

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061818\
 Data File : BG035214.D
 Acq On : 18 Jun 2018 12:01
 Operator : SJ/JU
 Sample : J3505-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-56-COMP

Quant Time: Jun 18 16:20:39 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

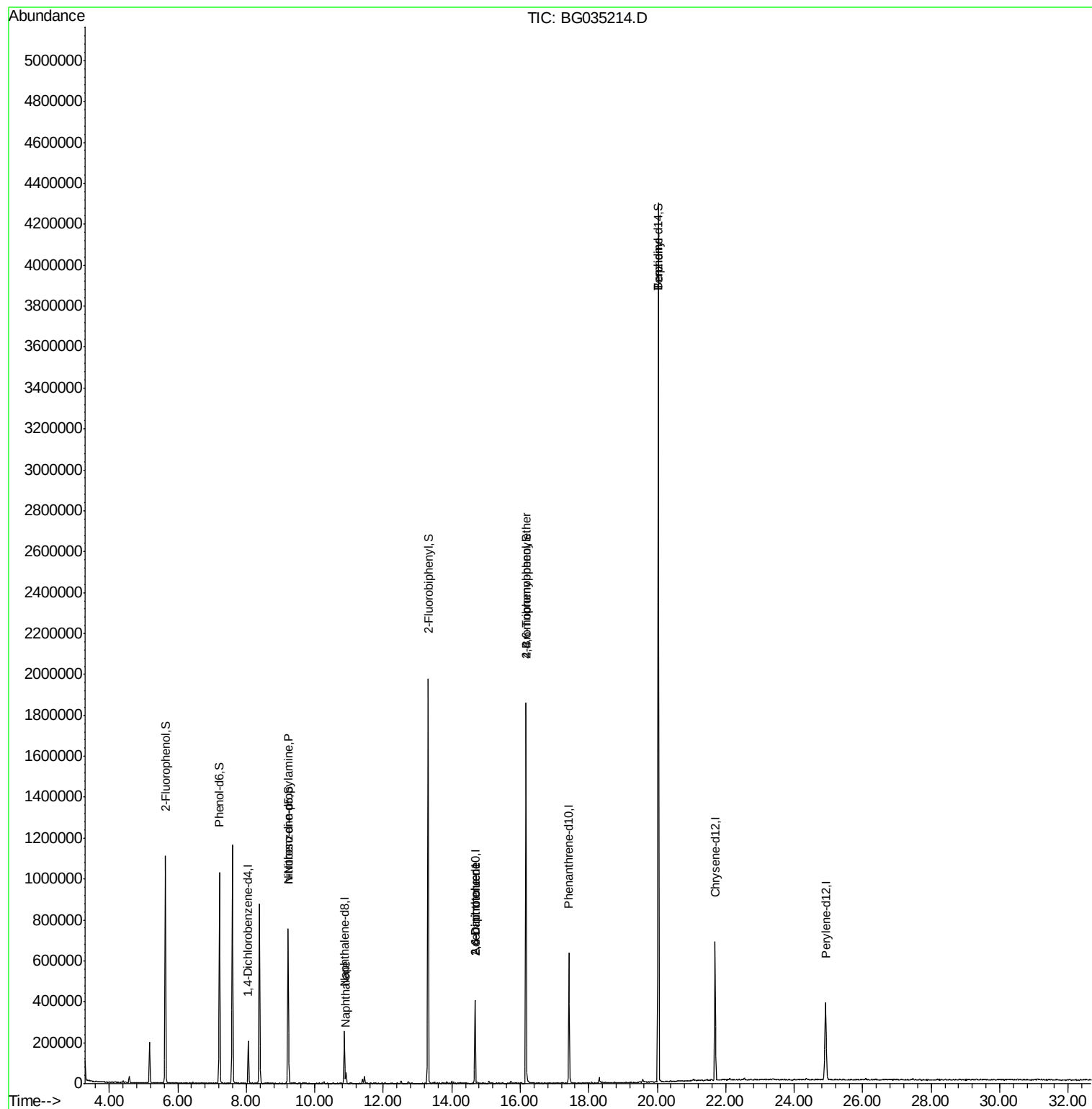
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	58730	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	208201	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	143579	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	411902	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	438237	20.00	ng	-0.03
86) Perylene-d12	24.91	264	433662	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	473500	136.06	ng	0.00
7) Phenol-d6	7.22	99	615962	119.92	ng	0.00
23) Nitrobenzene-d5	9.22	82	496850	113.44	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	349853	190.35	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	1089359	98.63	ng	-0.02
78) Terphenyl-d14	20.03	244	2109375	100.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	65754	15.068	ng	Qvalue # 67
31) Naphthalene	10.91	128	41775	3.862	ng	# 99
50) 2,6-Dinitrotoluene	14.68	165	20154	8.823	ng	# 23
56) 2,4-Dinitrotoluene	14.68	165	20154	6.642	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	27666	5.577	ng	# 1
76) Benzidine	20.04	184	36934	2.265	ng	# 89

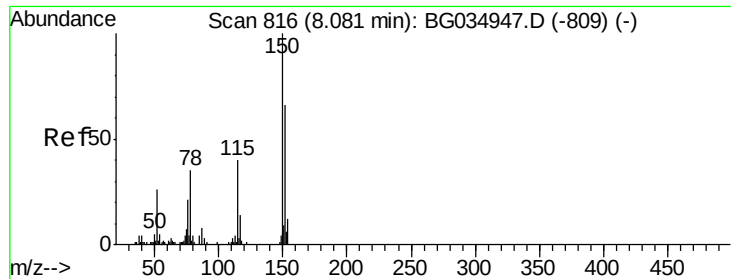
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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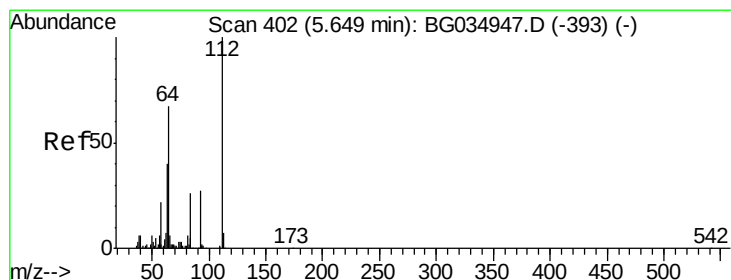
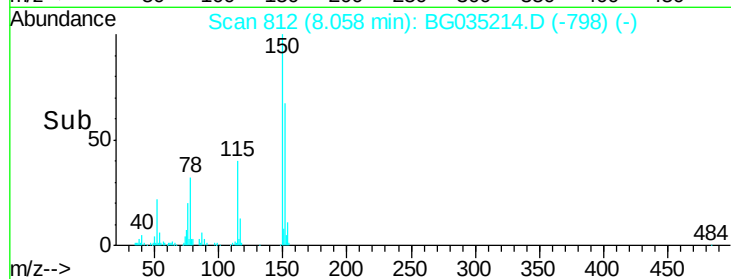
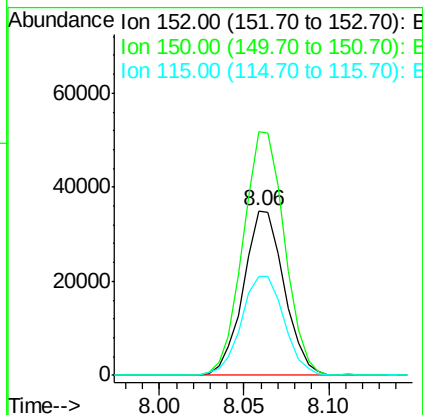
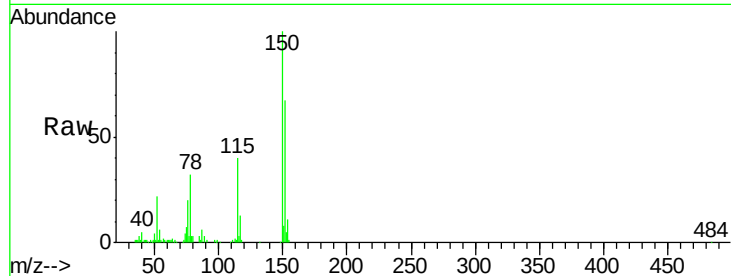


