

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034970.D
 Acq On : 8 Jun 2018 2:30
 Operator : SJ/JU
 Sample : PB110034BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 08 04:34:50 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 07 13:13:20 2018
 Response via : Initial Calibration

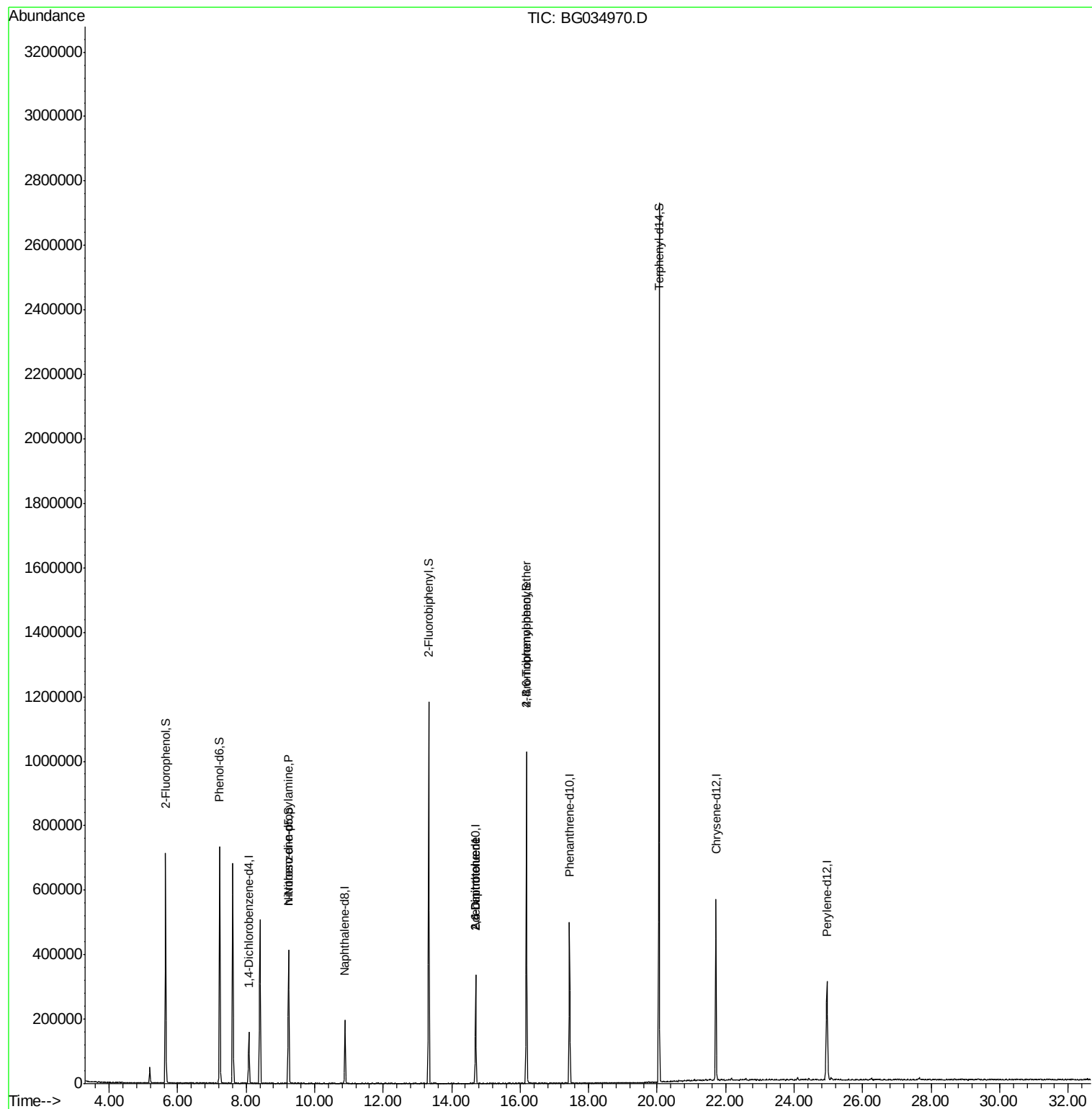
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	42392	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	152325	20.00	ng	0.00
38) Acenaphthene-d10	14.70	164	111740	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	305693	20.00	ng	0.00
75) Chrysene-d12	21.71	240	344489	20.00	ng	-0.02
86) Perylene-d12	24.95	264	331478	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	286986	114.25	ng	0.00
7) Phenol-d6	7.23	99	428791	115.66	ng	0.00
23) Nitrobenzene-d5	9.23	82	262521	81.92	ng	-0.02
41) 2,4,6-Tribromophenol	16.18	330	183546	128.32	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	639394	74.39	ng	0.00
78) Terphenyl-d14	20.06	244	1246816	75.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	36430	11.57	ng	# 75
50) 2,6-Dinitrotoluene	14.70	165	15493	8.72	ng	# 20
56) 2,4-Dinitrotoluene	14.70	165	15493	6.56	ng	# 18
66) 4-Bromophenyl-phenylether	16.18	248	15174	4.12	ng	# 1

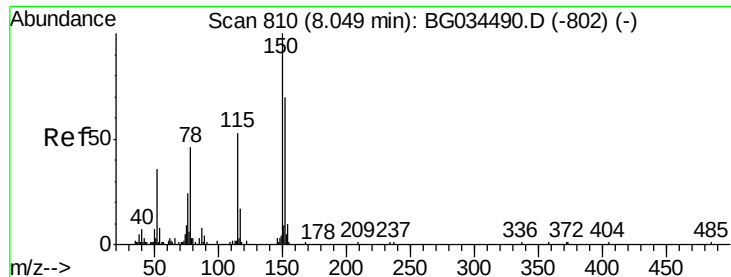
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 815

Delta R.T. -0.01 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

Instrument :

BNA_G

ClientSampled :

