

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071718\
 Data File : BG035701.D
 Acq On : 18 Jul 2018 3:49
 Operator : JU/SJ
 Sample : J3990-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 071218-DBRI-F-D-B

Quant Time: Jul 18 04:35:21 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

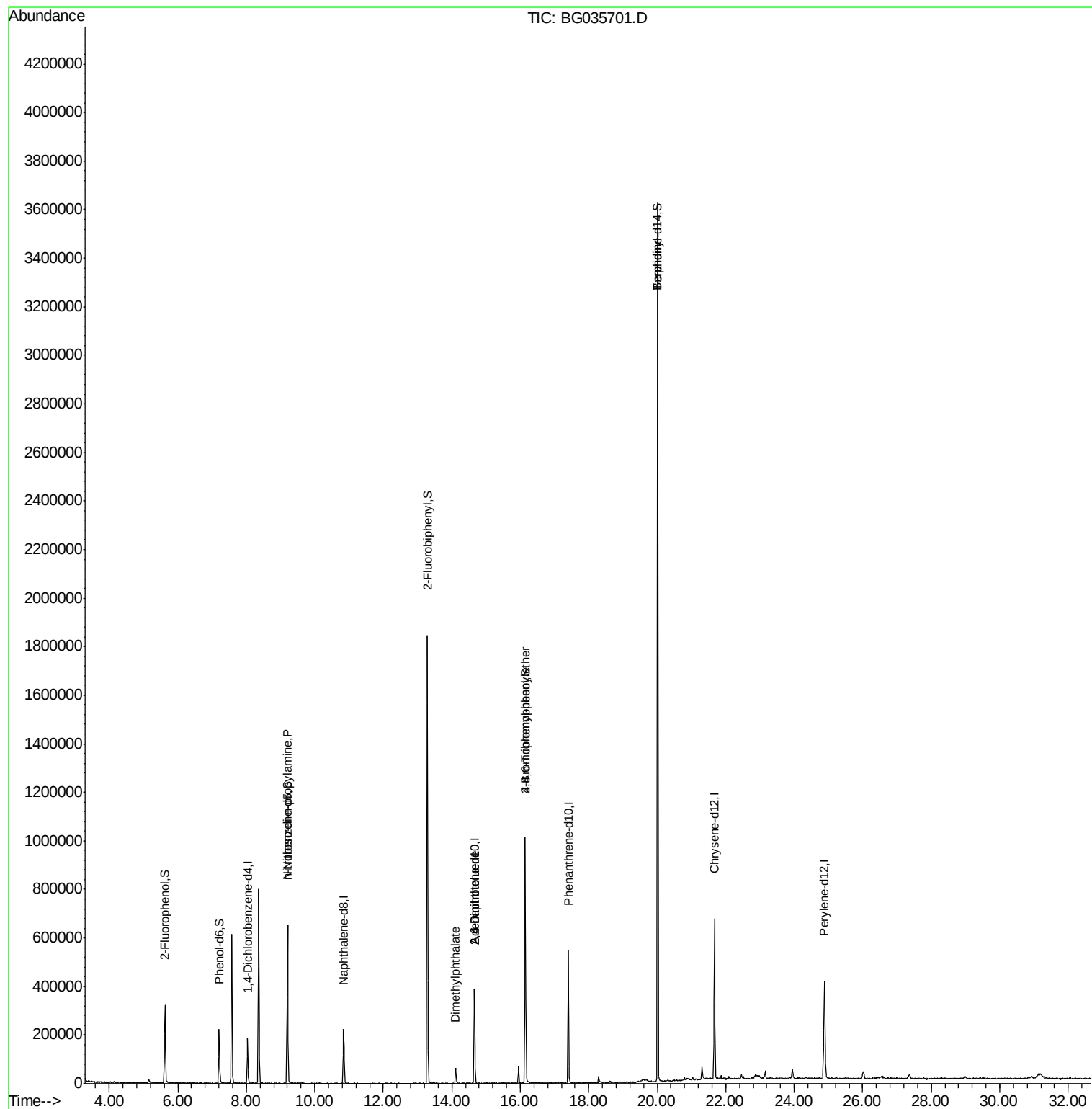
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	53777	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	194086	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	132333	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	370754	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	419308	20.00	ng	-0.02
86) Perylene-d12	24.88	264	401774	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	148913	45.97	ng	0.00
7) Phenol-d6	7.21	99	148457	30.72	ng	-0.01
23) Nitrobenzene-d5	9.20	82	444045	95.58	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	189662	108.74	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	1002504	101.49	ng	-0.02
78) Terphenyl-d14	20.01	244	1710541	89.92	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	61897	15.210	ng	Qvalue # 68
49) Dimethylphthalate	14.11	163	51534	4.445	ng	# 99
50) 2,6-Dinitrotoluene	14.66	165	18502	7.836	ng	# 23
56) 2,4-Dinitrotoluene	14.66	165	18502	5.462	ng	# 21
66) 4-Bromophenyl-phenylether	16.15	248	16362	3.804	ng	# 1
76) Benzidine	20.01	184	29927	2.715	ng	# 93

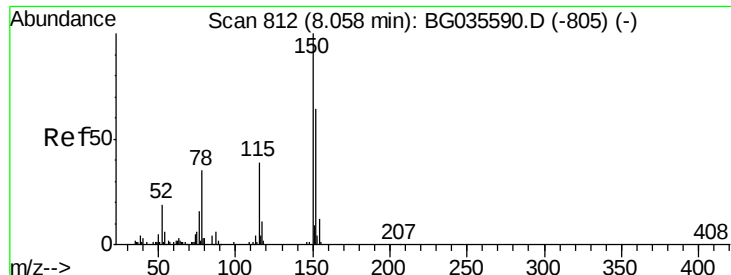
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.02 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-B

