

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071818\
 Data File : BG035744.D
 Acq On : 19 Jul 2018 8:51
 Operator : JU/SJ
 Sample : J4016-24
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB5-L-12-7

Quant Time: Jul 19 11:54:33 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

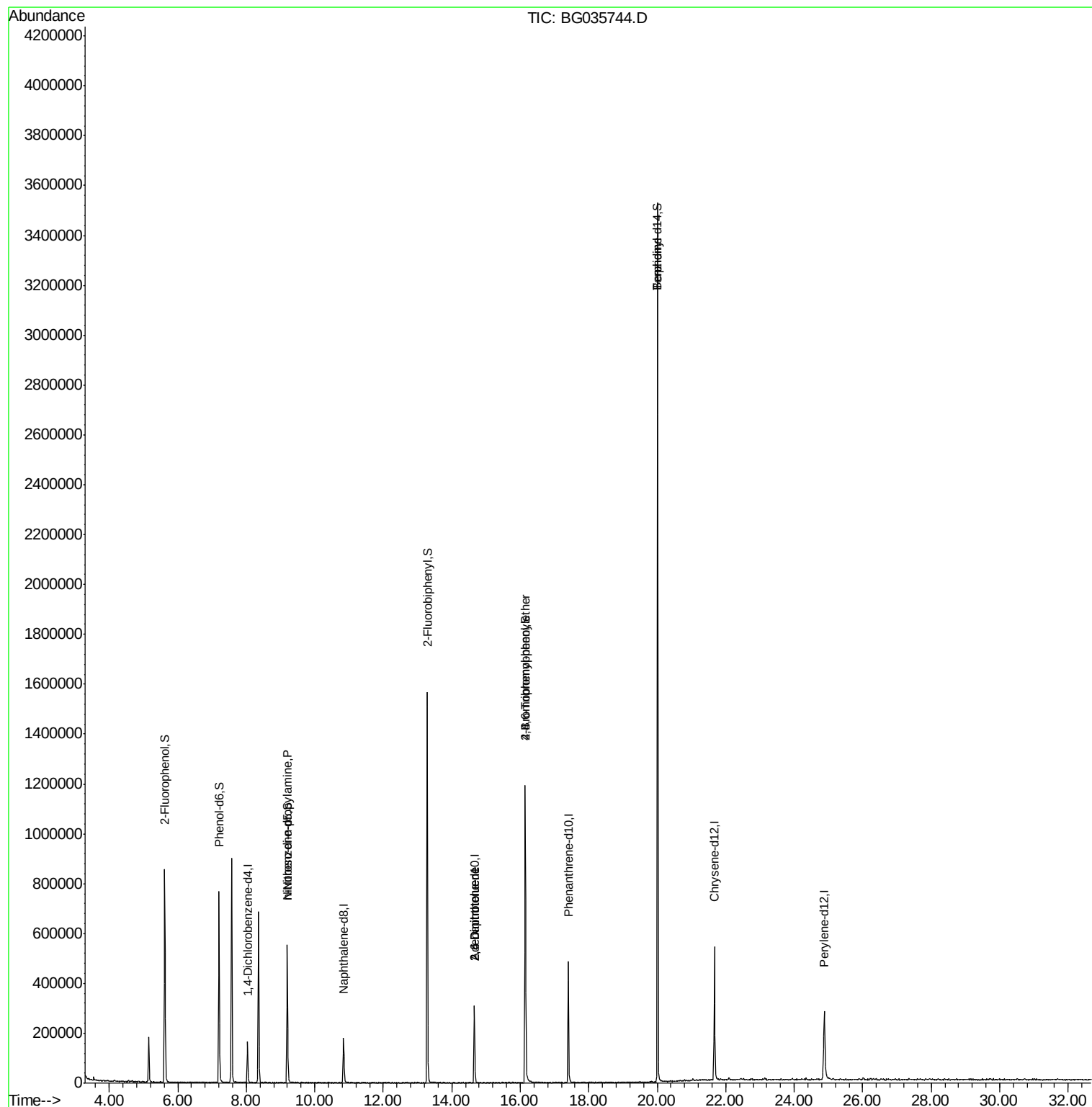
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	46308	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	162524	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	115473	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	325523	20.00	ng	0.00
75) Chrysene-d12	21.67	240	362405	20.00	ng	0.00
86) Perylene-d12	24.88	264	337942	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	367949	131.92	ng	0.00
7) Phenol-d6	7.21	99	463648	111.41	ng	0.00
23) Nitrobenzene-d5	9.20	82	378955	97.41	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	232250	152.59	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	858476	99.60	ng	0.00
78) Terphenyl-d14	20.01	244	1662709	101.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	51715	14.757	ng	# 68
50) 2,6-Dinitrotoluene	14.66	165	14955	7.259	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	14955	5.060	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	19232	5.092	ng	# 1
76) Benzidine	20.01	184	29638	3.111	ng	# 95

