

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035200.D
 Acq On : 16 Jun 2018 9:53
 Operator : SJ/JU
 Sample : J3241-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:18:46 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

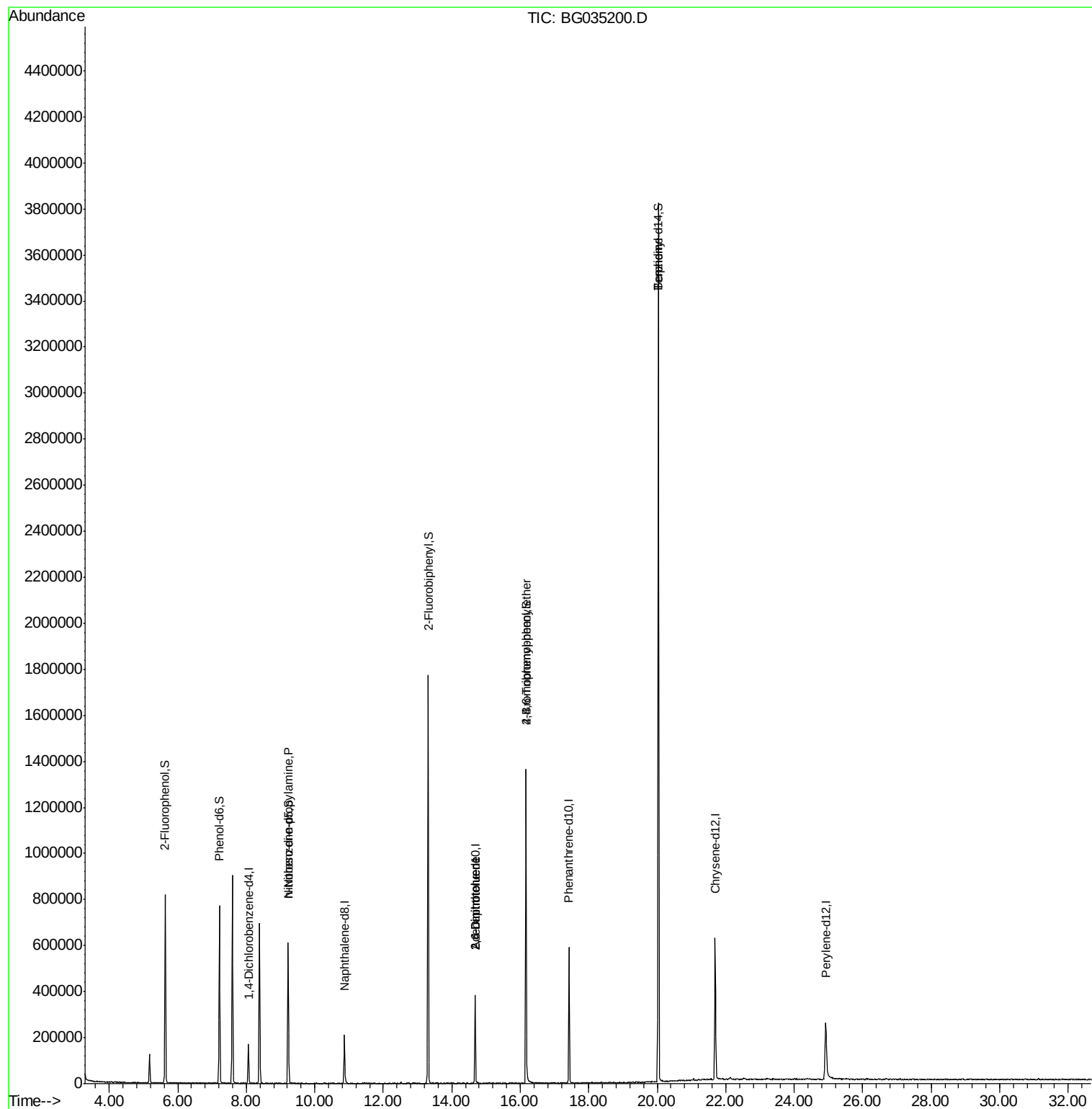
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44693	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	175934	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	133395	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	376720	20.00	ng	-0.01
75) Chrysene-d12	21.69	240	409965	20.00	ng	-0.02
86) Perylene-d12	24.92	264	336410	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	352332	133.04	ng	0.00
7) Phenol-d6	7.22	99	461091	117.96	ng	0.00
23) Nitrobenzene-d5	9.22	82	399398	107.91	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	263120	154.09	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	939958	91.60	ng	-0.02
78) Terphenyl-d14	20.04	244	1818935	92.94	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	56835	17.115	ng	# 69
50) 2,6-Dinitrotoluene	14.68	165	17868	8.420	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	17868	6.338	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	20991	4.627	ng	# 1
76) Benzidine	20.04	184	32061	2.102	ng	# 90

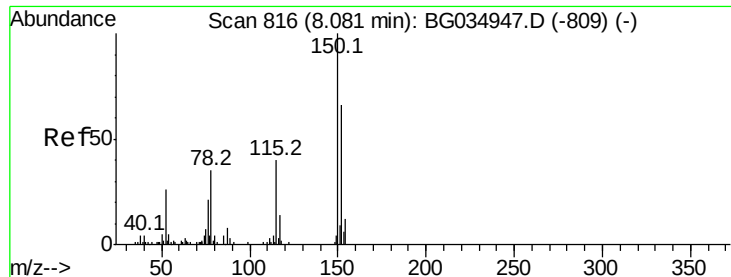
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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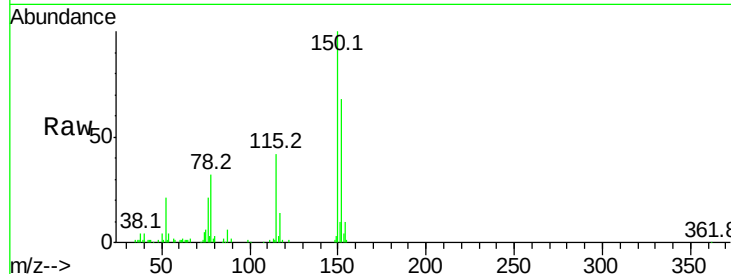