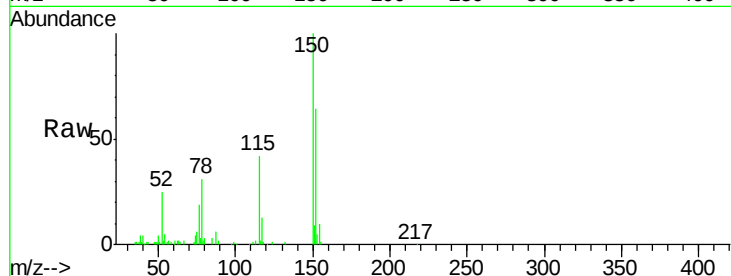
Tgt Ion:152 Resp: 53777

Ion Ratio Lower Upper

152 100

150 156.8 126.6 189.8

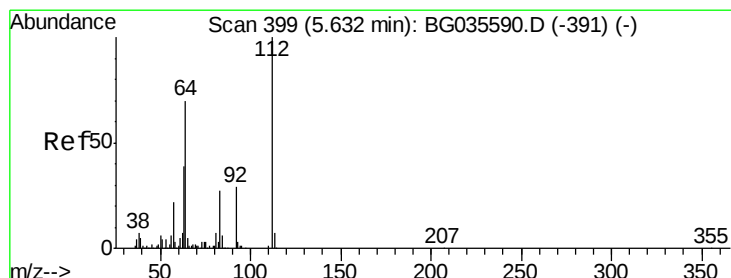
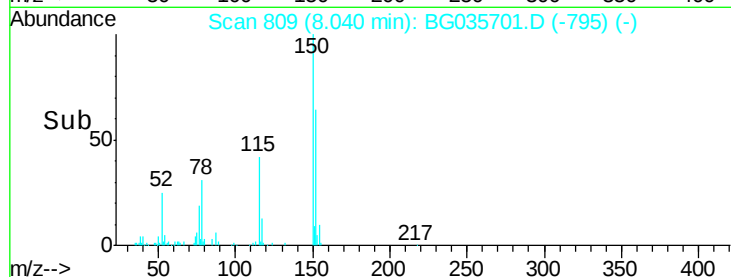
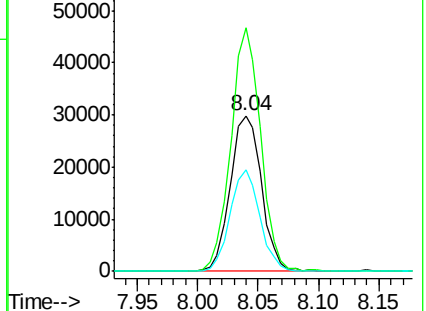
115 65.8 53.0 79.4



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: 45.973 ng

RT: 5.63 min Scan# 398

Delta R.T. -0.01 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

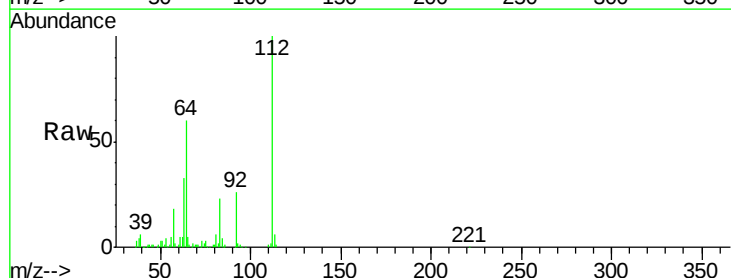
Tgt Ion:112 Resp: 148913

Ion Ratio Lower Upper

112 100

64 59.6 56.3 84.5

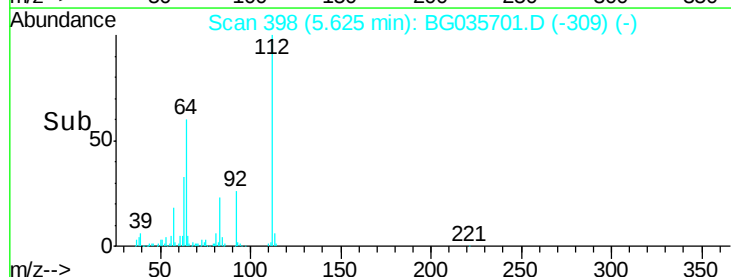
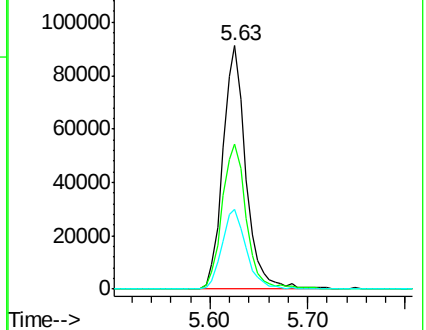
63 33.0 30.1 45.1

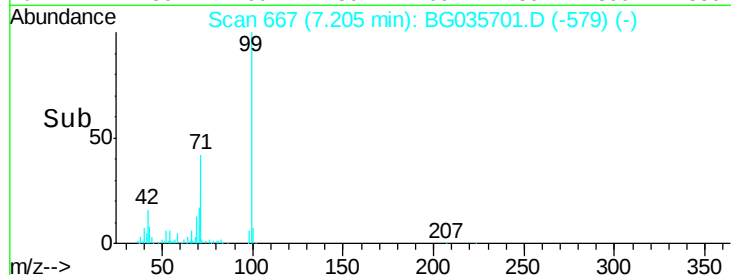
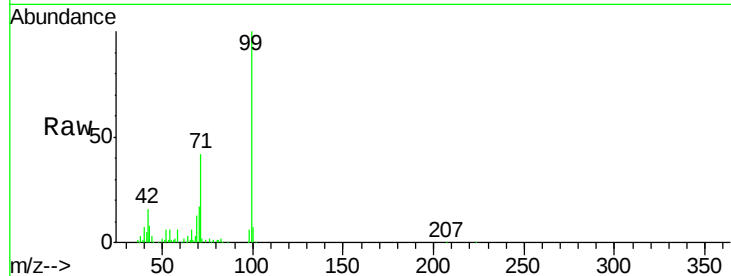
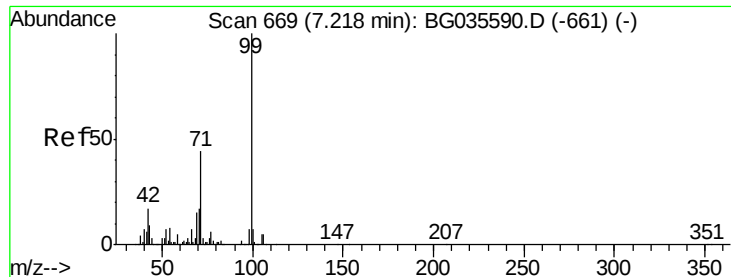


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 30.719 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-B