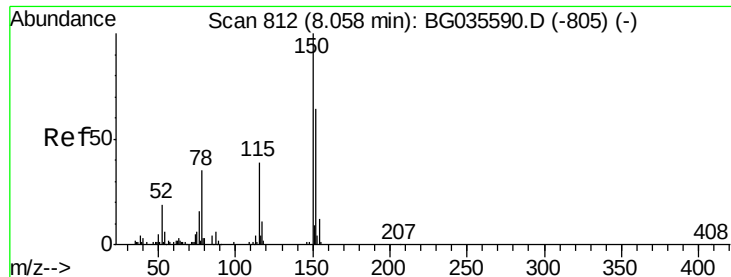
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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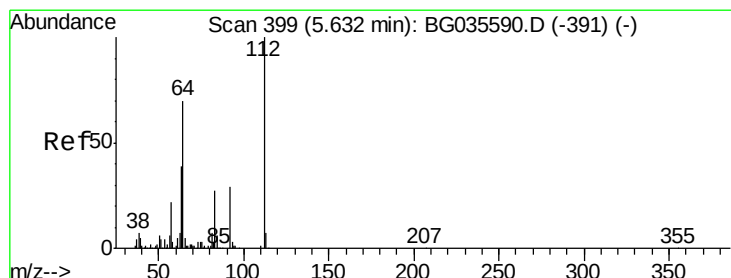
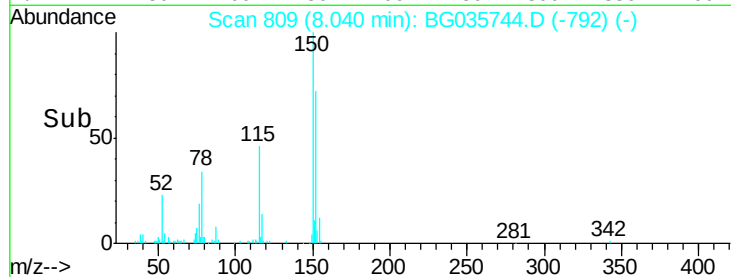
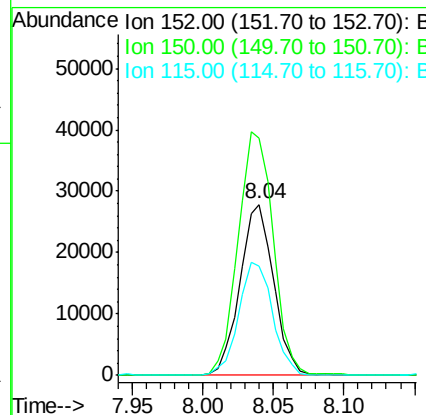
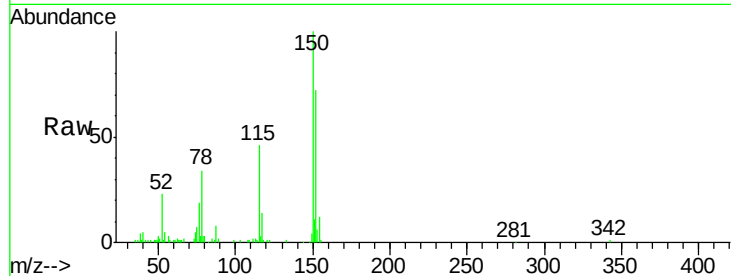


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG035744.D
Acq: 19 Jul 2018 8:51

Instrument :
BNA_G
ClientSampleId :
SB5-L-12-7

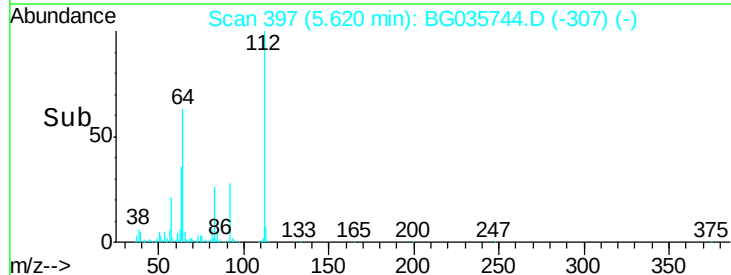
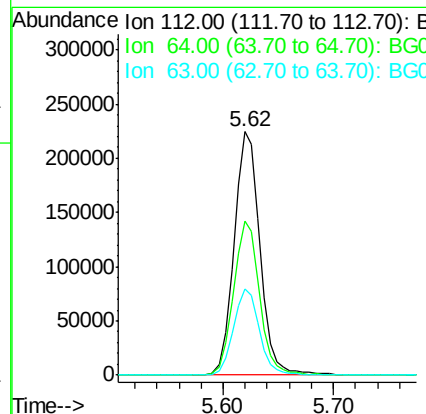
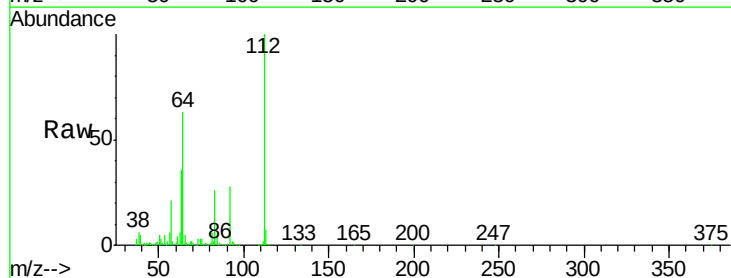
Tgt Ion:152 Resp: 46308
Ion Ratio Lower Upper
152 100
150 139.3 126.6 189.8
115 63.9 53.0 79.4

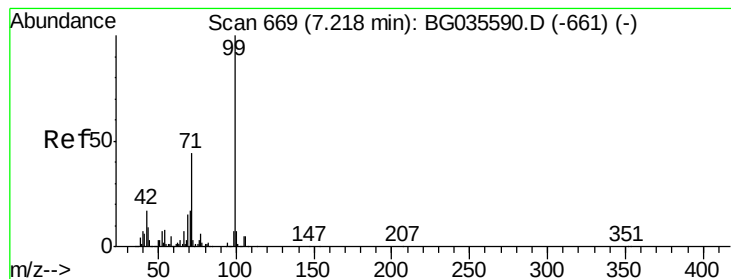


#5

2-Fluorophenol
Concen: 131.917 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG035744.D
Acq: 19 Jul 2018 8:51

Tgt Ion:112 Resp: 367949
Ion Ratio Lower Upper
112 100
64 63.5 56.3 84.5
63 35.5 30.1 45.1





#7

Phenol-d6

Concen: 111.413 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG035744.D

Acq: 19 Jul 2018 8:51

Instrument :

BNA_G

ClientSampleId :

