

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061818\
 Data File : BG035221.D
 Acq On : 18 Jun 2018 16:34
 Operator : SJ/JU
 Sample : J3464-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-41-COMP

Quant Time: Jun 18 17:18:30 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

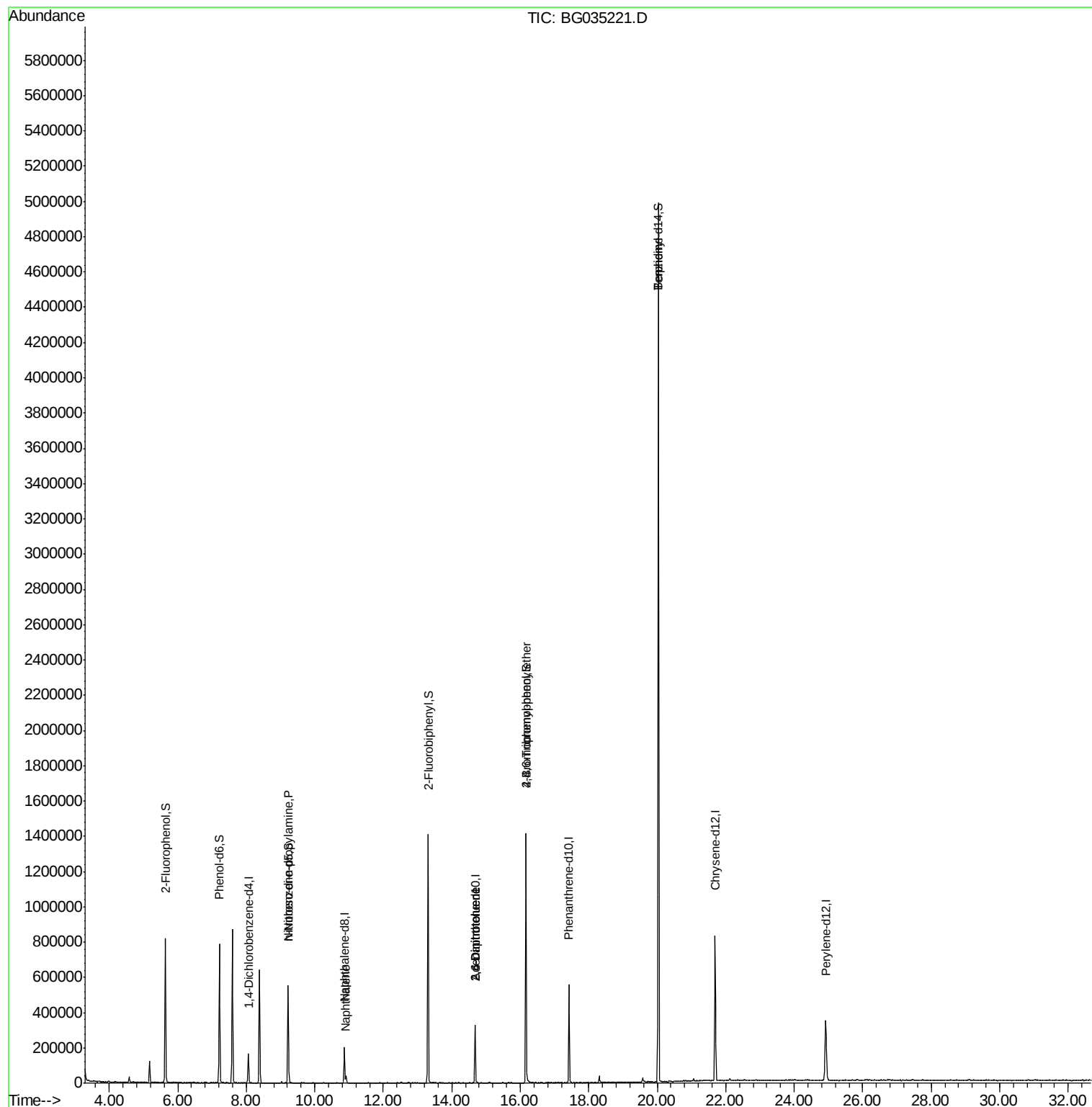
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	48183	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	168005	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	115864	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	360610	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	510908	20.00	ng	-0.02
86) Perylene-d12	24.92	264	363650	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	360117	126.13	ng	0.00
7) Phenol-d6	7.22	99	474716	112.65	ng	0.00
23) Nitrobenzene-d5	9.22	82	361531	102.29	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	268135	180.78	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	779285	87.44	ng	-0.02
78) Terphenyl-d14	20.04	244	2252629	92.36	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	49310	13.773	ng	# 67
31) Naphthalene	10.91	128	30840	3.534	ng	# 90
50) 2,6-Dinitrotoluene	14.68	165	14795	8.027	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	14795	6.042	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	21678	4.992	ng	# 1
76) Benzidine	20.04	184	42599	2.241	ng	# 95

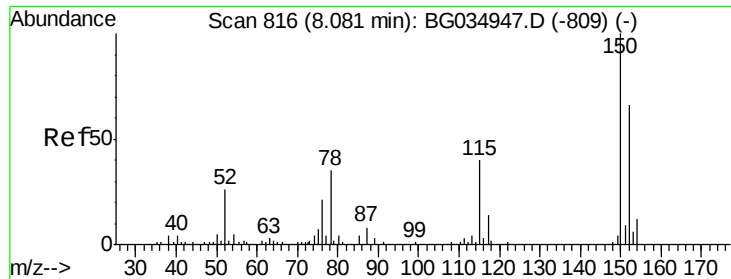
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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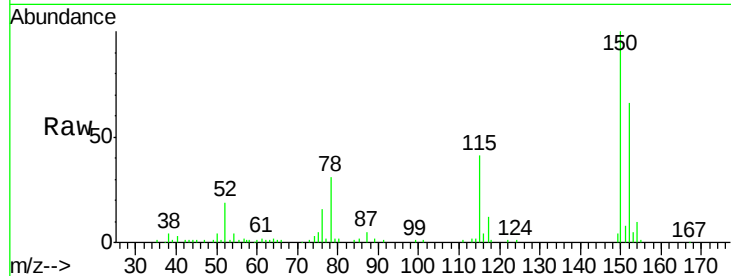


