

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061918\
 Data File : BG035256.D
 Acq On : 19 Jun 2018 20:18
 Operator : SJ/JU
 Sample : J3548-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 061318-DBRI-E-D-B

Quant Time: Jun 19 22:18:45 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

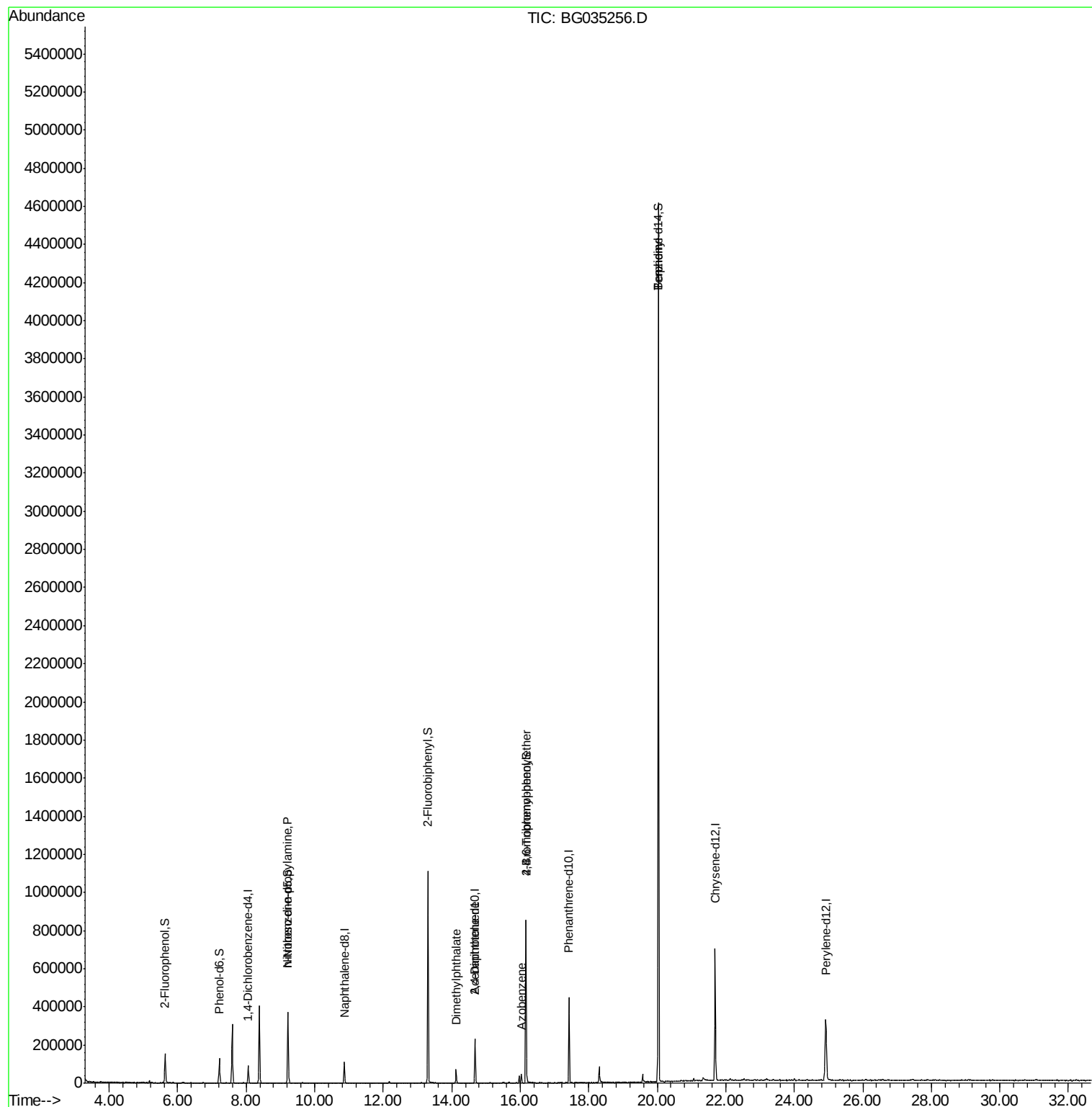
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24543	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	95195	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	76471	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	286392	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	444692	20.00	ng	-0.03
86) Perylene-d12	24.92	264	362949	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	73576	50.59	ng	-0.02
7) Phenol-d6	7.21	99	78092	36.38	ng	0.00
23) Nitrobenzene-d5	9.22	82	249557	124.61	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	161062	164.53	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	596156	101.35	ng	-0.02
78) Terphenyl-d14	20.03	244	2173354	102.37	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	32746	17.957	ng	# 70
49) Dimethylphthalate	14.13	163	47676	7.149	ng	# 96
56) 2,4-Dinitrotoluene	14.68	165	10143	6.276	ng	# 18
62) Azobenzene	16.03	77	15315	2.297	ng	# 1
66) 4-Bromophenyl-phenylether	16.17	248	12831	3.720	ng	# 1
76) Benzidine	20.03	184	38690	2.339	ng	# 91

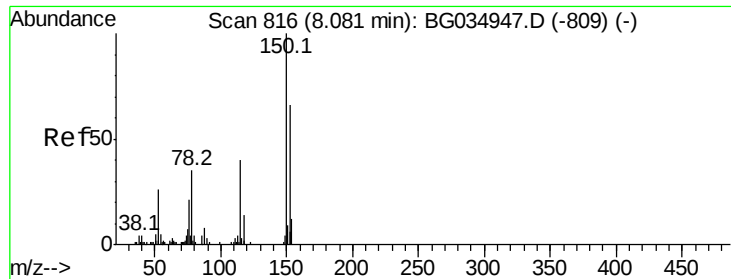
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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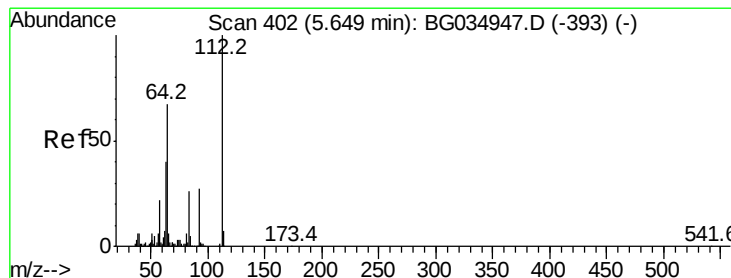
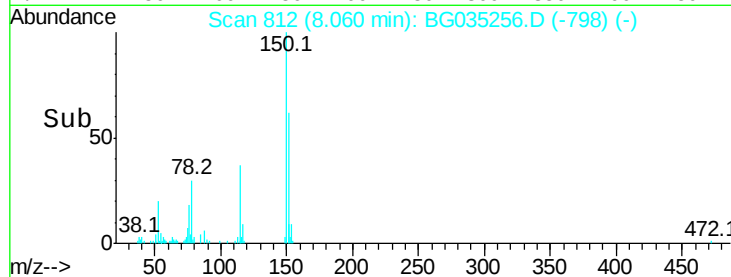
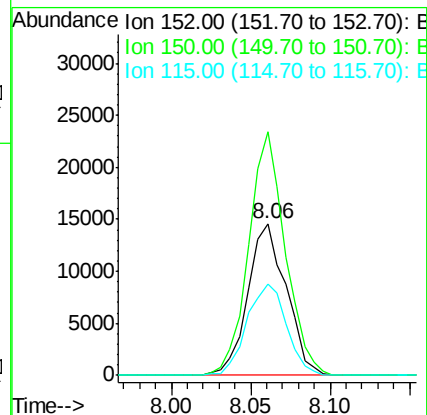
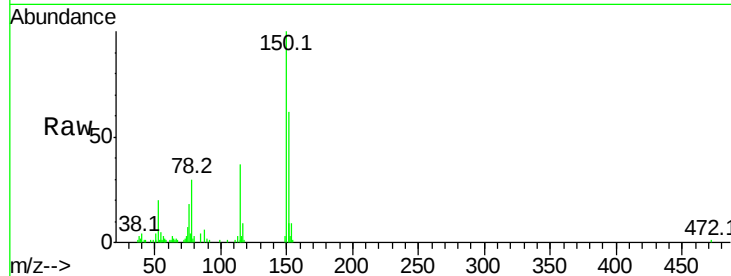


