

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071718\
 Data File : BG035702.D
 Acq On : 18 Jul 2018 4:28
 Operator : JU/SJ
 Sample : J3990-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jul 18 05:46:08 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

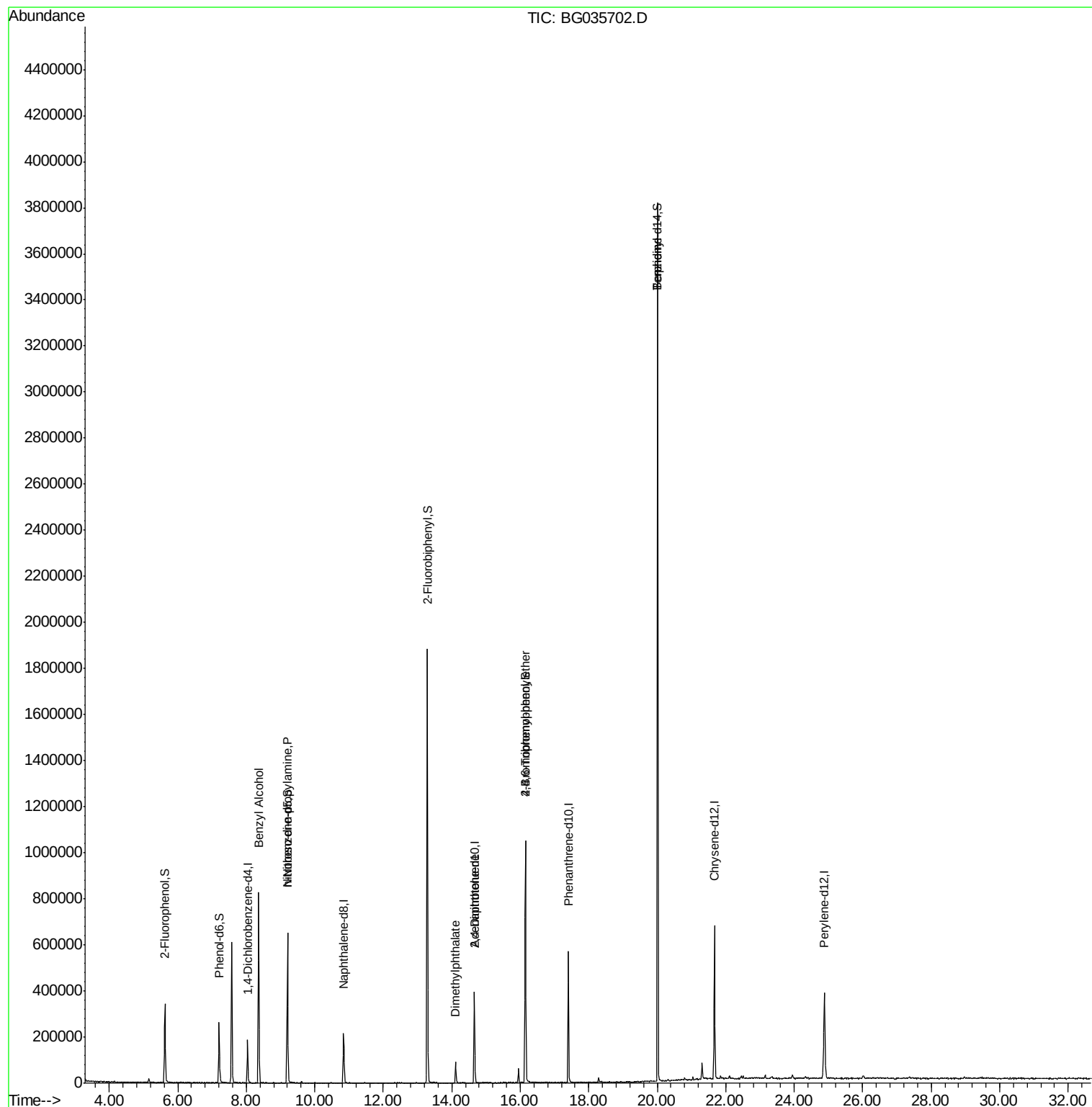
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	50488	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	183812	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	135340	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	369039	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	418421	20.00	ng	-0.02
86) Perylene-d12	24.88	264	407937	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	161510	53.11	ng	0.00
7) Phenol-d6	7.21	99	165765	36.53	ng	-0.01
23) Nitrobenzene-d5	9.20	82	450581	102.40	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	199673	111.93	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	1012718	100.25	ng	-0.02
78) Terphenyl-d14	20.01	244	1757903	92.61	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	8.36	79	8456	2.052	ng	# 51
19) n-Nitroso-di-n-propylamine	9.20	70	60580	15.856	ng	# 70
49) Dimethylphthalate	14.11	163	69628	5.872	ng	# 97
56) 2,4-Dinitrotoluene	14.66	165	17359	5.011	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	15686	3.664	ng	# 1
76) Benzidine	20.01	184	32080	2.916	ng	# 91

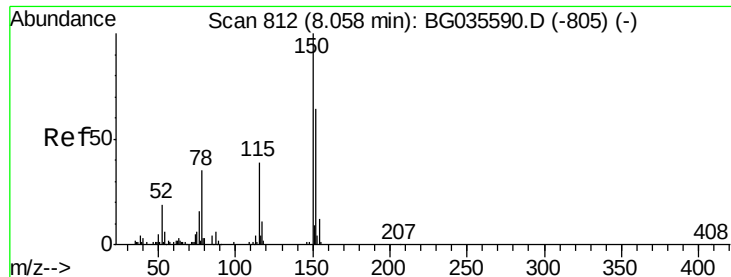
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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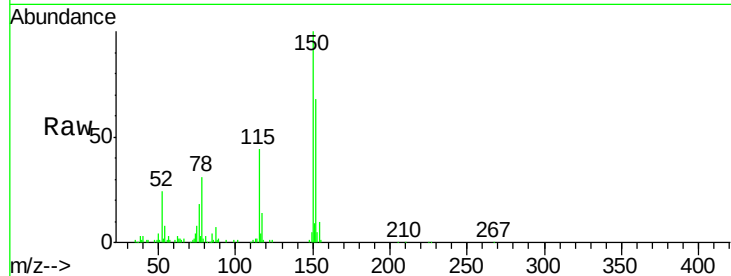


