

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071718\
 Data File : BG035706.D
 Acq On : 18 Jul 2018 7:04
 Operator : JU/SJ
 Sample : J3990-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 071218-DBRI-F-U-S

Quant Time: Jul 18 08:23:01 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

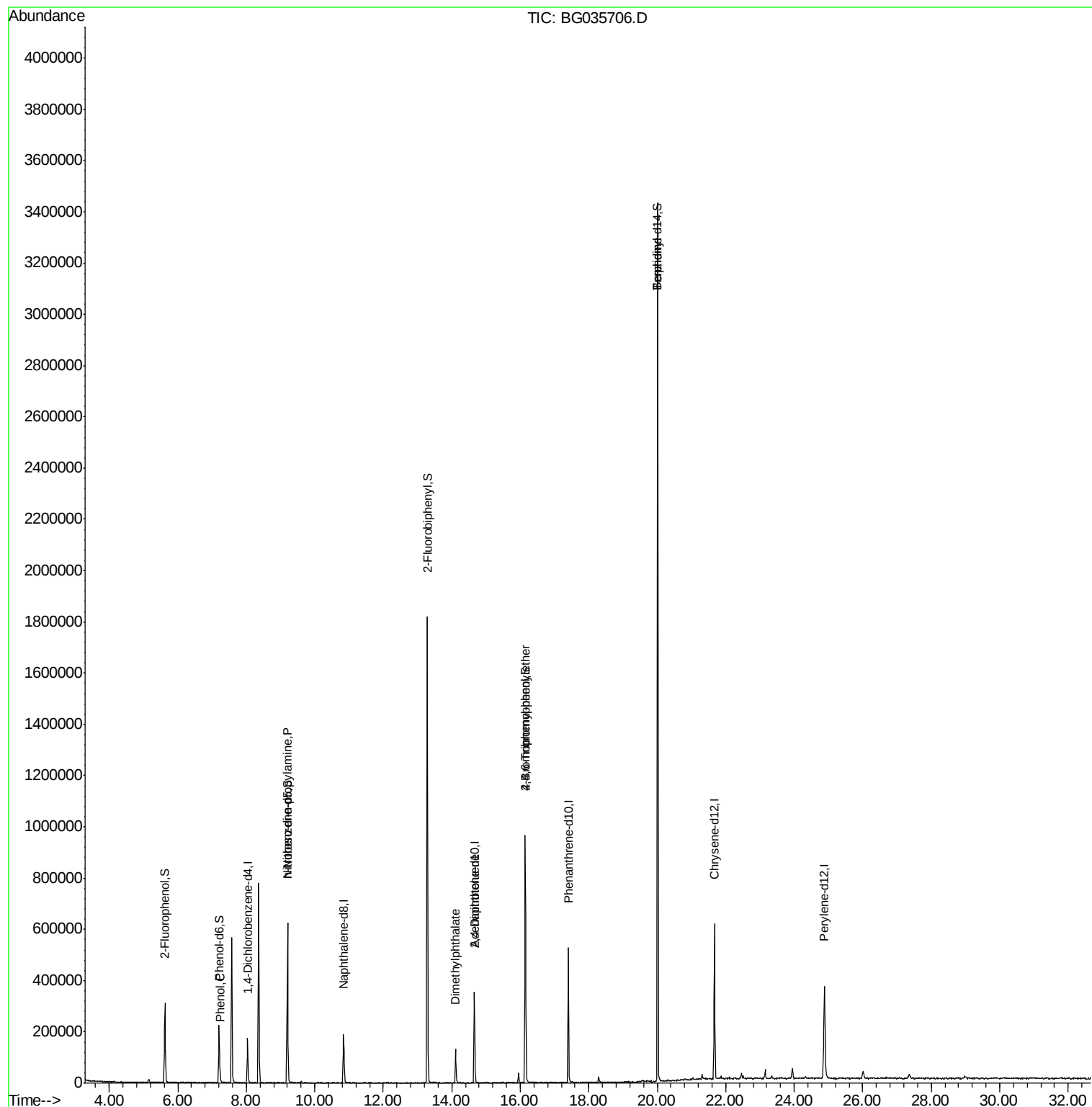
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	50583	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	171564	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	121275	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	331441	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	388474	20.00	ng	-0.02
86) Perylene-d12	24.88	264	384280	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	142080	46.63	ng	0.00
7) Phenol-d6	7.21	99	141730	31.18	ng	-0.01
23) Nitrobenzene-d5	9.20	82	425326	103.56	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	182245	114.01	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	976476	107.87	ng	-0.02
78) Terphenyl-d14	20.01	244	1678808	95.26	ng	-0.01
Target Compounds						
10) Phenol	7.23	94	11409	2.484	ng	86
19) n-Nitroso-di-n-propylamine	9.20	70	58205	15.206	ng	# 67
49) Dimethylphthalate	14.11	163	98562	9.276	ng	98
56) 2,4-Dinitrotoluene	14.66	165	16610	5.351	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	15265	3.970	ng	# 1
76) Benzidine	20.01	184	30160	2.953	ng	# 93

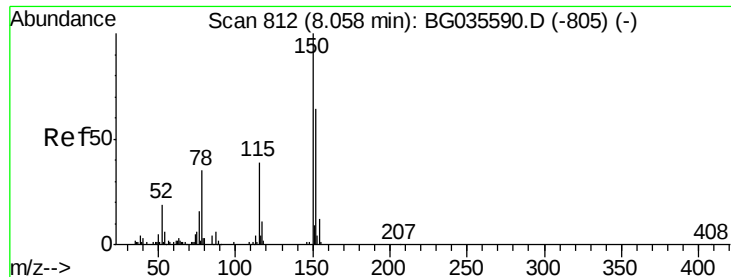
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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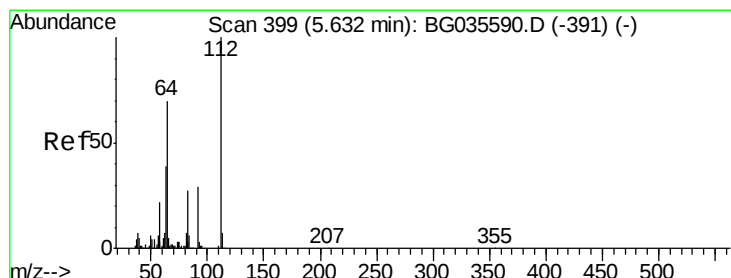
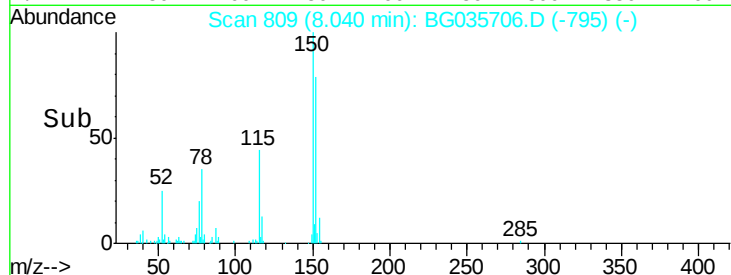
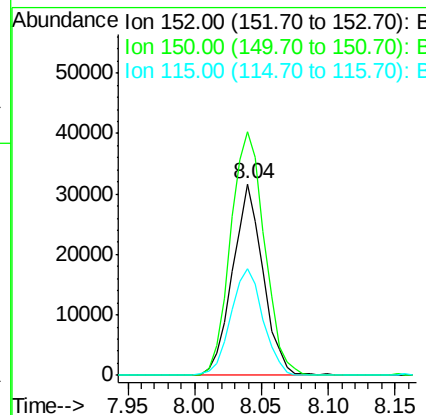
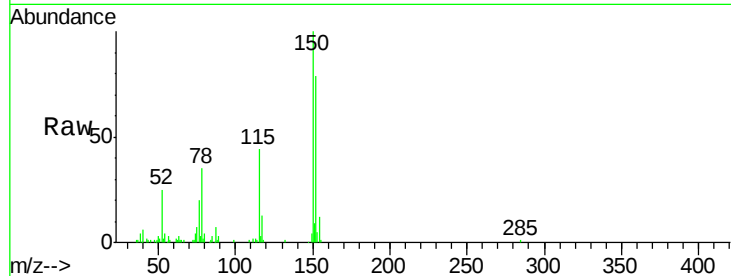