#1

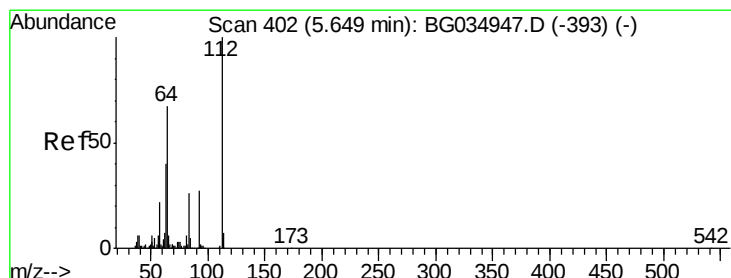
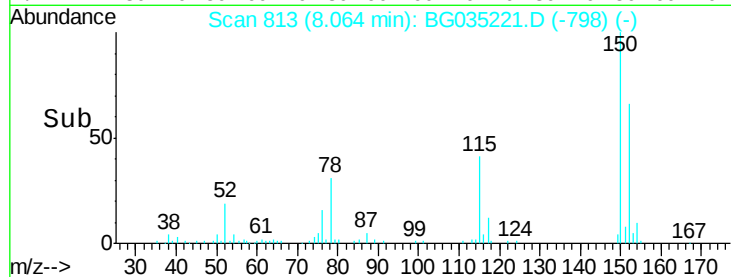
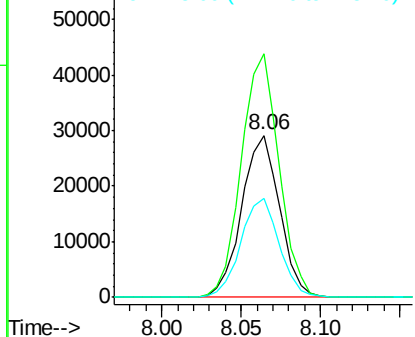
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035221.D
Acq: 18 Jun 2018 16:34

Instrument :
BNA_G
ClientSampleId :
SB-41-COMP

Tgt Ion:152 Resp: 48183
Ion Ratio Lower Upper
152 100
150 150.5 126.6 189.8
115 61.3 53.0 79.4



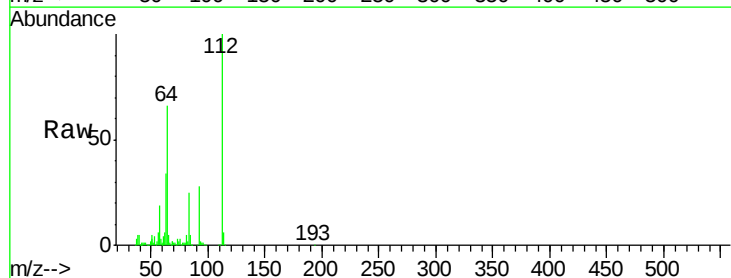
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



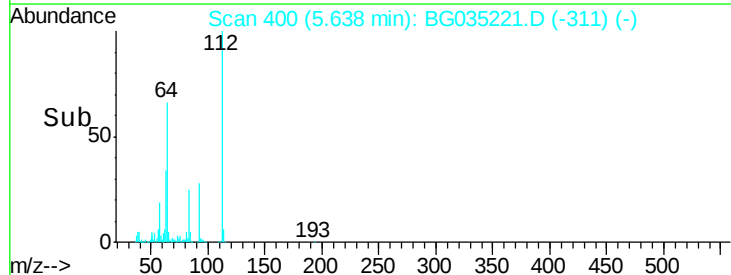
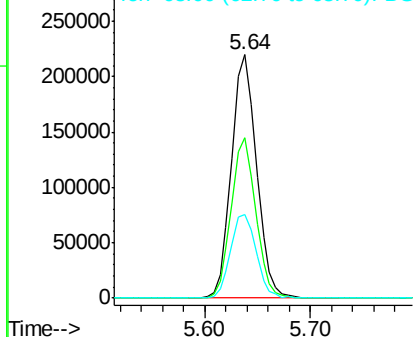
#5

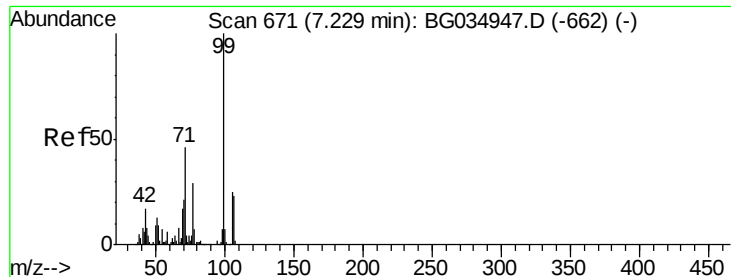
2-Fluorophenol
Concen: 126.131 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035221.D
Acq: 18 Jun 2018 16:34

Tgt Ion:112 Resp: 360117
Ion Ratio Lower Upper
112 100
64 65.6 56.3 84.5
63 34.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 112.653 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035221.D

Acq: 18 Jun 2018 16:34

Instrument :

BNA_G

ClientSampleId :

SB-41-COMP

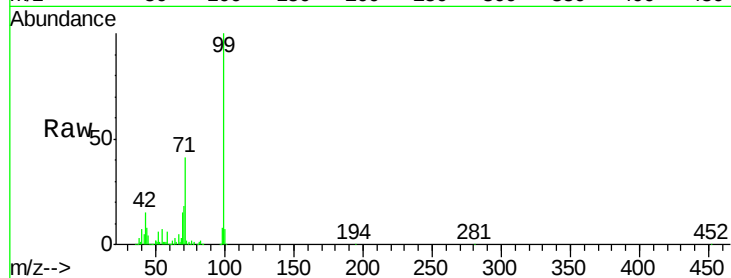
Tgt Ion: 99 Resp: 474716

Ion Ratio Lower Upper

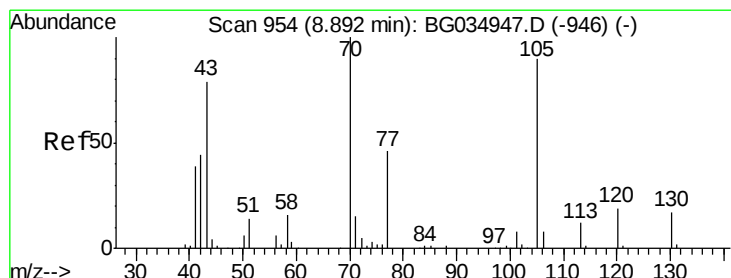
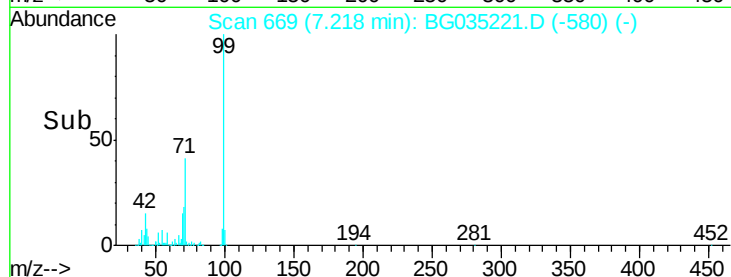
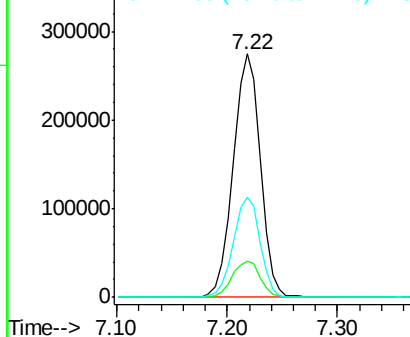
99 100