#1

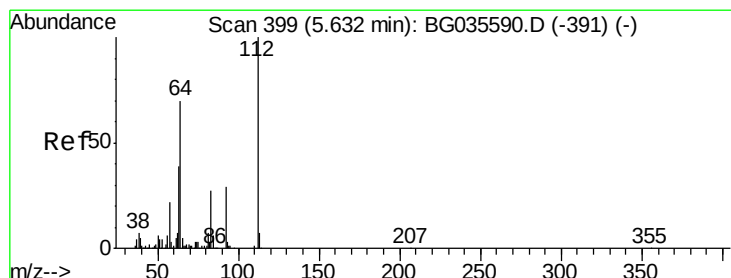
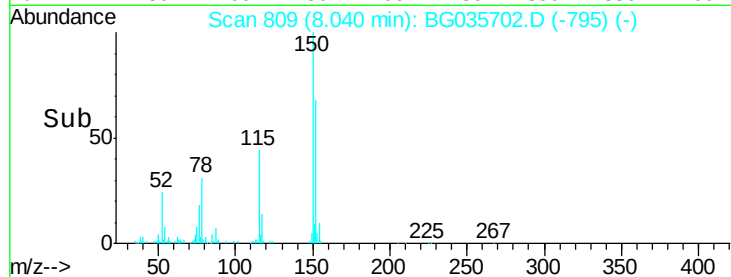
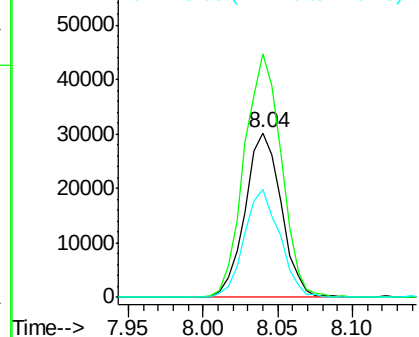
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.02 min
Lab File: BG035702.D
Acq: 18 Jul 2018 4:28

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.0	126.6	189.8
115	65.4	53.0	79.4



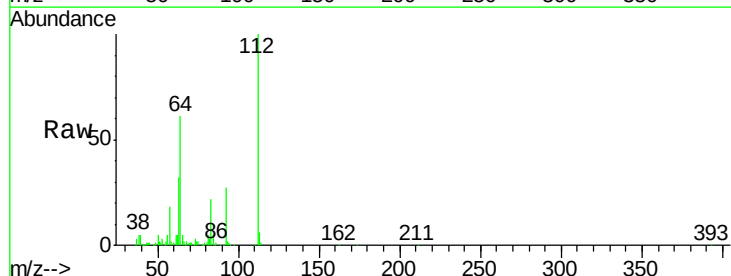
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



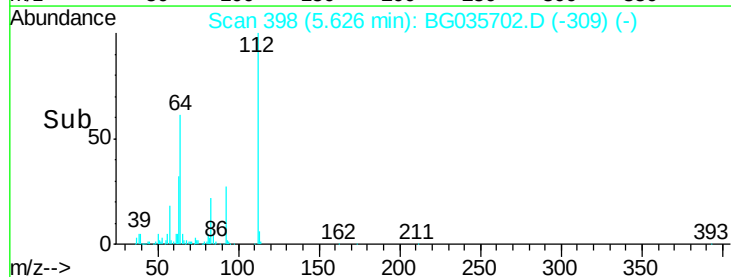
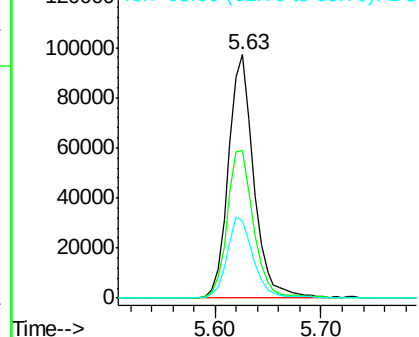
#5

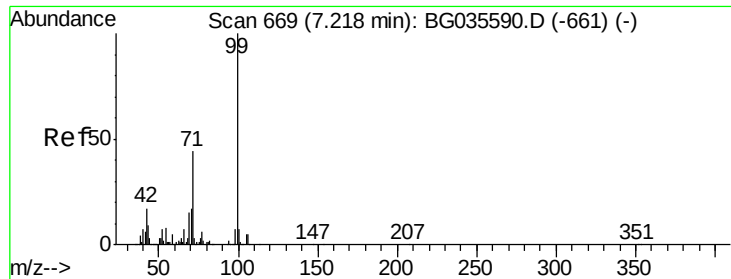
2-Fluorophenol
Concen: 53.111 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG035702.D
Acq: 18 Jul 2018 4:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	56.3	84.5
63	31.6	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: 36.535 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG035702.D

Acq: 18 Jul 2018 4:28

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-M

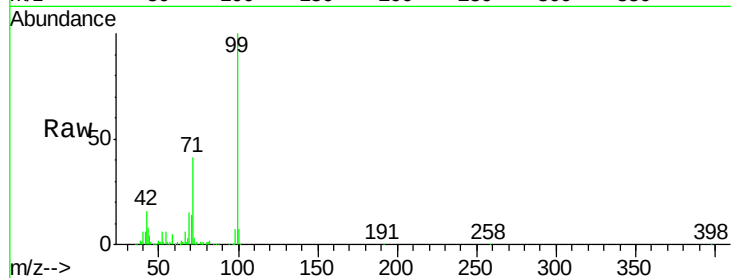
Tgt Ion: 99 Resp: 165765

Ion Ratio Lower Upper

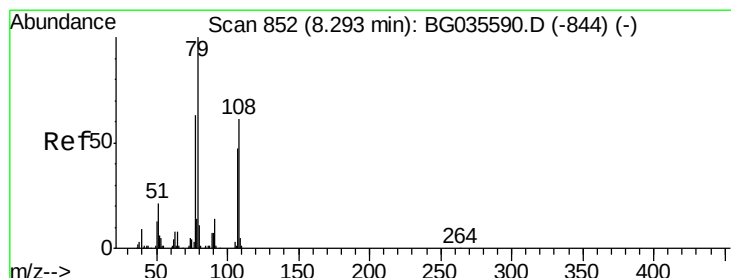
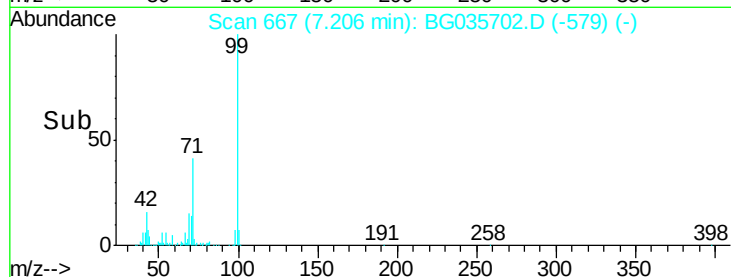
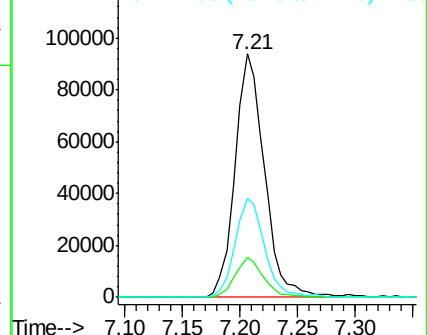
99 100

