

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062018\
 Data File : BG035272.D
 Acq On : 20 Jun 2018 18:55
 Operator : SJ/JU
 Sample : J3249-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 21 03:58:00 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

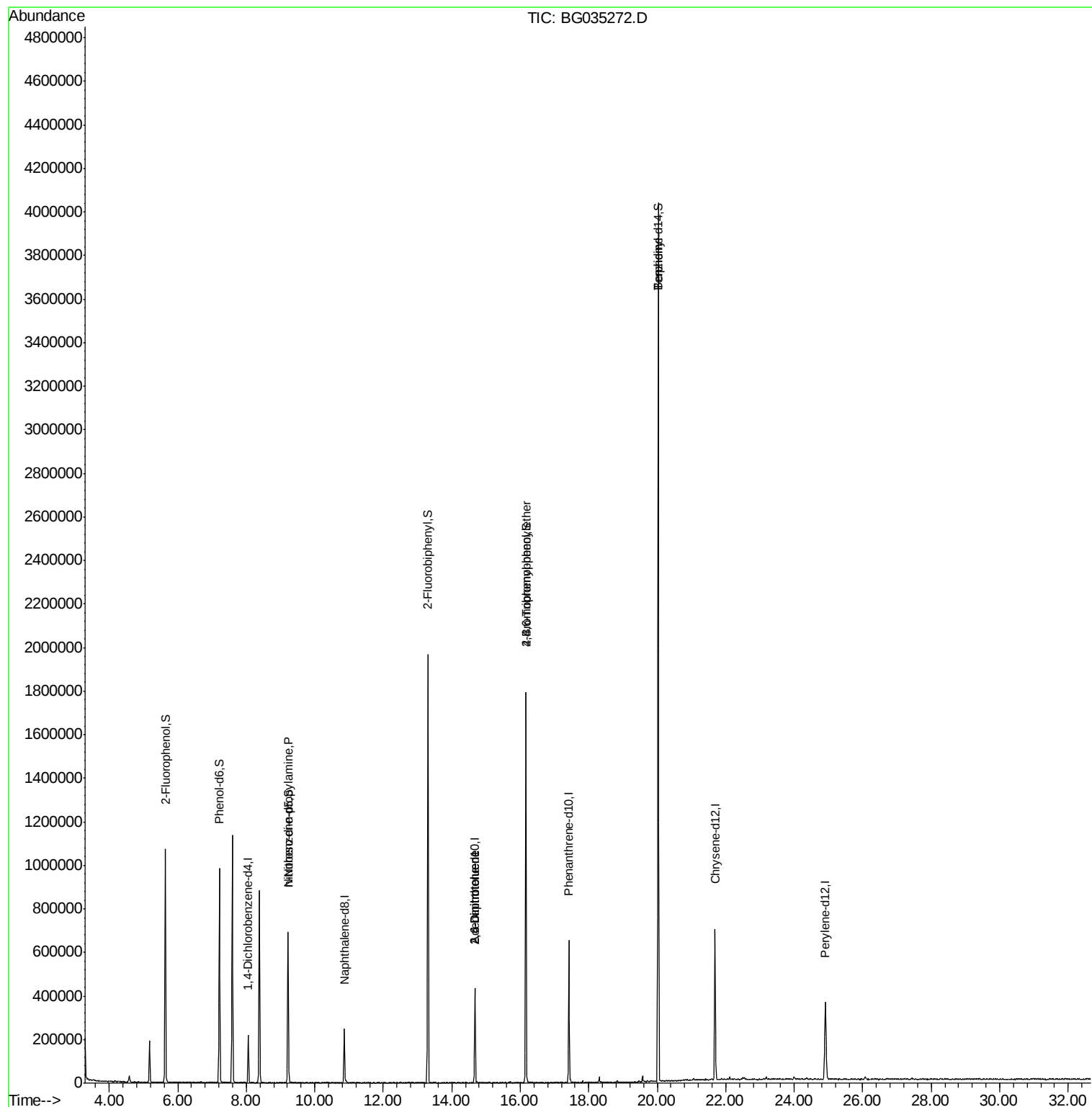
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	62623	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	214828	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	145786	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	406693	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	436749	20.00	ng	-0.03
86) Perylene-d12	24.91	264	406960	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	469330	126.48	ng	0.00
7) Phenol-d6	7.22	99	595361	108.70	ng	0.00
23) Nitrobenzene-d5	9.22	82	465889	103.09	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	334911	179.46	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1042204	92.93	ng	-0.02
78) Terphenyl-d14	20.03	244	1880787	90.20	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	64812	13.929	ng	# 68
50) 2,6-Dinitrotoluene	14.68	165	19883	8.573	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	19883	6.454	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	27820	5.680	ng	# 1
76) Benzidine	20.03	184	32951	2.028	ng	# 86

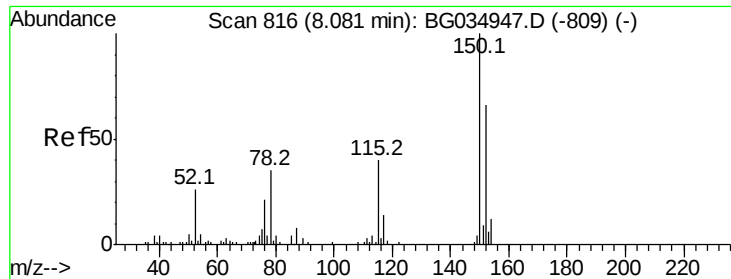
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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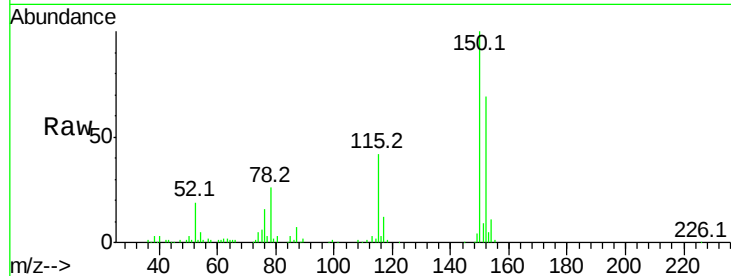


