

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062218\
 Data File : BG035356.D
 Acq On : 23 Jun 2018 7:06
 Operator : JU/SJ
 Sample : J3587-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 061818-DBRI-E-U-S

Quant Time: Jun 25 05:47:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

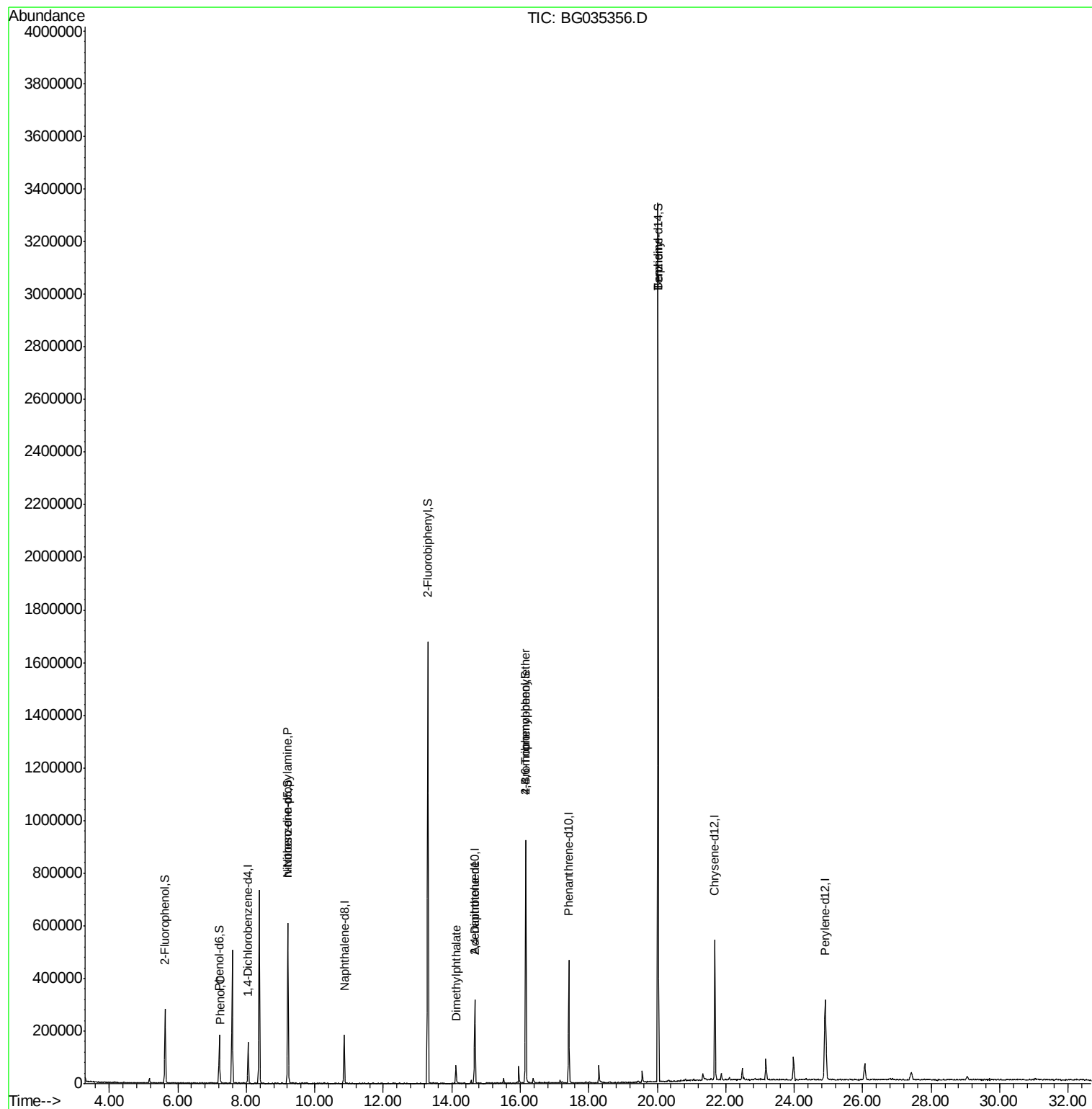
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44822	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	158668	20.00	ng	-0.02
38) Acenaphthene-d10	14.67	164	107471	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	297279	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	342930	20.00	ng	-0.04
86) Perylene-d12	24.90	264	332494	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	124080	46.72	ng	-0.01
7) Phenol-d6	7.21	99	108406	27.65	ng	-0.01
23) Nitrobenzene-d5	9.21	82	394295	118.12	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	173085	125.81	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	923898	111.76	ng	-0.03
78) Terphenyl-d14	20.02	244	1573093	96.09	ng	-0.02
Target Compounds						
10) Phenol	7.23	94	9312	2.295	ng	# 73
19) n-Nitroso-di-n-propylamine	9.21	70	54023	16.221	ng	# 70
49) Dimethylphthalate	14.12	163	47746	5.095	ng	# 95
56) 2,4-Dinitrotoluene	14.67	165	15334	6.752	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	14216	3.971	ng	# 1
76) Benzidine	20.02	184	27266	2.137	ng	# 89

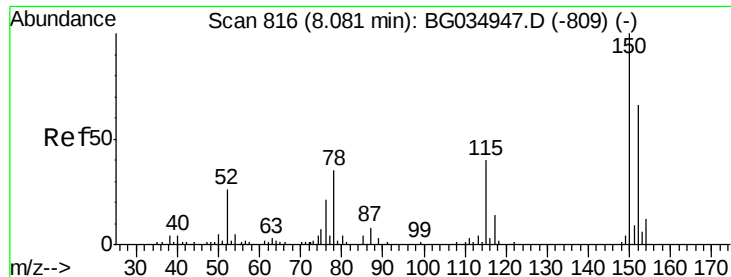
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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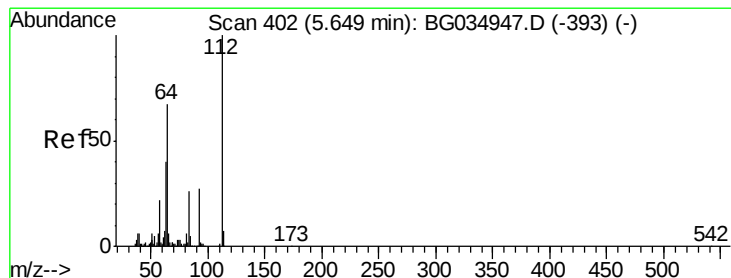
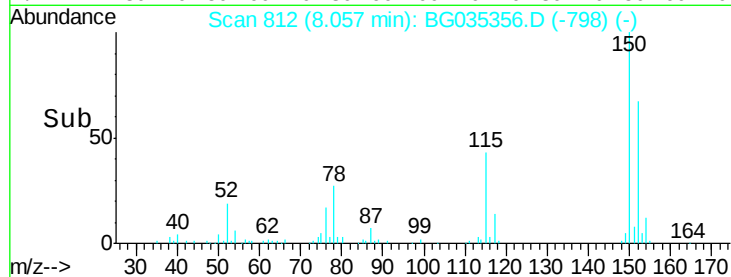
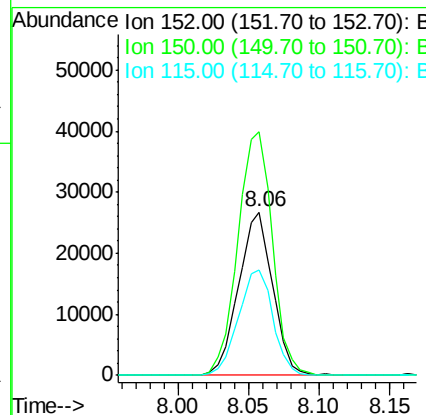
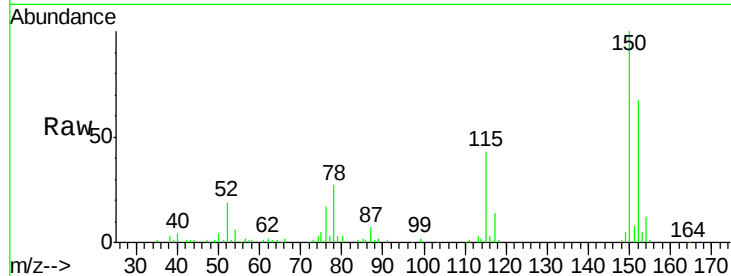