SB5-L-12-7

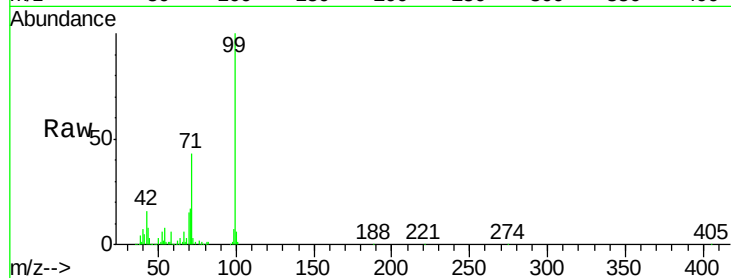
Tgt Ion: 99 Resp: 463648

Ion Ratio Lower Upper

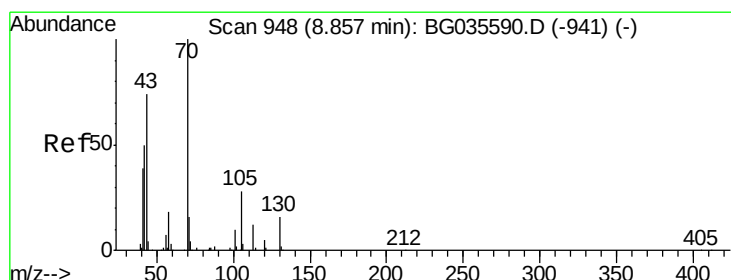
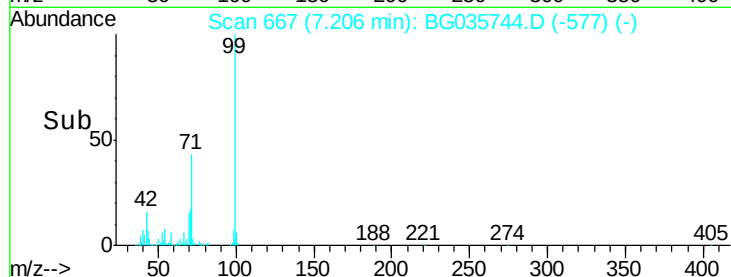
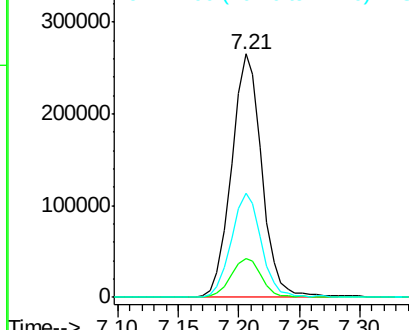
99 100

42 16.1 14.1 21.1

71 42.8 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: 14.757 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.36 min

Lab File: BG035744.D

Acq: 19 Jul 2018 8:51

Tgt Ion: 70 Resp: 51715

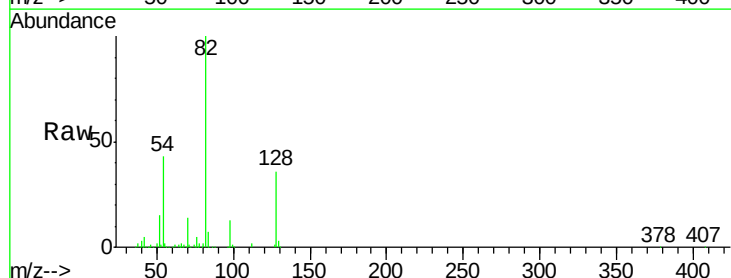
Ion Ratio Lower Upper

70 100

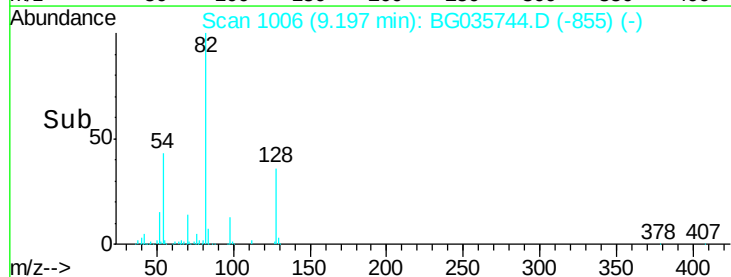
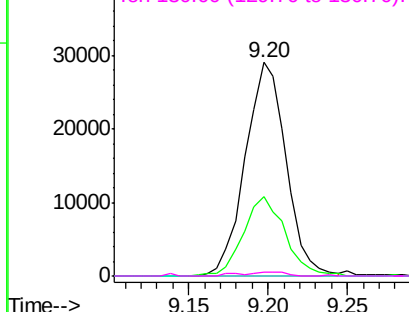
42 37.0 49.1 73.7#

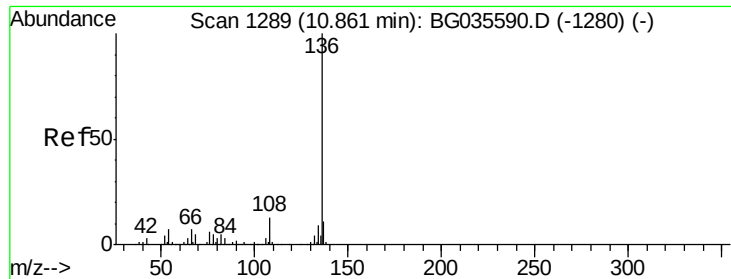
101 0.0 8.5 12.7#

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

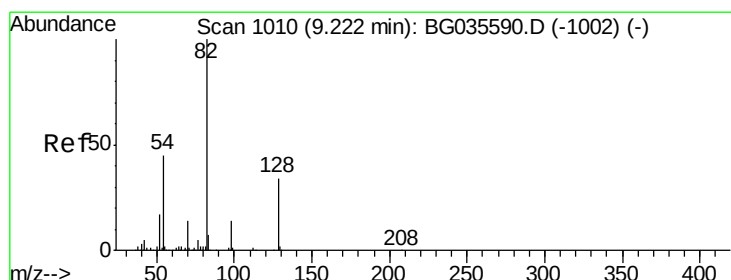
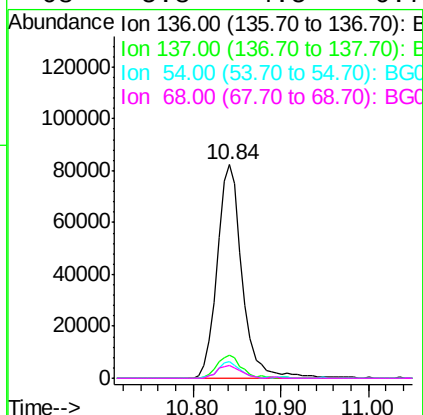
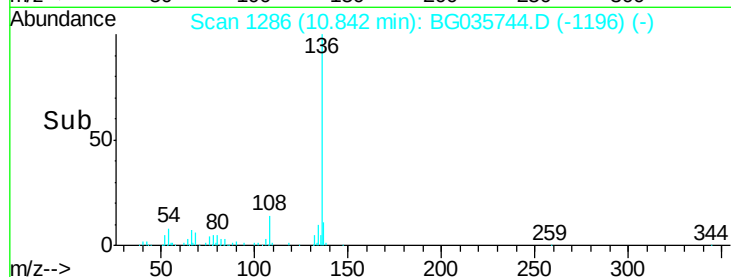
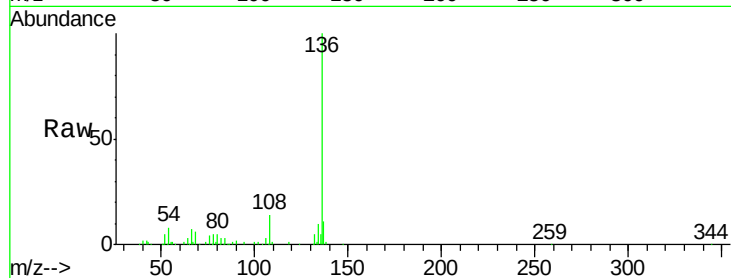




