

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072618\
 Data File : BG035914.D
 Acq On : 26 Jul 2018 18:33
 Operator : JU/SJ
 Sample : PB111441BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111441BL

Quant Time: Jul 27 01:26:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

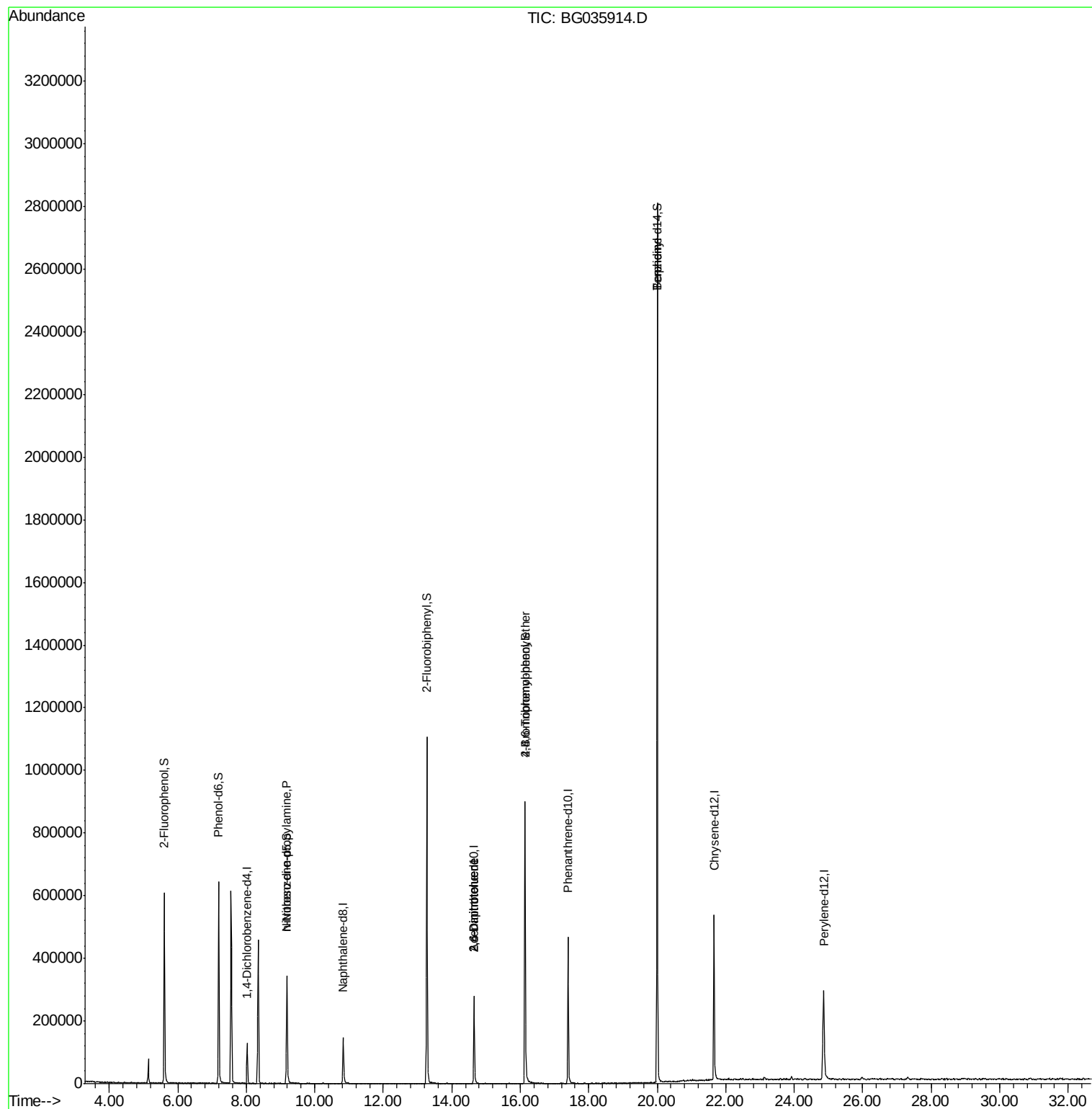
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	36943	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	141550	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	112076	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	338874	20.00	ng	0.00
75) Chrysene-d12	21.66	240	370010	20.00	ng	0.00
86) Perylene-d12	24.86	264	340773	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	276329	124.18	ng	0.00
7) Phenol-d6	7.19	99	393625	118.56	ng	0.00
23) Nitrobenzene-d5	9.18	82	250075	73.80	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	197157	133.46	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	636439	76.08	ng	0.00
78) Terphenyl-d14	20.00	244	1355849	80.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	34215	12.239	ng	# 69
50) 2,6-Dinitrotoluene	14.65	165	14330	7.166	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	14330	4.995	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	15306	3.893	ng	# 1
76) Benzidine	20.00	184	22404	2.303	ng	# 89

