

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062218\
 Data File : BG035354.D
 Acq On : 23 Jun 2018 5:49
 Operator : JU/SJ
 Sample : J3587-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jun 25 05:47:22 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

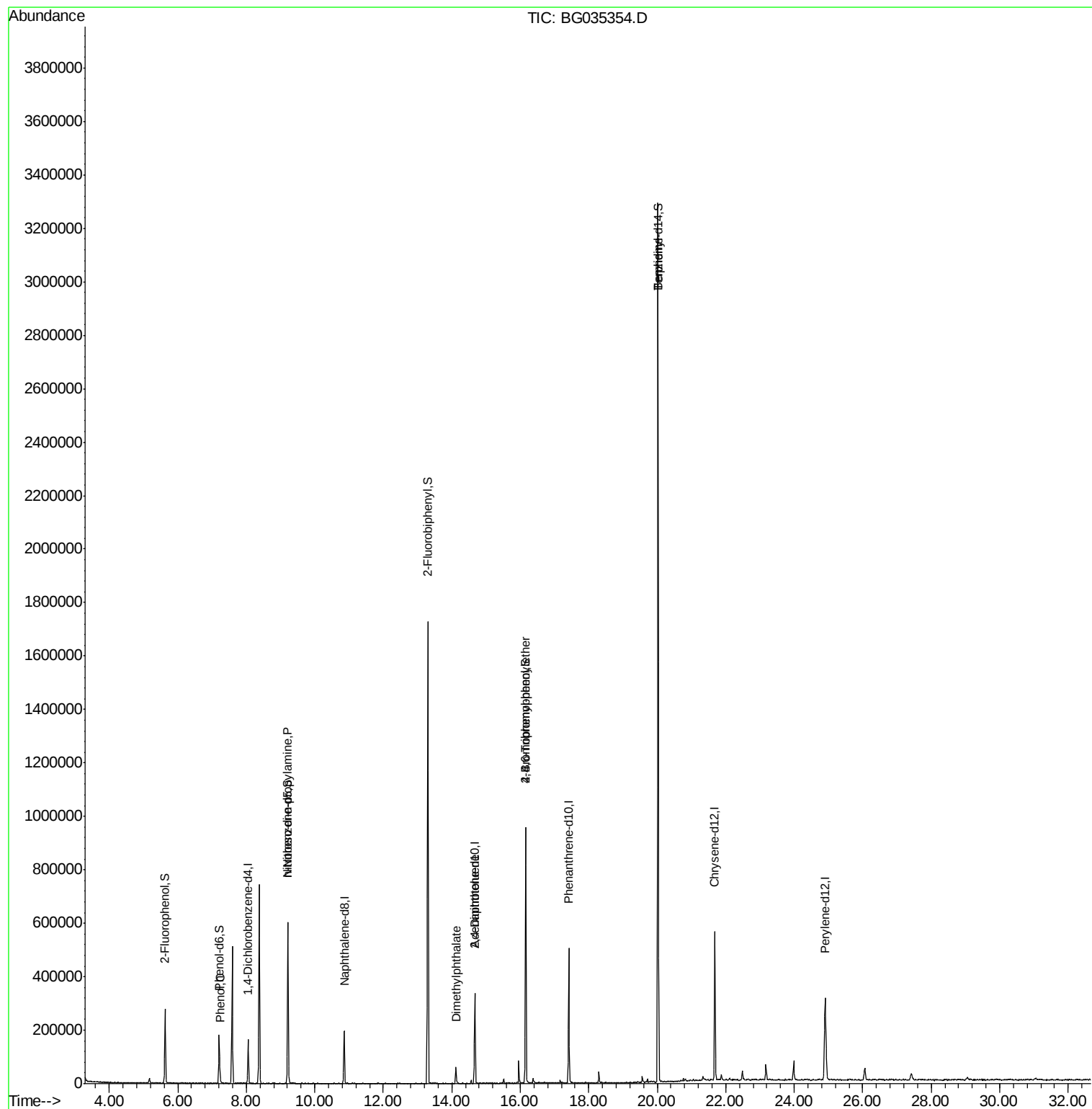
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	48707	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	166363	20.00	ng	-0.02
38) Acenaphthene-d10	14.67	164	118627	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	321071	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	360947	20.00	ng	-0.04
86) Perylene-d12	24.91	264	337417	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	121880	42.23	ng	-0.01
7) Phenol-d6	7.21	99	116636	27.38	ng	-0.02
23) Nitrobenzene-d5	9.21	82	406947	116.28	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	176157	116.00	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	945313	103.59	ng	-0.02
78) Terphenyl-d14	20.02	244	1570880	91.16	ng	-0.02
Target Compounds						
10) Phenol	7.23	94	12149	2.756	ng	93
19) n-Nitroso-di-n-propylamine	9.21	70	53187	14.696	ng	# 70
49) Dimethylphthalate	14.12	163	43291	4.185	ng	# 95
56) 2,4-Dinitrotoluene	14.67	165	15225	6.073	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	13932	3.603	ng	# 1
76) Benzidine	20.02	184	26859	2.000	ng	# 93

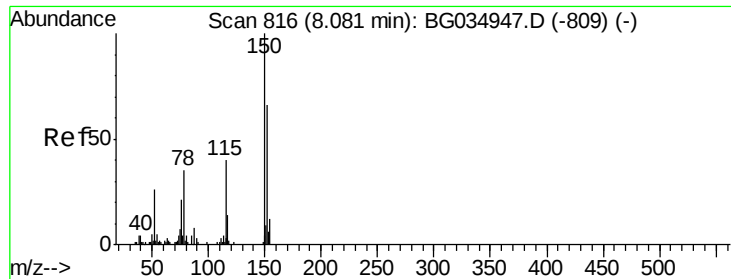
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.06 min Scan# 812

Delta R.T. -0.02 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

Instrument :

BNA_G

ClientSampleId :