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BG035744.D
Acq: 19 Jul 2018 8:51

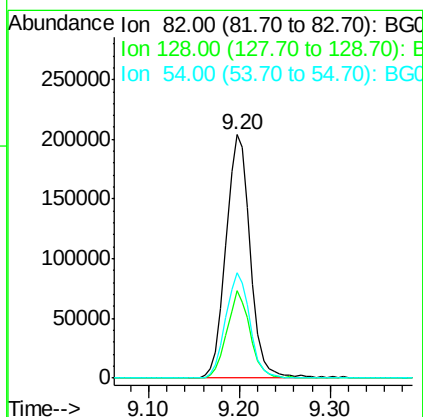
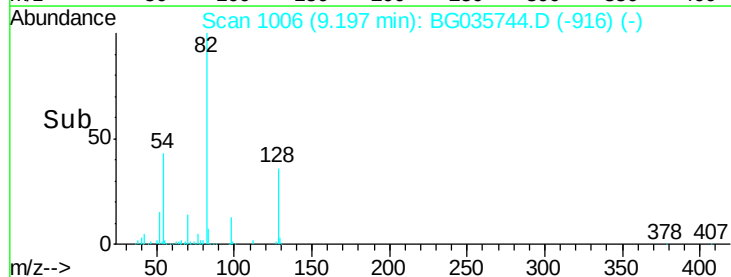
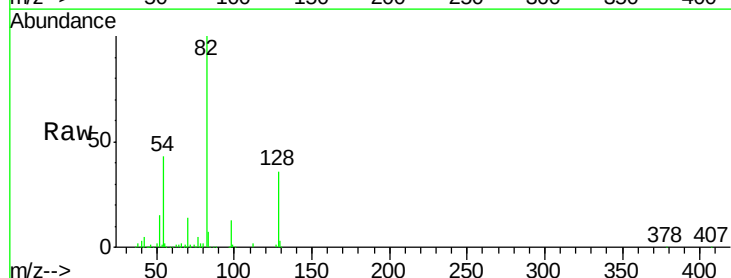
Instrument :
BNA_G
ClientSampleId :
SB5-L-12-7

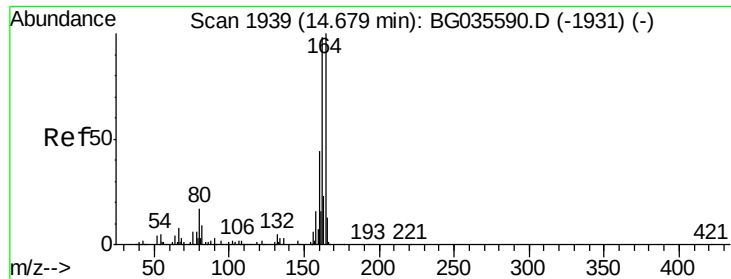
Tgt Ion:	136	Resp:	162524
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.8	10.3	15.5#
68	5.8	4.5	6.7



#23
Nitrobenzene-d5
Concen: 97.406 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BG035744.D
Acq: 19 Jul 2018 8:51

Tgt Ion:	82	Resp:	378955
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.7	44.5
54	43.3	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BG035744.D

Acq: 19 Jul 2018 8:51

Instrument :

BNA_G

ClientSampleId :

SB5-L-12-7

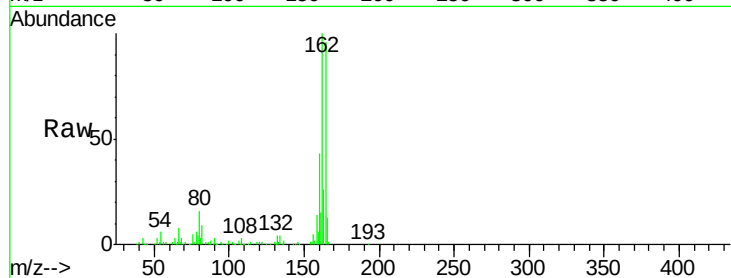
Tgt Ion:164 Resp: 115473

Ion Ratio Lower Upper

164 100

162 103.6 78.8 118.2

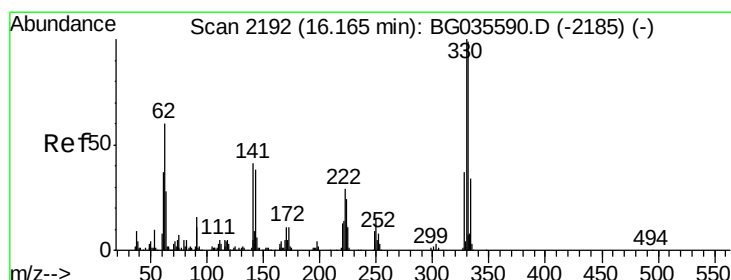
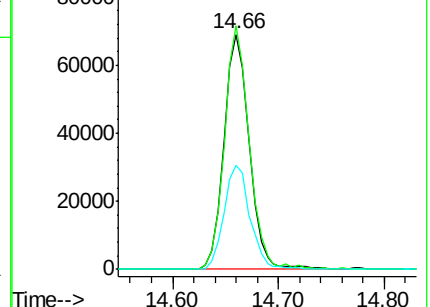
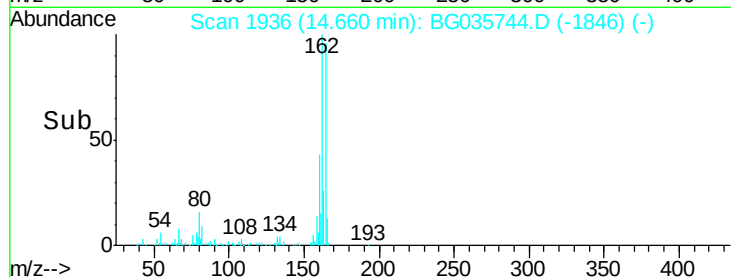
160 44.5 35.4 53.0



