

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039681.D
 Acq On : 1 Mar 2019 5:34
 Operator : JU/SJ
 Sample : K1645-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 07:10:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 06:15:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	52846	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	226254	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	147226	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	355375	20.00	ng	0.00
76) Chrysene-d12	21.82	240	382026	20.00	ng	-0.01
87) Perylene-d12	25.19	264	364487	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	445327	144.23	ng	0.00
7) Phenol-d6	7.31	99	575644	126.65	ng	0.00
23) Nitrobenzene-d5	9.34	82	431592	119.17	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	226275	142.73	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	963440	93.88	ng	0.00
79) Terphenyl-d14	20.12	244	1596743	88.47	ng	0.00

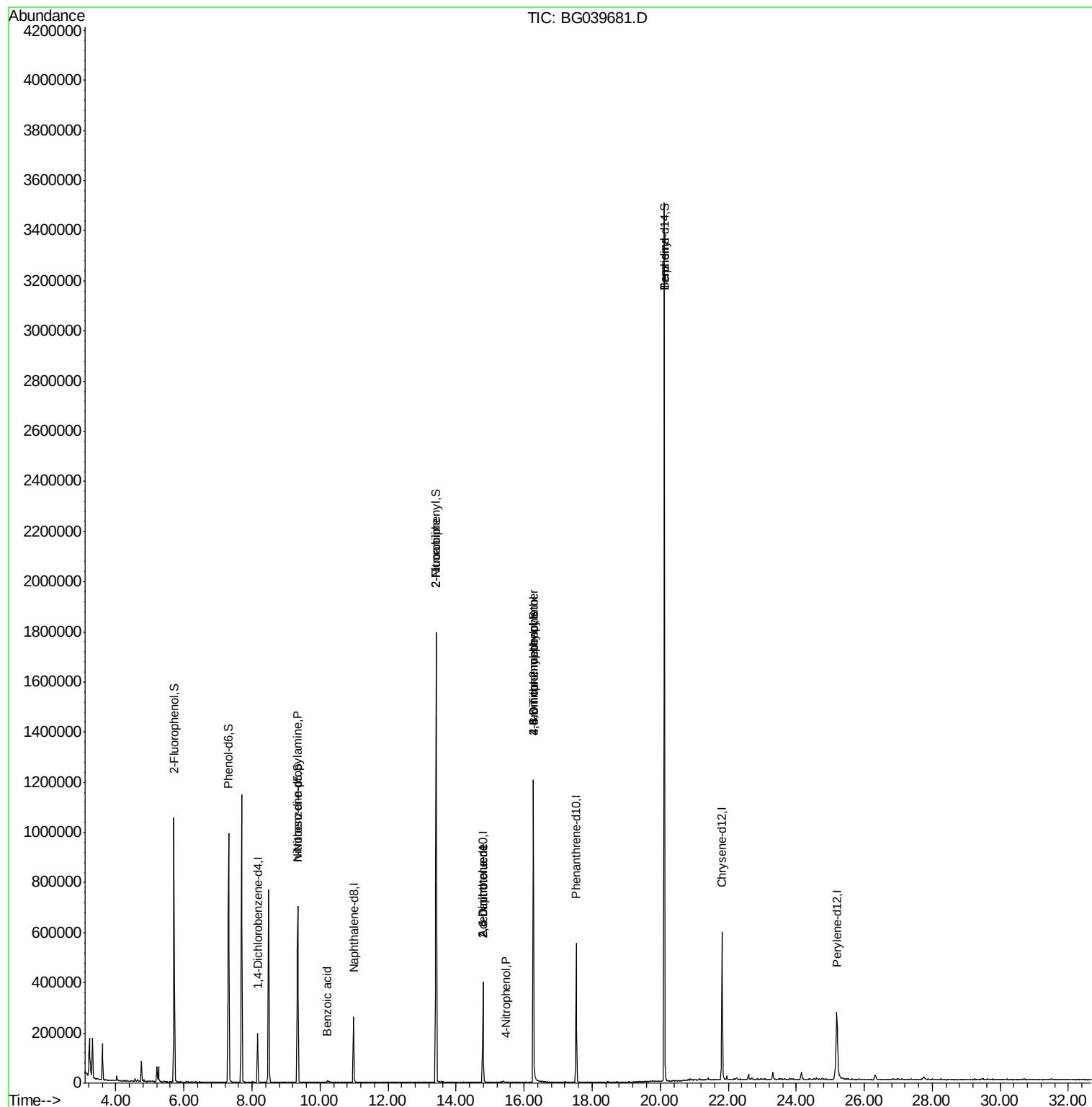
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1033	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	56835	17.619	ng	# 66
32) Benzoic acid	10.21	122	3179	10.235	ng	# 76
48) 2-Nitroaniline	13.42	65	1656	8.814	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	19089	13.975	ng	# 23
56) 4-Nitrophenol	15.48	139	53	5.817	ng	# 1
57) 2,4-Dinitrotoluene	14.78	165	19089	13.438	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.28	198	725	4.829	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	17116	4.341	ng	# 1
77) Benzidine	20.12	184	27599	2.204	ng	# 93

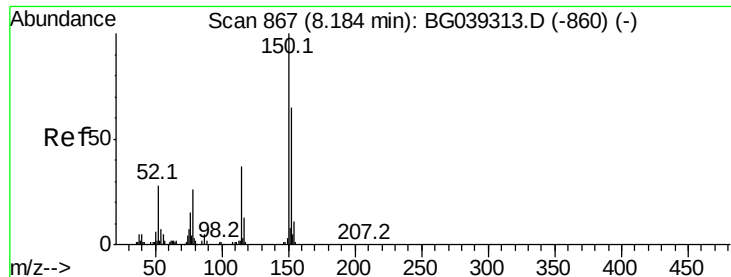
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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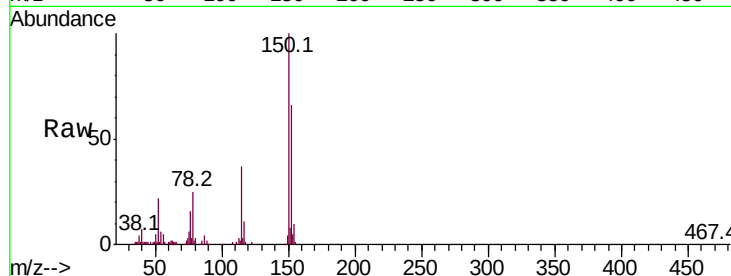