061818-DBRI-E-D-S

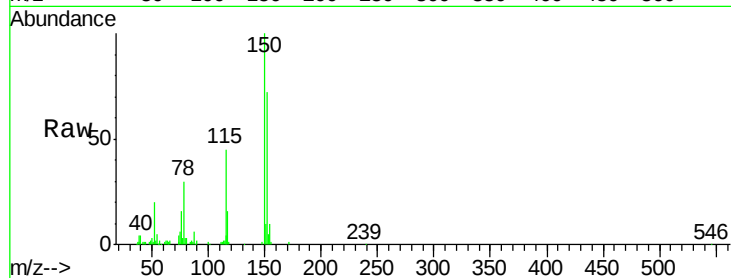
Tgt Ion:152 Resp: 48707

Ion Ratio Lower Upper

152 100

150 138.8 126.6 189.8

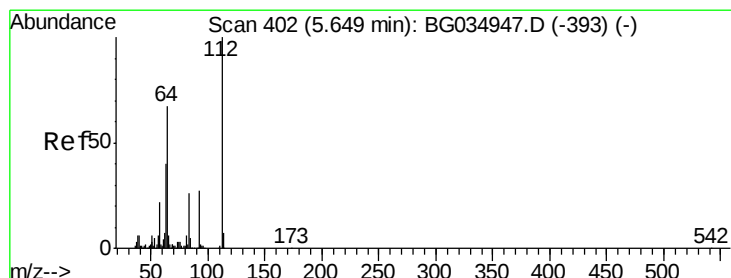
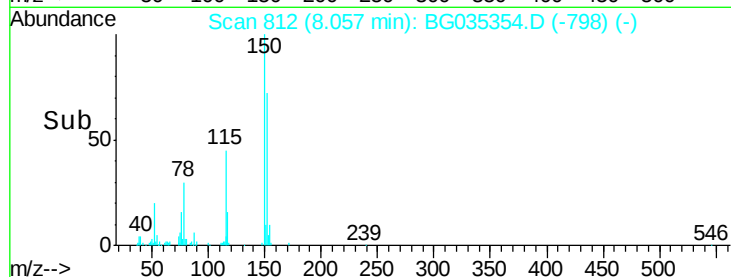
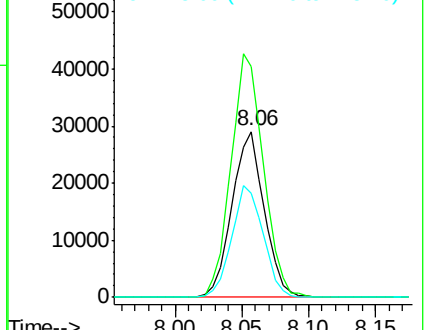
115 62.5 53.0 79.4



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: 42.229 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.01 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

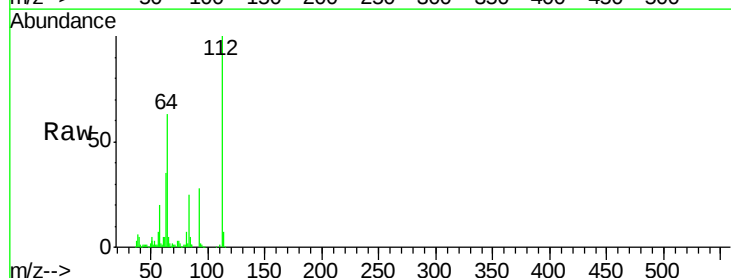
Tgt Ion:112 Resp: 121880

Ion Ratio Lower Upper

112 100

64 62.8 56.3 84.5

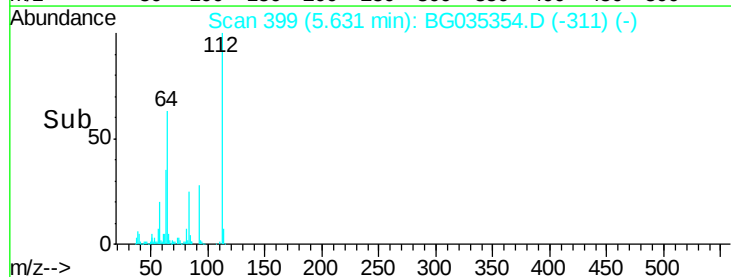
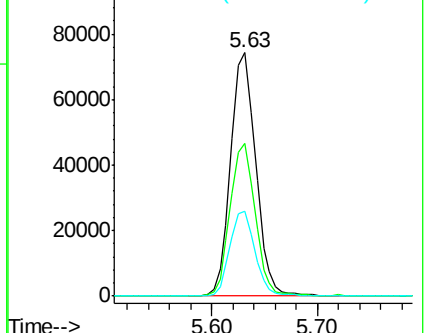
63 34.8 30.1 45.1

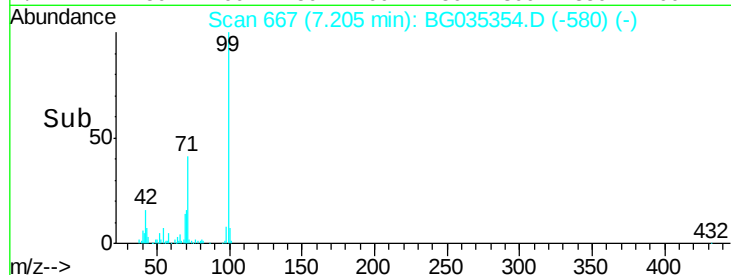
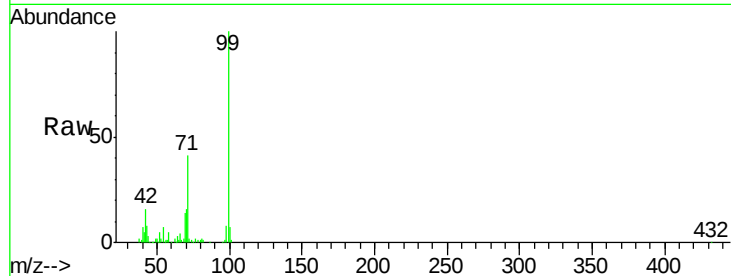
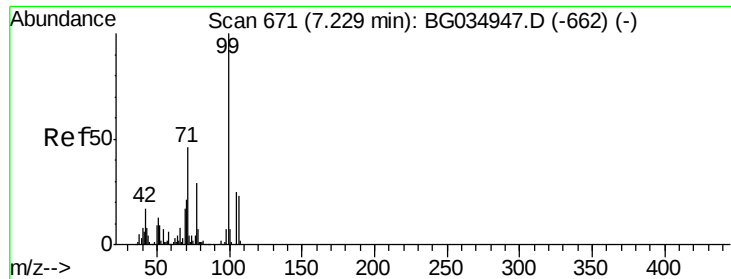


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 27.381 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

Instrument :

BNA_G

ClientSampleId :