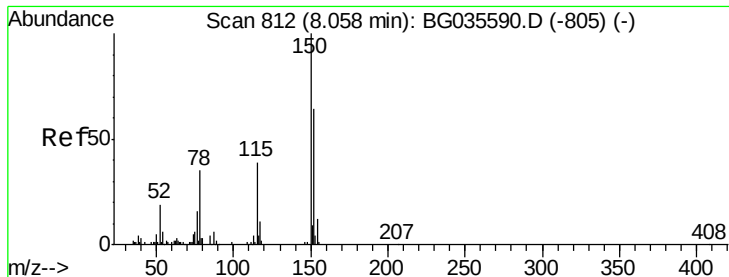
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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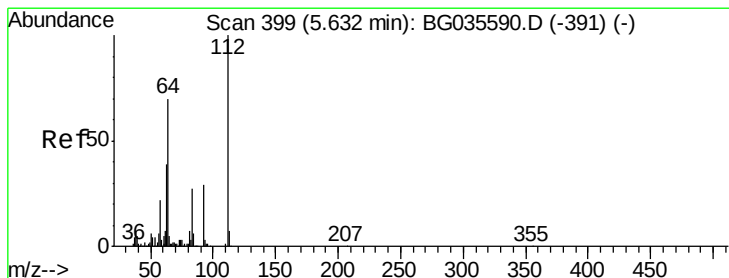
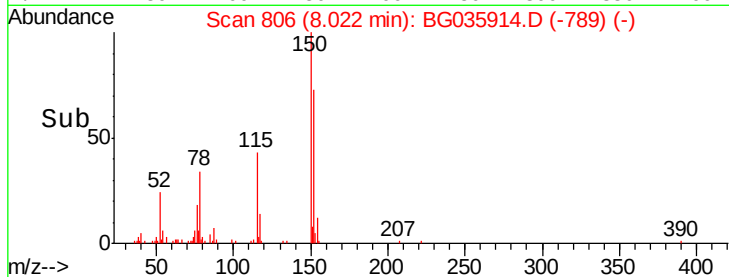
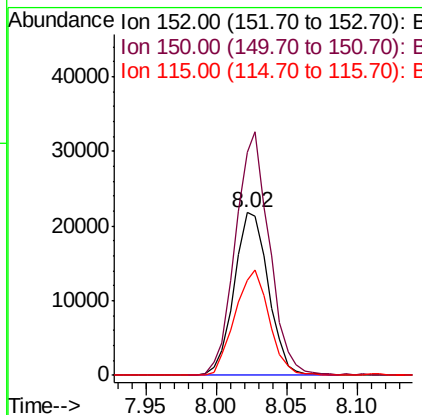
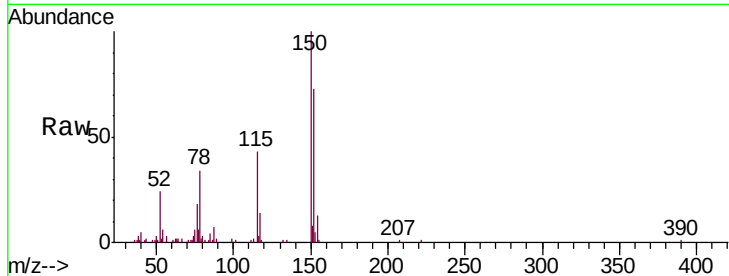


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG035914.D
Acq: 26 Jul 2018 18:33

Instrument :
BNA_G
ClientSampleId :
PB111441BL

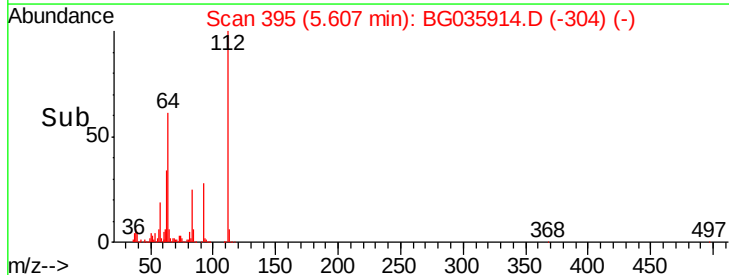
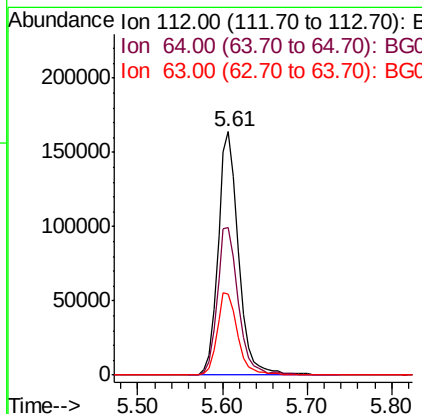
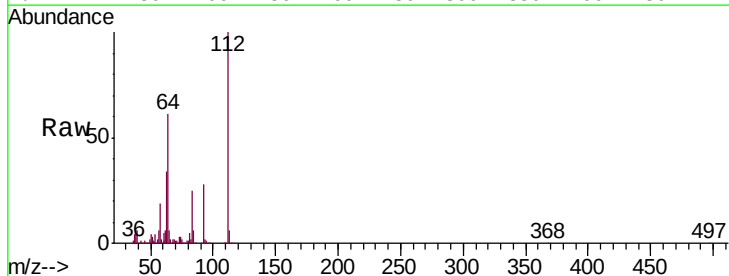
Tgt Ion:152 Resp: 36943
Ion Ratio Lower Upper
152 100
150 137.3 126.6 189.8
115 58.6 53.0 79.4

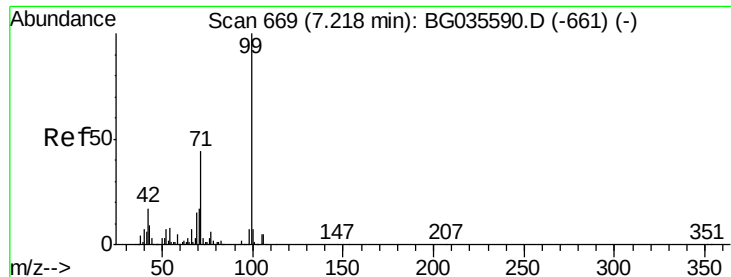


#5

2-Fluorophenol
Concen: 124.183 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG035914.D
Acq: 26 Jul 2018 18:33

Tgt Ion:112 Resp: 276329
Ion Ratio Lower Upper
112 100
64 60.7 56.3 84.5
63 33.6 30.1 45.1





#7

Phenol-d6

Concen: 118.564 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BG035914.D

Acq: 26 Jul 2018 18:33

Instrument :

BNA_G

ClientSampleId :

