

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061118\
 Data File : BG035046.D
 Acq On : 12 Jun 2018 00:42
 Operator : SJ/JU
 Sample : PB110103BL
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 12 05:58:30 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

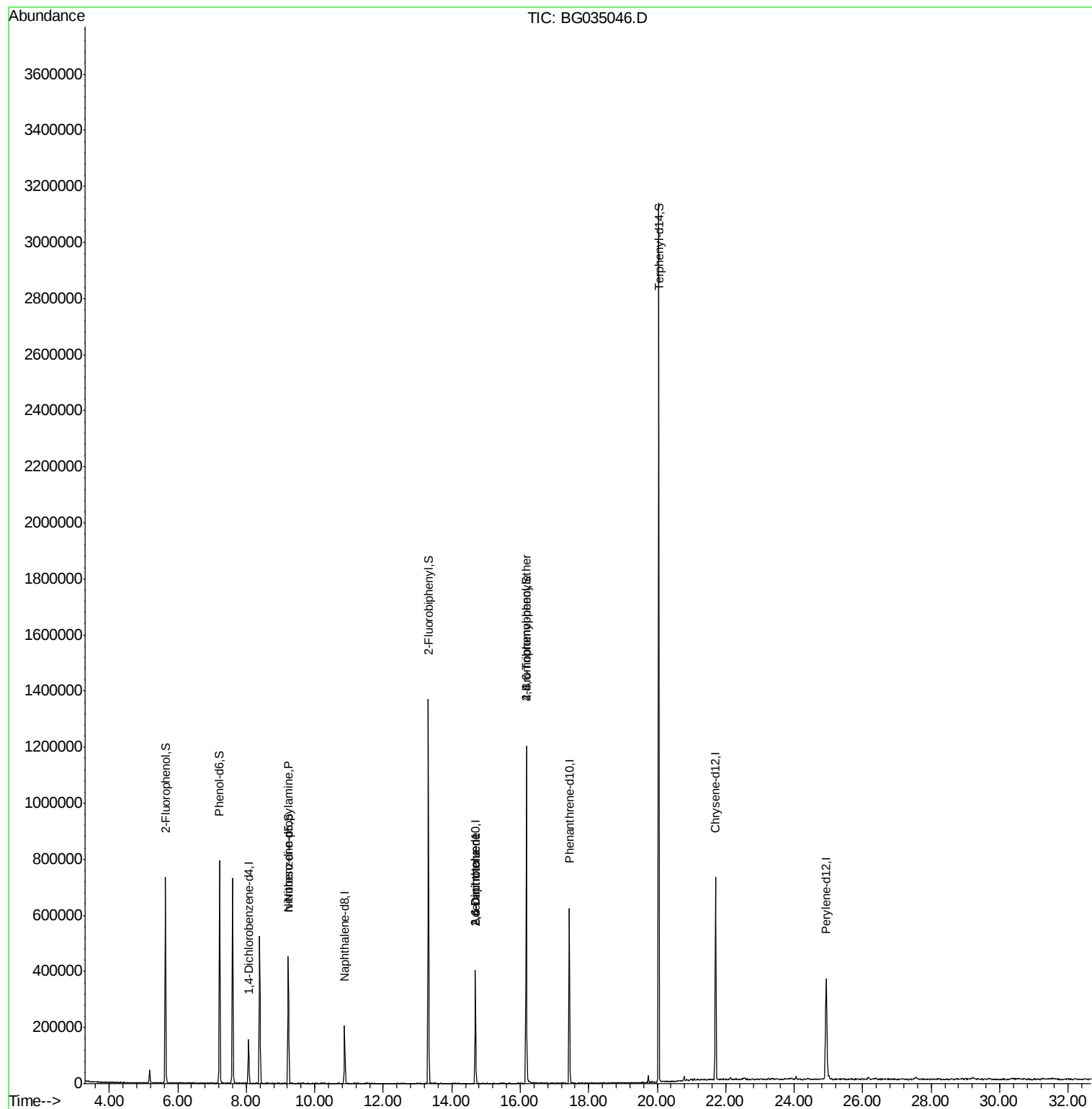
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	44224	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	175669	20.00	ng	-0.01
38) Acenaphthene-d10	14.69	164	134199	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	391434	20.00	ng	0.00
75) Chrysene-d12	21.70	240	440203	20.00	ng	-0.01
86) Perylene-d12	24.93	264	420000	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	310285	118.41	ng	0.00
7) Phenol-d6	7.22	99	463087	119.73	ng	0.00
23) Nitrobenzene-d5	9.23	82	288128	77.96	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	217582	126.65	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	727368	70.46	ng	-0.01
78) Terphenyl-d14	20.04	244	1468937	69.90	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	39876	12.135	ng	# 68
50) 2,6-Dinitrotoluene	14.69	165	18899	8.852	ng	# 21
56) 2,4-Dinitrotoluene	14.69	165	18899	6.664	ng	# 19
66) 4-Bromophenyl-phenylether	16.18	248	17126	3.633	ng	# 1