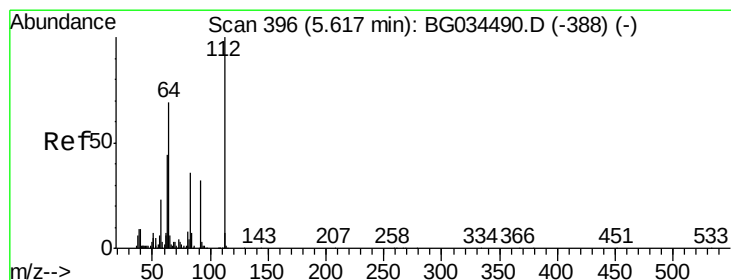
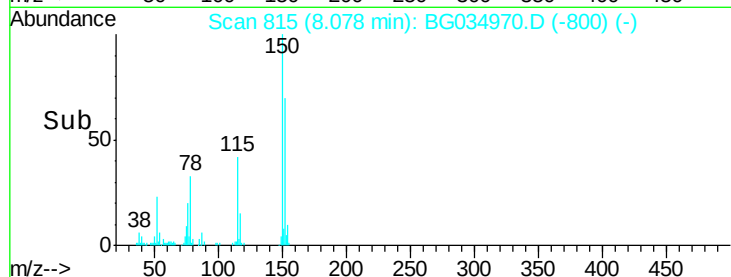
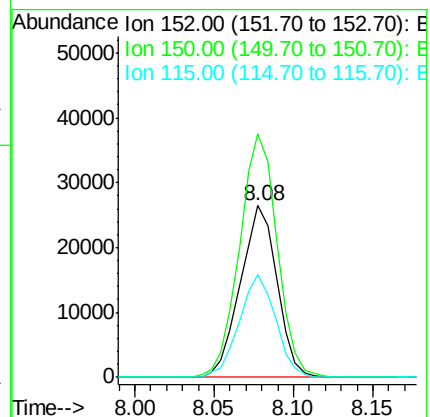
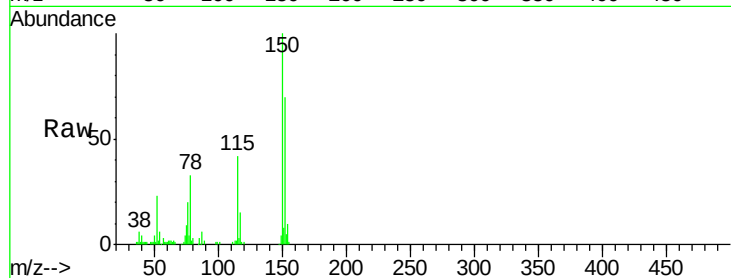
Tot Ion:152 Resp: 42392

Ion Ratio Lower Upper

152 100

150 142.0 126.6 189.8

115 60.3 53.0 79.4



#5

2-Fluorophenol

Concen: 114.25 ng

RT: 5.65 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

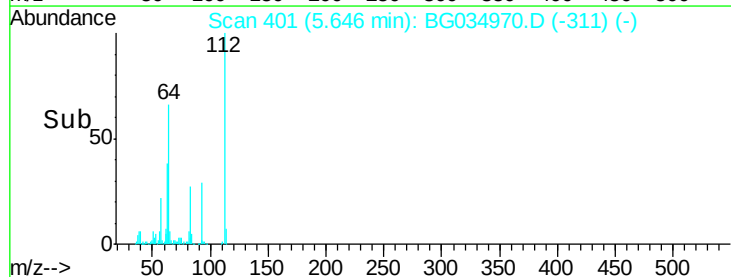
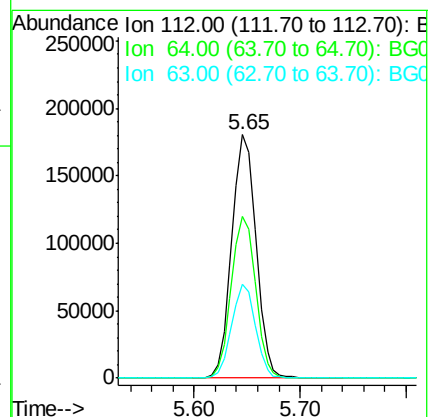
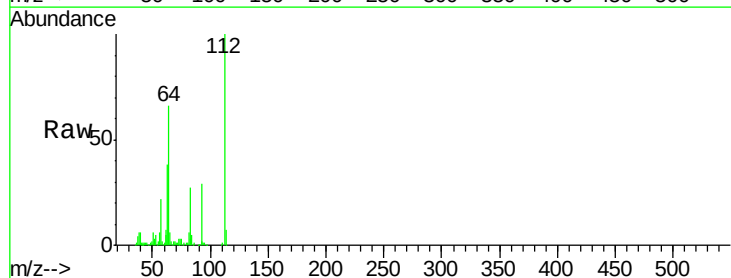
Tgt Ion:112 Resp: 286986

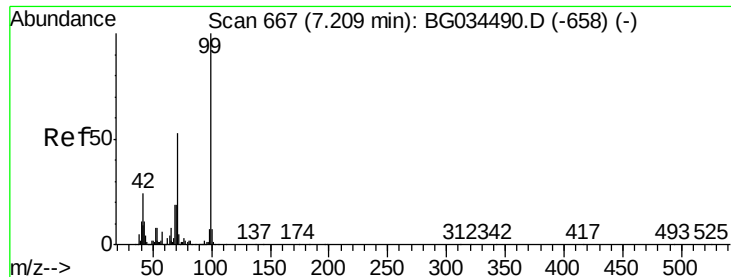
Ion Ratio Lower Upper

112 100

64 66.2 56.3 84.5

63 38.3 30.1 45.1





#7

Phenol-d6

Concen: 115.66 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

Instrument :

BNA_G

ClientSampleId :