42 16.4 14.1 21.1

71 40.8 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



#15

Benzyl Alcohol

Concen: 2.052 ng

RT: 8.36 min Scan# 863

Delta R.T. 0.06 min

Lab File: BG035702.D

Acq: 18 Jul 2018 4:28

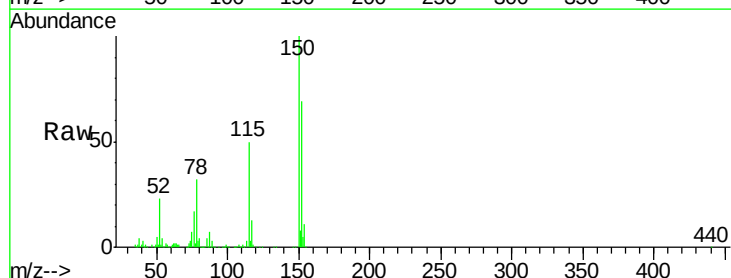
Tgt Ion: 79 Resp: 8456

Ion Ratio Lower Upper

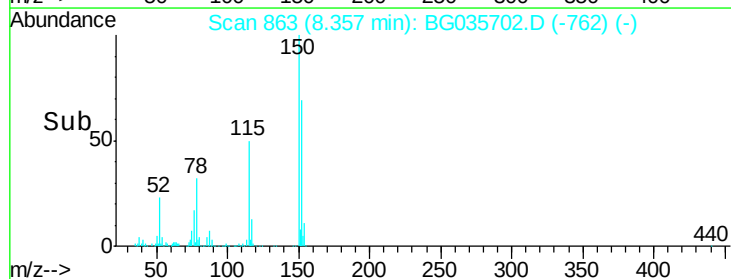
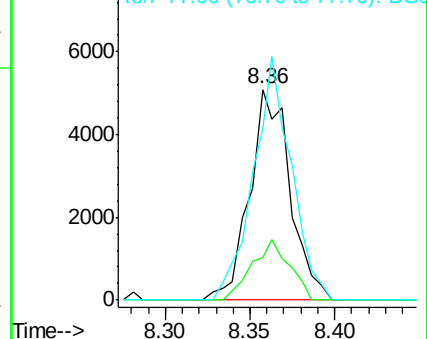
79 100

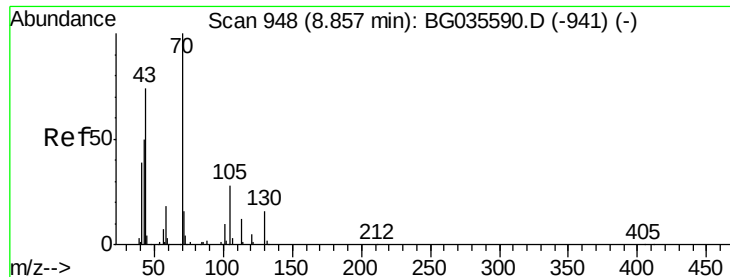
108 20.4 57.2 85.8#

77 81.6 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

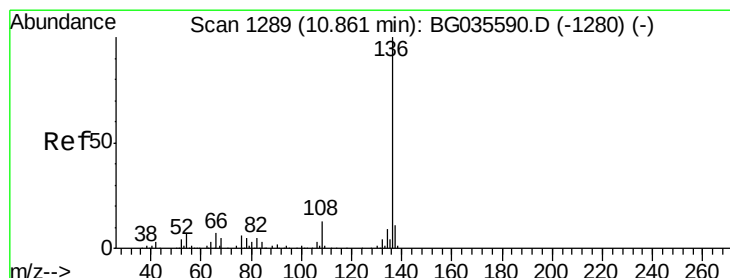
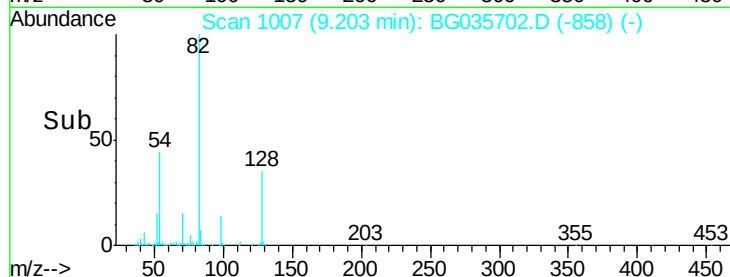
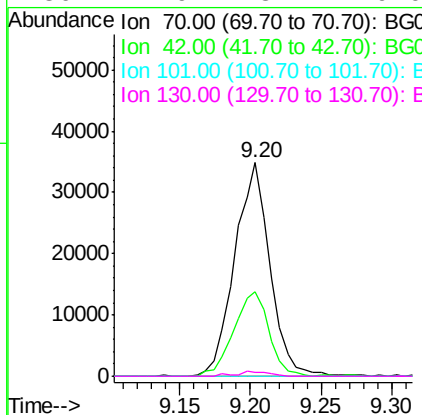
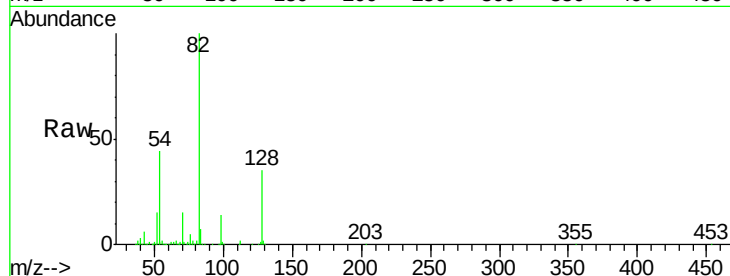




#19
n-Nitroso-di-n-propylamine
Concen: 15.856 ng
RT: 9.20 min Scan# 1007
Delta R.T. 0.35 min
Lab File: BG035702.D
Acq: 18 Jul 2018 4:28