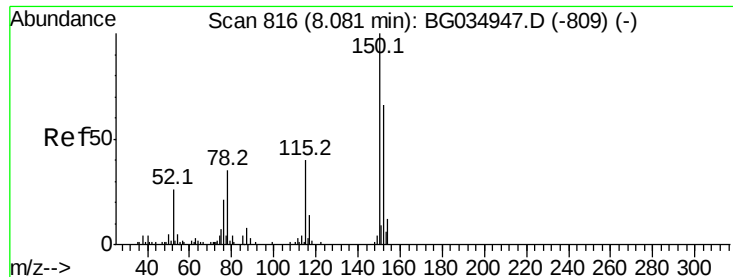
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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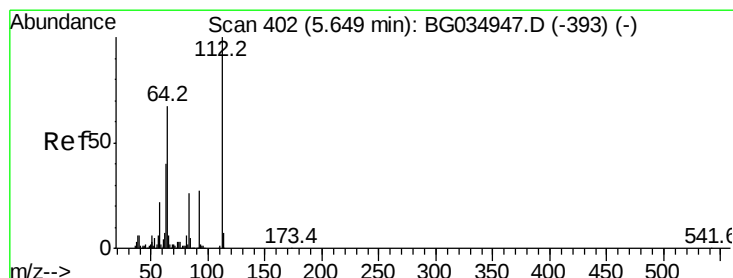
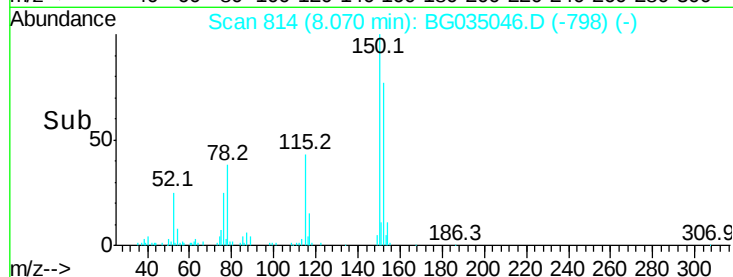
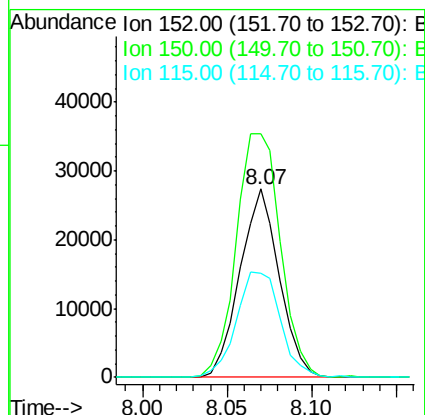
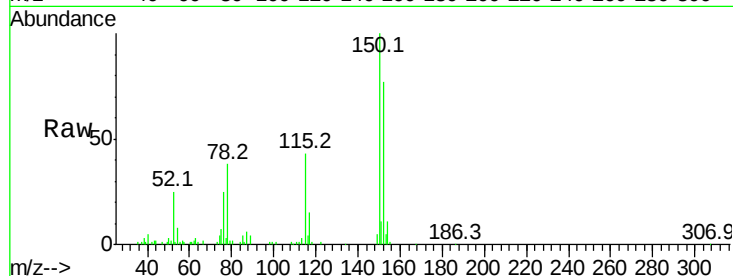


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.01 min
Lab File: BG035046.D
Acq: 12 Jun 2018 00:42

Instrument :
BNA_M
ClientSampleId :

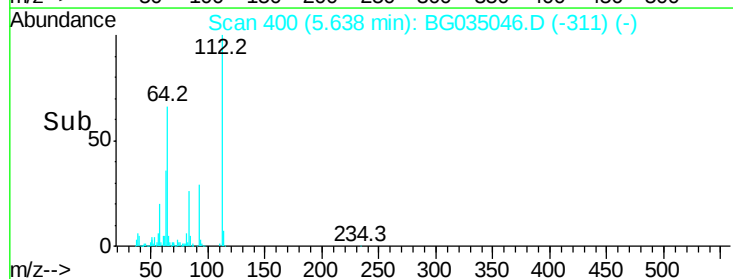
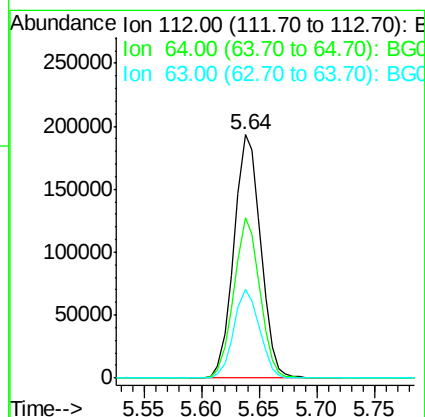
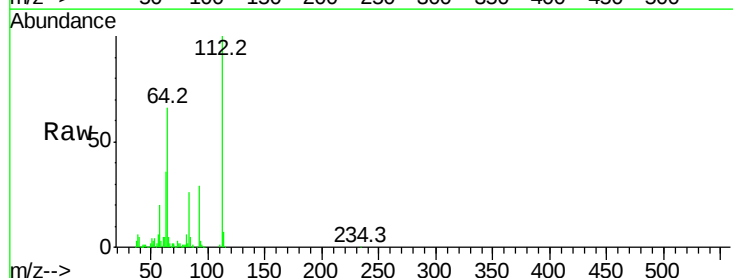
Tot Ion:152 Resp: 44224
Ion Ratio Lower Upper
152 100
150 129.4 126.6 189.8
115 55.1 53.0 79.4

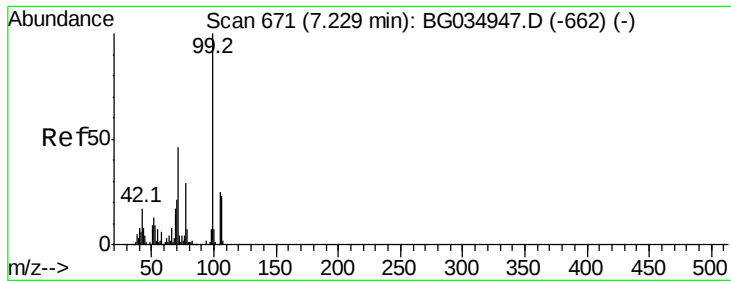


#5

2-Fluorophenol
Concen: 118.406 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035046.D
Acq: 12 Jun 2018 00:42

Tgt Ion:112 Resp: 310285
Ion Ratio Lower Upper
112 100
64 65.7 56.3 84.5
63 36.4 30.1 45.1





#7

Phenol-d6

Concen: 119.731 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG035046.D

Acq: 12 Jun 2018 00:42

Instrument :

BNA_M

ClientSampleId :