061818-DBRI-E-D-S

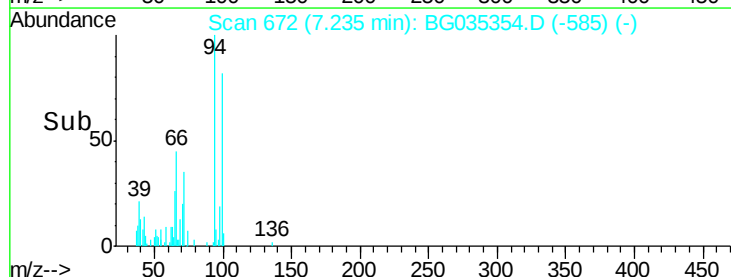
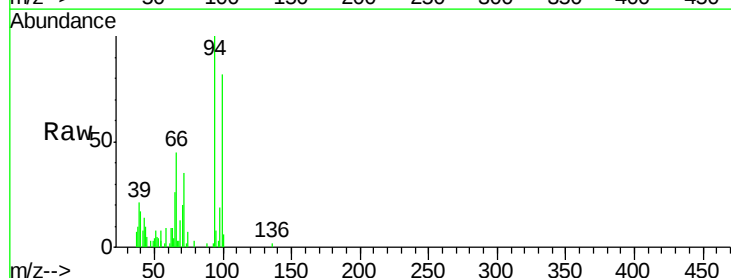
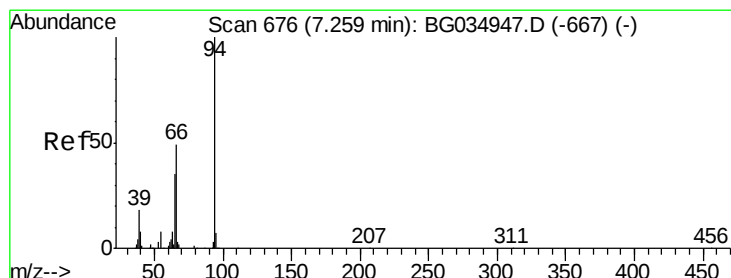
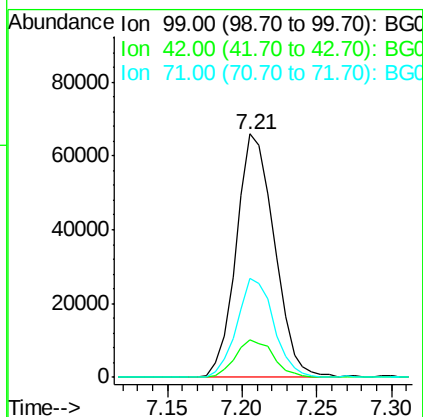
Tgt Ion: 99 Resp: 116636

Ion Ratio Lower Upper

99 100

42 15.6 14.1 21.1

71 40.7 26.1 39.1#



#10

Phenol

Concen: 2.756 ng

RT: 7.23 min Scan# 672

Delta R.T. -0.02 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

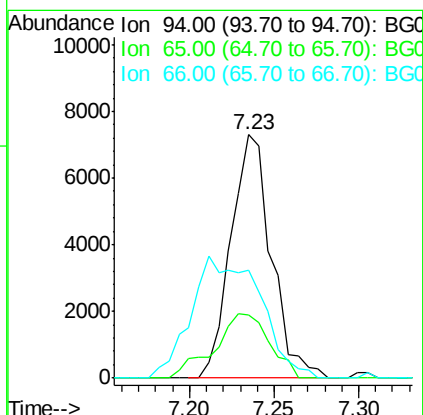
Tgt Ion: 94 Resp: 12149

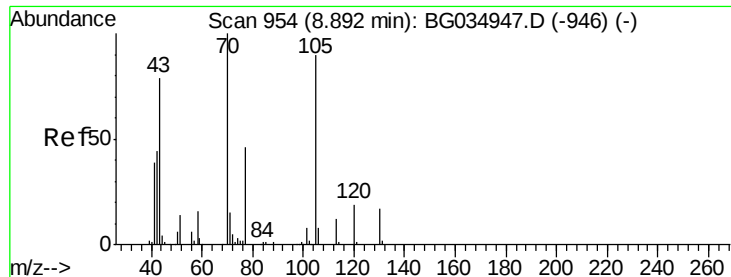
Ion Ratio Lower Upper

94 100

65 26.1 11.9 51.9

66 44.5 22.2 62.2





#19

n-Nitroso-di-n-propylamine

Concen: 14.696 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

Instrument :

BNA_G

ClientSampleId :

061818-DBRI-E-D-S

Tgt Ion: 70 Resp: 53187

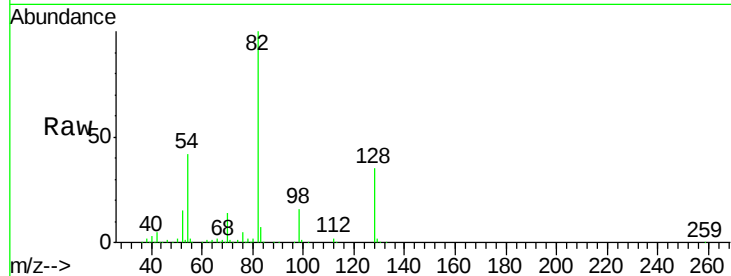
Ion Ratio Lower Upper

70 100

42 39.1 49.1 73.7#

101 0.7 8.5 12.7#

130 1.2 13.4 20.0#

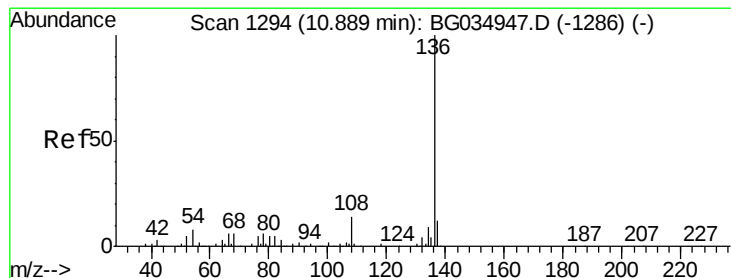
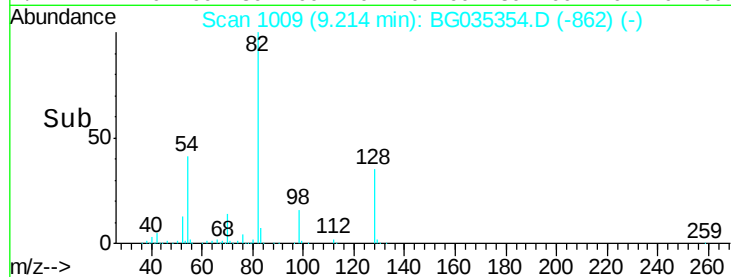
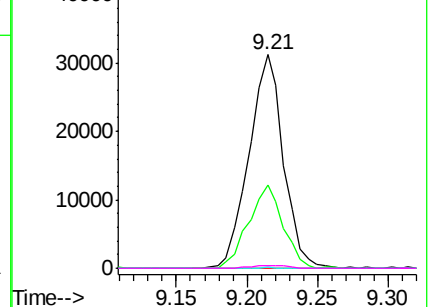


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.86 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