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.02 min
Lab File: BG035706.D
Acq: 18 Jul 2018 7:04

Instrument :
BNA_G
ClientSampleId :
071218-DBRI-F-U-S

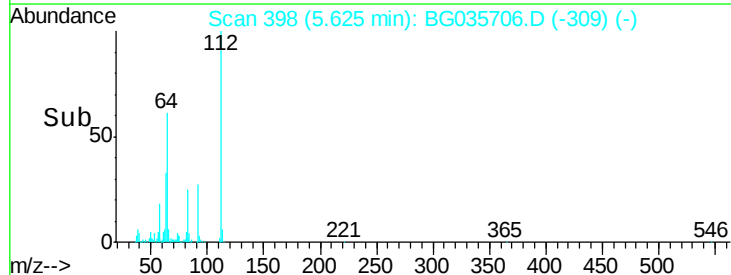
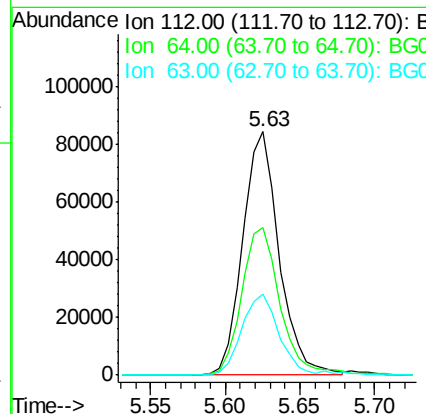
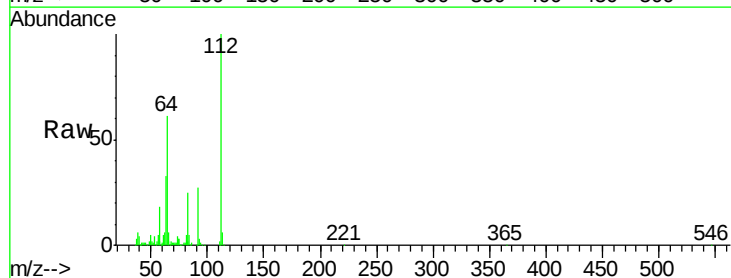
Tgt Ion:152 Resp: 50583
Ion Ratio Lower Upper
152 100
150 127.0 126.6 189.8
115 55.9 53.0 79.4

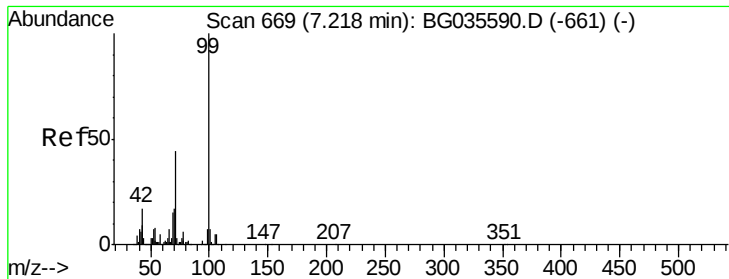


#5

2-Fluorophenol
Concen: 46.633 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG035706.D
Acq: 18 Jul 2018 7:04

Tgt Ion:112 Resp: 142080
Ion Ratio Lower Upper
112 100
64 60.5 56.3 84.5
63 33.0 30.1 45.1





#7

Phenol-d6

Concen: 31.179 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG035706.D

Acq: 18 Jul 2018 7:04

Instrument :

BNA_G

ClientSampleId :

071218-DBRI-F-U-S

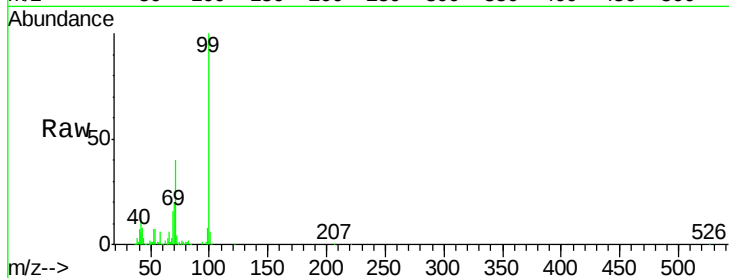
Tgt Ion: 99 Resp: 141730

Ion Ratio Lower Upper

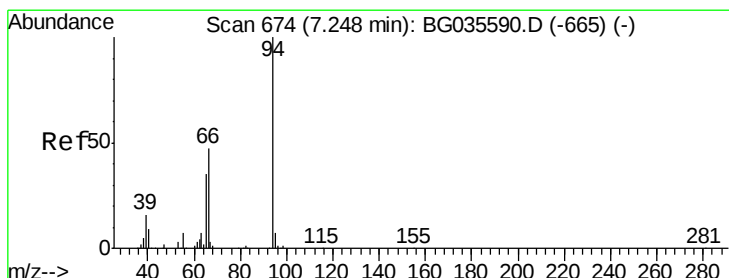
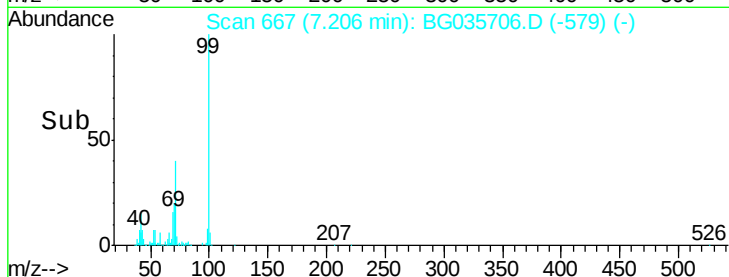
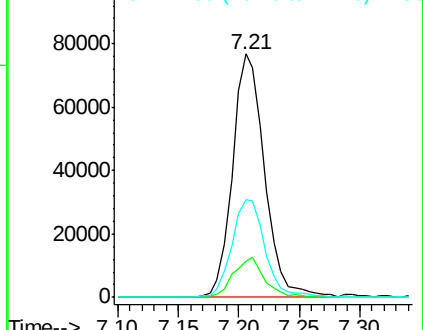
99 100