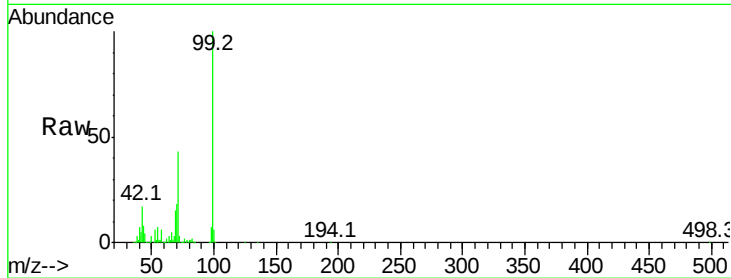
Tot Ion: 99 Resp: 463087

Ion Ratio Lower Upper

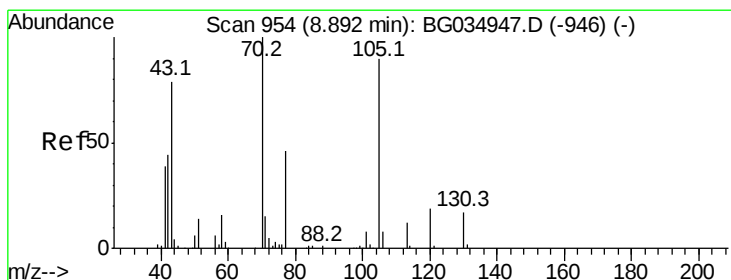
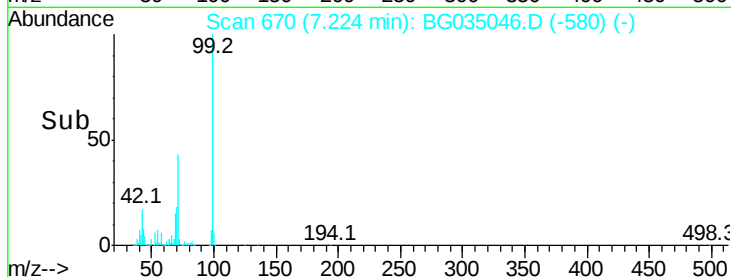
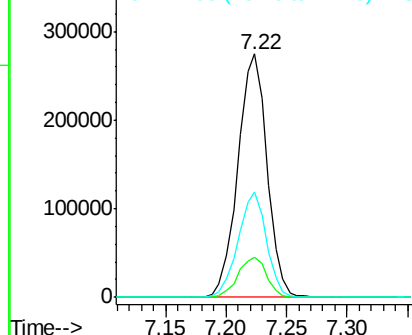
99 100

42 16.7 14.1 21.1

71 43.1 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: 12.135 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG035046.D

Acq: 12 Jun 2018 00:42

Tgt Ion: 70 Resp: 39876

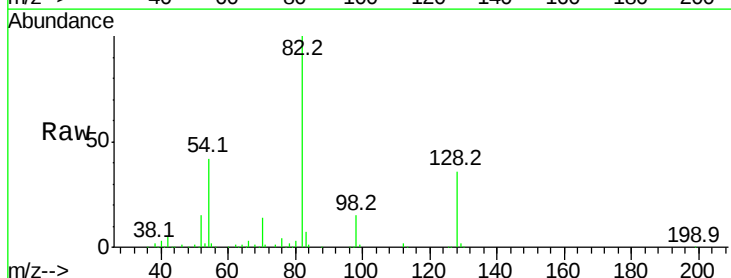
Ion Ratio Lower Upper

70 100

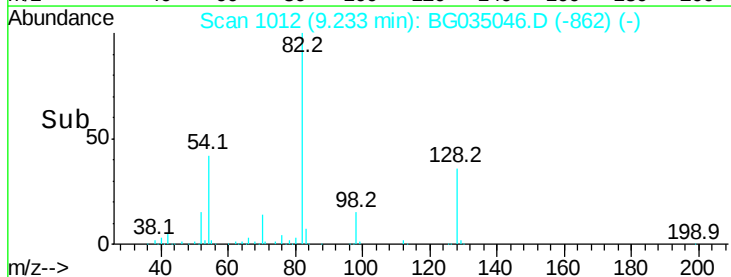
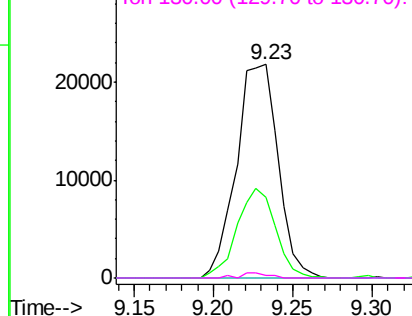
42 37.5 49.1 73.7#

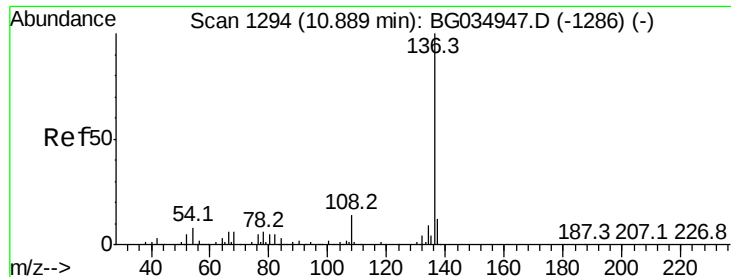
101 0.0 8.5 12.7#

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: 10.87 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BG035046.D

Acq: 12 Jun 2018 00:42

Instrument :

BNA_M

ClientSampled :

Tot Ion:136 Resp: 175669

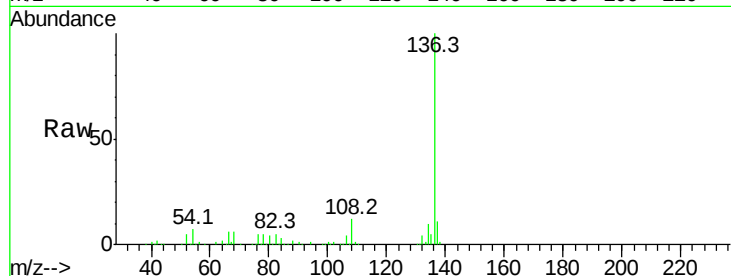
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 7.4 10.3 15.5#

