

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072518\
 Data File : BG035898.D
 Acq On : 26 Jul 2018 7:30
 Operator : JU/SJ
 Sample : J4107-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 071918-DBRI-E-U-B

Quant Time: Jul 26 08:07:14 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 25 11:04:14 2018
 Response via : Initial Calibration

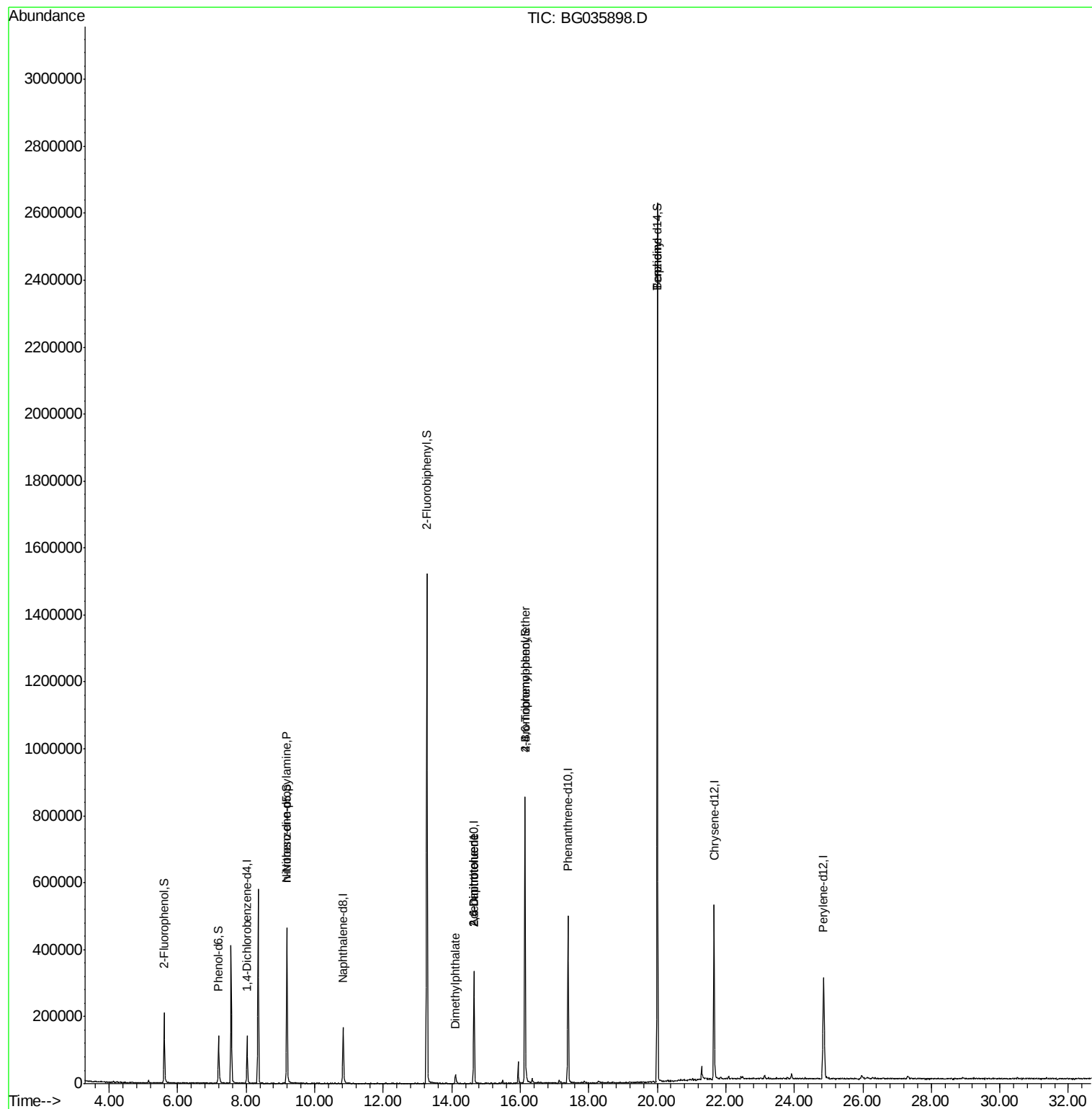
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	38663	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	153072	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	118580	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	340992	20.00	ng	0.00
75) Chrysene-d12	21.65	240	348727	20.00	ng	0.00
86) Perylene-d12	24.86	264	331215	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	97569	41.90	ng	0.00
7) Phenol-d6	7.19	99	98394	28.32	ng	0.00
23) Nitrobenzene-d5	9.19	82	329006	89.79	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	163661	104.71	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	848451	95.86	ng	0.00
78) Terphenyl-d14	20.00	244	1284227	81.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	46782	15.989	ng	# 69
49) Dimethylphthalate	14.11	163	26607	2.561	ng	# 97
50) 2,6-Dinitrotoluene	14.65	165	15750	7.444	ng	# 21
56) 2,4-Dinitrotoluene	14.65	165	15750	5.189	ng	# 19
66) 4-Bromophenyl-phenylether	16.14	248	14020	3.544	ng	# 1
76) Benzidine	20.00	184	22865	2.494	ng	# 91

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

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Quant Time: Jul 26 08:07:14 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 25 11:04:14 2018
Response via : Initial Calibration