42 14.8 14.1 21.1

71 40.2 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



#10

Phenol

Concen: 2.484 ng

RT: 7.23 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG035706.D

Acq: 18 Jul 2018 7:04

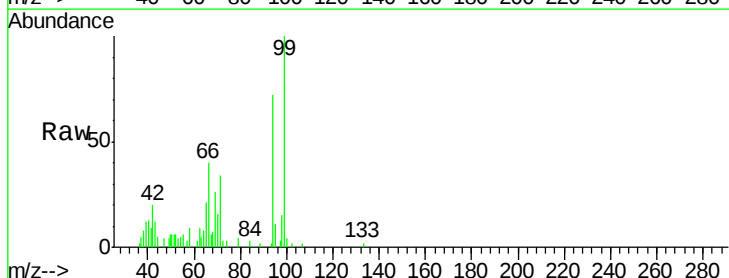
Tgt Ion: 94 Resp: 11409

Ion Ratio Lower Upper

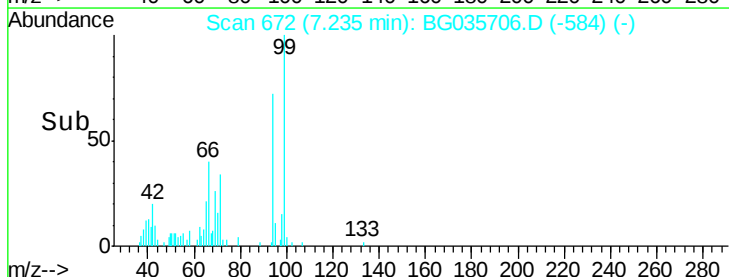
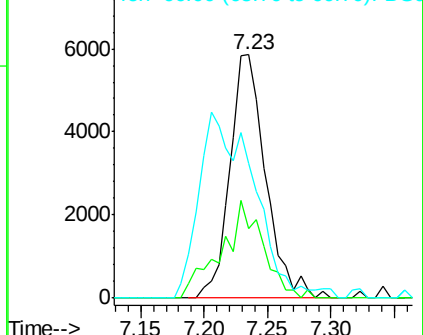
94 100

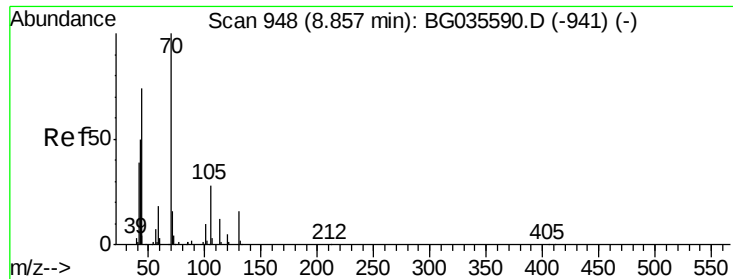
65 28.7 11.9 51.9

66 55.6 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

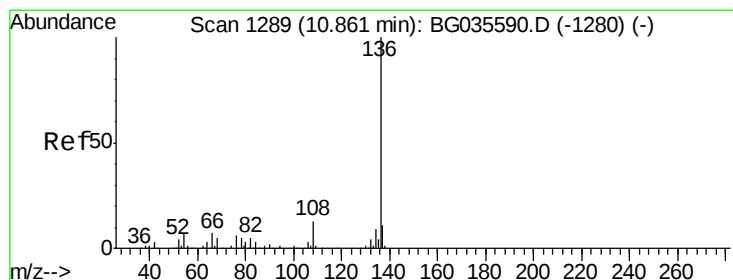
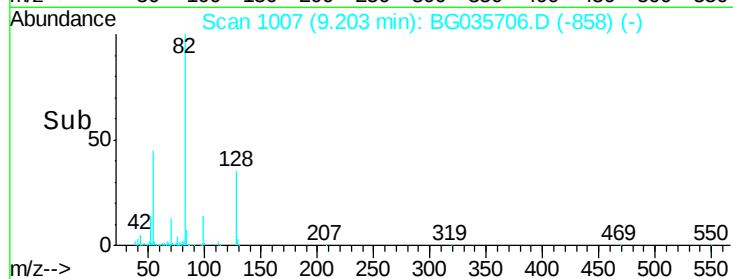
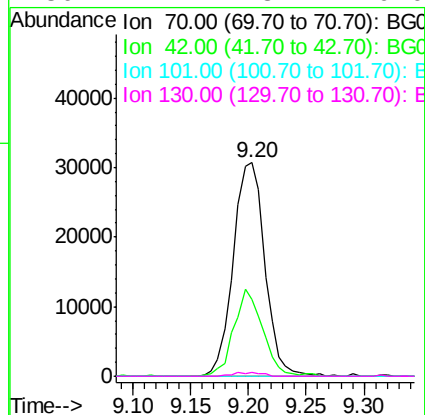
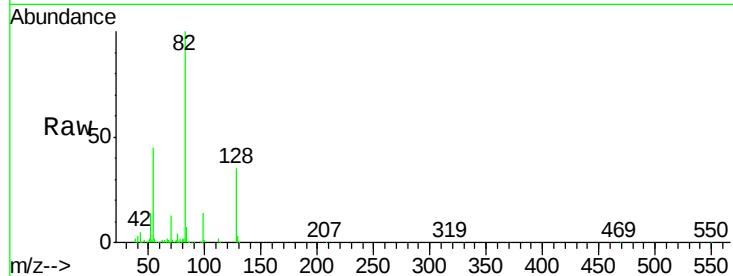




#19
n-Nitroso-di-n-propylamine
Concen: 15.206 ng
RT: 9.20 min Scan# 1007
Delta R.T. 0.35 min
Lab File: BG035706.D
Acq: 18 Jul 2018 7:04