#1

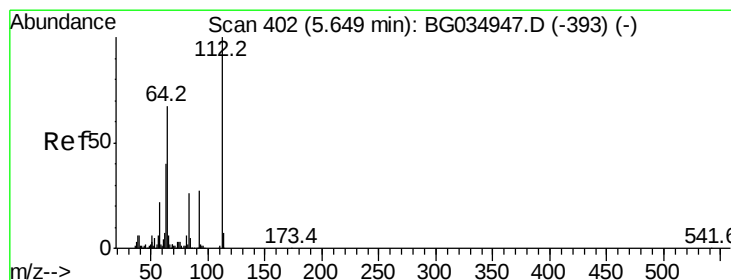
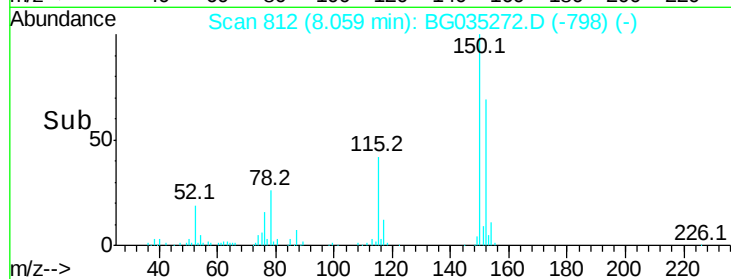
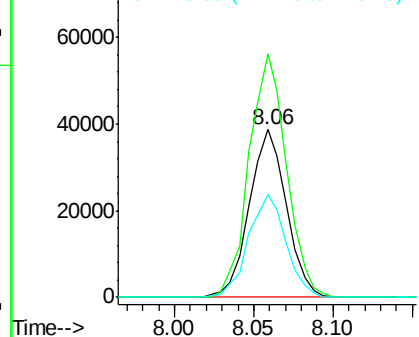
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62623
Ion Ratio Lower Upper
152 100
150 145.2 126.6 189.8
115 61.6 53.0 79.4



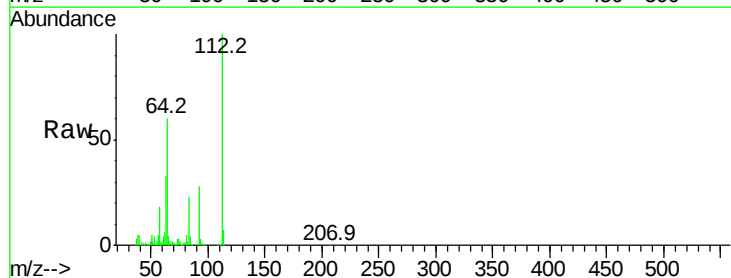
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



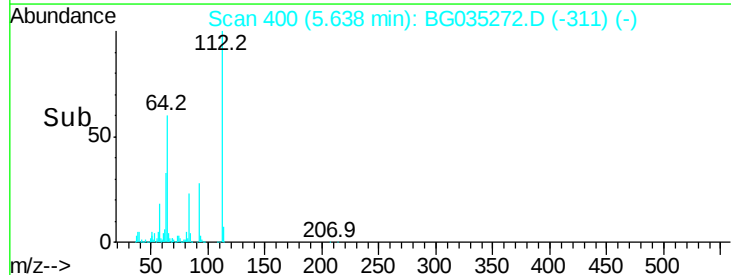
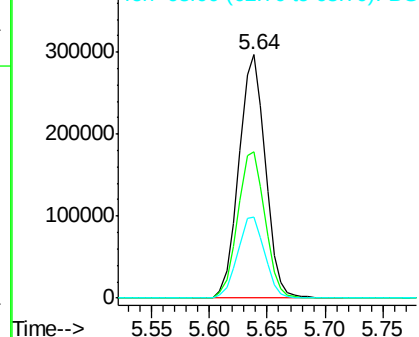
#5

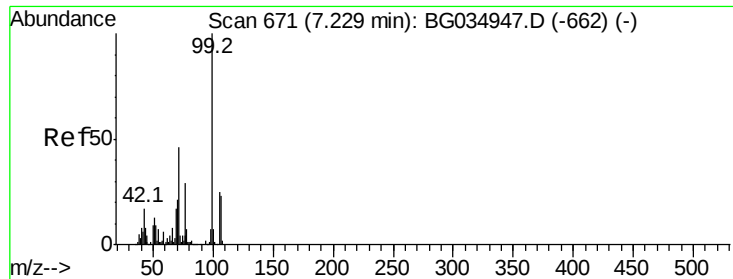
2-Fluorophenol
Concen: 126.478 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

Tgt Ion:112 Resp: 469330
Ion Ratio Lower Upper
112 100
64 60.0 56.3 84.5
63 33.2 30.1 45.1



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





#7

Phenol-d6

Concen: 108.705 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035272.D

Acq: 20 Jun 2018 18:55

Instrument :

BNA_G

ClientSampleId :