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035256.D
Acq: 19 Jun 2018 20:18

Instrument :
BNA_G
ClientSampleId :
061318-DBRI-E-D-B

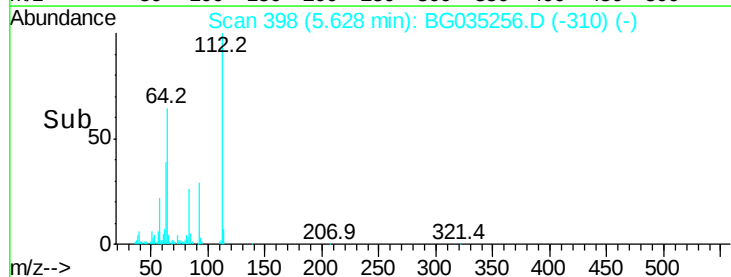
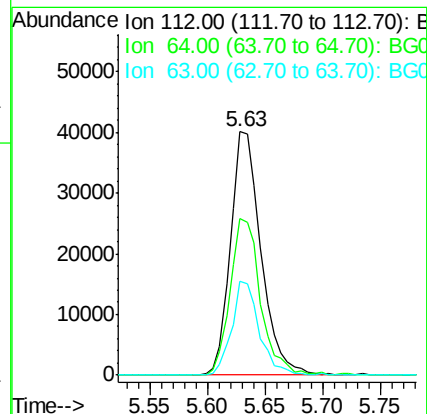
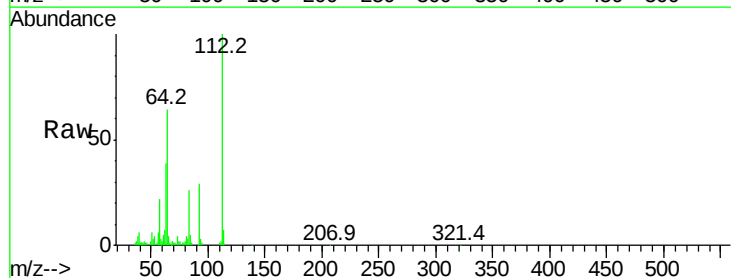
Tot Ion:152 Resp: 24543
Ion Ratio Lower Upper
152 100
150 160.7 126.6 189.8
115 60.1 53.0 79.4

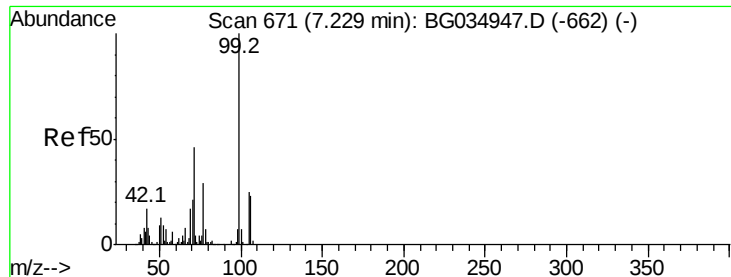


#5

2-Fluorophenol
Concen: 50.592 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.02 min
Lab File: BG035256.D
Acq: 19 Jun 2018 20:18

Tgt Ion:112 Resp: 73576
Ion Ratio Lower Upper
112 100
64 64.0 56.3 84.5
63 38.7 30.1 45.1





#7

Phenol-d6

Concen: 36.382 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

Instrument :

BNA_G

ClientSampleId :

061318-DBRI-E-D-B

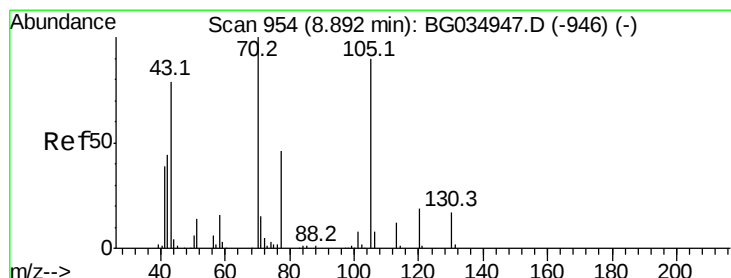
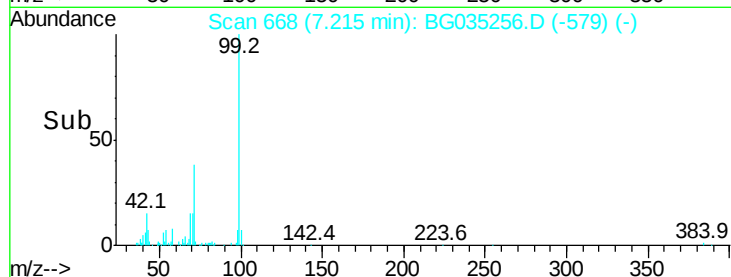
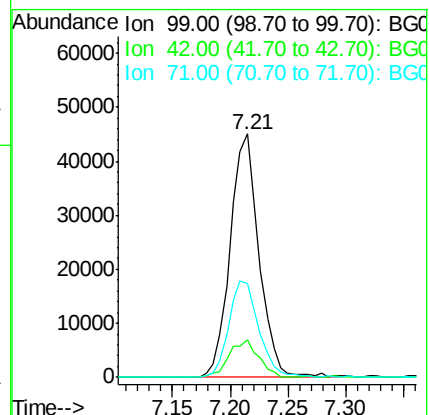
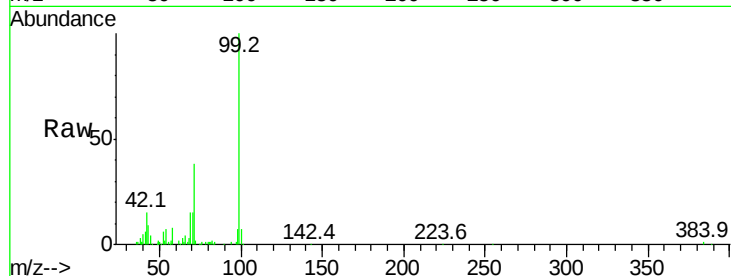
Tot Ion: 99 Resp: 78092