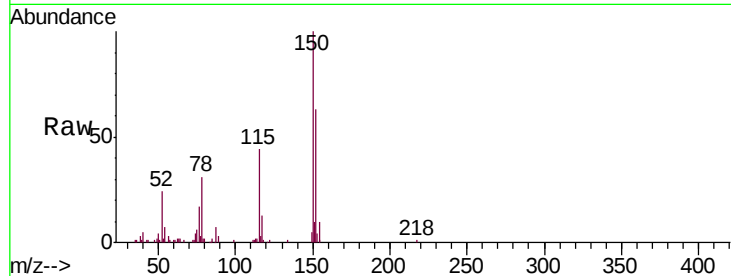


#1

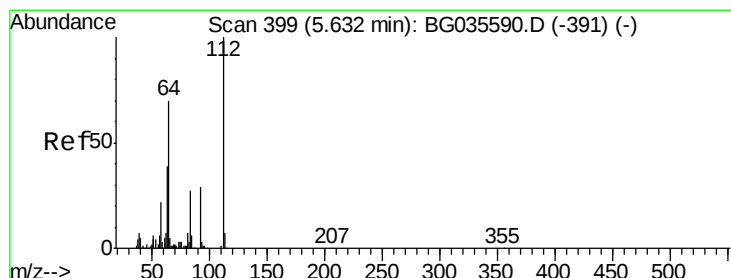
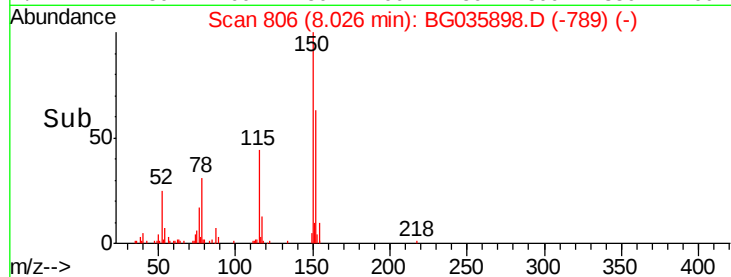
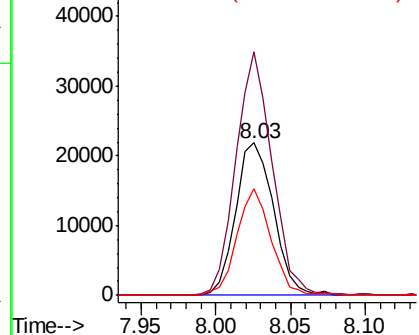
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035898.D
Acq: 26 Jul 2018 7:30

Instrument :
BNA_G
ClientSampleId :
071918-DBRI-E-U-B

Tgt Ion:152 Resp: 38663
Ion Ratio Lower Upper
152 100
150 159.9 126.6 189.8
115 70.3 53.0 79.4



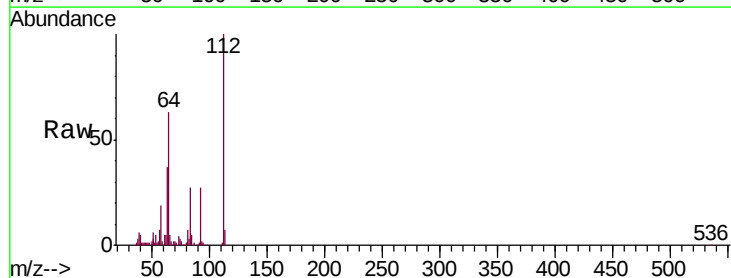
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



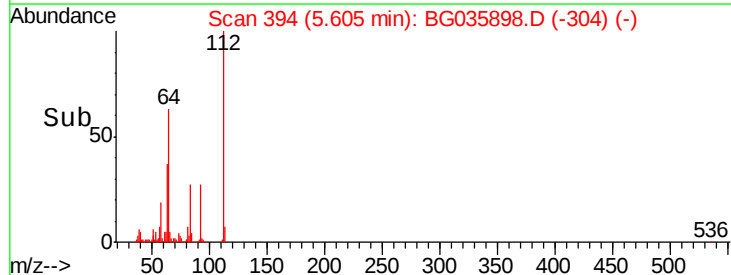
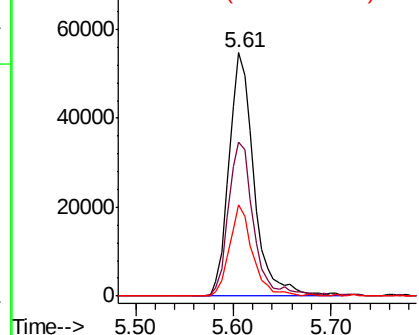
#5

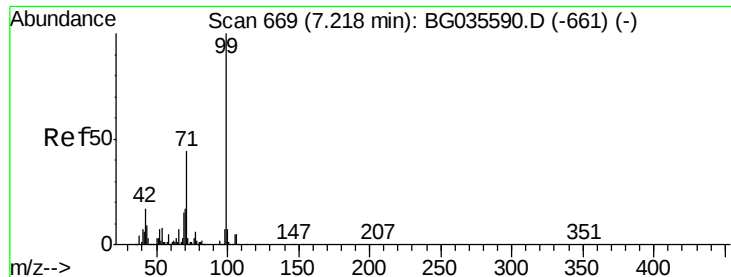
2-Fluorophenol
Concen: 41.897 ng
RT: 5.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG035898.D
Acq: 26 Jul 2018 7:30

Tgt Ion:112 Resp: 97569
Ion Ratio Lower Upper
112 100
64 63.3 56.3 84.5
63 37.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 28.319 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.00 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

Instrument :

BNA_G

ClientSampleId :

071918-DBRI-E-U-B

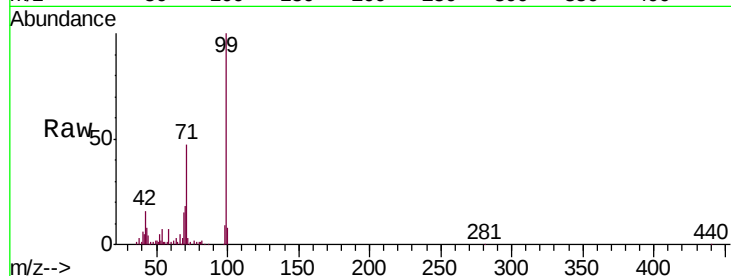
Tgt Ion: 99 Resp: 98394

Ion Ratio Lower Upper

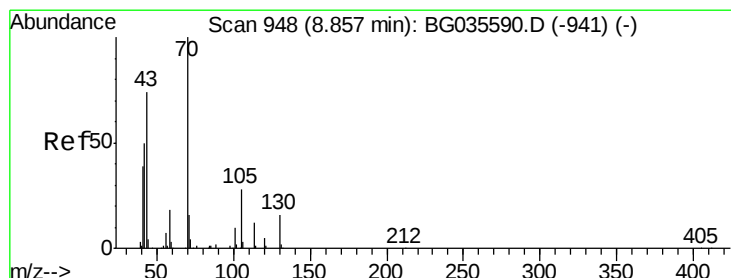
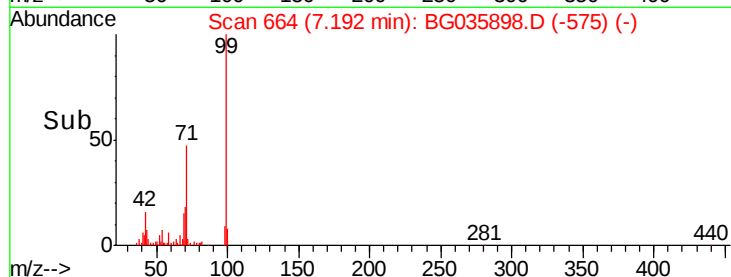
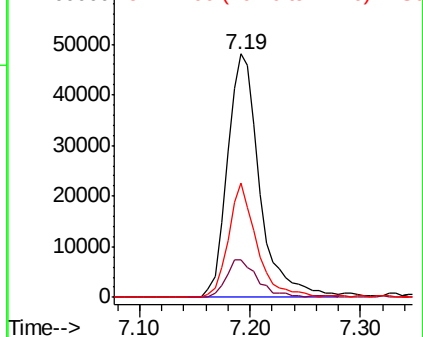
99 100