42 15.1 14.1 21.1

71 41.4 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: 13.773 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035221.D

Acq: 18 Jun 2018 16:34

Tgt Ion: 70 Resp: 49310

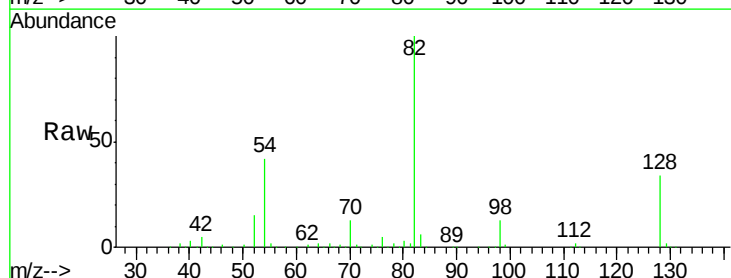
Ion Ratio Lower Upper

70 100

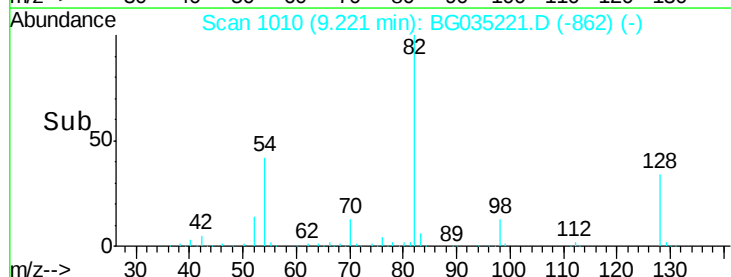
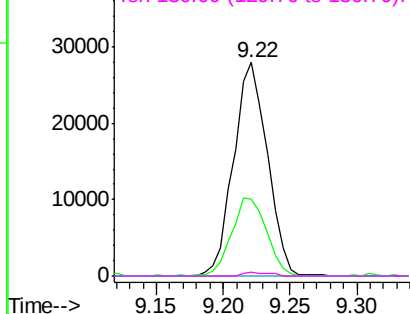
42 36.1 49.1 73.7#

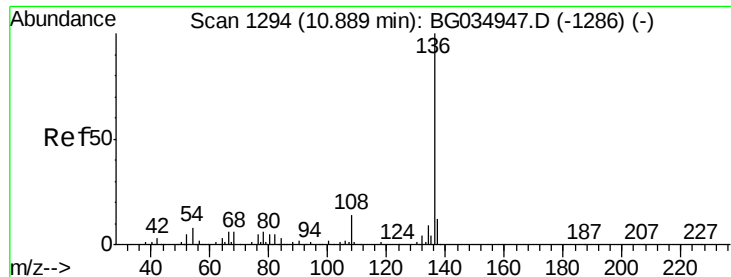
101 0.0 8.5 12.7#

130 2.1 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

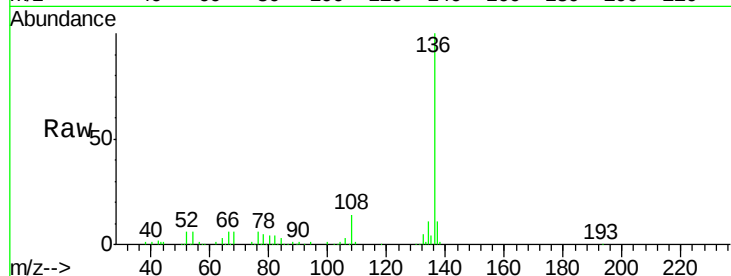




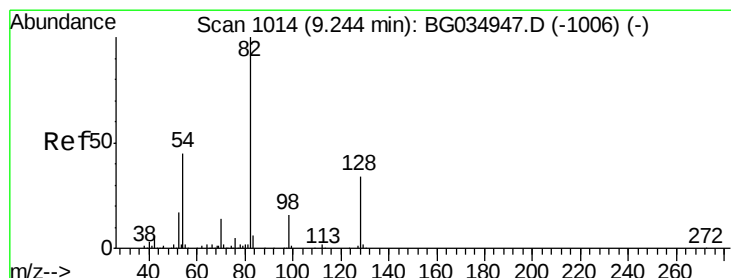
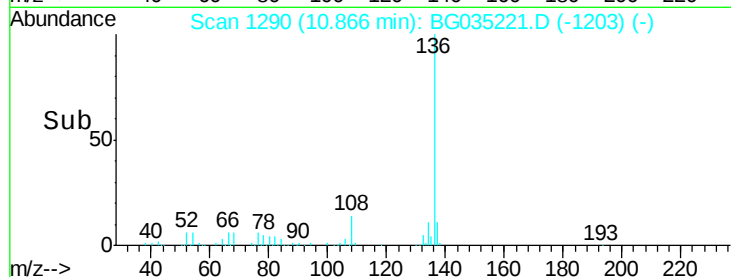
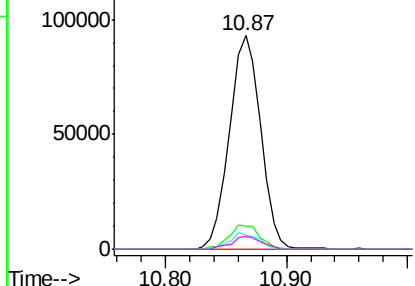
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035221.D
Acq: 18 Jun 2018 16:34

Instrument :
BNA_G
ClientSampleId :
SB-41-COMP

Tgt Ion:	136	Resp:	168005
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.4	10.3	15.5#
68	5.9	4.5	6.7