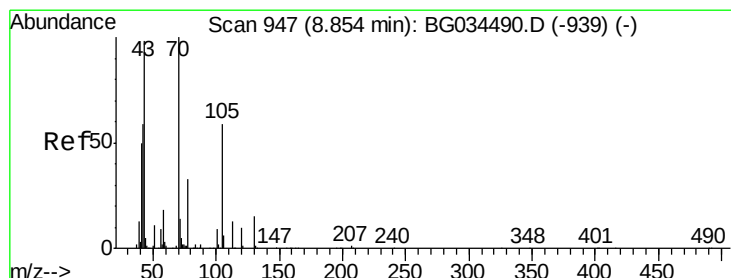
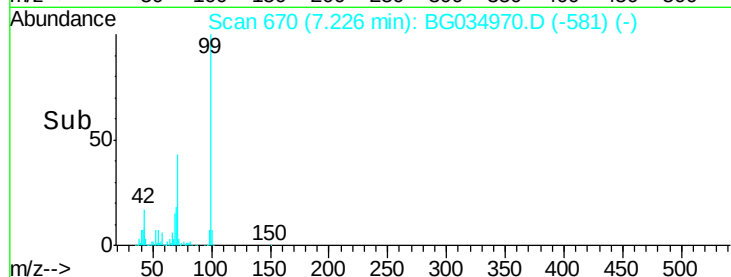
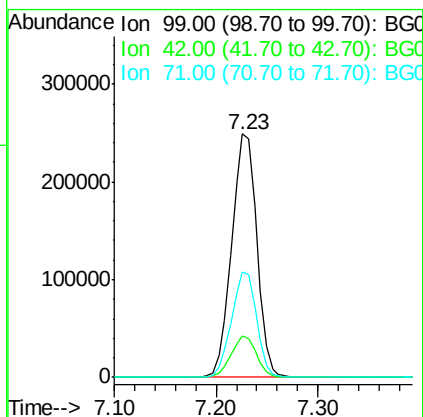
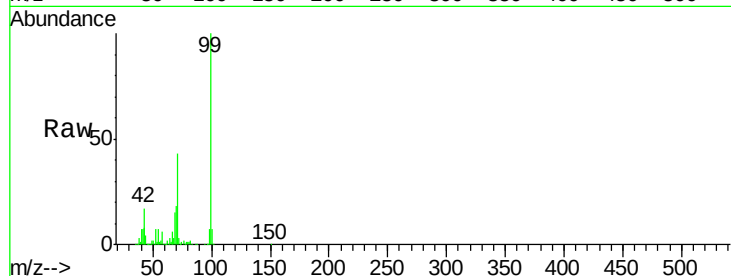
Tot Ion: 99 Resp: 428791

Ion Ratio Lower Upper

99 100

42 16.7 14.1 21.1

71 43.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 11.57 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.34 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

Tgt Ion: 70 Resp: 36430

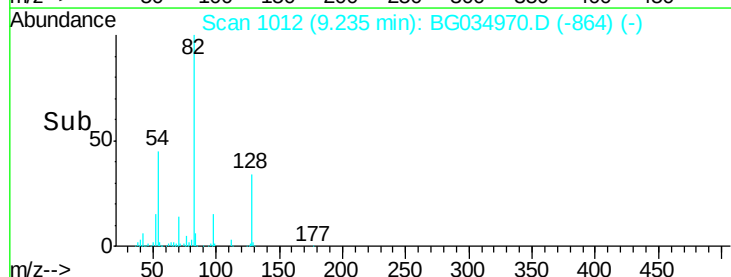
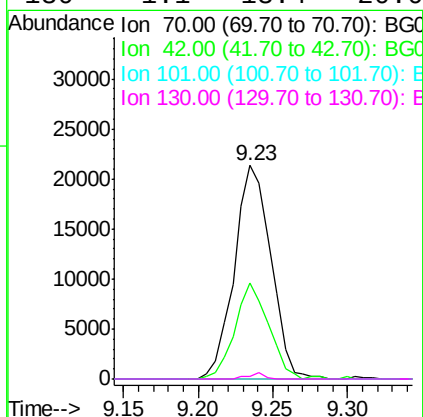
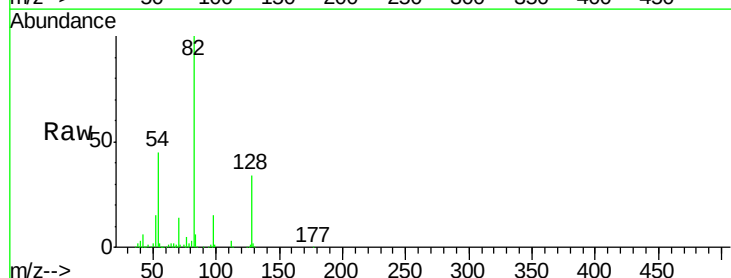
Ion Ratio Lower Upper