42 15.6 14.1 21.1

71 46.7 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: 15.989 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

Tgt Ion: 70 Resp: 46782

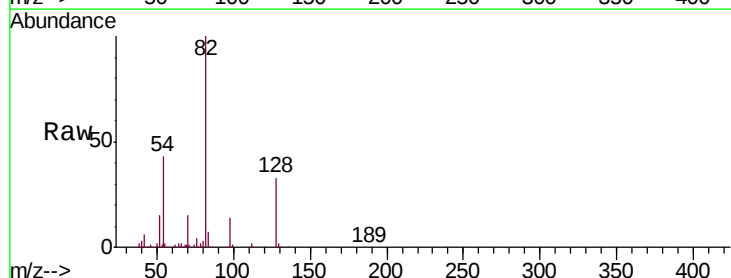
Ion Ratio Lower Upper

70 100

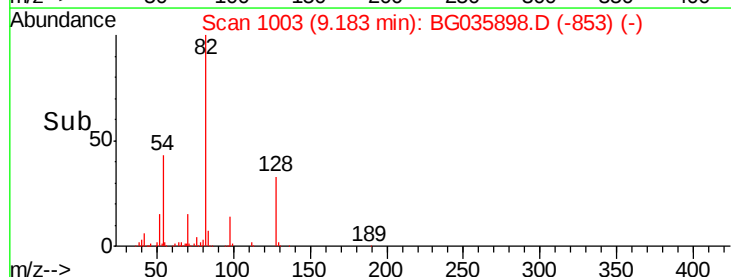
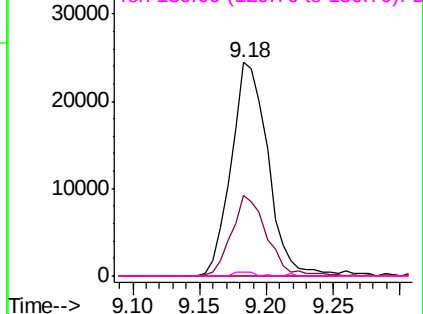
42 37.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 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

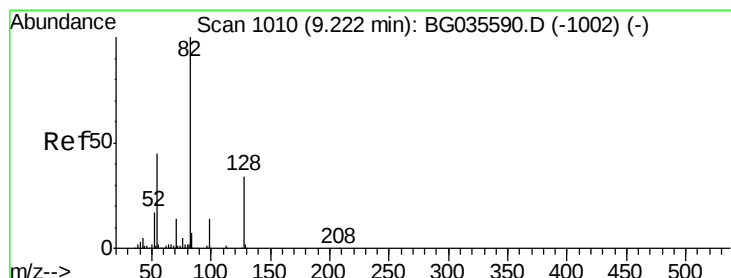
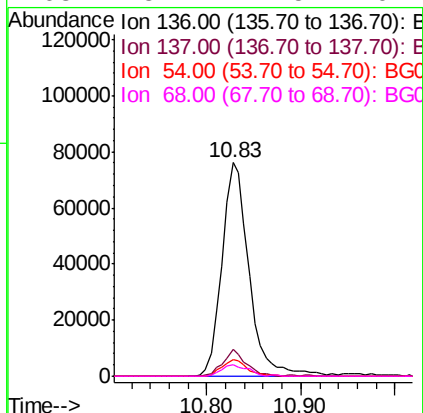
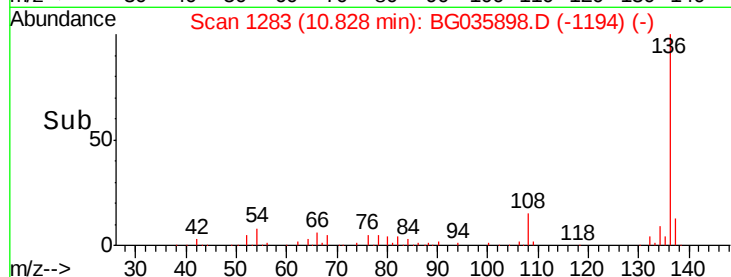
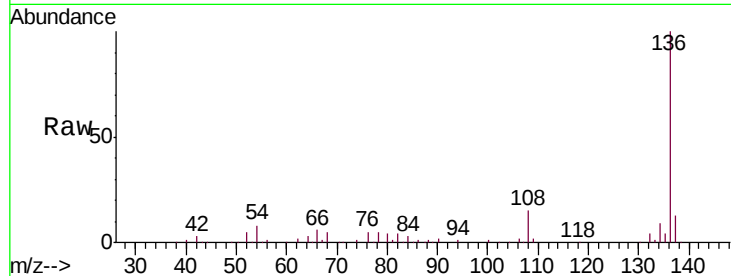




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BG035898.D
Acq: 26 Jul 2018 7:30

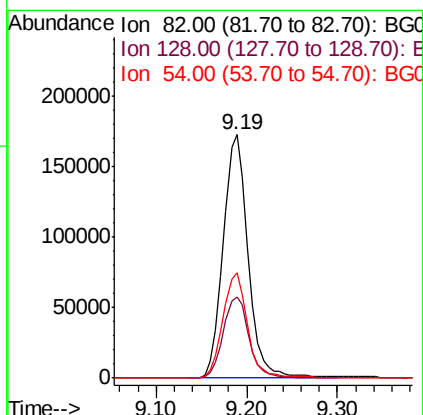
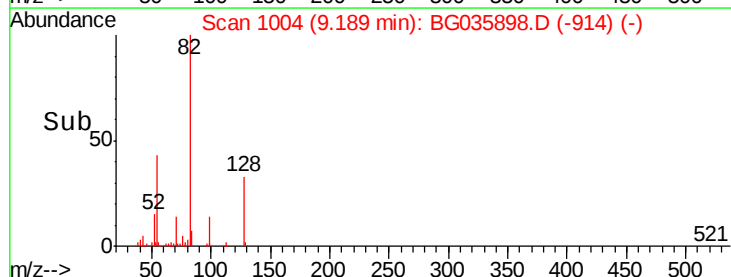
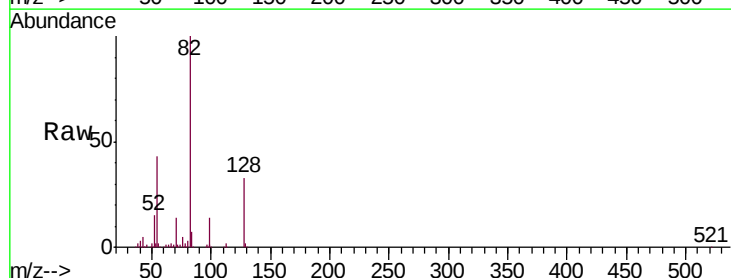
Instrument :
BNA_G
ClientSampleId :
071918-DBRI-E-U-B

