

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062118\
 Data File : BG035321.D
 Acq On : 22 Jun 2018 6:20
 Operator : JU/SJ
 Sample : J3603-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 22 08:45:15 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

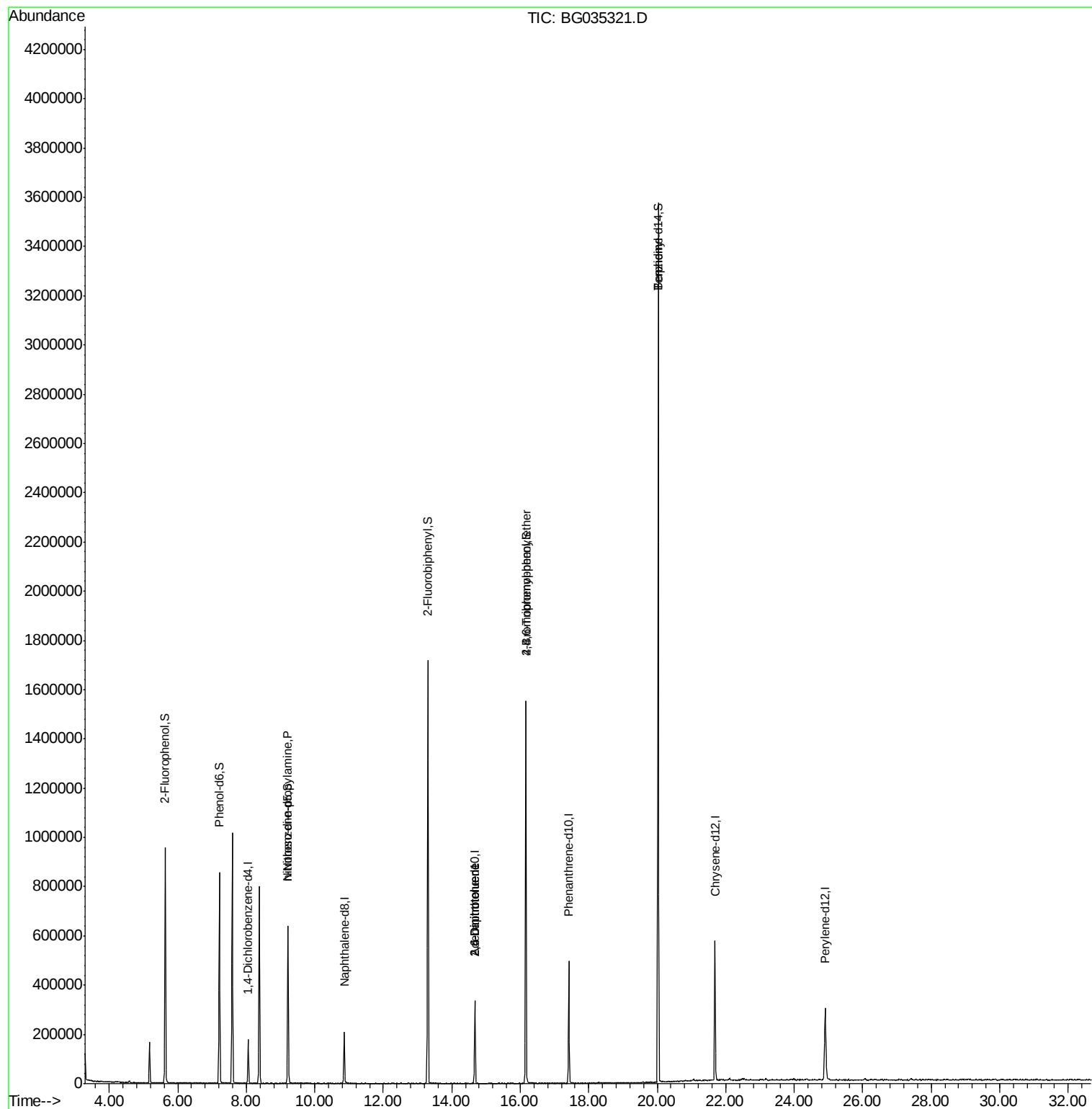
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	50447	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	169555	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	117639	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	325779	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	363485	20.00	ng	-0.03
86) Perylene-d12	24.90	264	342477	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	416271	139.26	ng	-0.01
7) Phenol-d6	7.22	99	534536	121.16	ng	0.00
23) Nitrobenzene-d5	9.21	82	424564	119.03	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	287177	190.70	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	933702	103.18	ng	-0.02
78) Terphenyl-d14	20.02	244	1796555	103.53	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	58554	15.621	ng	# 65
50) 2,6-Dinitrotoluene	14.68	165	16775	8.963	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	16775	6.748	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	23538	6.000	ng	# 1
76) Benzidine	20.03	184	29926	2.213	ng	# 95

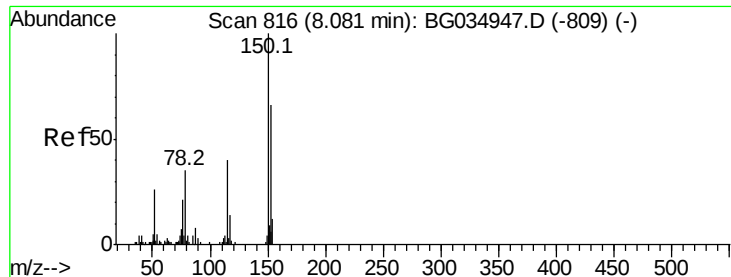
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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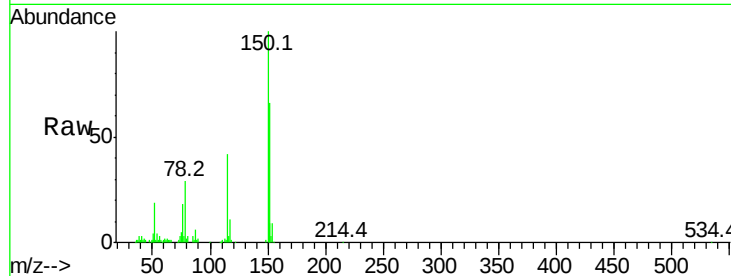


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	126.6	189.8
115	62.8	53.0	79.4