Ion Ratio Lower Upper

99 100

42 15.3 14.1 21.1

71 38.3 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 17.957 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.34 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

Tgt Ion: 70 Resp: 32746

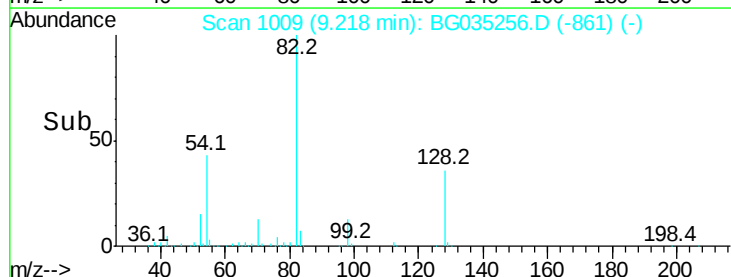
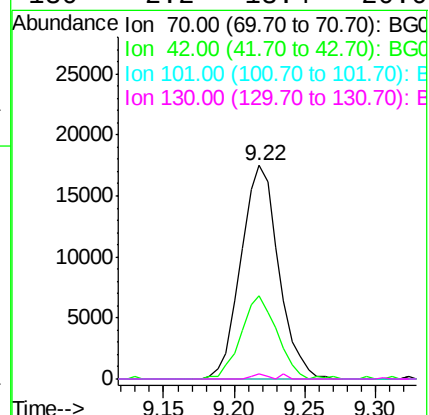
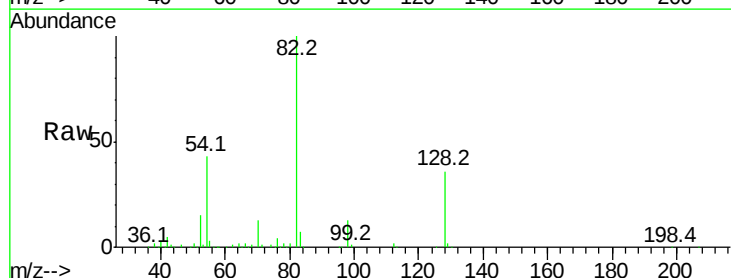
Ion Ratio Lower Upper

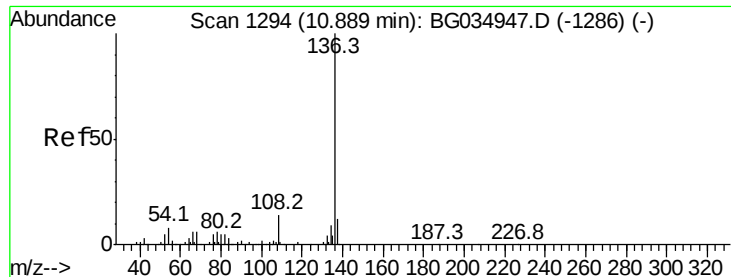
70 100

42 38.9 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 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: BG035256.D

Acq: 19 Jun 2018 20:18

Instrument :

BNA_G

ClientSampleId :

061318-DBRI-E-D-B

Tot Ion:136 Resp: 95195

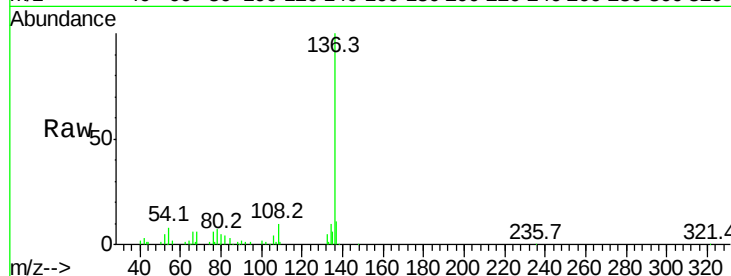
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 8.3 10.3 15.5#

68 5.9 4.5 6.7

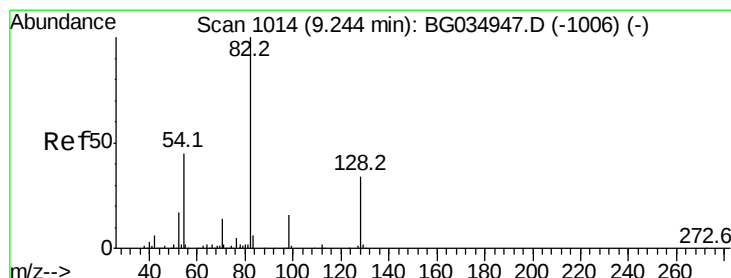
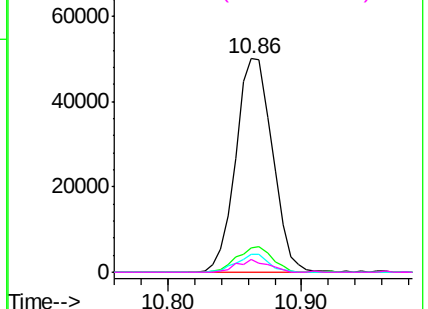
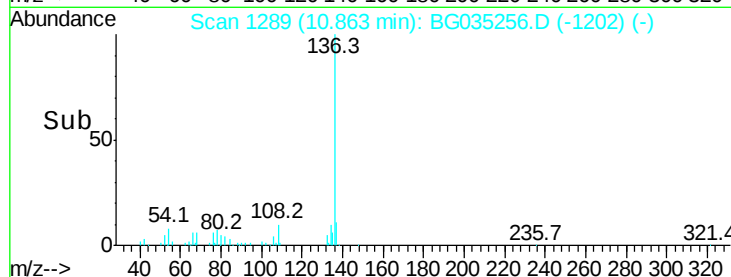