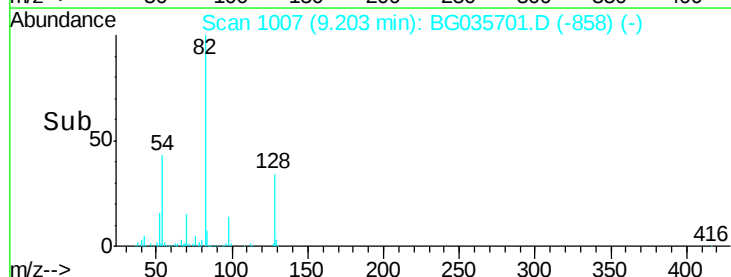
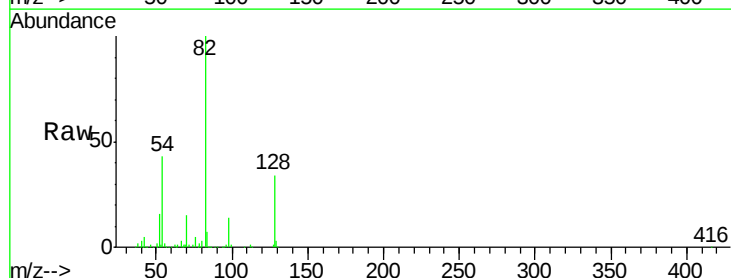
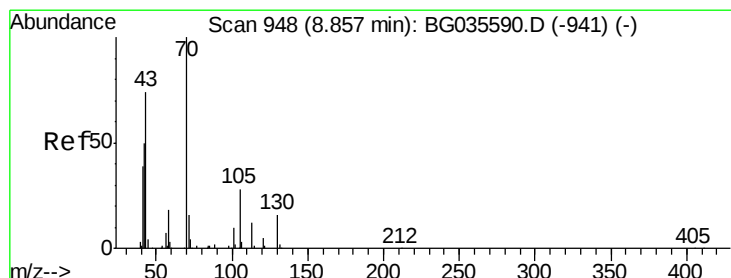
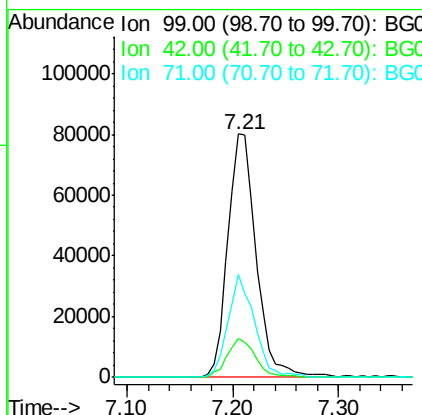
Tgt Ion: 99 Resp: 148457

Ion Ratio Lower Upper

99 100

42 15.8 14.1 21.1

71 42.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.210 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

Tgt Ion: 70 Resp: 61897

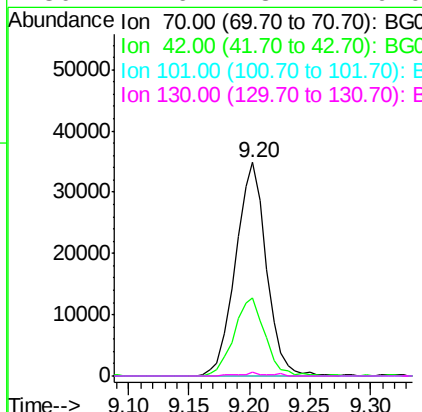
Ion Ratio Lower Upper

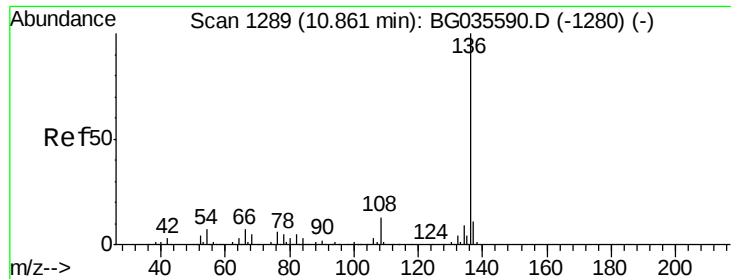
70 100

42 36.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

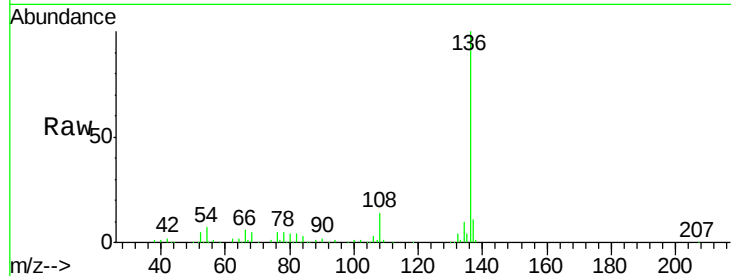




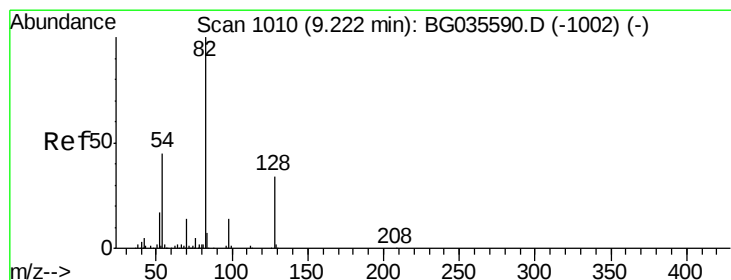
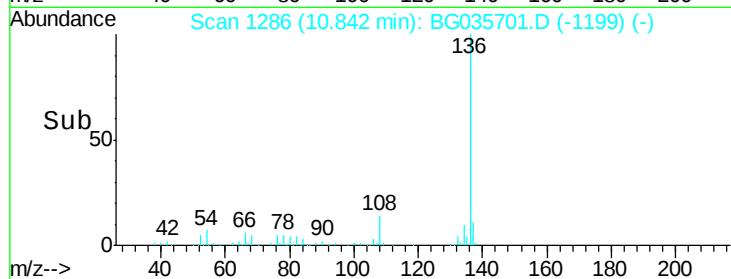
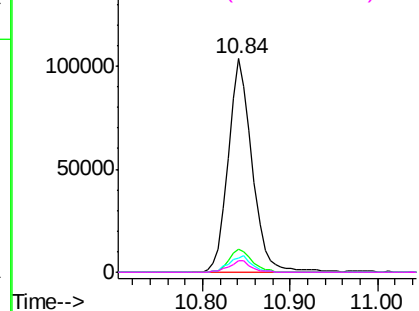
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BG035701.D
Acq: 18 Jul 2018 3:49

Instrument :
BNA_G
ClientSampleId :
071218-DBRI-F-D-B

Tgt Ion:	136	Resp:	194086
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	6.8	10.3	15.5#
68	5.2	4.5	6.7