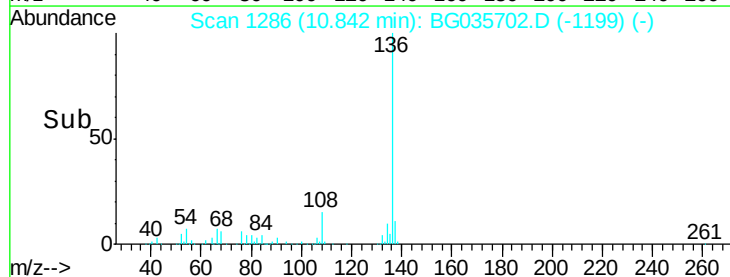
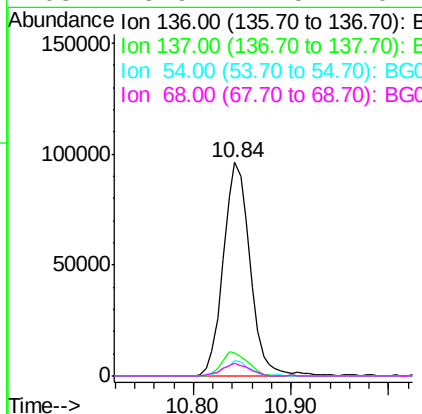
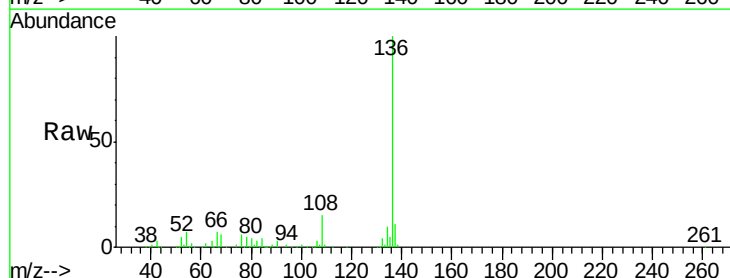
Instrument :
BNA_G
ClientSampleId :
071218-DBRI-F-D-M

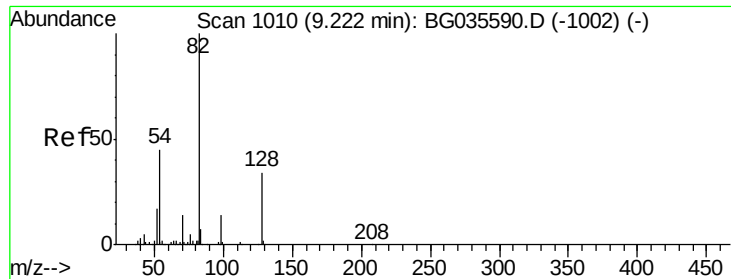
Tgt Ion: 70 Resp: 60580
Ion Ratio Lower Upper
70 100
42 39.6 49.1 73.7#
101 0.0 8.5 12.7#
130 1.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BG035702.D
Acq: 18 Jul 2018 4:28

Tgt Ion: 136 Resp: 183812
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 7.1 10.3 15.5#
68 5.9 4.5 6.7

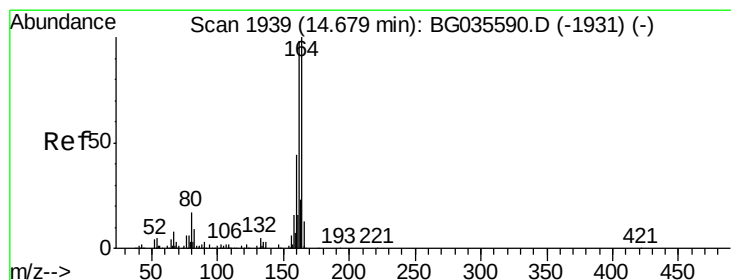
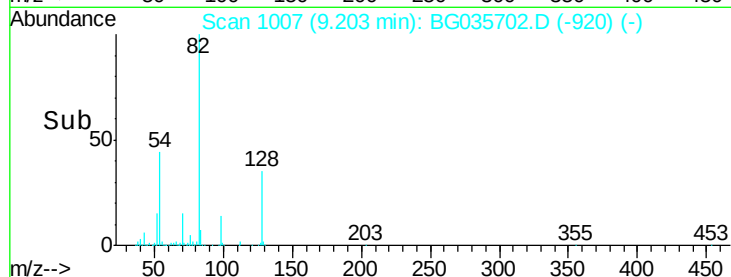
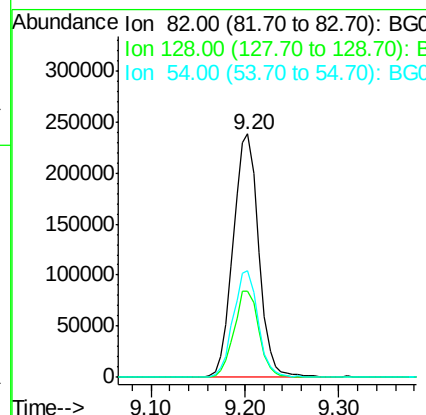
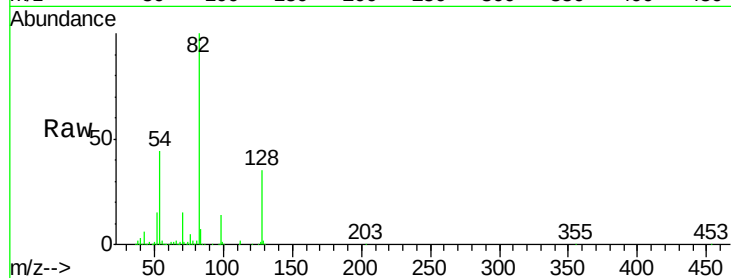




#23
 Nitrobenzene-d5
 Concen: 102.403 ng
 RT: 9.20 min Scan# 1007
 Delta R.T. -0.02 min
 Lab File: BG035702.D
 Acq: 18 Jul 2018 4:28

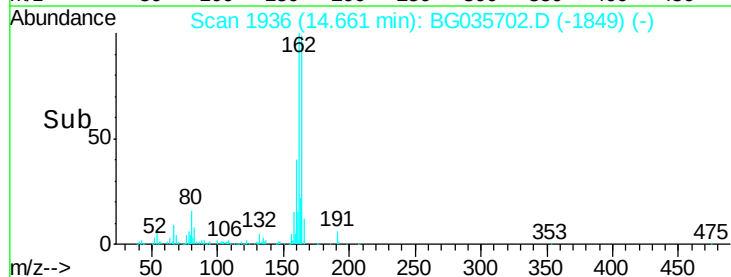
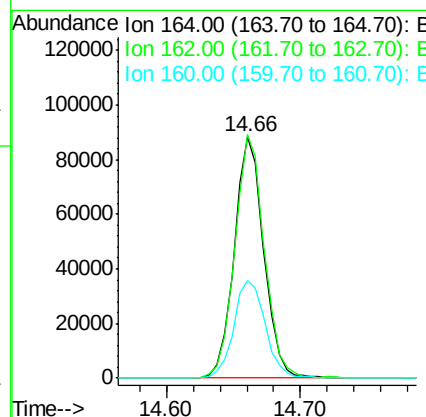
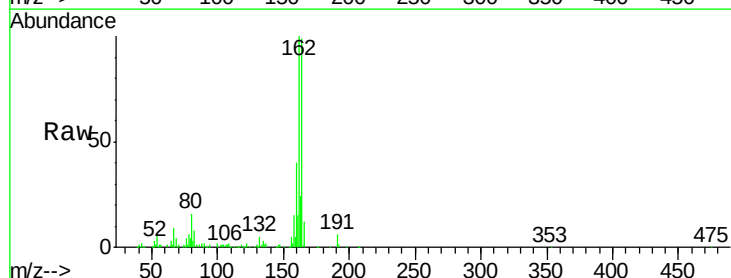
Instrument :
 BNA_G
 ClientSampleId :
 071218-DBRI-F-D-M