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035356.D
Acq: 23 Jun 2018 7:06

Instrument :
BNA_G
ClientSampleId :
061818-DBRI-E-U-S

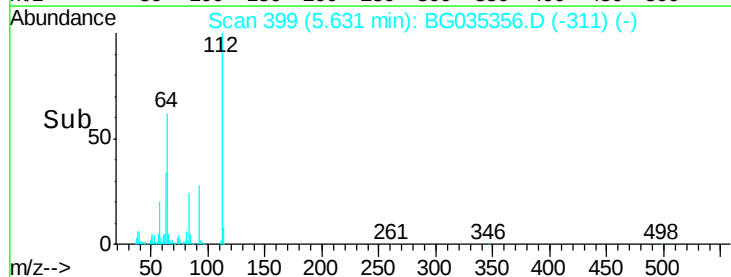
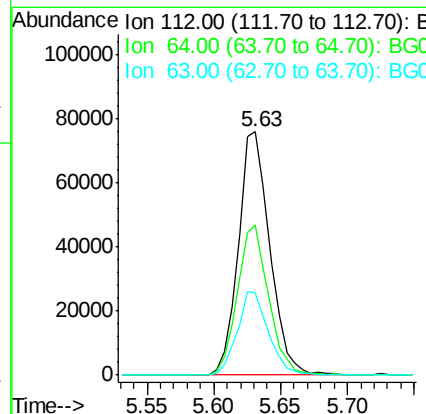
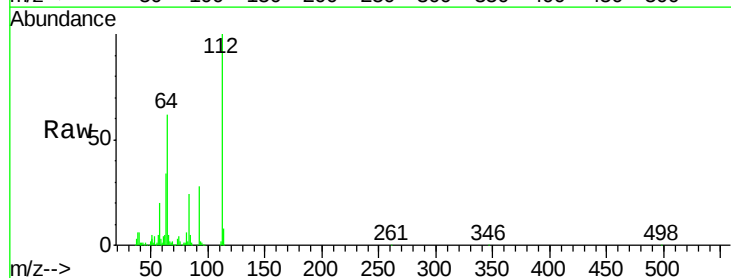
Tgt Ion:152 Resp: 44822
Ion Ratio Lower Upper
152 100
150 148.9 126.6 189.8
115 64.3 53.0 79.4

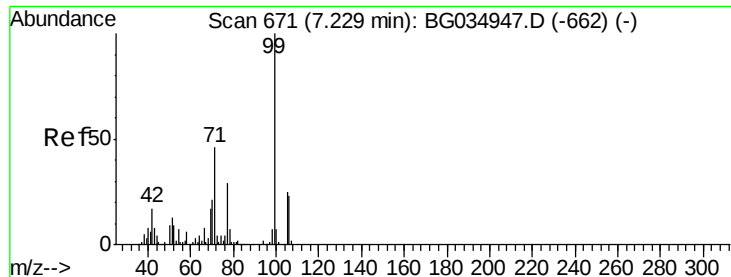


#5

2-Fluorophenol
Concen: 46.718 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035356.D
Acq: 23 Jun 2018 7:06

Tgt Ion:112 Resp: 124080
Ion Ratio Lower Upper
112 100
64 61.8 56.3 84.5
63 33.7 30.1 45.1





#7

Phenol-d6

Concen: 27.654 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035356.D

Acq: 23 Jun 2018 7:06

Instrument :

BNA_G

ClientSampleId :

061818-DBRI-E-U-S

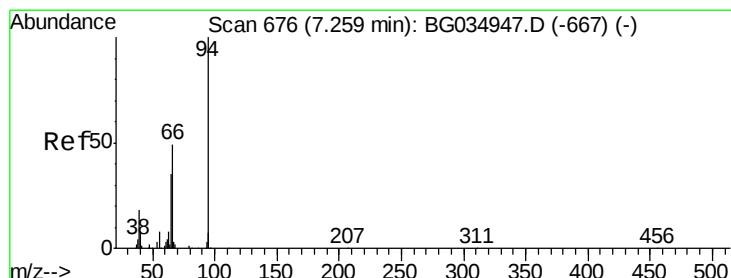
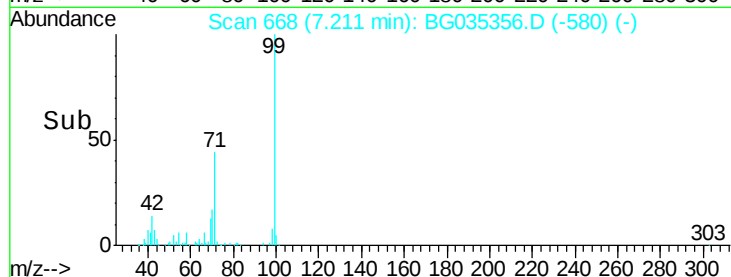
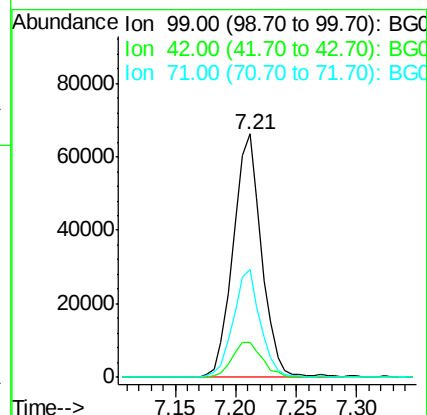
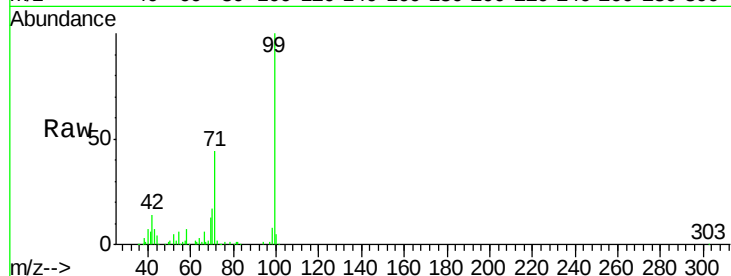
Tgt Ion: 99 Resp: 108406