Tgt Ion: 136 Resp: 166363

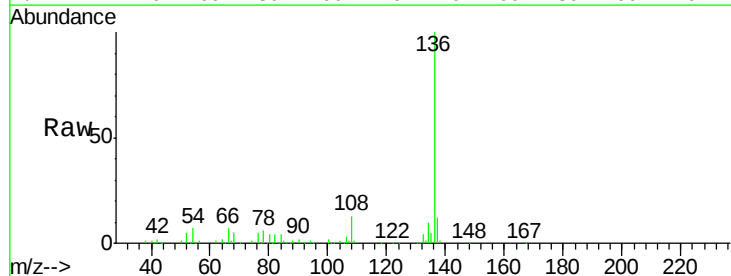
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 7.1 10.3 15.5#

68 5.0 4.5 6.7

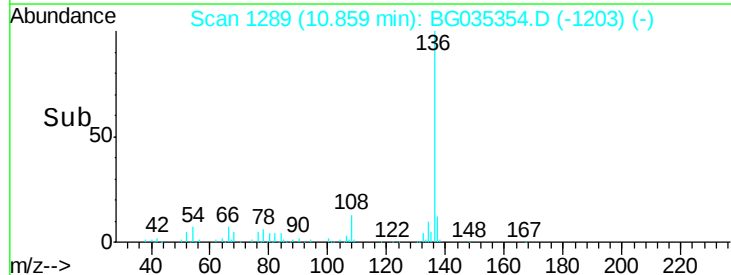
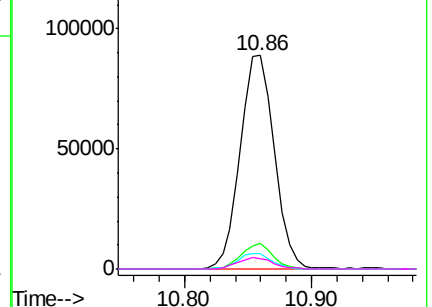


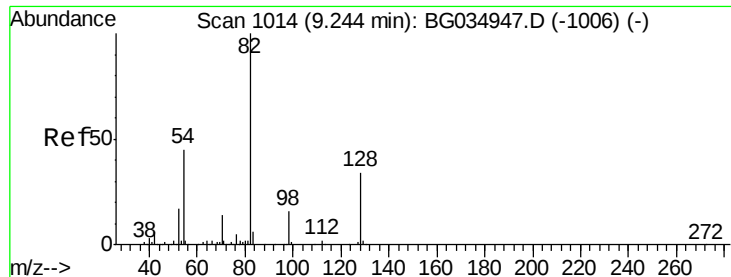
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

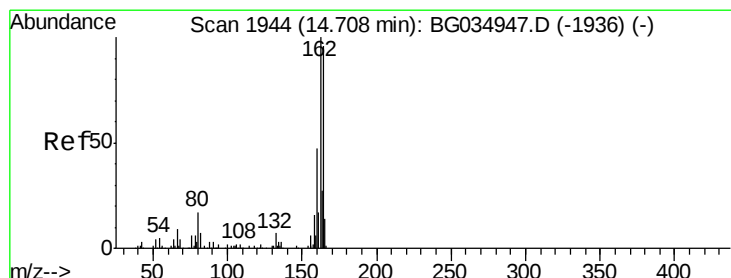
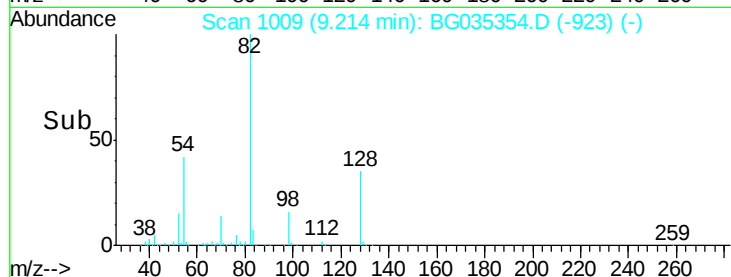
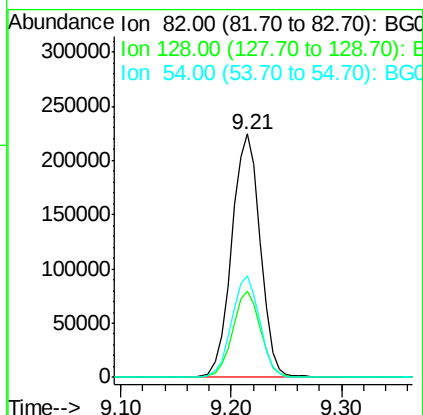
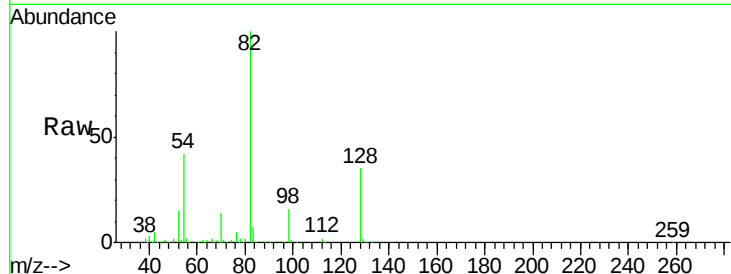




#23
 Nitrobenzene-d5
 Concen: 116.276 ng
 RT: 9.21 min Scan# 1009
 Delta R.T. -0.02 min
 Lab File: BG035354.D
 Acq: 23 Jun 2018 5:49

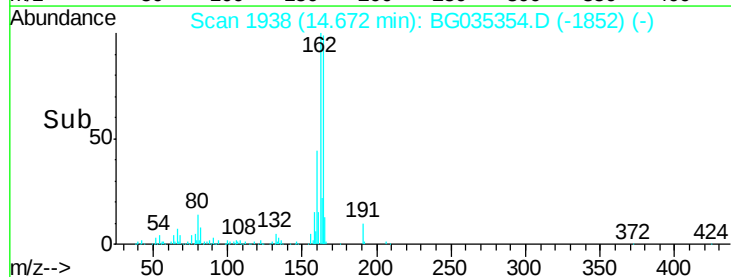
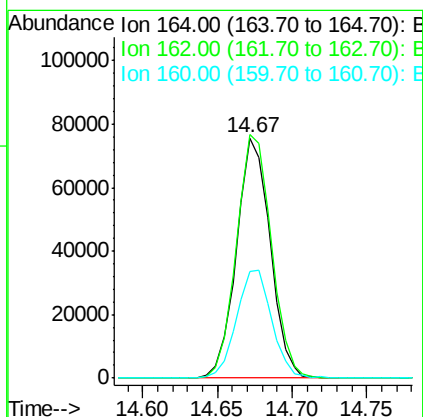
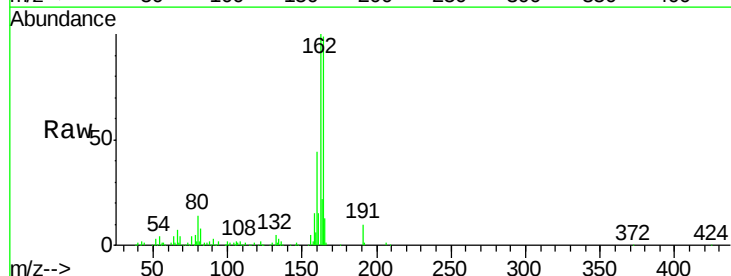
Instrument :
 BNA_G
 ClientSampleId :
 061818-DBRI-E-D-S