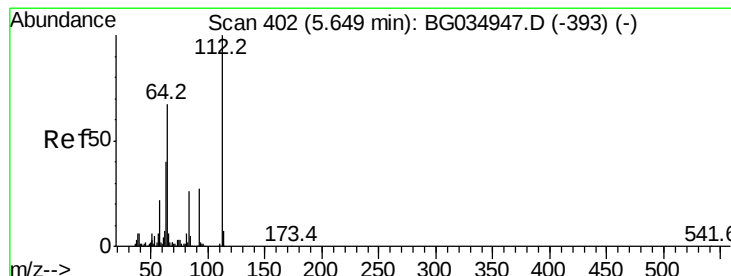
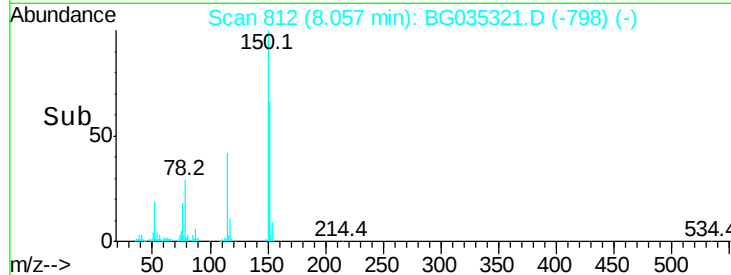
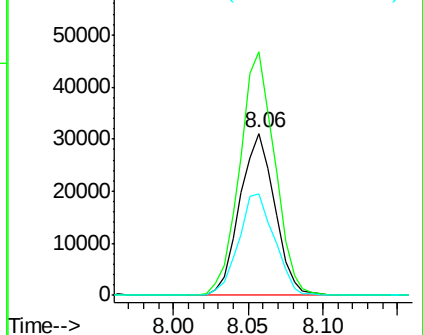


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

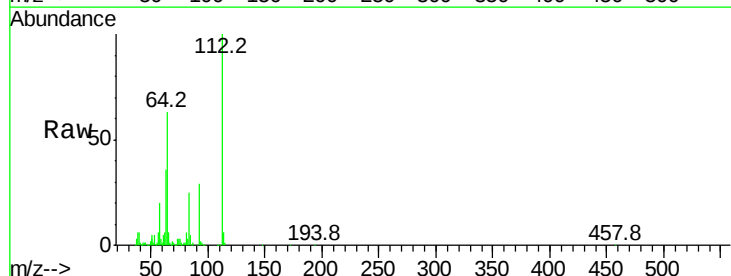
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 139.255 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	56.3	84.5
63	35.6	30.1	45.1

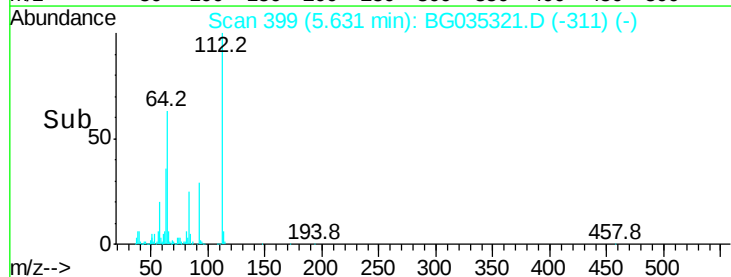
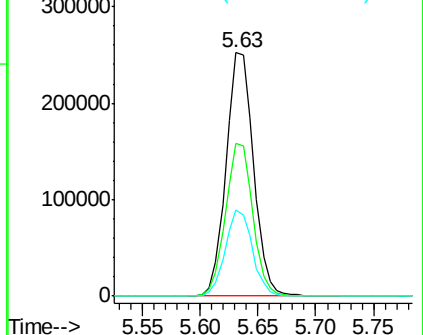


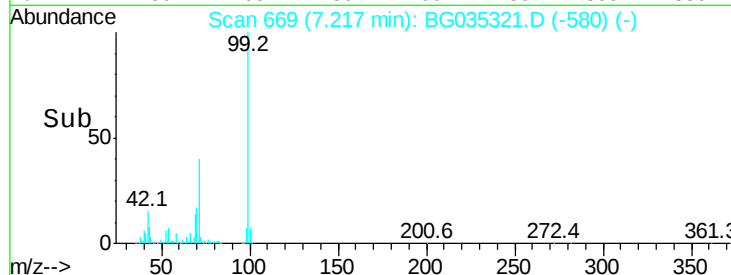
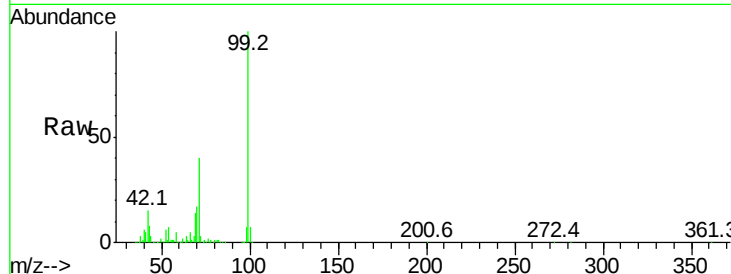
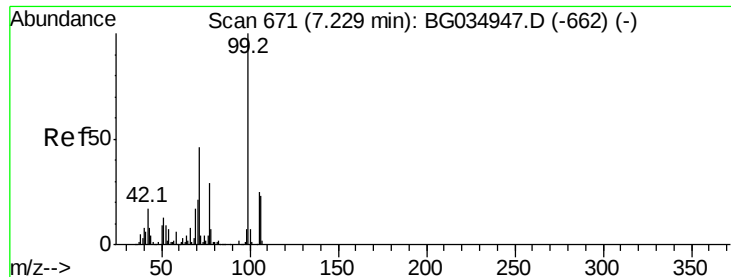
Abundance

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: 121.156 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

Instrument :

BNA_G

ClientSampleId :