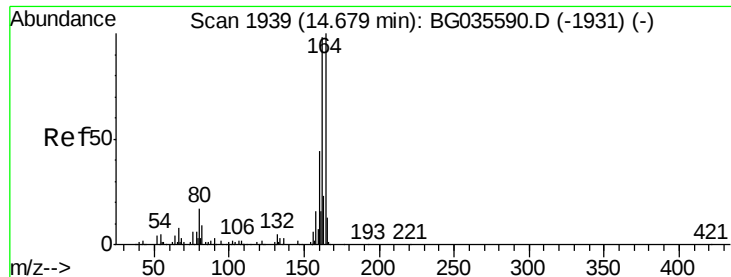
Tgt Ion:	136	Resp:	153072
Ion Ratio	Lower	Upper	
136	100		
137	12.7	9.2	13.8
54	7.8	10.3	15.5
68	5.4	4.5	6.7



#23
Nitrobenzene-d5
Concen: 89.789 ng
RT: 9.19 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BG035898.D
Acq: 26 Jul 2018 7:30

Tgt Ion:	82	Resp:	329006
Ion Ratio	Lower	Upper	
82	100		
128	33.5	29.7	44.5
54	43.5	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

Instrument :

BNA_G

ClientSampleId :

071918-DBRI-E-U-B

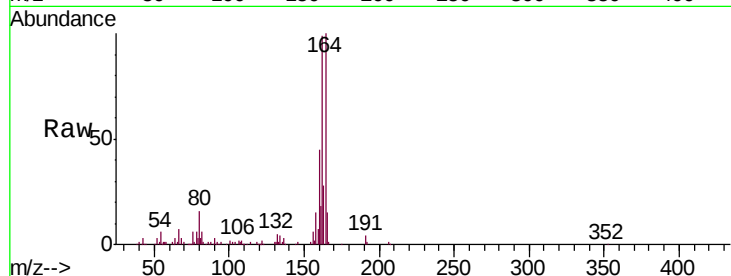
Tgt Ion:164 Resp: 118580

Ion Ratio Lower Upper

164 100

162 99.0 78.8 118.2

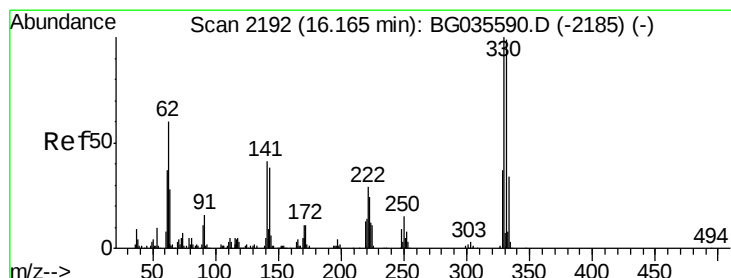
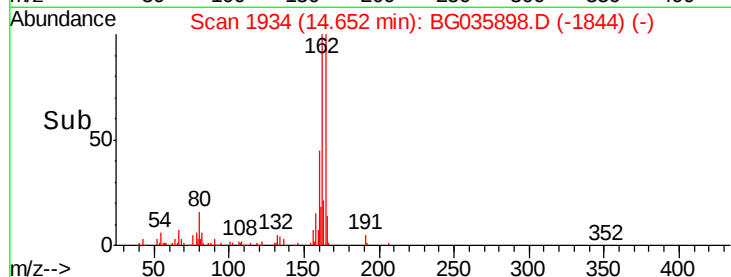
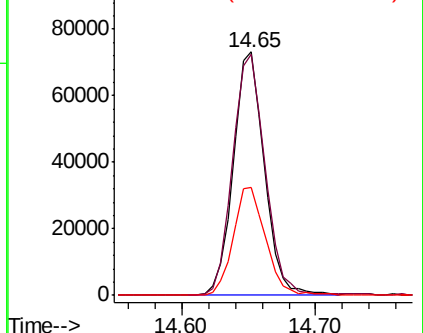
160 44.5 35.4 53.0



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: 104.712 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

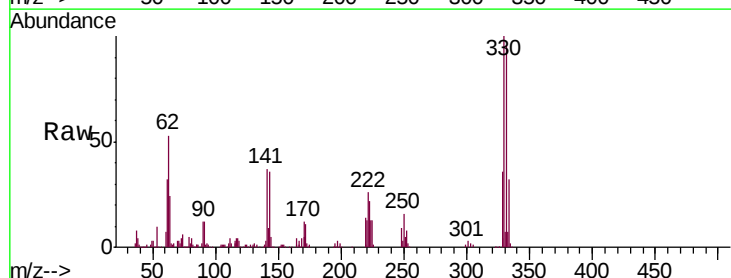
Tgt Ion:330 Resp: 163661

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

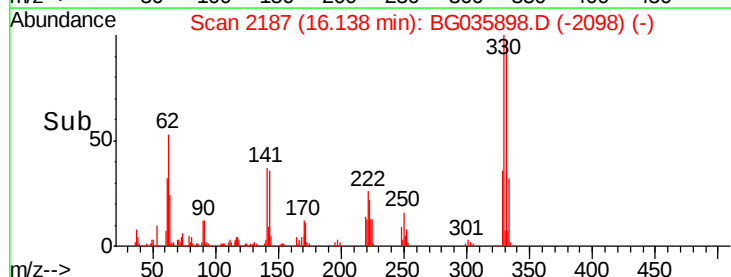
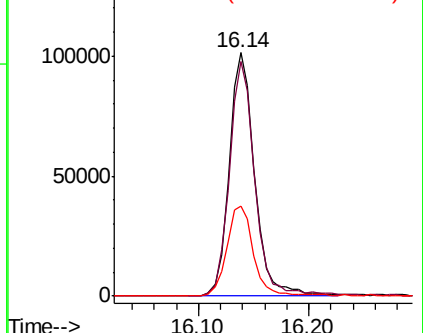
141 39.0 25.2 37.8#