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 124.613 ng

RT: 9.22 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

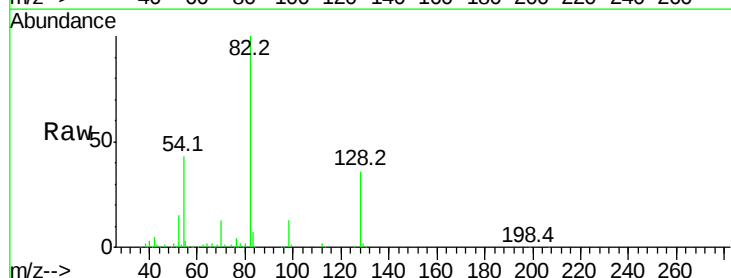
Tgt Ion: 82 Resp: 249557

Ion Ratio Lower Upper

82 100

128 35.9 29.7 44.5

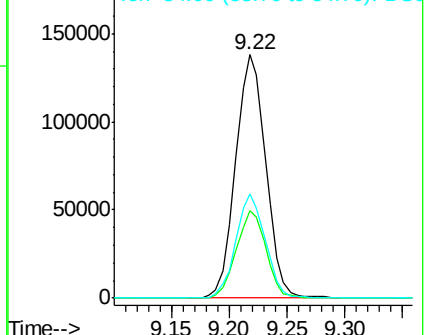
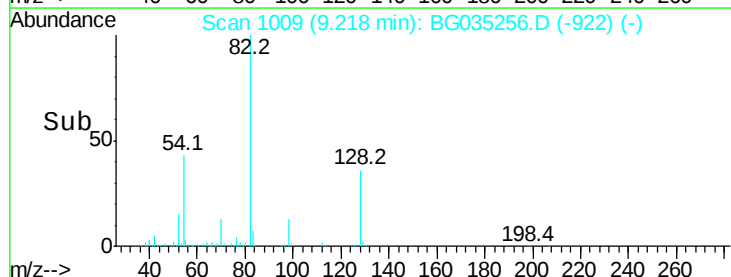
54 43.0 43.1 64.7#

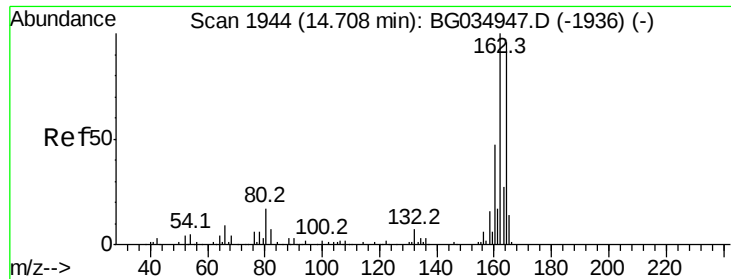


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

Instrument :

BNA_G

ClientSampleId :

061318-DBRI-E-D-B

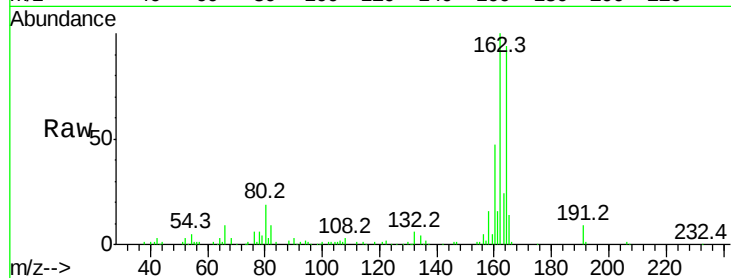
Tot Ion:164 Resp: 76471

Ion Ratio Lower Upper

164 100

162 106.6 78.8 118.2

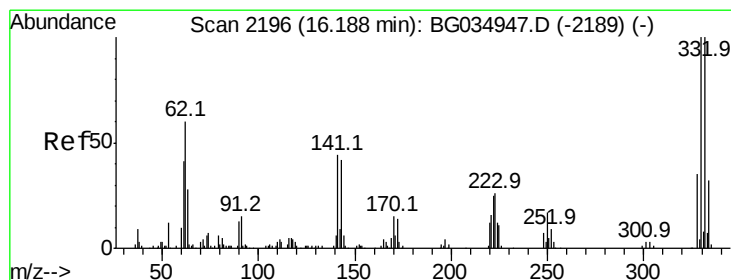
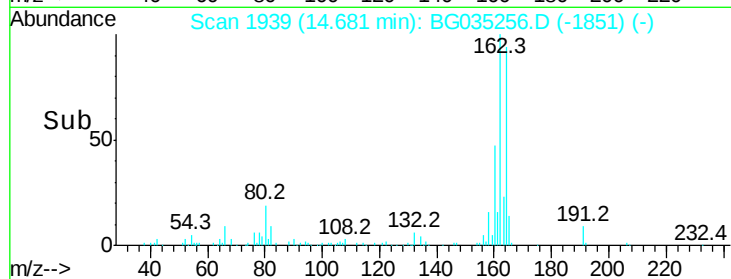
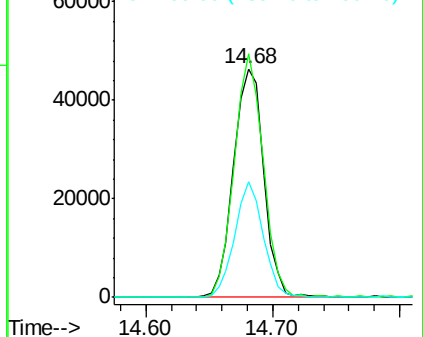
160 50.6 35.4 53.0



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: 164.529 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

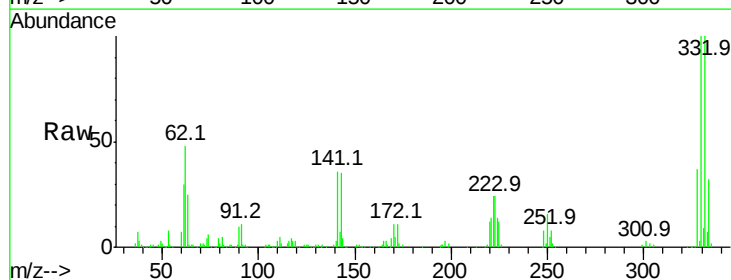
Tgt Ion:330 Resp: 161062

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

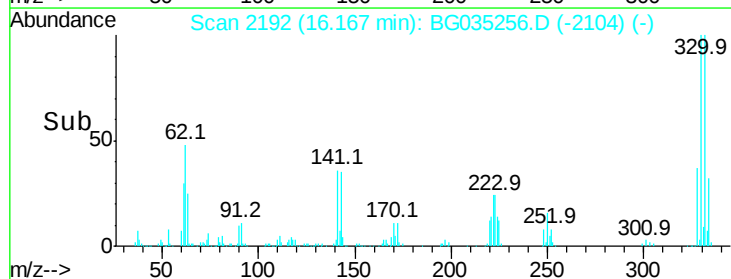
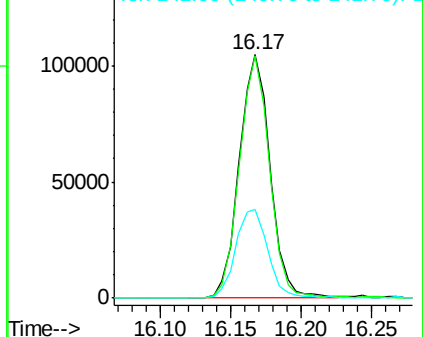
141 37.5 25.2 37.8