68 5.9 4.5 6.7

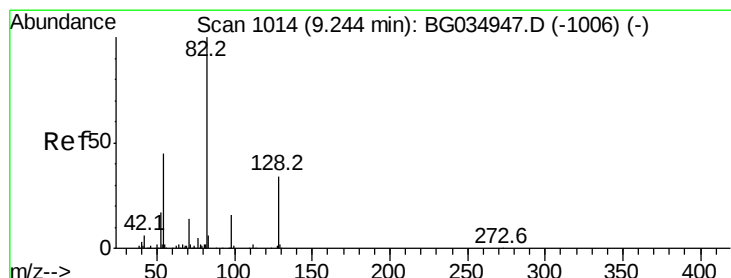
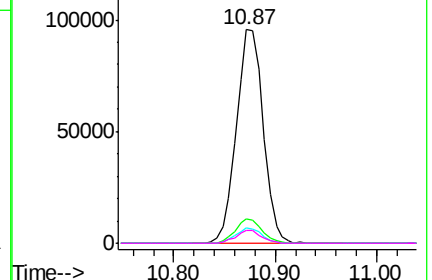
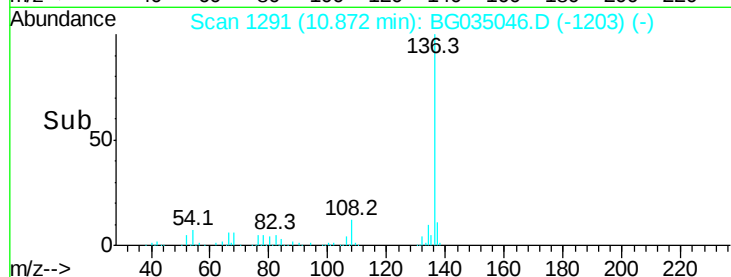


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.965 ng

RT: 9.23 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BG035046.D

Acq: 12 Jun 2018 00:42

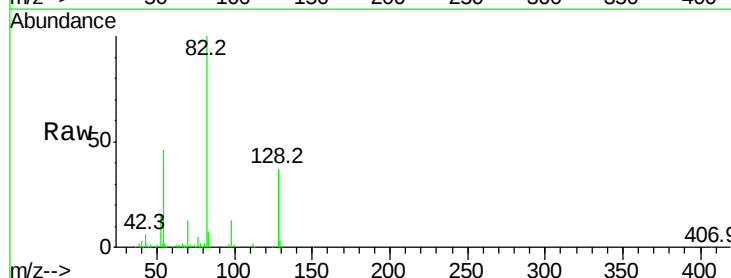
Tgt Ion: 82 Resp: 288128

Ion Ratio Lower Upper

82 100

128 37.1 29.7 44.5

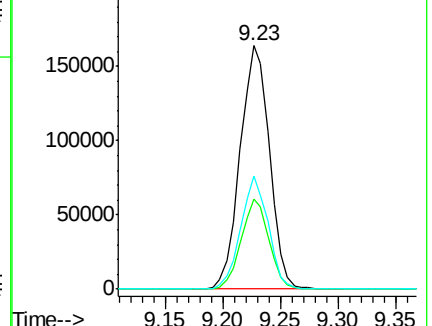
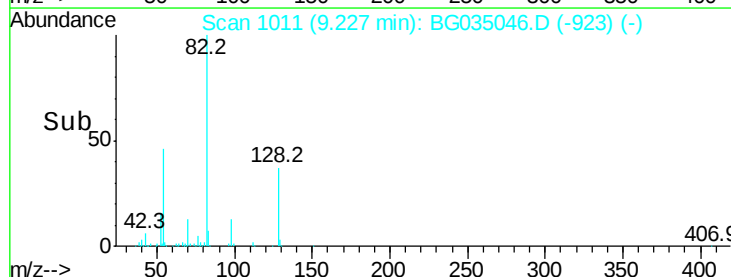
54 46.3 43.1 64.7

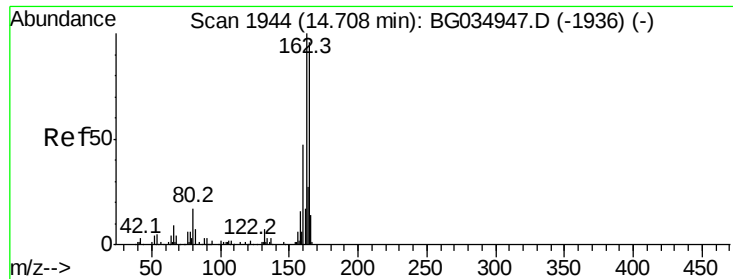


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.69 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG035046.D

Acq: 12 Jun 2018 00:42

Instrument :

BNA_M

ClientSampleId :

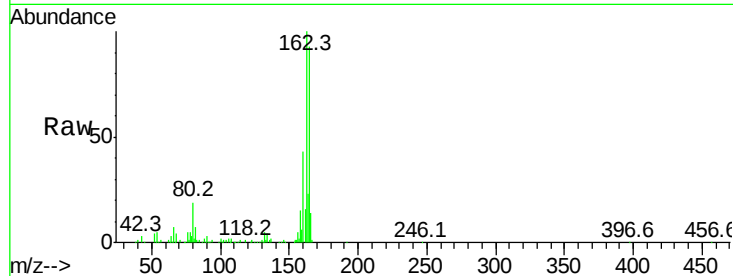
Tot Ion:164 Resp: 134199

Ion Ratio Lower Upper

164 100

162 107.2 78.8 118.2

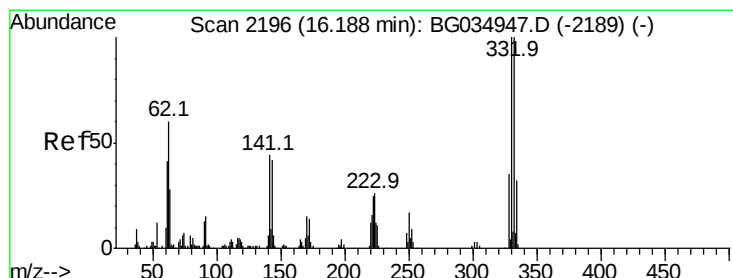
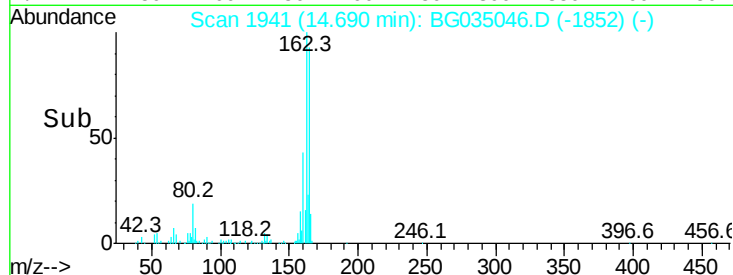
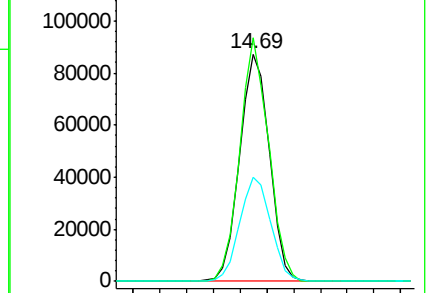
160 46.0 35.4 53.0