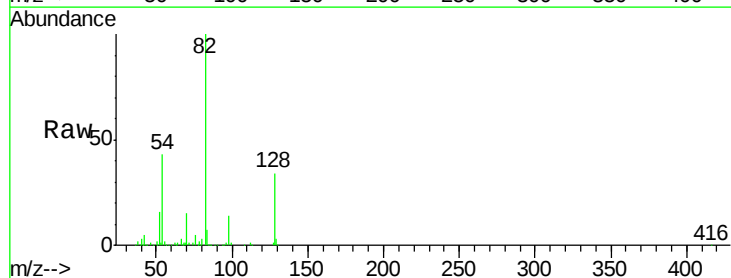


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

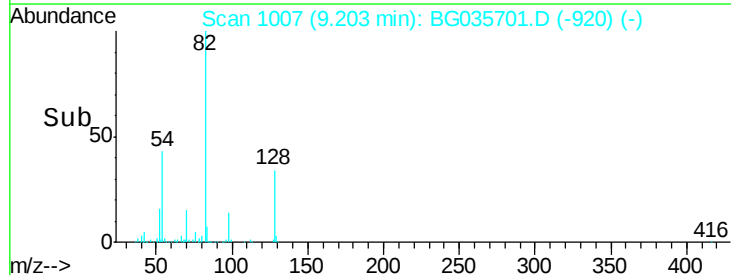
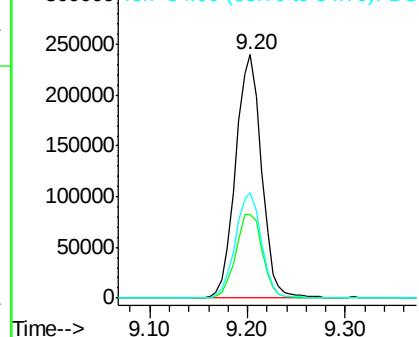


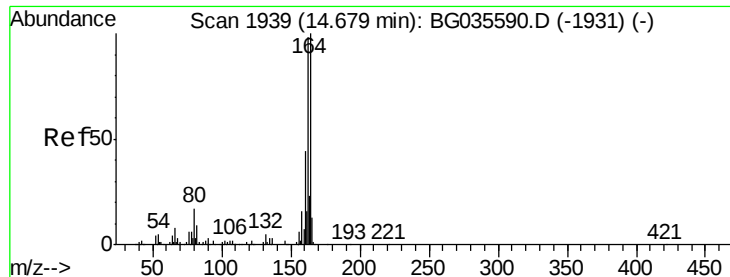
#23
Nitrobenzene-d5
Concen: 95.575 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BG035701.D
Acq: 18 Jul 2018 3:49

Tgt Ion:	82	Resp:	444045
Ion	Ratio	Lower	Upper
82	100		
128	34.2	29.7	44.5
54	43.1	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: 14.66 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-B

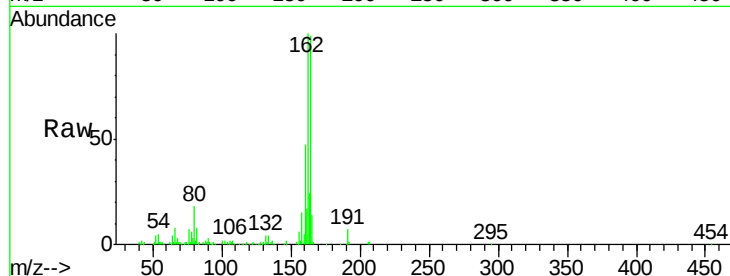
Tgt Ion:164 Resp: 132333

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

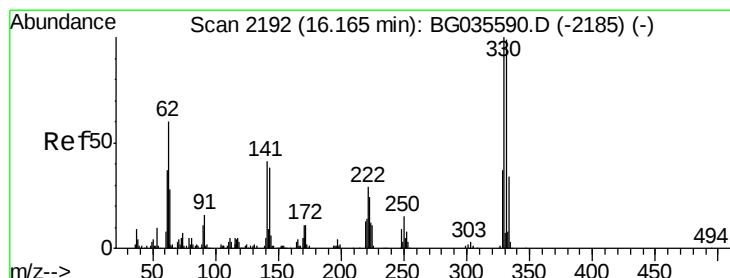
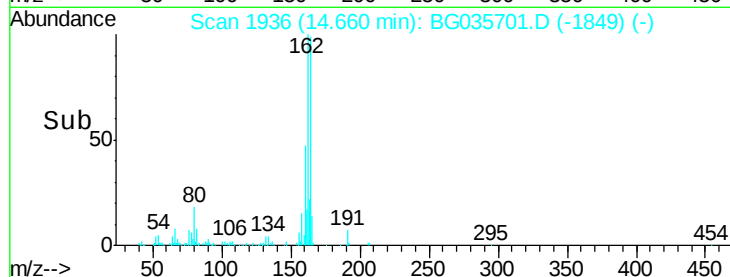
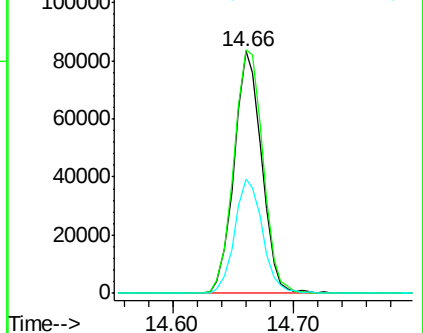
160 47.0 35.4 53.0



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: 108.737 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

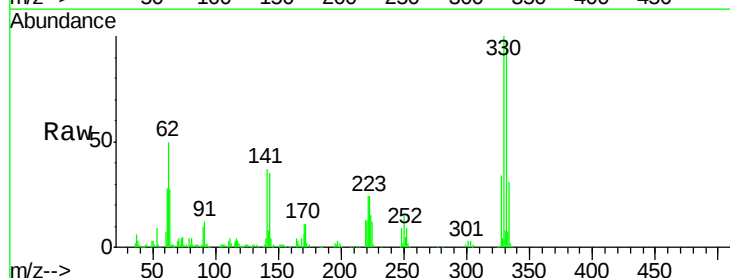
Tgt Ion:330 Resp: 189662

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

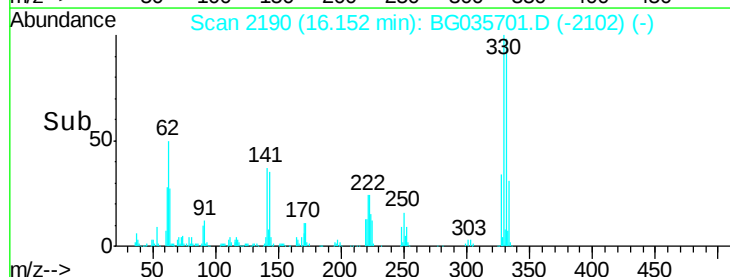
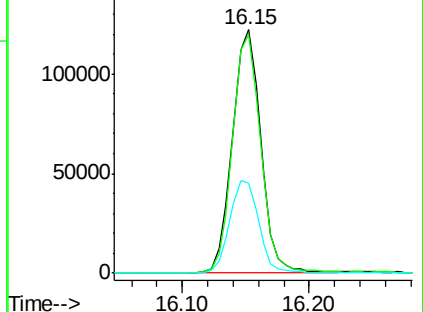
141 39.2 25.2 37.8#