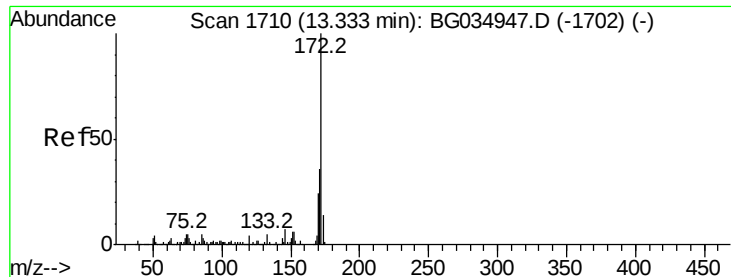


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

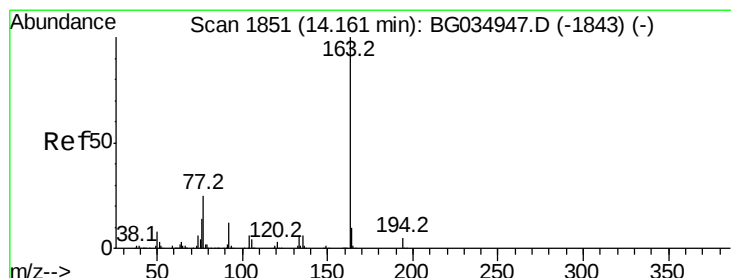
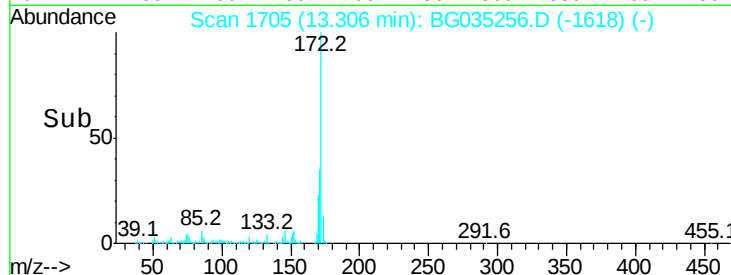
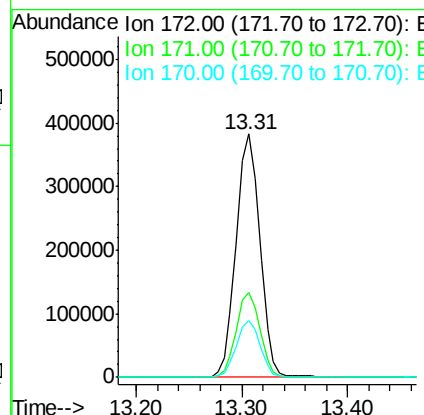
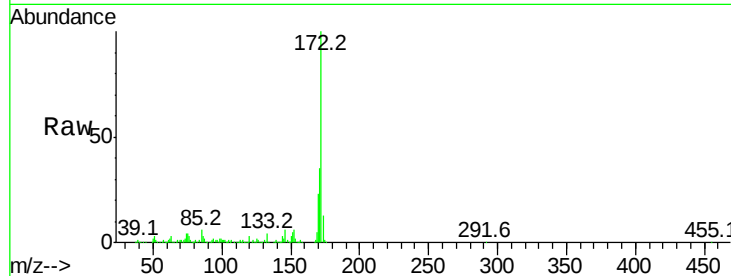




#44
2-Fluorobiphenyl
Concen: 101.346 ng
RT: 13.31 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BG035256.D
Acq: 19 Jun 2018 20:18

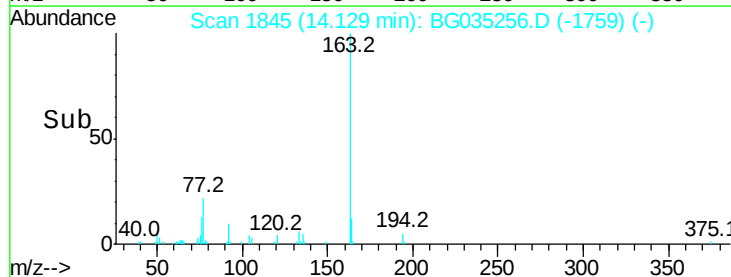
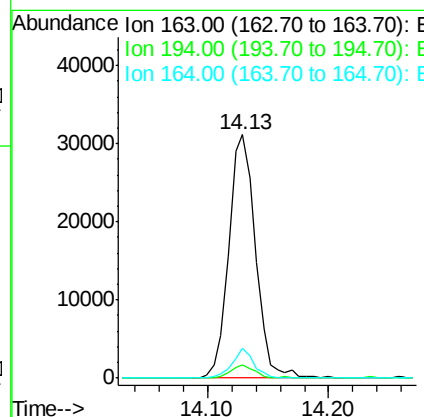
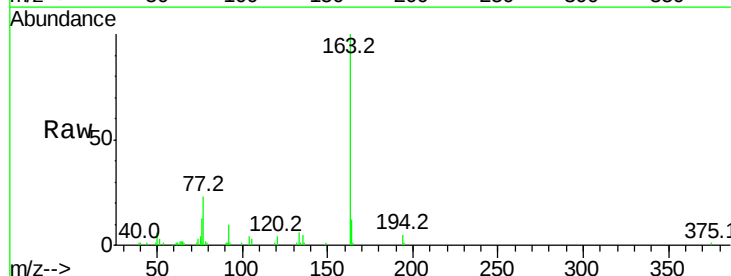
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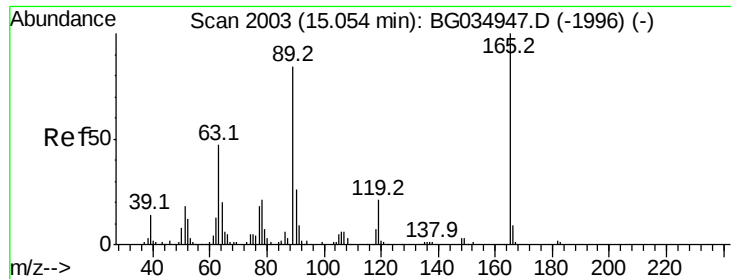
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.0	45.0
170	23.3	19.5	29.3



#49
Dimethylphthalate
Concen: 7.149 ng
RT: 14.13 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BG035256.D
Acq: 19 Jun 2018 20:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.4	5.2#
164	12.1	8.2	12.4