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: 126.655 ng

RT: 16.18 min Scan# 2194

Delta R.T. -0.01 min

Lab File: BG035046.D

Acq: 12 Jun 2018 00:42

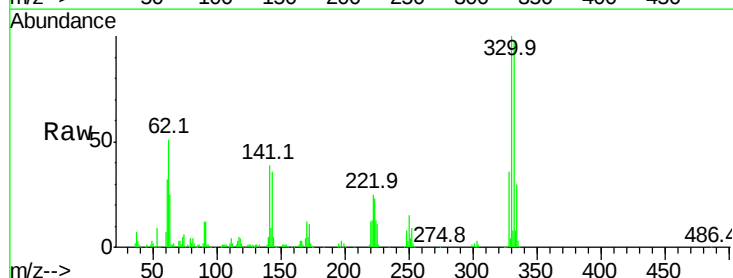
Tgt Ion:330 Resp: 217582

Ion Ratio Lower Upper

330 100

332 99.3 77.0 115.6

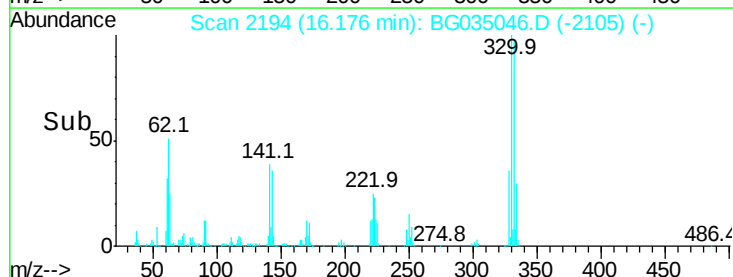
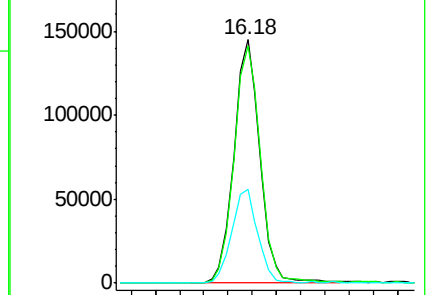
141 38.6 25.2 37.8#

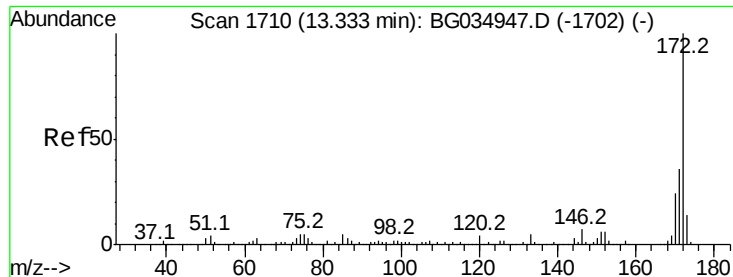


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

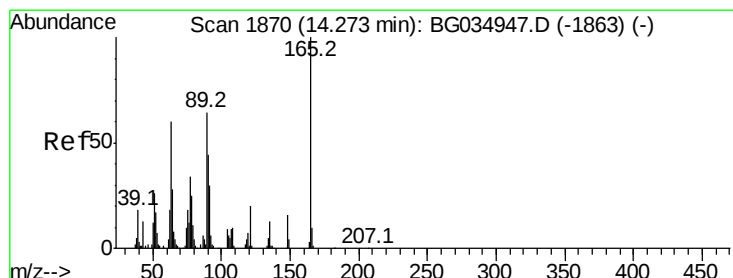
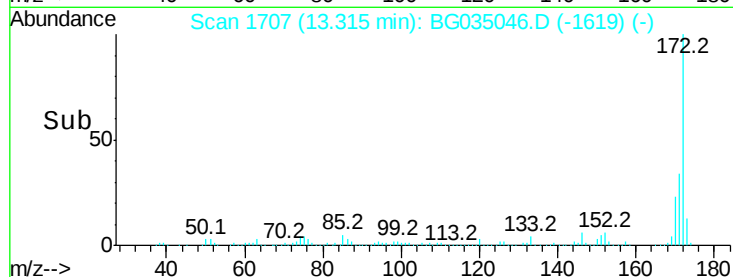
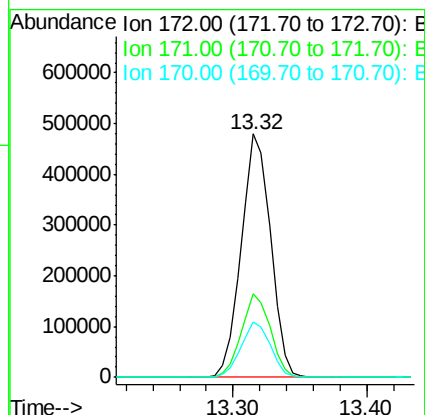
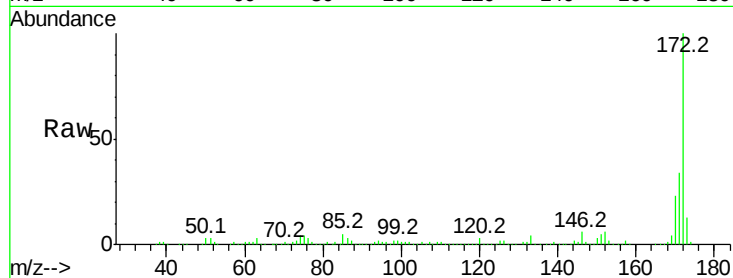