#1

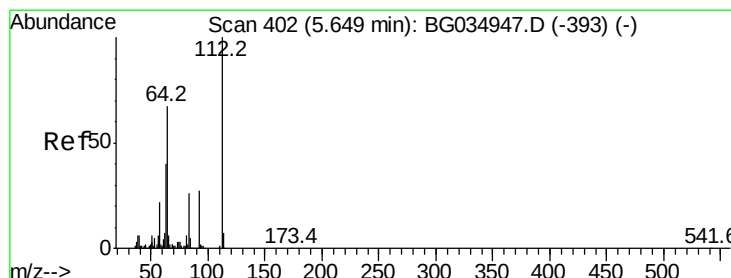
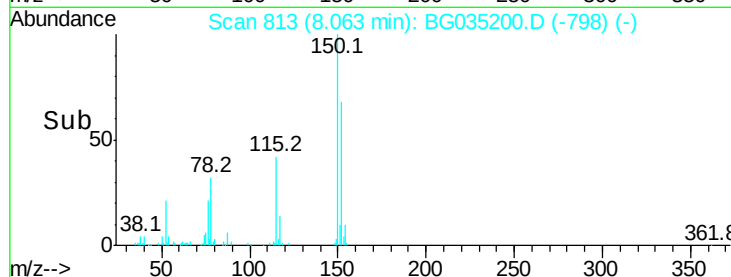
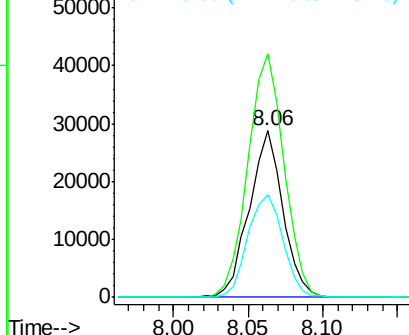
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.3	126.6	189.8
115	61.7	53.0	79.4



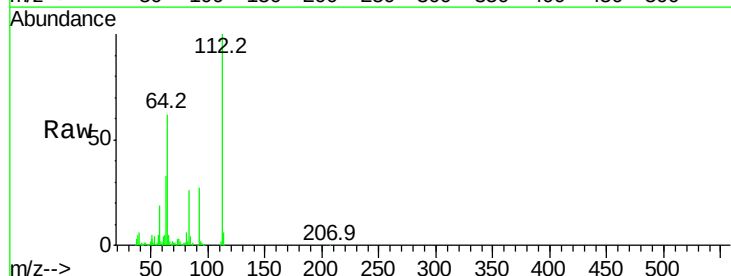
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



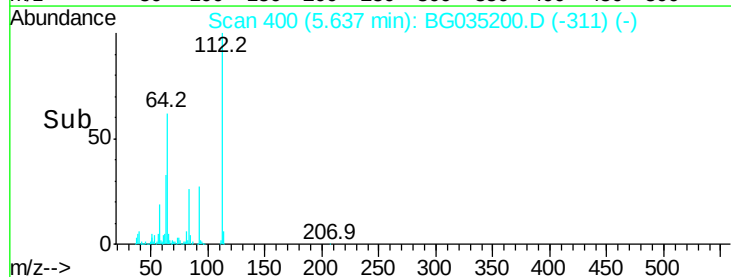
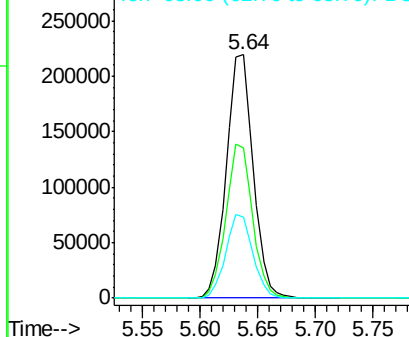
#5

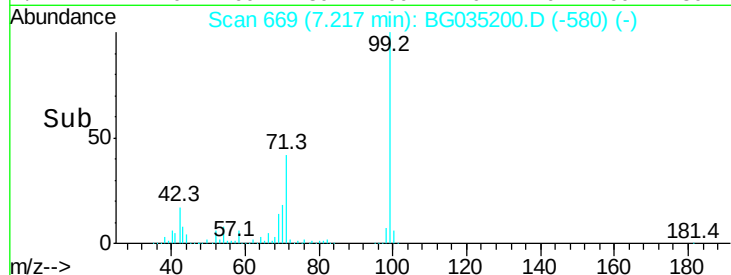
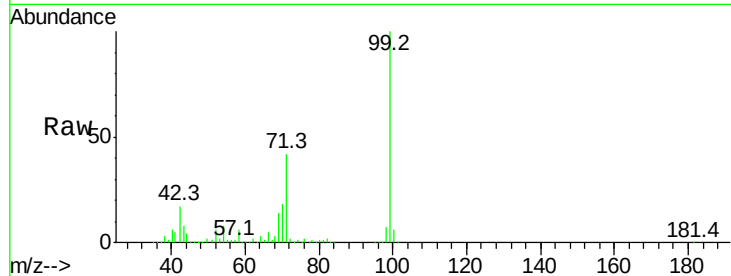
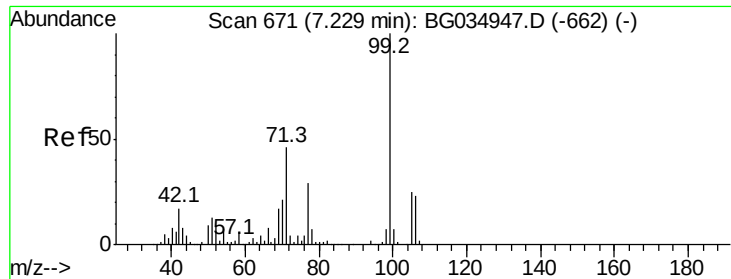
2-Fluorophenol
Concen: 133.041 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	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: 117.964 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035200.D

Acq: 16 Jun 2018 9:53

Instrument :

BNA_G

ClientSampleId :