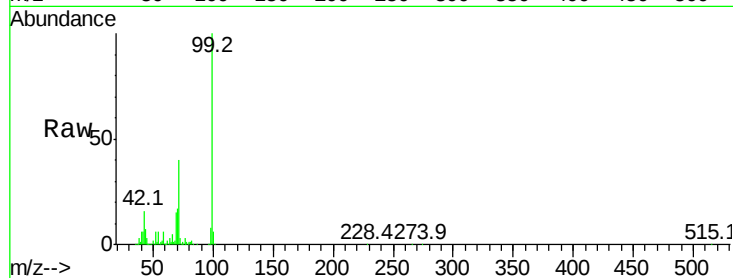
Tot Ion: 99 Resp: 595361

Ion Ratio Lower Upper

99 100

42 15.8 14.1 21.1

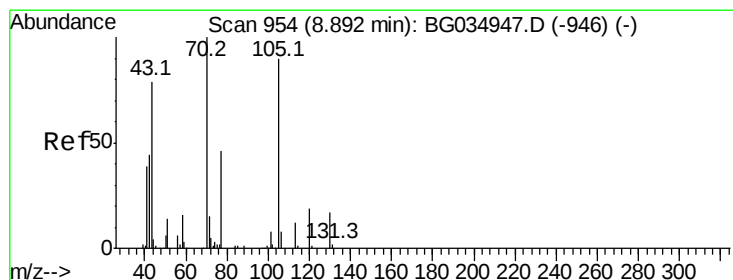
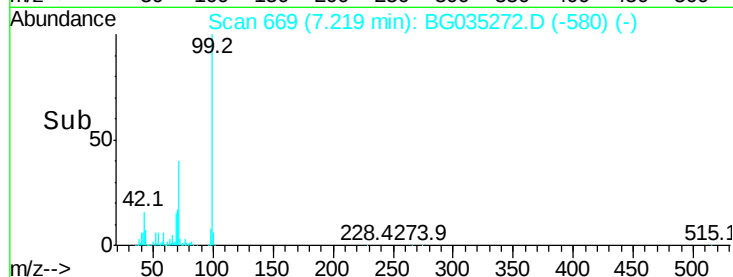
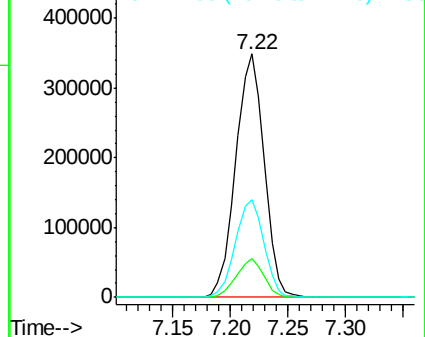
71 40.0 26.1 39.1#



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: 13.929 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035272.D

Acq: 20 Jun 2018 18:55

Tgt Ion: 70 Resp: 64812

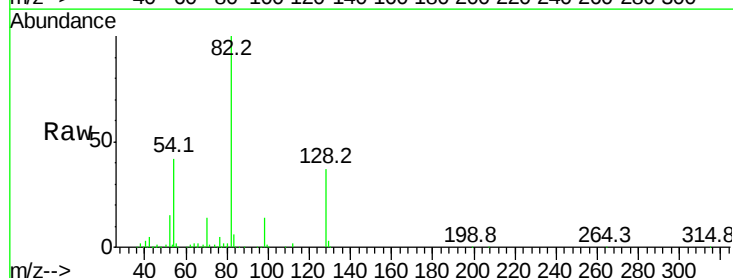
Ion Ratio Lower Upper

70 100

42 36.2 49.1 73.7#

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#

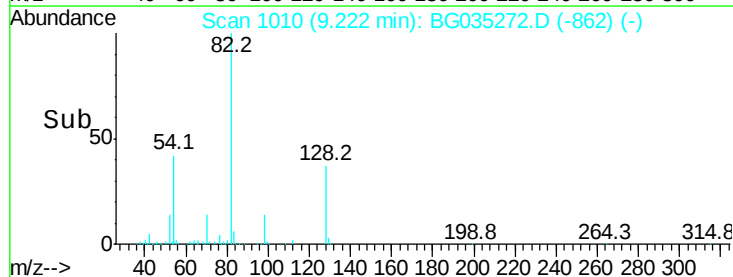
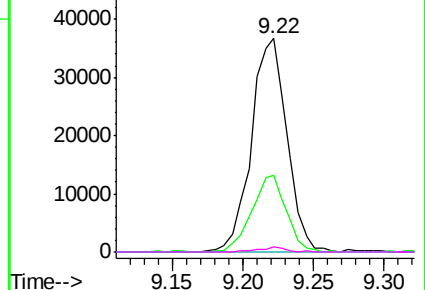


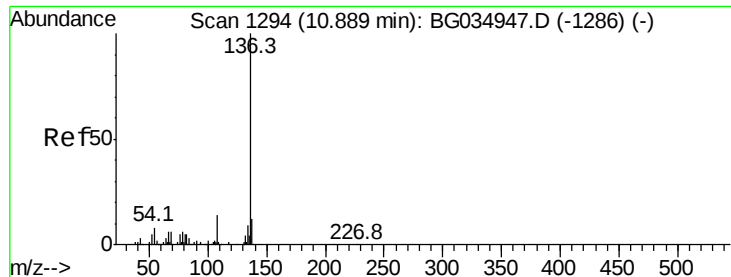
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

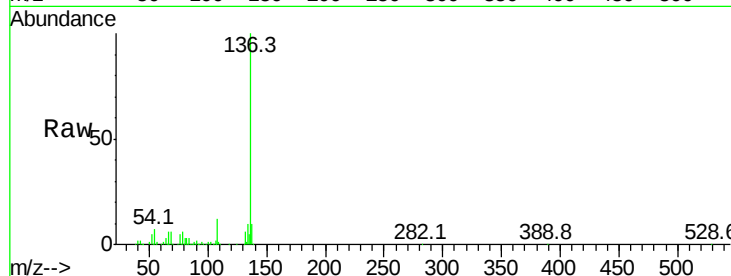




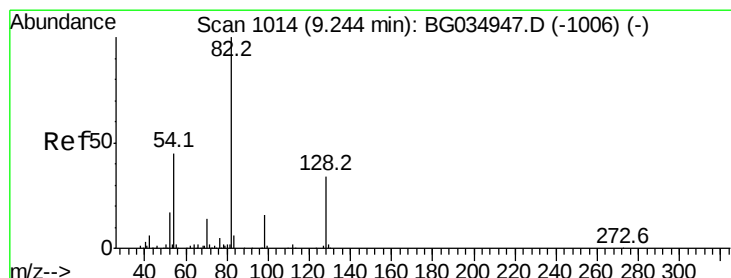
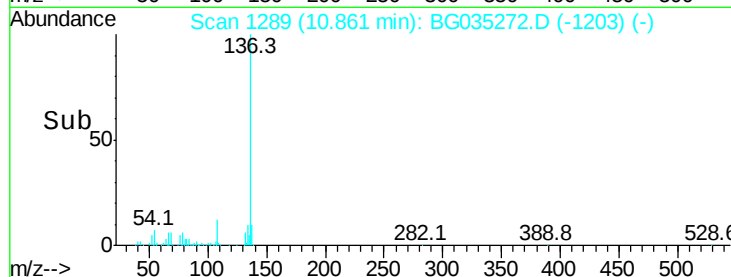
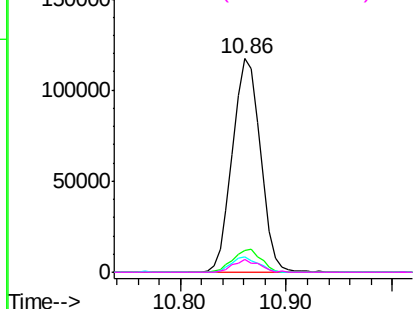
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	7.0	10.3	15.5#
68	6.1	4.5	6.7