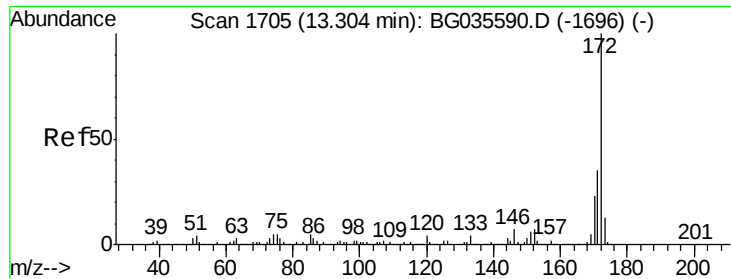


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

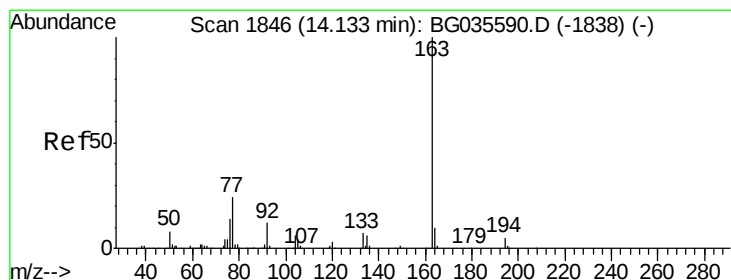
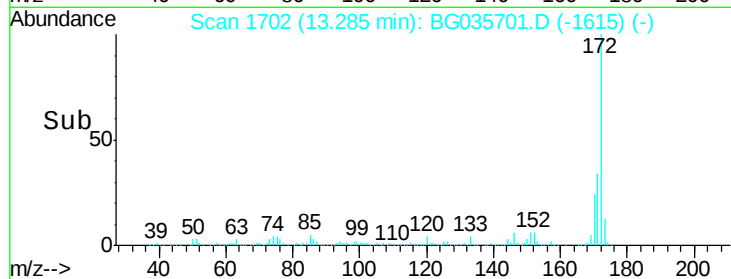
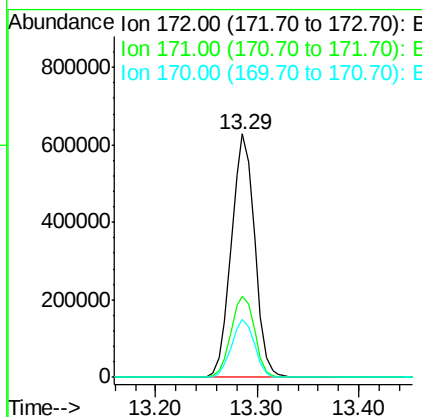
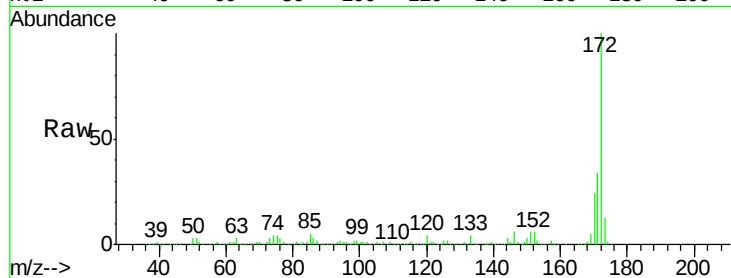




#44
2-Fluorobiphenyl
Concen: 101.494 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.02 min
Lab File: BG035701.D
Acq: 18 Jul 2018 3:49

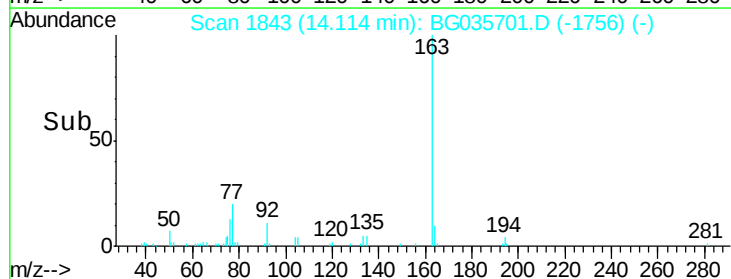
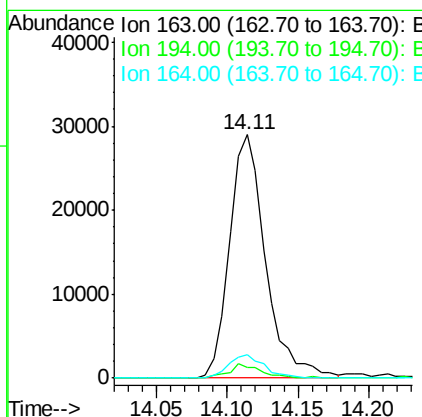
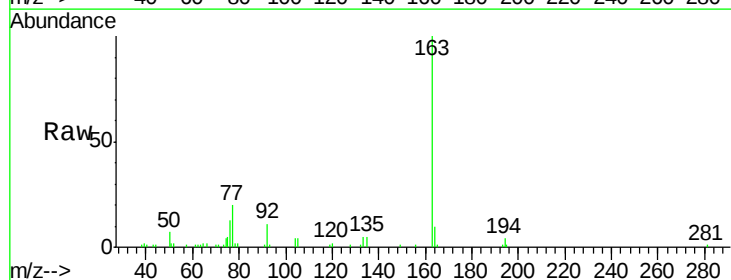
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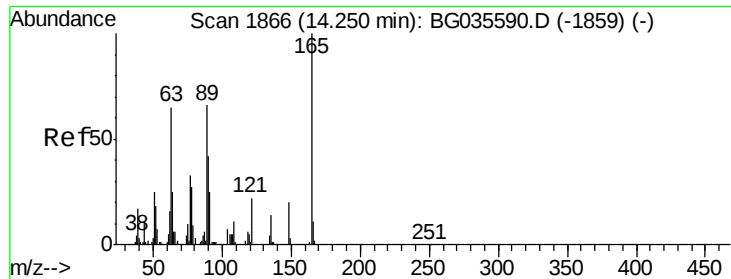
Tgt Ion:172 Resp: 1002504
Ion Ratio Lower Upper
172 100
171 33.5 30.0 45.0
170 23.7 19.5 29.3



#49
Dimethylphthalate
Concen: 4.445 ng
RT: 14.11 min Scan# 1843
Delta R.T. -0.02 min
Lab File: BG035701.D
Acq: 18 Jul 2018 3:49

Tgt Ion:163 Resp: 51534
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 9.6 8.2 12.4