PB111441BL

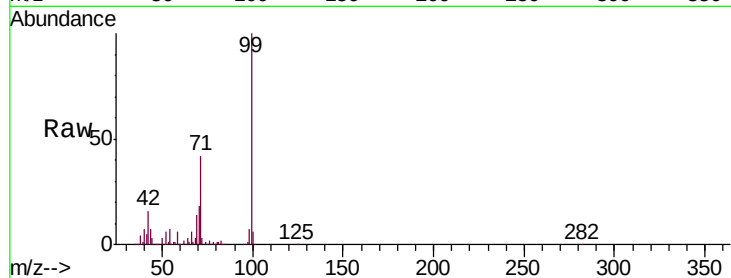
Tgt Ion: 99 Resp: 393625

Ion Ratio Lower Upper

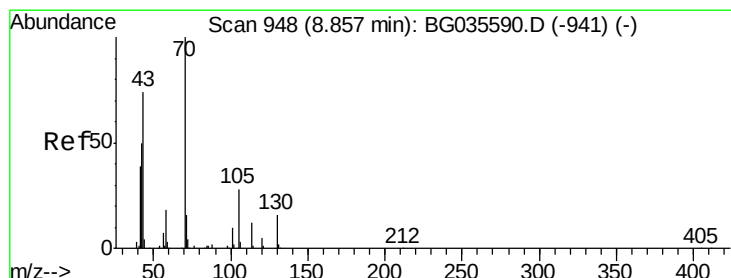
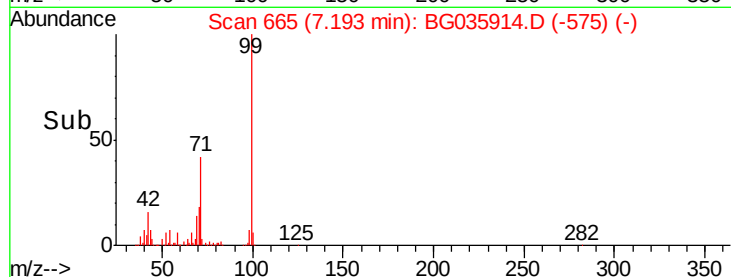
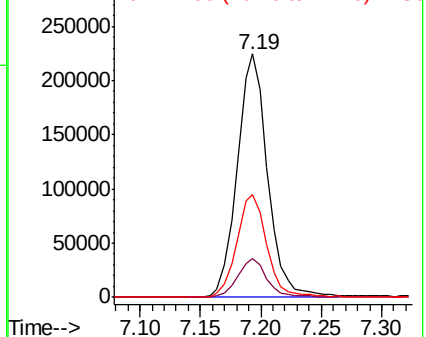
99 100

42 15.7 14.1 21.1

71 42.4 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: 12.239 ng

RT: 9.18 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035914.D

Acq: 26 Jul 2018 18:33

Tgt Ion: 70 Resp: 34215

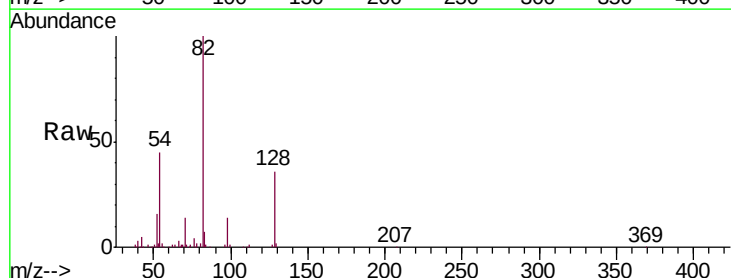
Ion Ratio Lower Upper

70 100

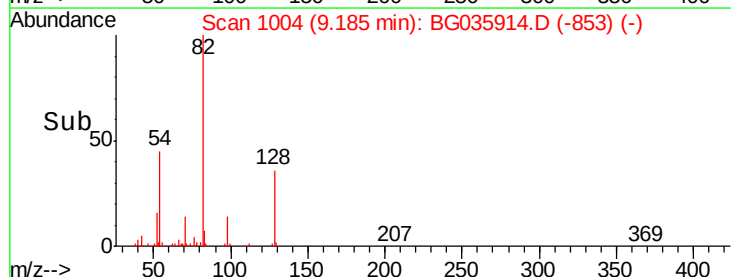
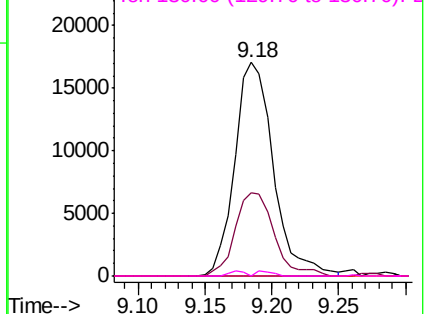
42 38.9 49.1 73.7#

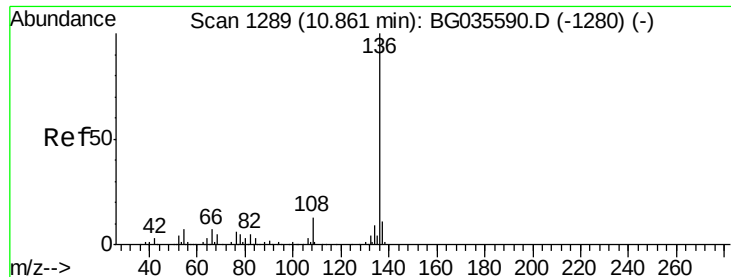
101 0.0 8.5 12.7#

130 0.0 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

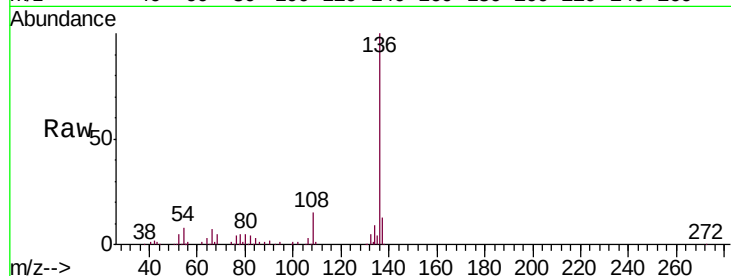




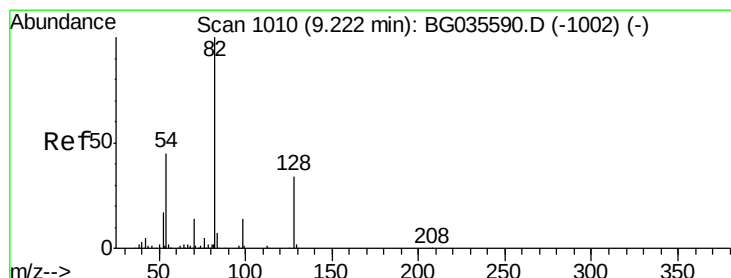
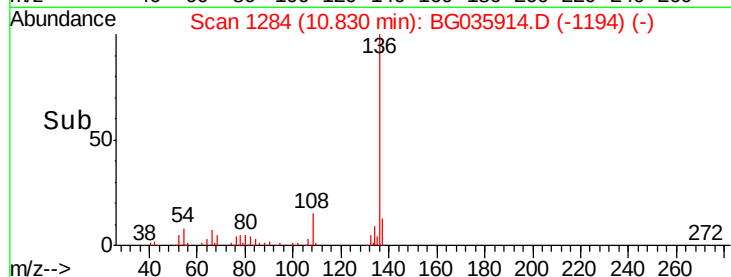
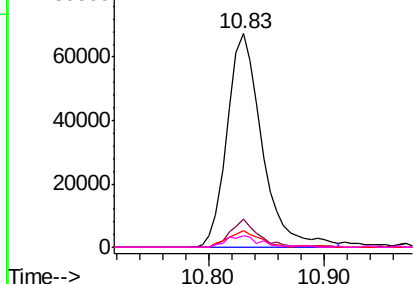
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BG035914.D
Acq: 26 Jul 2018 18:33