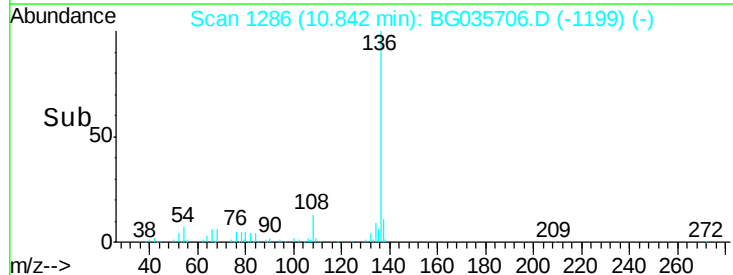
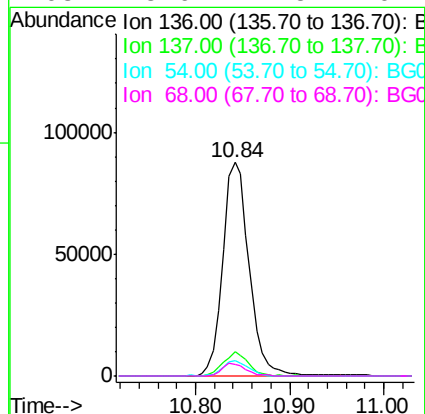
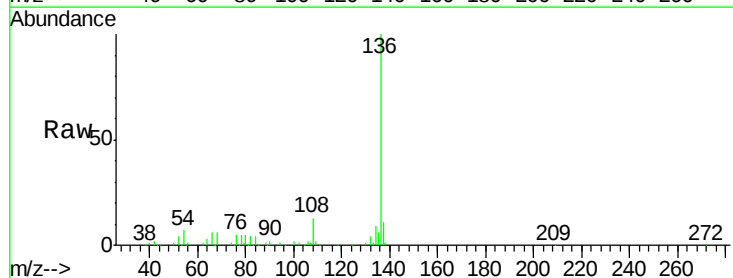
Instrument :
BNA_G
ClientSampleId :
071218-DBRI-F-U-S

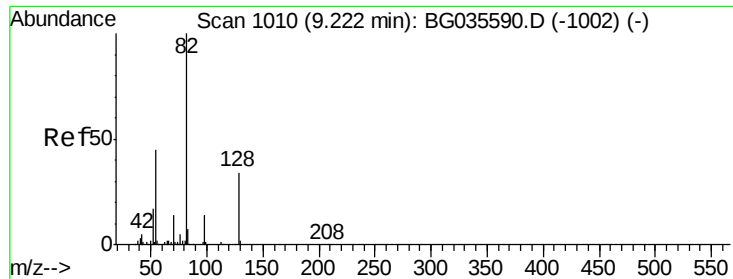
Tgt Ion: 70 Resp: 58205
Ion Ratio Lower Upper
70 100
42 36.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BG035706.D
Acq: 18 Jul 2018 7:04

Tgt Ion: 136 Resp: 171564
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 7.3 10.3 15.5#
68 5.6 4.5 6.7

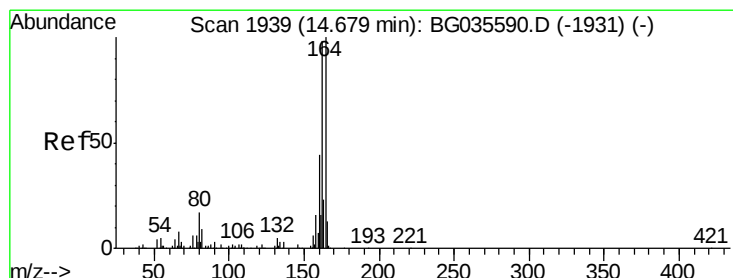
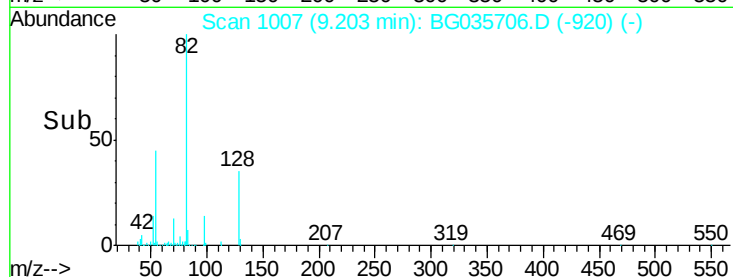
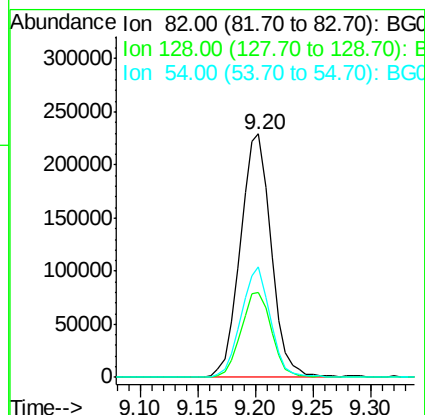
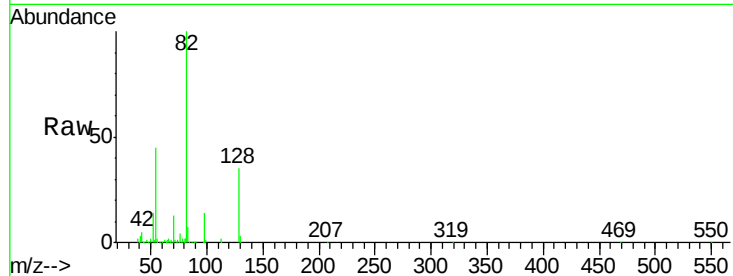




#23
Nitrobenzene-d5
Concen: 103.564 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BG035706.D
Acq: 18 Jul 2018 7:04

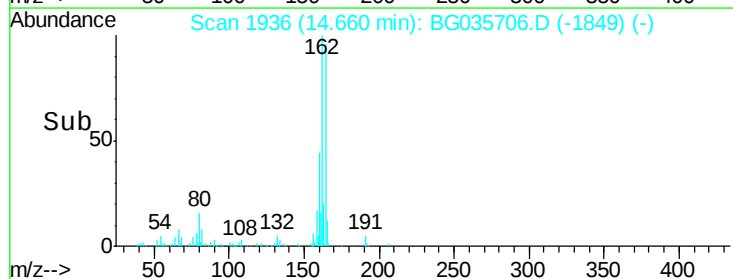
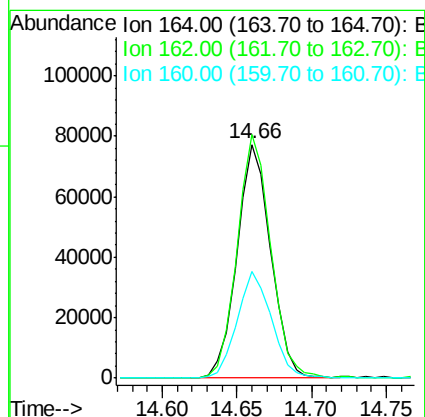
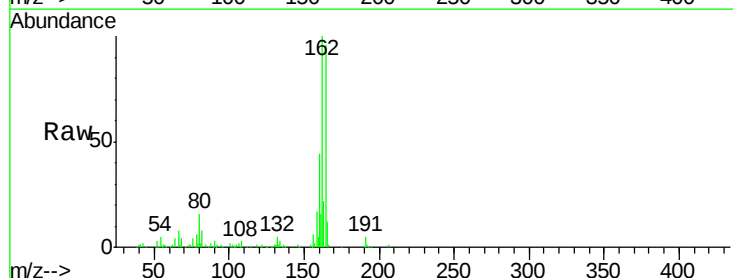
Instrument :
BNA_G
ClientSampleId :
071218-DBRI-F-U-S