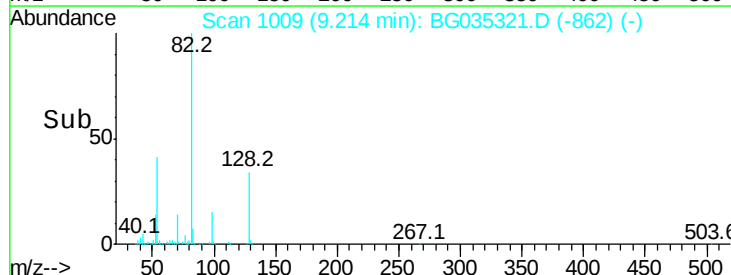
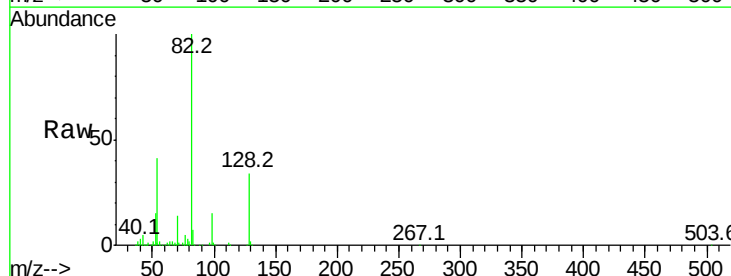
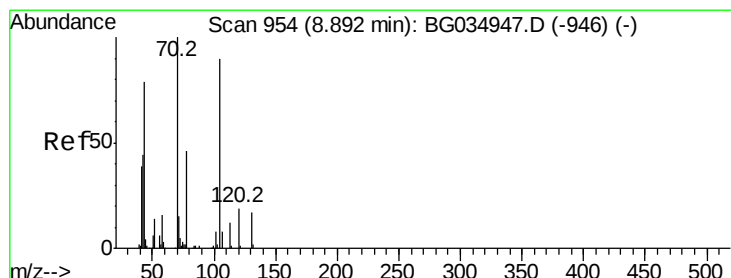
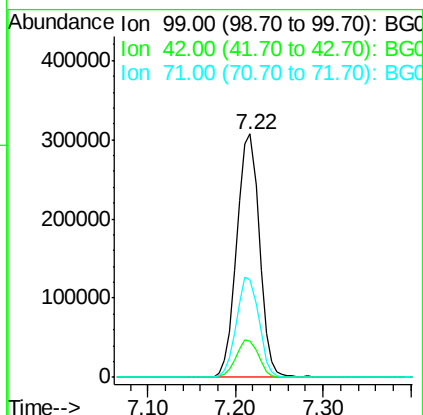
Tot Ion: 99 Resp: 534536

Ion Ratio Lower Upper

99 100

42 14.9 14.1 21.1

71 40.0 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.621 ng

RT: 9.21 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

Tgt Ion: 70 Resp: 58554

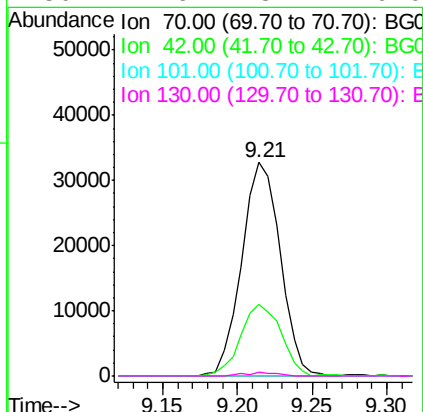
Ion Ratio Lower Upper

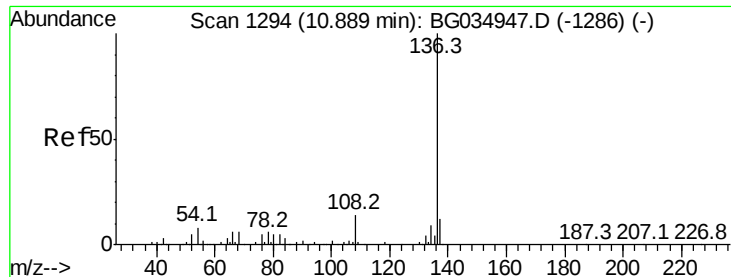
70 100

42 33.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

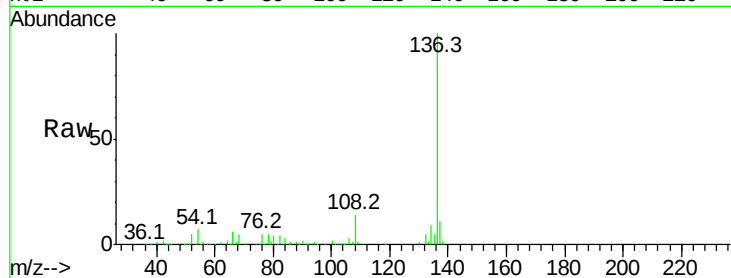




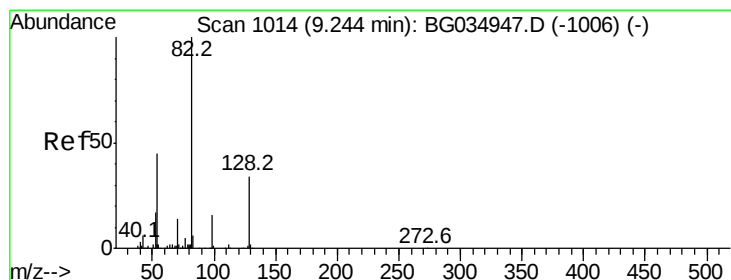
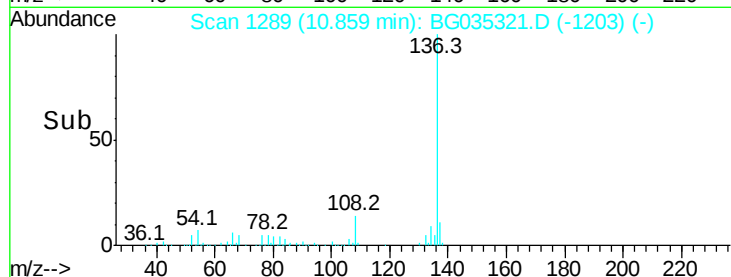
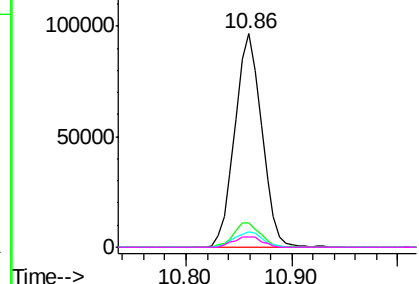
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	169555
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.0	10.3	15.5#
68	4.8	4.5	6.7