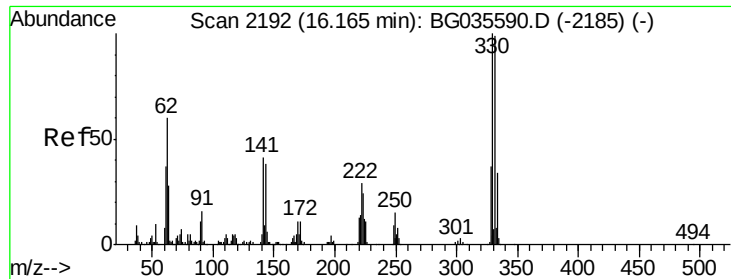
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.7	44.5
54	44.1	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.02 min
 Lab File: BG035702.D
 Acq: 18 Jul 2018 4:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	78.8	118.2
160	40.3	35.4	53.0

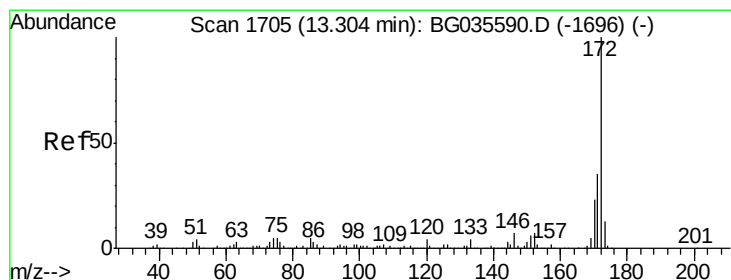
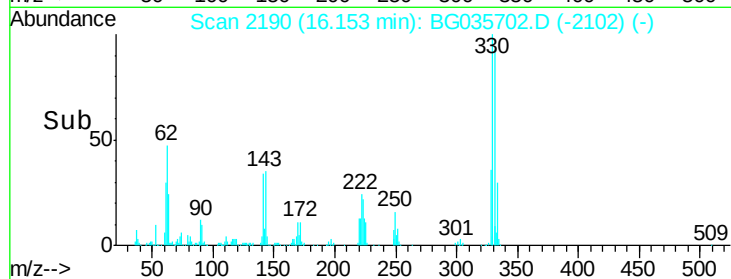
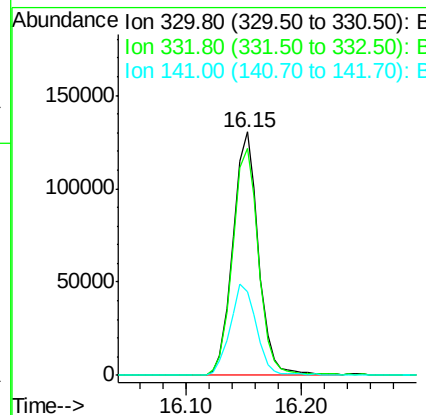
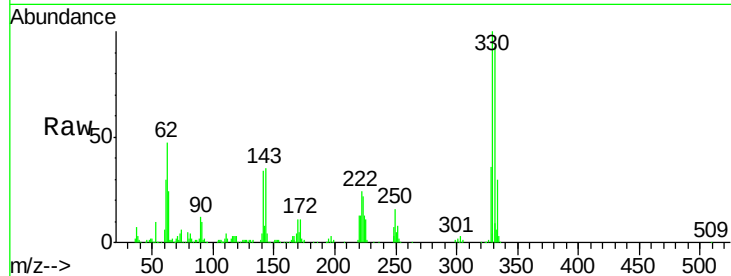




#41
 2,4,6-Tribromophenol
 Concen: 111.933 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG035702.D
 Acq: 18 Jul 2018 4:28

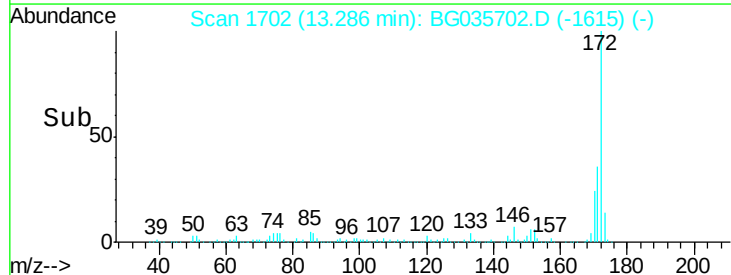
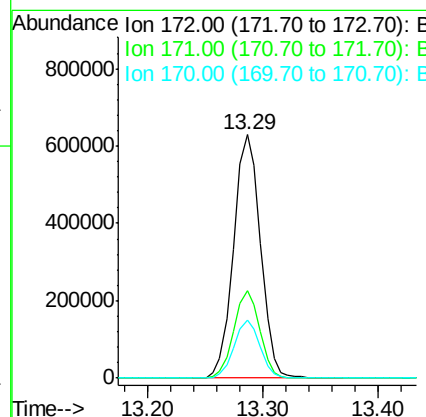
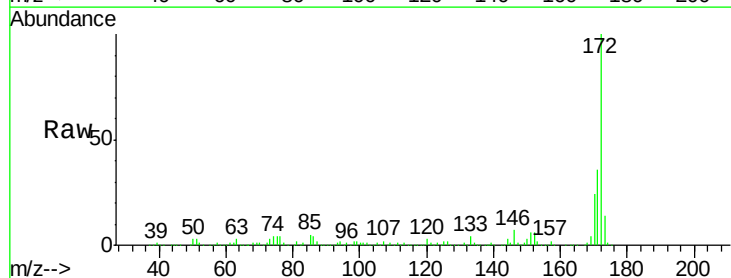
Instrument :
 BNA_G
 ClientSampleId :
 071218-DBRI-F-D-M

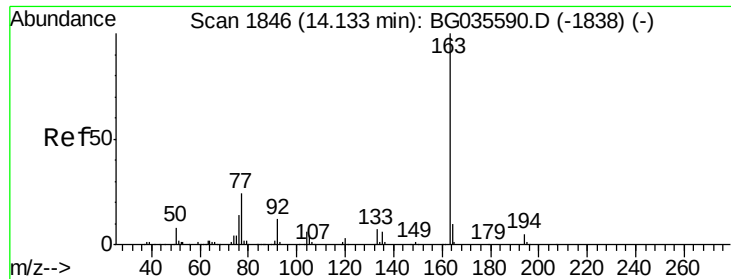
Tgt Ion:330 Resp: 199673
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 38.6 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 100.250 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.02 min
 Lab File: BG035702.D
 Acq: 18 Jul 2018 4:28