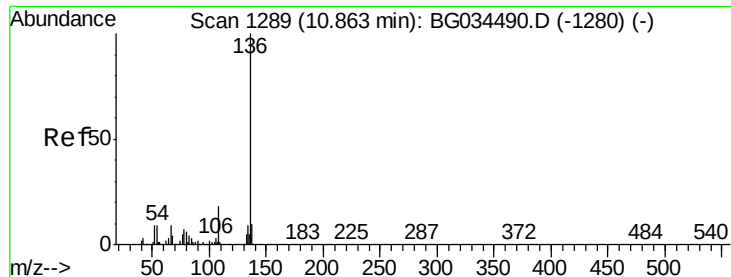
70 100

42 44.9 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#

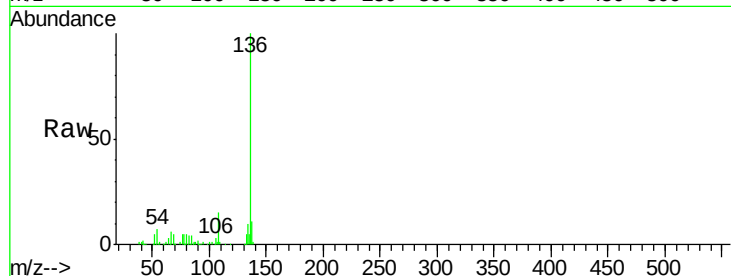




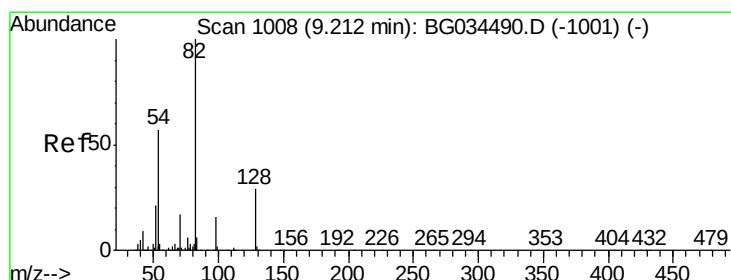
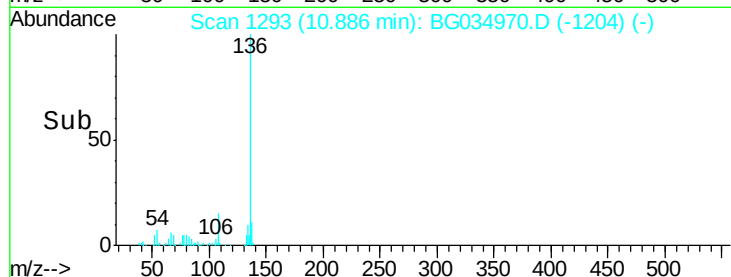
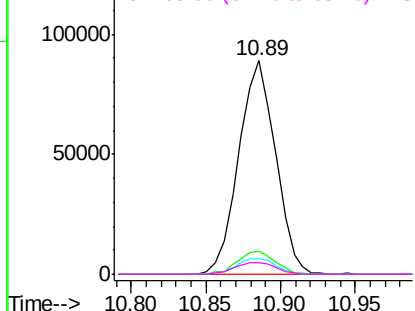
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034970.D
Acq: 8 Jun 2018 2:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	152325
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.2 13.8
54	7.2	10.3 15.5
68	5.2	4.5 6.7

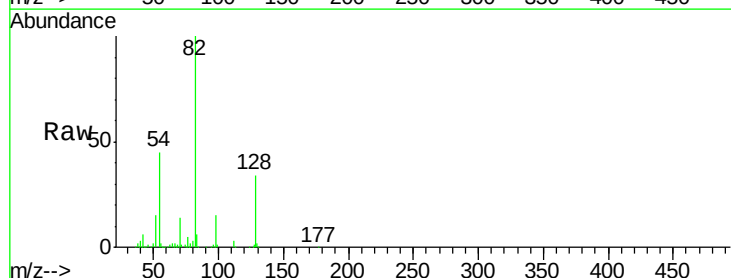


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

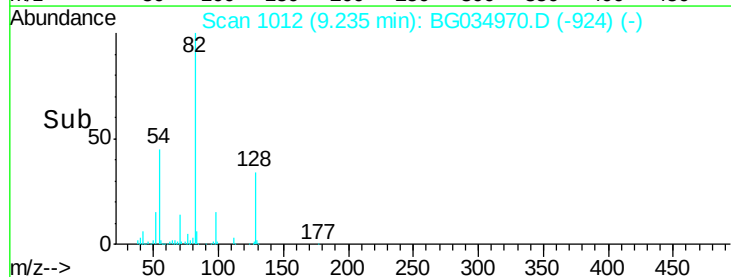
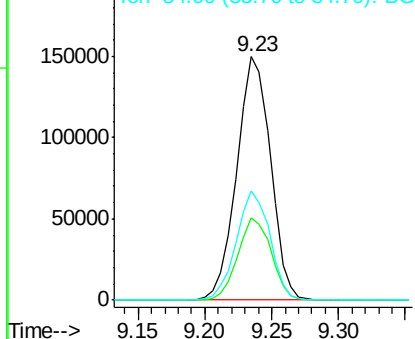


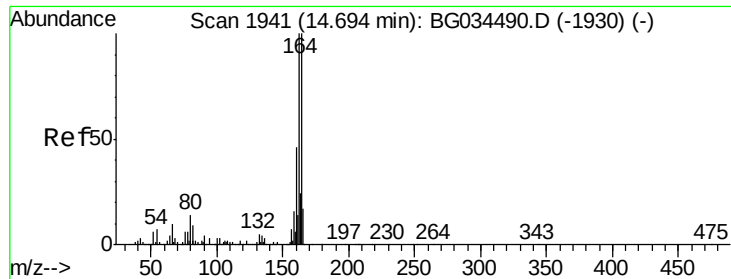
#23
Nitrobenzene-d5
Concen: 81.92 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BG034970.D
Acq: 8 Jun 2018 2:30

Tgt Ion: 82	Resp:	262521
Ion Ratio	Lower	Upper
82	100	
128	33.6	29.7 44.5
54	44.7	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: 20.00 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

Instrument :

BNA_G

ClientSampleId :