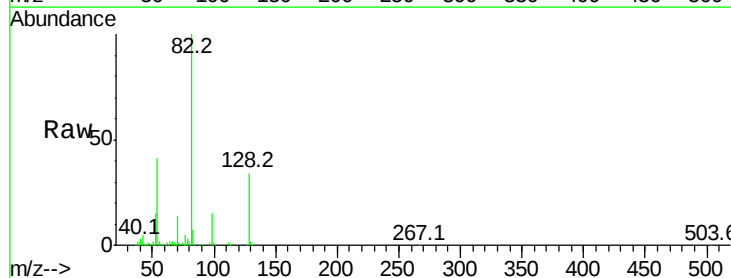


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

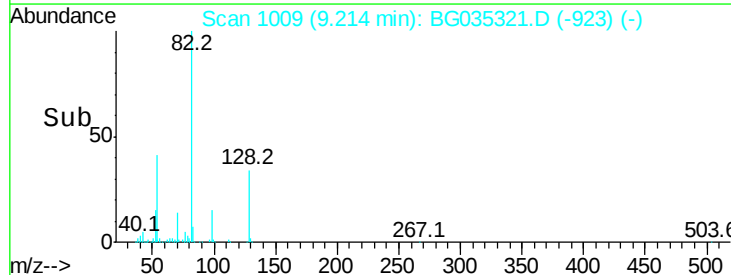
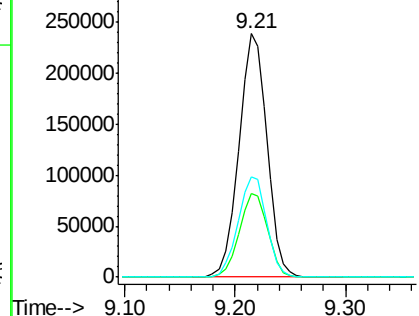


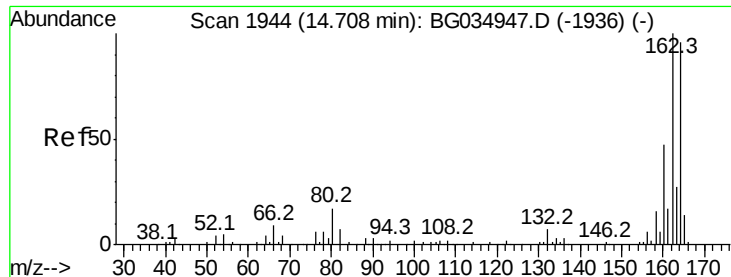
#23
Nitrobenzene-d5
Concen: 119.026 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

Tgt Ion:	82	Resp:	424564
Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.7	44.5
54	41.1	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: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

Instrument :

BNA_G

ClientSampleId :

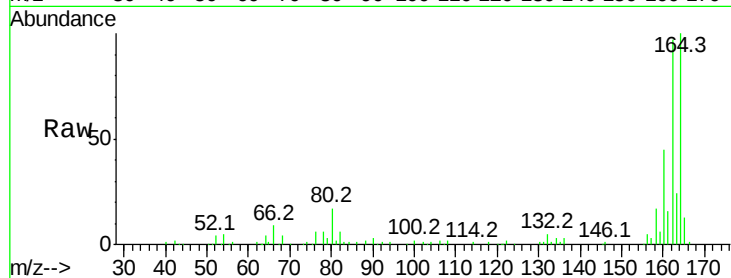
Tot Ion:164 Resp: 117639

Ion Ratio Lower Upper

164 100

162 96.5 78.8 118.2

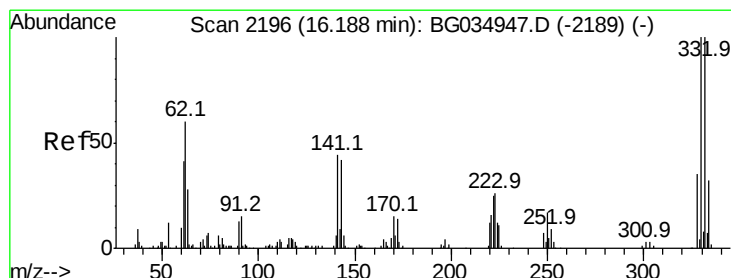
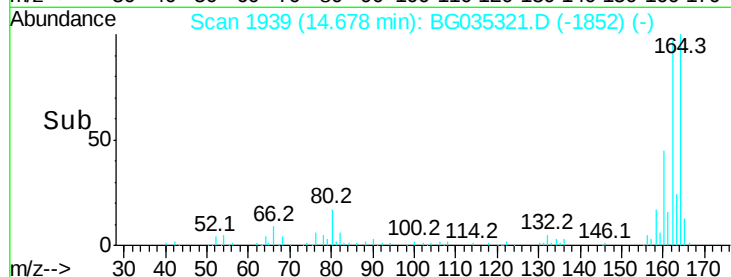
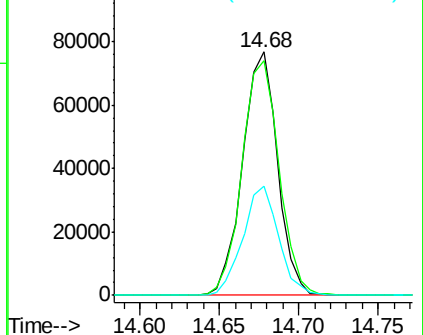
160 44.6 35.4 53.0



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: 190.698 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035321.D