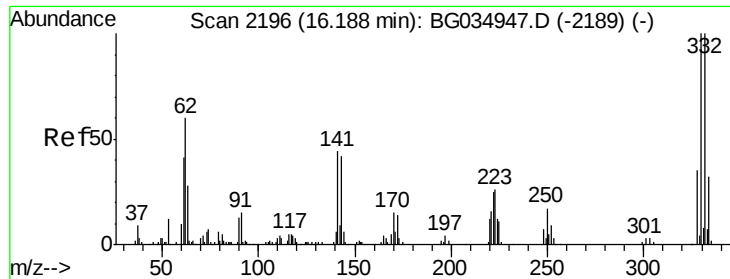
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.1	29.7	44.5
54	41.7	43.1	64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.02 min
 Lab File: BG035354.D
 Acq: 23 Jun 2018 5:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	78.8	118.2
160	44.3	35.4	53.0

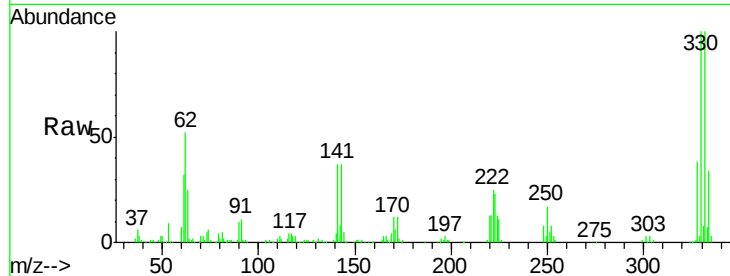




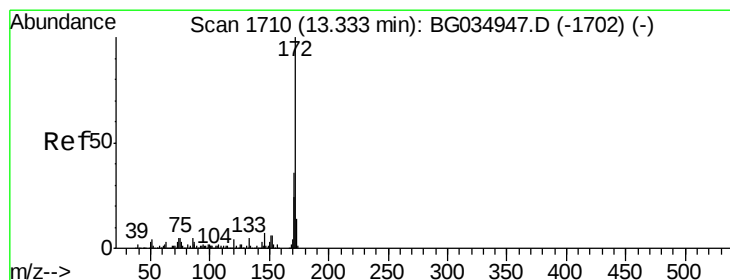
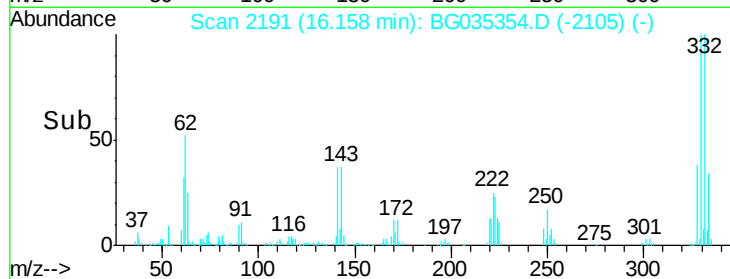
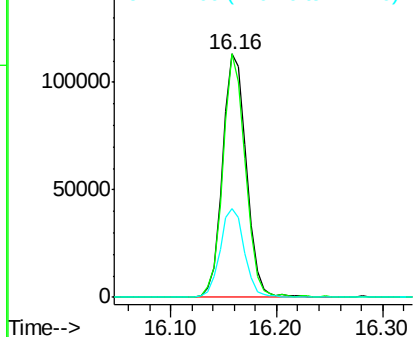
#41
 2,4,6-Tribromophenol
 Concen: 116.001 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: BG035354.D
 Acq: 23 Jun 2018 5:49

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	37.4	25.2	37.8

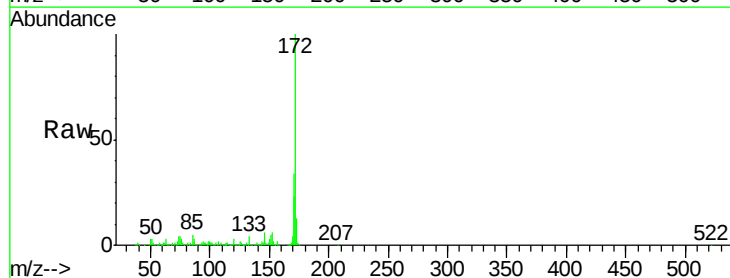


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

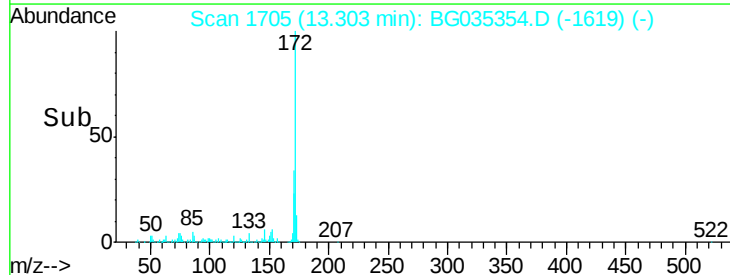
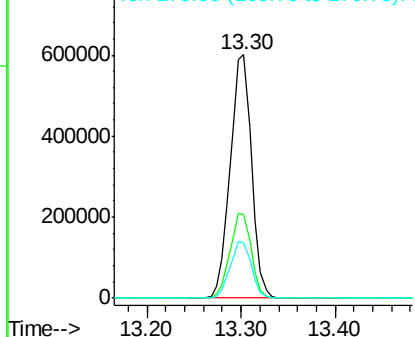


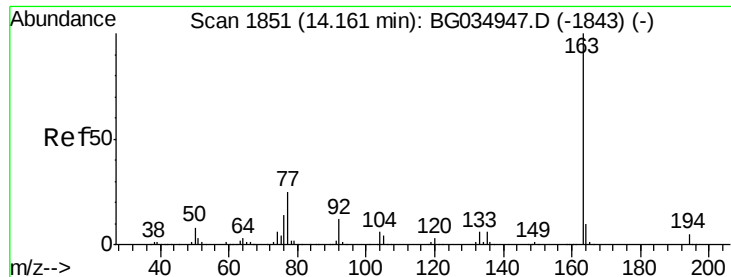
#44
 2-Fluorobiphenyl
 Concen: 103.594 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035354.D
 Acq: 23 Jun 2018 5:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.0	45.0
170	22.6	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: 4.185 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.04 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

Instrument :

BNA_G

ClientSampleId :