#1

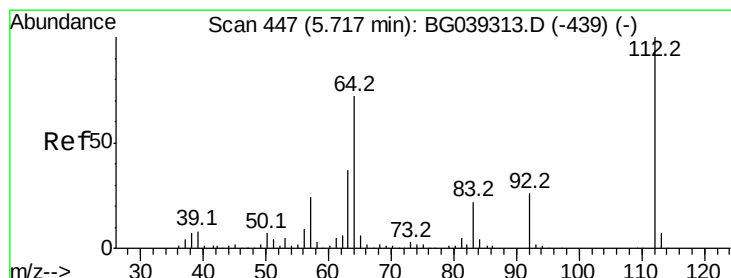
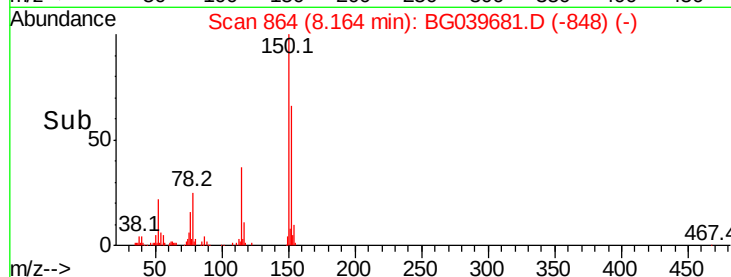
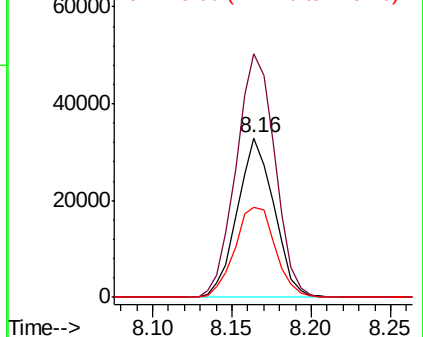
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039681.D
Acq: 1 Mar 2019 5:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52846
Ion Ratio Lower Upper
152 100
150 152.5 123.7 185.5
115 56.5 45.9 68.9



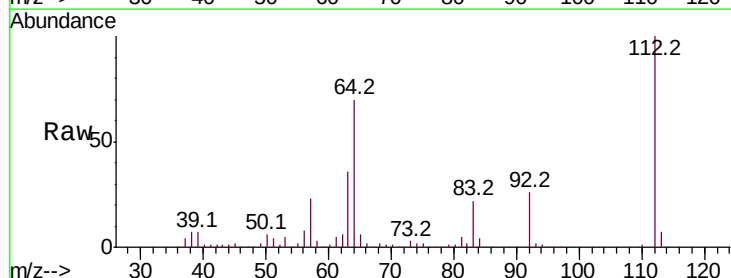
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



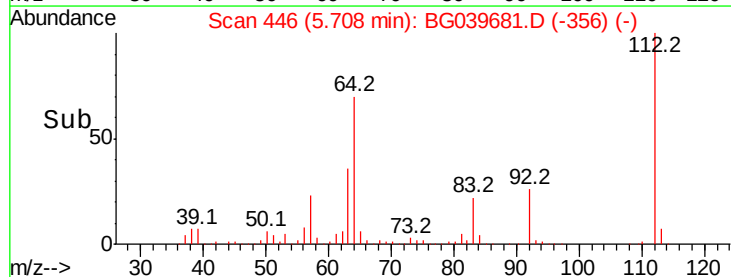
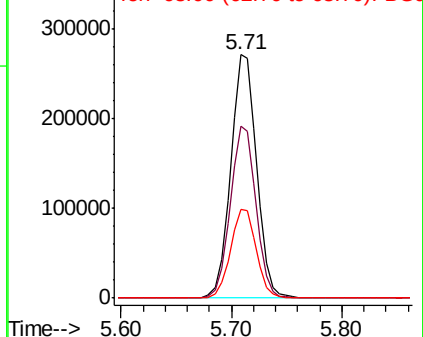
#5

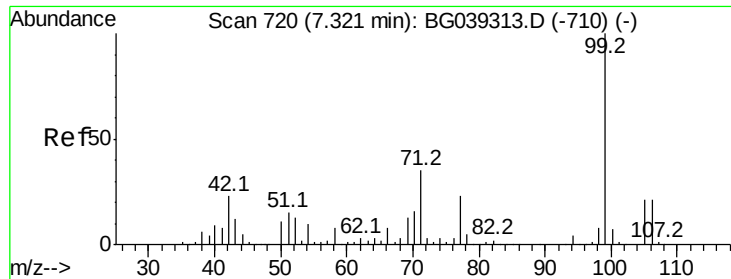
2-Fluorophenol
Concen: 144.227 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.00 min
Lab File: BG039681.D
Acq: 1 Mar 2019 5:34

Tgt Ion:112 Resp: 445327
Ion Ratio Lower Upper
112 100
64 70.5 57.8 86.8
63 36.4 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 126.655 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

Instrument :

BNA_G

ClientSampled :

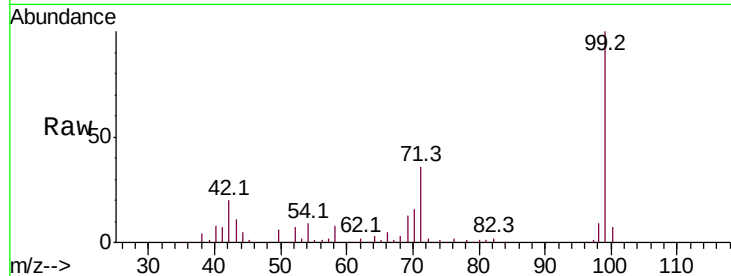
Tot Ion: 99 Resp: 575644

Ion Ratio Lower Upper

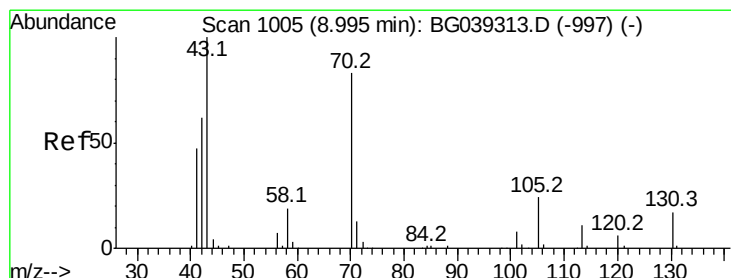
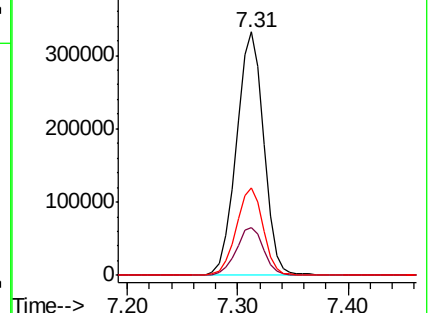
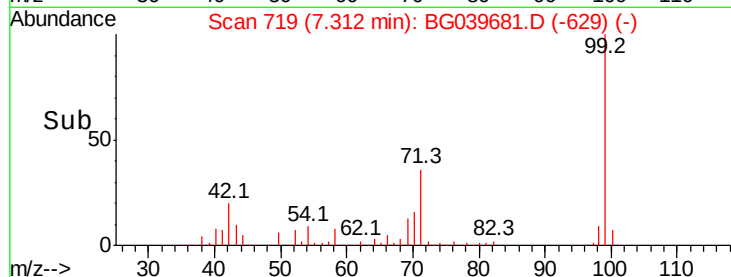
99 100

42 19.5 18.2 27.2

71 36.2 28.0 42.0



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: 17.619 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.38 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