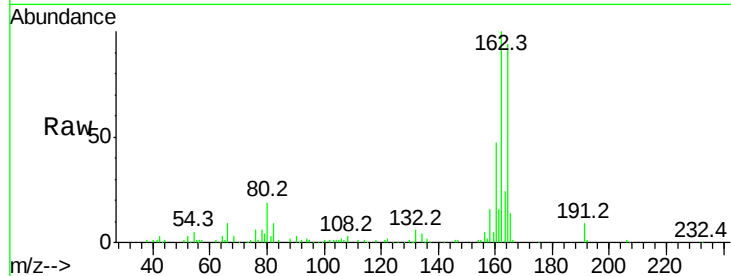




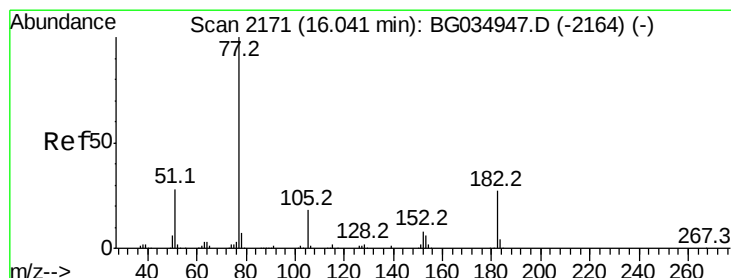
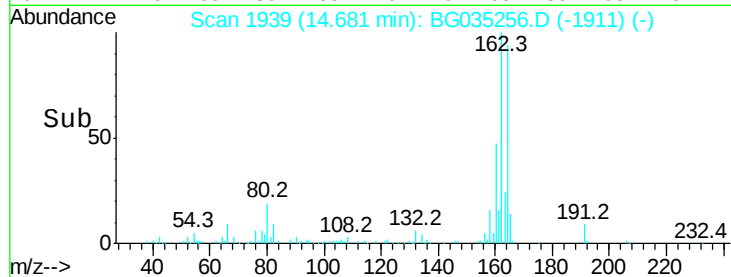
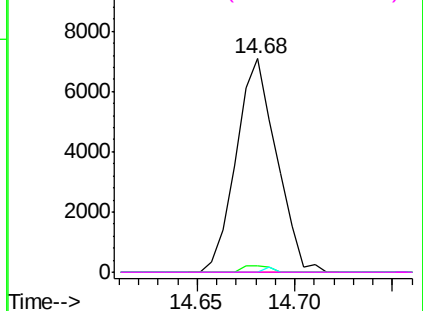
#56
 2,4-Dinitrotoluene
 Concen: 6.276 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035256.D
 Acq: 19 Jun 2018 20:18

Instrument :
 BNA_G
 ClientSampleId :
 061318-DBRI-E-D-B

Tot Ion:165 Resp: 10143
 Ion Ratio Lower Upper
 165 100
 63 2.7 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

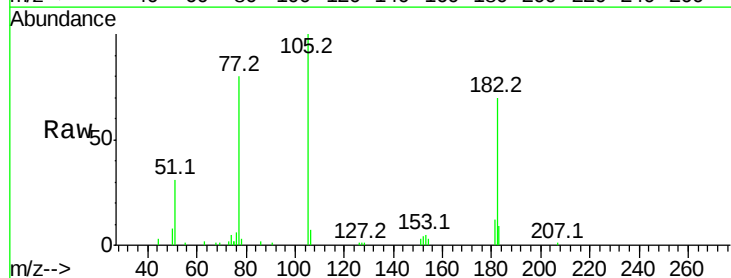


Abundance Ion 165.00 (164.70 to 165.70): E

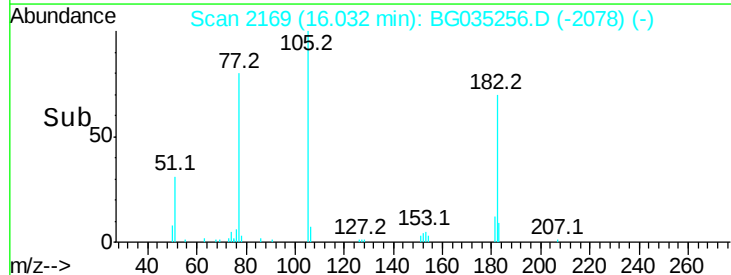
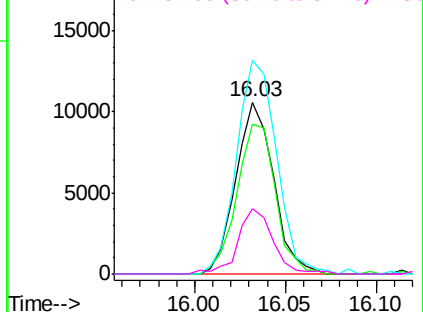


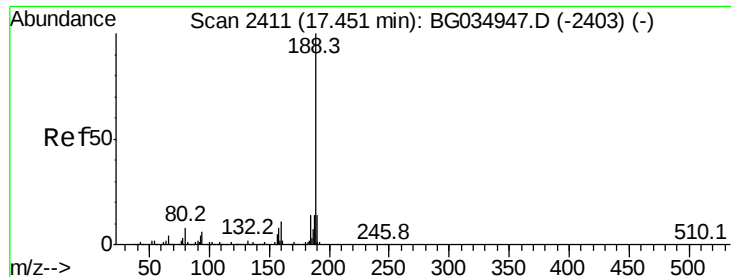
#62
 Azobenzene
 Concen: 2.297 ng
 RT: 16.03 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: BG035256.D
 Acq: 19 Jun 2018 20:18

Tgt Ion: 77 Resp: 15315
 Ion Ratio Lower Upper
 77 100
 182 87.2 7.4 47.4#
 105 124.5 0.3 40.3#
 51 38.4 11.6 51.6



Abundance Ion 77.00 (76.70 to 77.70): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

Instrument :

BNA_G

ClientSampleId :