#44
 2-Fluorobiphenyl
 Concen: 70.461 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG035046.D
 Acq: 12 Jun 2018 00:42

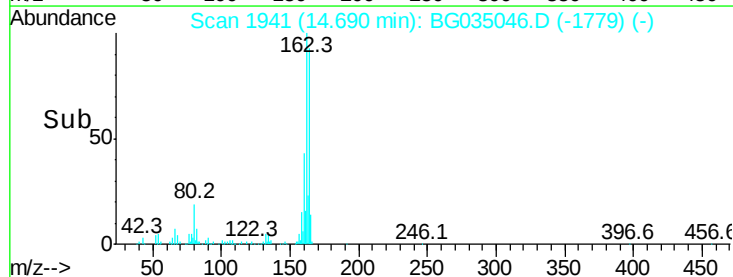
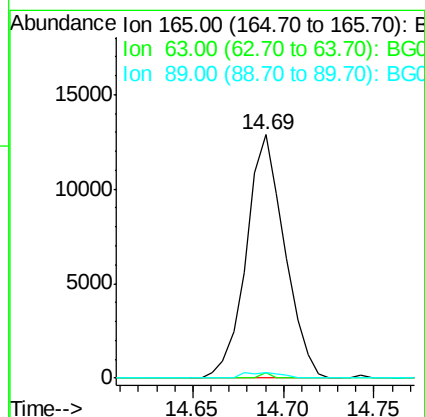
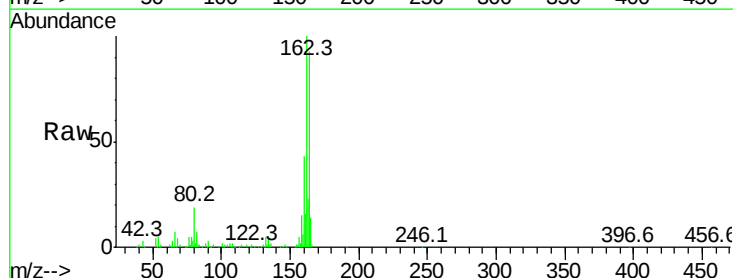
Instrument :
 BNA_M
 ClientSampleId :

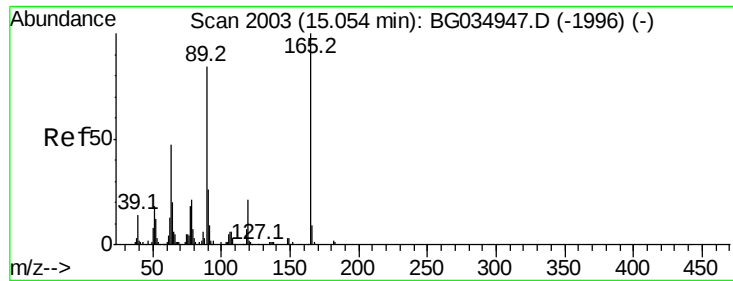
Tot Ion:172 Resp: 727368
 Ion Ratio Lower Upper
 172 100
 171 34.2 30.0 45.0
 170 22.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.852 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. 0.42 min
 Lab File: BG035046.D
 Acq: 12 Jun 2018 00:42

Tgt Ion:165 Resp: 18899
 Ion Ratio Lower Upper
 165 100
 63 2.4 52.7 79.1#
 89 2.1 49.2 73.8#

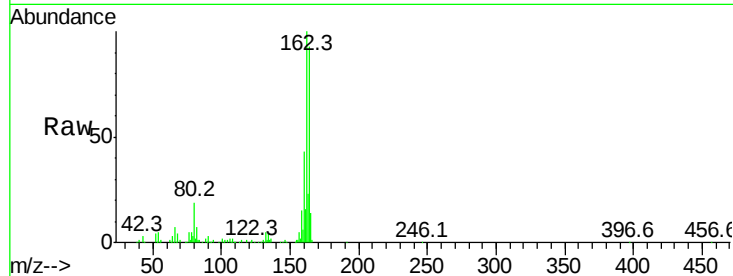




#56
 2,4-Dinitrotoluene
 Concen: 6.664 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.36 min
 Lab File: BG035046.D
 Acq: 12 Jun 2018 00:42

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	42.0	63.0#
89	2.1	66.9	100.3#
182	0.0	2.6	3.8#

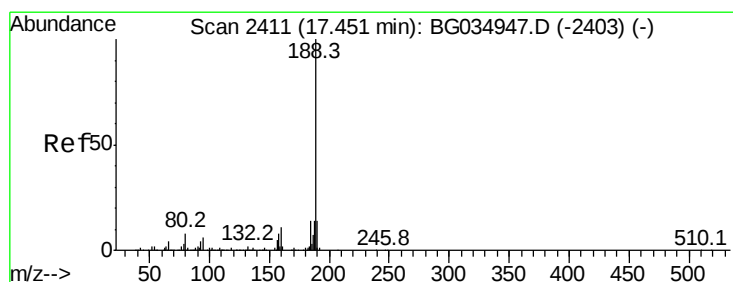
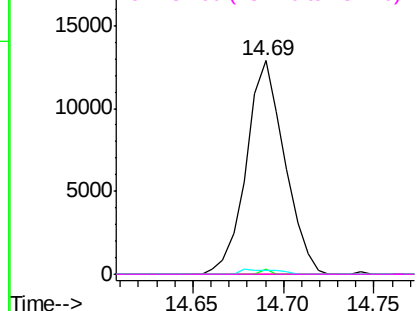
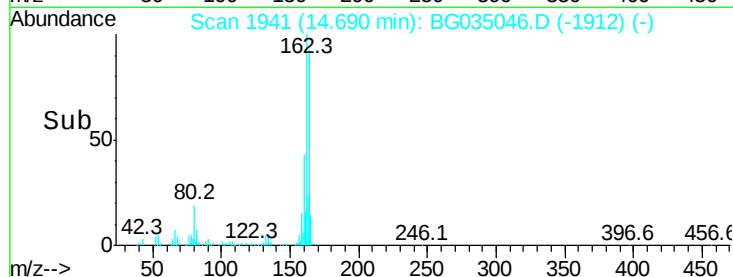