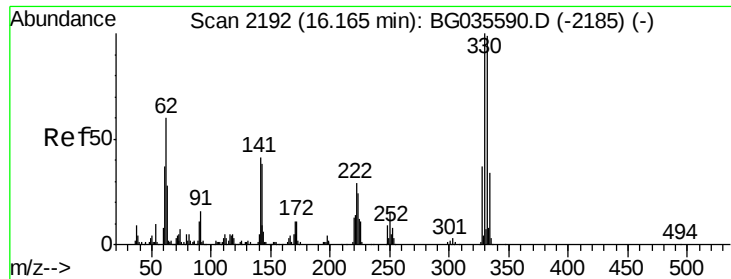
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.1	29.7	44.5
54	45.3	43.1	64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.02 min
Lab File: BG035706.D
Acq: 18 Jul 2018 7:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	78.8	118.2
160	45.6	35.4	53.0

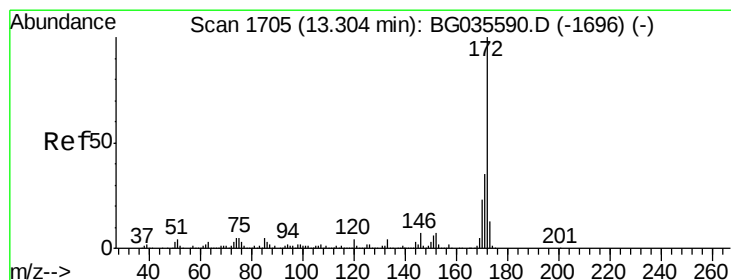
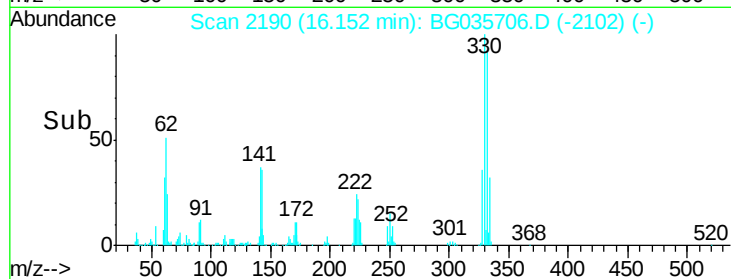
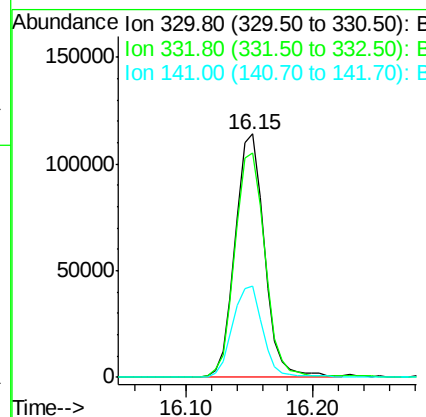
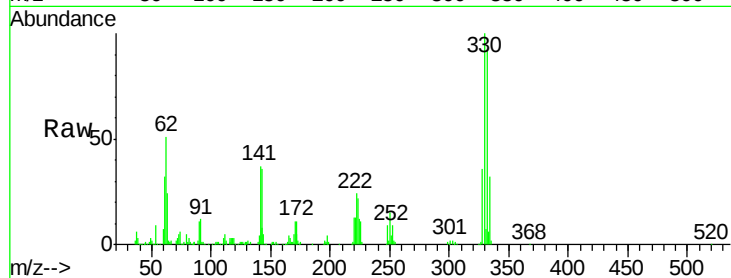




#41
 2,4,6-Tribromophenol
 Concen: 114.011 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG035706.D
 Acq: 18 Jul 2018 7:04

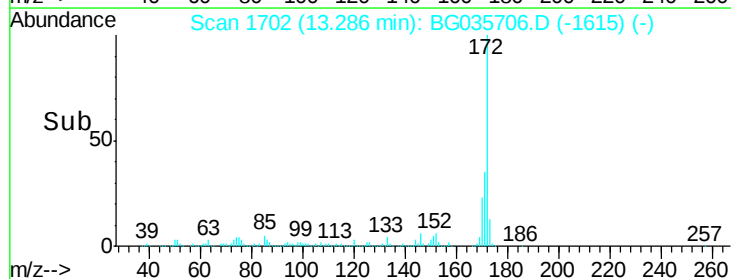
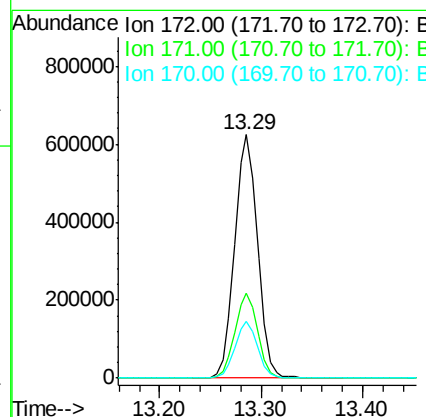
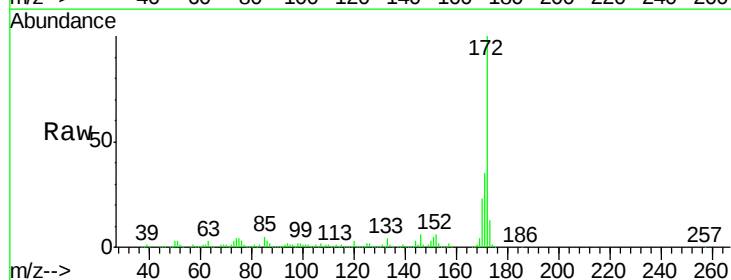
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 BNA_G
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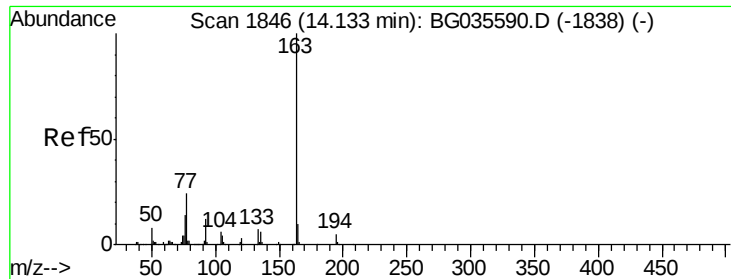
Tgt Ion:330 Resp: 182245
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 38.6 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 107.873 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.02 min
 Lab File: BG035706.D
 Acq: 18 Jul 2018 7:04