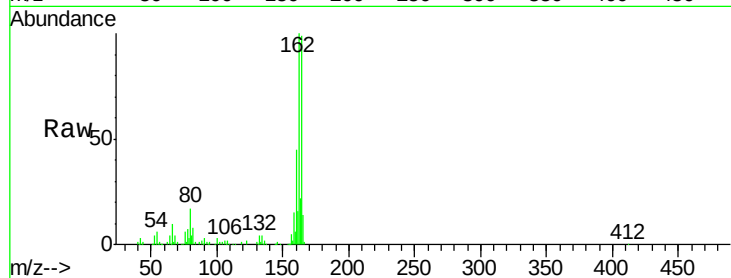
Tot Ion:164 Resp: 111740

Ion Ratio Lower Upper

164 100

162 101.0 78.8 118.2

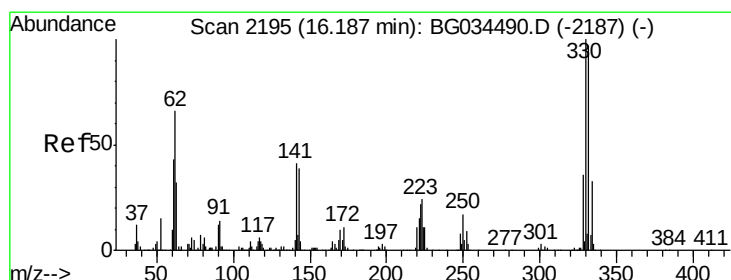
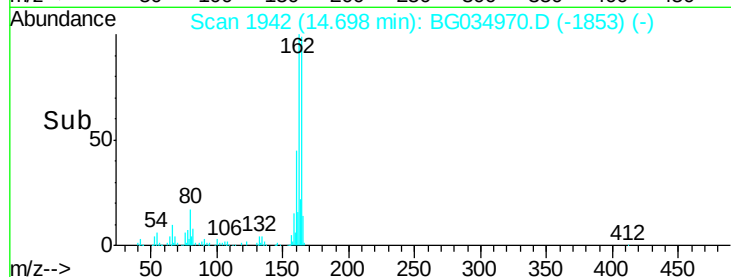
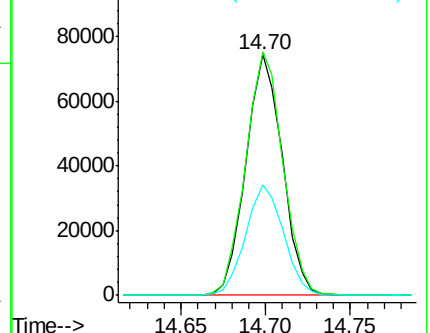
160 45.7 35.4 53.0



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: 128.32 ng

RT: 16.18 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

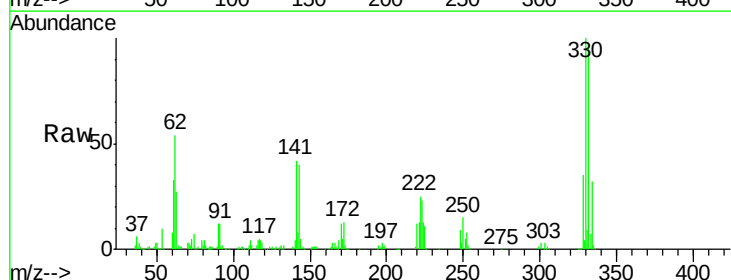
Tgt Ion:330 Resp: 183546

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

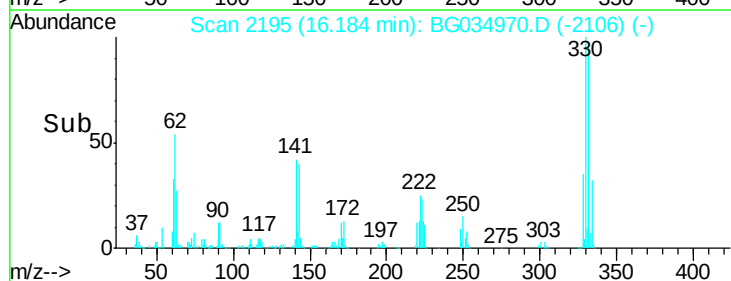
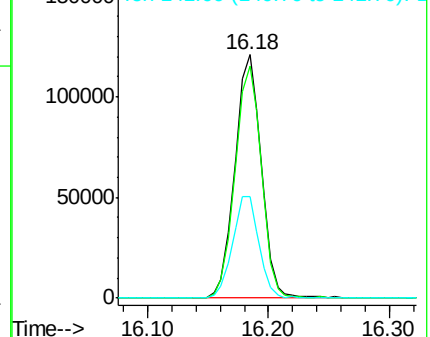
141 42.0 25.2 37.8#

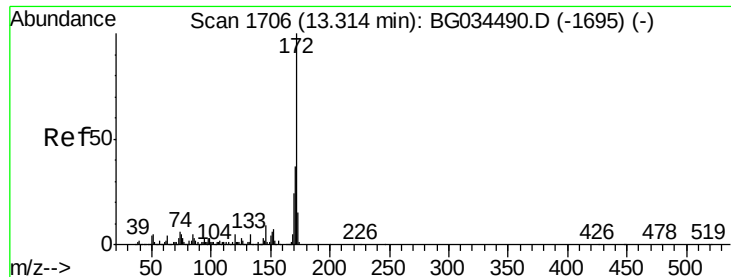


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

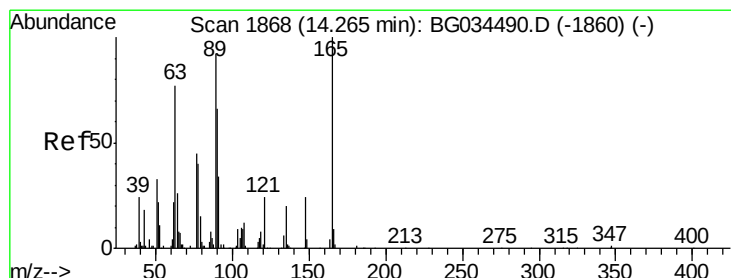
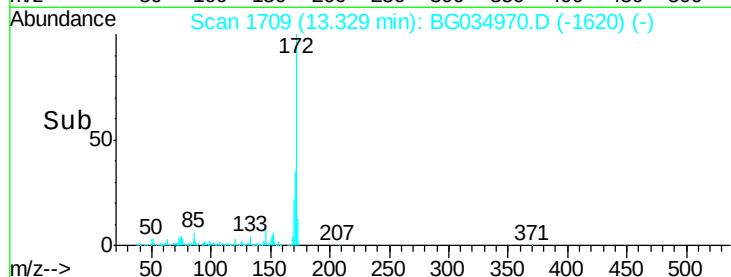
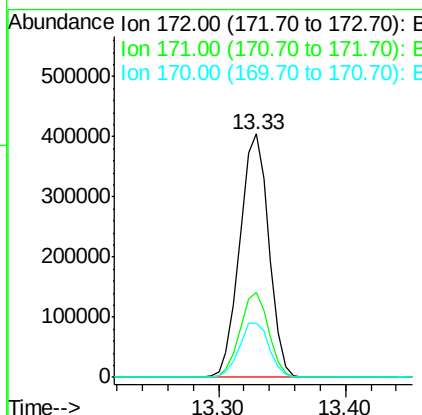
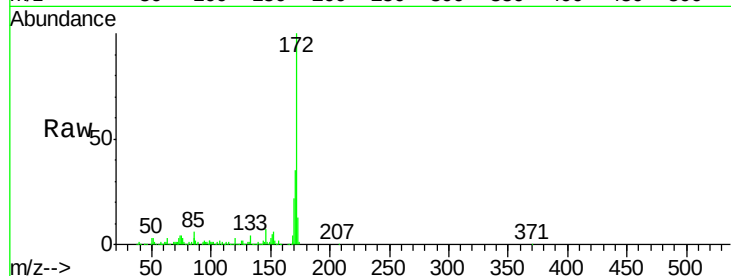