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035214.D
Acq: 18 Jun 2018 12:01

Instrument :
BNA_G
ClientSampleId :
SB-56-COMP

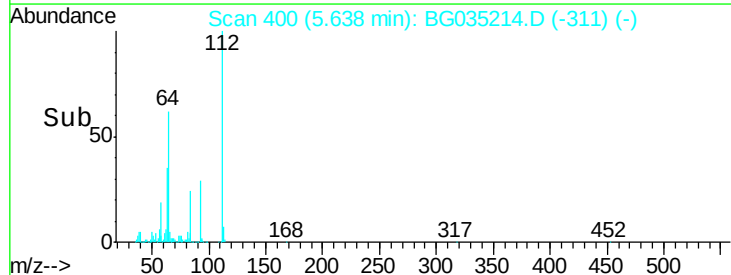
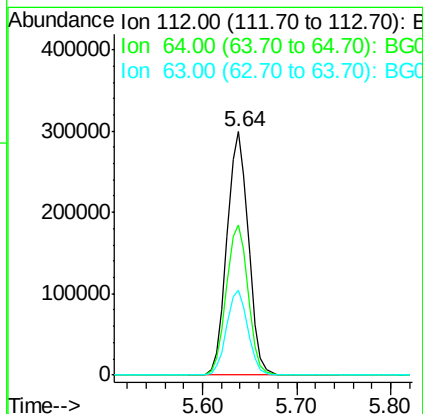
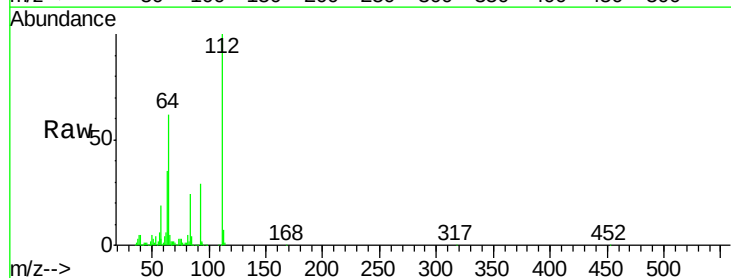
Tgt Ion:152 Resp: 58730
Ion Ratio Lower Upper
152 100
150 148.2 126.6 189.8
115 59.9 53.0 79.4

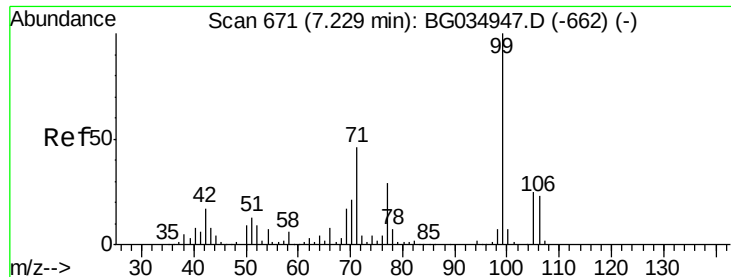


#5

2-Fluorophenol
Concen: 136.060 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035214.D
Acq: 18 Jun 2018 12:01

Tgt Ion:112 Resp: 473500
Ion Ratio Lower Upper
112 100
64 61.9 56.3 84.5
63 34.9 30.1 45.1





#7

Phenol-d6

Concen: 119.921 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035214.D

Acq: 18 Jun 2018 12:01

Instrument :

BNA_G

ClientSampleId :

SB-56-COMP

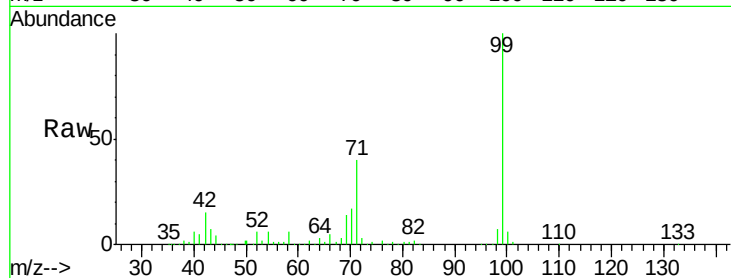
Tgt Ion: 99 Resp: 615962

Ion Ratio Lower Upper

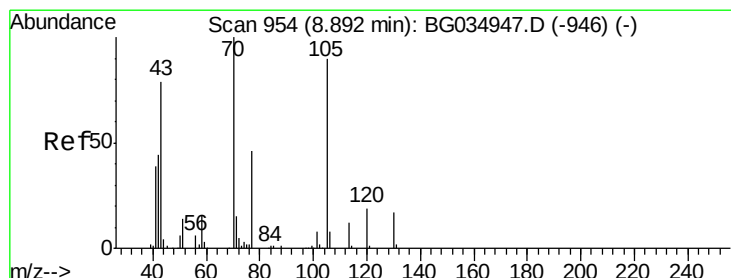
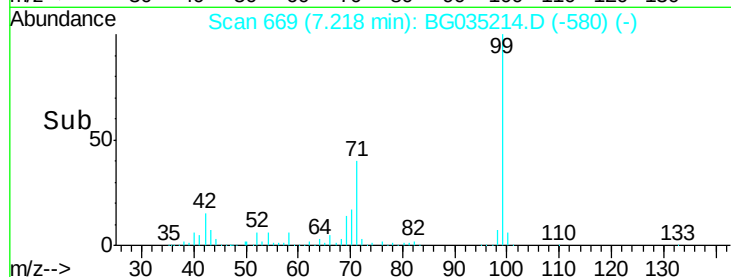
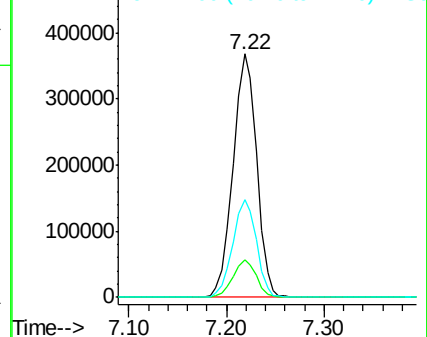
99 100