Tgt Ion:172 Resp: 1012718
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.0 45.0
 170 23.7 19.5 29.3





#49

Dimethylphthalate

Concen: 5.872 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BG035702.D

Acq: 18 Jul 2018 4:28

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-M

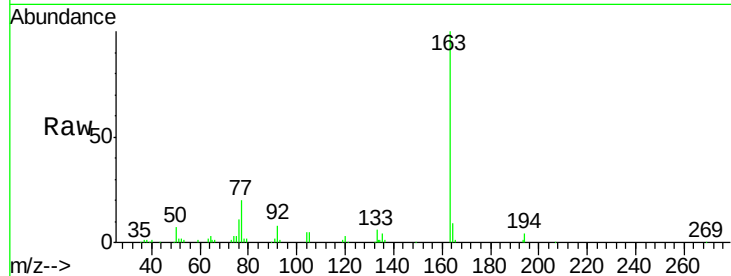
Tgt Ion:163 Resp: 69628

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.2

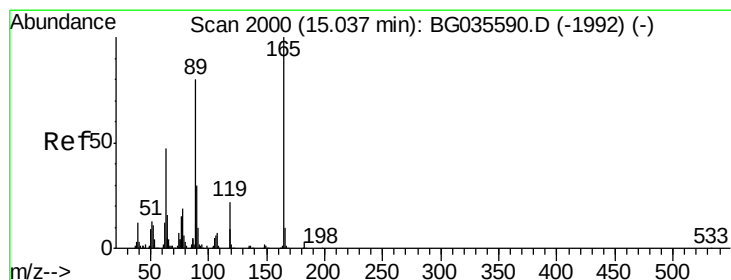
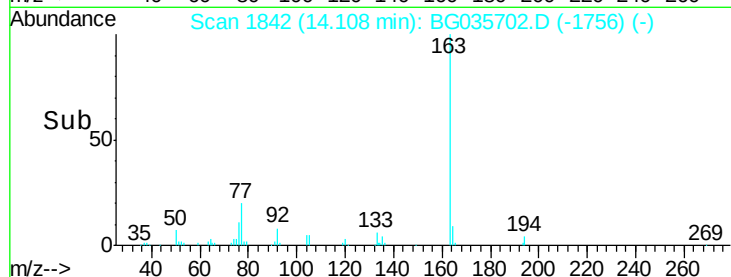
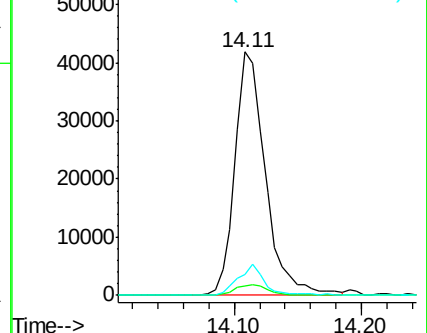
164 8.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.011 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.38 min

Lab File: BG035702.D

Acq: 18 Jul 2018 4:28

Tgt Ion:165 Resp: 17359

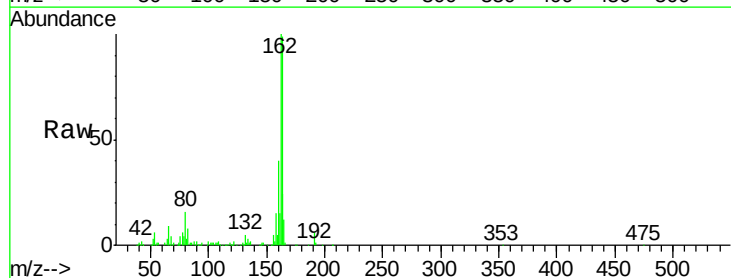
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.2 66.9 100.3#

182 0.0 2.6 3.8#

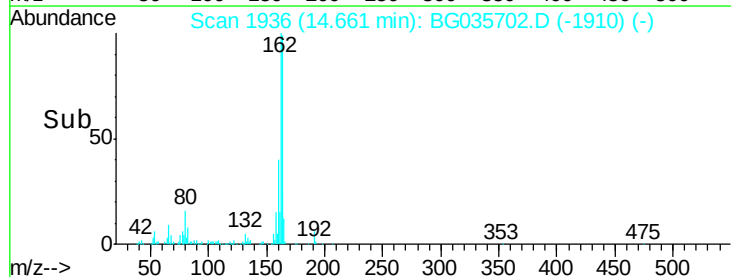
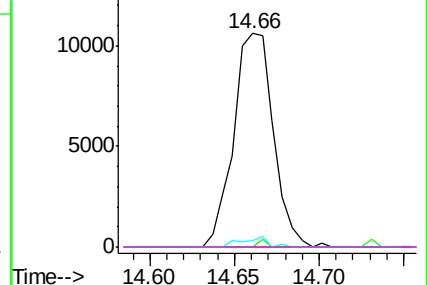


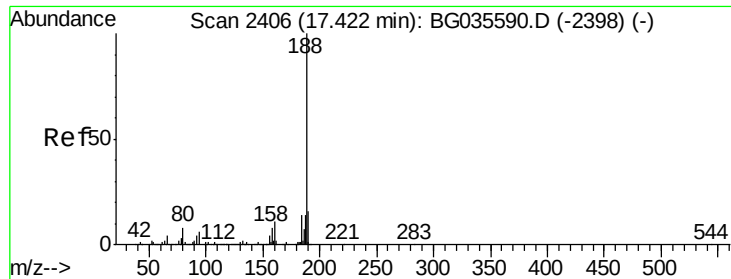
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.02 min