#44
 2-Fluorobiphenyl
 Concen: 74.39 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG034970.D
 Acq: 8 Jun 2018 2:30

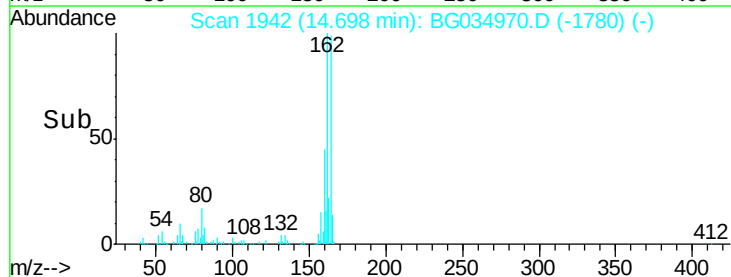
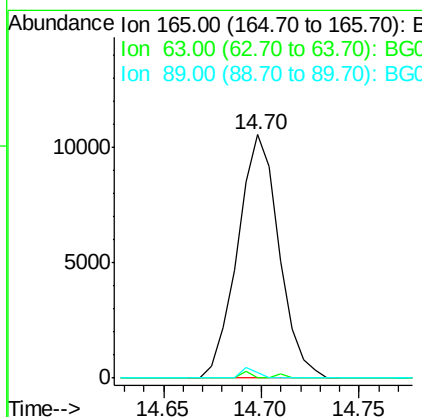
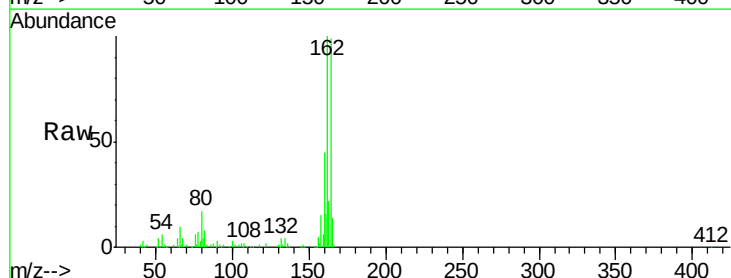
Instrument :
 BNA_G
 ClientSampled :

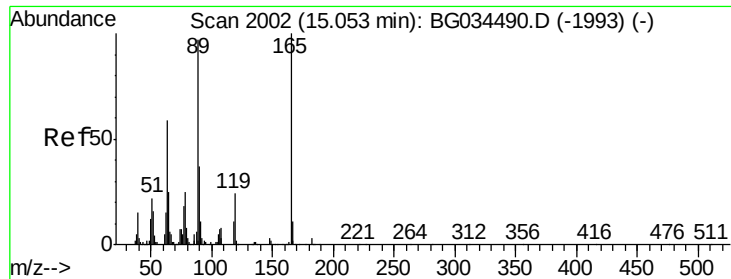
Tot Ion:172 Resp: 639394
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.0 45.0
 170 22.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.72 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.42 min
 Lab File: BG034970.D
 Acq: 8 Jun 2018 2:30

Tgt Ion:165 Resp: 15493
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.2 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 6.56 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.37 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 15493

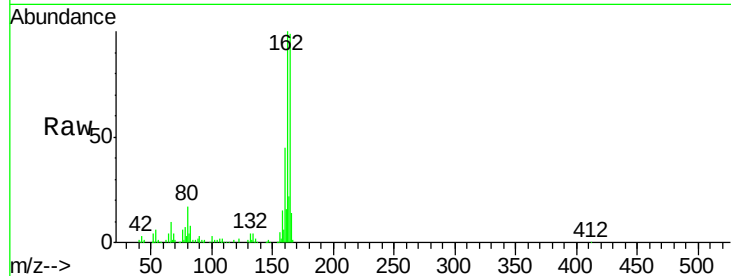
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.2 66.9 100.3#

182 0.0 2.6 3.8#

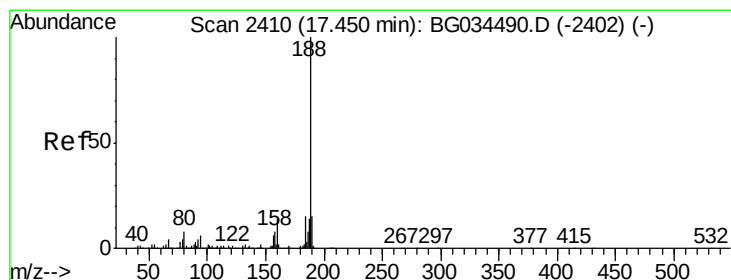
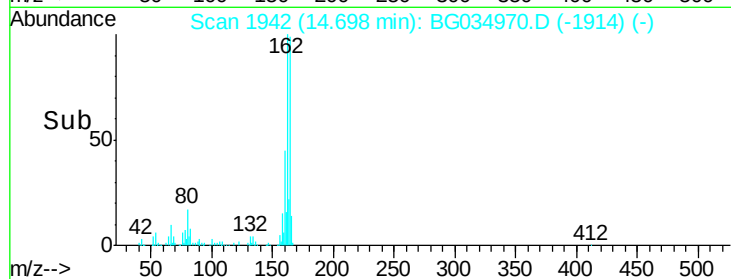
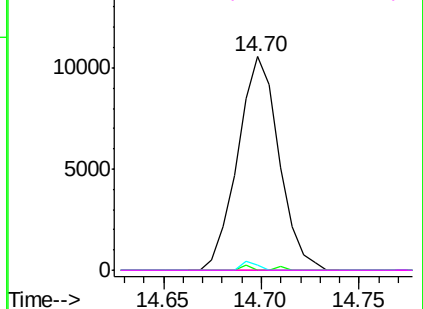