Ion Ratio Lower Upper

99 100

42 14.1 14.1 21.1

71 44.1 26.1 39.1#



#10

Phenol

Concen: 2.295 ng

RT: 7.23 min Scan# 672

Delta R.T. -0.02 min

Lab File: BG035356.D

Acq: 23 Jun 2018 7:06

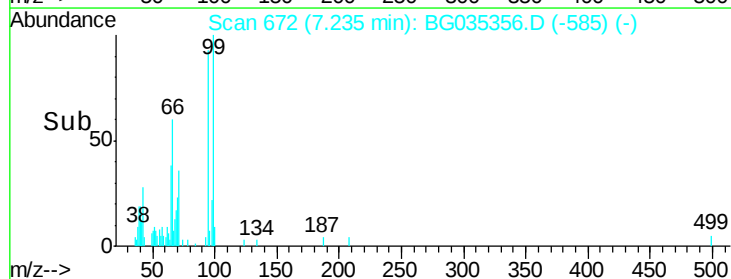
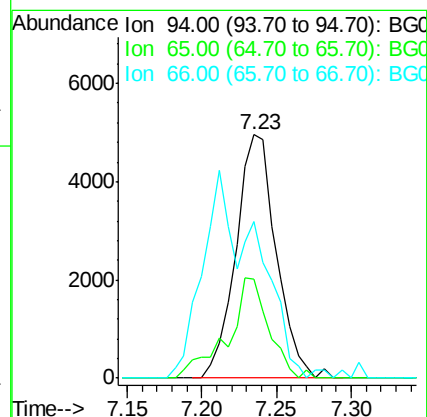
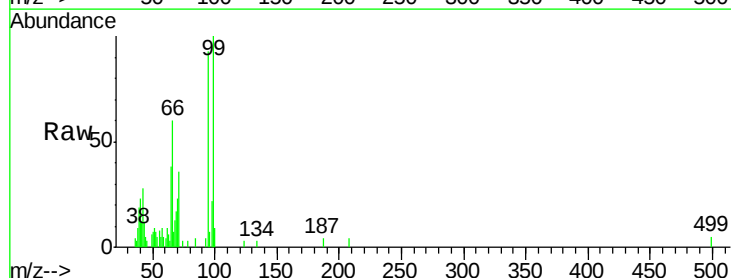
Tgt Ion: 94 Resp: 9312

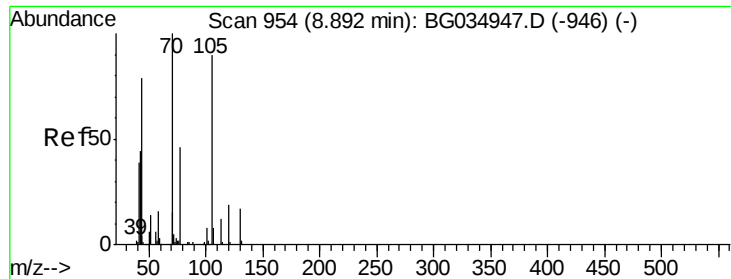
Ion Ratio Lower Upper

94 100

65 40.5 11.9 51.9

66 64.5 22.2 62.2#

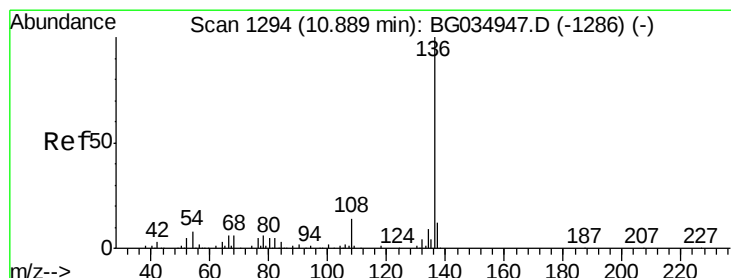
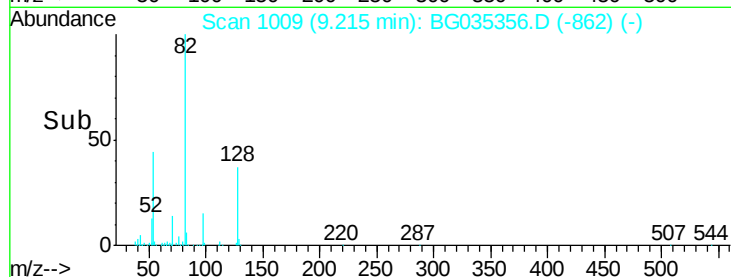
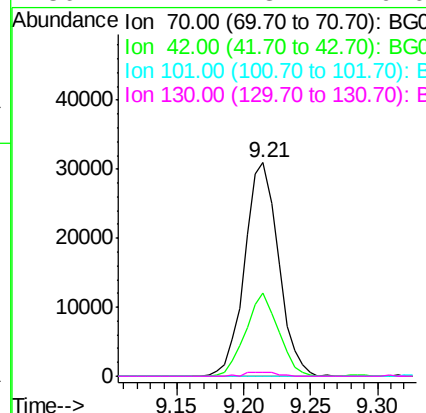
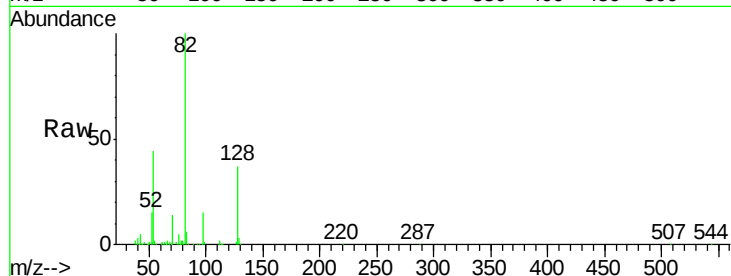




#19
n-Nitroso-di-n-propylamine
Concen: 16.221 ng
RT: 9.21 min Scan# 1009
Delta R.T. 0.33 min
Lab File: BG035356.D
Acq: 23 Jun 2018 7:06