Tgt Ion: 70 Resp: 56835

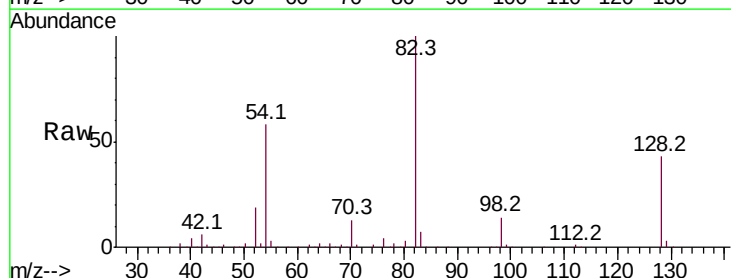
Ion Ratio Lower Upper

70 100

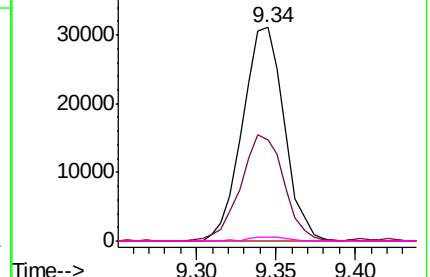
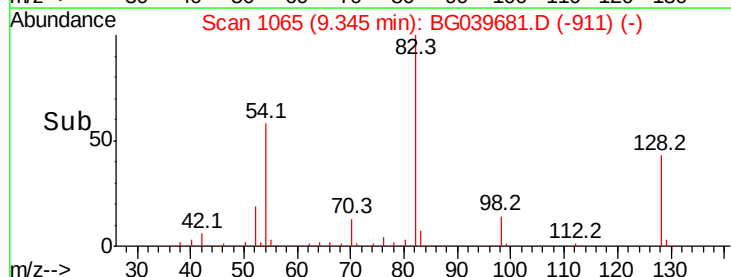
42 47.5 60.4 90.6#

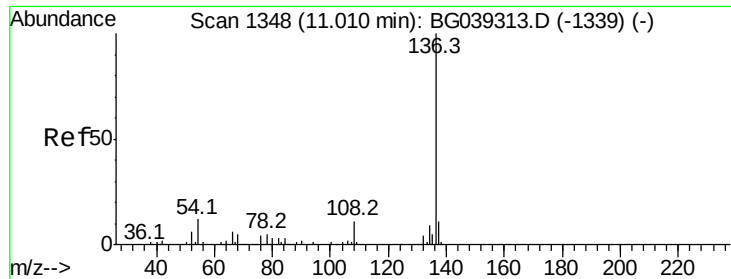
101 0.0 7.5 11.3#

130 2.0 16.9 25.3#



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

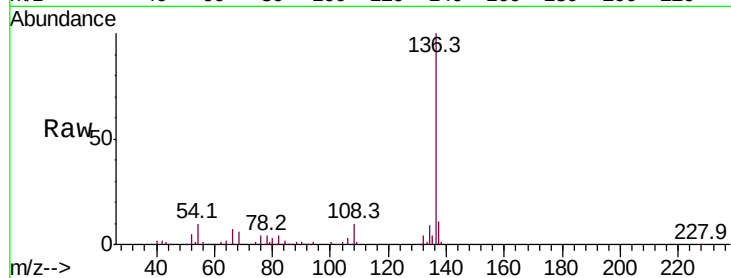




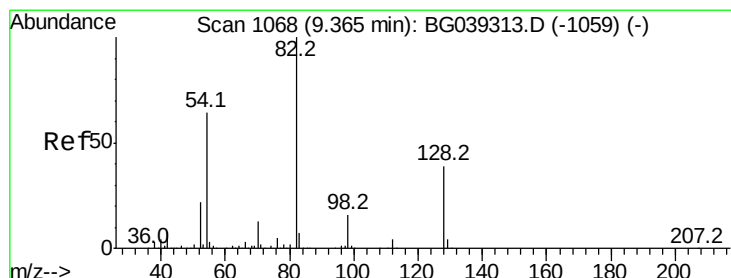
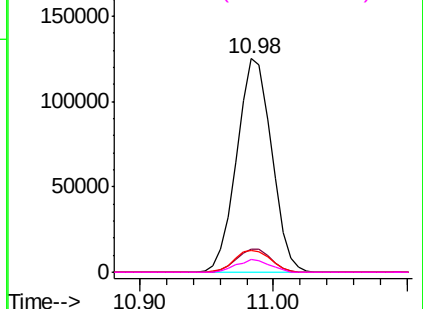
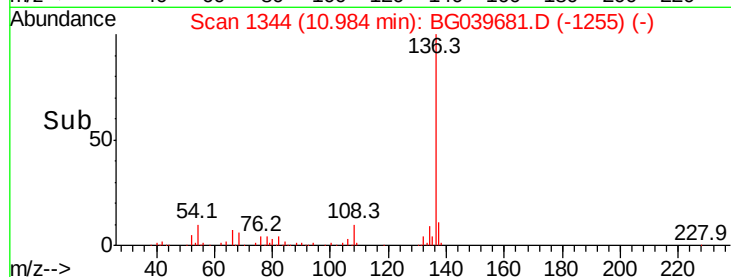
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039681.D
Acq: 1 Mar 2019 5:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	226254
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.1 13.7
54	10.3	9.4 14.2
68	6.1	4.2 6.4

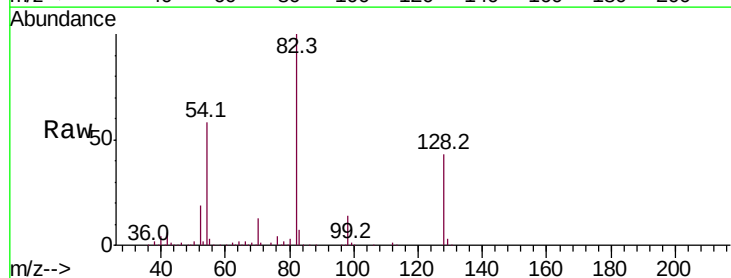


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

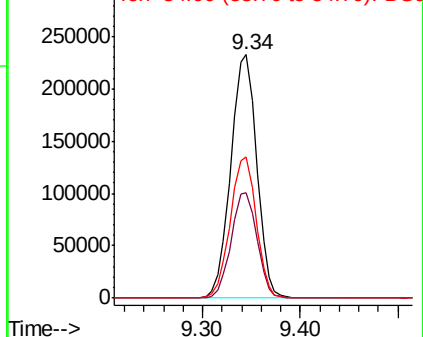
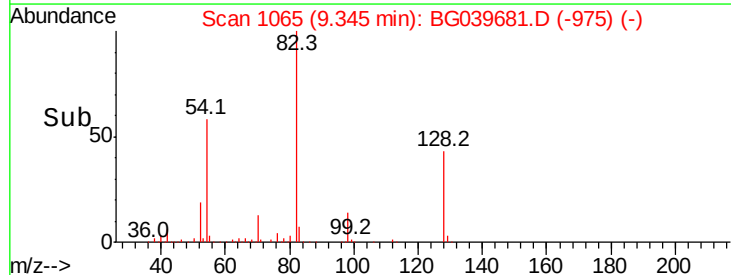


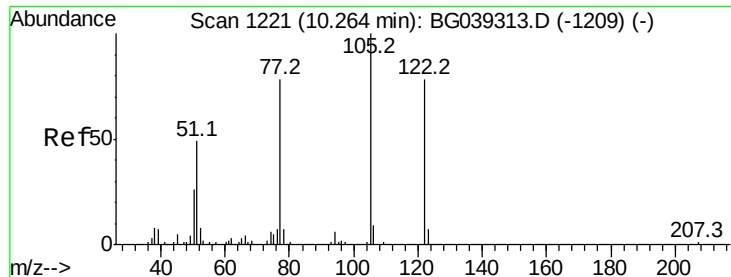
#23
Nitrobenzene-d5
Concen: 119.168 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039681.D
Acq: 1 Mar 2019 5:34