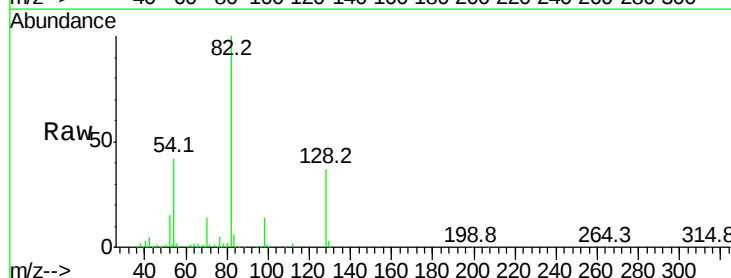


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

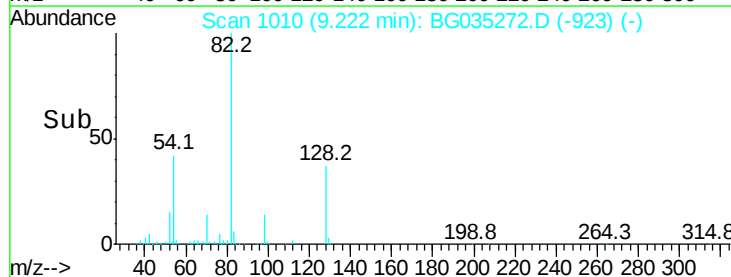
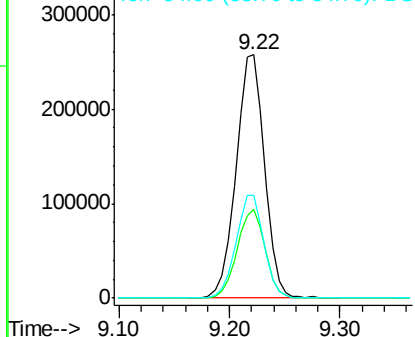


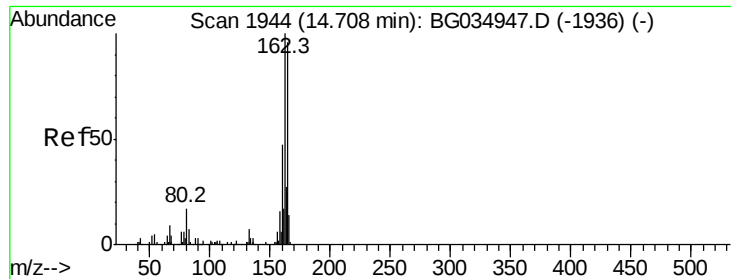
#23
Nitrobenzene-d5
Concen: 103.086 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.7	44.5
54	42.2	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035272.D

Acq: 20 Jun 2018 18:55

Instrument :

BNA_G

ClientSampleId :

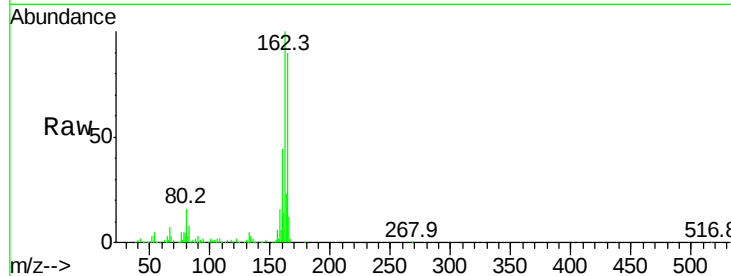
Tot Ion:164 Resp: 145786

Ion Ratio Lower Upper

164 100

162 110.7 78.8 118.2

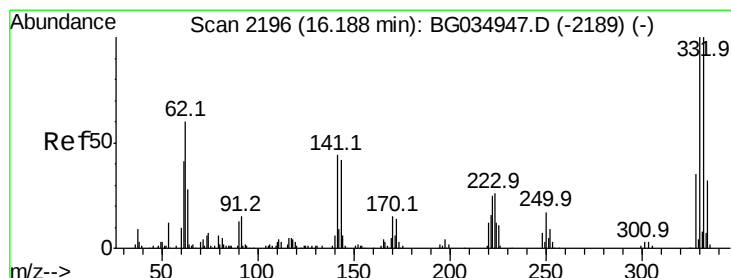
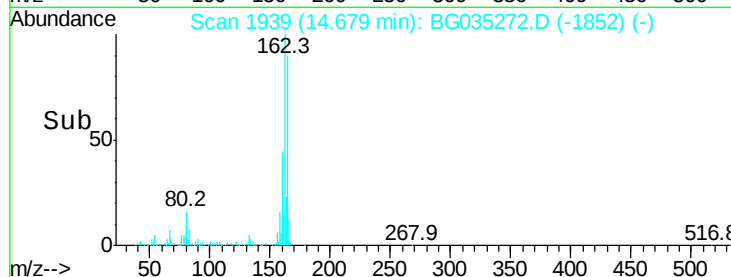
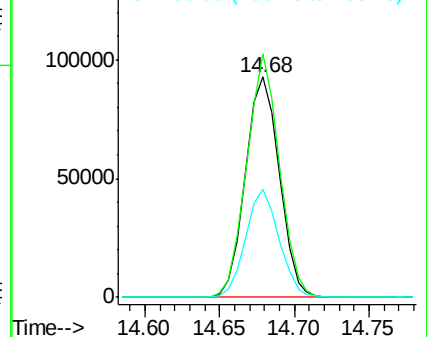
160 48.8 35.4 53.0



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: 179.457 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035272.D