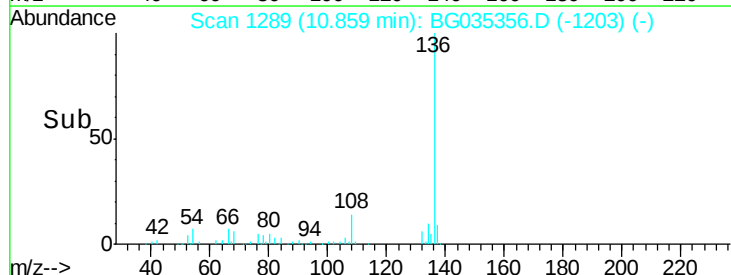
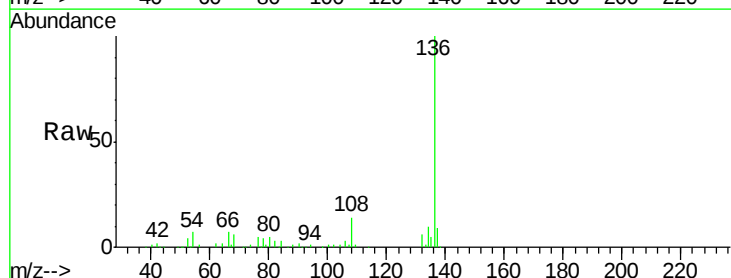
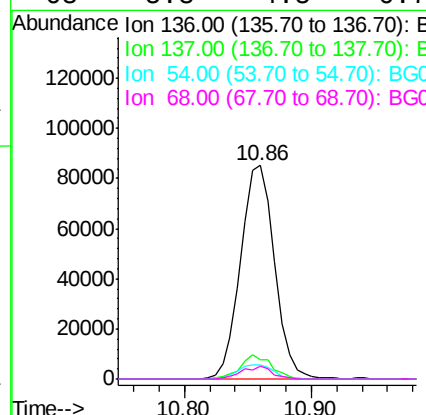
Instrument :
BNA_G
ClientSampleId :
061818-DBRI-E-U-S

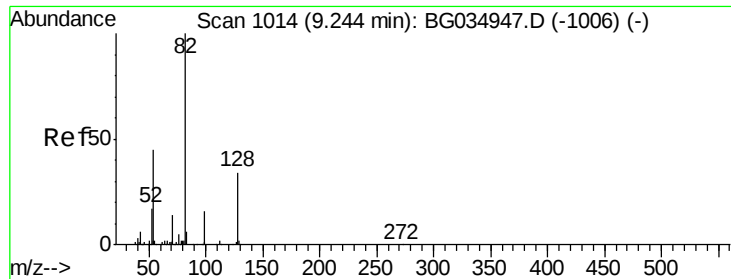
Tgt Ion: 70 Resp: 54023
Ion Ratio Lower Upper
70 100
42 39.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035356.D
Acq: 23 Jun 2018 7:06

Tgt Ion: 136 Resp: 158668
Ion Ratio Lower Upper
136 100
137 9.2 9.2 13.8
54 6.8 10.3 15.5#
68 5.8 4.5 6.7

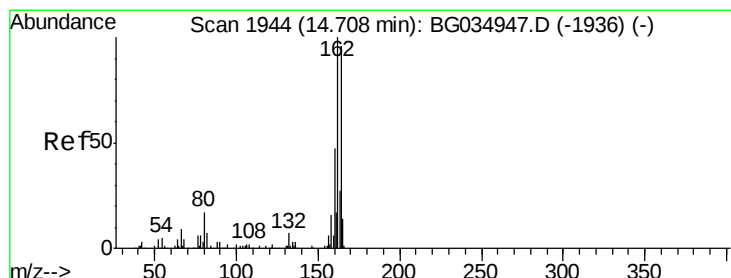
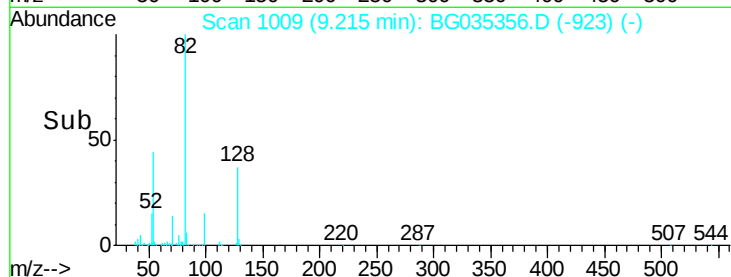
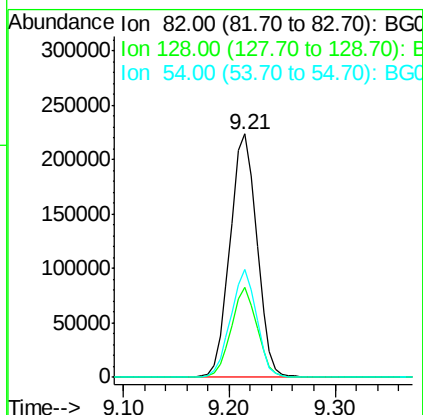
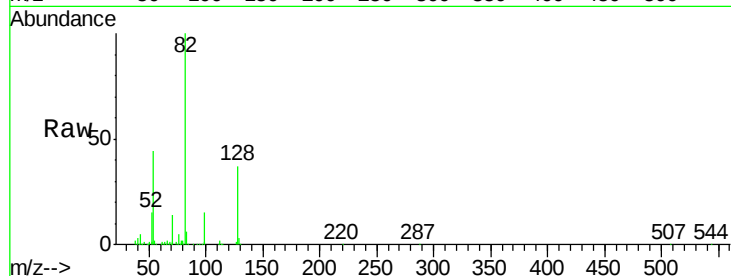




#23
 Nitrobenzene-d5
 Concen: 118.124 ng
 RT: 9.21 min Scan# 1009
 Delta R.T. -0.02 min
 Lab File: BG035356.D
 Acq: 23 Jun 2018 7:06

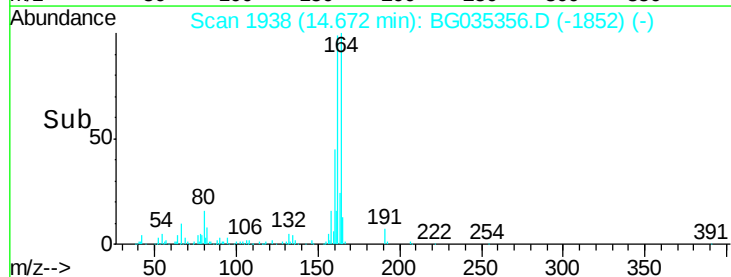
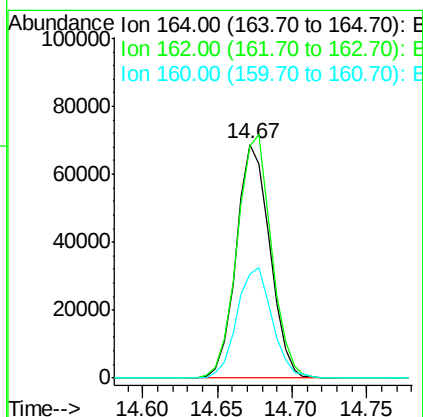
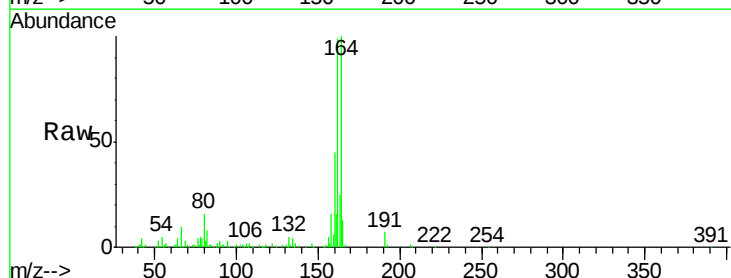
Instrument :
 BNA_G
 ClientSampleId :
 061818-DBRI-E-U-S