Tgt Ion: 82	Resp:	431592
Ion Ratio	Lower	Upper
82	100	
128	43.1	31.3 46.9
54	58.1	50.9 76.3



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





#32

Benzoic acid

Concen: 10.235 ng

RT: 10.21 min Scan# 1213

Delta R.T. -0.05 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

Instrument :

BNA_G

ClientSampled :

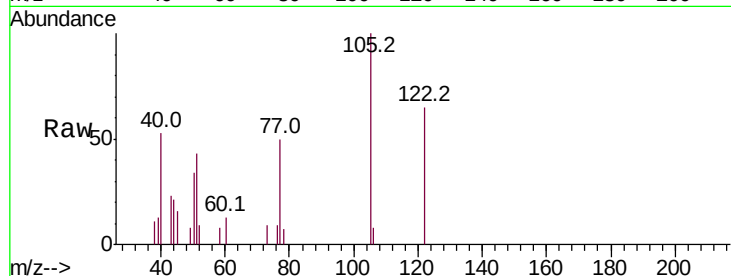
Tot Ion:122 Resp: 3179

Ion Ratio Lower Upper

122 100

105 153.7 101.8 141.8#

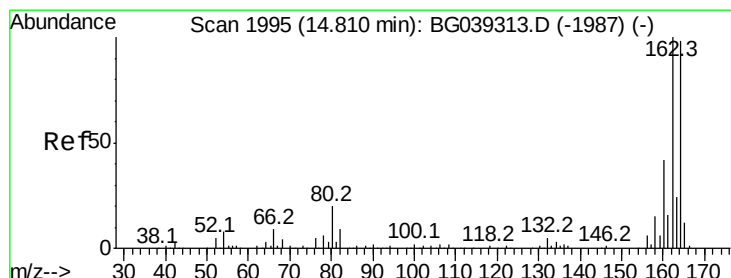
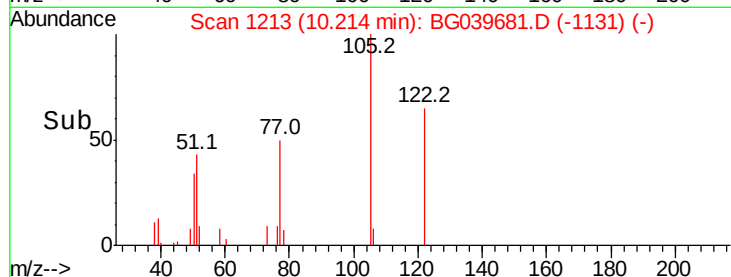
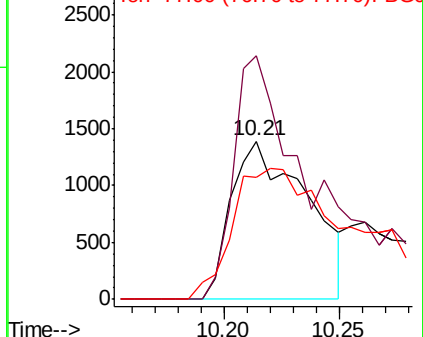
77 77.3 76.3 116.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

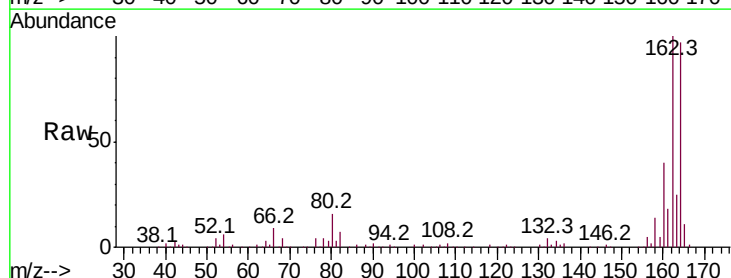
Tgt Ion:164 Resp: 147226

Ion Ratio Lower Upper

164 100

162 102.6 81.6 122.4

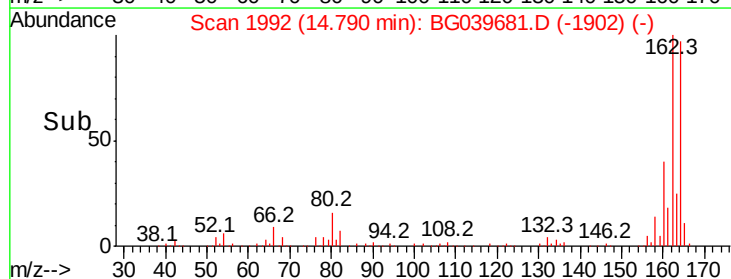
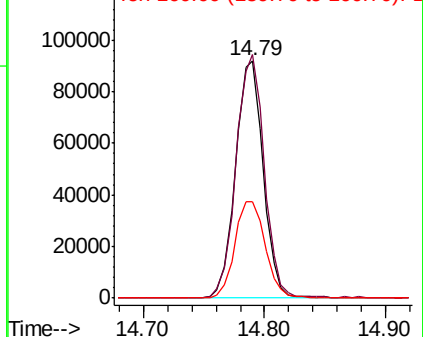
160 40.7 34.2 51.2

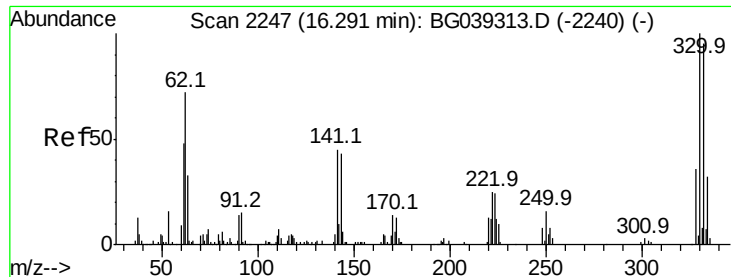


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 142.727 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

Instrument :

BNA_G

ClientSampleId :