42 15.3 14.1 21.1

71 40.4 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: 15.068 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035214.D

Acq: 18 Jun 2018 12:01

Tgt Ion: 70 Resp: 65754

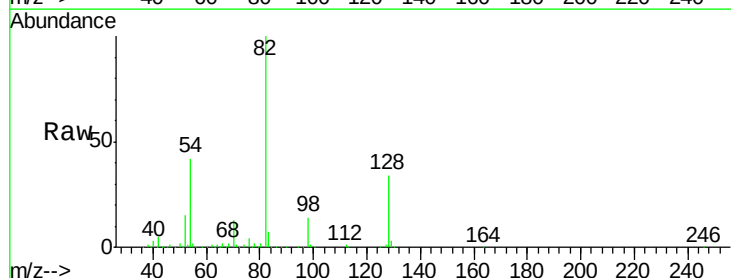
Ion Ratio Lower Upper

70 100

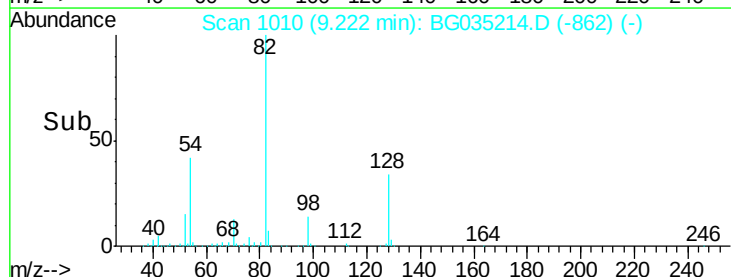
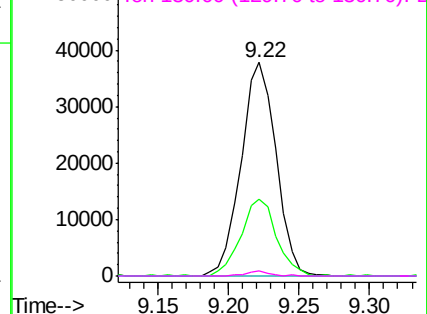
42 36.2 49.1 73.7#

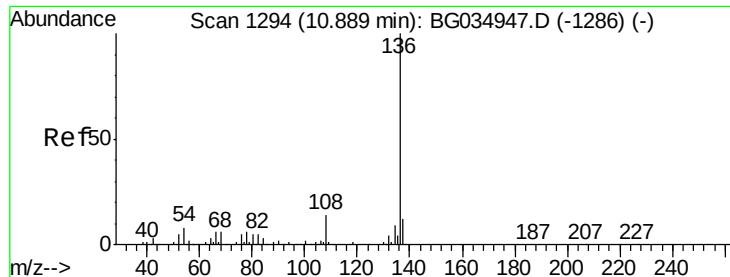
101 0.0 8.5 12.7#

130 2.2 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

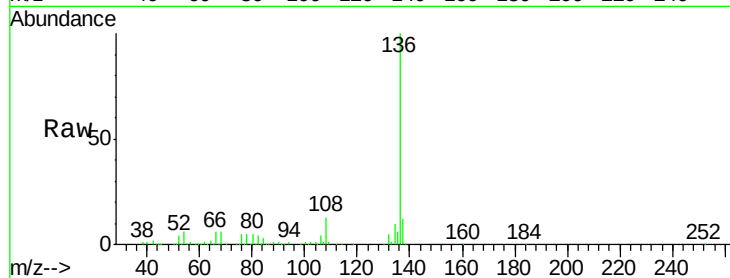




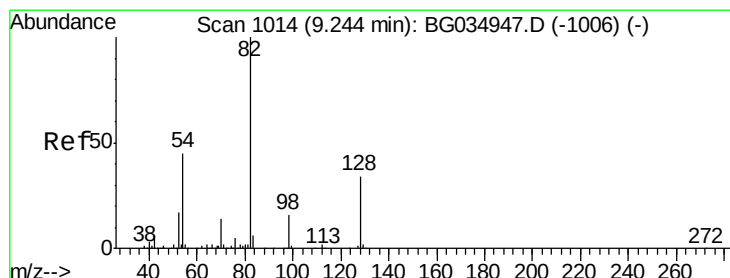
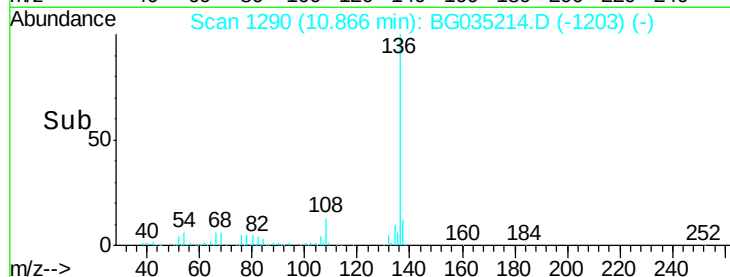
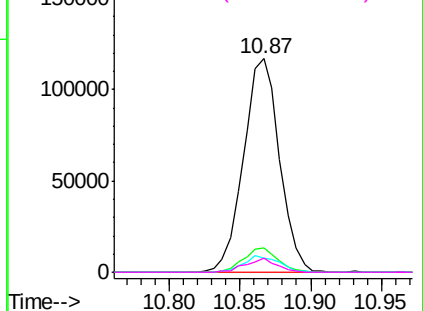
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035214.D
Acq: 18 Jun 2018 12:01

Instrument :
BNA_G
ClientSampleId :
SB-56-COMP

Tgt Ion:	136	Resp:	208201
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	6.3	10.3	15.5#
68	6.4	4.5	6.7