Tgt Ion:172 Resp: 976476
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.0 45.0
 170 23.0 19.5 29.3





#49

Dimethylphthalate

Concen: 9.276 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BG035706.D

Acq: 18 Jul 2018 7:04

Instrument :

BNA_G

ClientSampleId :

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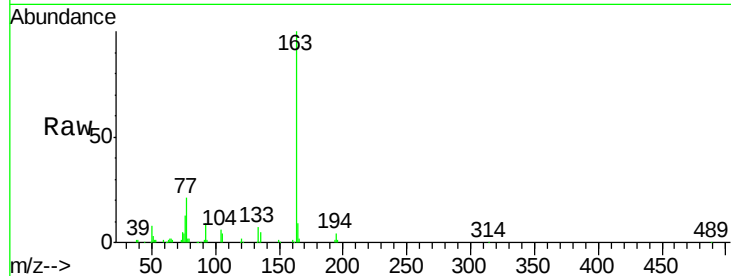
Tgt Ion:163 Resp: 98562

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

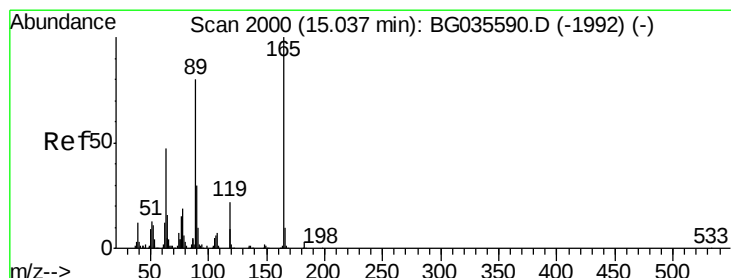
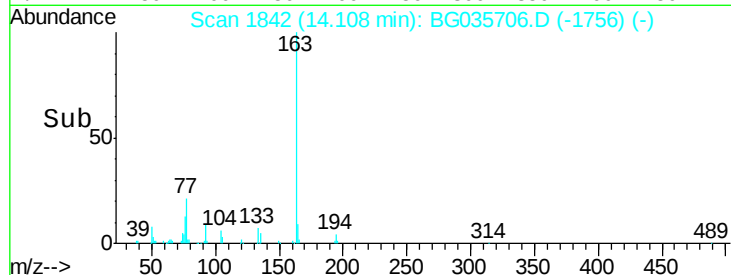
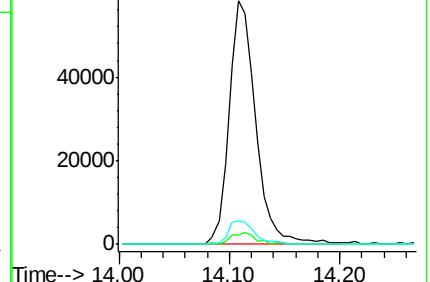
164 9.5 8.2 12.4



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: 5.351 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.38 min

Lab File: BG035706.D

Acq: 18 Jul 2018 7:04

Tgt Ion:165 Resp: 16610

Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 5.2 66.9 100.3#

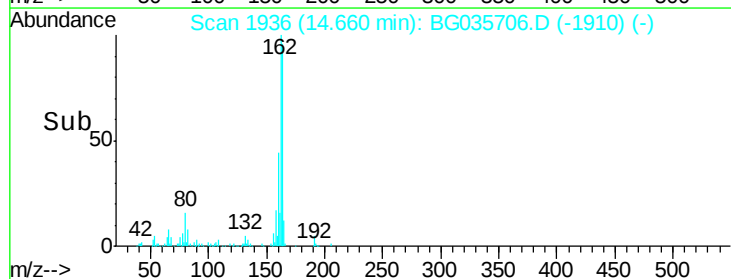
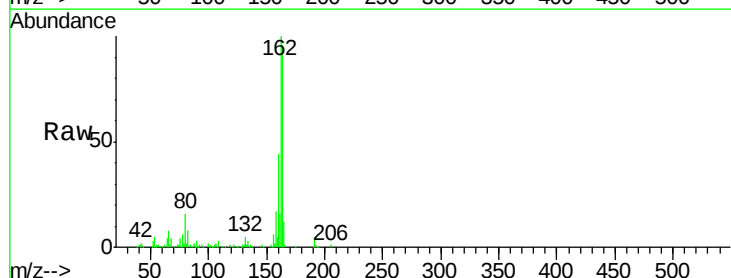
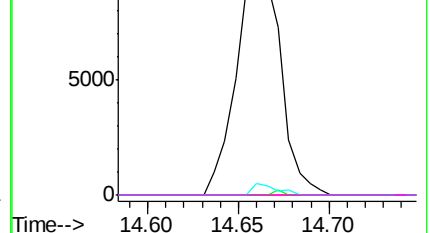
182 0.0 2.6 3.8#

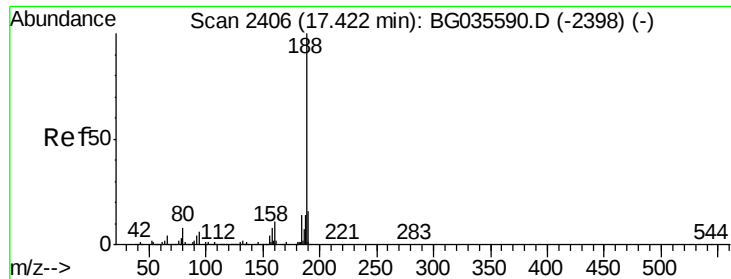
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG035706.D

Acq: 18 Jul 2018 7:04

Instrument :

BNA_G

ClientSampleId :

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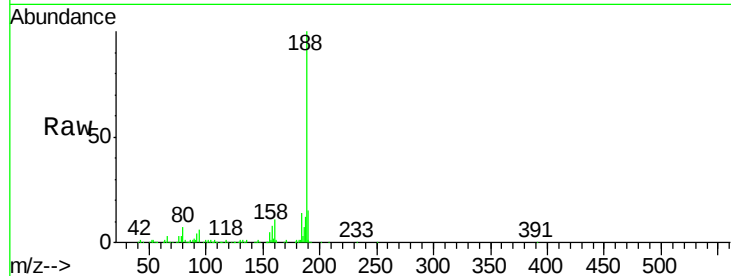
Tgt Ion:188 Resp: 331441