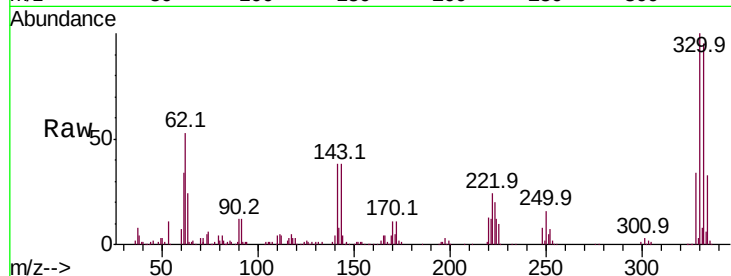
Tot Ion:330 Resp: 226275

Ion Ratio Lower Upper

330 100

332 97.8 75.7 113.5

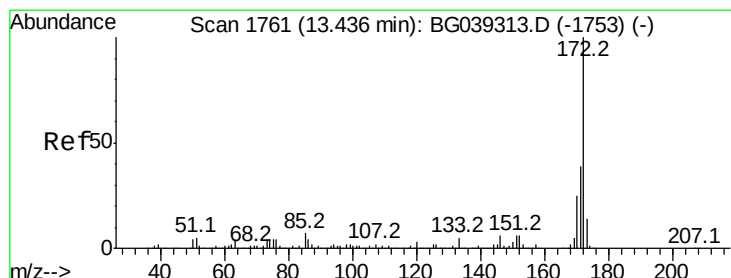
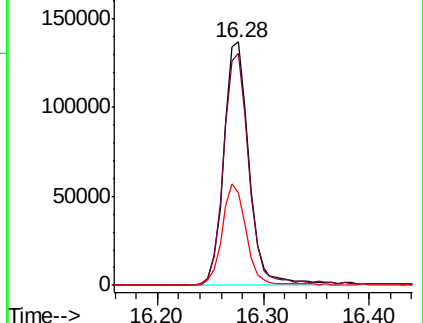
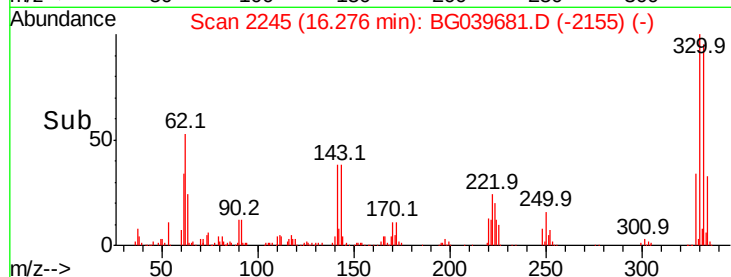
141 39.7 35.6 53.4



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



#45

2-Fluorobiphenyl

Concen: 93.876 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

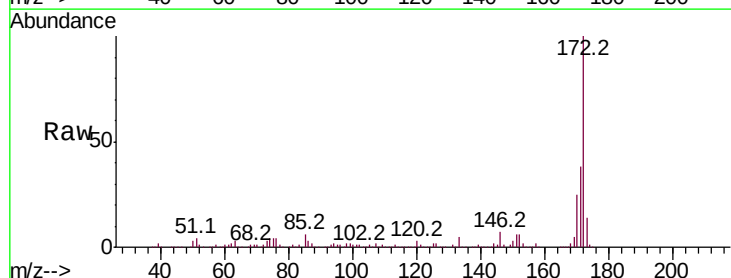
Tgt Ion:172 Resp: 963440

Ion Ratio Lower Upper

172 100

171 38.5 30.8 46.2

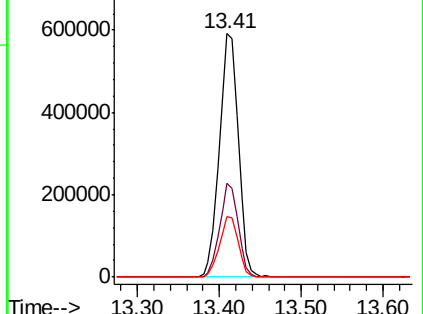
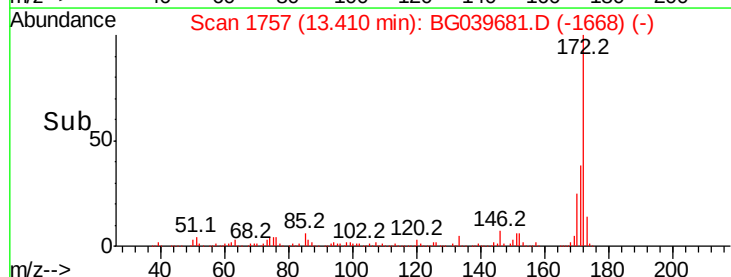
170 25.1 20.2 30.4

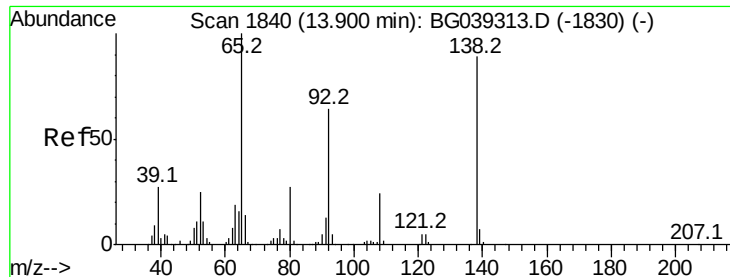


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

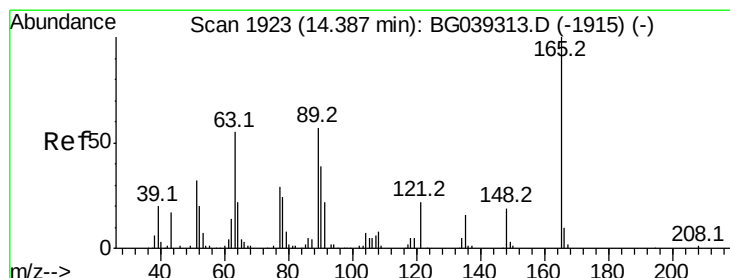
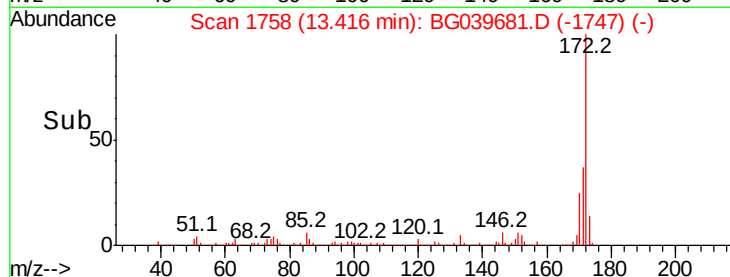
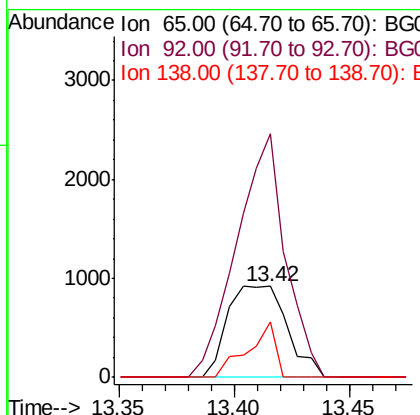
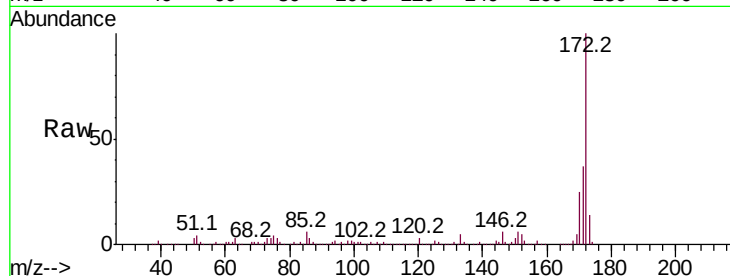




#48
 2-Nitroaniline
 Concen: 8.814 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.46 min
 Lab File: BG039681.D
 Acq: 1 Mar 2019 5:34