Instrument :
BNA_G
ClientSampleId :
PB111441BL

Tgt Ion:	136	Resp:	141550
Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.2	13.8
54	7.6	10.3	15.5#
68	5.1	4.5	6.7

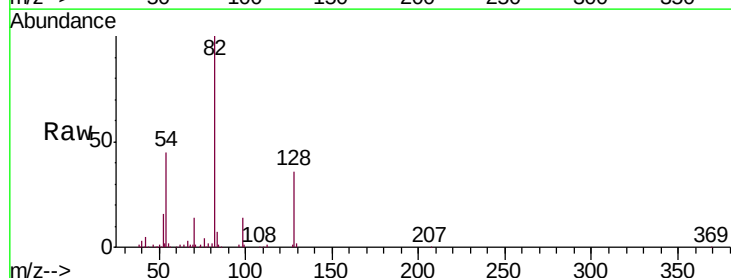


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

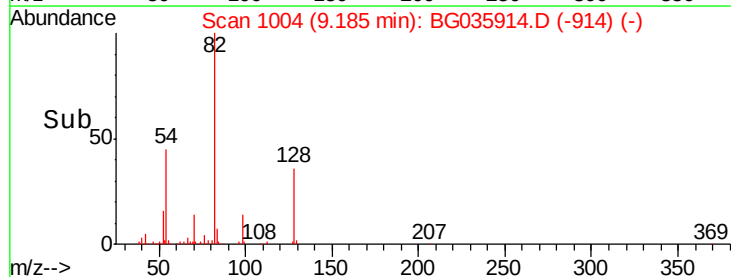
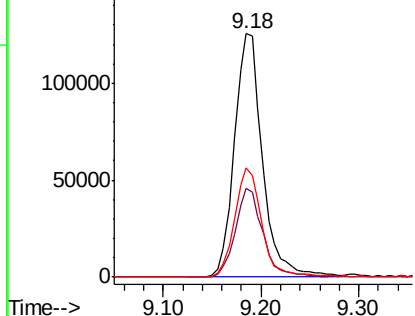


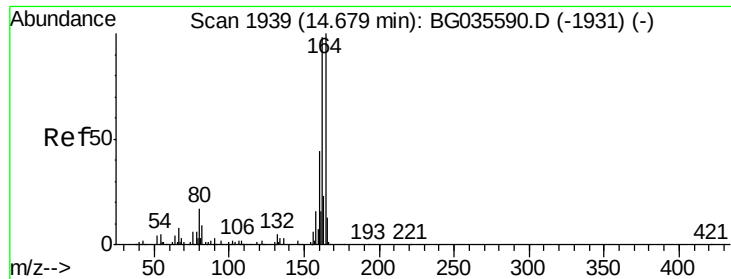
#23
Nitrobenzene-d5
Concen: 73.803 ng
RT: 9.18 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG035914.D
Acq: 26 Jul 2018 18:33

Tgt Ion:	82	Resp:	250075
Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.7	44.5
54	44.7	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035914.D

Acq: 26 Jul 2018 18:33

Instrument :

BNA_G

ClientSampleId :

PB111441BL

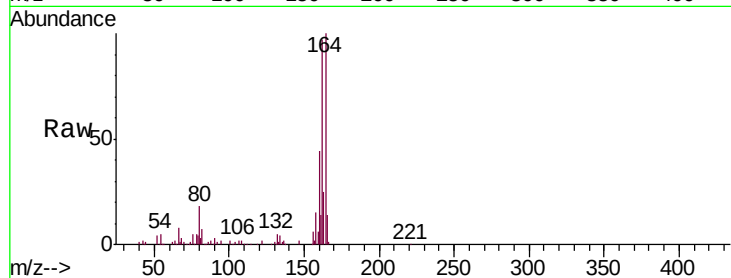
Tgt Ion:164 Resp: 112076

Ion Ratio Lower Upper

164 100

162 96.5 78.8 118.2

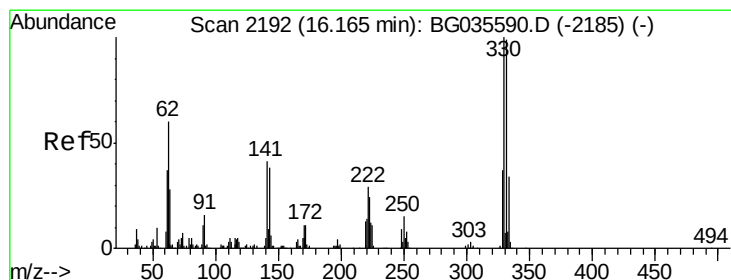
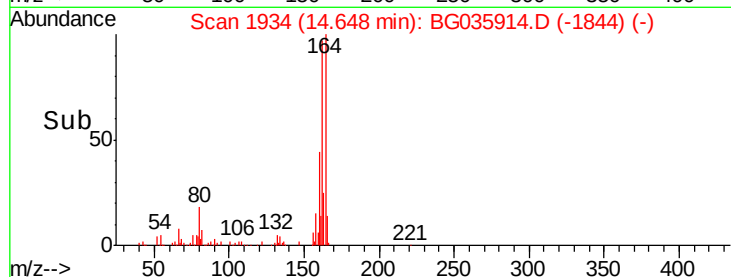
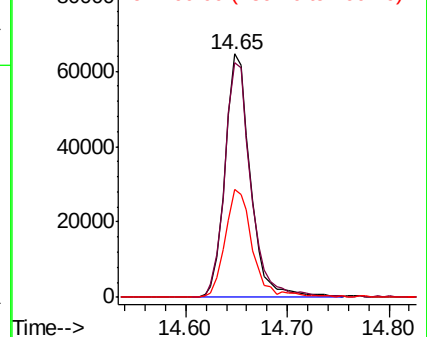
160 44.2 35.4 53.0