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

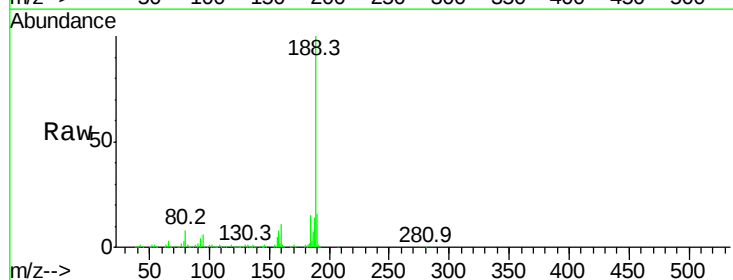
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BG035046.D
 Acq: 12 Jun 2018 00:42

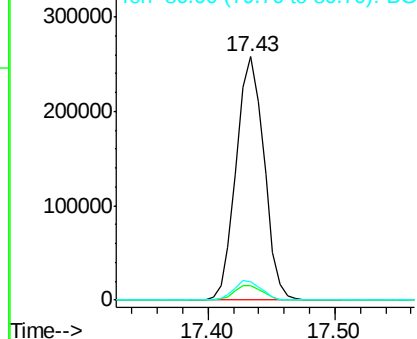
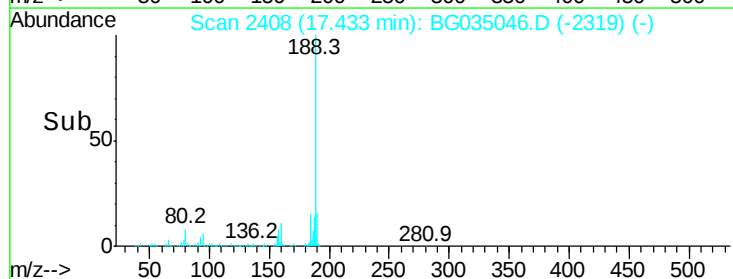
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	6.9	10.3#
80	7.7	7.7	11.5

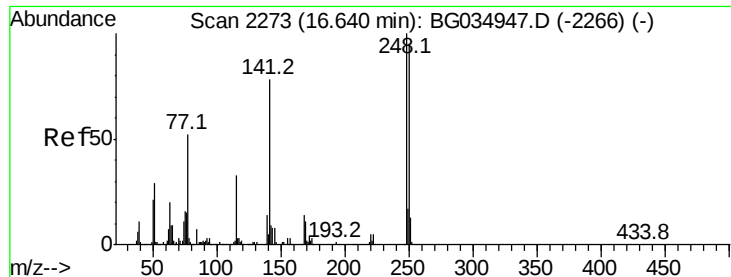


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

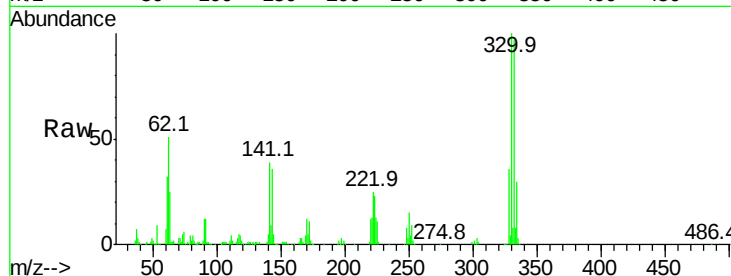




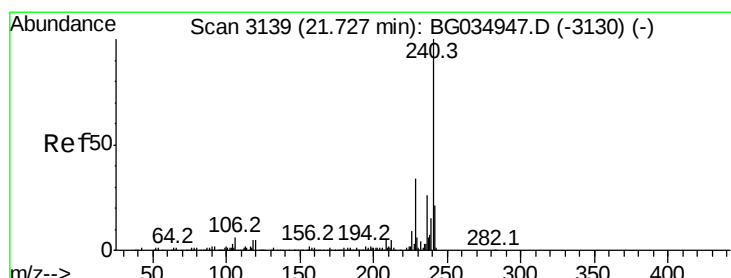
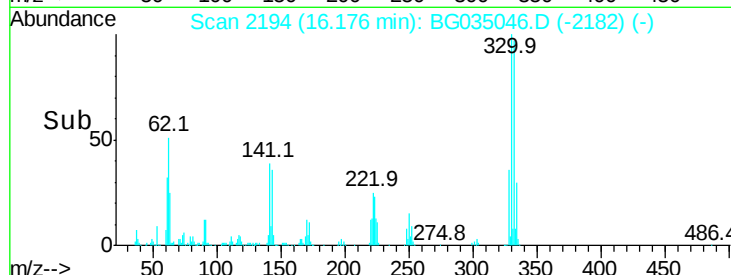
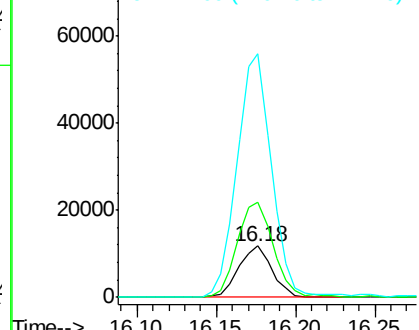
#66
 4-Bromophenyl-phenylether
 Concen: 3.633 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.46 min
 Lab File: BG035046.D
 Acq: 12 Jun 2018 00:42

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:248 Resp: 17126
 Ion Ratio Lower Upper
 248 100
 250 185.9 77.1 115.7#
 141 476.6 50.8 76.2#