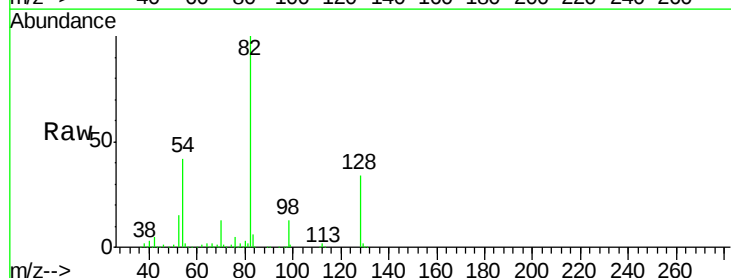


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

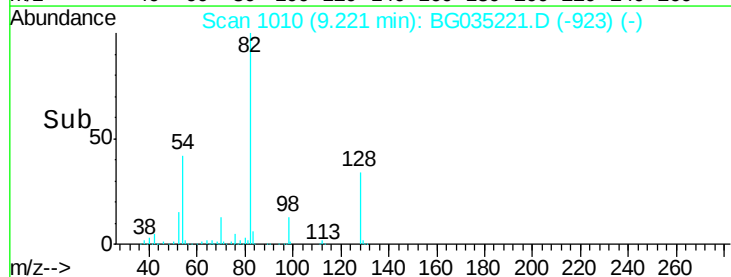
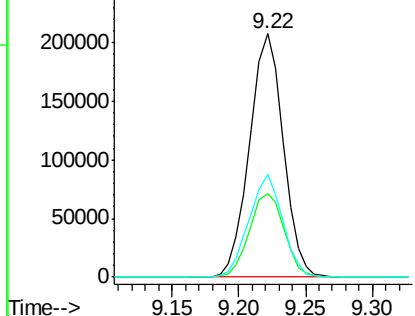


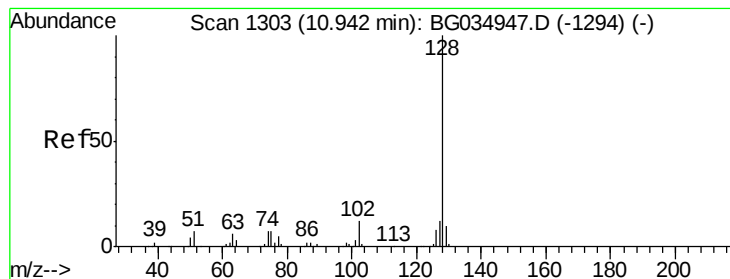
#23
Nitrobenzene-d5
Concen: 102.289 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035221.D
Acq: 18 Jun 2018 16:34

Tgt Ion:	82	Resp:	361531
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): E
Ion 54.00 (53.70 to 54.70): BGC





#31

Naphthalene

Concen: 3.534 ng

RT: 10.91 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BG035221.D

Acq: 18 Jun 2018 16:34

Instrument :

BNA_G

ClientSampleId :

SB-41-COMP

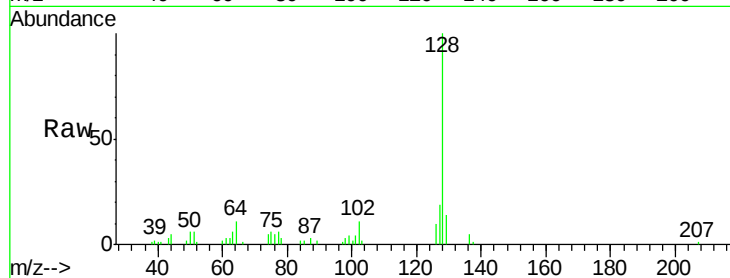
Tgt Ion:128 Resp: 30840

Ion Ratio Lower Upper

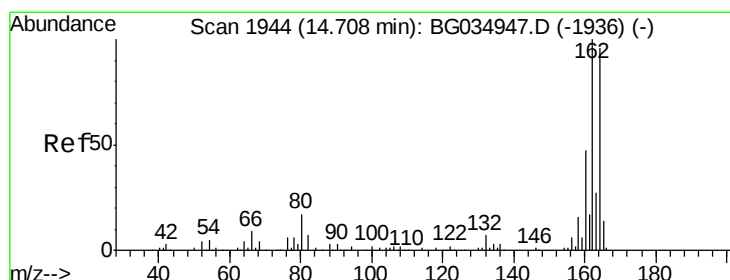
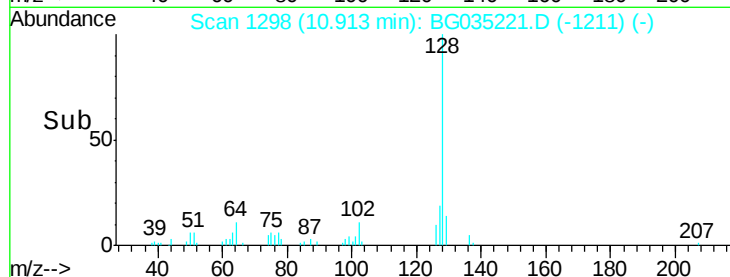
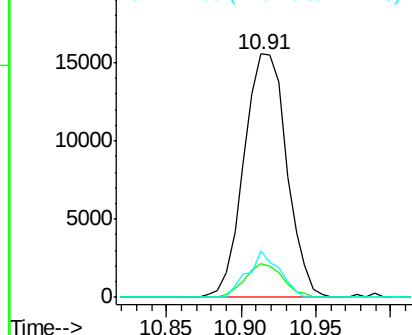
128 100

129 14.0 8.6 12.8#

127 18.9 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# 1940

Delta R.T. -0.01 min

Lab File: BG035221.D

Acq: 18 Jun 2018 16:34

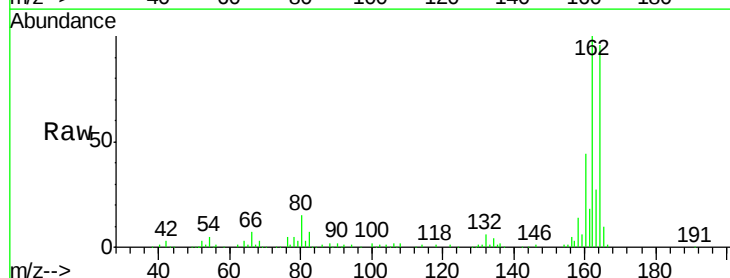
Tgt Ion:164 Resp: 115864

Ion Ratio Lower Upper

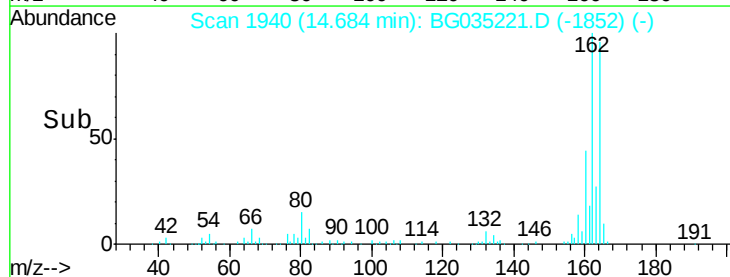
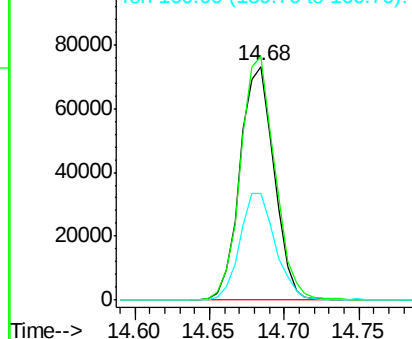
164 100