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: 133.464 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG035914.D

Acq: 26 Jul 2018 18:33

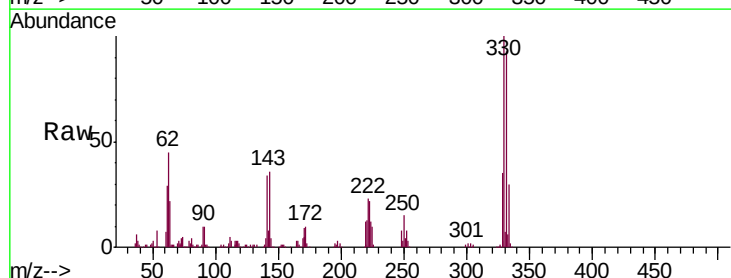
Tgt Ion:330 Resp: 197157

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

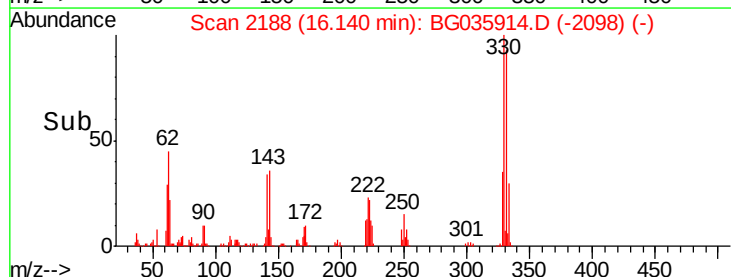
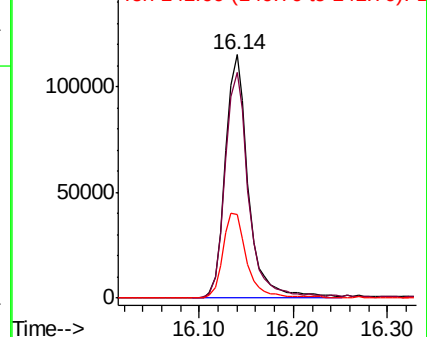
141 35.6 25.2 37.8

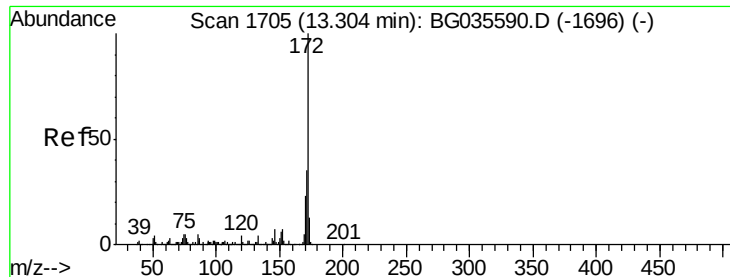


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

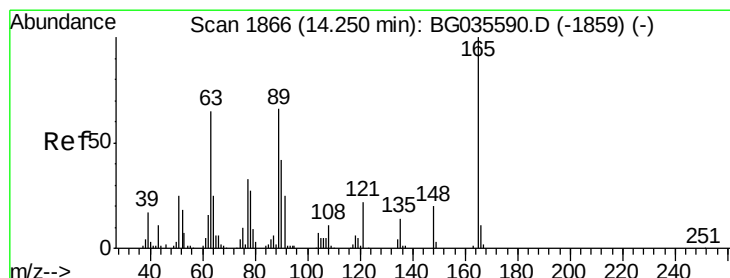
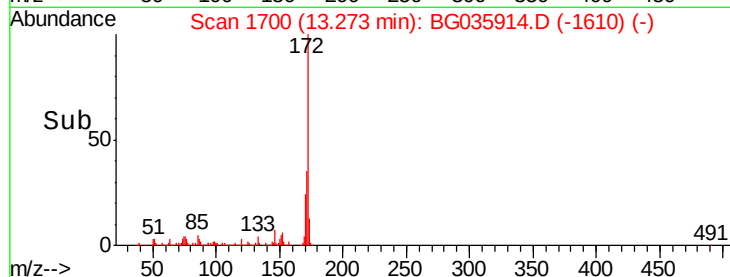
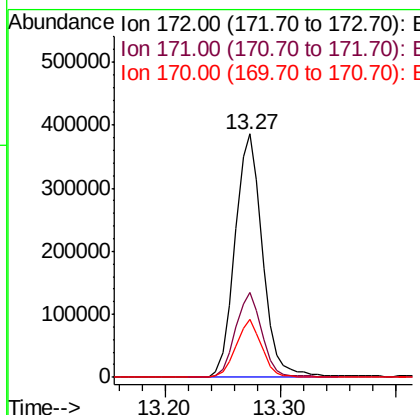
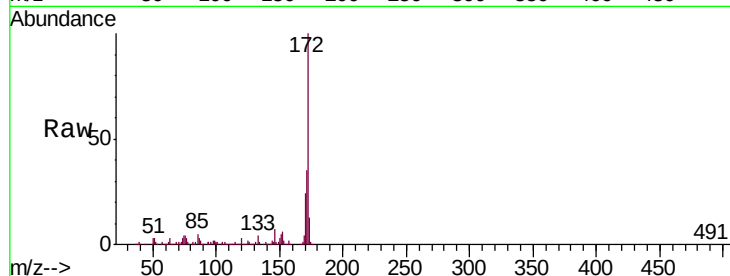




#44
2-Fluorobiphenyl
Concen: 76.079 ng
RT: 13.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: BG035914.D
Acq: 26 Jul 2018 18:33