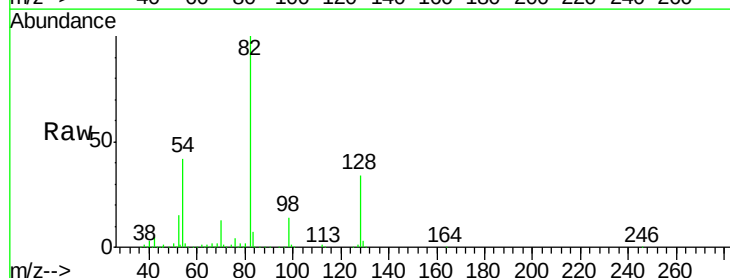


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

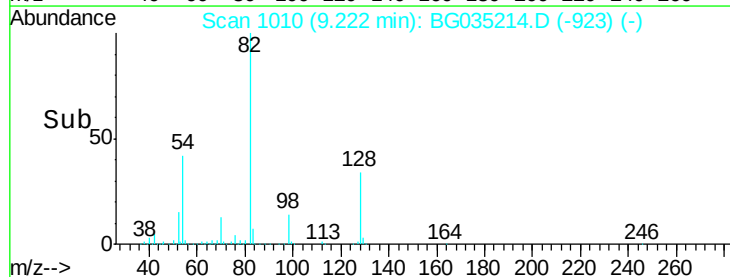
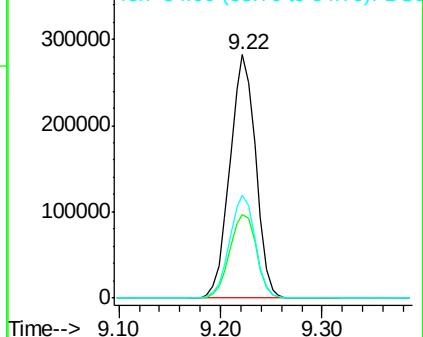


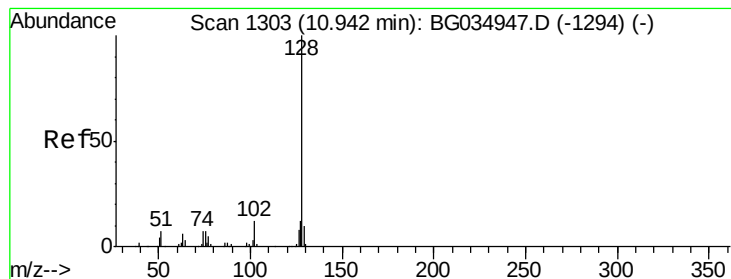
#23
Nitrobenzene-d5
Concen: 113.436 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035214.D
Acq: 18 Jun 2018 12:01

Tgt Ion:	82	Resp:	496850
Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.7	44.5
54	42.3	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#31

Naphthalene

Concen: 3.862 ng

RT: 10.91 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BG035214.D

Acq: 18 Jun 2018 12:01

Instrument :

BNA_G

ClientSampleId :

SB-56-COMP

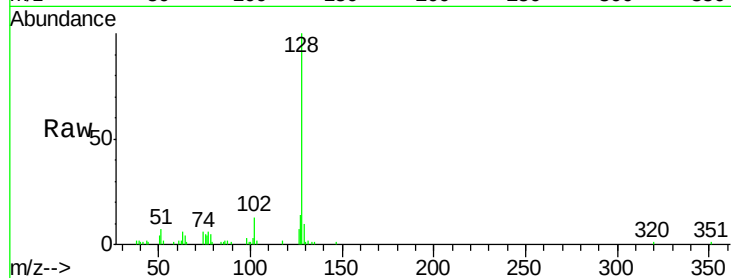
Tgt Ion:128 Resp: 41775

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

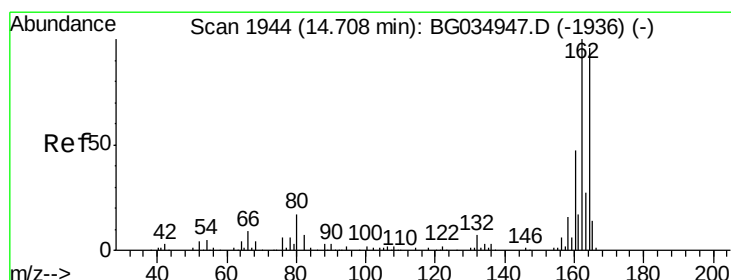
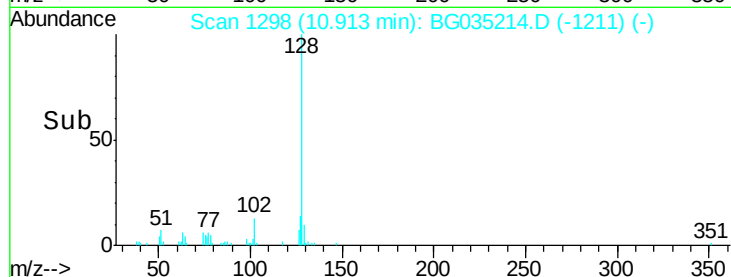
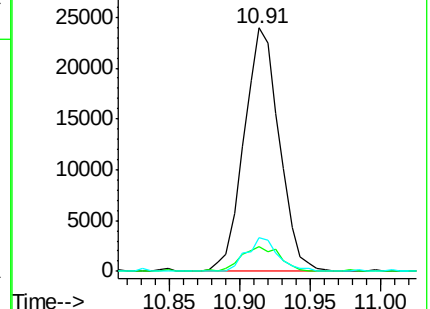
127 14.0 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035214.D

Acq: 18 Jun 2018 12:01

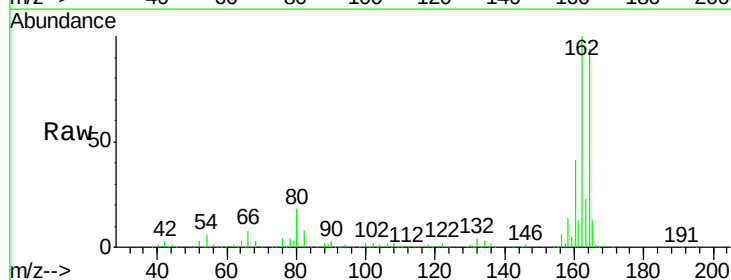
Tgt Ion:164 Resp: 143579

Ion Ratio Lower Upper

164 100

162 106.0 78.8 118.2

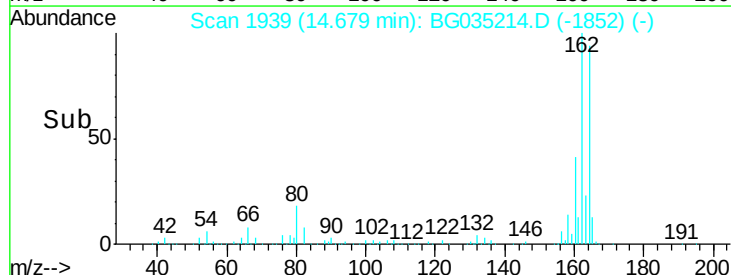
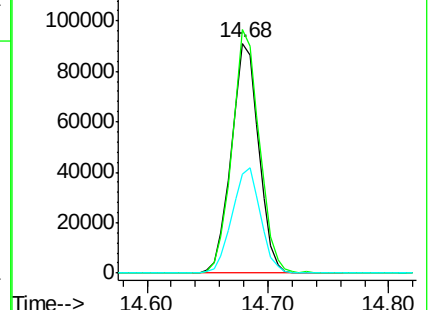
160 43.4 35.4 53.0