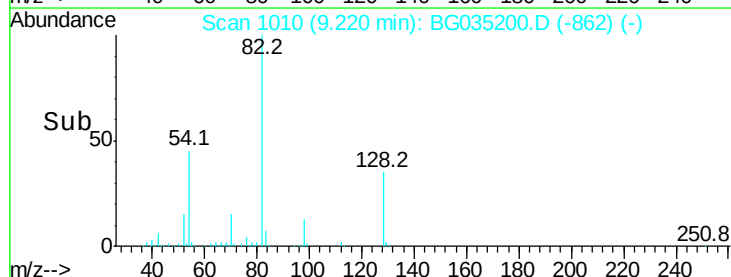
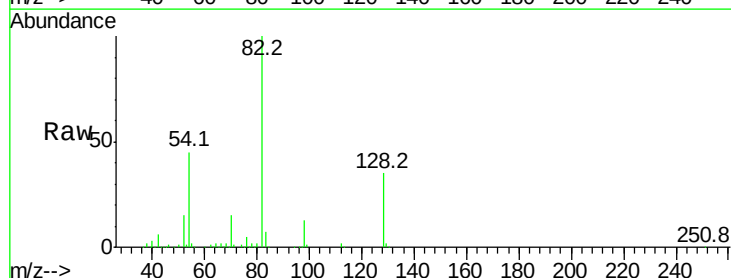
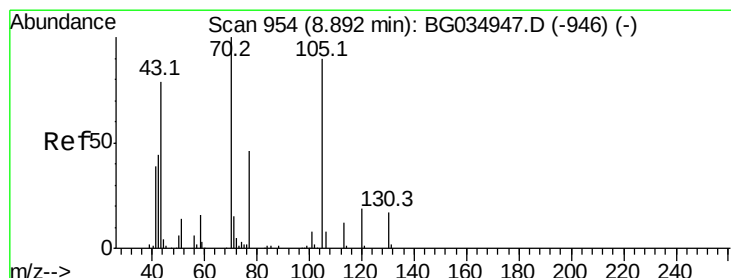
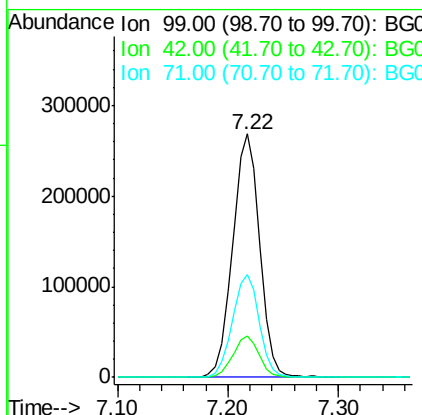
Tot Ion: 99 Resp: 461091

Ion Ratio Lower Upper

99 100

42 17.2 14.1 21.1

71 42.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.115 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035200.D

Acq: 16 Jun 2018 9:53

Tgt Ion: 70 Resp: 56835

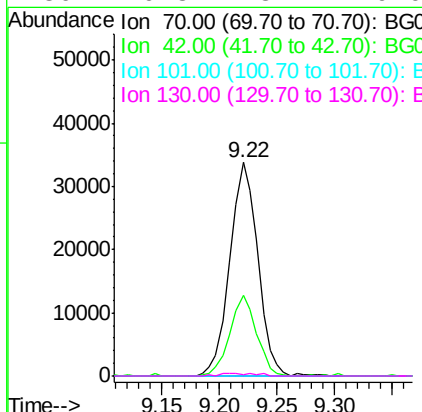
Ion Ratio Lower Upper

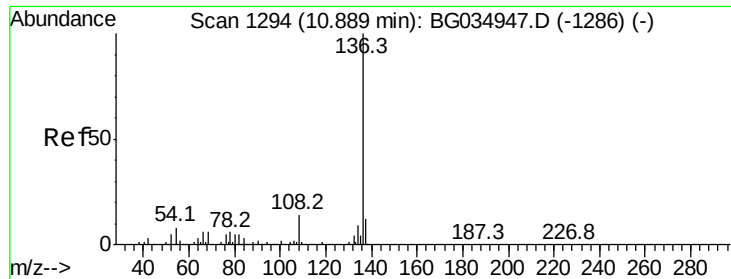
70 100

42 38.0 49.1 73.7#

101 0.0 8.5 12.7#

130 0.8 13.4 20.0#

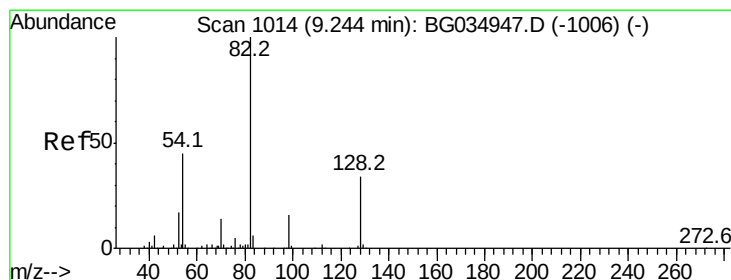
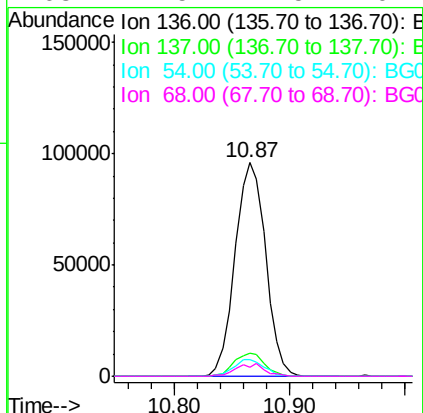
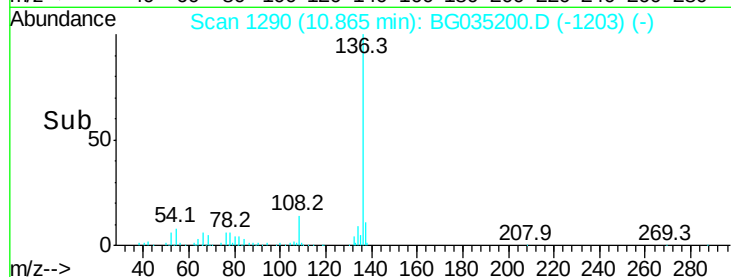
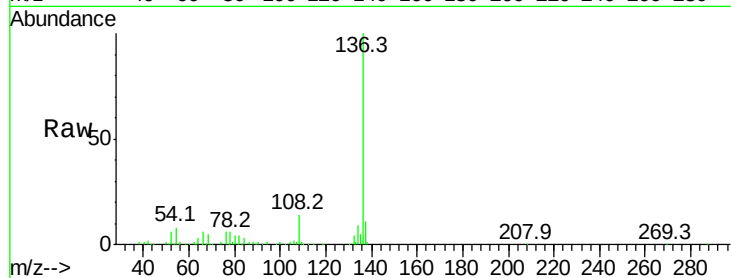