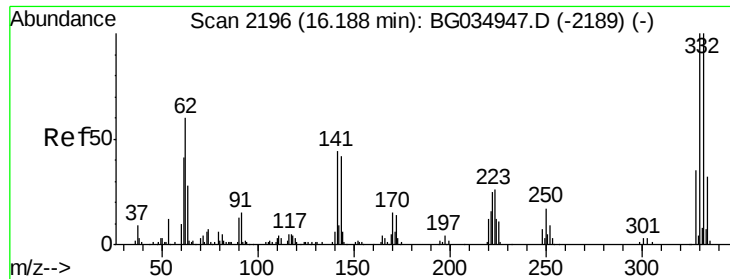
162 104.1 78.8 118.2

160 45.5 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

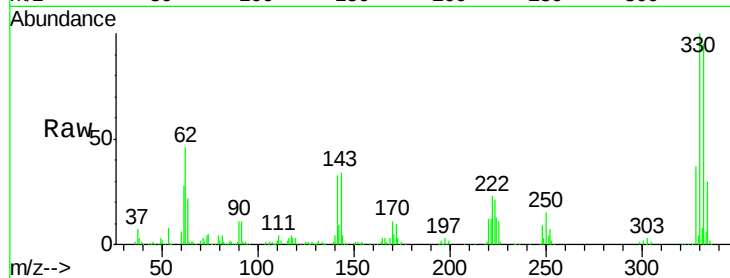




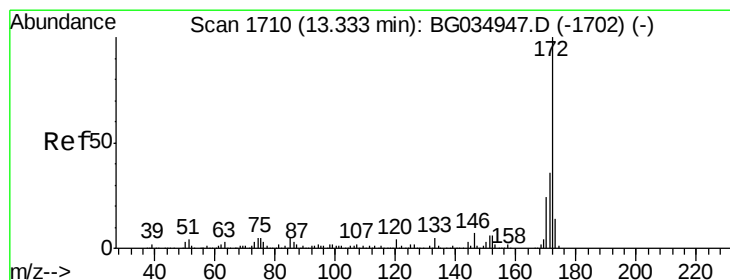
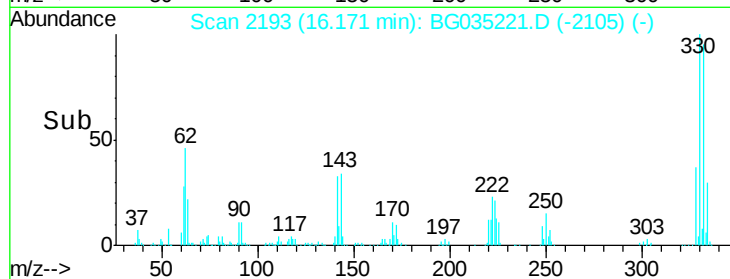
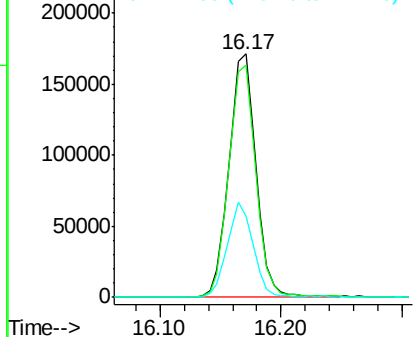
#41
 2,4,6-Tribromophenol
 Concen: 180.781 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG035221.D
 Acq: 18 Jun 2018 16:34

Instrument :
 BNA_G
 ClientSampleId :
 SB-41-COMP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	37.0	25.2	37.8

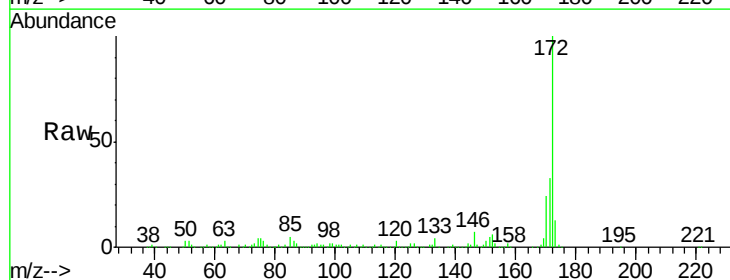


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

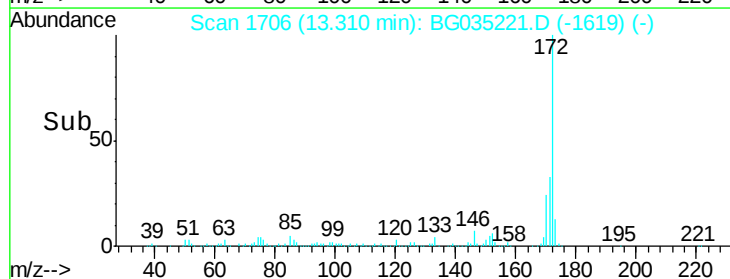
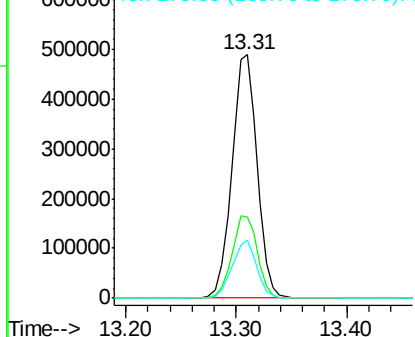


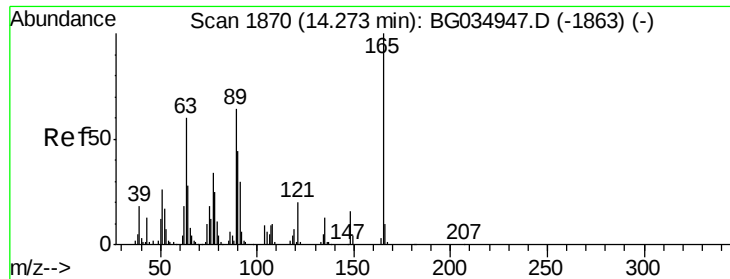
#44
 2-Fluorobiphenyl
 Concen: 87.436 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BG035221.D
 Acq: 18 Jun 2018 16:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	30.0	45.0
170	23.9	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