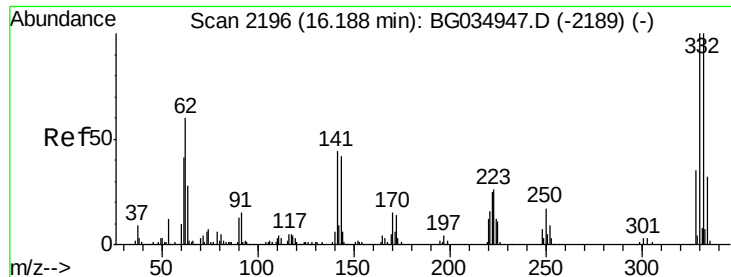


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

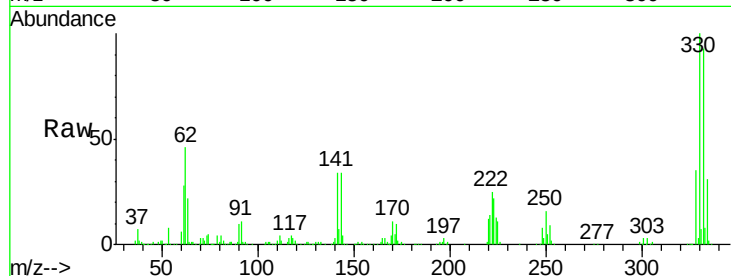




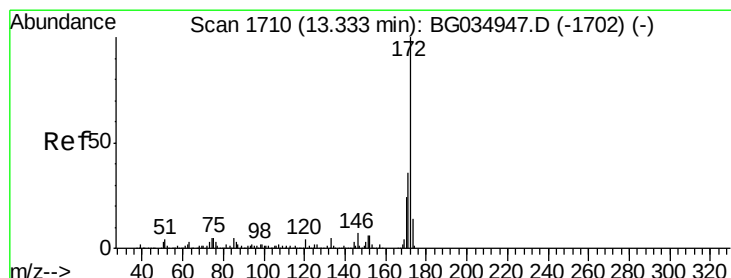
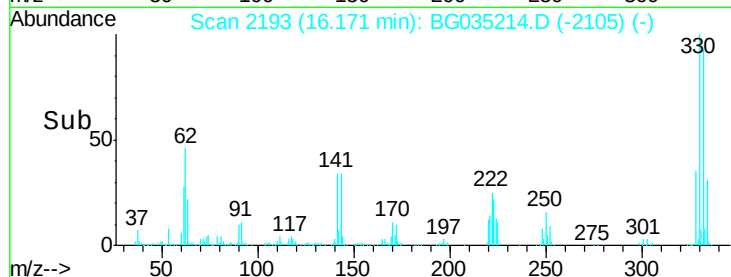
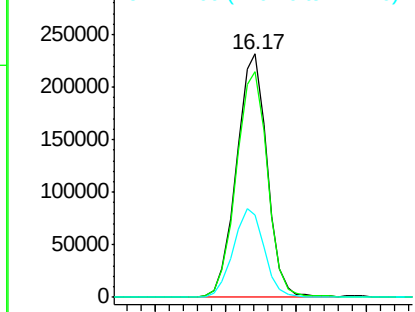
#41
 2,4,6-Tribromophenol
 Concen: 190.345 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG035214.D
 Acq: 18 Jun 2018 12:01

Instrument :
 BNA_G
 ClientSampleId :
 SB-56-COMP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	36.7	25.2	37.8

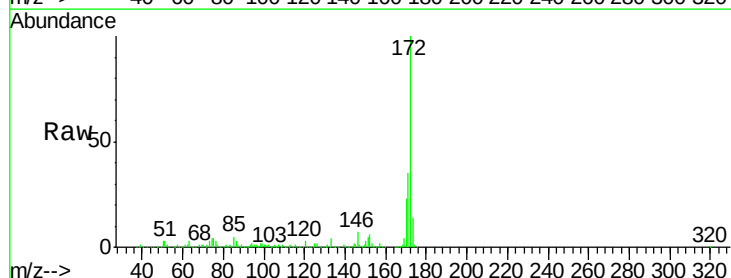


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

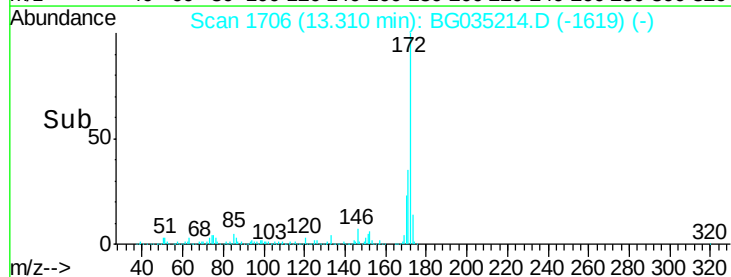
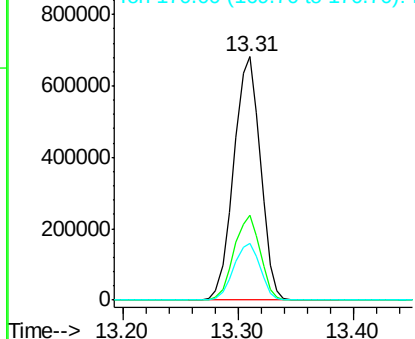


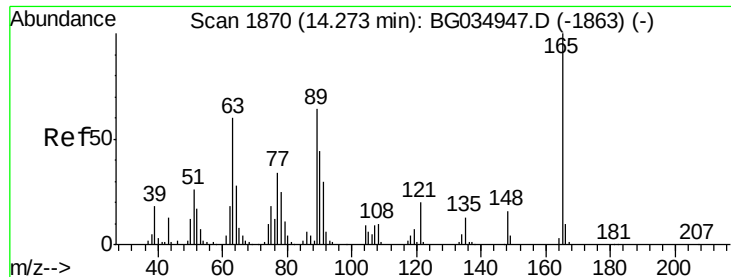
#44
 2-Fluorobiphenyl
 Concen: 98.633 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BG035214.D
 Acq: 18 Jun 2018 12:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.0	45.0
170	23.3	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