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

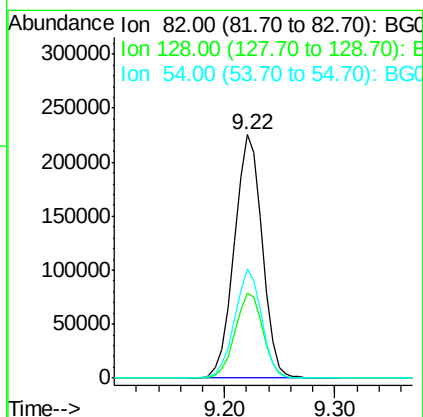
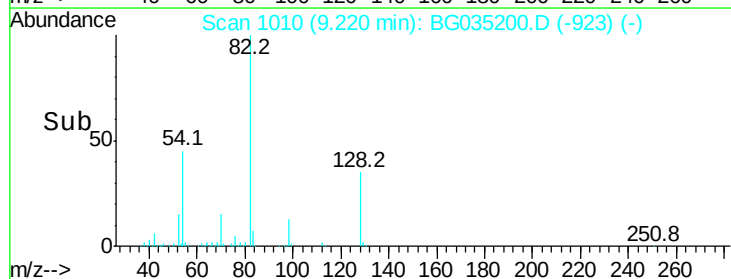
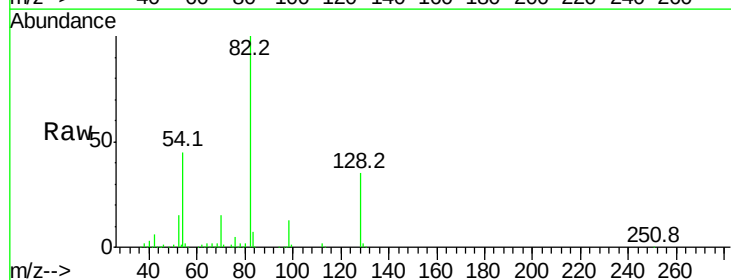
Instrument :
BNA_G
ClientSampled :

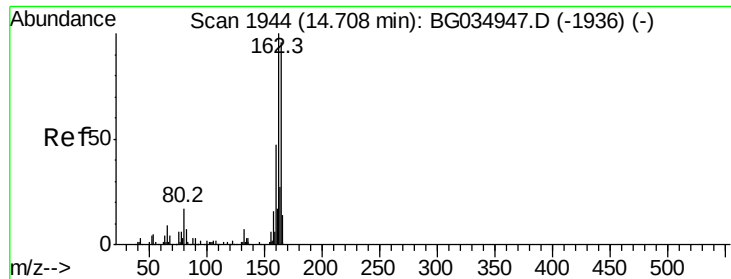
Tot Ion:	136	Resp:	175934
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.9	10.3	15.5
68	4.5	4.5	6.7



#23
Nitrobenzene-d5
Concen: 107.910 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

Tgt Ion:	82	Resp:	399398
Ion	Ratio	Lower	Upper
82	100		
128	34.7	29.7	44.5
54	45.1	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035200.D

Acq: 16 Jun 2018 9:53

Instrument :

BNA_G

ClientSampleId :

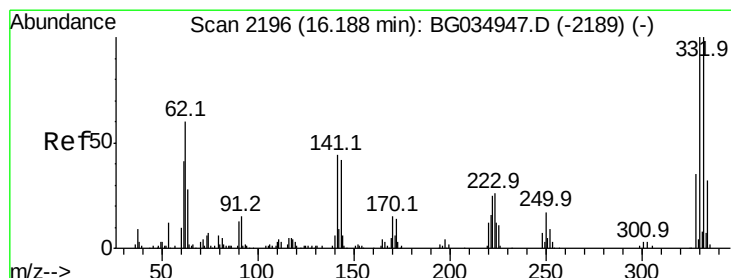
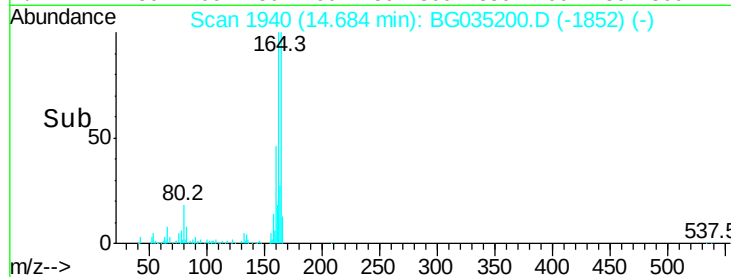
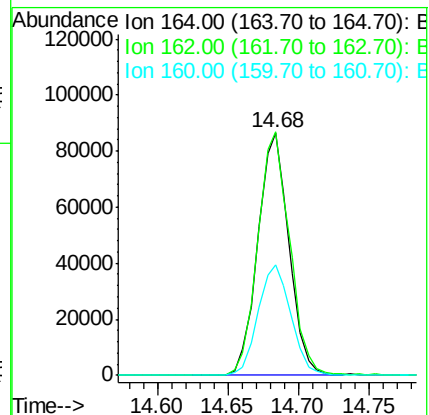
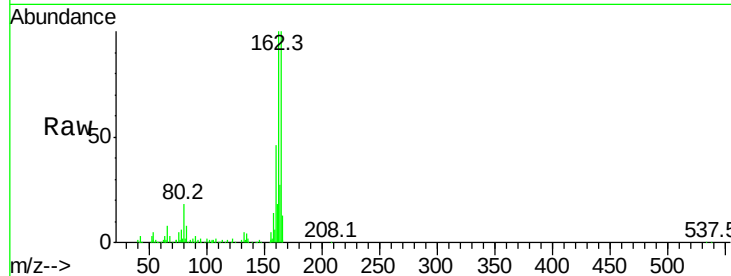
Tot Ion:164 Resp: 133395

Ion Ratio Lower Upper

164 100

162 100.2 78.8 118.2

160 45.6 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 154.085 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG035200.D