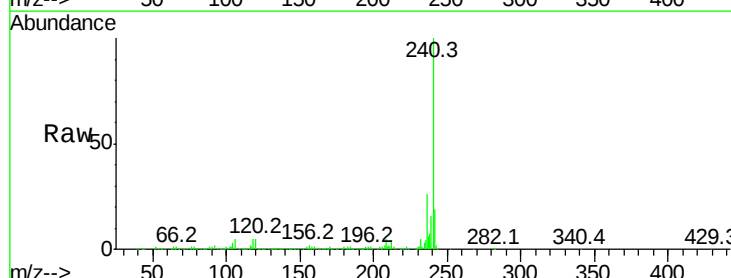


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

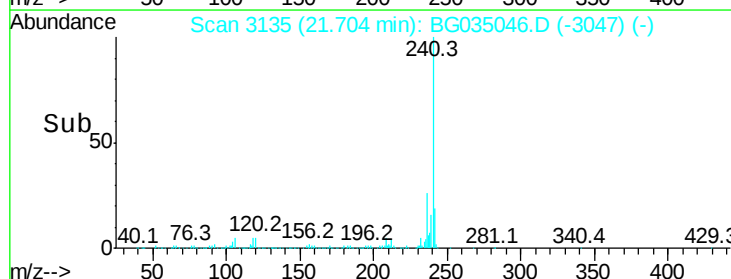
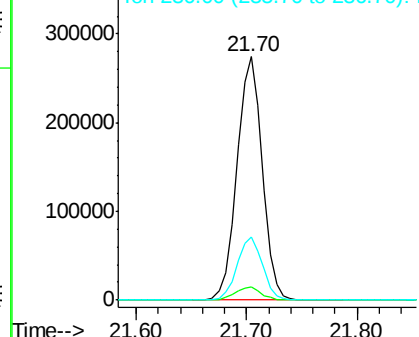


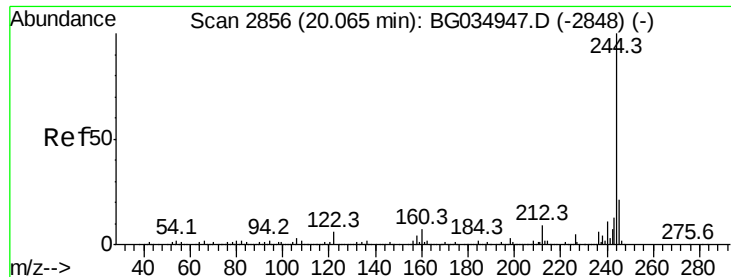
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3135
 Delta R.T. -0.01 min
 Lab File: BG035046.D
 Acq: 12 Jun 2018 00:42

Tgt Ion:240 Resp: 440203
 Ion Ratio Lower Upper
 240 100
 120 5.3 6.8 10.2#
 236 25.7 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





#78

Terphenyl-d14

Concen: 69.898 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG035046.D

Acq: 12 Jun 2018 00:42

Instrument :

BNA_M

ClientSampled :

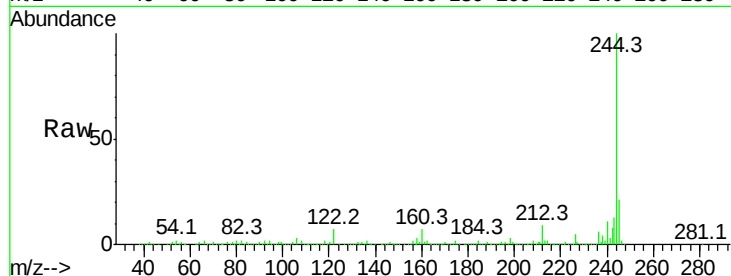
Tot Ion:244 Resp: 1468937

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

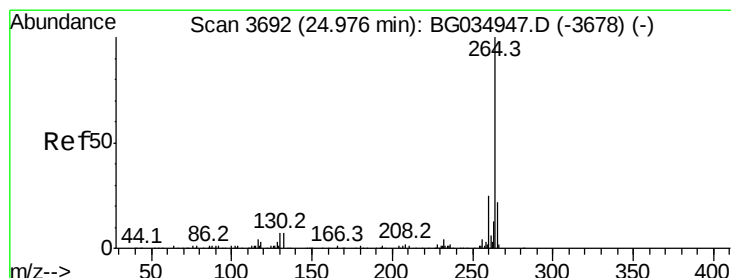
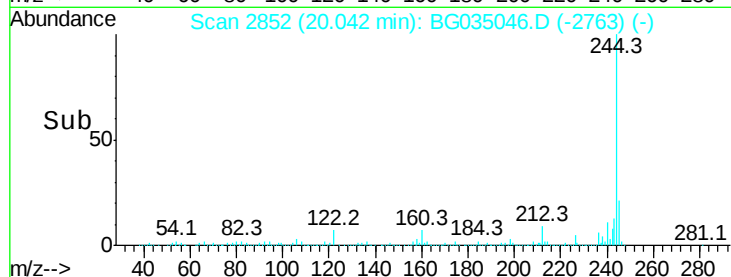
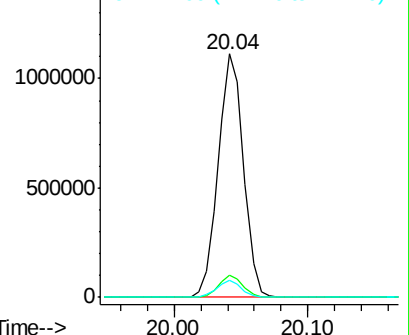
122 6.8 7.0 10.4#



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: 24.93 min Scan# 3685

Delta R.T. -0.02 min

Lab File: BG035046.D

Acq: 12 Jun 2018 00:42

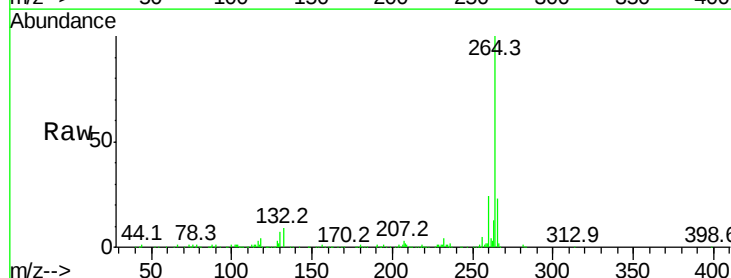
Tgt Ion:264 Resp: 420000

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 23.4 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