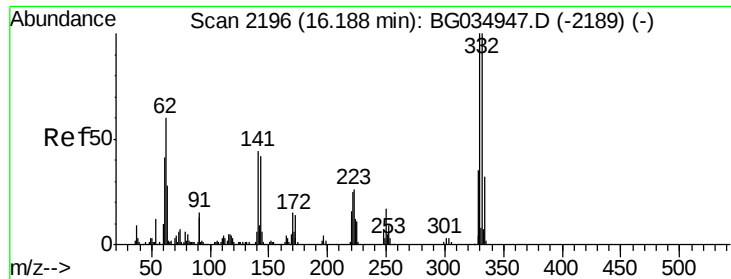
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.2	29.7	44.5
54	44.3	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.02 min
 Lab File: BG035356.D
 Acq: 23 Jun 2018 7:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.8	118.2
160	44.8	35.4	53.0

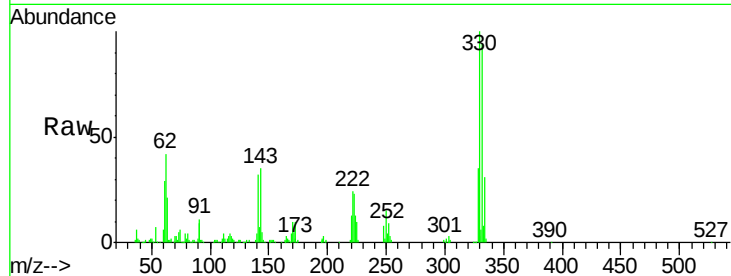




#41
 2,4,6-Tribromophenol
 Concen: 125.810 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: BG035356.D
 Acq: 23 Jun 2018 7:06

Instrument :
 BNA_G
 ClientSampleId :
 061818-DBRI-E-U-S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.1	77.0	115.6
141	36.3	25.2	37.8

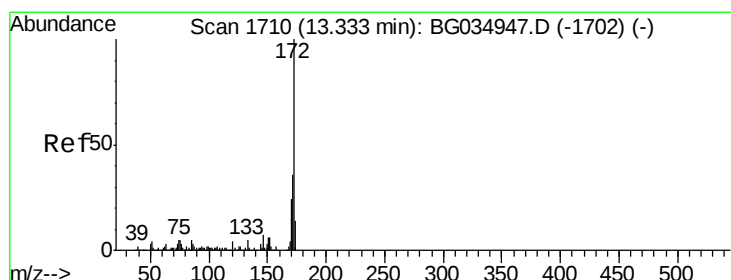
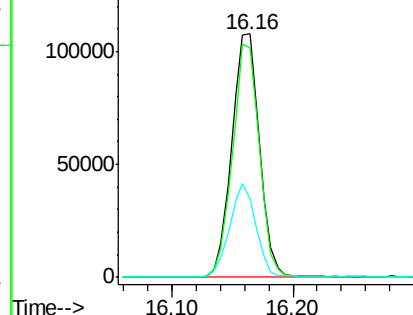
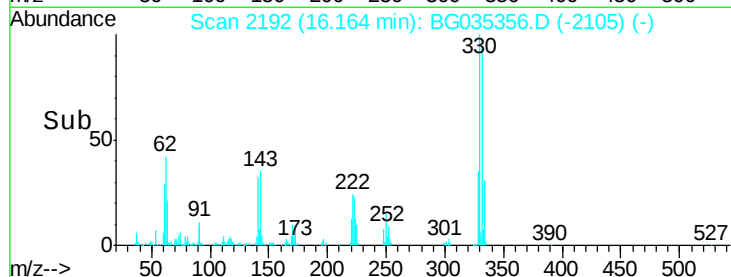


Abundance

Ion 329.80 (329.50 to 330.50): E

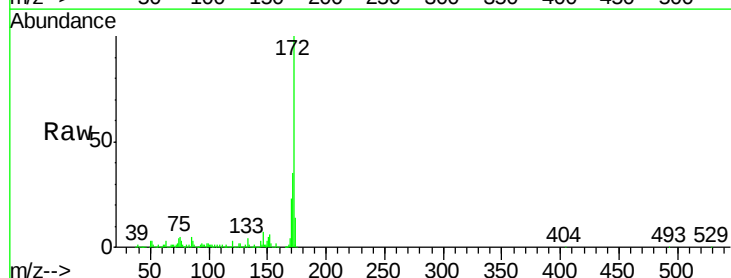
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 111.757 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035356.D
 Acq: 23 Jun 2018 7:06

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

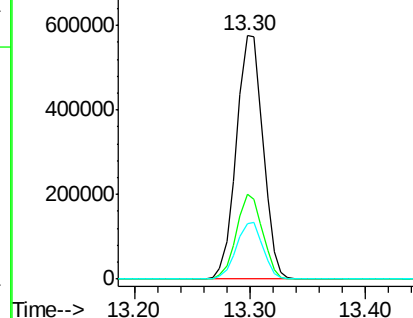
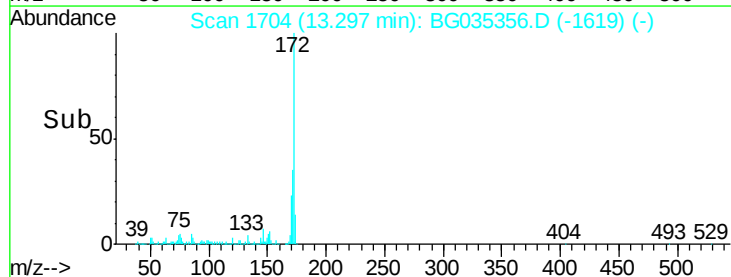


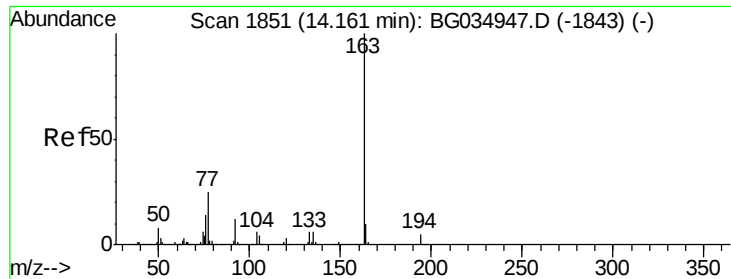
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.095 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.04 min