Lab File: BG035702.D

Acq: 18 Jul 2018 4:28

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-M

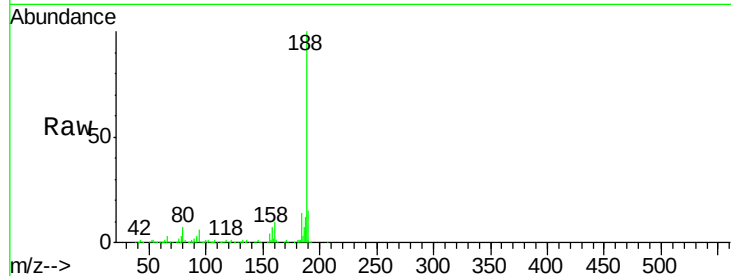
Tgt Ion:188 Resp: 369039

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

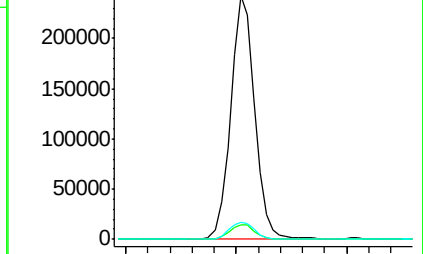
80 7.1 7.7 11.5#



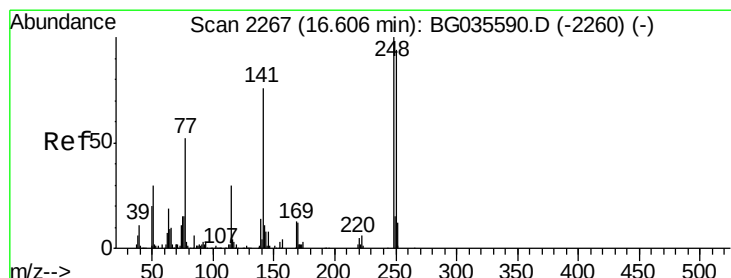
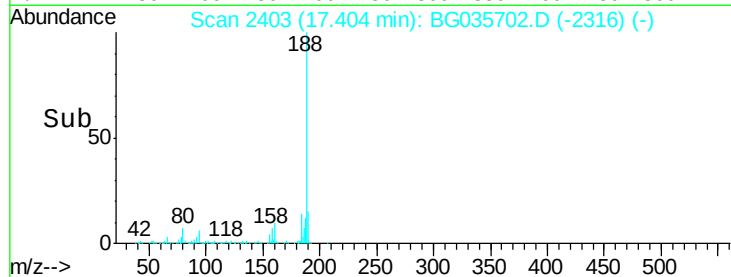
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.30 17.40 17.50



#66

4-Bromophenyl-phenylether

Concen: 3.664 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.45 min

Lab File: BG035702.D

Acq: 18 Jul 2018 4:28

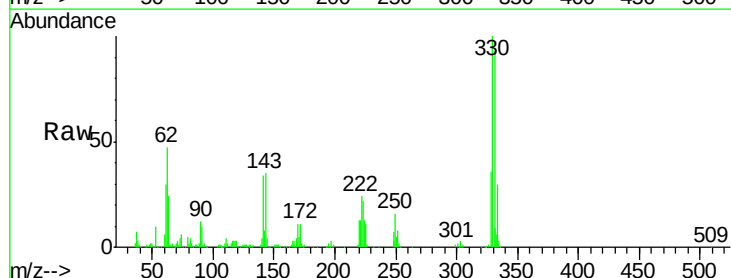
Tgt Ion:248 Resp: 15686

Ion Ratio Lower Upper

248 100

250 213.8 77.1 115.7#

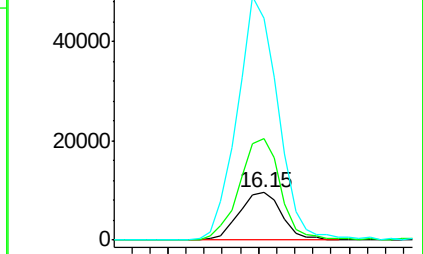
141 470.2 50.8 76.2#



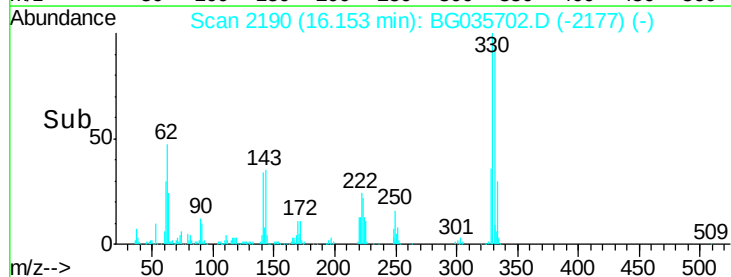
Abundance Ion 248.00 (247.70 to 248.70): E

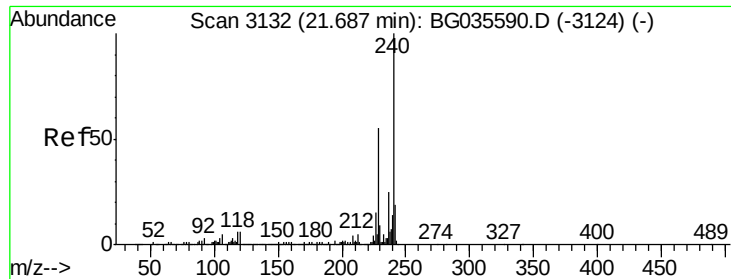
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.10 16.15 16.20





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG035702.D

Acq: 18 Jul 2018 4:28

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-M

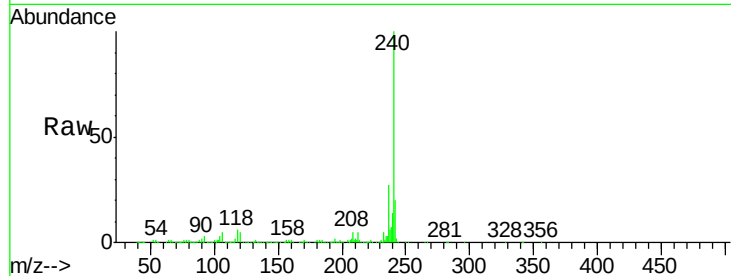
Tgt Ion:240 Resp: 418421

Ion Ratio Lower Upper

240 100

120 5.2 6.8 10.2#

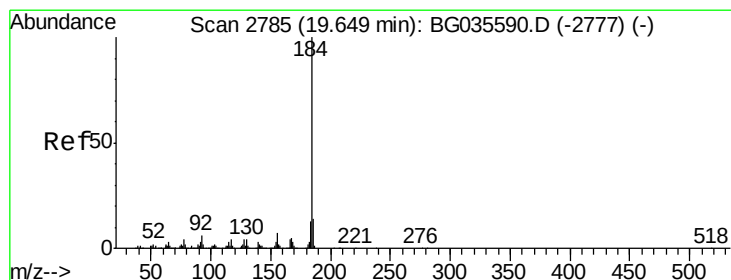
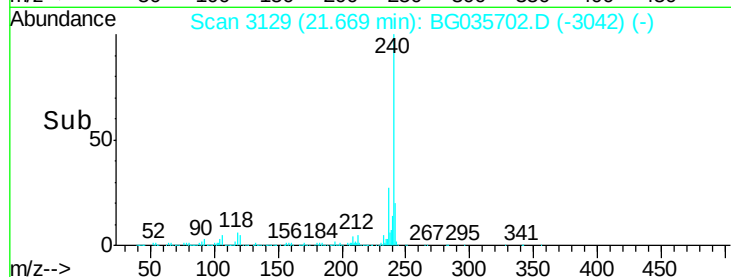
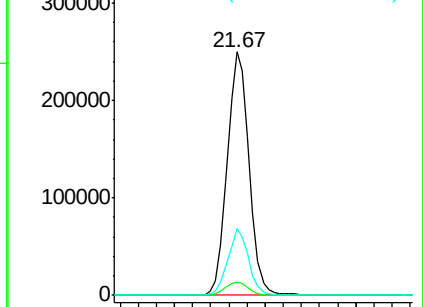
236 27.3 20.9 31.3