061818-DBRI-E-D-S

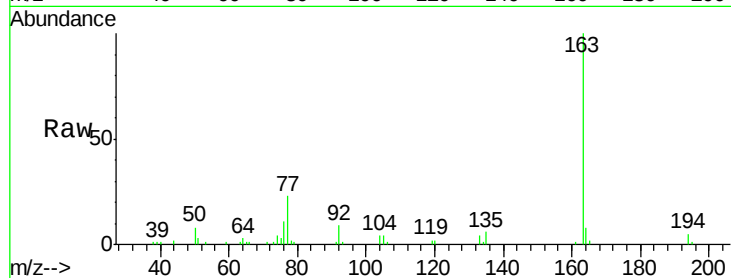
Tgt Ion:163 Resp: 43291

Ion Ratio Lower Upper

163 100

194 5.0 3.4 5.2

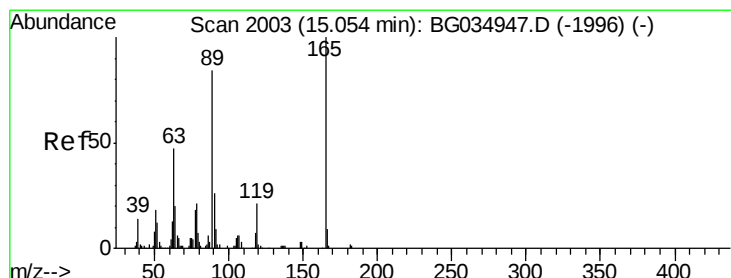
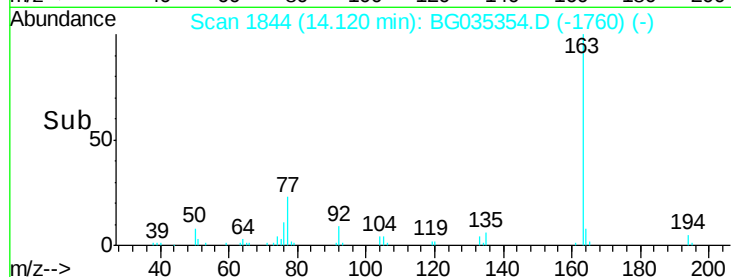
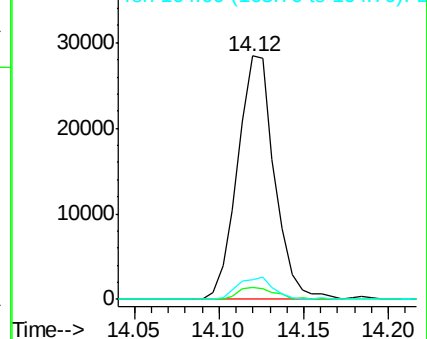
164 8.0 8.2 12.4#



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: 6.073 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.38 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

Tgt Ion:165 Resp: 15225

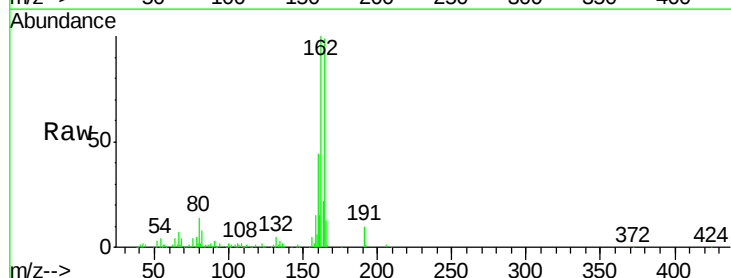
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.1 66.9 100.3#

182 0.0 2.6 3.8#

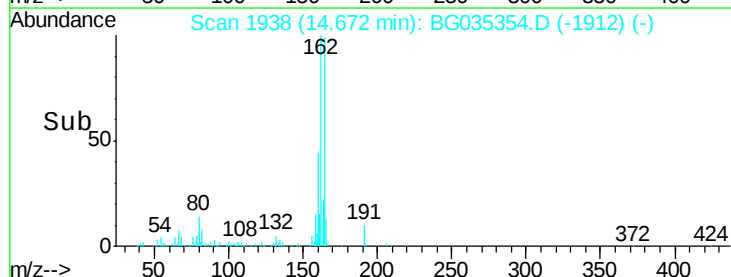
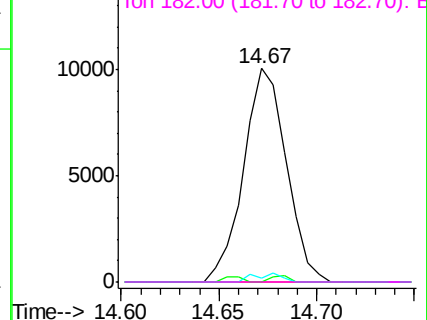


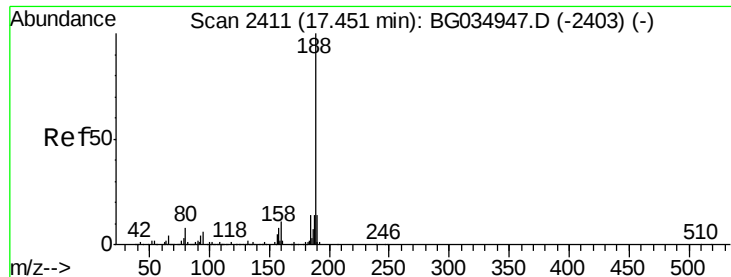
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG035354.D

Acq: 23 Jun 2018 5:49

Instrument :

BNA_G

ClientSampleId :