Lab File: BG035356.D

Acq: 23 Jun 2018 7:06

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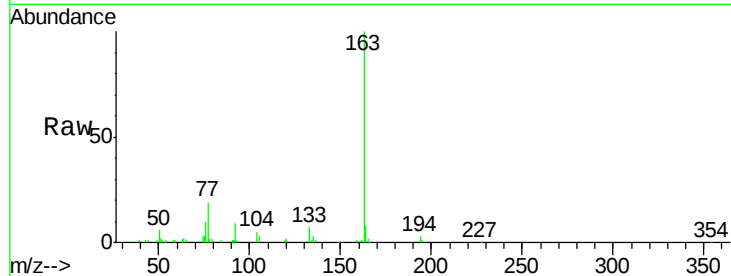
Tgt Ion:163 Resp: 47746

Ion Ratio Lower Upper

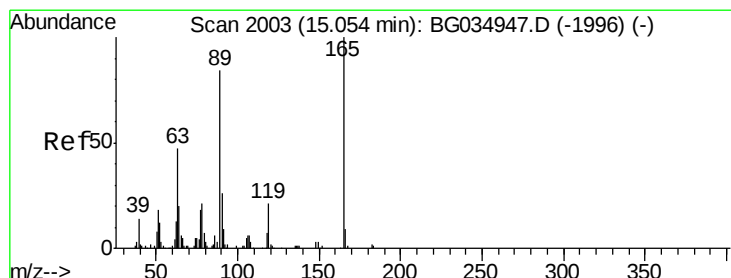
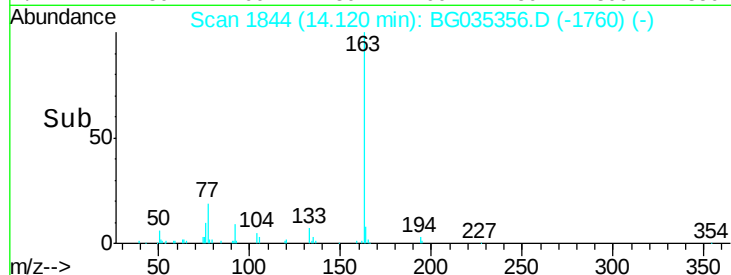
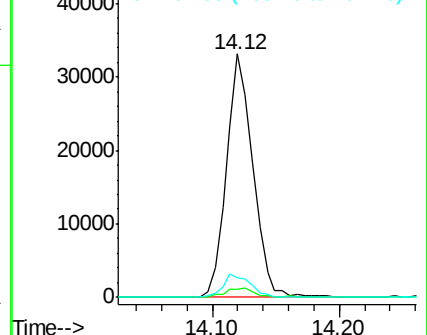
163 100

194 3.5 3.4 5.2

164 8.1 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: 6.752 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.38 min

Lab File: BG035356.D

Acq: 23 Jun 2018 7:06

Tgt Ion:165 Resp: 15334

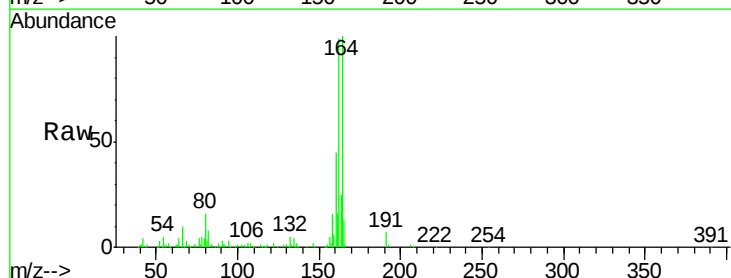
Ion Ratio Lower Upper

165 100

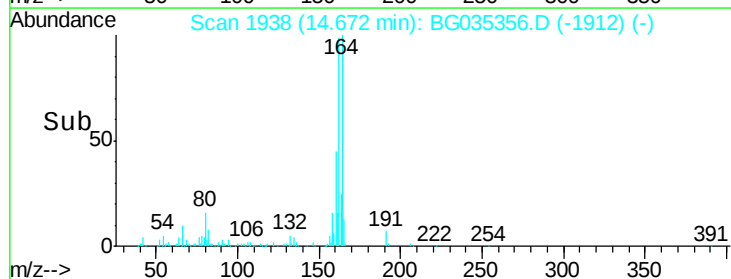
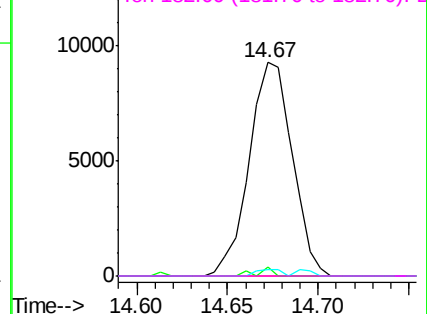
63 4.0 42.0 63.0#

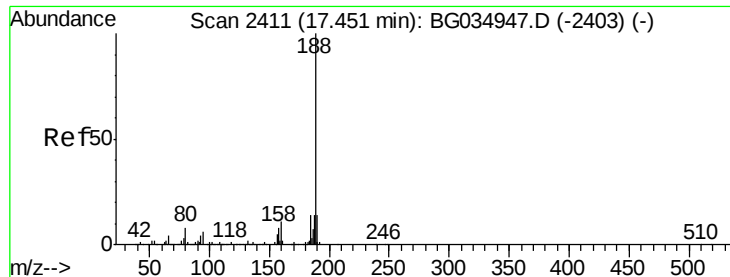
89 3.1 66.9 100.3#

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: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035356.D

Acq: 23 Jun 2018 7:06

Instrument :

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ClientSampleId :