061318-DBRI-E-D-B

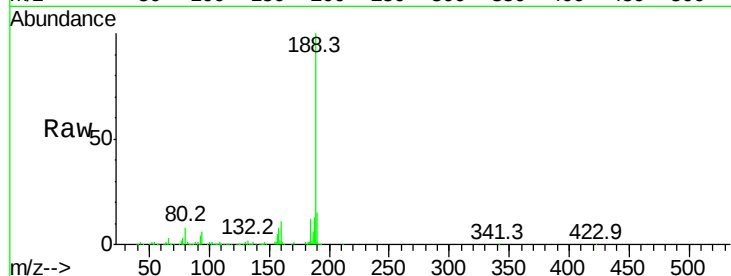
Tot Ion:188 Resp: 286392

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

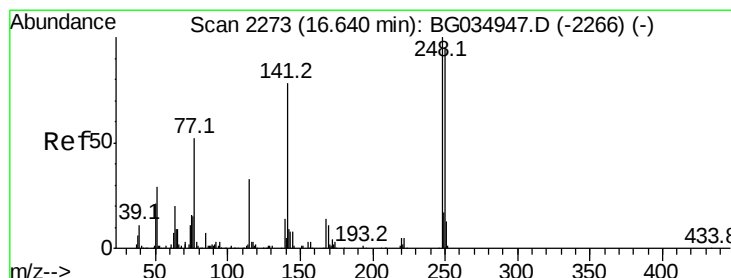
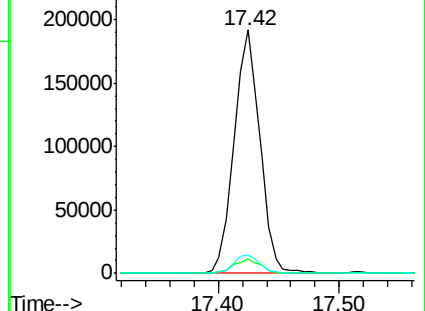
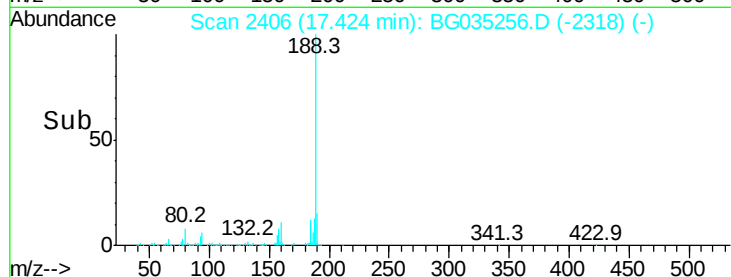
80 7.6 7.7 11.5#



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: 3.720 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.47 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

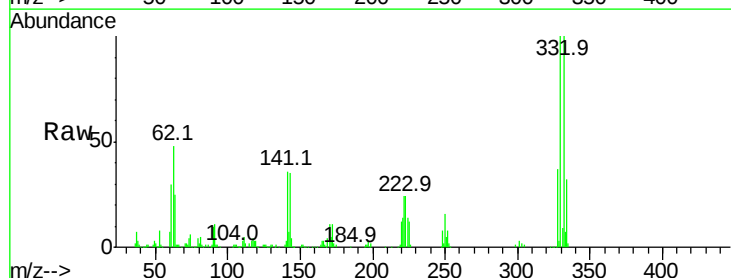
Tgt Ion:248 Resp: 12831

Ion Ratio Lower Upper

248 100

250 213.2 77.1 115.7#

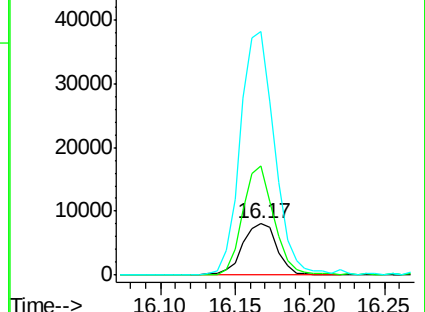
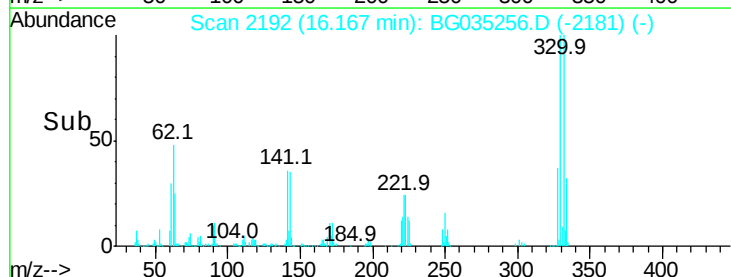
141 472.7 50.8 76.2#

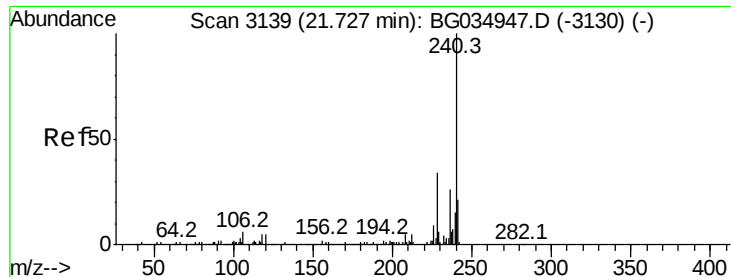


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3132

Delta R.T. -0.03 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

Instrument :

BNA_G

ClientSampleId :

061318-DBRI-E-D-B

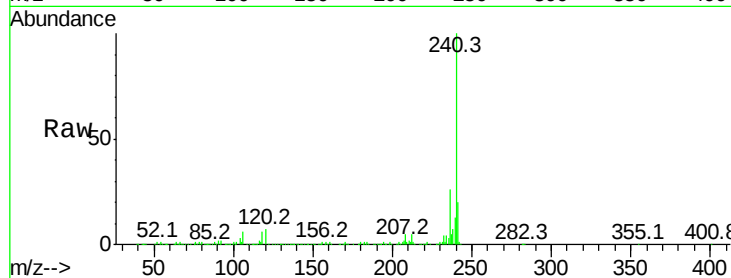
Tot Ion:240 Resp: 444692

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

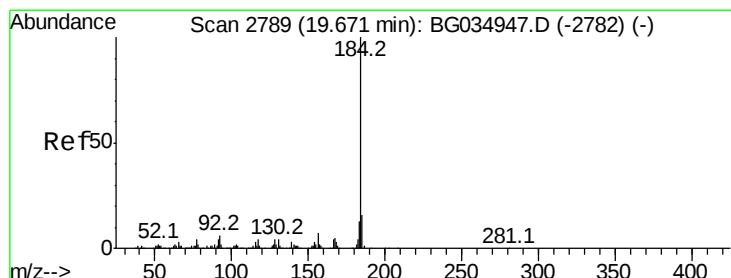
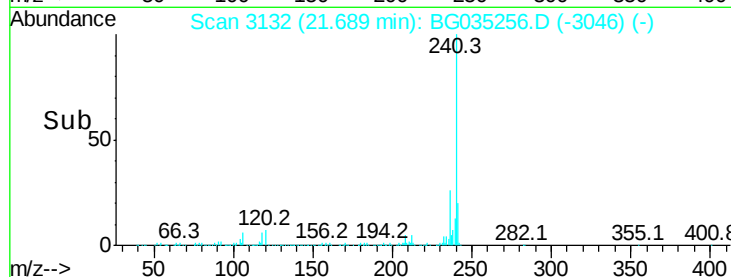
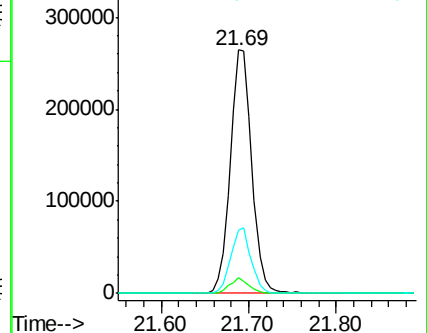
236 25.8 20.9 31.3