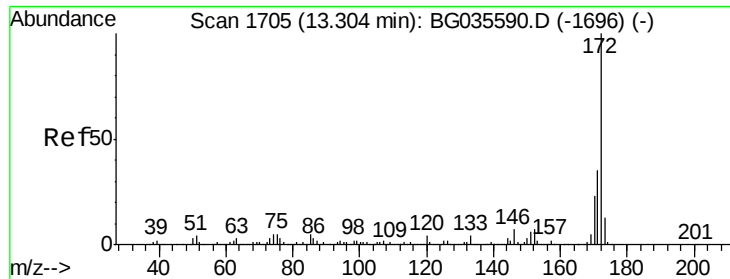


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

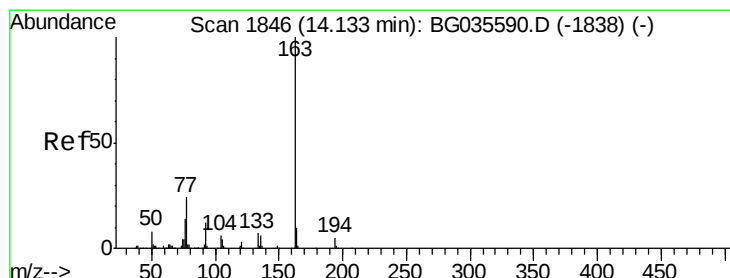
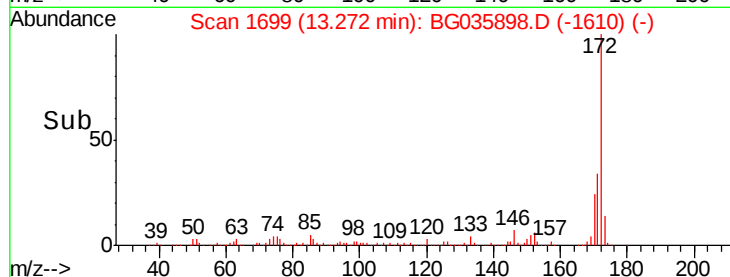
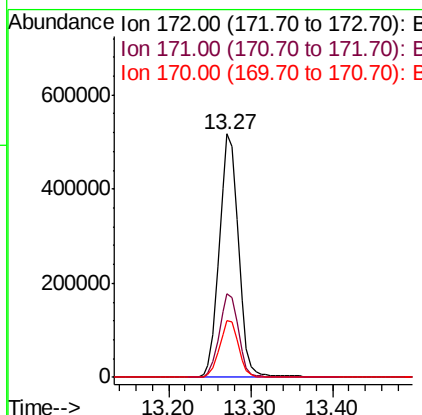
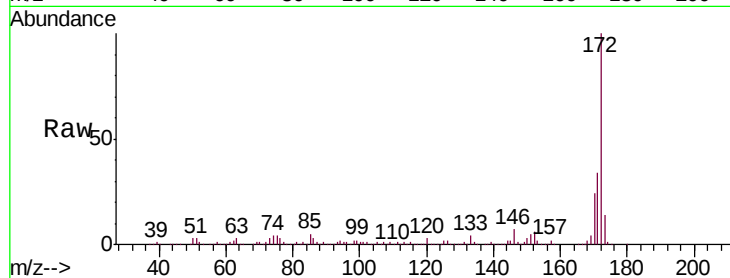




#44
 2-Fluorobiphenyl
 Concen: 95.860 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BG035898.D
 Acq: 26 Jul 2018 7:30

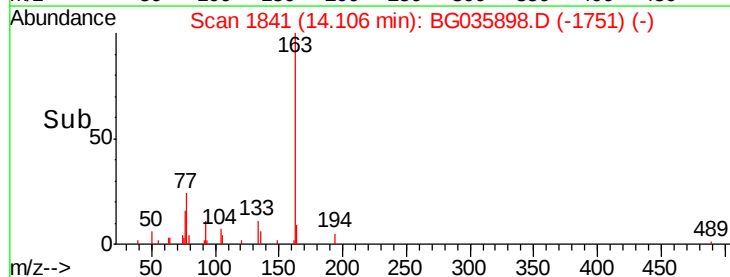
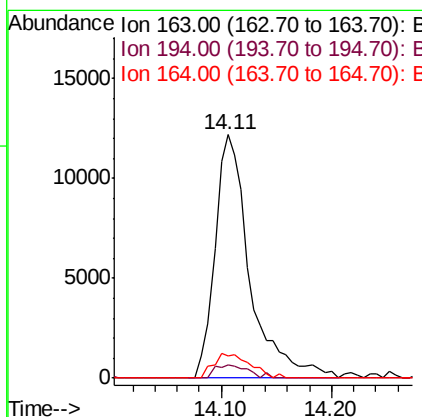
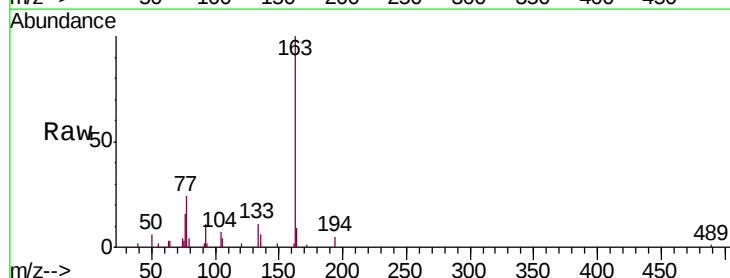
Instrument :
 BNA_G
 ClientSampleId :
 071918-DBRI-E-U-B

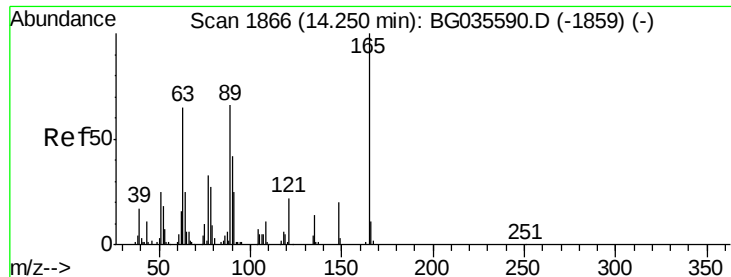
Tgt Ion:	172	Resp:	848451
Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.0	45.0
170	23.5	19.5	29.3



#49
 Dimethylphthalate
 Concen: 2.561 ng
 RT: 14.11 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BG035898.D
 Acq: 26 Jul 2018 7:30

Tgt Ion:	163	Resp:	26607
Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.4	5.2#
164	9.3	8.2	12.4





#50

2,6-Dinitrotoluene

Concen: 7.444 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.42 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

Instrument :

BNA_G

ClientSampleId :