Acq: 22 Jun 2018 6:20

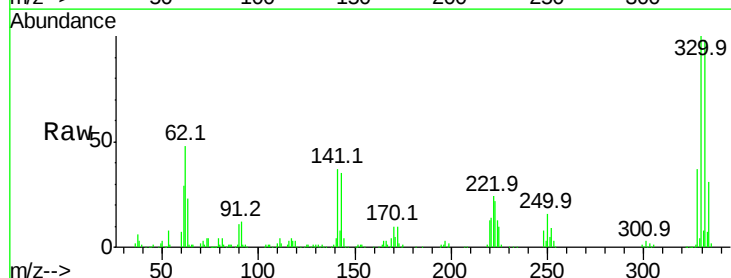
Tgt Ion:330 Resp: 287177

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

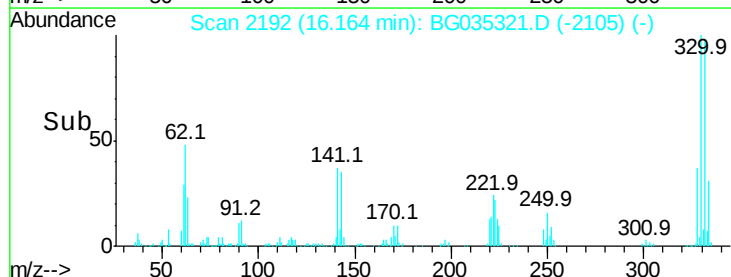
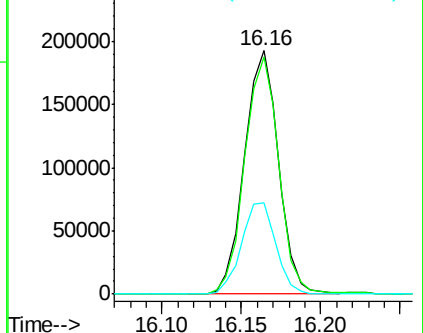
141 38.0 25.2 37.8#

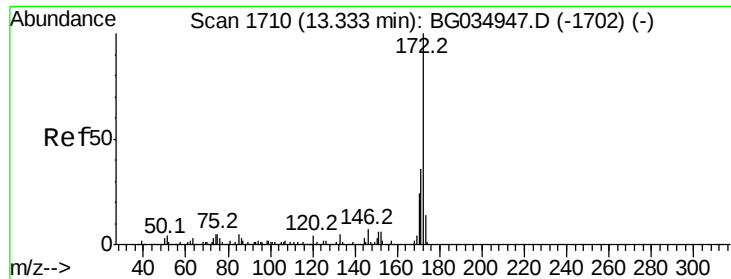


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

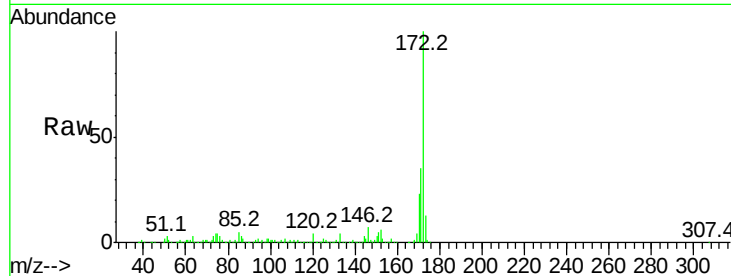




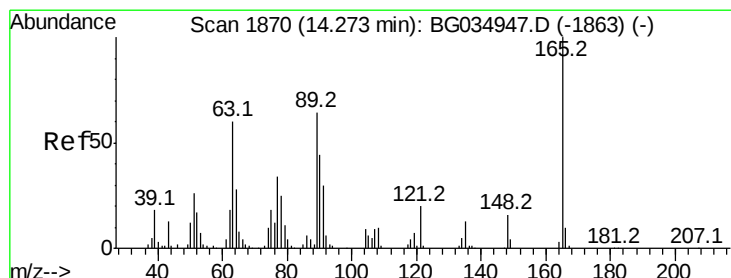
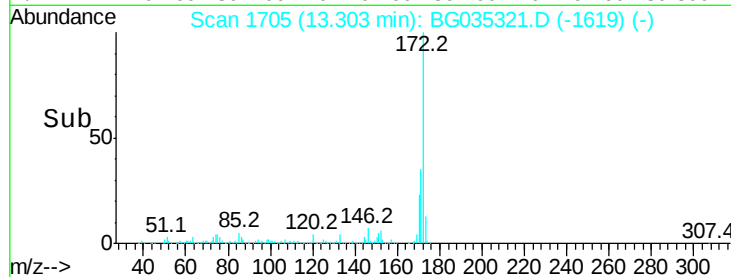
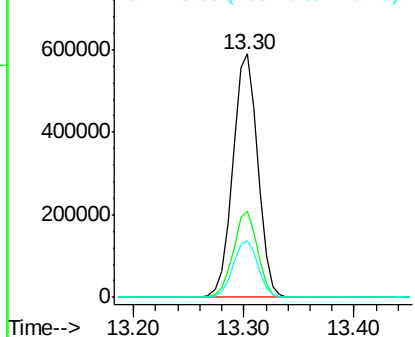
#44
2-Fluorobiphenyl
Concen: 103.181 ng
RT: 13.30 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 933702
Ion Ratio Lower Upper
172 100
171 35.4 30.0 45.0
170 23.4 19.5 29.3

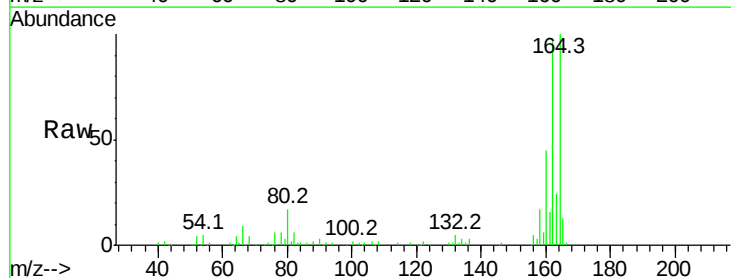


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

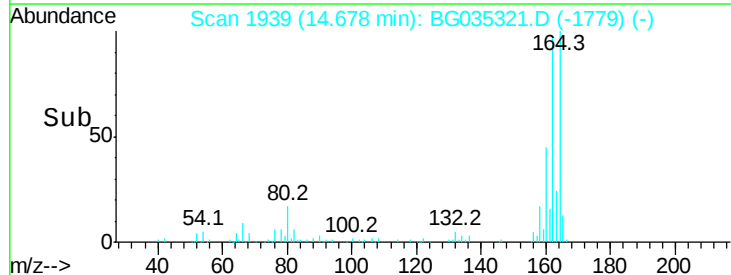
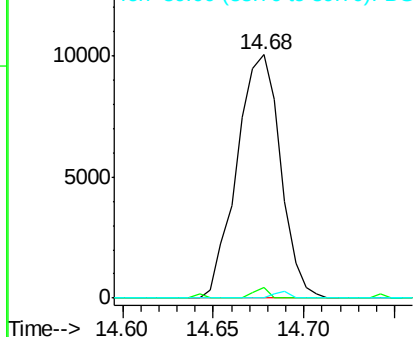