061818-DBRI-E-D-S

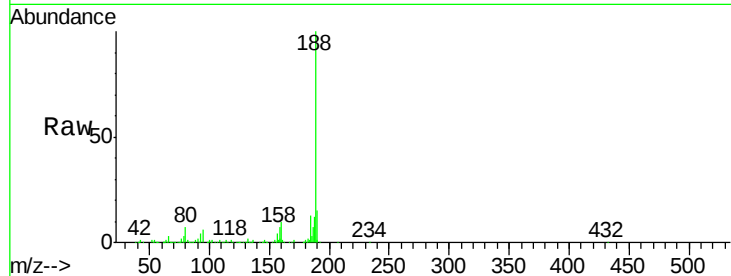
Tgt Ion:188 Resp: 321071

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

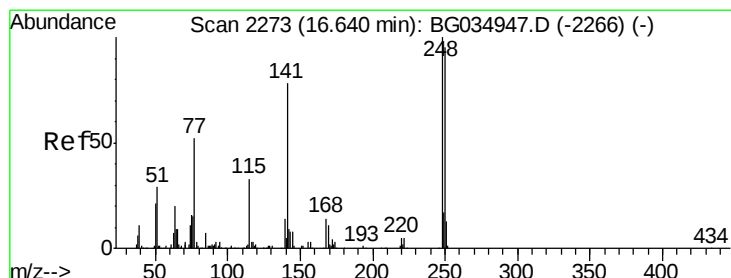
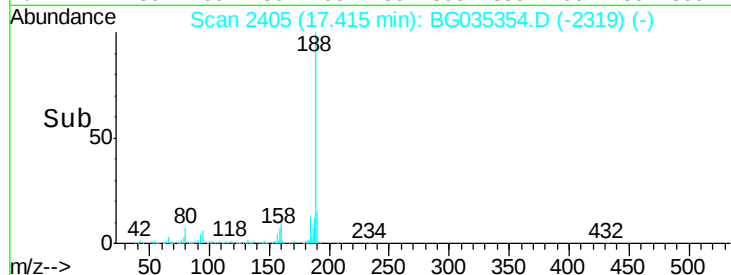
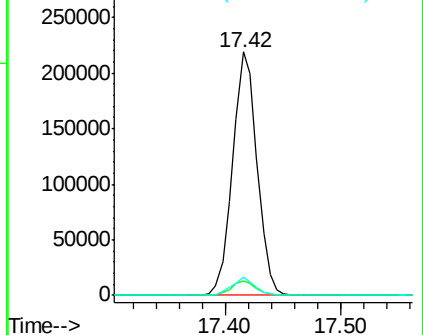
80 7.3 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#66

4-Bromophenyl-phenylether

Concen: 3.603 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.48 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

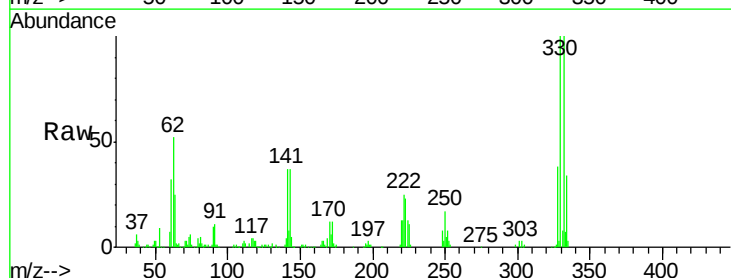
Tgt Ion:248 Resp: 13932

Ion Ratio Lower Upper

248 100

250 207.0 77.1 115.7#

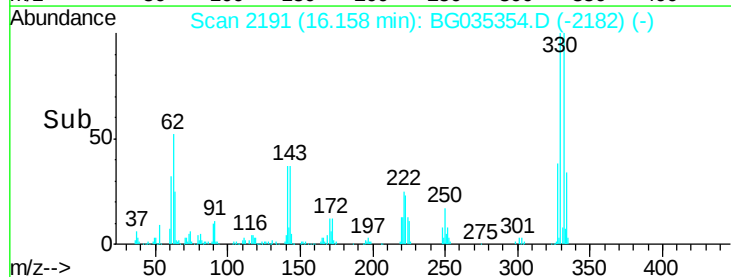
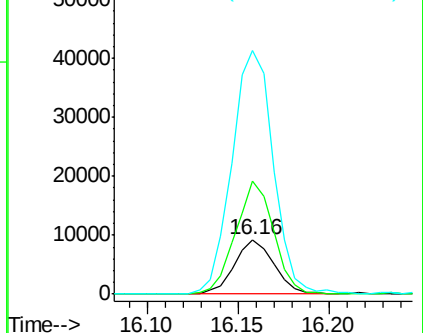
141 444.8 50.8 76.2#

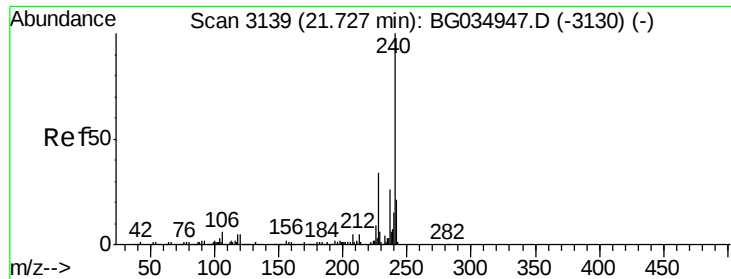


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

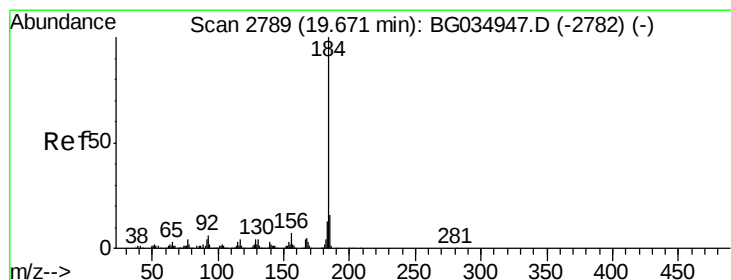
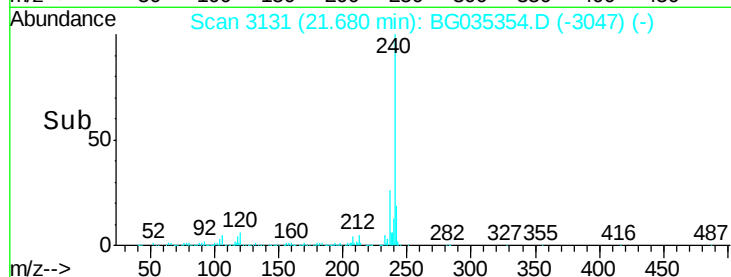
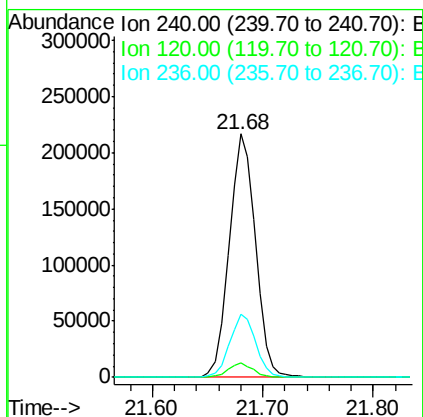
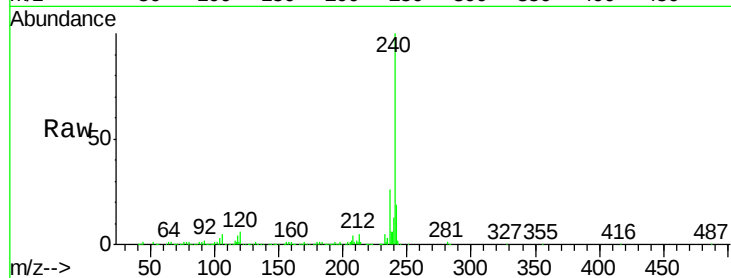




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035354.D
Acq: 23 Jun 2018 5:49