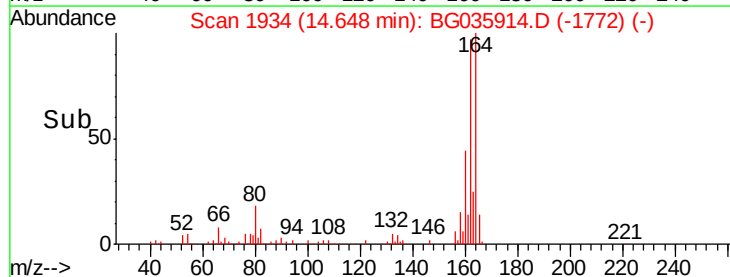
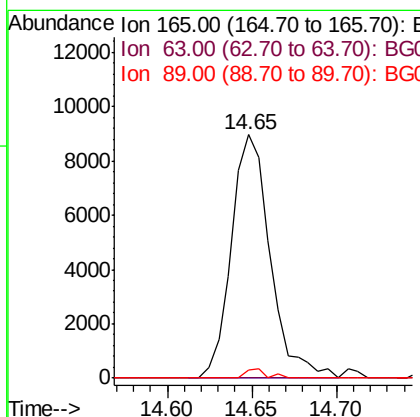
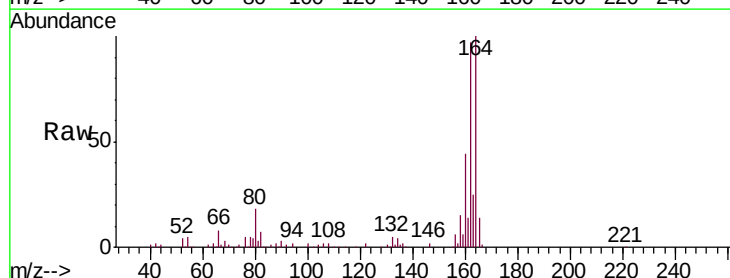
Instrument :
BNA_G
ClientSampleId :
PB111441BL

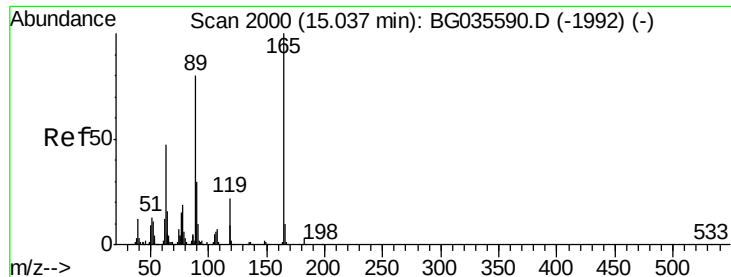
Tgt Ion:172 Resp: 636439
Ion Ratio Lower Upper
172 100
171 35.0 30.0 45.0
170 23.9 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.166 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.42 min
Lab File: BG035914.D
Acq: 26 Jul 2018 18:33

Tgt Ion:165 Resp: 14330
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.2 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 4.995 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.37 min

Lab File: BG035914.D

Acq: 26 Jul 2018 18:33

Instrument :

BNA_G

ClientSampled :

PB111441BL

Tgt Ion:165 Resp: 14330

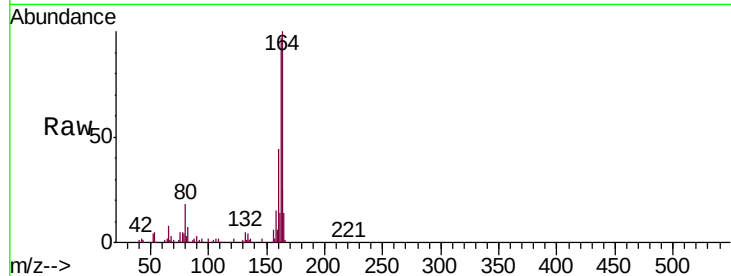
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.2 66.9 100.3#

182 0.0 2.6 3.8#

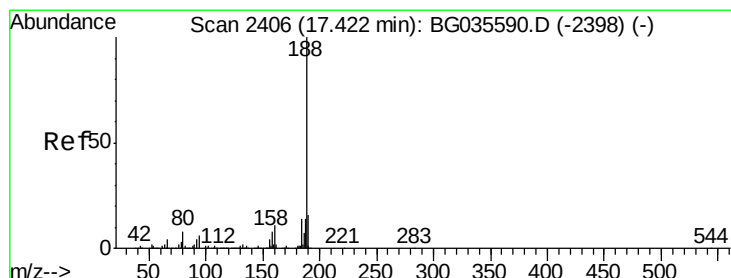
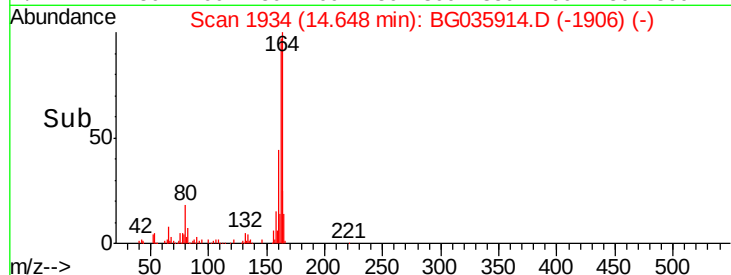
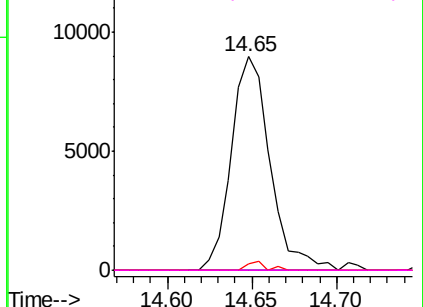


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG035914.D

Acq: 26 Jul 2018 18:33

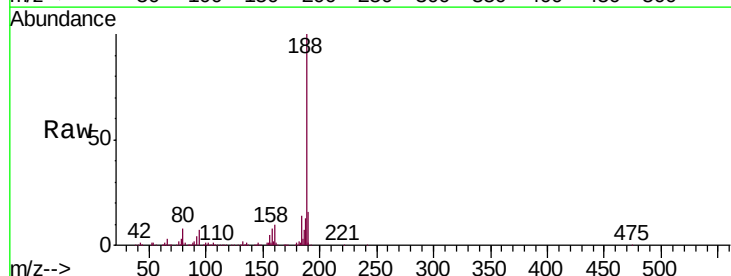
Tgt Ion:188 Resp: 338874

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

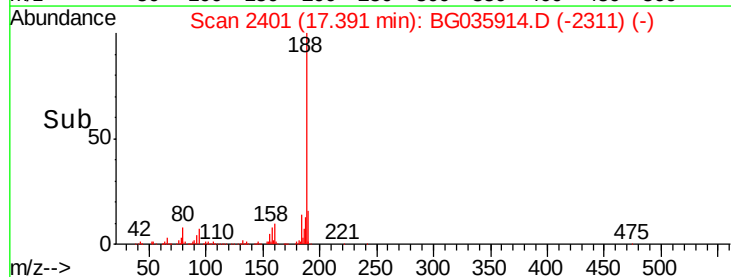
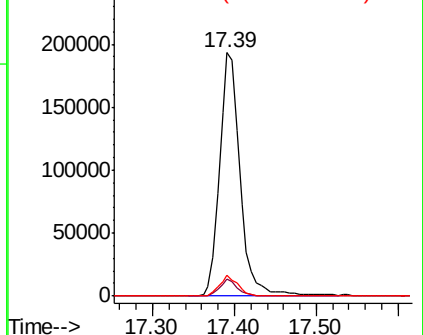
80 8.4 7.7 11.5