Acq: 16 Jun 2018 9:53

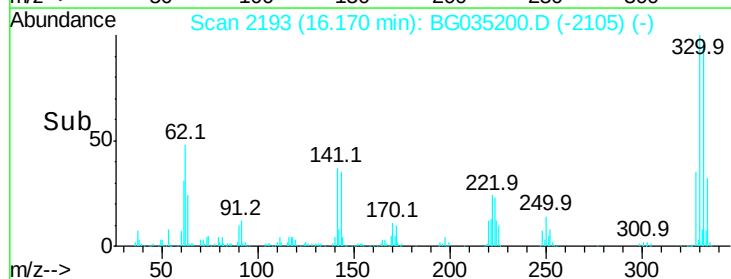
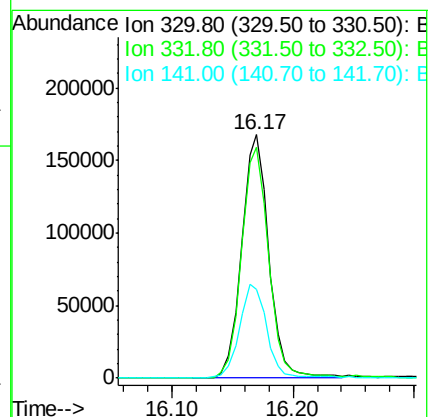
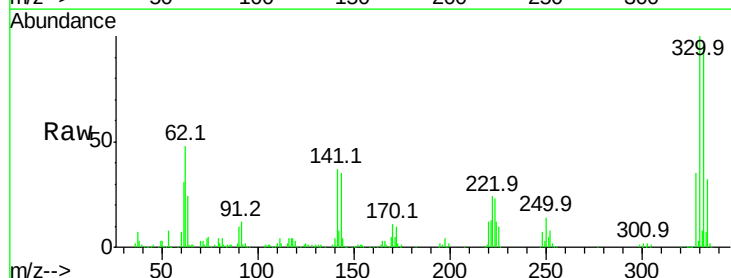
Tgt Ion:330 Resp: 263120

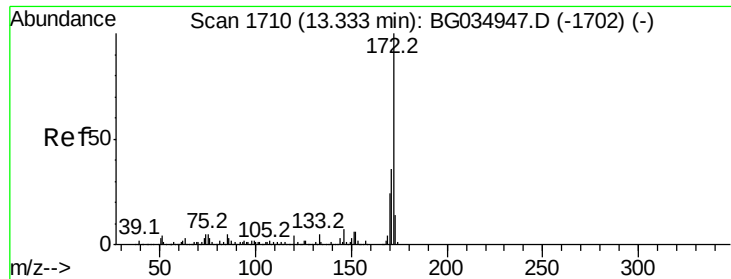
Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

141 38.2 25.2 37.8#

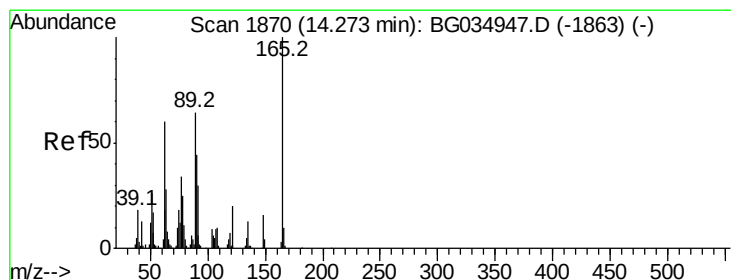
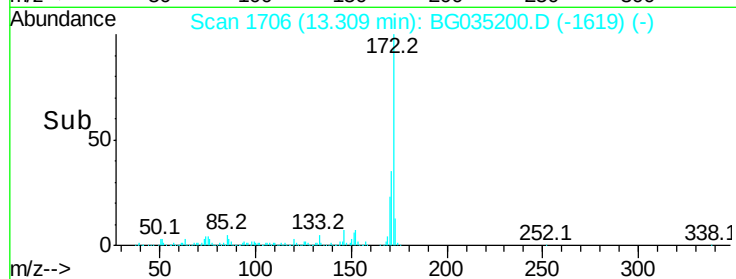
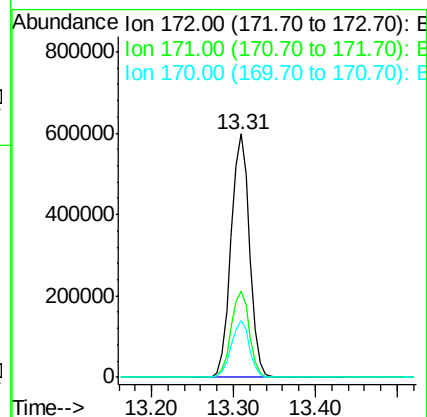
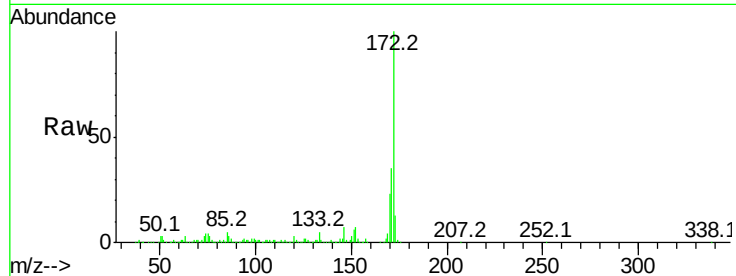




#44
2-Fluorobiphenyl
Concen: 91.603 ng
RT: 13.31 min Scan# 1706
Delta R.T. -0.02 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

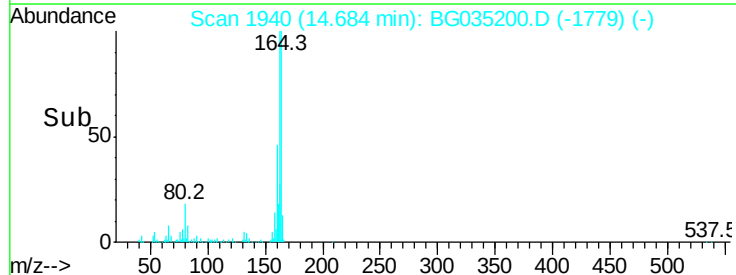
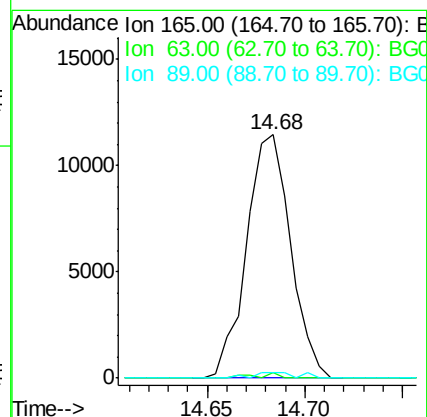
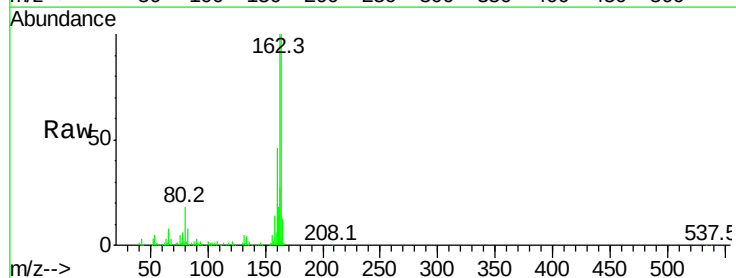
Instrument :
BNA_G
ClientSampleId :