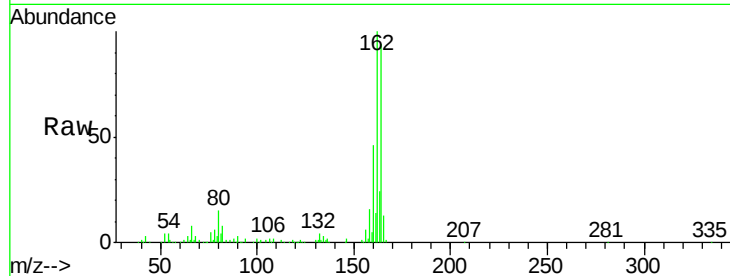




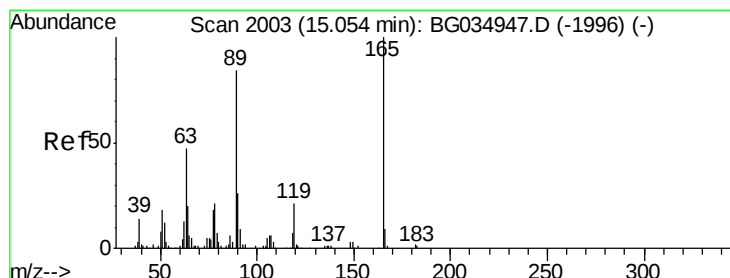
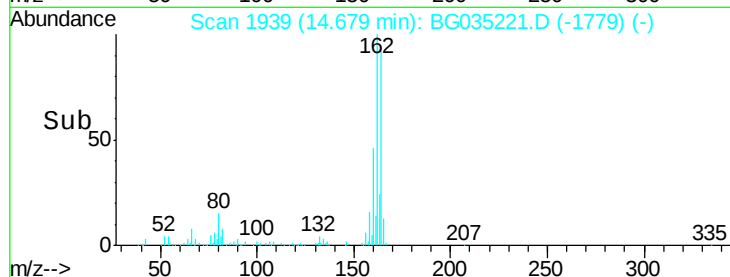
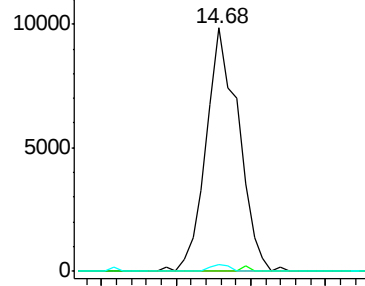
#50
 2,6-Dinitrotoluene
 Concen: 8.027 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035221.D
 Acq: 18 Jun 2018 16:34

Instrument :
 BNA_G
 ClientSampleId :
 SB-41-COMP

Tgt Ion:165 Resp: 14795
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.6 49.2 73.8#

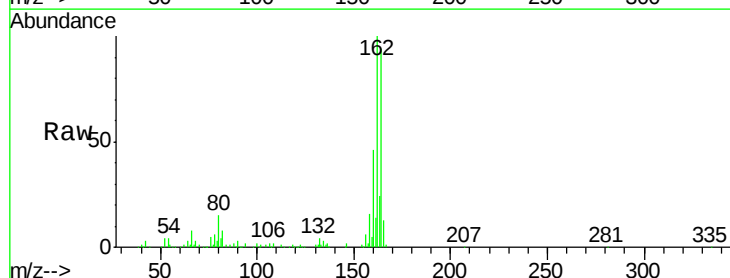


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

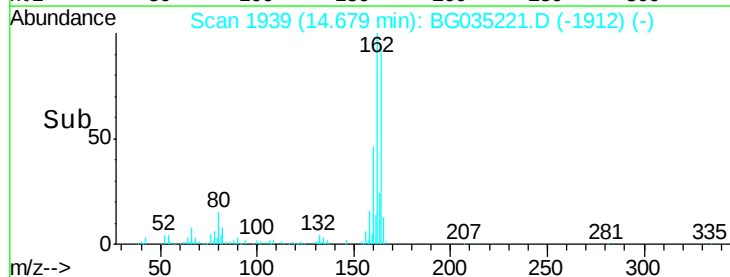
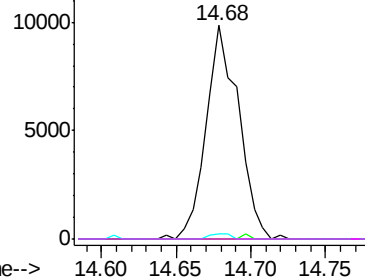


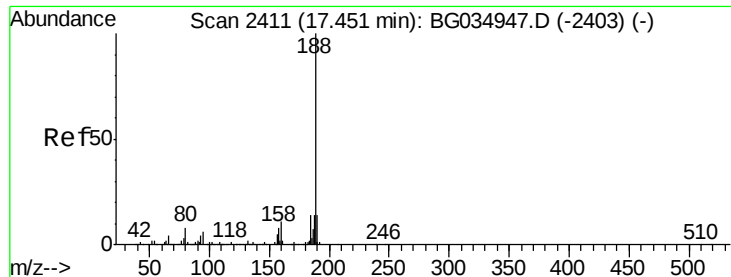
#56
 2,4-Dinitrotoluene
 Concen: 6.042 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035221.D
 Acq: 18 Jun 2018 16:34

Tgt Ion:165 Resp: 14795
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.6 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: BG035221.D

Acq: 18 Jun 2018 16:34

Instrument :

BNA_G

ClientSampleId :