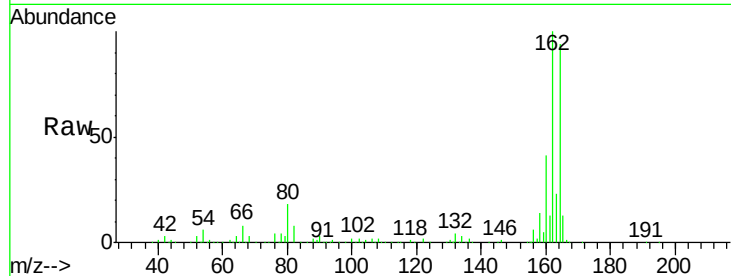




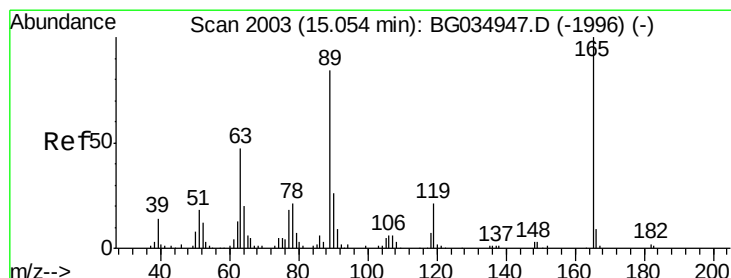
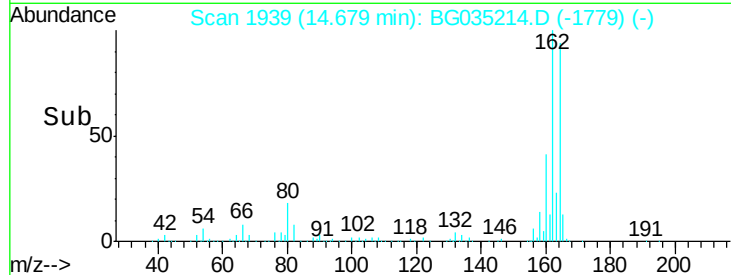
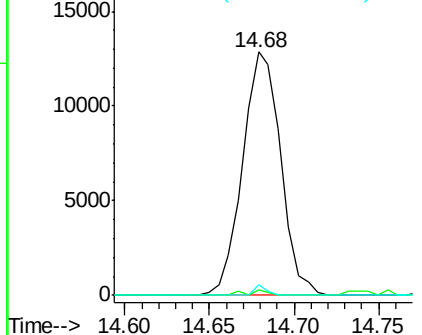
#50
 2,6-Dinitrotoluene
 Concen: 8.823 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035214.D
 Acq: 18 Jun 2018 12:01

Instrument :
 BNA_G
 ClientSampleId :
 SB-56-COMP

Tgt Ion:165 Resp: 20154
 Ion Ratio Lower Upper
 165 100
 63 2.1 52.7 79.1#
 89 4.6 49.2 73.8#

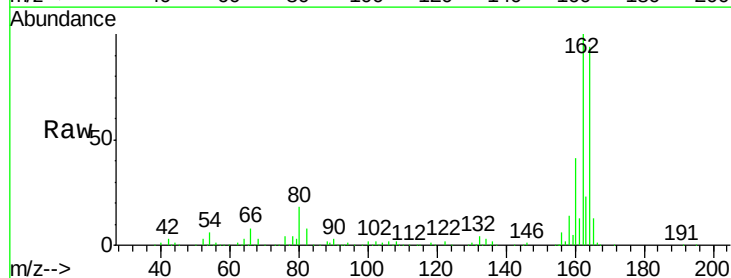


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

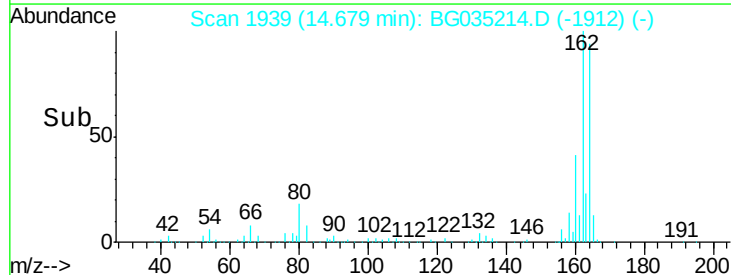
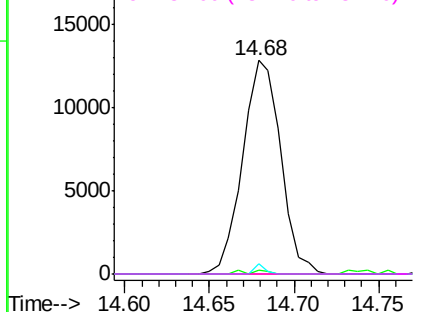


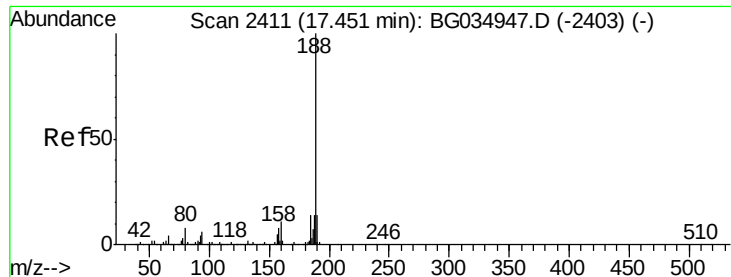
#56
 2,4-Dinitrotoluene
 Concen: 6.642 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035214.D
 Acq: 18 Jun 2018 12:01

Tgt Ion:165 Resp: 20154
 Ion Ratio Lower Upper
 165 100
 63 2.1 42.0 63.0#
 89 4.6 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# 2406

Delta R.T. -0.02 min

Lab File: BG035214.D

Acq: 18 Jun 2018 12:01

Instrument :

BNA_G

ClientSampleId :