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: 152.594 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.00 min

Lab File: BG035744.D

Acq: 19 Jul 2018 8:51

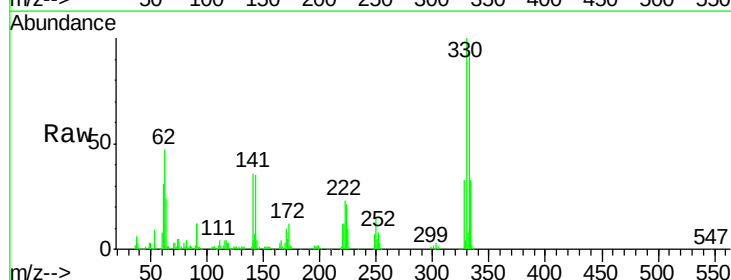
Tgt Ion:330 Resp: 232250

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

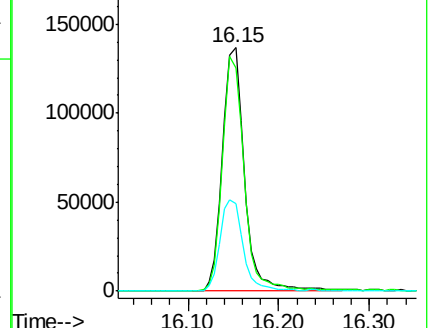
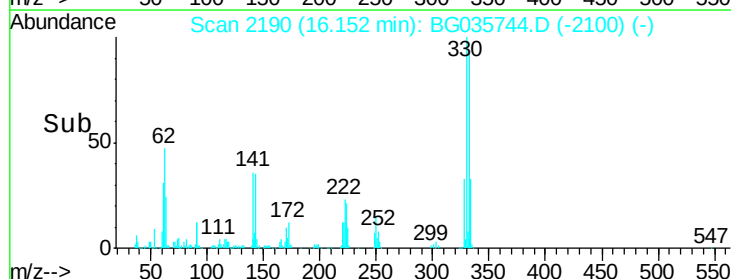
141 39.0 25.2 37.8#

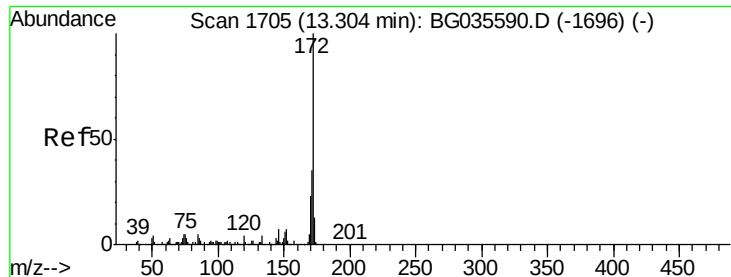


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

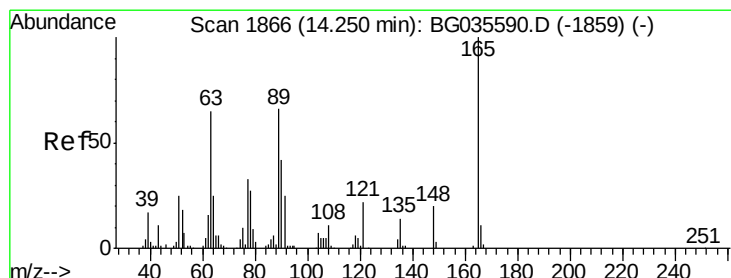
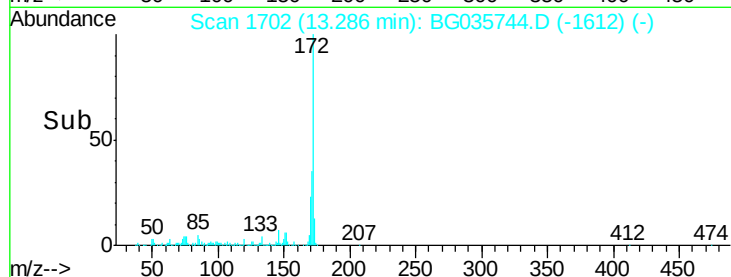
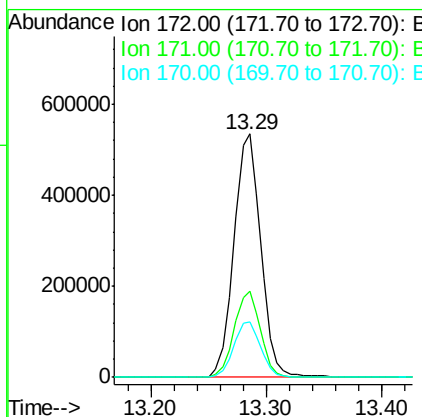
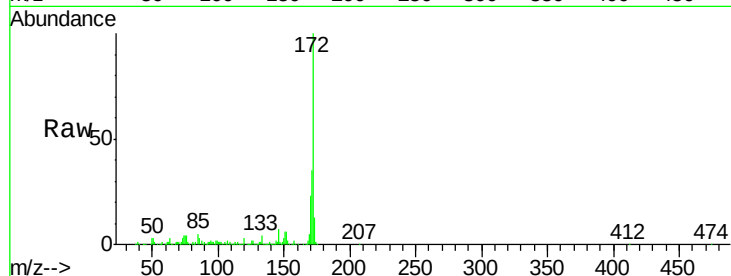




#44
 2-Fluorobiphenyl
 Concen: 99.602 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: BG035744.D
 Acq: 19 Jul 2018 8:51