Acq: 20 Jun 2018 18:55

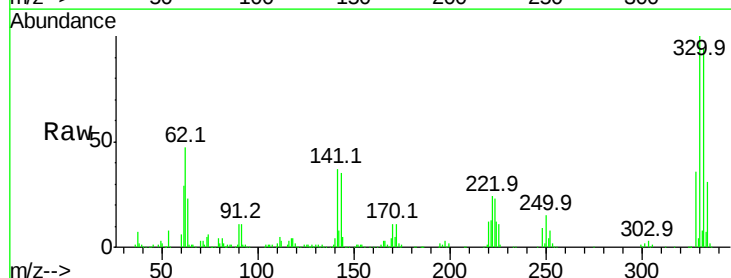
Tgt Ion:330 Resp: 334911

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

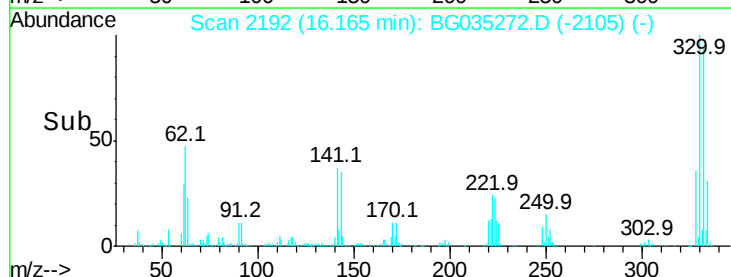
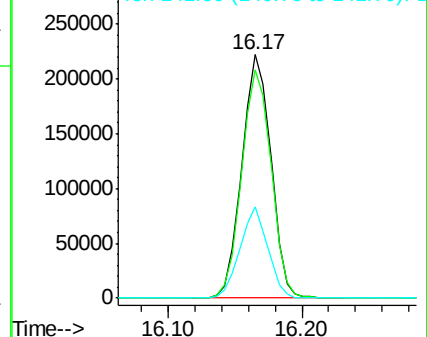
141 36.0 25.2 37.8

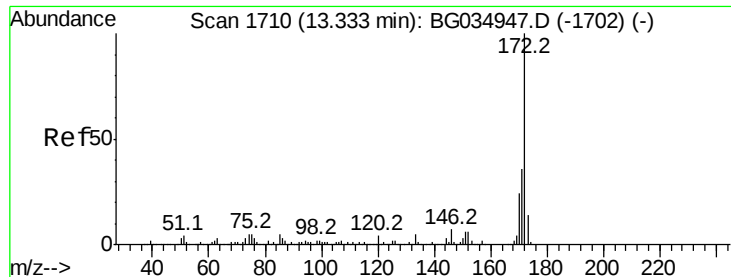


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

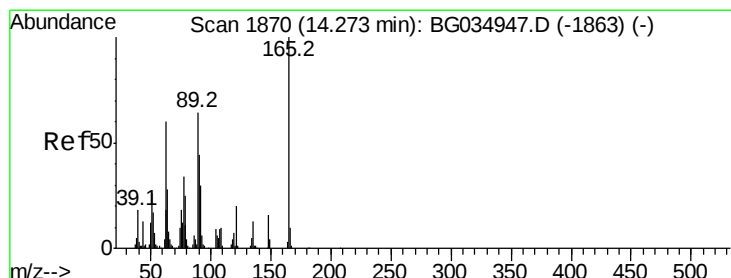
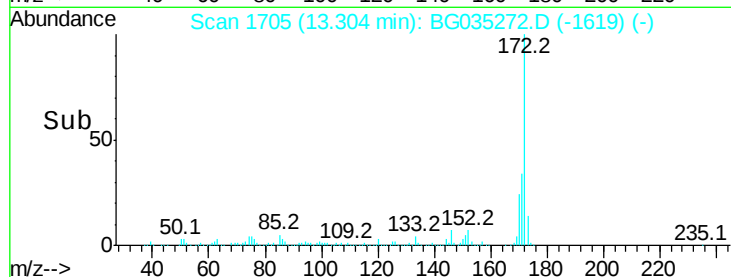
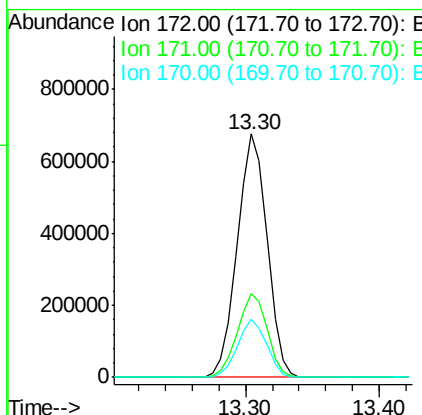
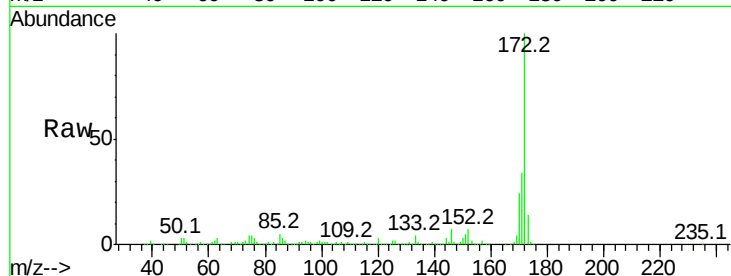




#44
2-Fluorobiphenyl
Concen: 92.935 ng
RT: 13.30 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

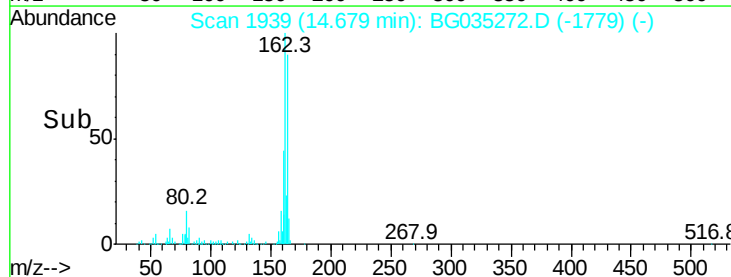
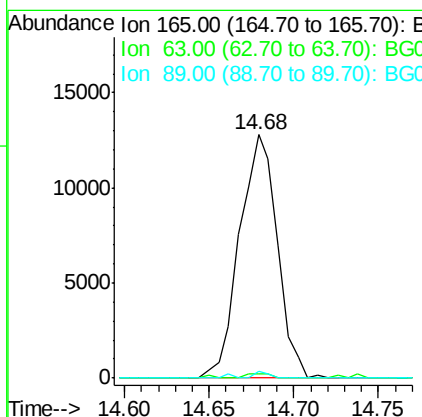
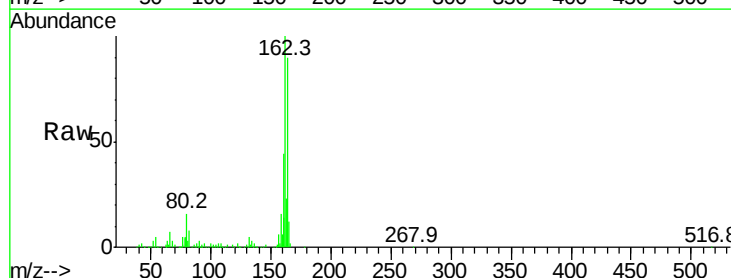
Instrument :
BNA_G
ClientSampleId :