071918-DBRI-E-U-B

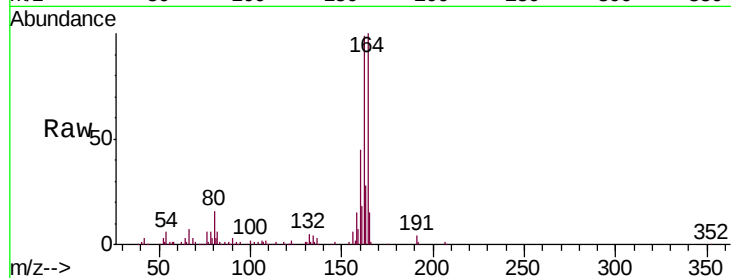
Tgt Ion:165 Resp: 15750

Ion Ratio Lower Upper

165 100

63 2.0 52.7 79.1#

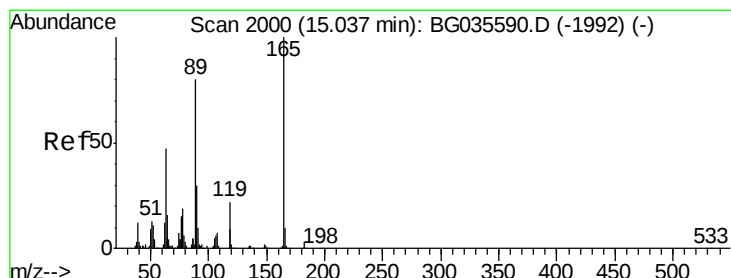
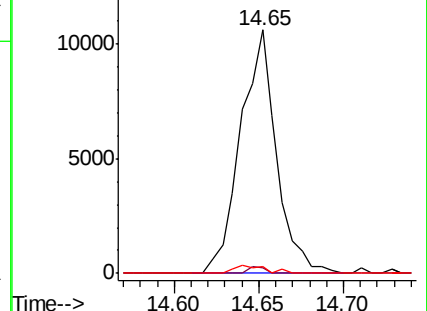
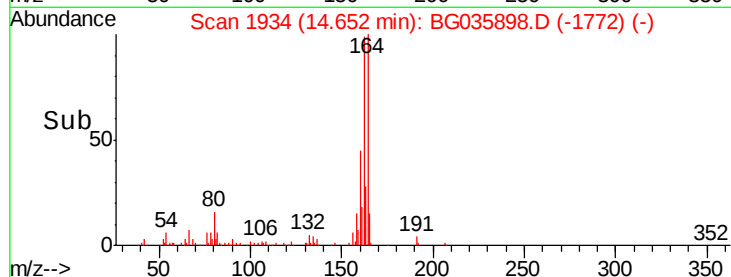
89 2.9 49.2 73.8#



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



#56

2,4-Dinitrotoluene

Concen: 5.189 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.36 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

Tgt Ion:165 Resp: 15750

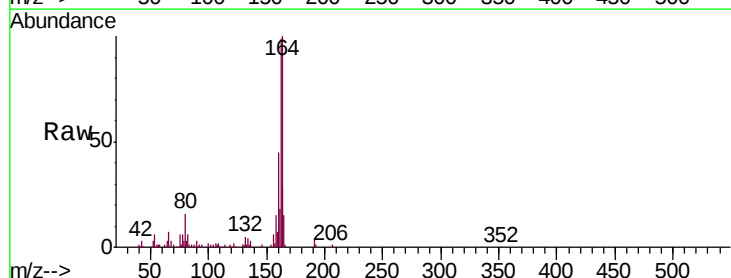
Ion Ratio Lower Upper

165 100

63 2.0 42.0 63.0#

89 2.9 66.9 100.3#

182 0.0 2.6 3.8#

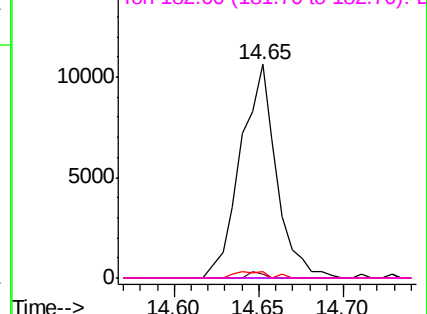
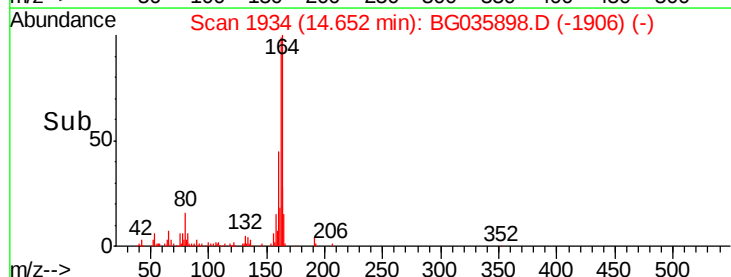


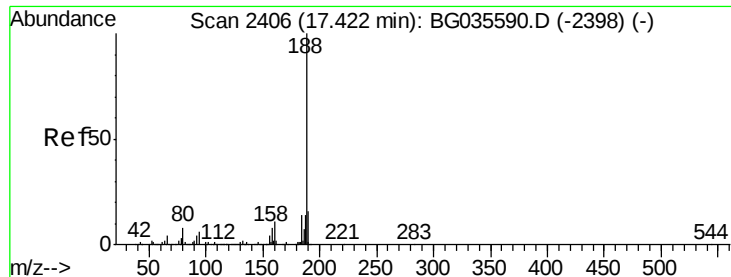
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2401

Delta R.T. 0.00 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

Instrument :

BNA_G

ClientSampleId :