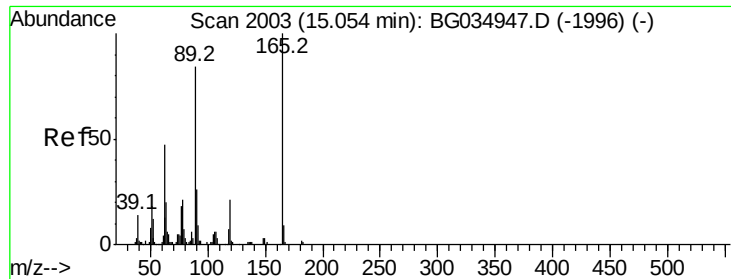
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.0	45.0
170	23.4	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 8.420 ng
RT: 14.68 min Scan# 1940
Delta R.T. 0.42 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	52.7	79.1#
89	2.5	49.2	73.8#

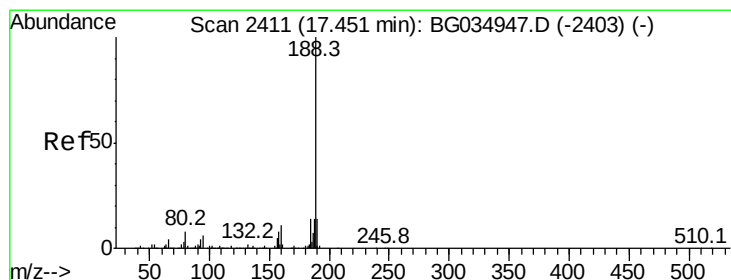
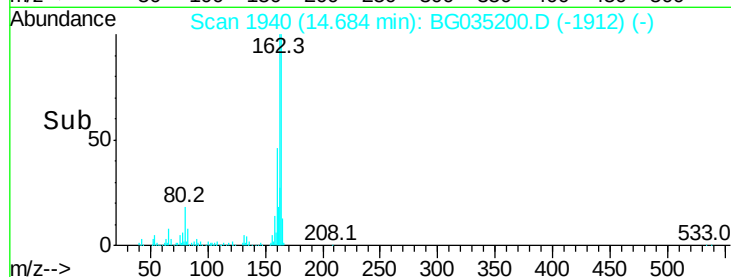
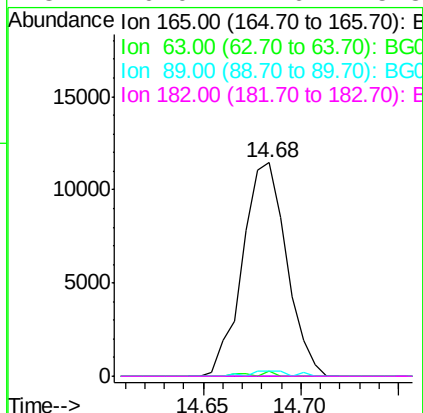
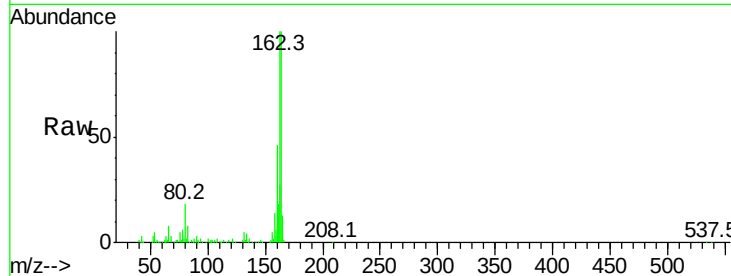




#56
2,4-Dinitrotoluene
Concen: 6.338 ng
RT: 14.68 min Scan# 1940
Delta R.T. -0.37 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

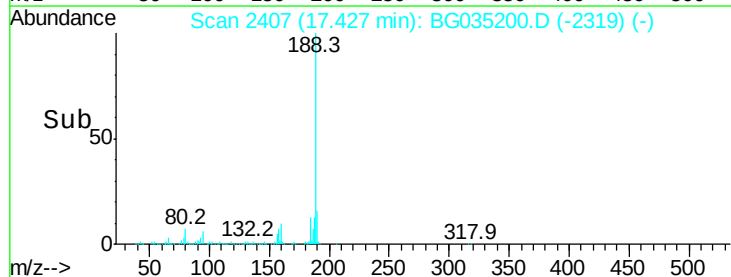
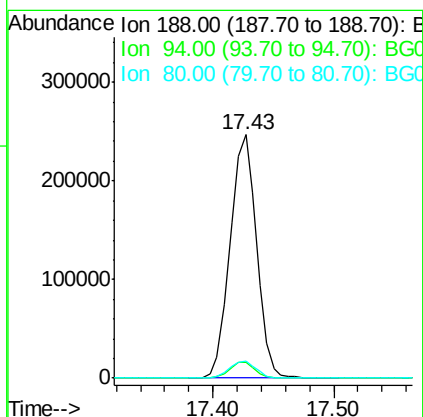
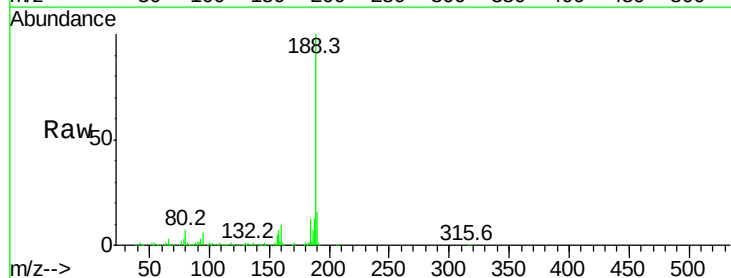
Instrument :
BNA_G
ClientSampleId :

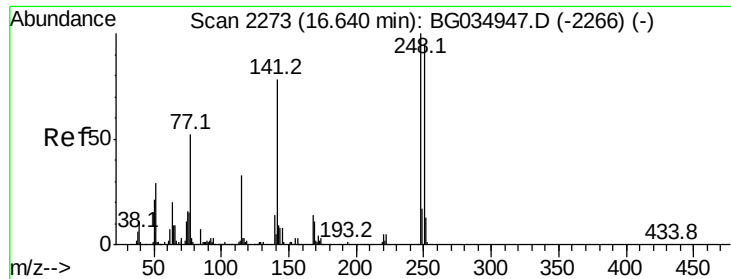
Tot Ion:165 Resp: 17868
Ion Ratio Lower Upper
165 100
63 2.2 42.0 63.0#
89 2.5 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