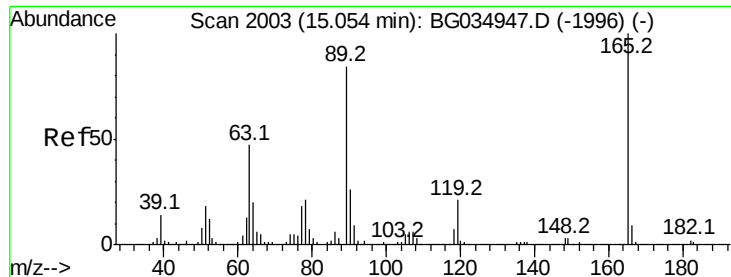
#50
2,6-Dinitrotoluene
Concen: 8.963 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.41 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

Tgt Ion:165 Resp: 16775
Ion Ratio Lower Upper
165 100
63 4.6 52.7 79.1#
89 0.0 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

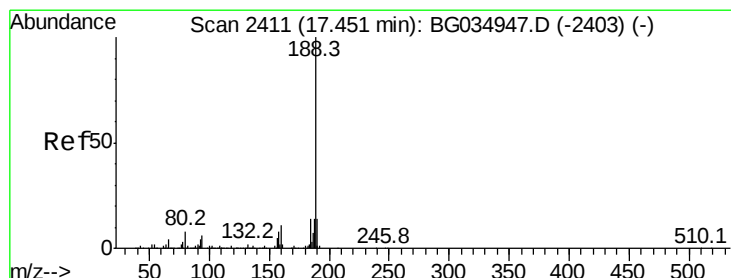
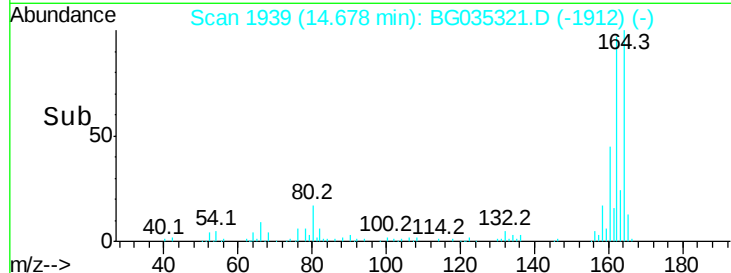
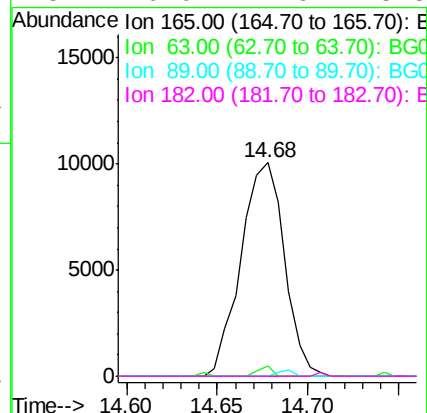
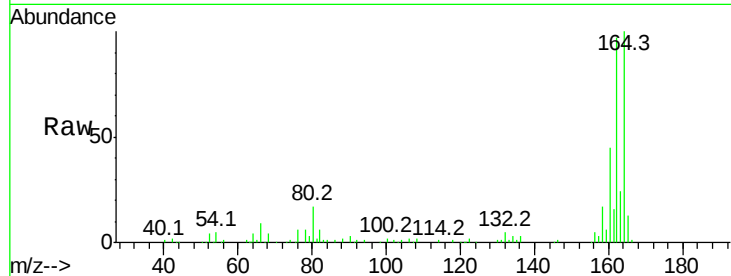




#56
 2,4-Dinitrotoluene
 Concen: 6.748 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035321.D
 Acq: 22 Jun 2018 6:20

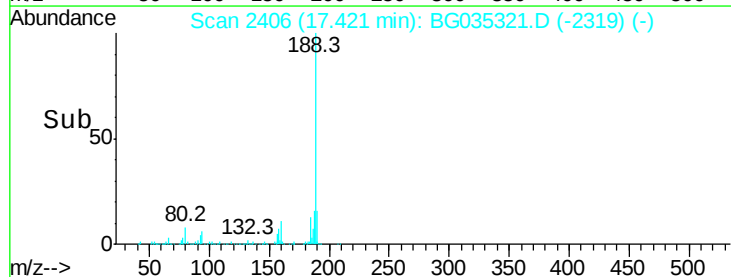
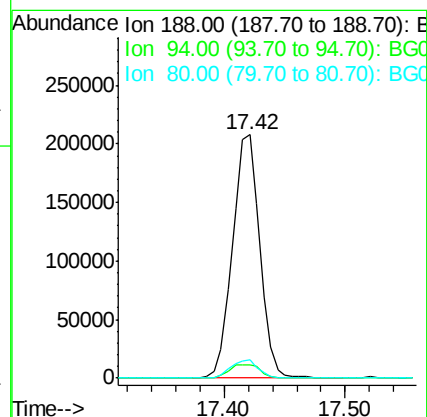
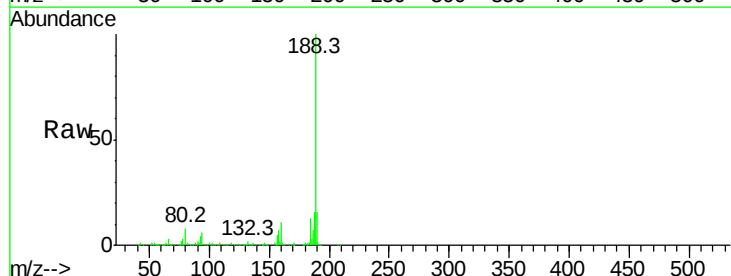
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	4.6	42.0	63.0#
89	0.0	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: BG035321.D
 Acq: 22 Jun 2018 6:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	6.9	10.3#
80	7.5	7.7	11.5#