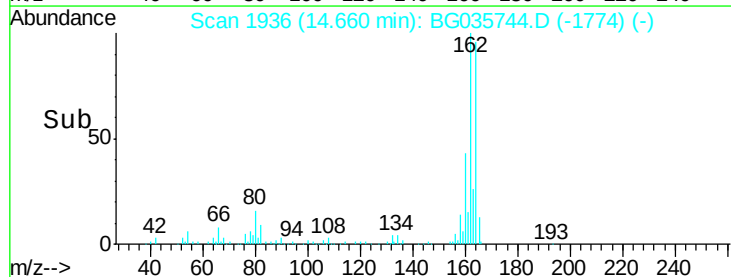
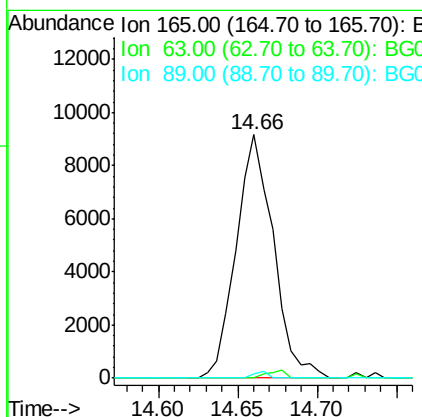
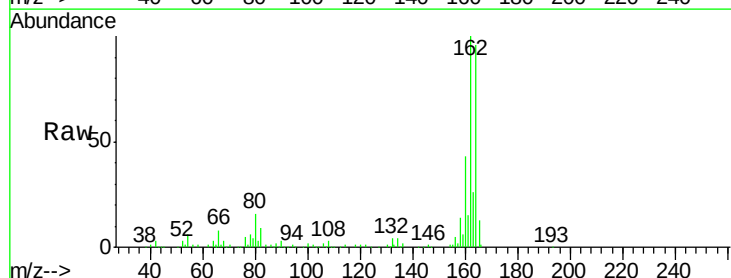
Instrument :
 BNA_G
 ClientSampleId :
 SB5-L-12-7

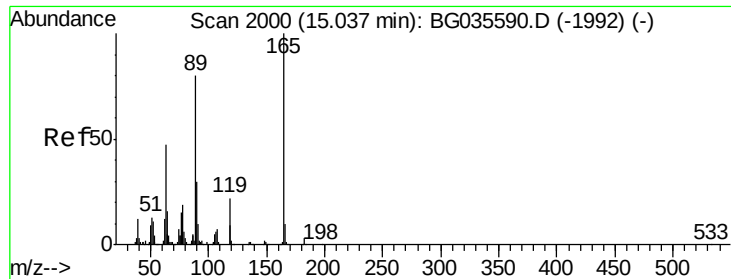
Tgt Ion:172 Resp: 858476
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.0 45.0
 170 22.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.259 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG035744.D
 Acq: 19 Jul 2018 8:51

Tgt Ion:165 Resp: 14955
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.9 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.060 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.36 min

Lab File: BG035744.D

Acq: 19 Jul 2018 8:51

Instrument :

BNA_G

ClientSampleId :

SB5-L-12-7

Tgt Ion:165 Resp: 14955

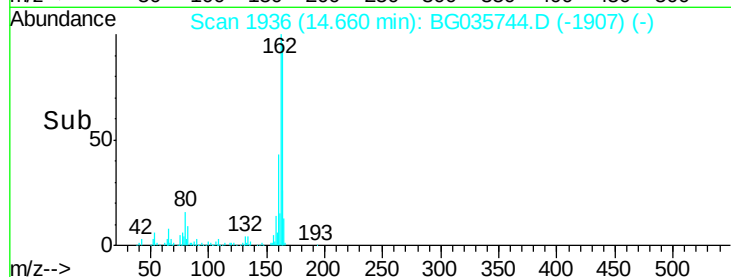
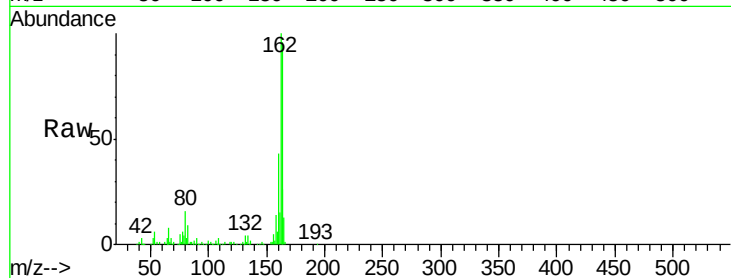
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

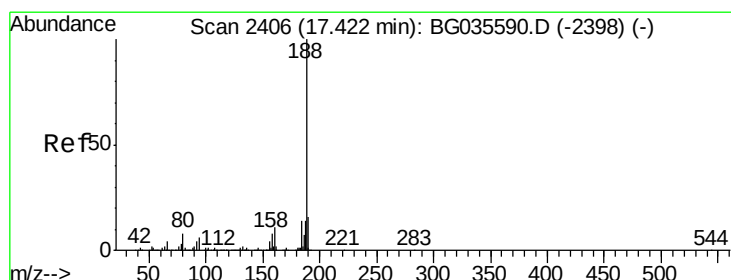
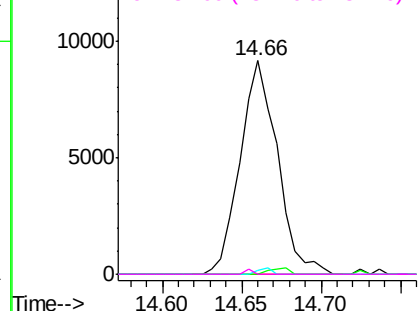


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG035744.D

Acq: 19 Jul 2018 8:51

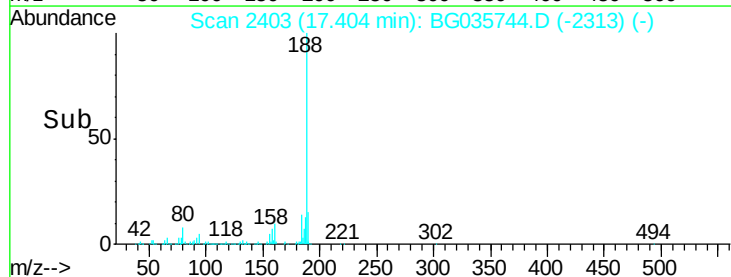
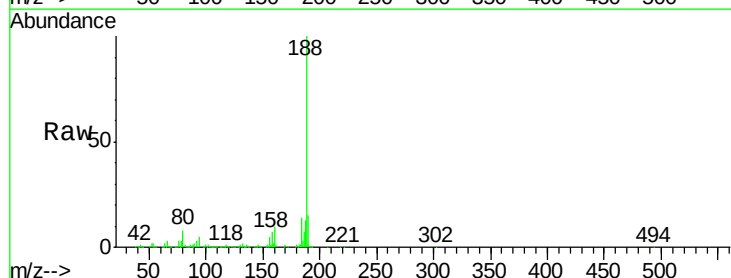
Tgt Ion:188 Resp: 325523