Tgt Ion:188 Resp: 376720
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 7.0 7.7 11.5#

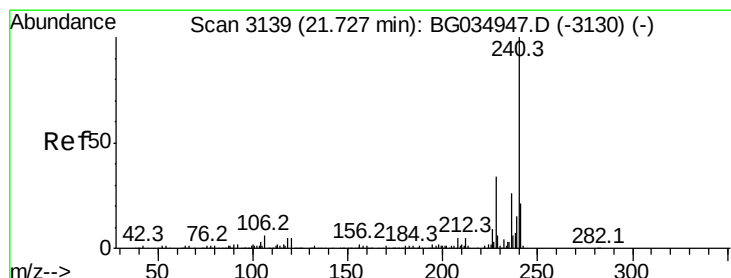
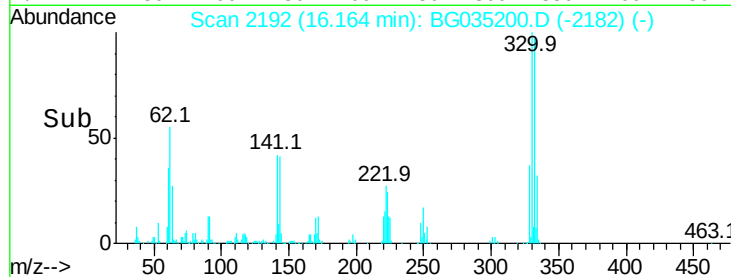
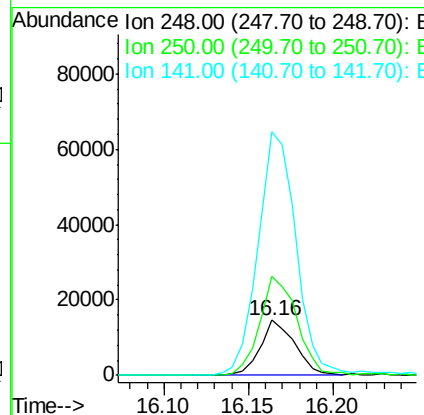
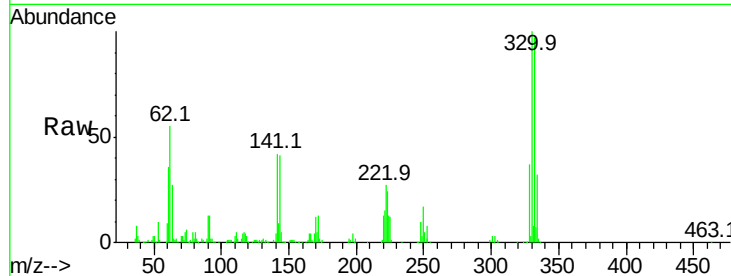




#66
 4-Bromophenyl-phenylether
 Concen: 4.627 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.47 min
 Lab File: BG035200.D
 Acq: 16 Jun 2018 9:53

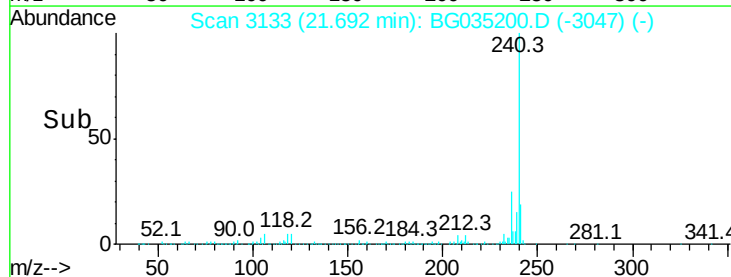
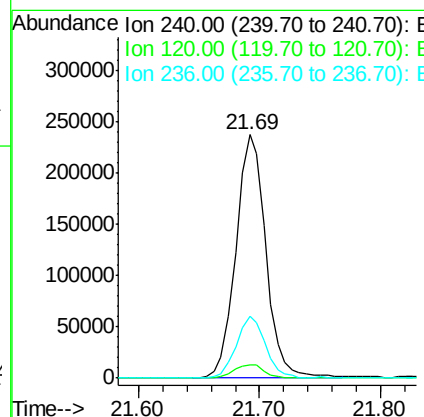
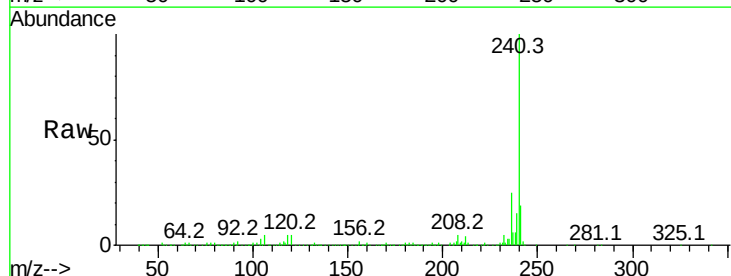
Instrument :
 BNA_G
 ClientSampleId :

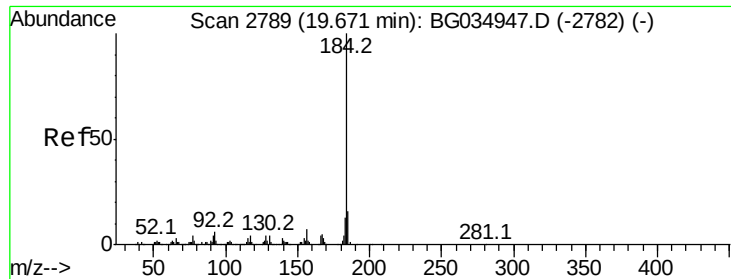
Tot Ion:248 Resp: 20991
 Ion Ratio Lower Upper
 248 100
 250 181.2 77.1 115.7#
 141 443.3 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3133
 Delta R.T. -0.02 min
 Lab File: BG035200.D
 Acq: 16 Jun 2018 9:53

Tgt Ion:240 Resp: 409965
 Ion Ratio Lower Upper
 240 100
 120 5.5 6.8 10.2#
 236 25.2 20.9 31.3