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

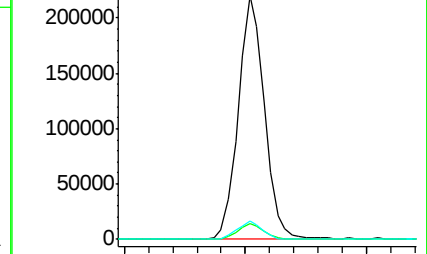
80 7.4 7.7 11.5#



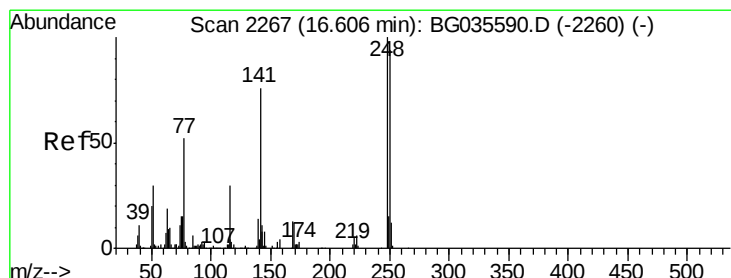
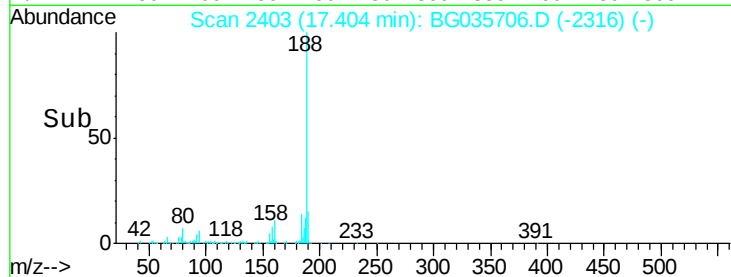
Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.970 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.45 min

Lab File: BG035706.D

Acq: 18 Jul 2018 7:04

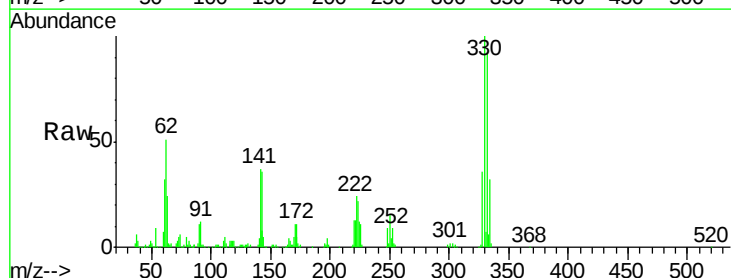
Tgt Ion:248 Resp: 15265

Ion Ratio Lower Upper

248 100

250 173.0 77.1 115.7#

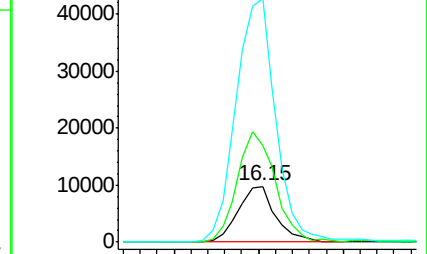
141 438.7 50.8 76.2#



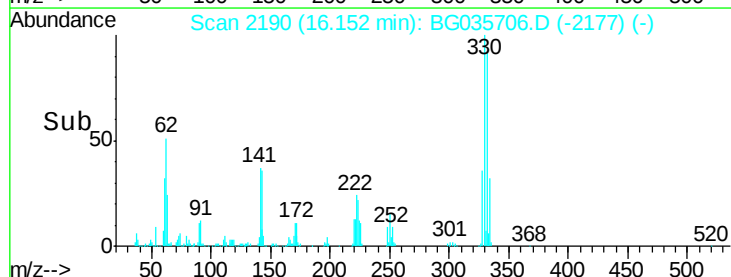
Abundance Ion 248.00 (247.70 to 248.70): E

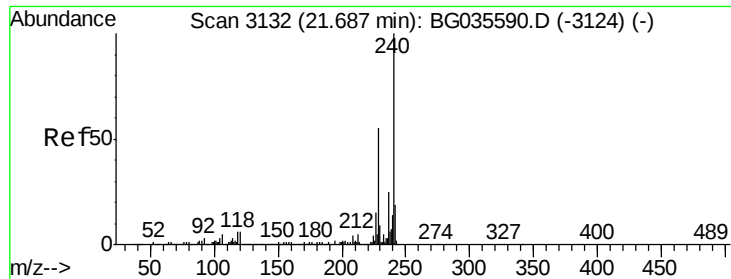
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.10 16.15 16.20

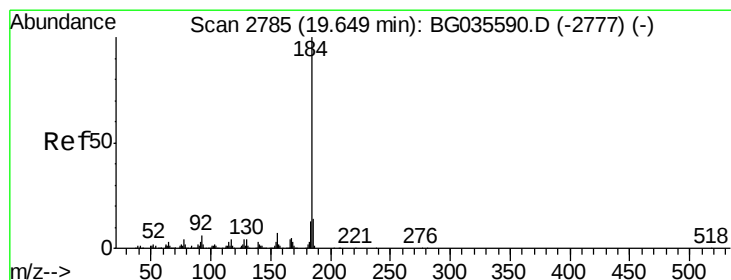
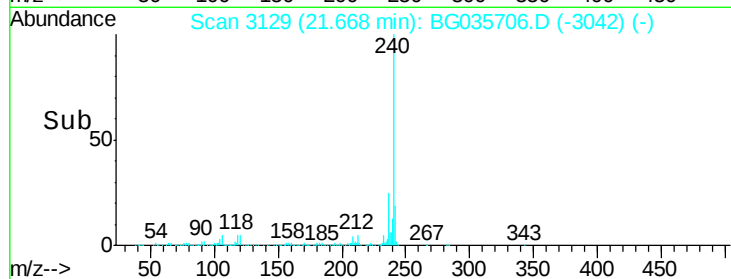
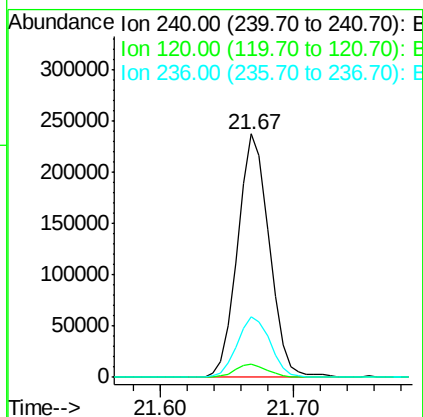
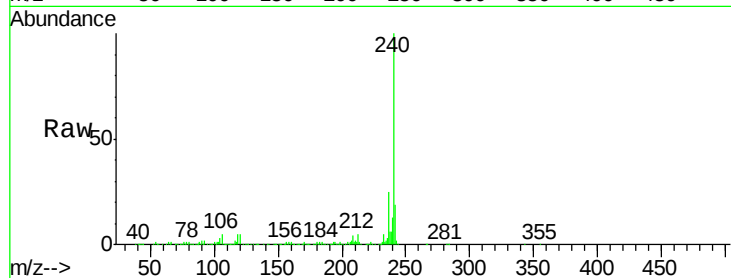