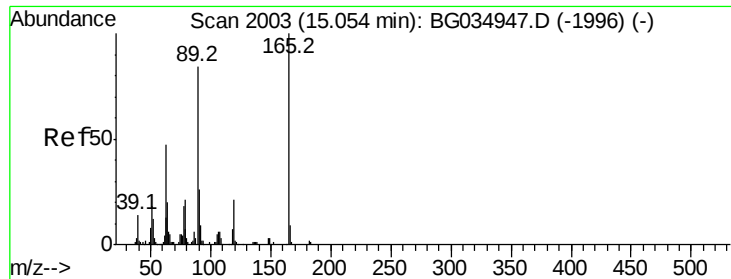
Tot Ion:172 Resp: 1042204
Ion Ratio Lower Upper
172 100
171 34.2 30.0 45.0
170 23.9 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.573 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.41 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

Tgt Ion:165 Resp: 19883
Ion Ratio Lower Upper
165 100
63 1.5 52.7 79.1#
89 2.6 49.2 73.8#

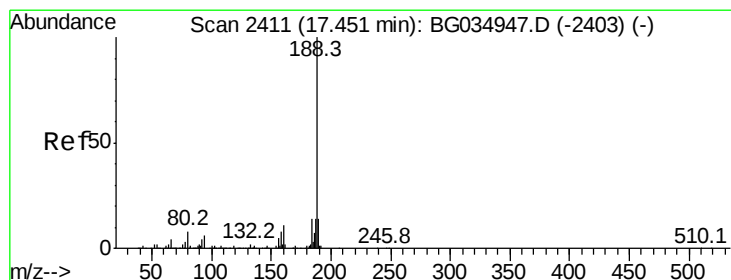
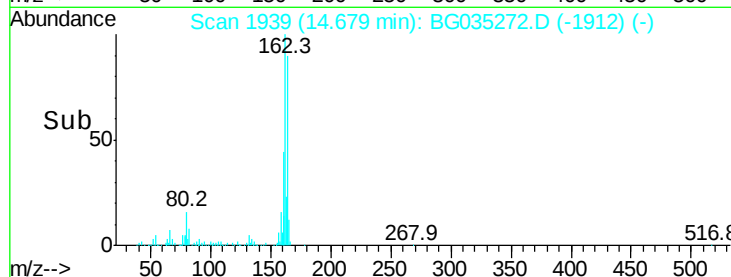
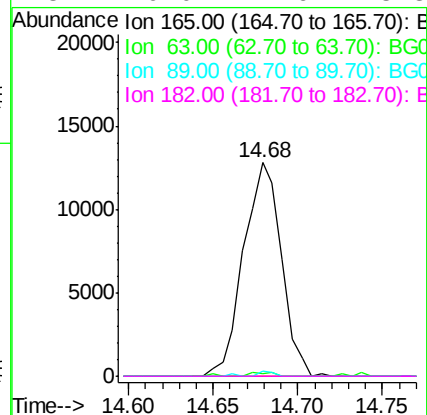
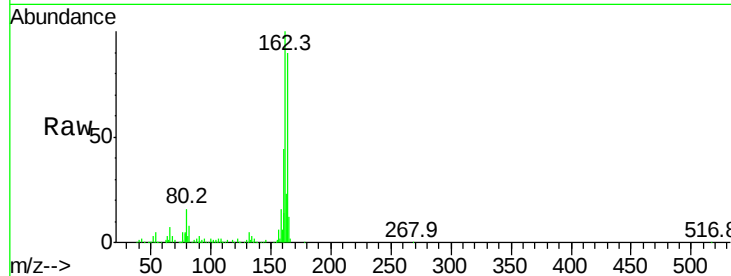




#56
2,4-Dinitrotoluene
Concen: 6.454 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

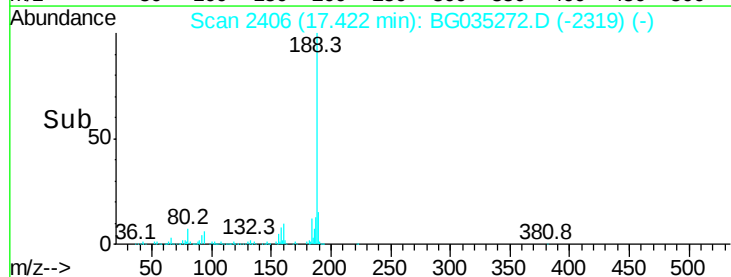
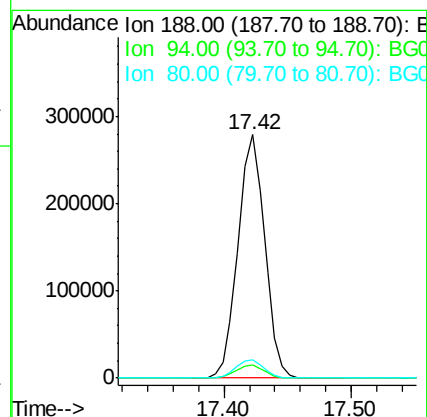
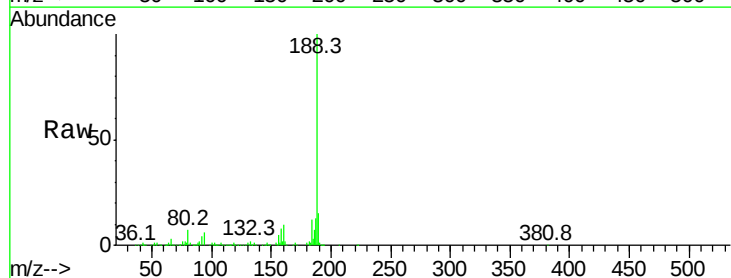
Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 19883
Ion Ratio Lower Upper
165 100
63 1.5 42.0 63.0#
89 2.6 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

Tgt Ion:188 Resp: 406693
Ion Ratio Lower Upper
188 100
94 5.6 6.9 10.3#
80 7.3 7.7 11.5#