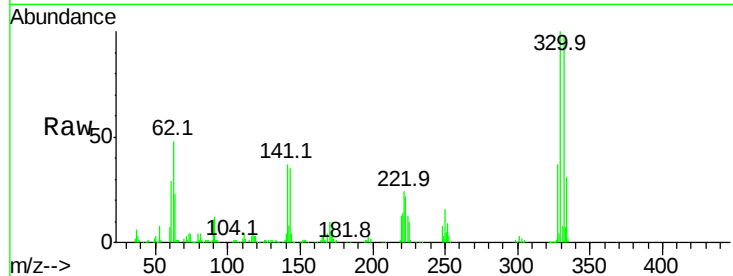




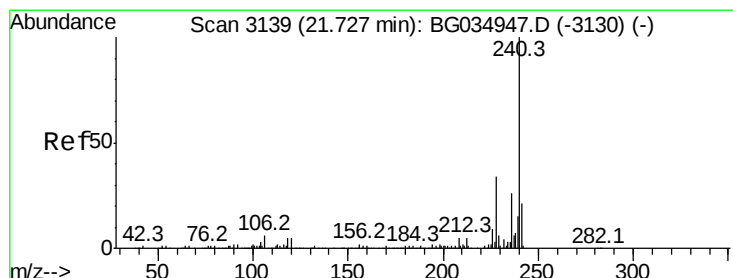
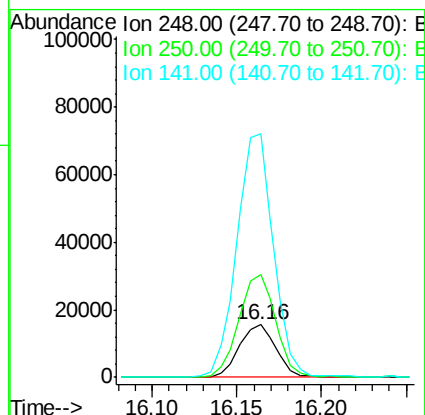
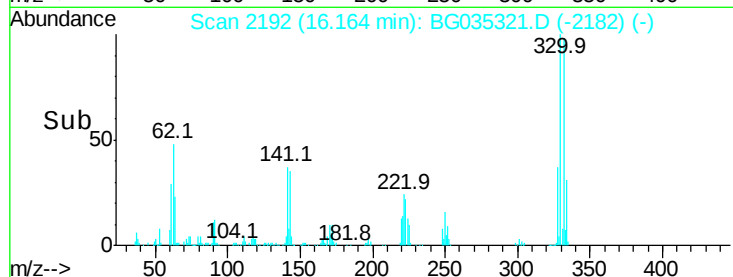
#66
4-Bromophenyl-phenylether
Concen: 6.000 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 23538
Ion Ratio Lower Upper
248 100
250 194.1 77.1 115.7#
141 461.0 50.8 76.2#

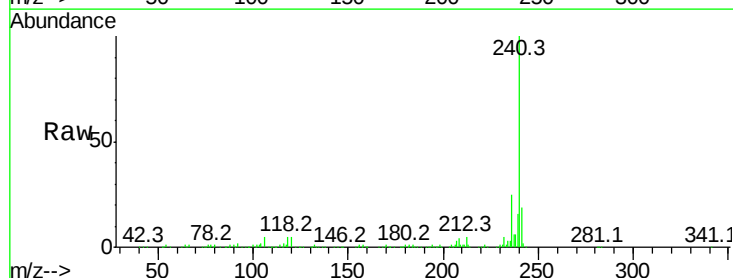


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

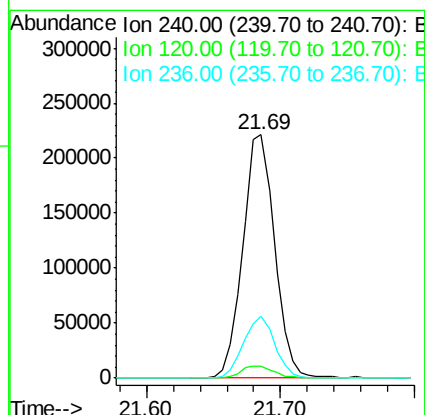
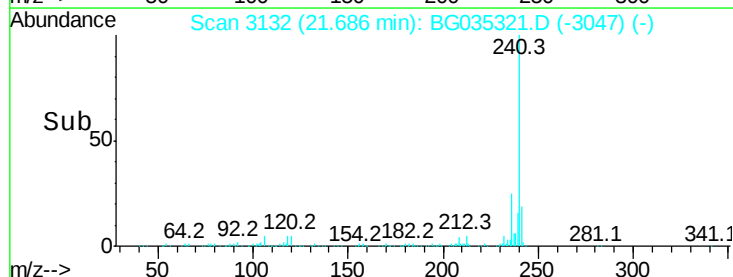


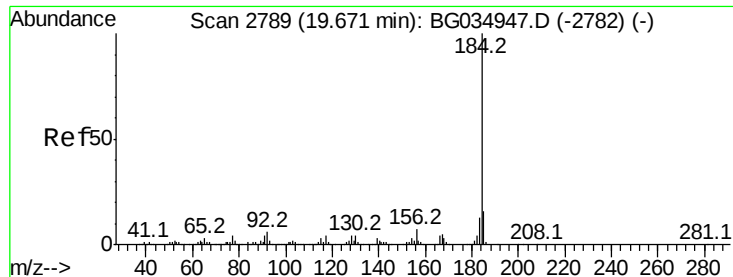
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.03 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

Tgt Ion:240 Resp: 363485
Ion Ratio Lower Upper
240 100
120 4.8 6.8 10.2#
236 25.3 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