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: 2.916 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.36 min

Lab File: BG035702.D

Acq: 18 Jul 2018 4:28

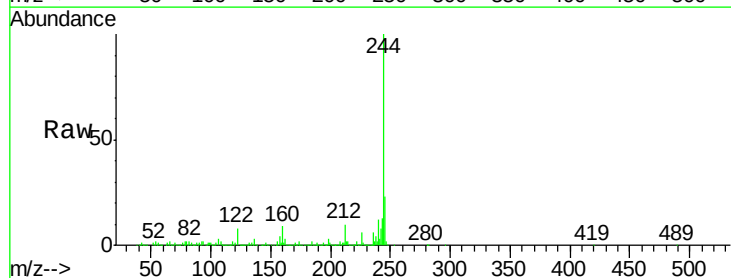
Tgt Ion:184 Resp: 32080

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

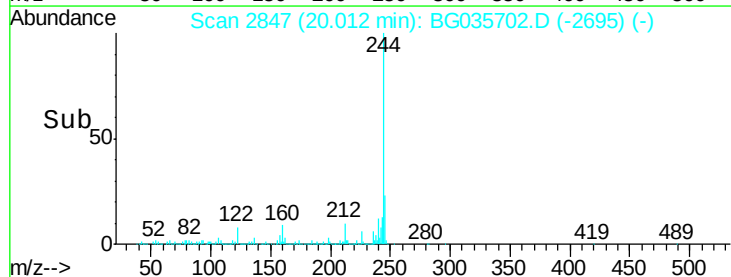
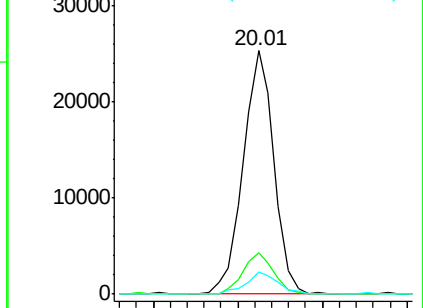
183 9.3 10.6 16.0#

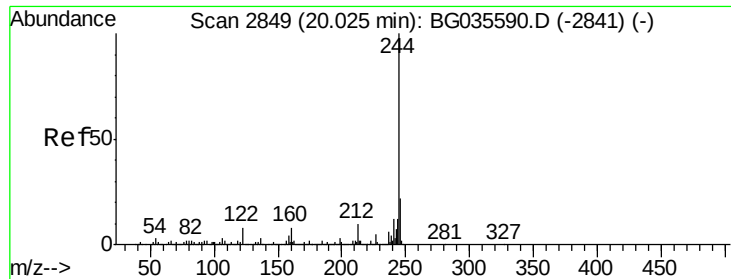


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.609 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG035702.D

Acq: 18 Jul 2018 4:28

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-D-M

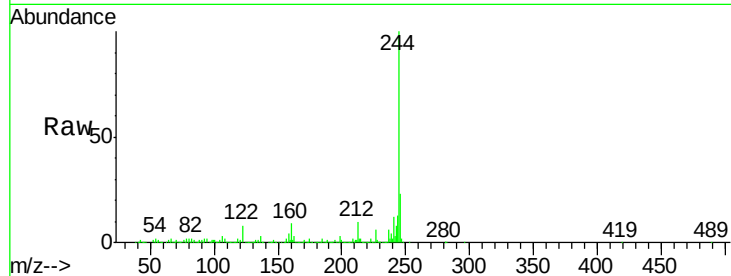
Tgt Ion:244 Resp: 1757903

Ion Ratio Lower Upper

244 100

212 10.0 5.8 8.8#

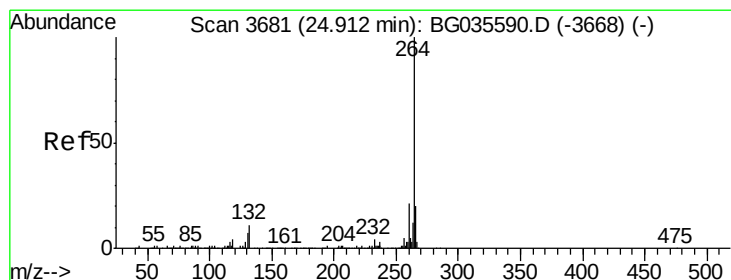
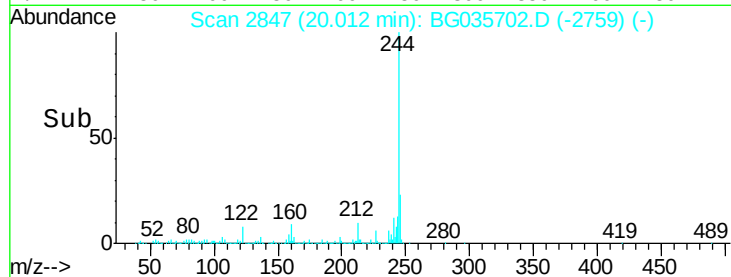
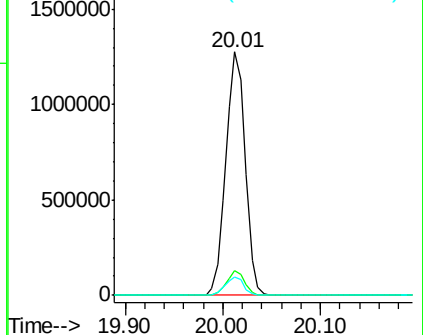
122 7.7 7.0 10.4



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: BG035702.D

Acq: 18 Jul 2018 4:28

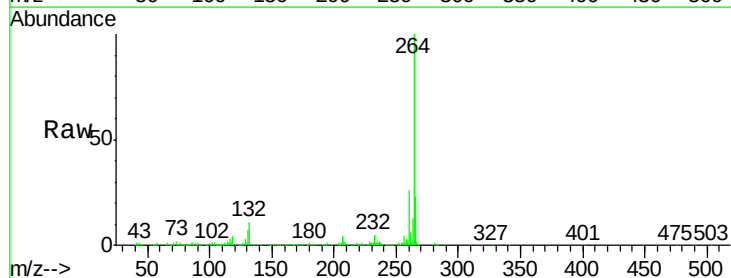
Tgt Ion:264 Resp: 407937

Ion Ratio Lower Upper

264 100

260 25.9 17.4 26.0

265 23.0 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