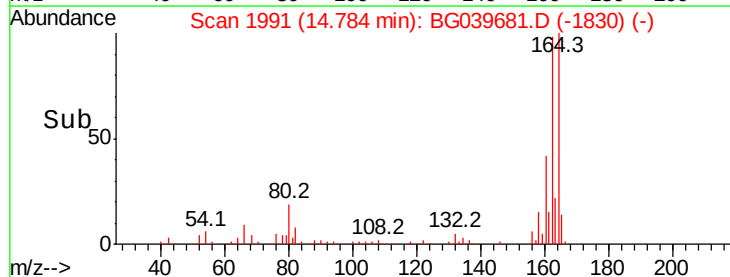
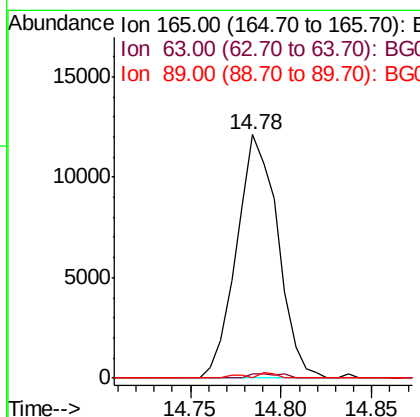
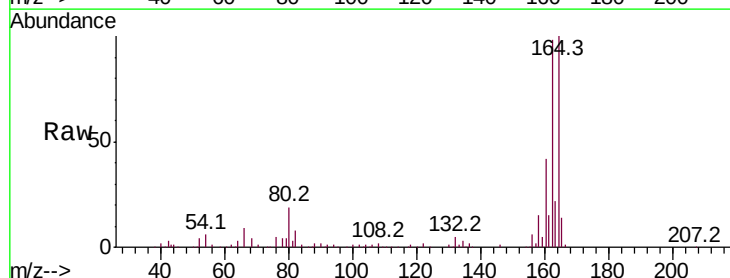
Instrument :
 BNA_G
 ClientSampleId :

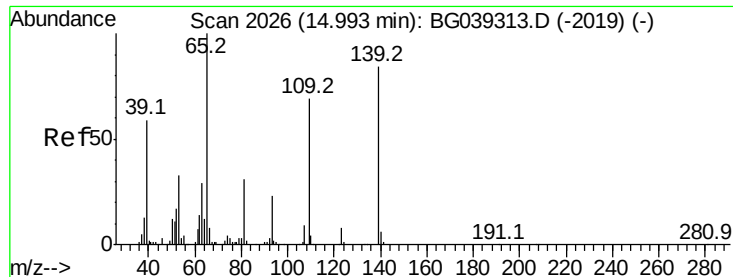
Tot Ion: 65 Resp: 1656
 Ion Ratio Lower Upper
 65 100
 92 267.5 51.4 77.2#
 138 60.9 71.4 107.2#



#51
 2,6-Dinitrotoluene
 Concen: 13.975 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG039681.D
 Acq: 1 Mar 2019 5:34

Tgt Ion: 165 Resp: 19089
 Ion Ratio Lower Upper
 165 100
 63 1.8 47.0 70.6#
 89 0.0 45.8 68.8#

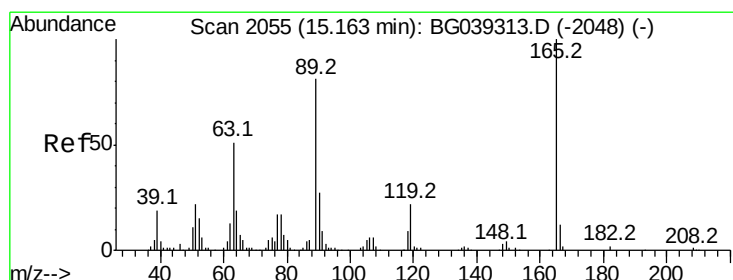
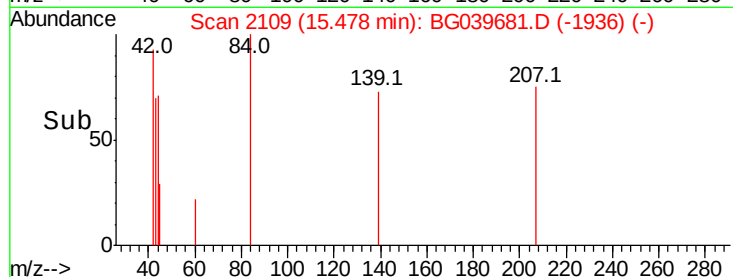
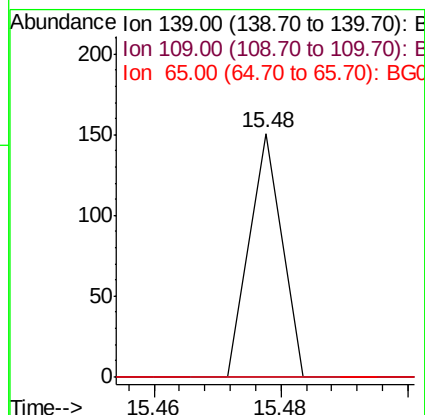
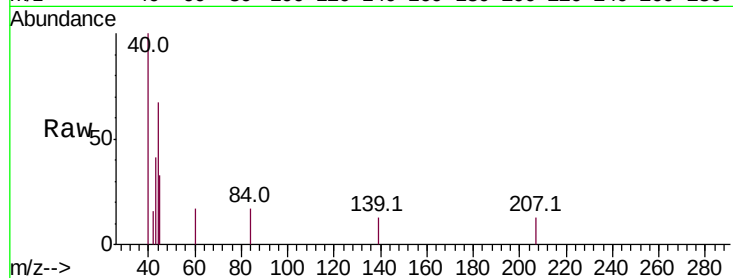




#56
4-Nitrophenol
Concen: 5.817 ng
RT: 15.48 min Scan# 2109
Delta R.T. 0.49 min
Lab File: BG039681.D
Acq: 1 Mar 2019 5:34

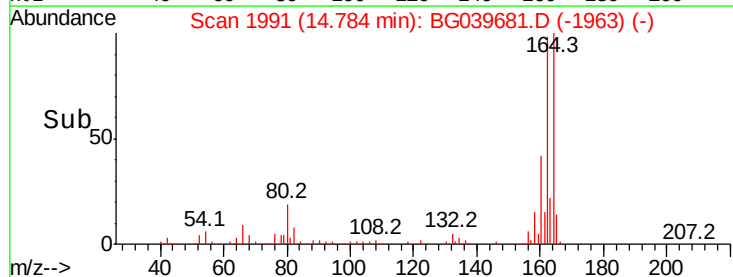
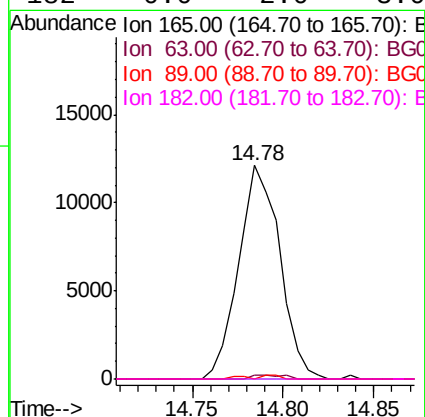
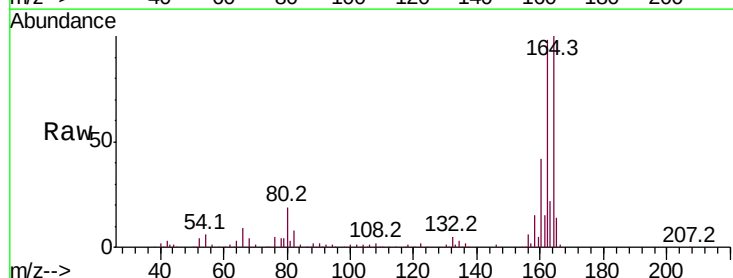
Instrument :
BNA_G
ClientSampleId :