Ion Ratio Lower Upper

188 100

94 4.8 6.9 10.3#

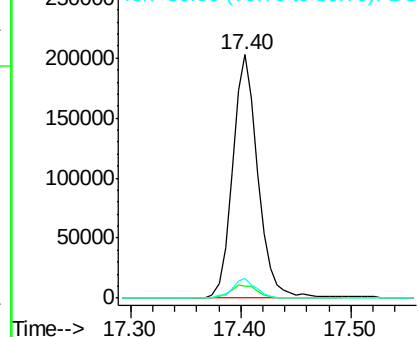
80 8.0 7.7 11.5

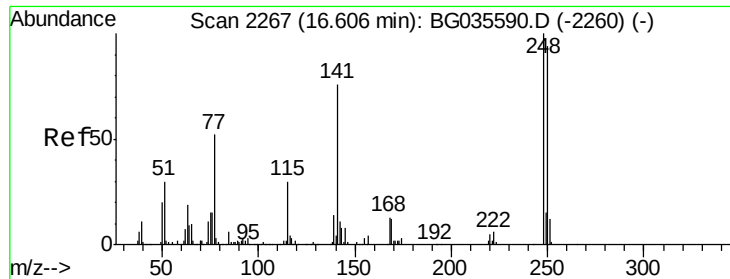


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

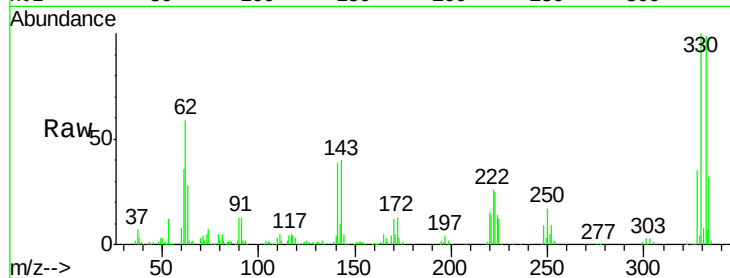




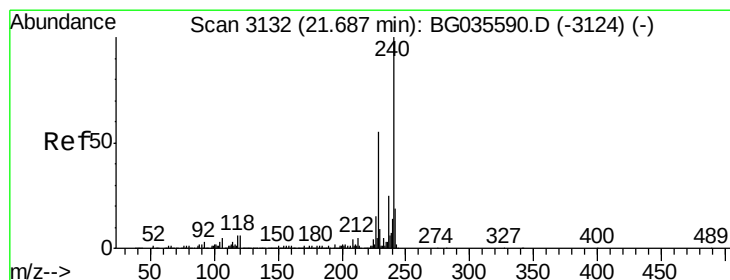
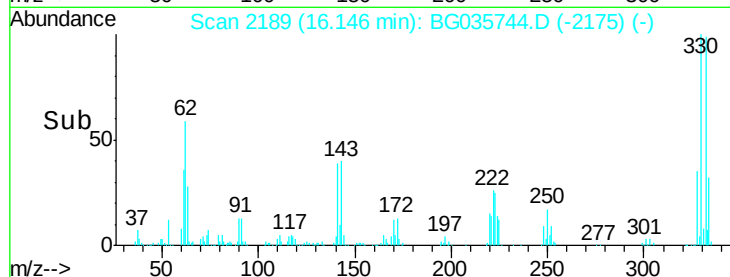
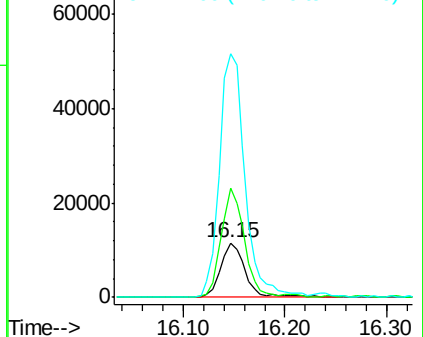
#66
 4-Bromophenyl-phenylether
 Concen: 5.092 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.45 min
 Lab File: BG035744.D
 Acq: 19 Jul 2018 8:51

Instrument :
 BNA_G
 ClientSampleId :
 SB5-L-12-7

Tgt Ion:248 Resp: 19232
 Ion Ratio Lower Upper
 248 100
 250 200.9 77.1 115.7#
 141 447.5 50.8 76.2#

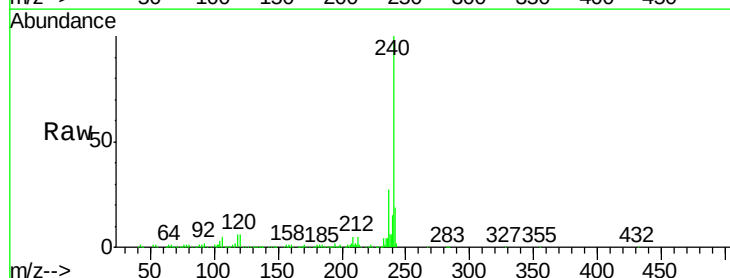


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

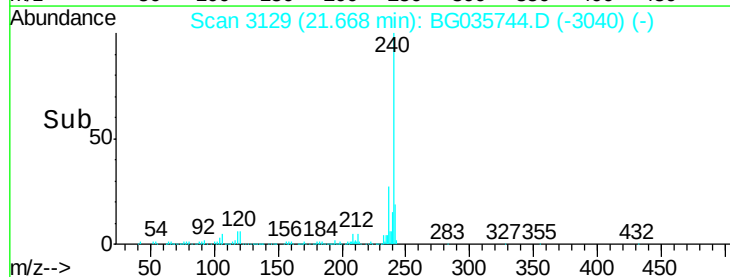
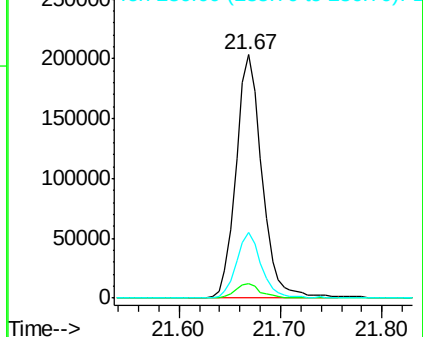