071918-DBRI-E-U-B

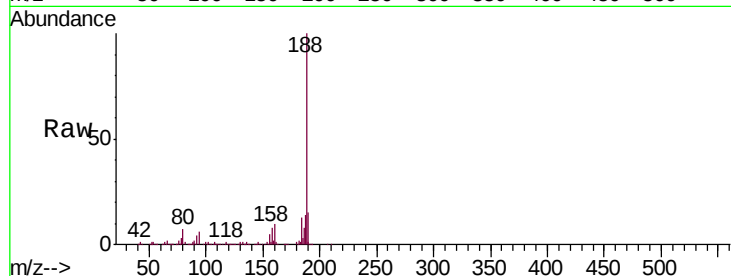
Tgt Ion:188 Resp: 340992

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

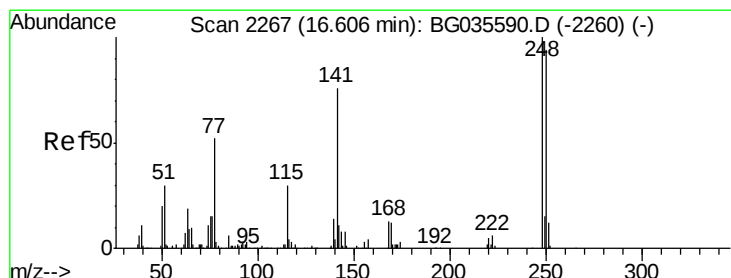
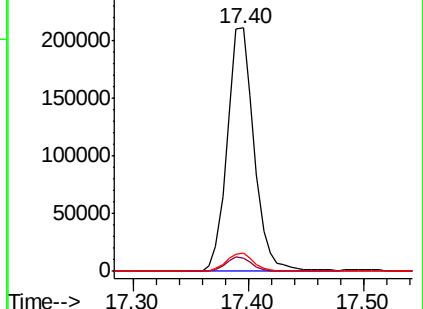
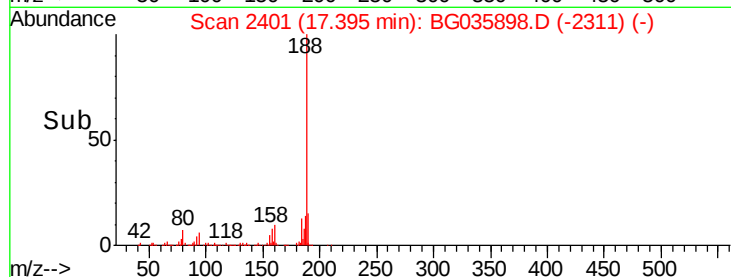
80 7.3 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#66

4-Bromophenyl-phenylether

Concen: 3.544 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.45 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

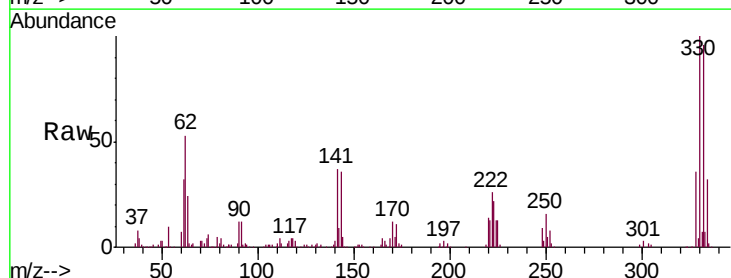
Tgt Ion:248 Resp: 14020

Ion Ratio Lower Upper

248 100

250 181.3 77.1 115.7#

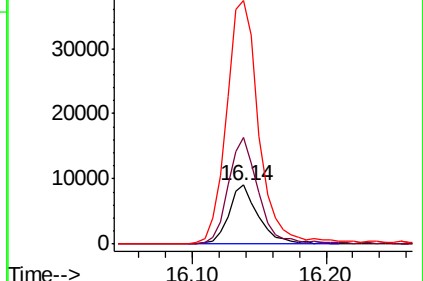
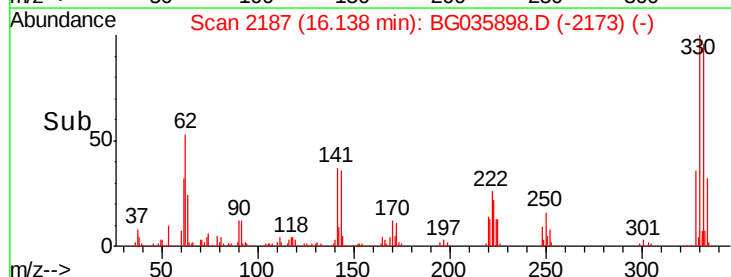
141 414.9 50.8 76.2#

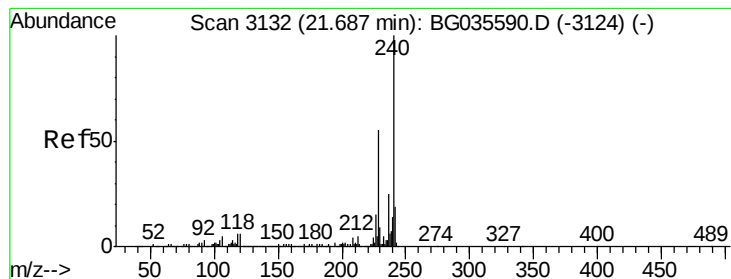


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.65 min Scan# 3126

Delta R.T. -0.00 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

Instrument :

BNA_G

ClientSampleId :

071918-DBRI-E-U-B

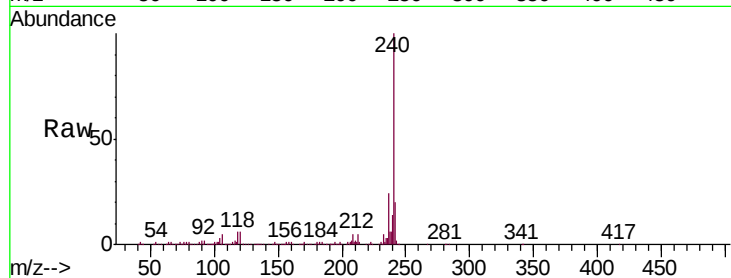
Tgt Ion:240 Resp: 348727

Ion Ratio Lower Upper

240 100

120 5.8 6.8 10.2#

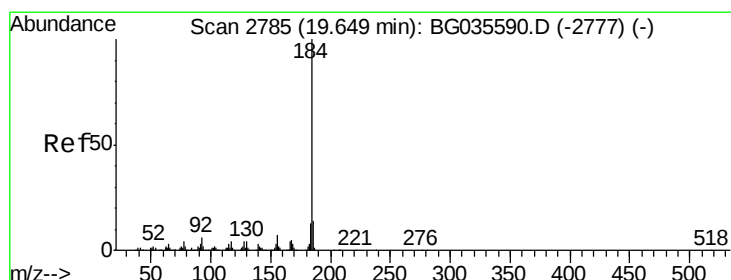
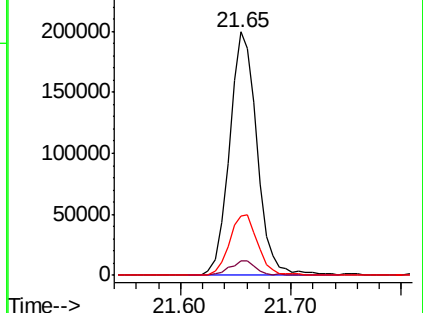
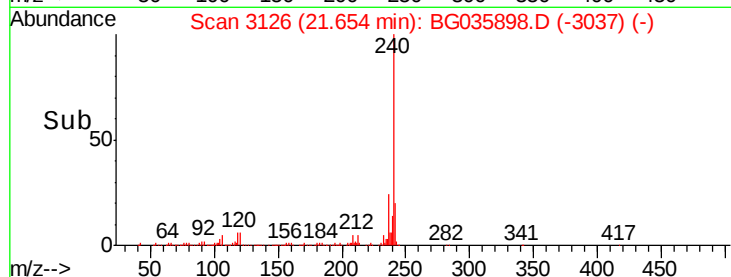
236 24.3 20.9 31.3