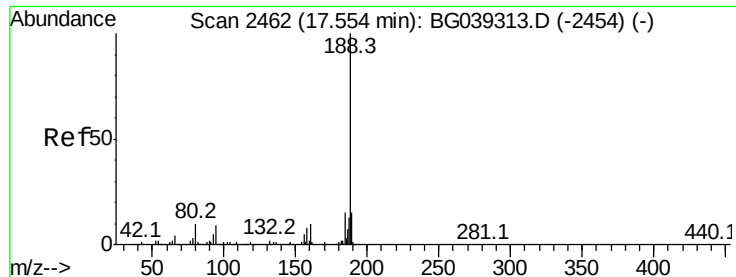
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.438 ng
RT: 14.78 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG039681.D
Acq: 1 Mar 2019 5:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

Instrument :

BNA_G

ClientSampleId :

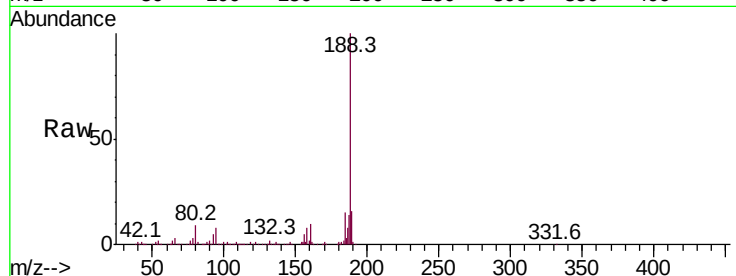
Tot Ion:188 Resp: 355375

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

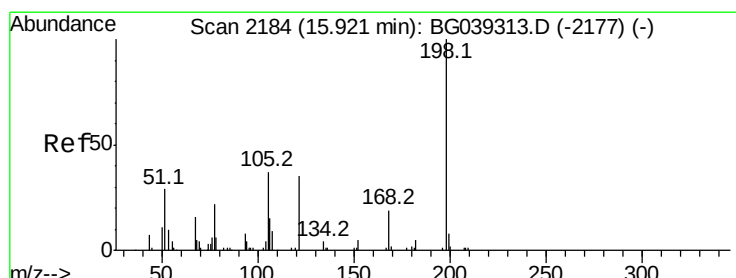
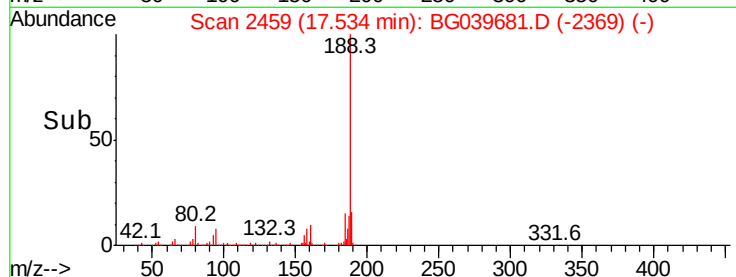
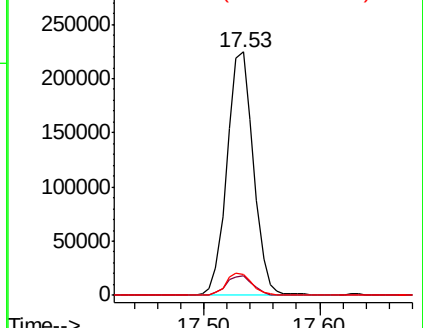
80 8.7 8.1 12.1



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.829 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.37 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

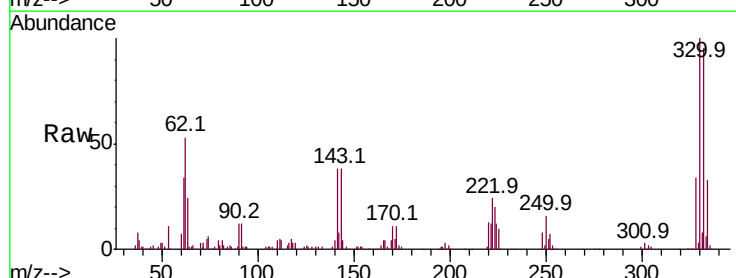
Tgt Ion:198 Resp: 725

Ion Ratio Lower Upper

198 100

51 119.1 27.4 67.4#

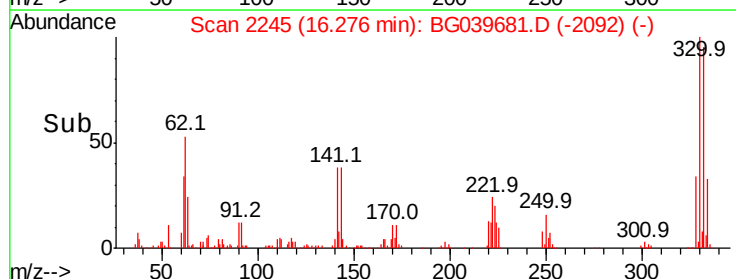
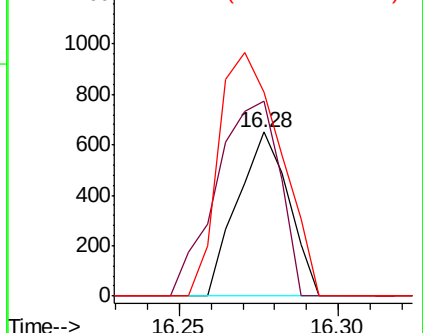
105 125.0 19.7 59.7#