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.02 min
 Lab File: BG035706.D
 Acq: 18 Jul 2018 7:04

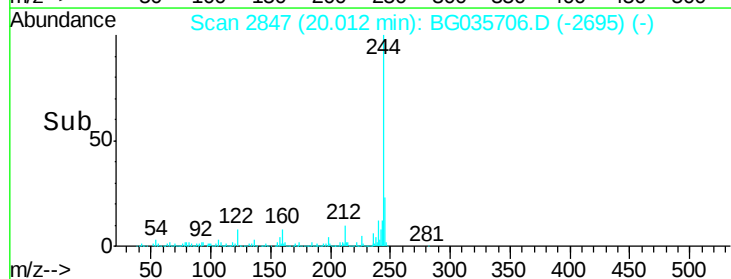
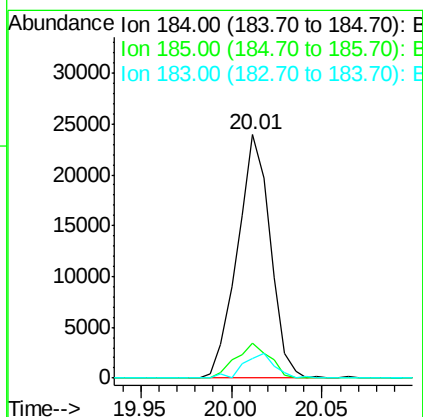
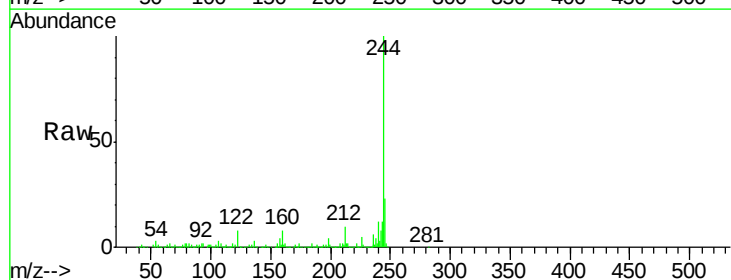
Instrument :
 BNA_G
 ClientSampleId :
 071218-DBRI-F-U-S

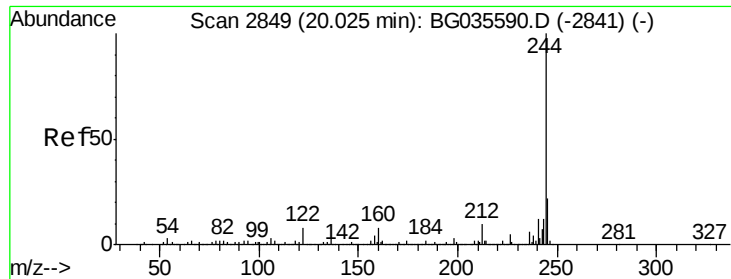
Tgt Ion:240 Resp: 388474
 Ion Ratio Lower Upper
 240 100
 120 5.5 6.8 10.2#
 236 24.8 20.9 31.3



#76
 Benzidine
 Concen: 2.953 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. 0.36 min
 Lab File: BG035706.D
 Acq: 18 Jul 2018 7:04

Tgt Ion:184 Resp: 30160
 Ion Ratio Lower Upper
 184 100
 185 14.5 11.1 16.7
 183 8.2 10.6 16.0#

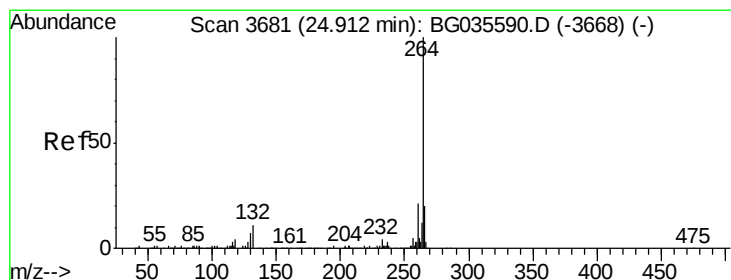
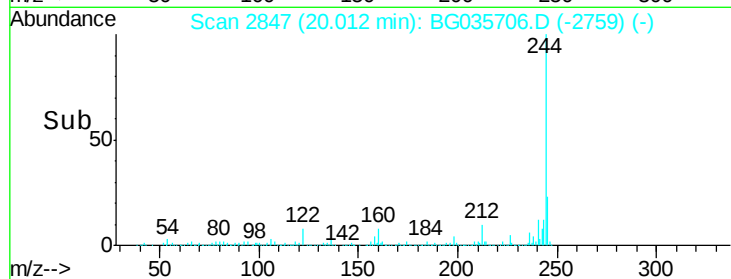
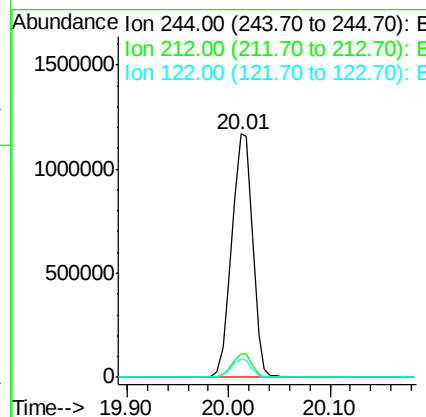
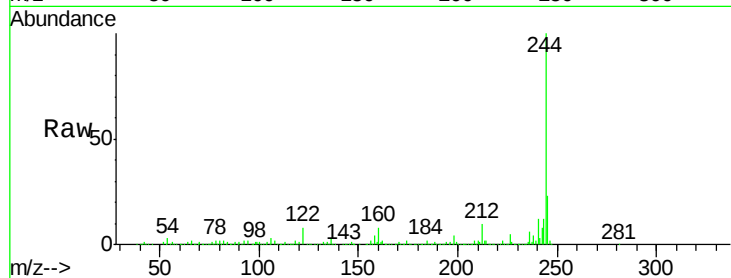




#78
 Terphenyl-d14
 Concen: 95.260 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BG035706.D
 Acq: 18 Jul 2018 7:04

Instrument :
 BNA_G
 ClientSampleId :
 071218-DBRI-F-U-S

Tgt Ion:244 Resp: 1678808
 Ion Ratio Lower Upper
 244 100
 212 9.5 5.8 8.8#
 122 7.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.04 min
 Lab File: BG035706.D
 Acq: 18 Jul 2018 7:04

Tgt Ion:264 Resp: 384280
 Ion Ratio Lower Upper
 264 100
 260 23.4 17.4 26.0
 265 20.3 17.7 26.5