SB-56-COMP

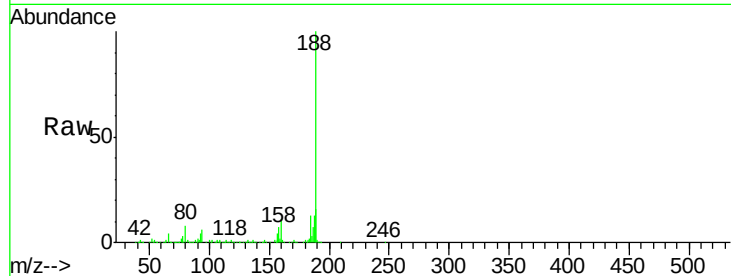
Tgt Ion:188 Resp: 411902

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

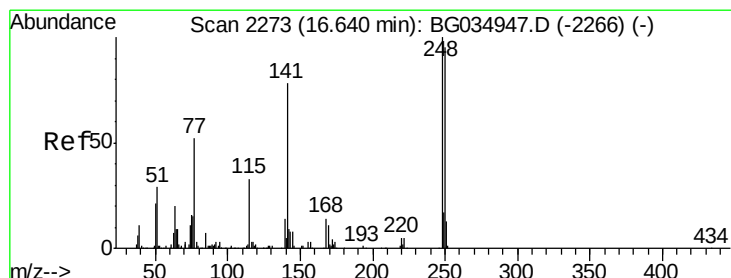
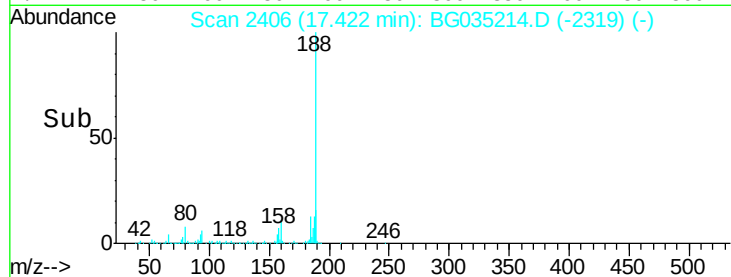
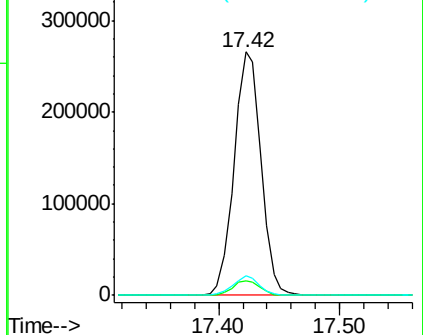
80 8.3 7.7 11.5



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: 5.577 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.47 min

Lab File: BG035214.D

Acq: 18 Jun 2018 12:01

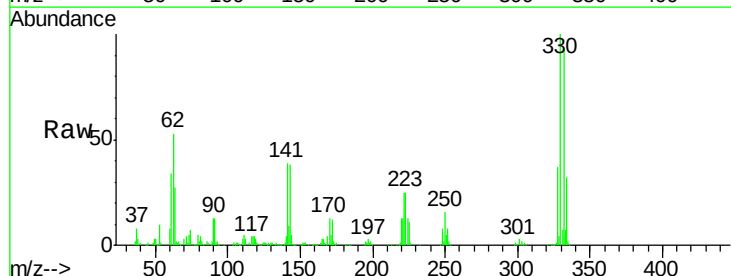
Tgt Ion:248 Resp: 27666

Ion Ratio Lower Upper

248 100

250 192.6 77.1 115.7#

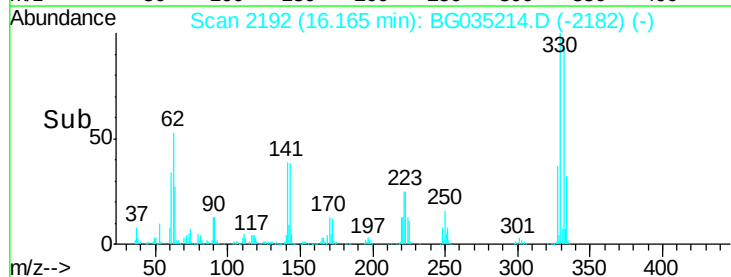
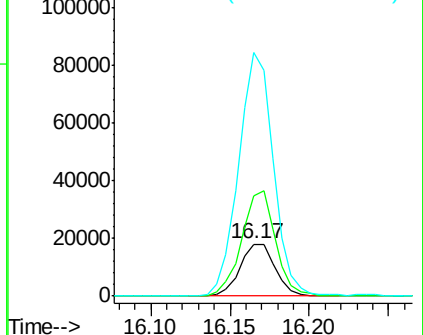
141 468.0 50.8 76.2#

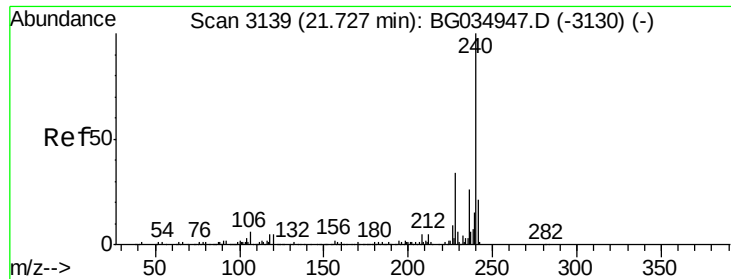


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

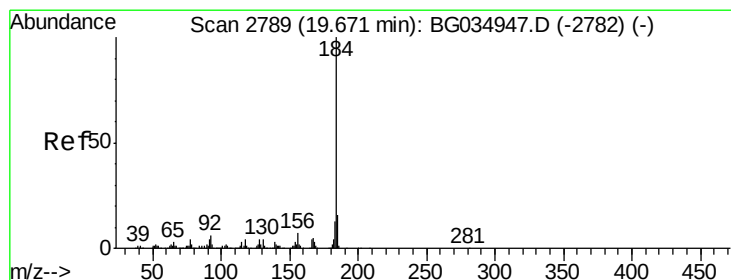
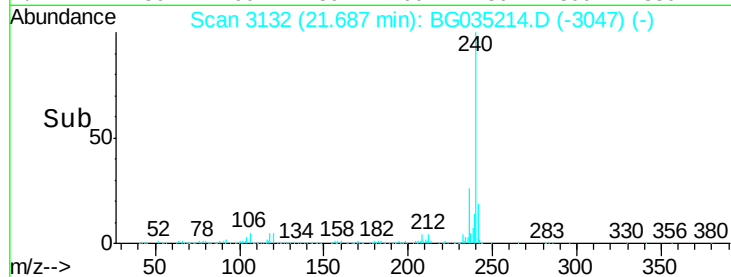
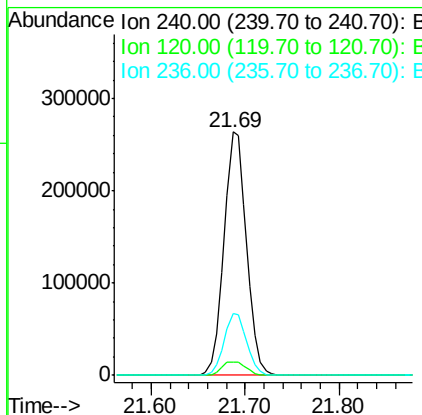
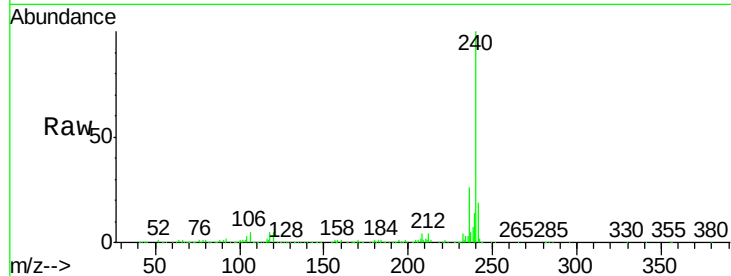




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.03 min
Lab File: BG035214.D
Acq: 18 Jun 2018 12:01