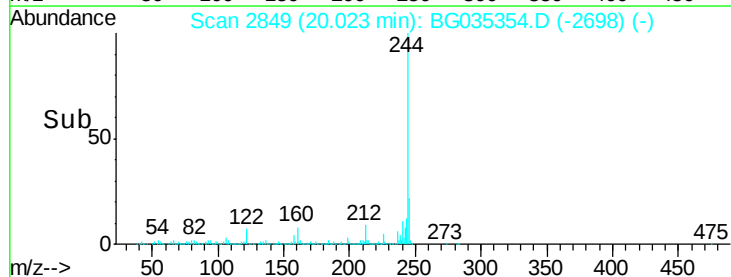
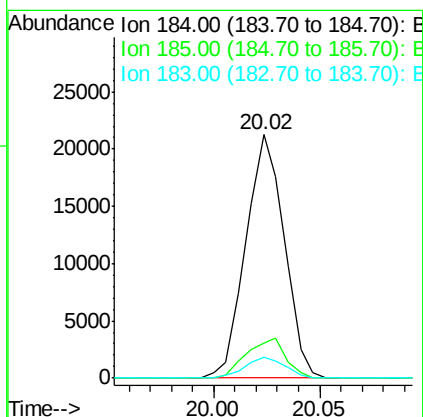
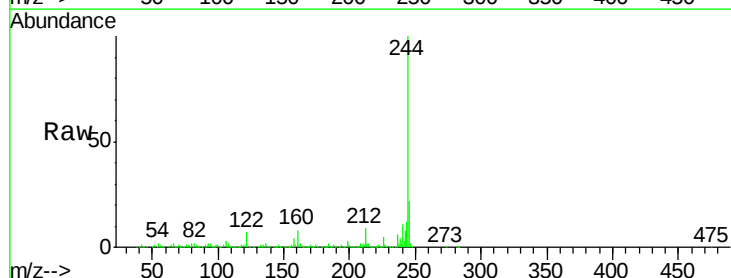
Instrument :
BNA_G
ClientSampleId :
061818-DBRI-E-D-S

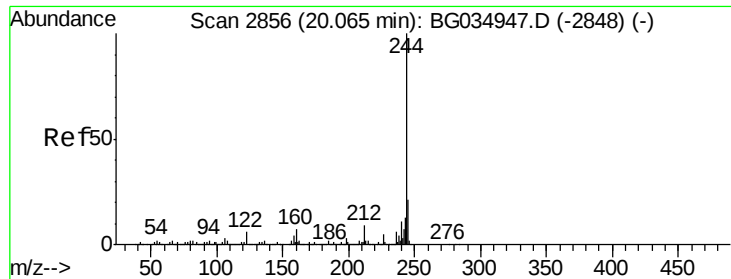
Tgt Ion:240 Resp: 360947
Ion Ratio Lower Upper
240 100
120 5.9 6.8 10.2#
236 25.8 20.9 31.3



#76
Benzidine
Concen: 2.000 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.36 min
Lab File: BG035354.D
Acq: 23 Jun 2018 5:49

Tgt Ion:184 Resp: 26859
Ion Ratio Lower Upper
184 100
185 14.3 11.1 16.7
183 8.4 10.6 16.0#





#78

Terphenyl-d14

Concen: 91.162 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

Instrument :

BNA_G

ClientSampleId :

061818-DBRI-E-D-S

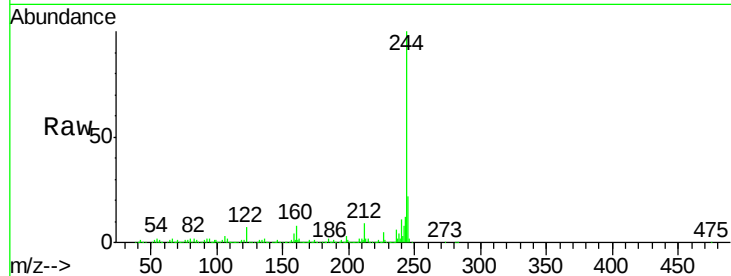
Tgt Ion:244 Resp: 1570880

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

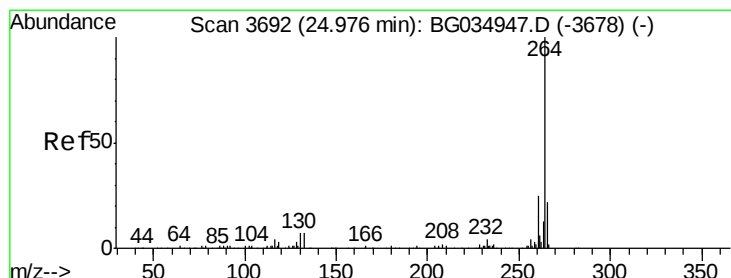
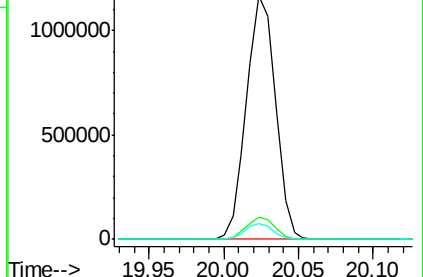
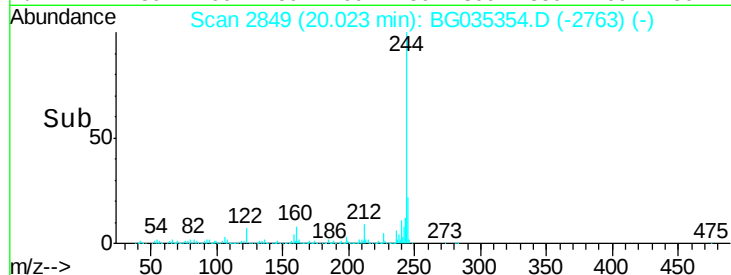
122 6.6 7.0 10.4#



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: 24.91 min Scan# 3680

Delta R.T. -0.05 min

Lab File: BG035354.D

Acq: 23 Jun 2018 5:49

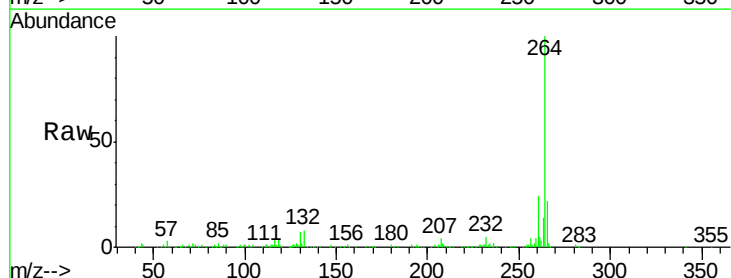
Tgt Ion:264 Resp: 337417

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 22.1 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