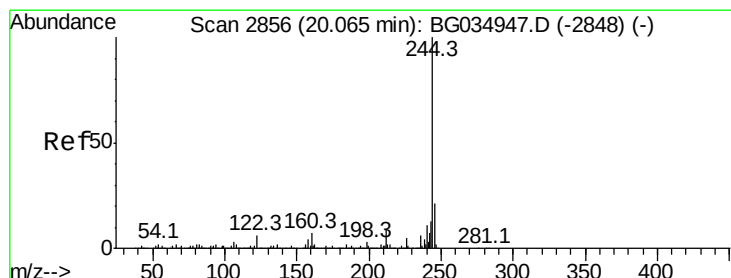
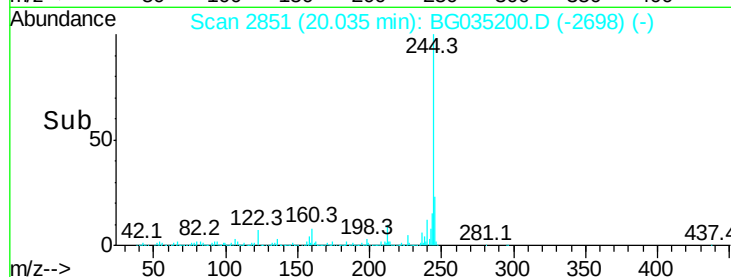
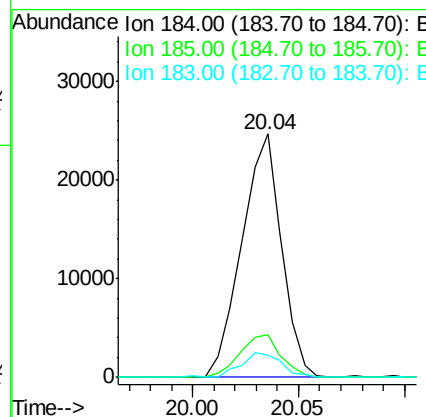
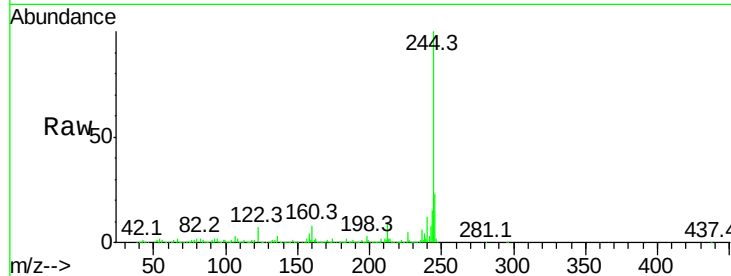




#76
Benzidine
Concen: 2.102 ng
RT: 20.04 min Scan# 2851
Delta R.T. 0.37 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

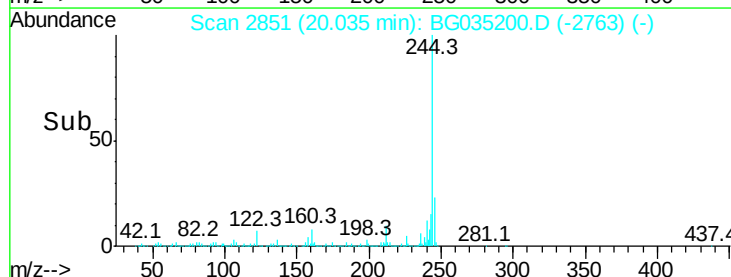
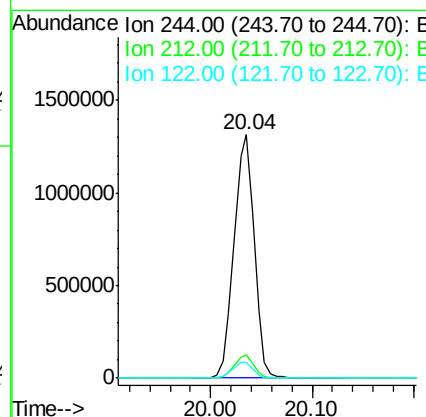
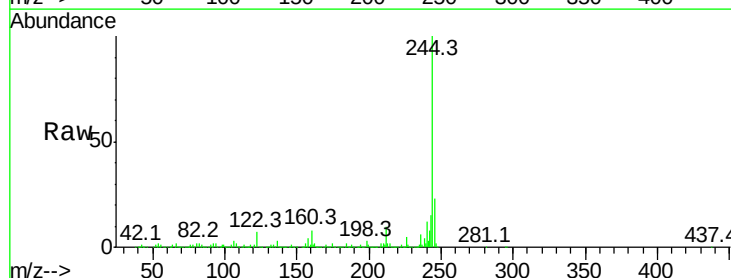
Instrument :
BNA_G
ClientSampleId :

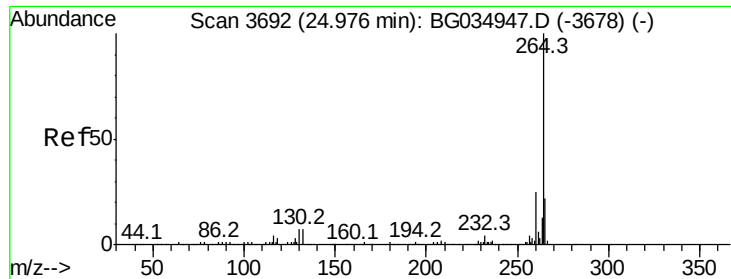
Tot Ion:184 Resp: 32061
Ion Ratio Lower Upper
184 100
185 17.4 11.1 16.7#
183 9.1 10.6 16.0#



#78
Terphenyl-d14
Concen: 92.937 ng
RT: 20.04 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BG035200.D
Acq: 16 Jun 2018 9:53

Tgt Ion:244 Resp: 1818935
Ion Ratio Lower Upper
244 100
212 9.5 5.8 8.8#
122 6.6 7.0 10.4#

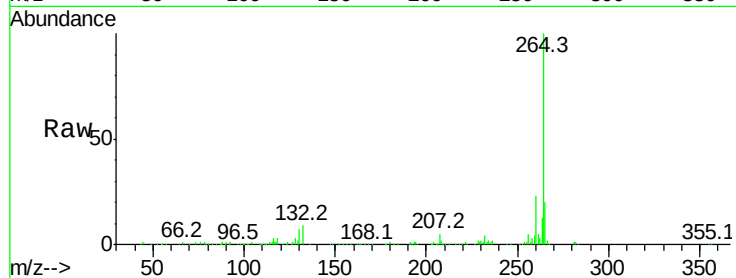




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3683
 Delta R.T. -0.03 min
 Lab File: BG035200.D
 Acq: 16 Jun 2018 9:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	19.8	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