061818-DBRI-E-U-S

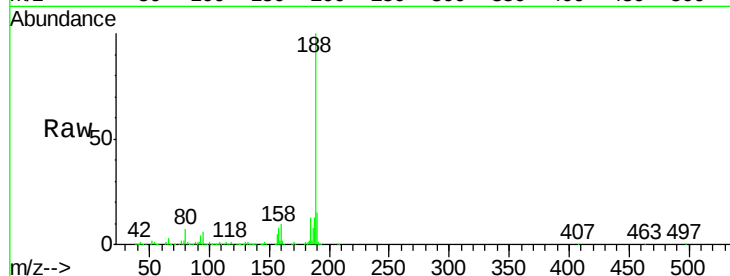
Tgt Ion:188 Resp: 297279

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

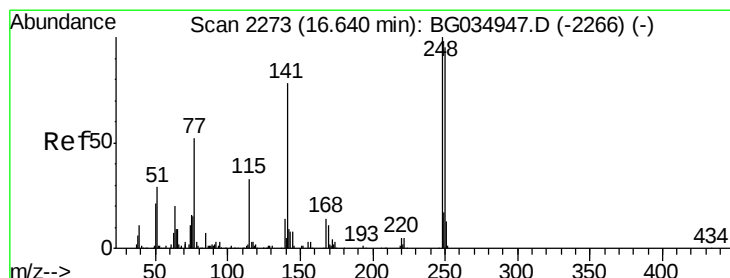
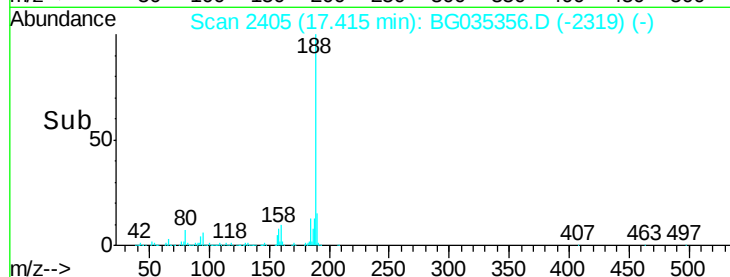
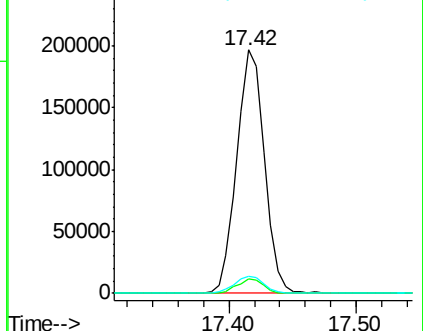
80 7.2 7.7 11.5#



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: 3.971 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.48 min

Lab File: BG035356.D

Acq: 23 Jun 2018 7:06

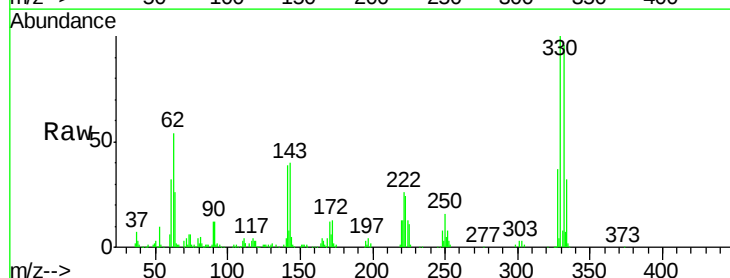
Tgt Ion:248 Resp: 14216

Ion Ratio Lower Upper

248 100

250 190.3 77.1 115.7#

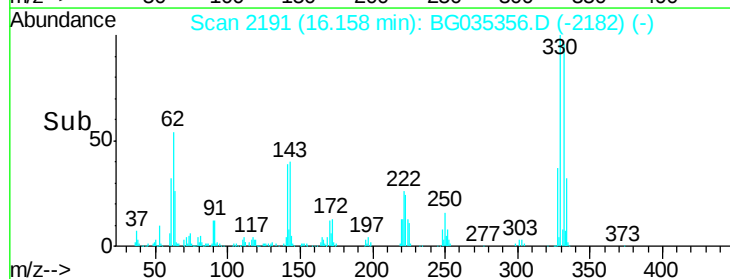
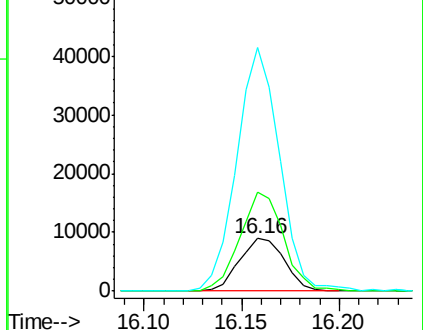
141 465.3 50.8 76.2#

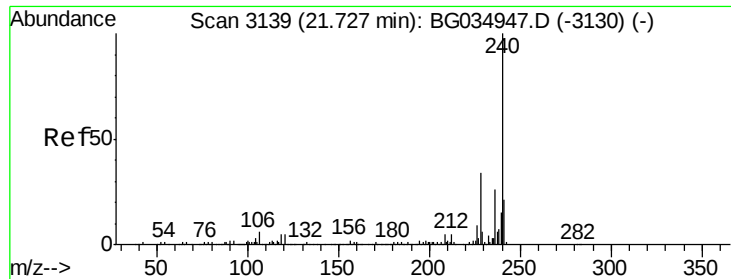


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

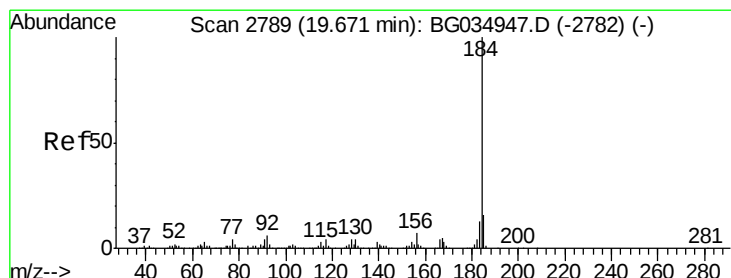
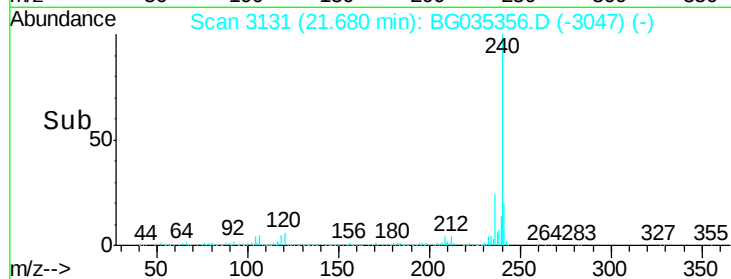
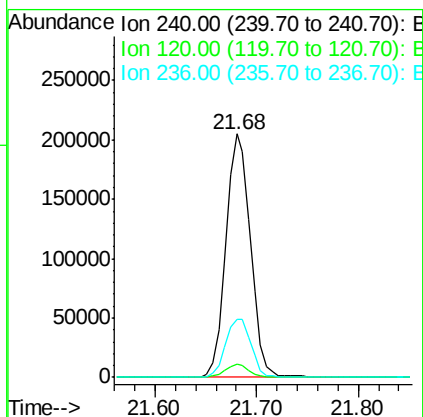
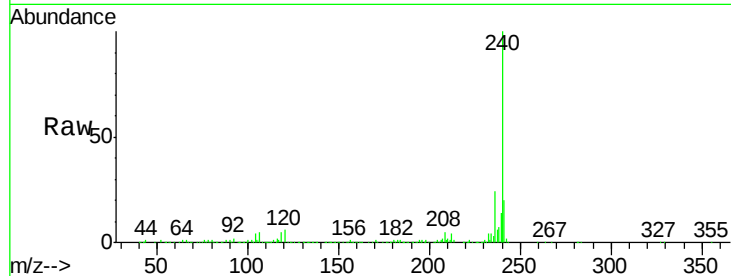