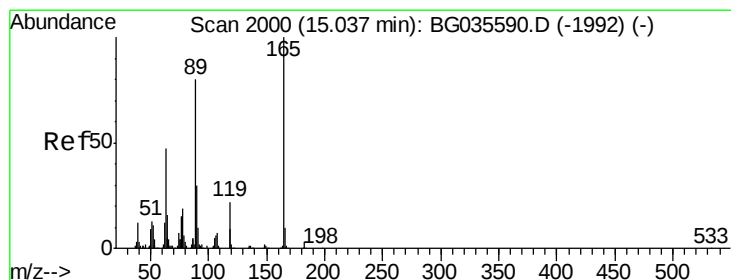
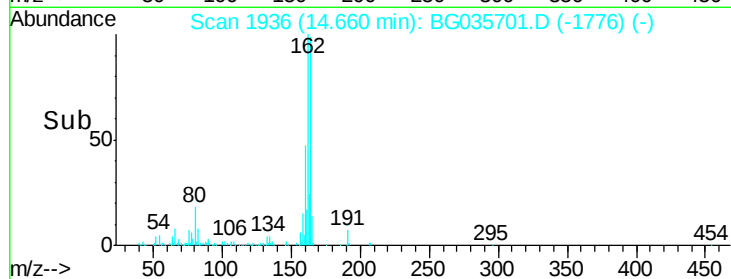
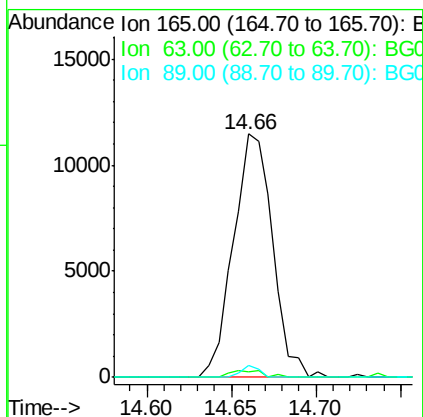
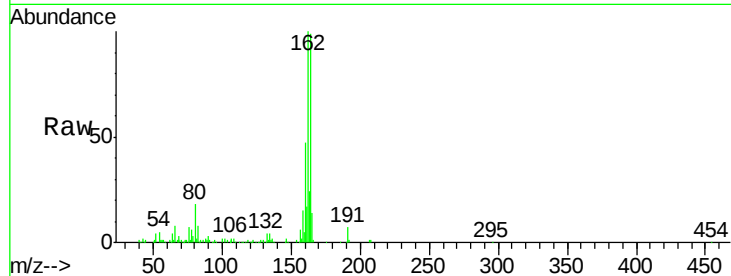




#50
 2,6-Dinitrotoluene
 Concen: 7.836 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.41 min
 Lab File: BG035701.D
 Acq: 18 Jul 2018 3:49

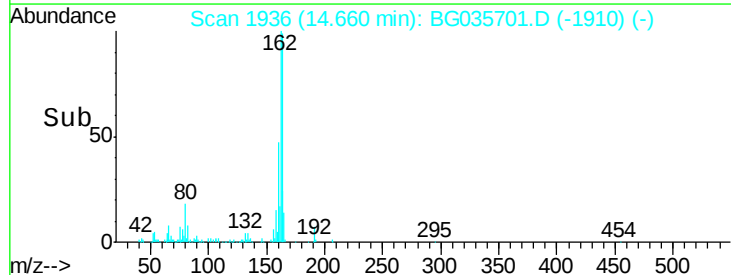
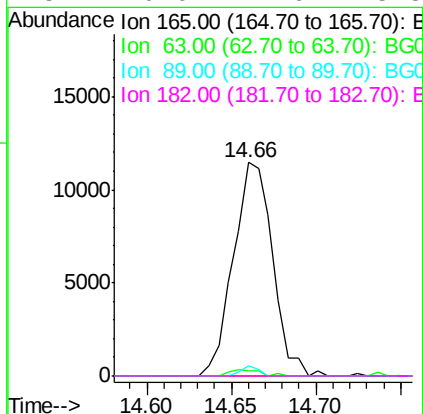
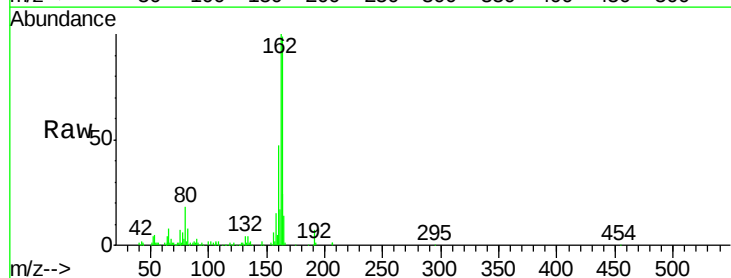
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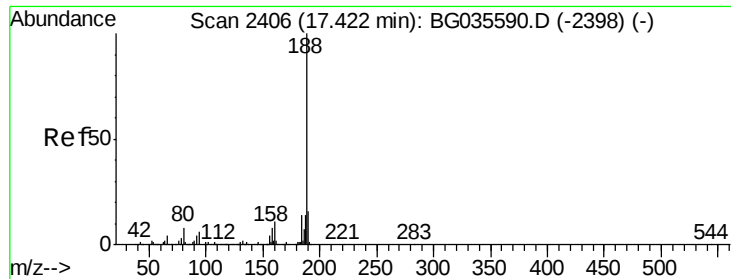
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	52.7	79.1#
89	5.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.462 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.38 min
 Lab File: BG035701.D
 Acq: 18 Jul 2018 3:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	42.0	63.0#
89	5.0	66.9	100.3#
182	0.0	2.6	3.8#