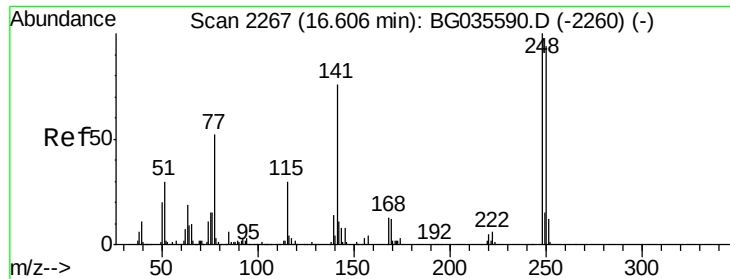


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

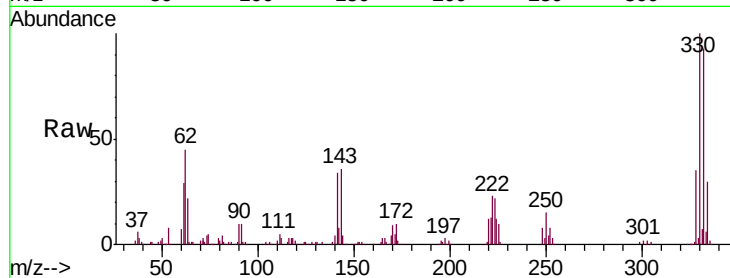




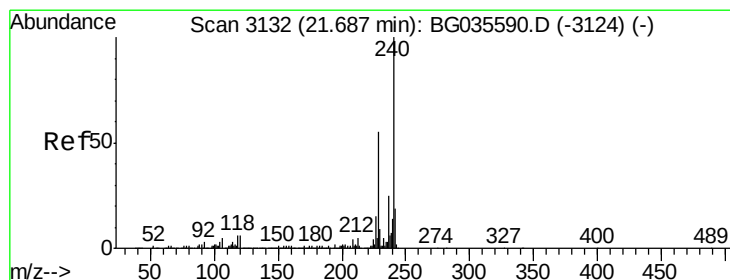
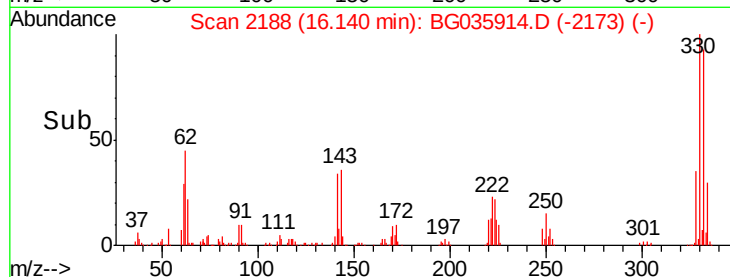
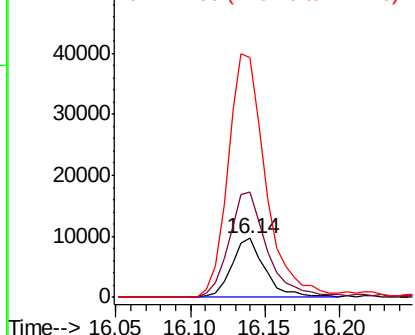
#66
 4-Bromophenyl-phenylether
 Concen: 3.893 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.44 min
 Lab File: BG035914.D
 Acq: 26 Jul 2018 18:33

Instrument :
 BNA_G
 ClientSampleId :
 PB111441BL

Tgt Ion: 248 Resp: 15306
 Ion Ratio Lower Upper
 248 100
 250 178.2 77.1 115.7#
 141 405.4 50.8 76.2#

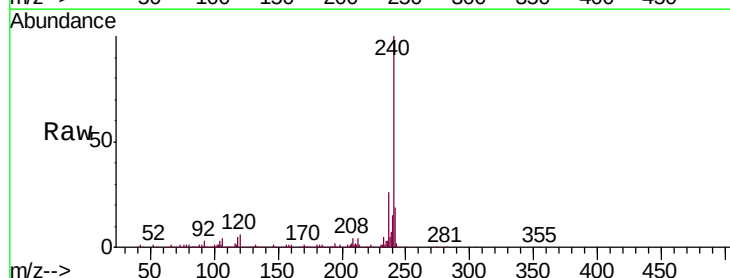


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

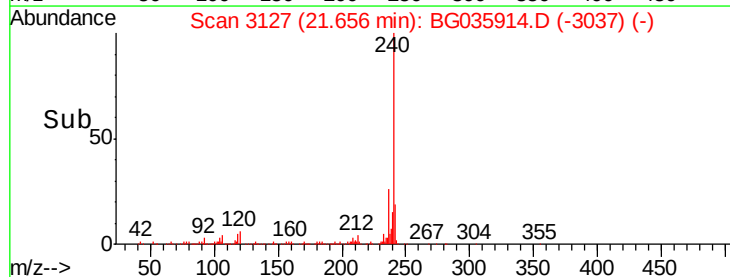
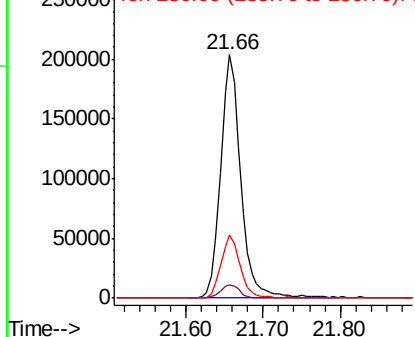