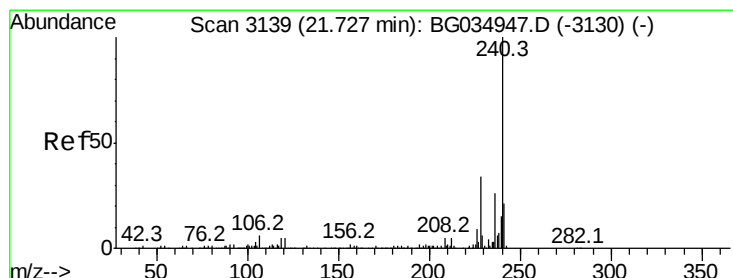
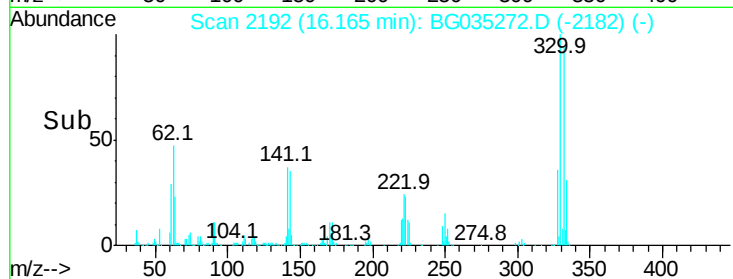
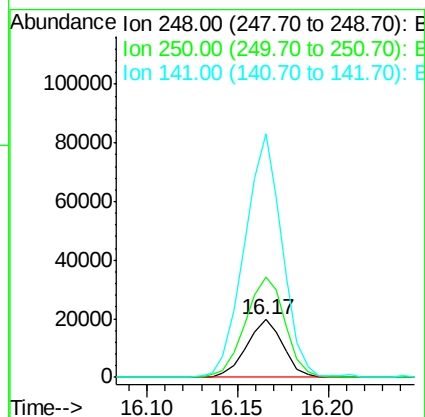
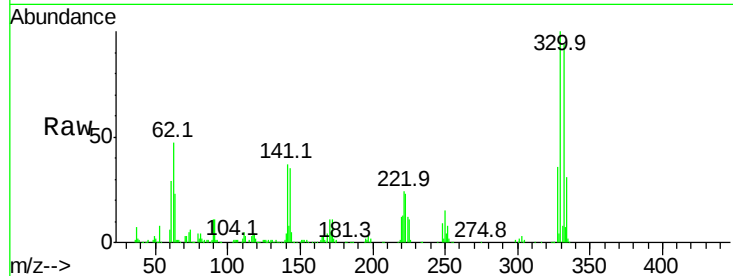




#66
4-Bromophenyl-phenylether
Concen: 5.680 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

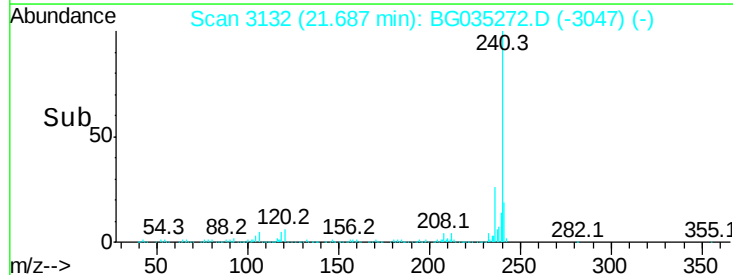
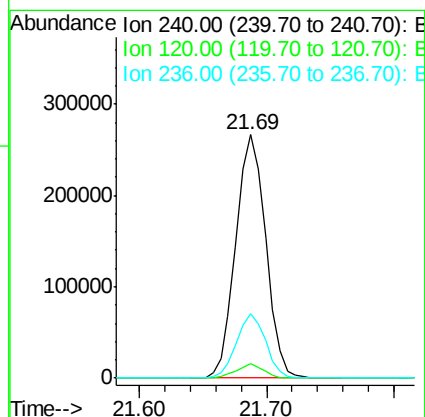
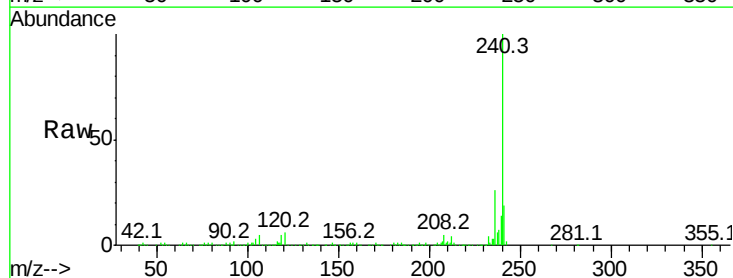
Instrument :
BNA_G
ClientSampleId :

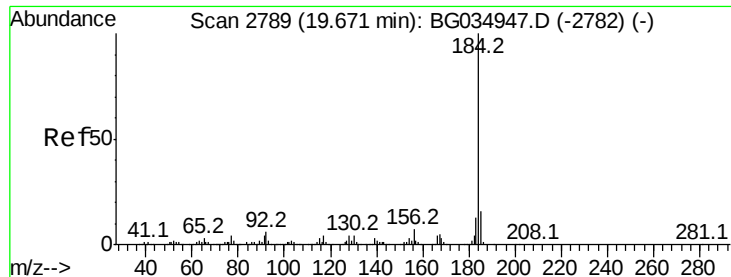
Tot Ion:248 Resp: 27820
Ion Ratio Lower Upper
248 100
250 174.2 77.1 115.7#
141 423.9 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.03 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

Tgt Ion:240 Resp: 436749
Ion Ratio Lower Upper
240 100
120 5.7 6.8 10.2#
236 26.3 20.9 31.3