SB-41-COMP

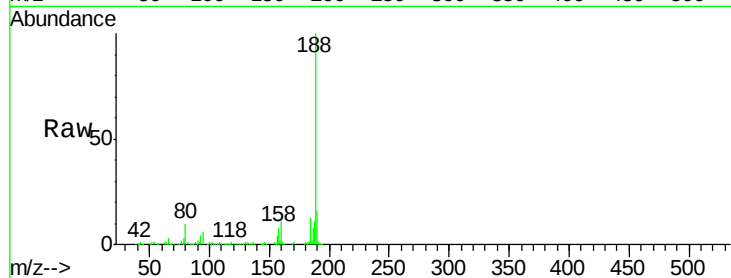
Tgt Ion:188 Resp: 360610

Ion Ratio Lower Upper

188 100

94 5.9 6.9 10.3#

80 9.6 7.7 11.5

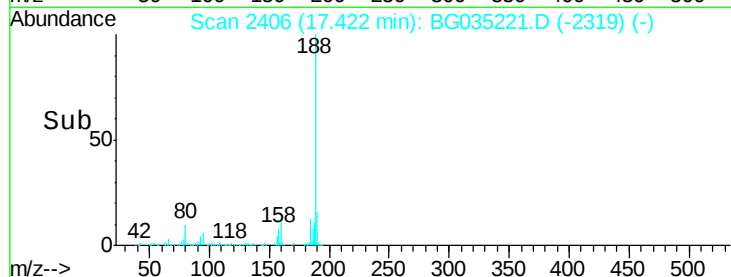


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.30 17.40 17.50

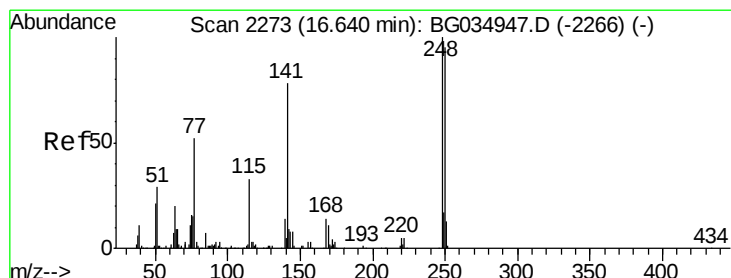


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.30 17.40 17.50



#66

4-Bromophenyl-phenylether

Concen: 4.992 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG035221.D

Acq: 18 Jun 2018 16:34

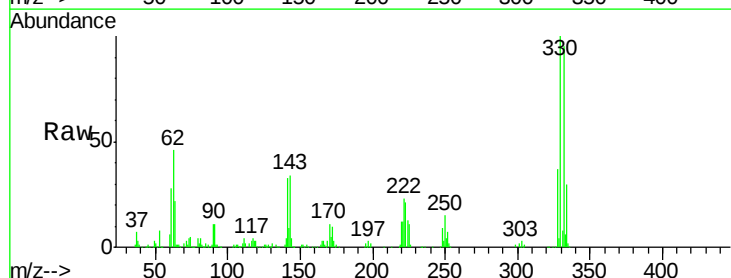
Tgt Ion:248 Resp: 21678

Ion Ratio Lower Upper

248 100

250 178.8 77.1 115.7#

141 392.2 50.8 76.2#

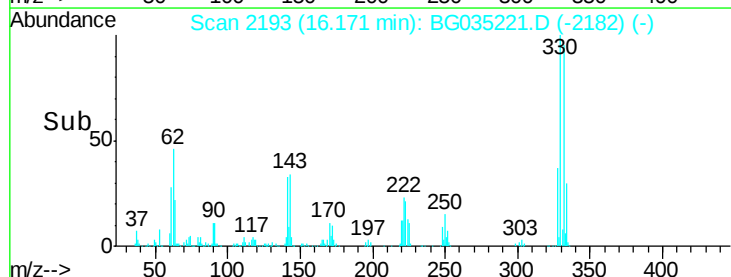


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time--> 16.10 16.15 16.20 16.25

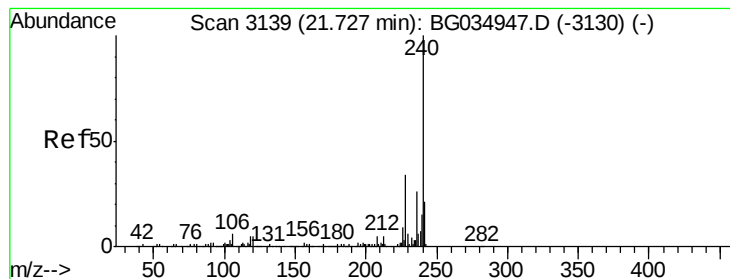


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time--> 16.10 16.15 16.20 16.25



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG035221.D

Acq: 18 Jun 2018 16:34

Instrument :

BNA_G

ClientSampleId :

SB-41-COMP

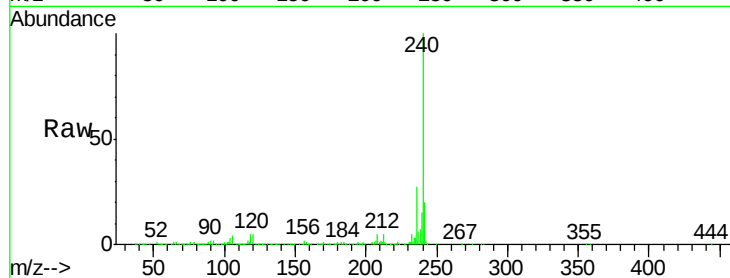
Tgt Ion:240 Resp: 510908

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

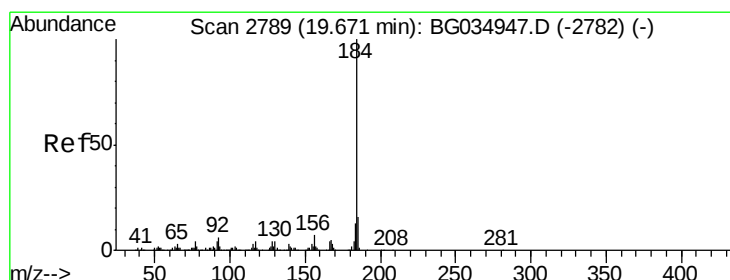
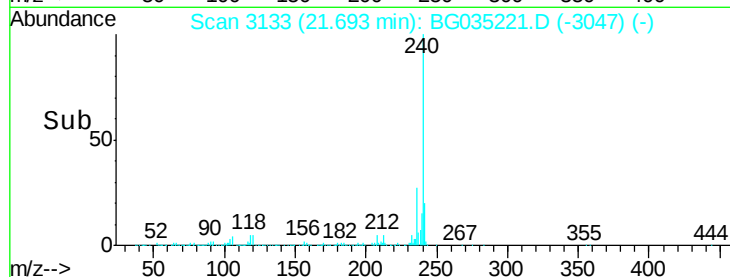
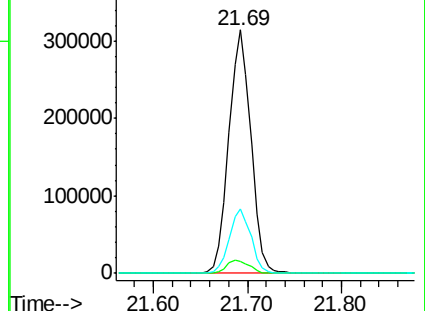
236 26.6 20.9 31.3