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 17.44 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

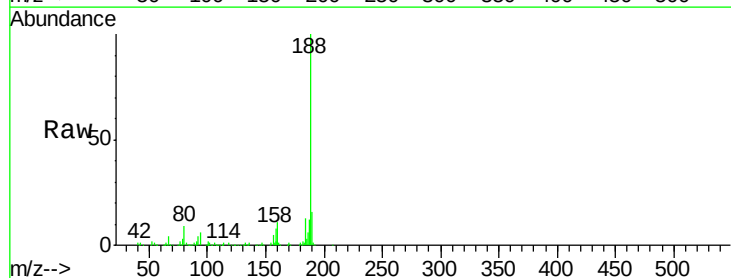
Tgt Ion:188 Resp: 305693

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

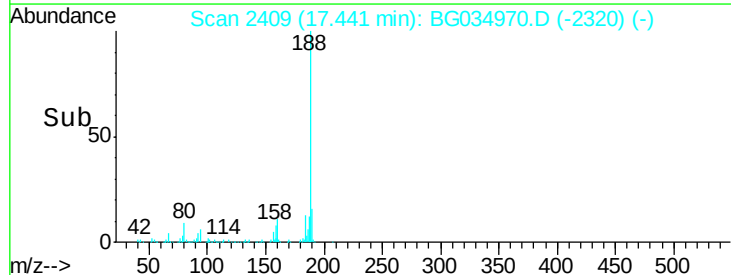
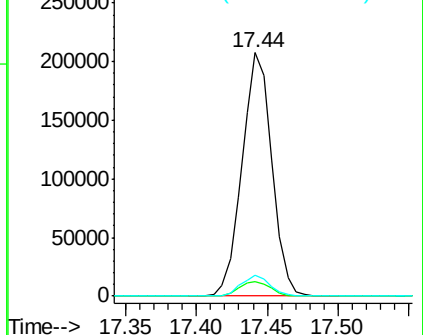
80 8.8 7.7 11.5

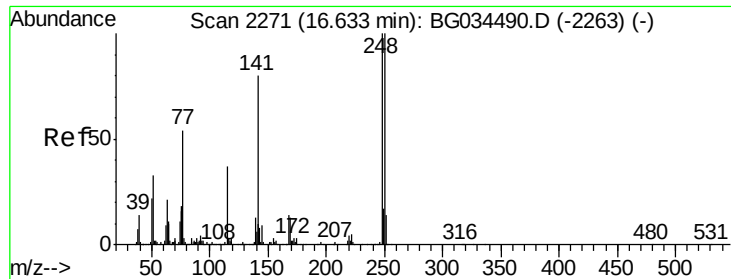


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

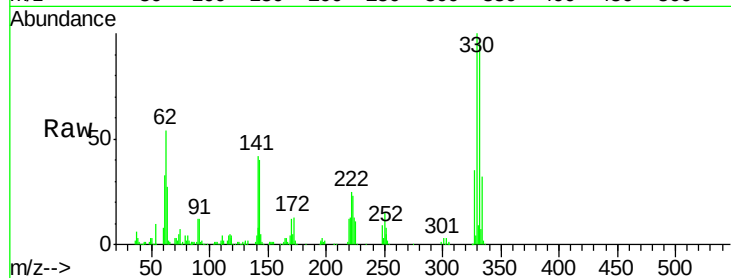




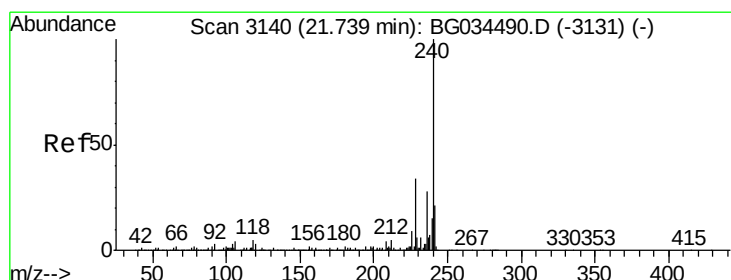
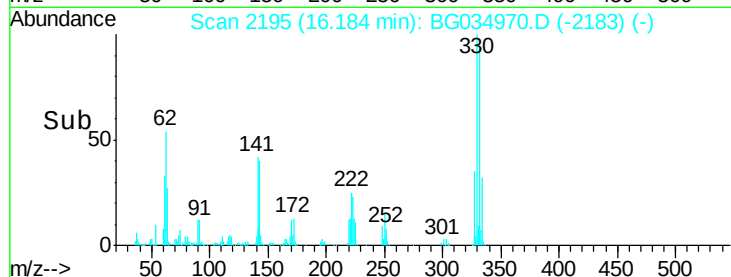
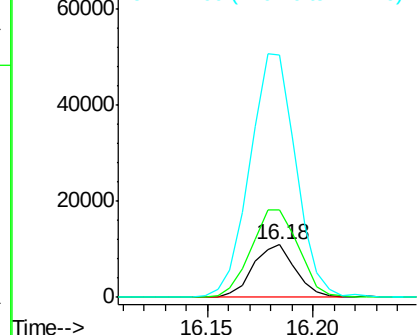
#66
 4-Bromophenyl-phenylether
 Concen: 4.12 ng
 RT: 16.18 min Scan# 2195
 Delta R.T. -0.46 min
 Lab File: BG034970.D
 Acq: 8 Jun 2018 2:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15174
 Ion Ratio Lower Upper
 248 100
 250 167.5 77.1 115.7#
 141 461.3 50.8 76.2#