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: 2.494 ng

RT: 20.00 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

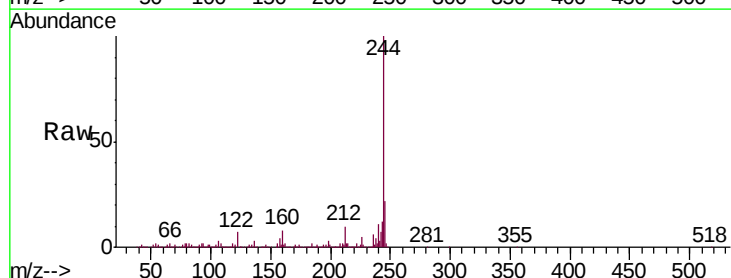
Tgt Ion:184 Resp: 22865

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

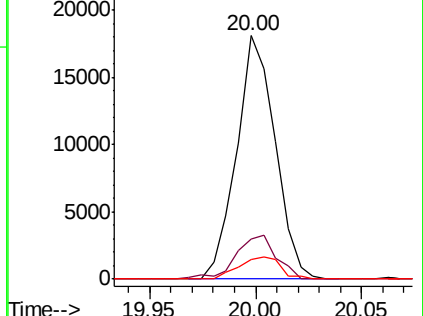
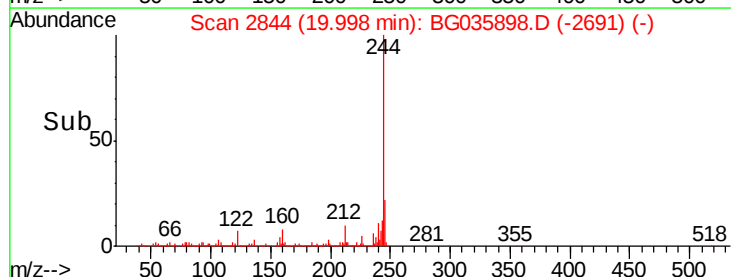
183 8.1 10.6 16.0#

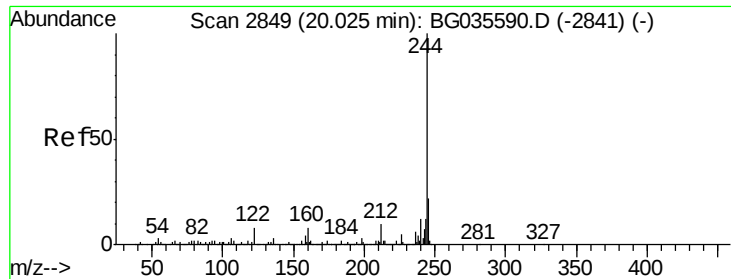


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 81.176 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

Instrument :

BNA_G

ClientSampleId :

071918-DBRI-E-U-B

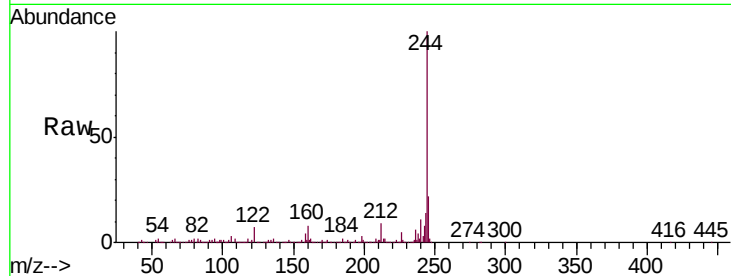
Tgt Ion:244 Resp: 1284227

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

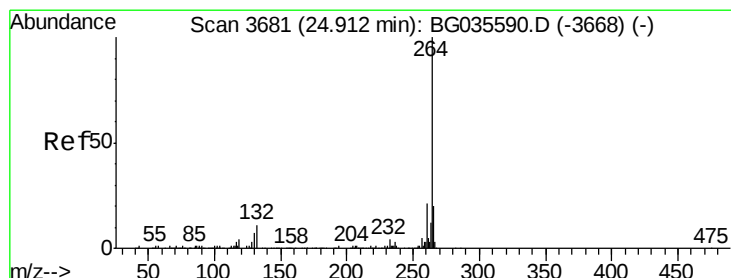
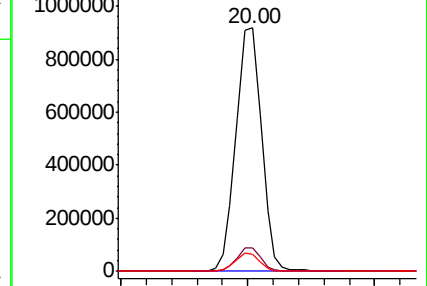
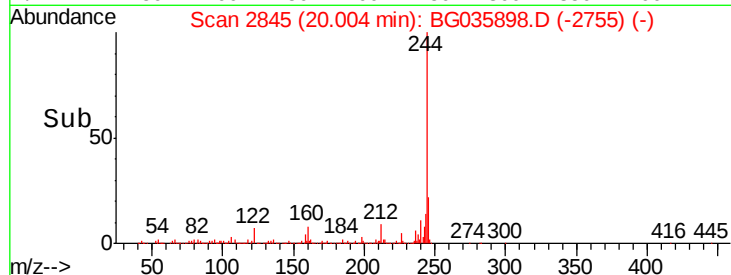
122 6.8 7.0 10.4#



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: 24.86 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BG035898.D

Acq: 26 Jul 2018 7:30

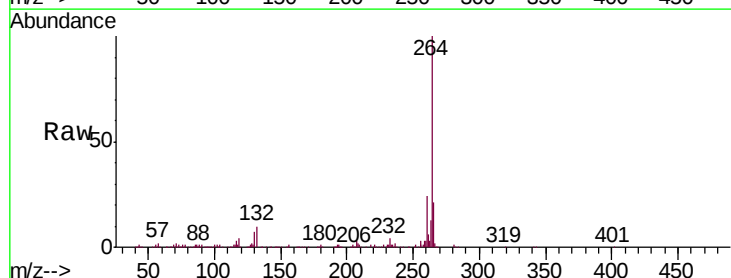
Tgt Ion:264 Resp: 331215

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 21.3 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