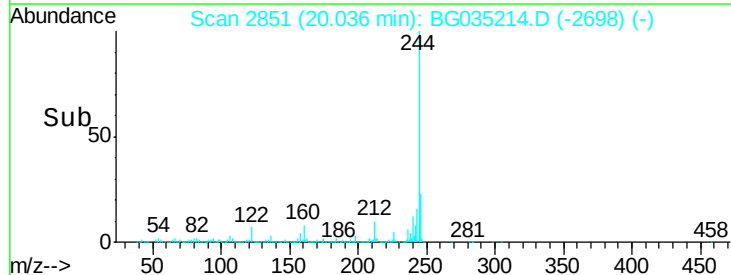
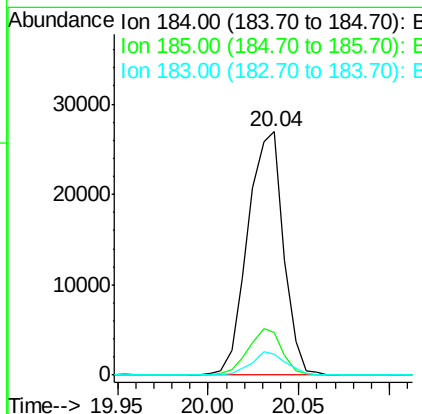
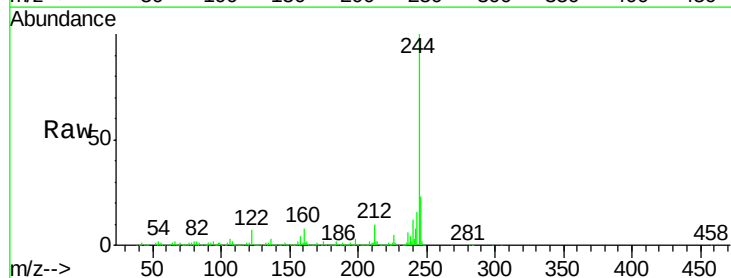
Instrument :
BNA_G
ClientSampleId :
SB-56-COMP

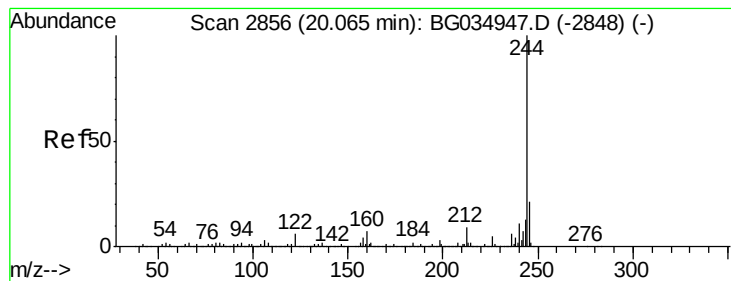
Tgt Ion:240 Resp: 438237
Ion Ratio Lower Upper
240 100
120 5.5 6.8 10.2#
236 25.6 20.9 31.3



#76
Benzidine
Concen: 2.265 ng
RT: 20.04 min Scan# 2851
Delta R.T. 0.37 min
Lab File: BG035214.D
Acq: 18 Jun 2018 12:01

Tgt Ion:184 Resp: 36934
Ion Ratio Lower Upper
184 100
185 17.5 11.1 16.7#
183 8.3 10.6 16.0#





#78

Terphenyl-d14

Concen: 100.823 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035214.D

Acq: 18 Jun 2018 12:01

Instrument :

BNA_G

ClientSampleId :

SB-56-COMP

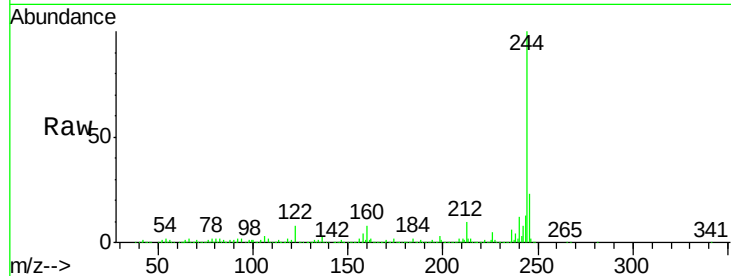
Tgt Ion:244 Resp: 2109375

Ion Ratio Lower Upper

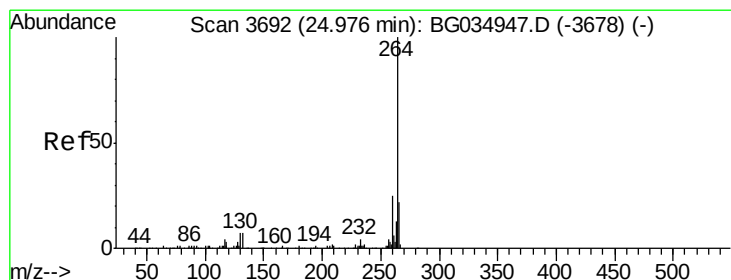
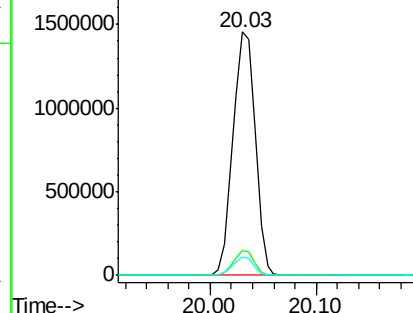
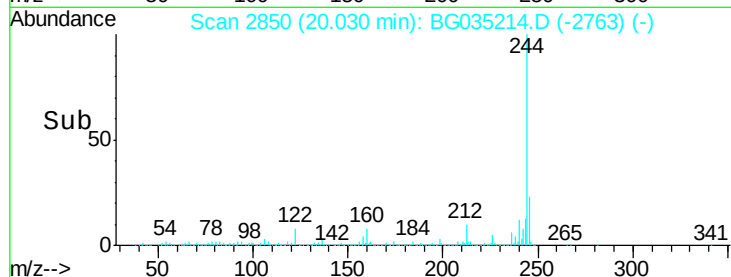
244 100

212 9.9 5.8 8.8#

122 7.5 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E
2000000
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# 3681

Delta R.T. -0.04 min

Lab File: BG035214.D

Acq: 18 Jun 2018 12:01

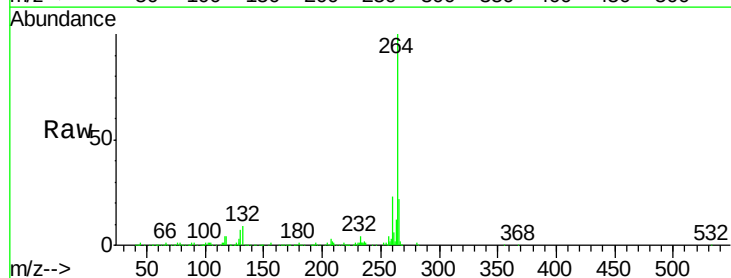
Tgt Ion:264 Resp: 433662

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 21.7 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
200000
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