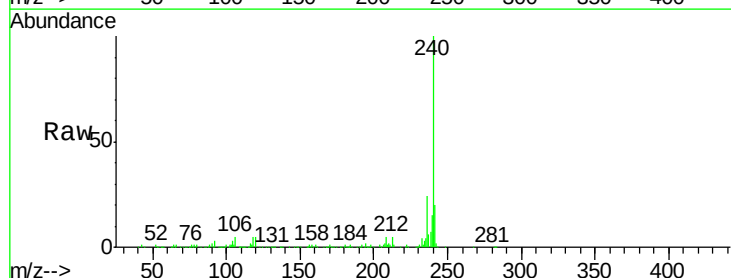


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

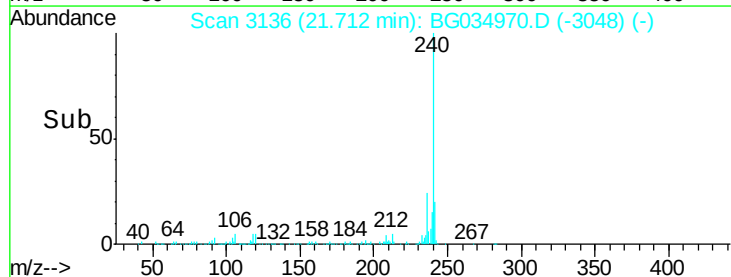
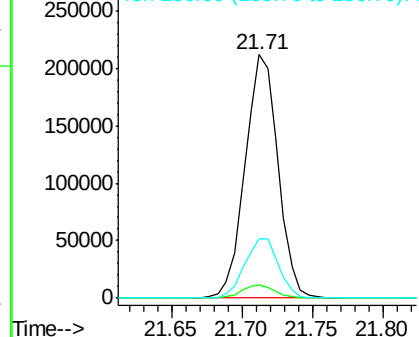


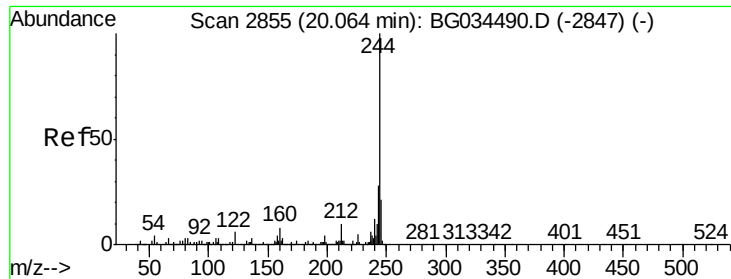
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.71 min Scan# 3136
 Delta R.T. -0.02 min
 Lab File: BG034970.D
 Acq: 8 Jun 2018 2:30

Tgt Ion:240 Resp: 344489
 Ion Ratio Lower Upper
 240 100
 120 5.3 6.8 10.2#
 236 24.1 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: 75.81 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

Instrument :

BNA_G

ClientSampleId :

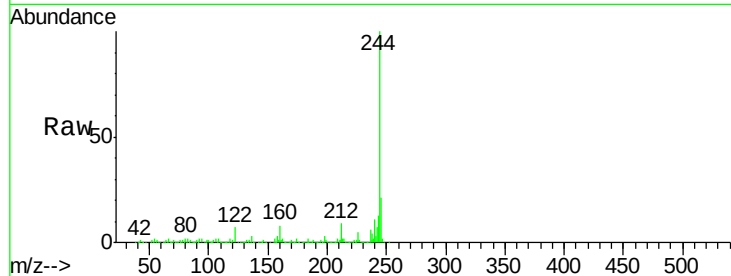
Tot Ion:244 Resp: 1246816

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

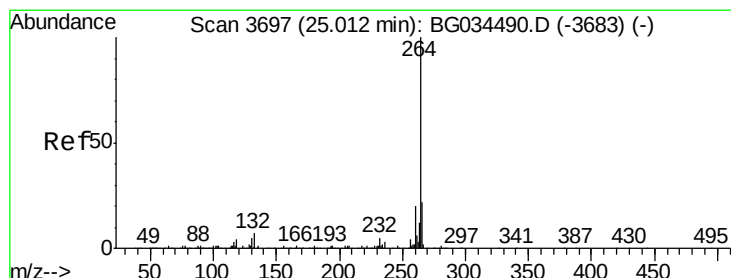
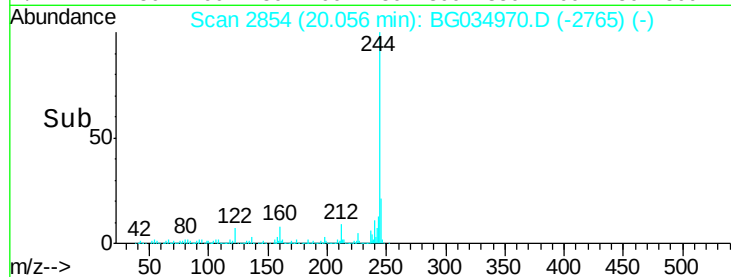
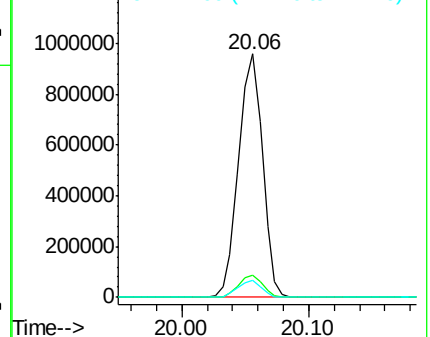
122 7.0 7.0 10.4



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: 20.00 ng

RT: 24.95 min Scan# 3688

Delta R.T. -0.03 min

Lab File: BG034970.D

Acq: 8 Jun 2018 2:30

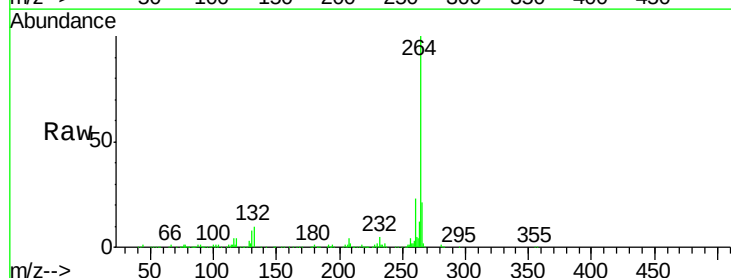
Tgt Ion:264 Resp: 331478

Ion Ratio Lower Upper

264 100

260 23.5 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

