Jul 2018 6:16

Tgt Ion:165 Resp: 14557
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: 17.40 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BG035740.D

Acq: 19 Jul 2018 6:16

Instrument :

BNA_G

ClientSampled :

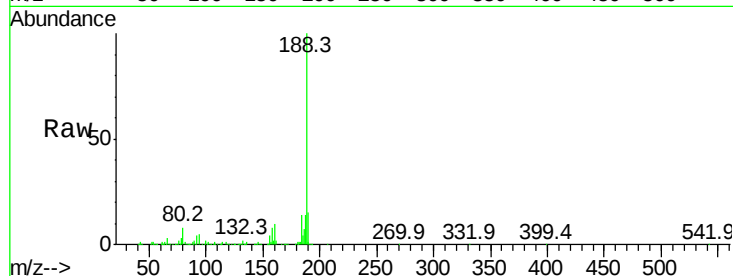
Tot Ion:188 Resp: 333501

Ion Ratio Lower Upper

188 100

94 5.4 6.9 10.3#

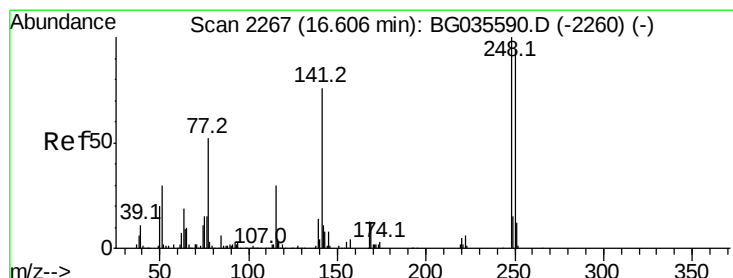
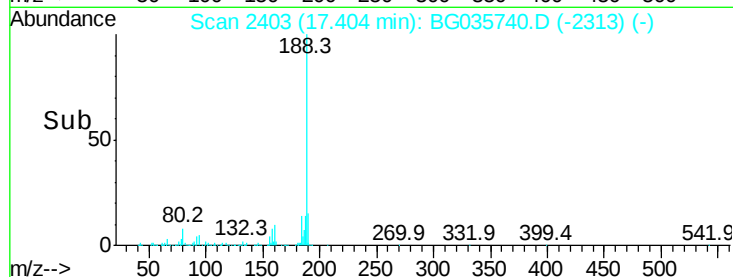
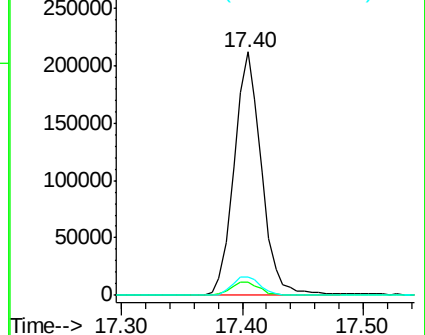
80 7.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 4.857 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.44 min

Lab File: BG035740.D

Acq: 19 Jul 2018 6:16

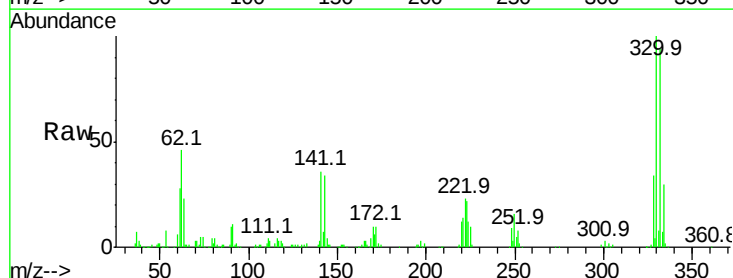
Tgt Ion:248 Resp: 18794

Ion Ratio Lower Upper

248 100

250 182.1 77.1 115.7#

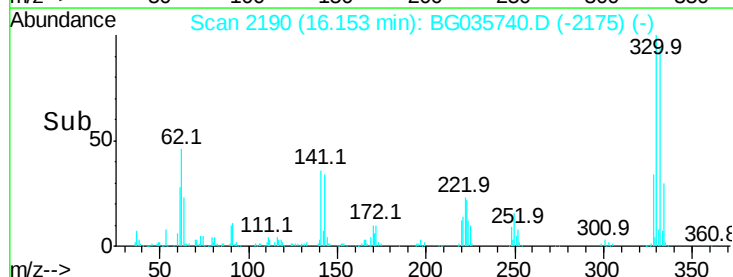
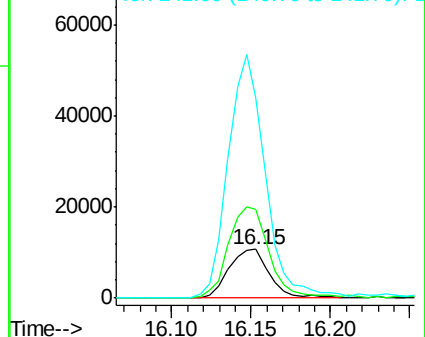
141 409.1 50.8 76.2#