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035356.D
Acq: 23 Jun 2018 7:06

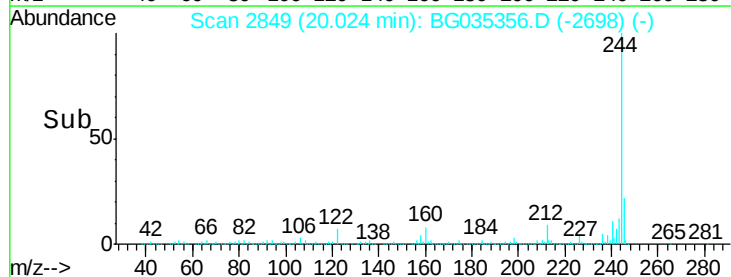
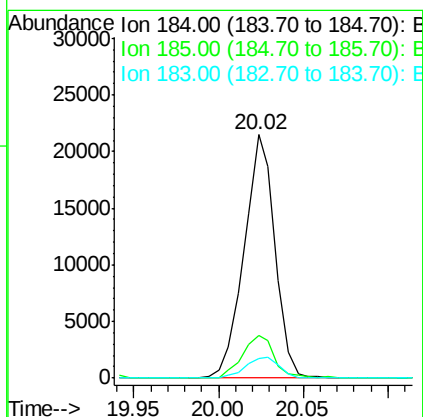
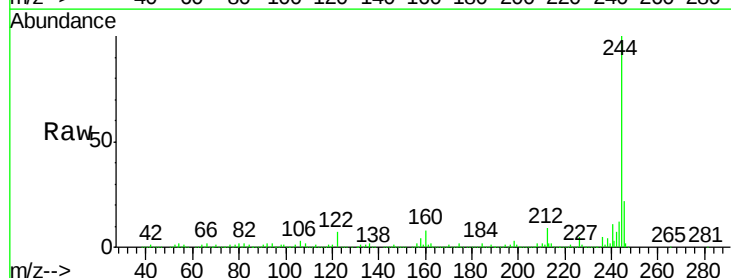
Instrument :
BNA_G
ClientSampleId :
061818-DBRI-E-U-S

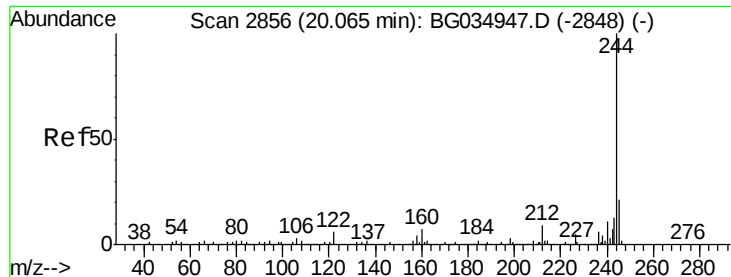
Tgt Ion:240 Resp: 342930
Ion Ratio Lower Upper
240 100
120 5.7 6.8 10.2#
236 23.8 20.9 31.3



#76
Benzidine
Concen: 2.137 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.36 min
Lab File: BG035356.D
Acq: 23 Jun 2018 7:06

Tgt Ion:184 Resp: 27266
Ion Ratio Lower Upper
184 100
185 17.6 11.1 16.7#
183 8.0 10.6 16.0#





#78

Terphenyl-d14

Concen: 96.087 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035356.D

Acq: 23 Jun 2018 7:06

Instrument :

BNA_G

ClientSampleId :

061818-DBRI-E-U-S

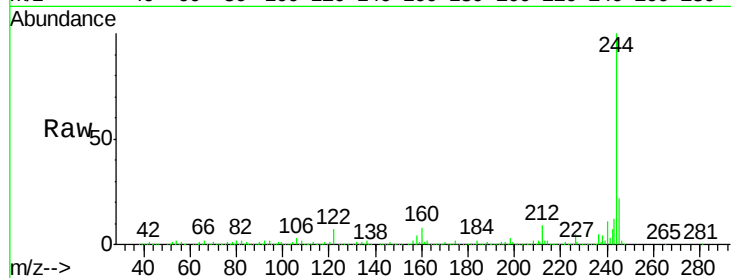
Tgt Ion:244 Resp: 1573093

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

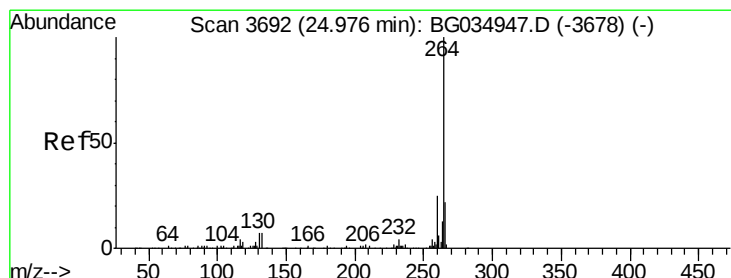
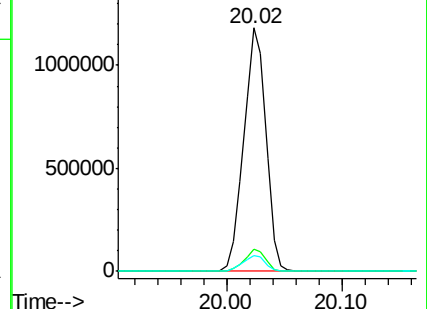
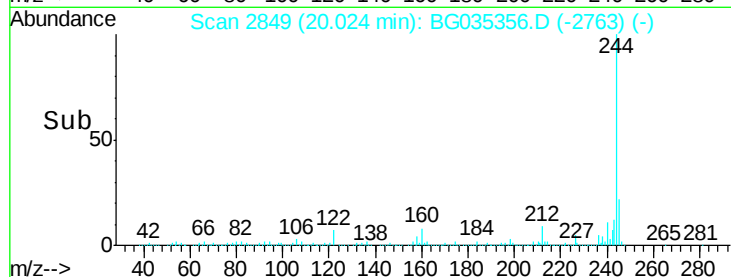
122 6.5 7.0 10.4#



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: 24.90 min Scan# 3679

Delta R.T. -0.05 min

Lab File: BG035356.D

Acq: 23 Jun 2018 7:06

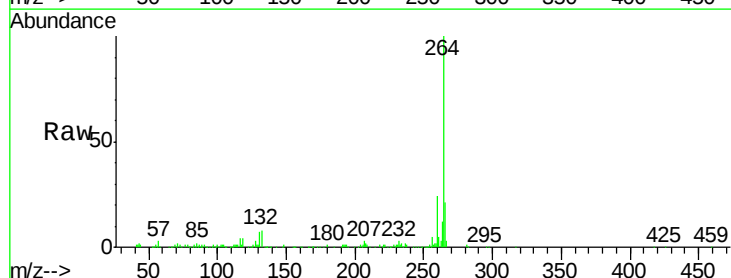
Tgt Ion:264 Resp: 332494

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 21.1 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