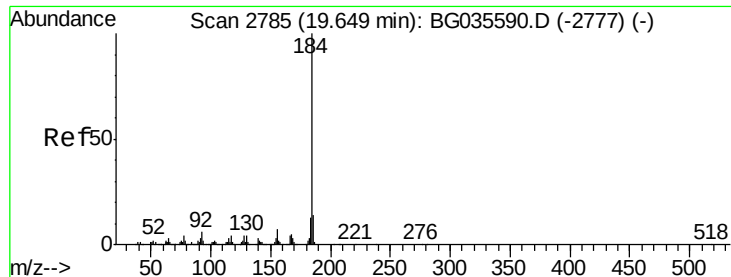
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG035744.D
 Acq: 19 Jul 2018 8:51

Tgt Ion:240 Resp: 362405
 Ion Ratio Lower Upper
 240 100
 120 6.1 6.8 10.2#
 236 27.2 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: 3.111 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.38 min

Lab File: BG035744.D

Acq: 19 Jul 2018 8:51

Instrument :

BNA_G

ClientSampleId :

SB5-L-12-7

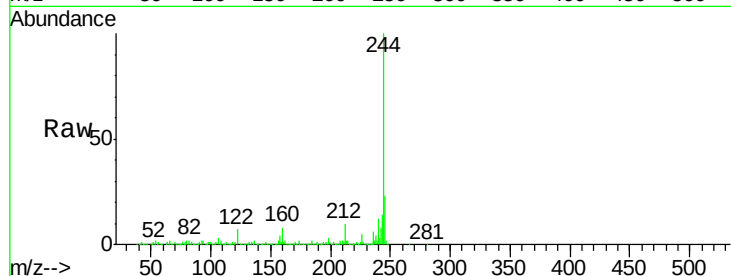
Tgt Ion:184 Resp: 29638

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

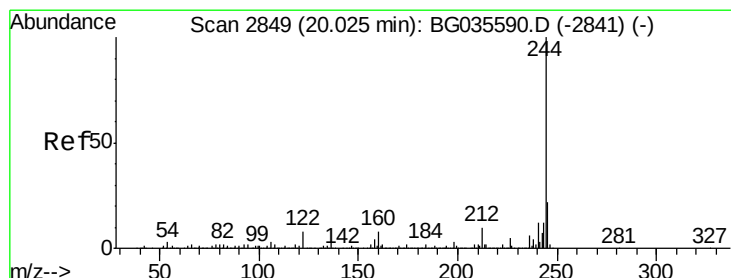
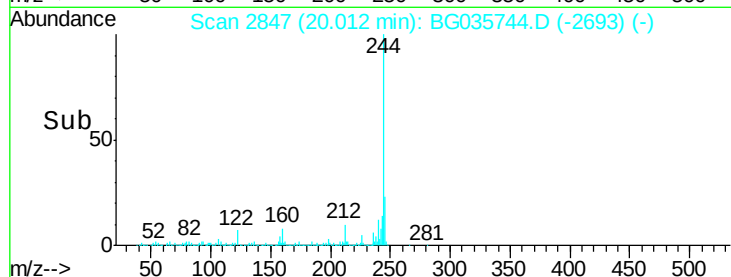
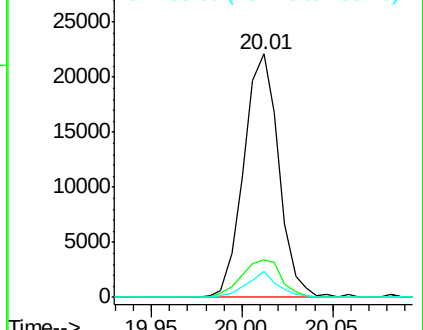
183 10.5 10.6 16.0#



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: 101.133 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BG035744.D

Acq: 19 Jul 2018 8:51

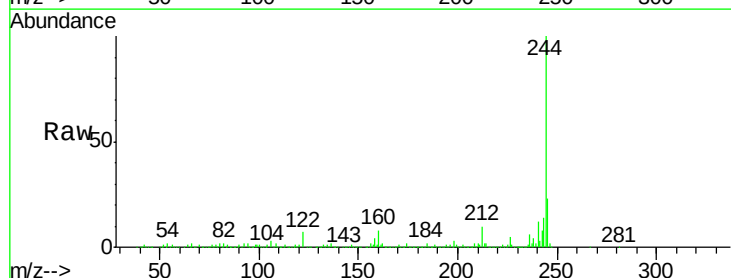
Tgt Ion:244 Resp: 1662709

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

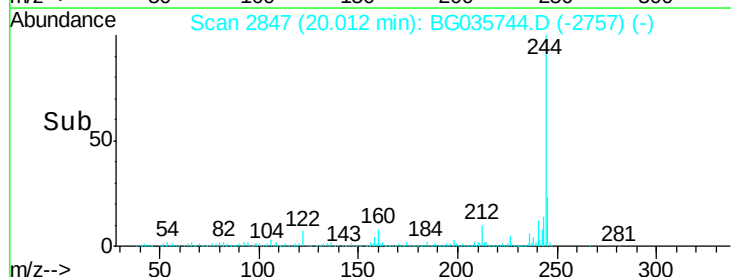
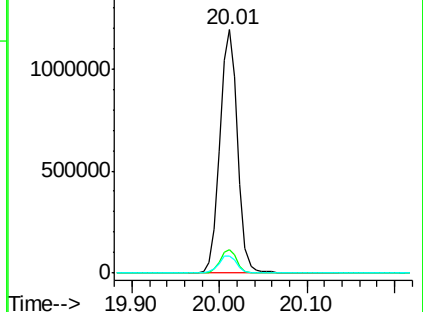
122 7.2 7.0 10.4

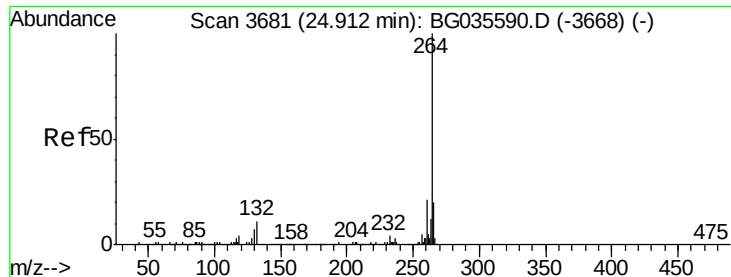


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.01 min
 Lab File: BG035744.D
 Acq: 19 Jul 2018 8:51

Instrument :
 BNA_G
 ClientSampleId :
 SB5-L-12-7

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.4	26.0
265	20.4	17.7	26.5