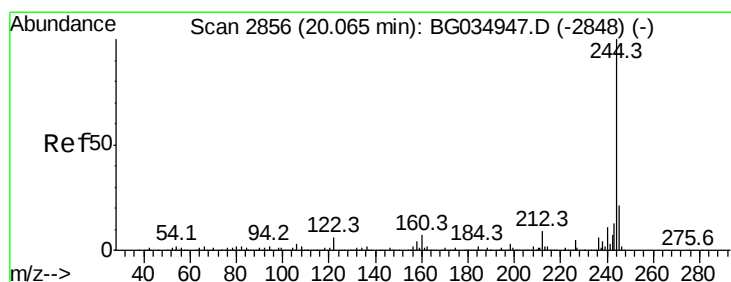
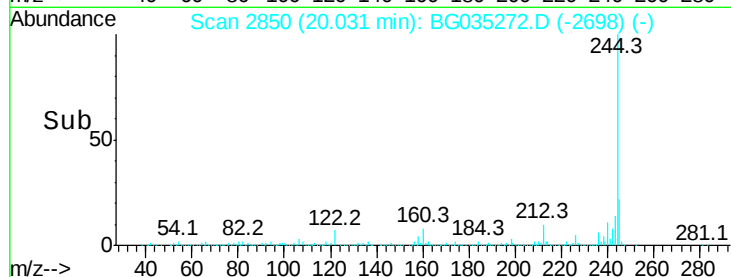
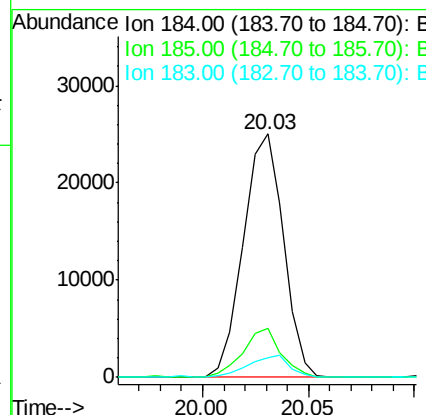
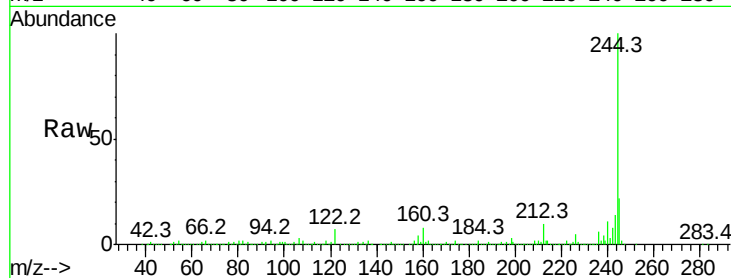




#76
Benzidine
Concen: 2.028 ng
RT: 20.03 min Scan# 2850
Delta R.T. 0.36 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

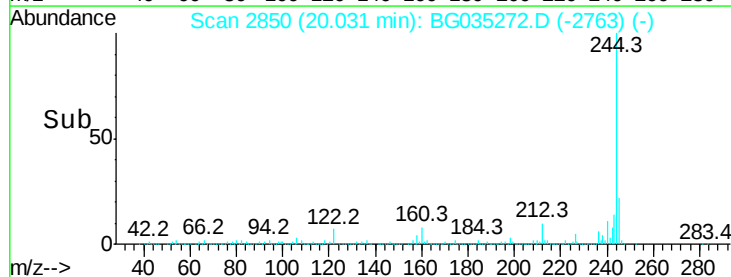
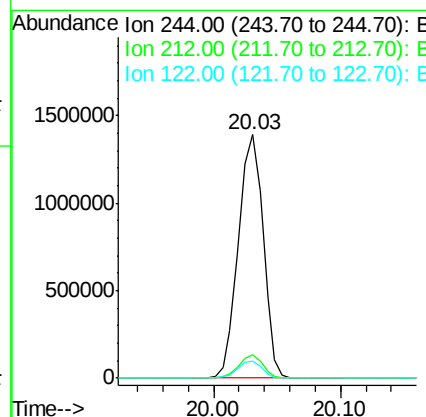
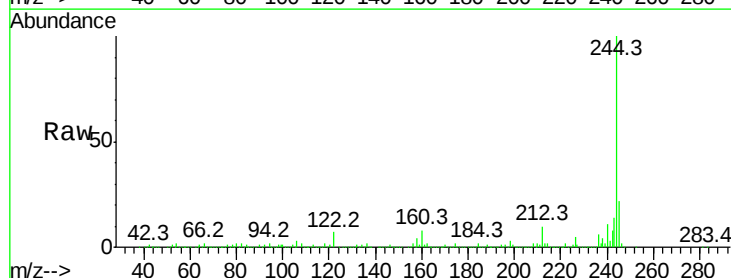
Instrument :
BNA_G
ClientSampleId :

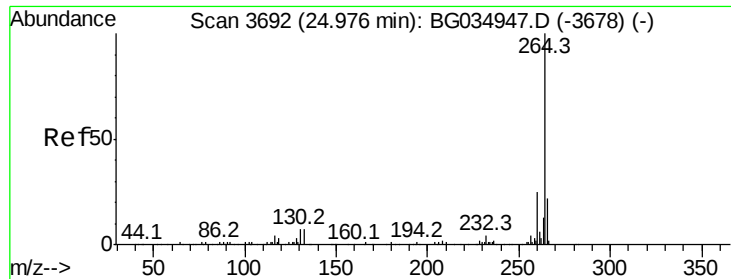
Tot Ion:184 Resp: 32951
Ion Ratio Lower Upper
184 100
185 19.9 11.1 16.7#
183 8.0 10.6 16.0#



#78
Terphenyl-d14
Concen: 90.204 ng
RT: 20.03 min Scan# 2850
Delta R.T. -0.02 min
Lab File: BG035272.D
Acq: 20 Jun 2018 18:55

Tgt Ion:244 Resp: 1880787
Ion Ratio Lower Upper
244 100
212 9.7 5.8 8.8#
122 6.8 7.0 10.4#

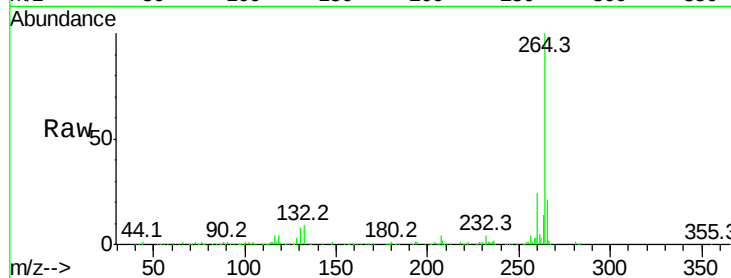




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3681
 Delta R.T. -0.04 min
 Lab File: BG035272.D
 Acq: 20 Jun 2018 18:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	21.2	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