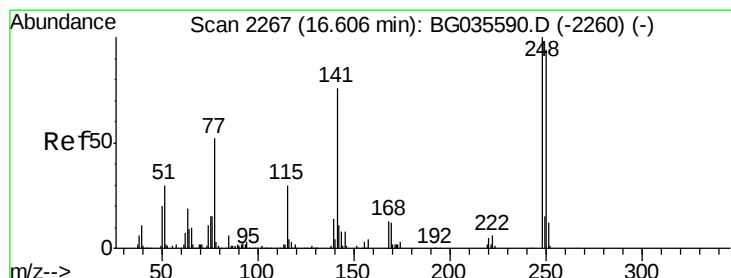
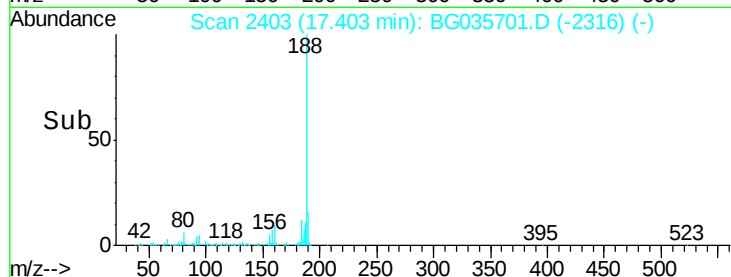
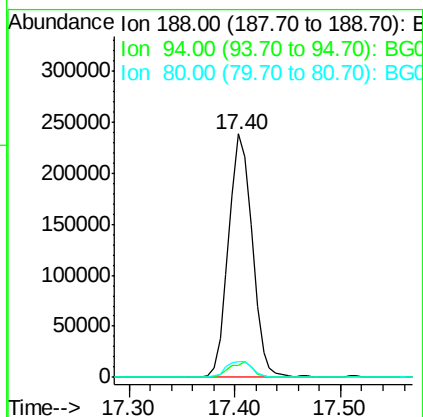
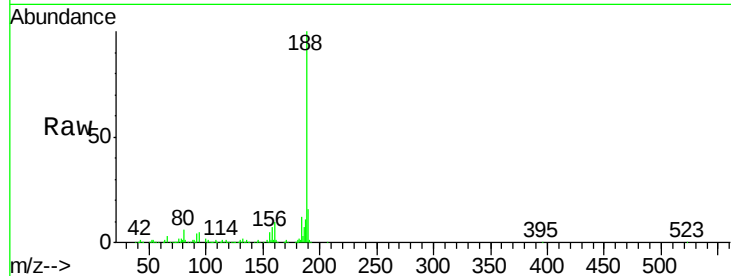




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2403
Delta R.T. -0.02 min
Lab File: BG035701.D
Acq: 18 Jul 2018 3:49

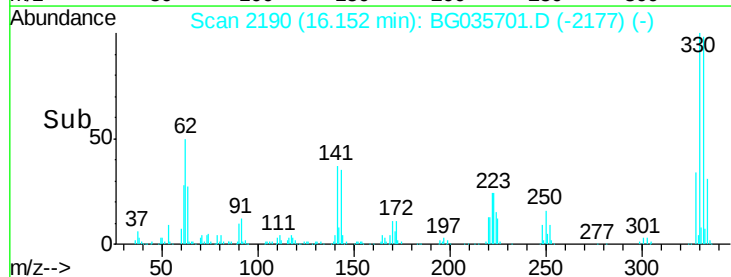
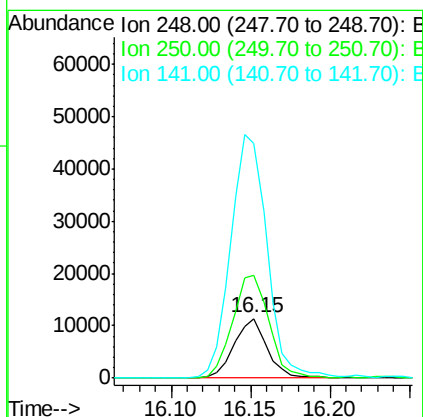
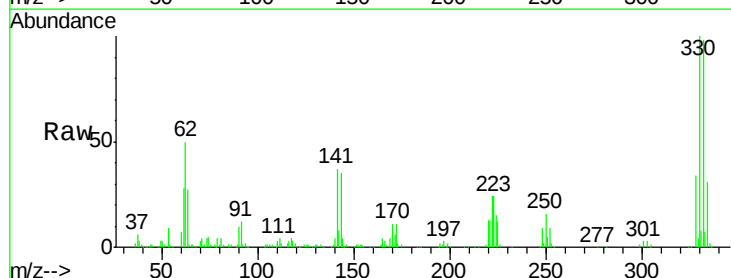
Instrument :
BNA_G
ClientSampleId :
071218-DBRI-F-D-B

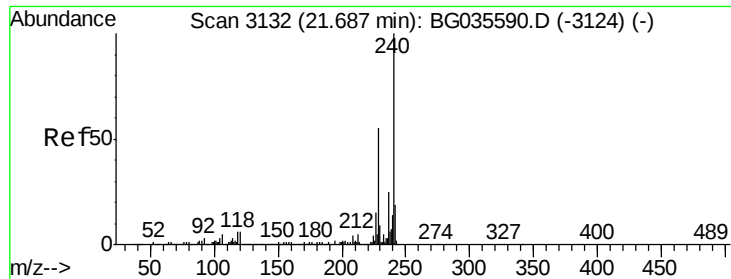
Tgt Ion:188 Resp: 370754
Ion Ratio Lower Upper
188 100
94 4.7 6.9 10.3#
80 6.3 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 3.804 ng
RT: 16.15 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG035701.D
Acq: 18 Jul 2018 3:49

Tgt Ion:248 Resp: 16362
Ion Ratio Lower Upper
248 100
250 171.2 77.1 115.7#
141 393.2 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-B

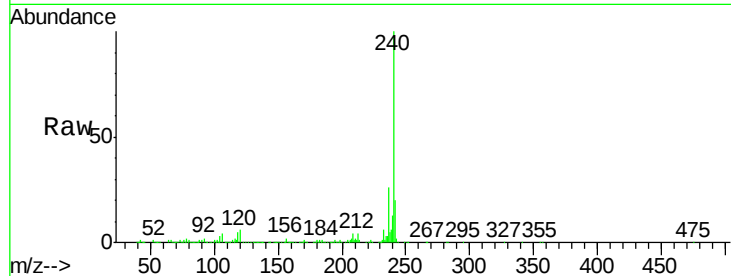
Tgt Ion:240 Resp: 419308

Ion Ratio Lower Upper

240 100

120 6.1 6.8 10.2#

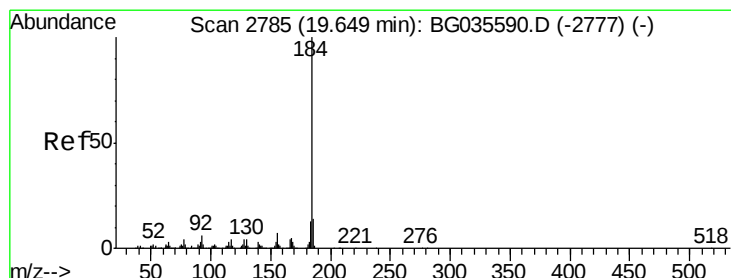
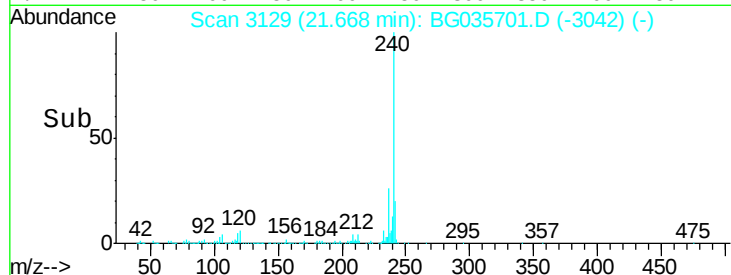
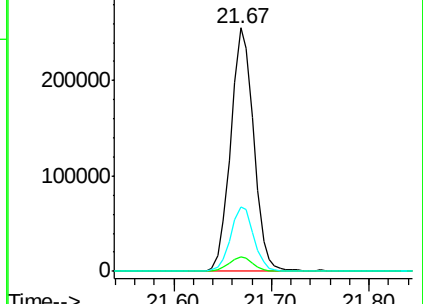
236 26.2 20.9 31.3