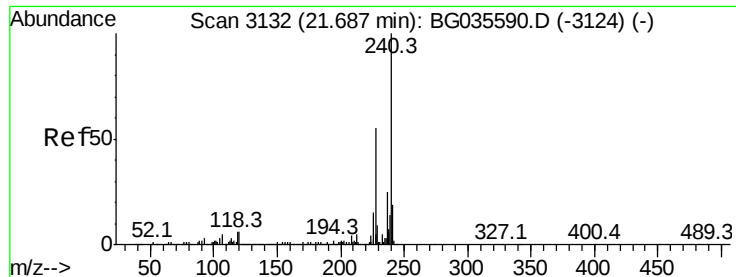


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.01 min

Lab File: BG035740.D

Acq: 19 Jul 2018 6:16

Instrument :

BNA_G

ClientSampleId :

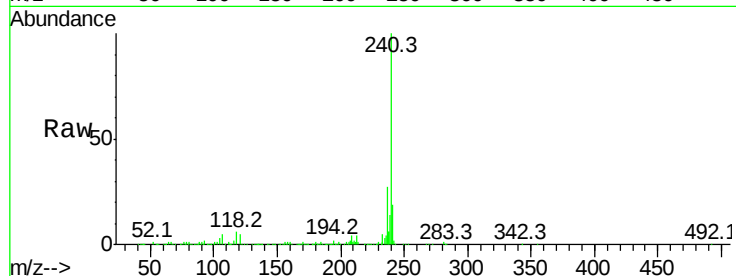
Tot Ion:240 Resp: 387738

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

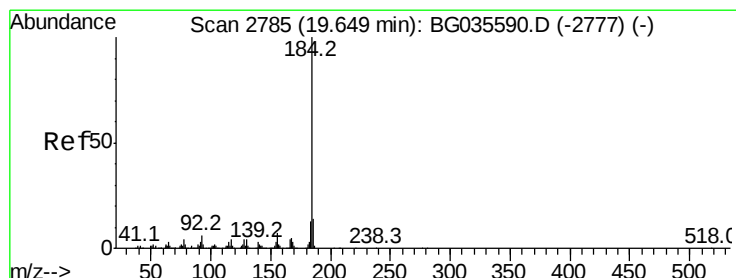
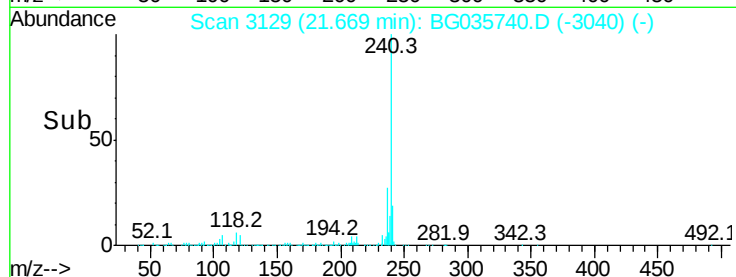
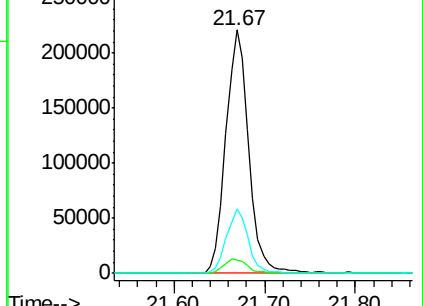
236 26.7 20.9 31.3



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: 2.826 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035740.D