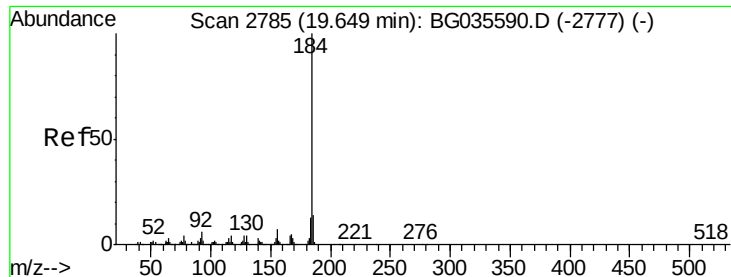
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: BG035914.D
 Acq: 26 Jul 2018 18:33

Tgt Ion: 240 Resp: 370010
 Ion Ratio Lower Upper
 240 100
 120 5.5 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





#76

Benzidine

Concen: 2.303 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.37 min

Lab File: BG035914.D

Acq: 26 Jul 2018 18:33

Instrument :

BNA_G

ClientSampleId :

PB111441BL

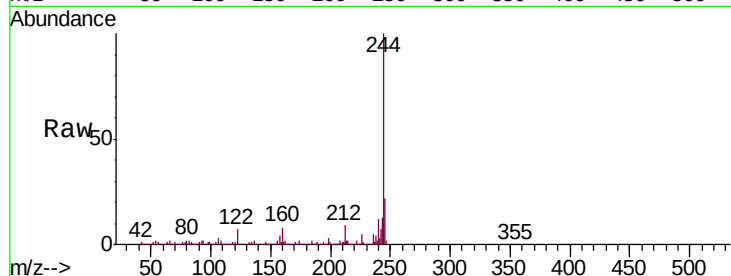
Tgt Ion:184 Resp: 22404

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

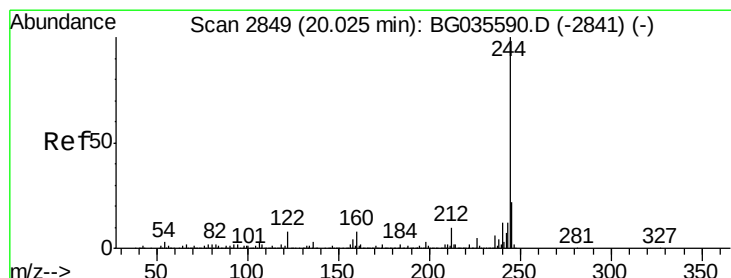
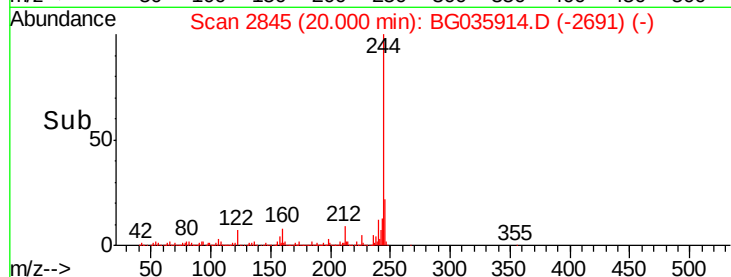
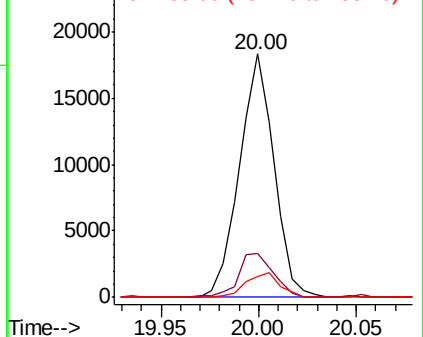
183 8.5 10.6 16.0#



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: 80.773 ng

RT: 20.00 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG035914.D

Acq: 26 Jul 2018 18:33

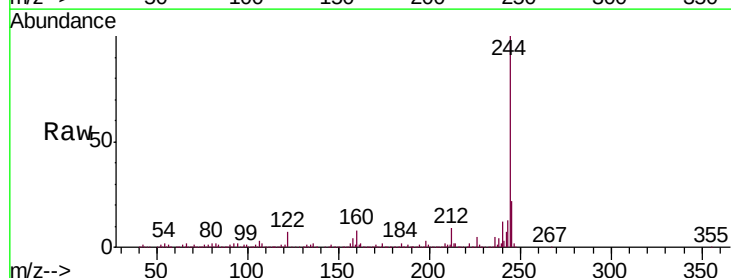
Tgt Ion:244 Resp: 1355849

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

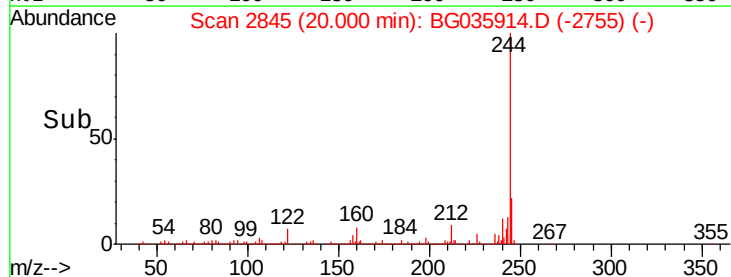
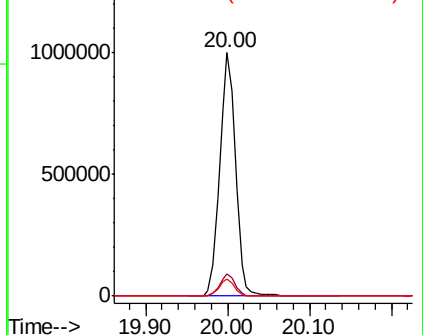
122 7.2 7.0 10.4

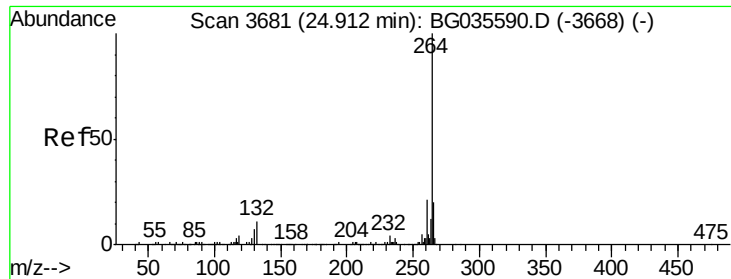


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.86 min Scan# 3672
Delta R.T. -0.00 min
Lab File: BG035914.D
Acq: 26 Jul 2018 18:33

Instrument :
BNA_G
ClientSampleId :
PB111441BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.4	26.0
265	20.1	17.7	26.5