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: 2.339 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.37 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

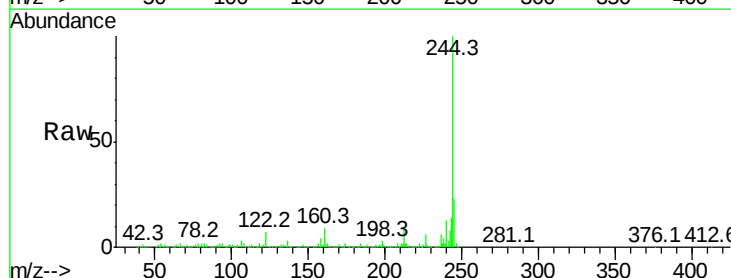
Tgt Ion:184 Resp: 38690

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

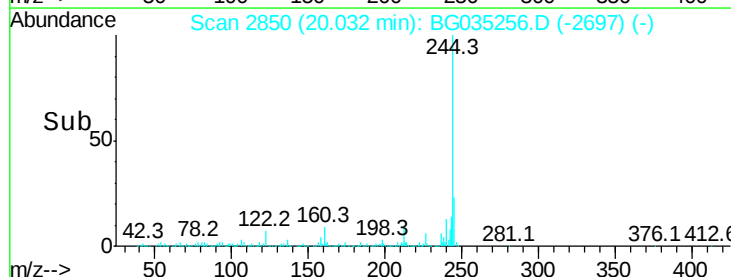
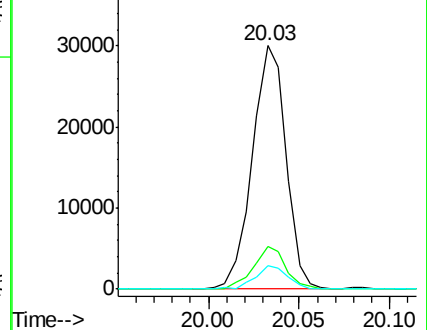
183 9.8 10.6 16.0#

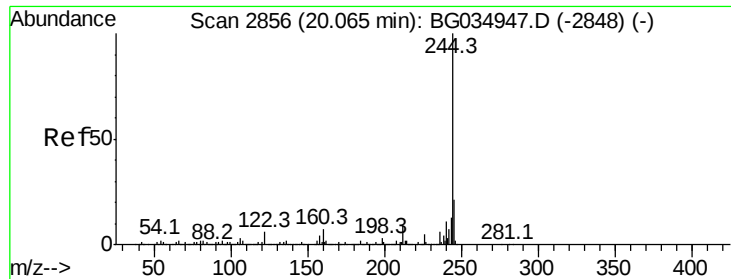


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 102.374 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

Instrument :

BNA_G

ClientSampleId :

061318-DBRI-E-D-B

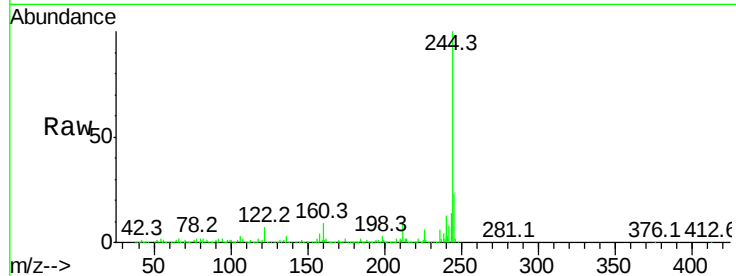
Tot Ion:244 Resp: 2173354

Ion Ratio Lower Upper

244 100

212 10.2 5.8 8.8#

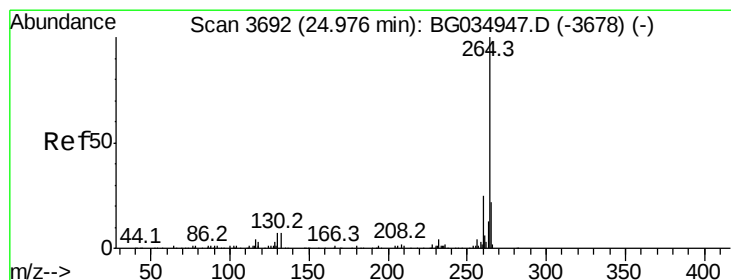
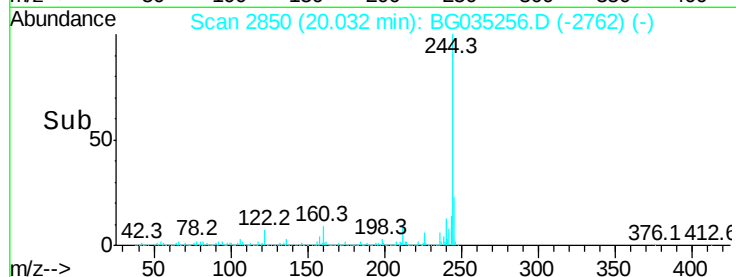
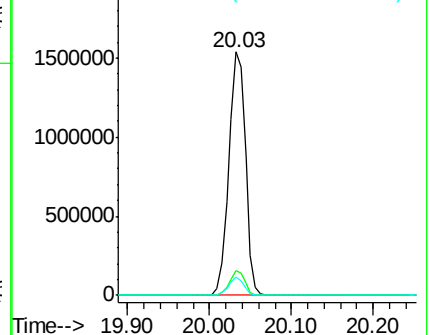
122 7.5 7.0 10.4



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: 24.92 min Scan# 3682

Delta R.T. -0.03 min

Lab File: BG035256.D

Acq: 19 Jun 2018 20:18

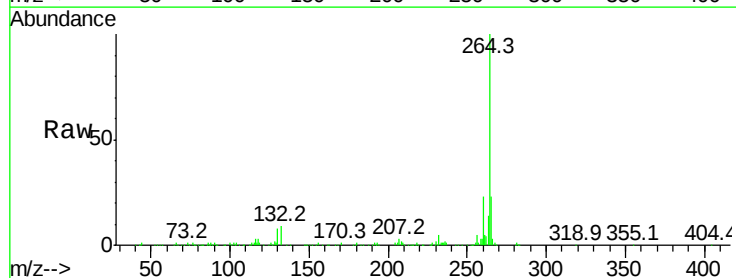
Tgt Ion:264 Resp: 362949

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 22.6 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