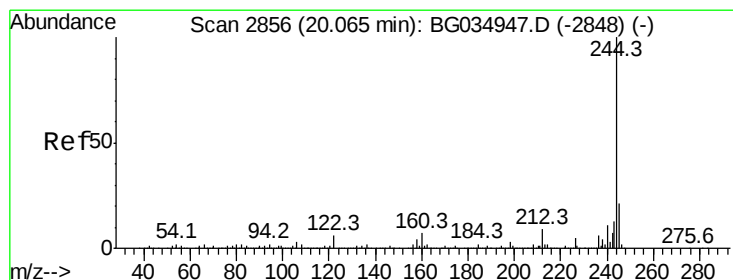
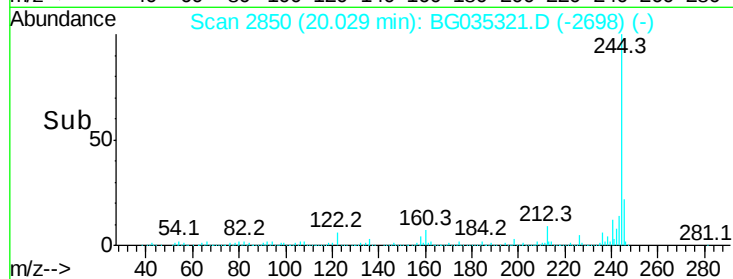
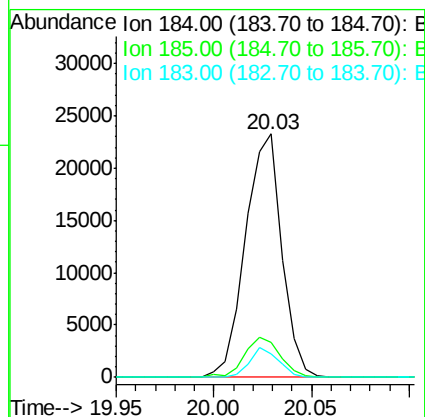
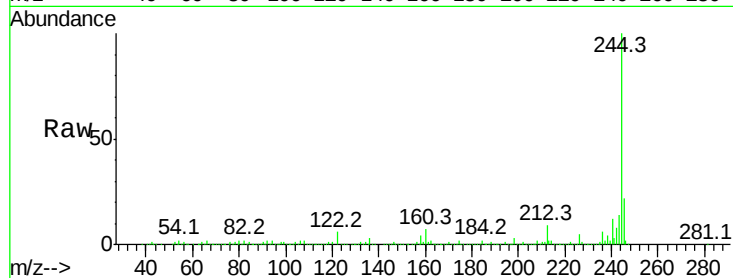




#76
Benzidine
Concen: 2.213 ng
RT: 20.03 min Scan# 2850
Delta R.T. 0.36 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

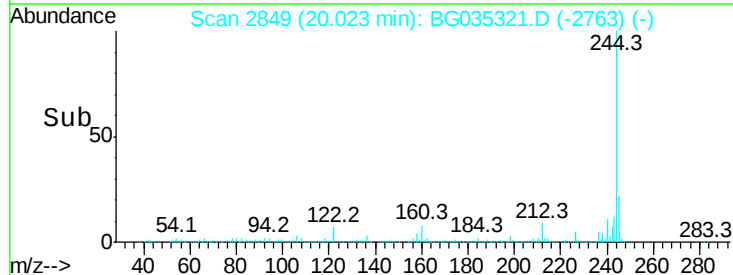
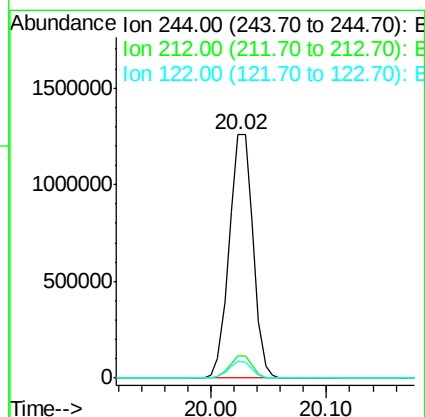
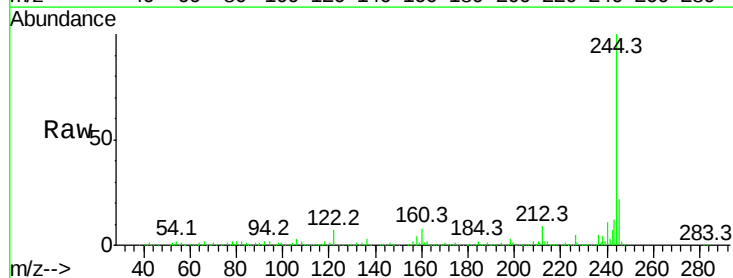
Instrument :
BNA_G
ClientSampleId :

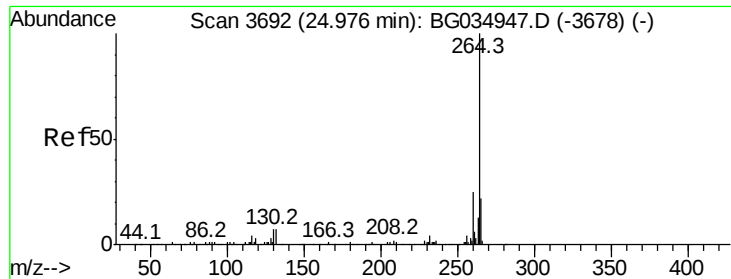
Tot Ion:184 Resp: 29926
Ion Ratio Lower Upper
184 100
185 14.5 11.1 16.7
183 9.7 10.6 16.0#



#78
Terphenyl-d14
Concen: 103.531 ng
RT: 20.02 min Scan# 2849
Delta R.T. -0.02 min
Lab File: BG035321.D
Acq: 22 Jun 2018 6:20

Tgt Ion:244 Resp: 1796555
Ion Ratio Lower Upper
244 100
212 9.1 5.8 8.8#
122 7.2 7.0 10.4

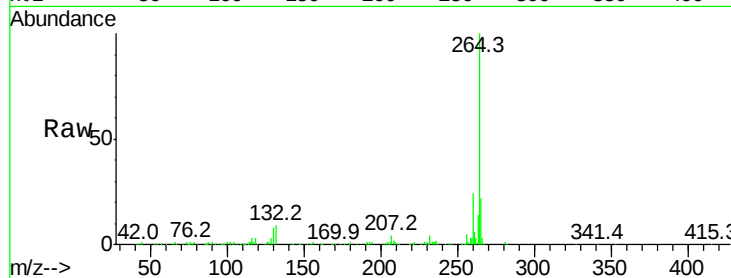




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3680
 Delta R.T. -0.05 min
 Lab File: BG035321.D
 Acq: 22 Jun 2018 6:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	21.9	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