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: 2.241 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG035221.D

Acq: 18 Jun 2018 16:34

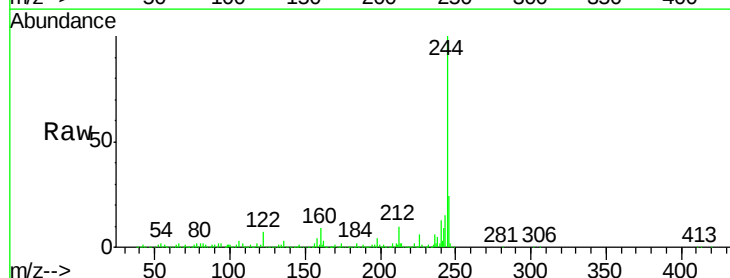
Tgt Ion:184 Resp: 42599

Ion Ratio Lower Upper

184 100

185 14.2 11.1 16.7

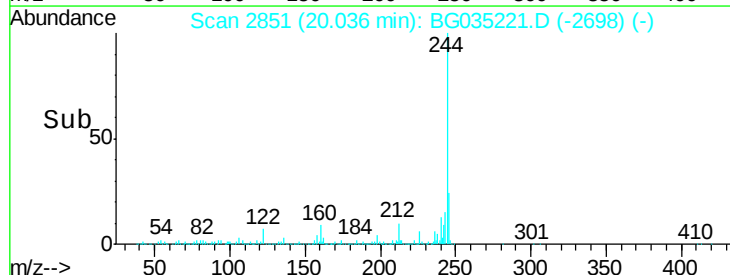
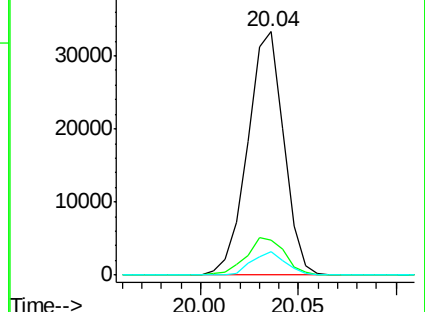
183 9.7 10.6 16.0#

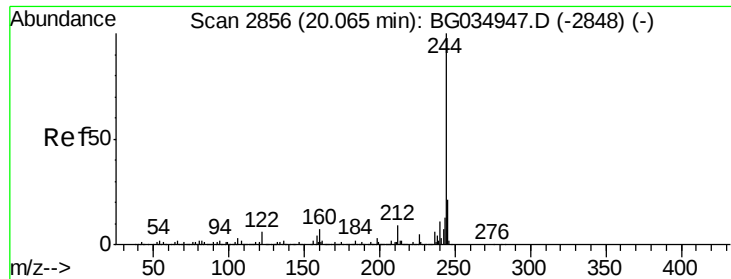


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.356 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035221.D

Acq: 18 Jun 2018 16:34

Instrument :

BNA_G

ClientSampleId :

SB-41-COMP

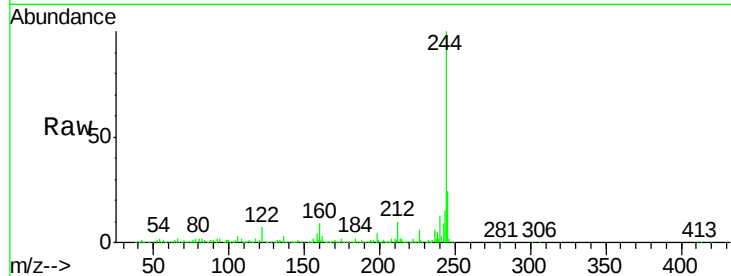
Tgt Ion:244 Resp: 2252629

Ion Ratio Lower Upper

244 100

212 10.3 5.8 8.8#

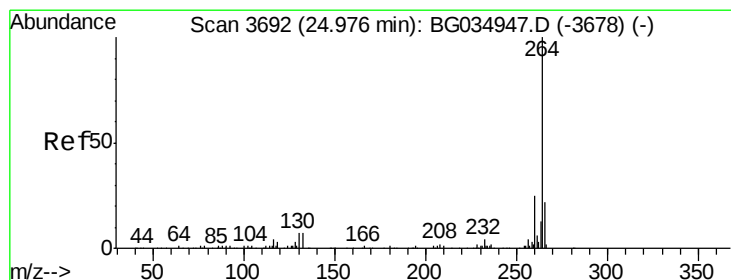
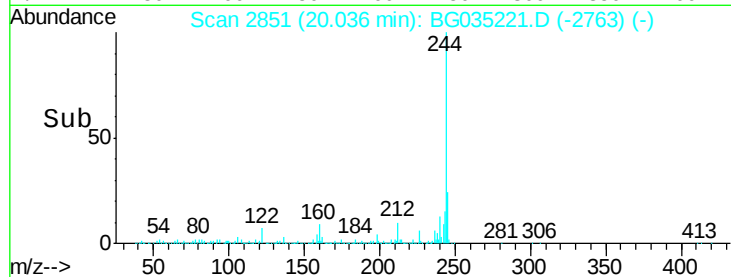
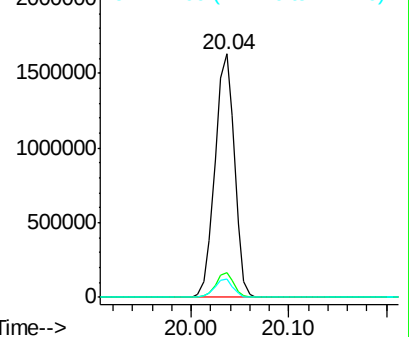
122 7.5 7.0 10.4



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. -0.04 min

Lab File: BG035221.D

Acq: 18 Jun 2018 16:34

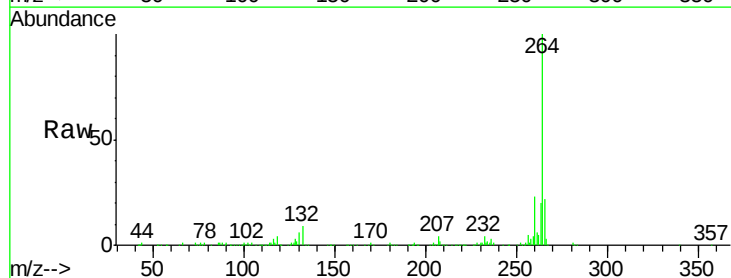
Tgt Ion:264 Resp: 363650

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 22.4 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