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: 2.715 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.36 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

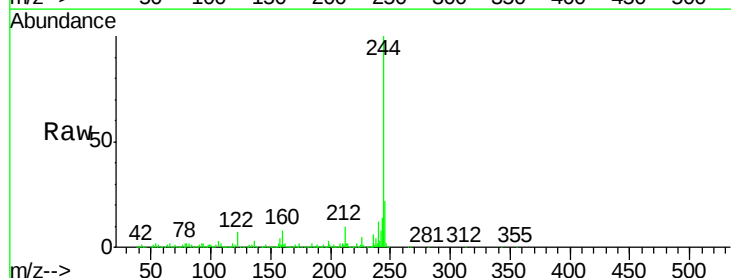
Tgt Ion:184 Resp: 29927

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

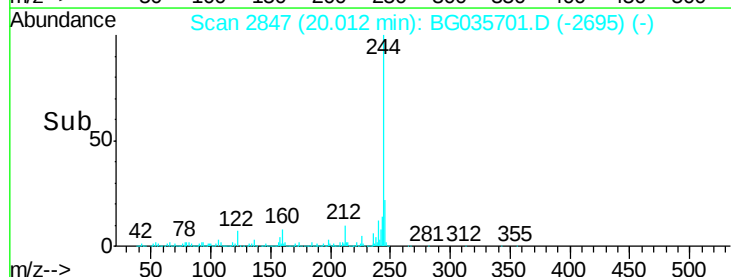
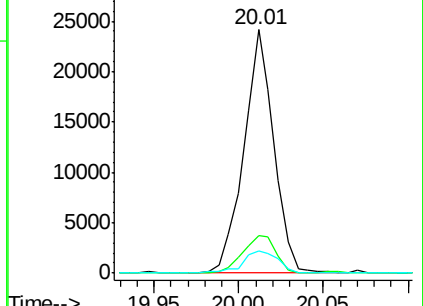
183 9.3 10.6 16.0#

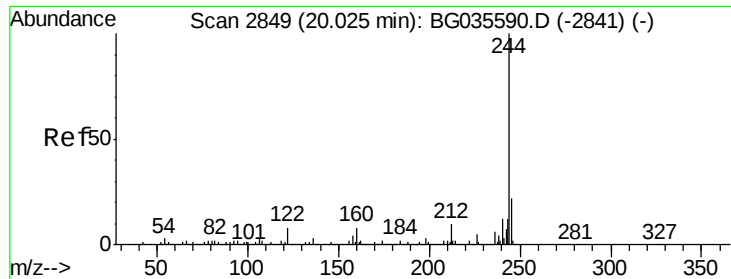


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.923 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-B

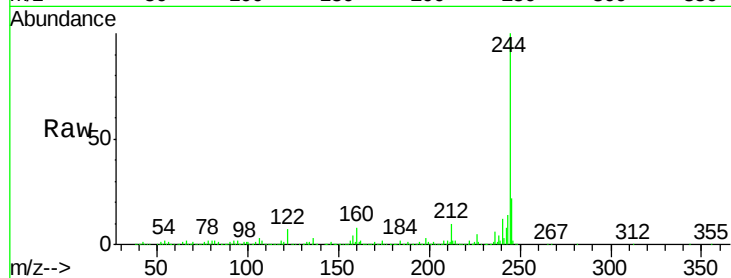
Tgt Ion:244 Resp: 1710541

Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.8#

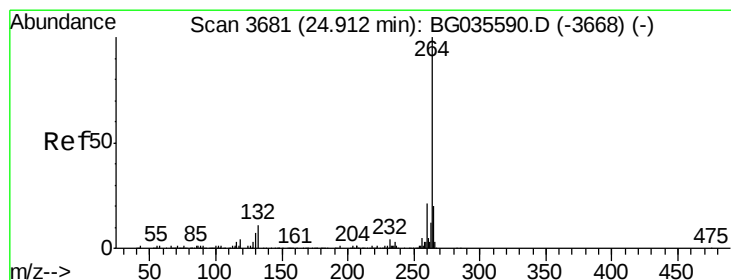
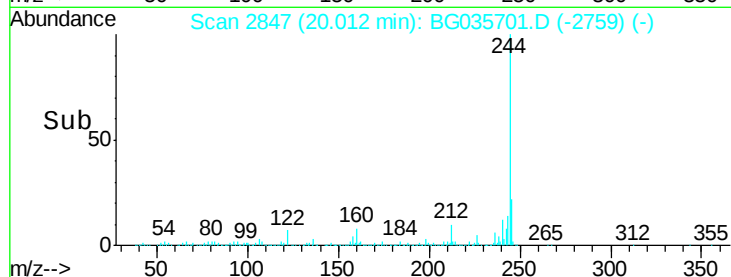
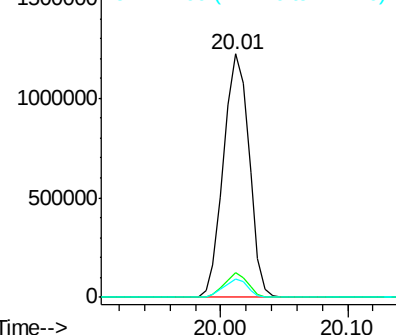
122 7.3 7.0 10.4



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# 3676

Delta R.T. -0.03 min

Lab File: BG035701.D

Acq: 18 Jul 2018 3:49

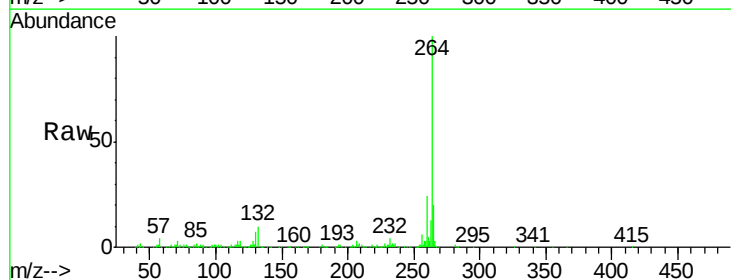
Tgt Ion:264 Resp: 401774

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 20.3 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