Acq: 19 Jul 2018 6:16

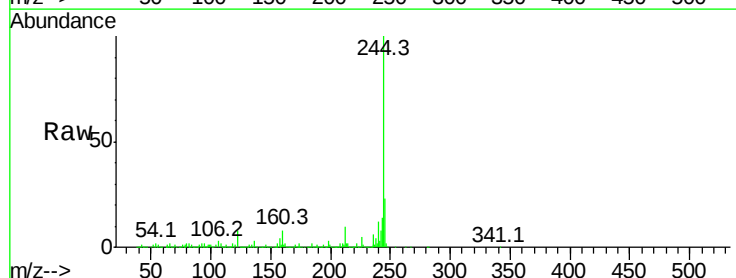
Tgt Ion:184 Resp: 28804

Ion Ratio Lower Upper

184 100

185 18.4 11.1 16.7#

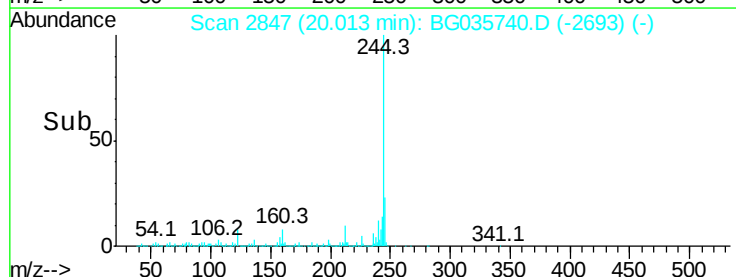
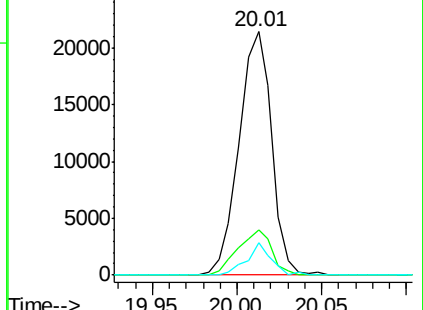
183 13.3 10.6 16.0

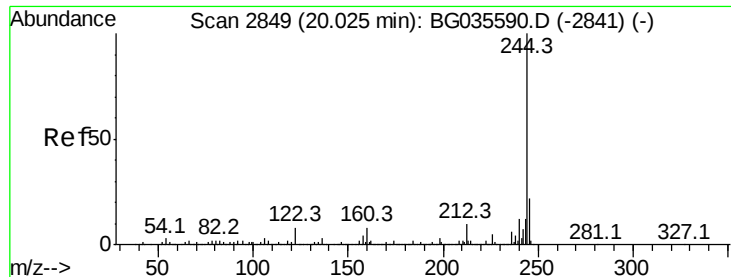


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

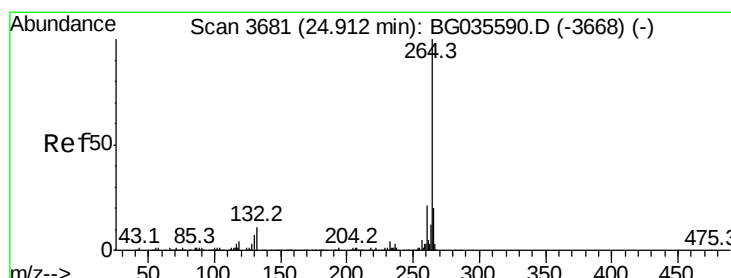
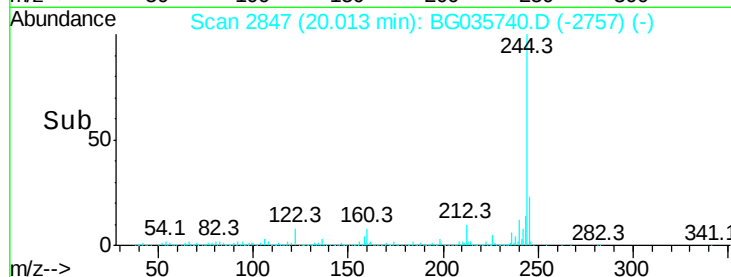
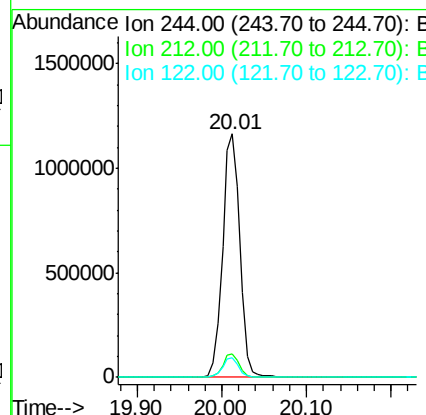
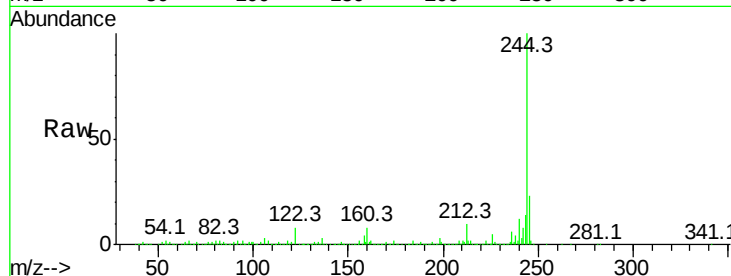




#78
 Terphenyl-d14
 Concen: 94.533 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. 0.00 min
 Lab File: BG035740.D
 Acq: 19 Jul 2018 6:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1662841
 Ion Ratio Lower Upper
 244 100
 212 9.8 5.8 8.8#
 122 7.9 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.01 min
 Lab File: BG035740.D
 Acq: 19 Jul 2018 6:16

Tgt Ion:264 Resp: 352814
 Ion Ratio Lower Upper
 264 100
 260 24.6 17.4 26.0
 265 23.9 17.7 26.5