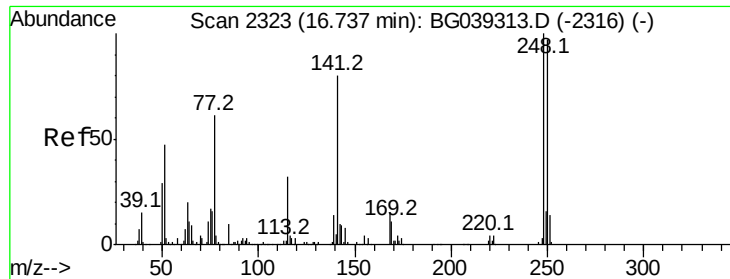


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

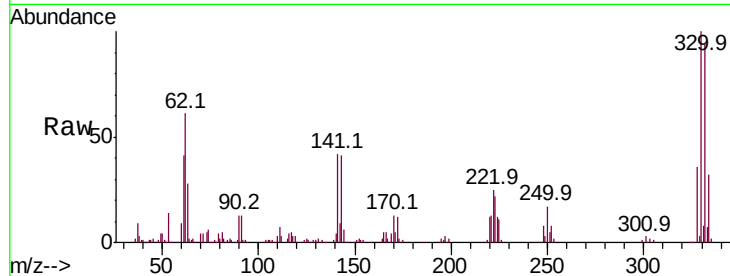




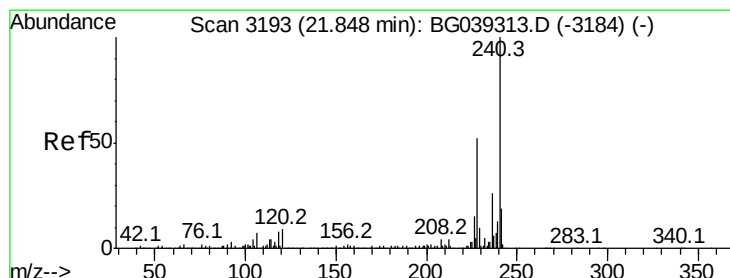
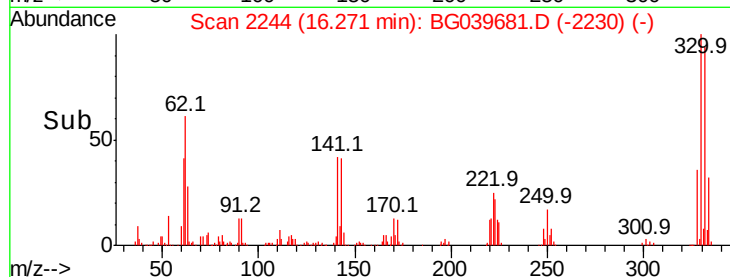
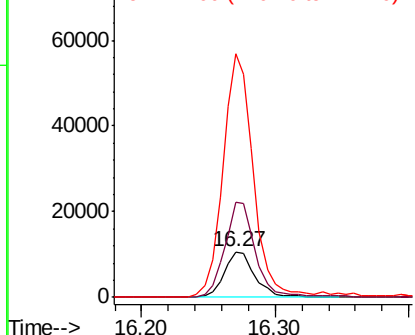
#67
4-Bromophenyl-phenylether
Concen: 4.341 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.45 min
Lab File: BG039681.D
Acq: 1 Mar 2019 5:34

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 17116
Ion Ratio Lower Upper
248 100
250 208.2 77.6 116.4#
141 531.7 63.9 95.9#

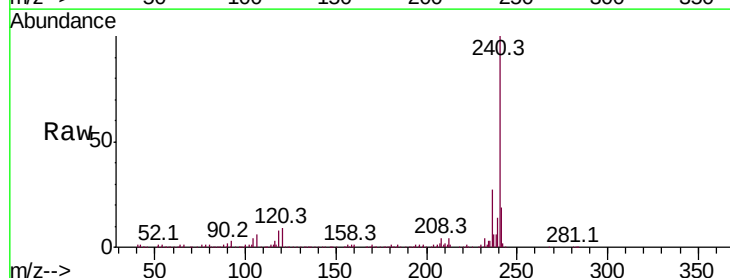


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

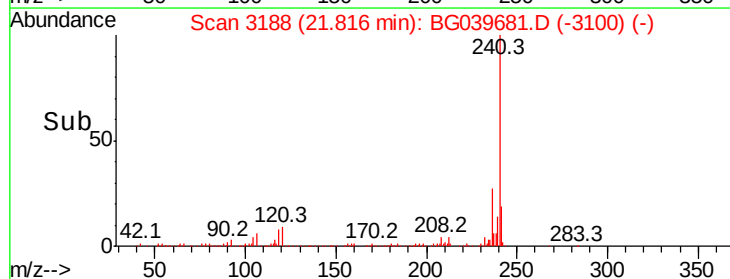
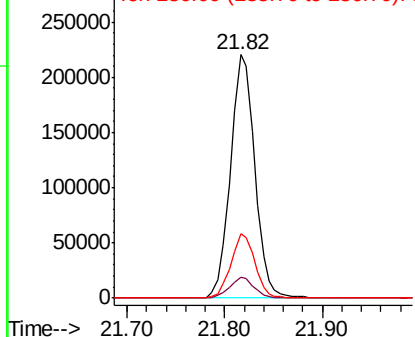


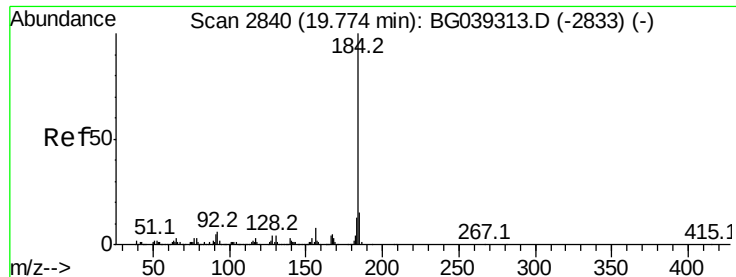
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039681.D
Acq: 1 Mar 2019 5:34

Tgt Ion:240 Resp: 382026
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 26.7 21.0 31.4



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





#77

Benzidine

Concen: 2.204 ng

RT: 20.12 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

Instrument :

BNA_G

ClientSampleId :

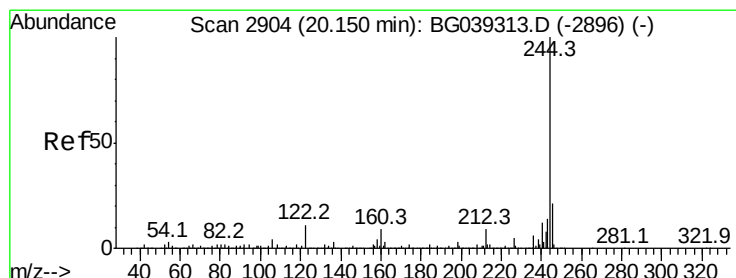
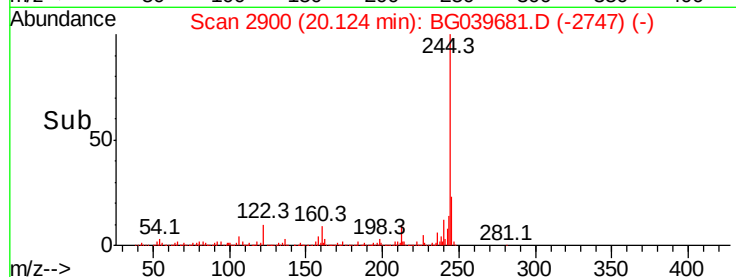
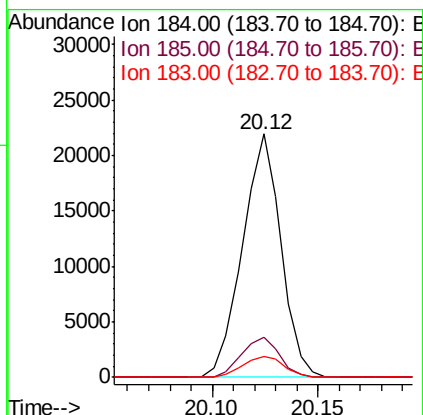
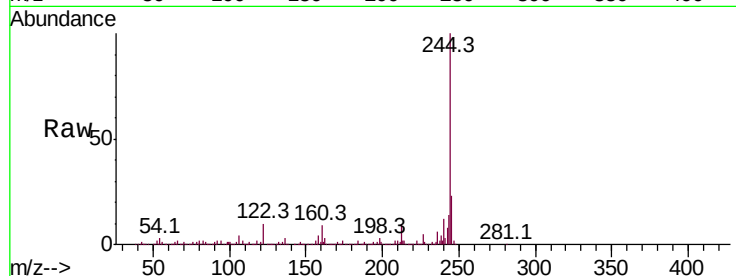
Tot Ion:184 Resp: 27599

Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

183 8.5 10.6 15.8#



#79

Terphenyl-d14

Concen: 88.471 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

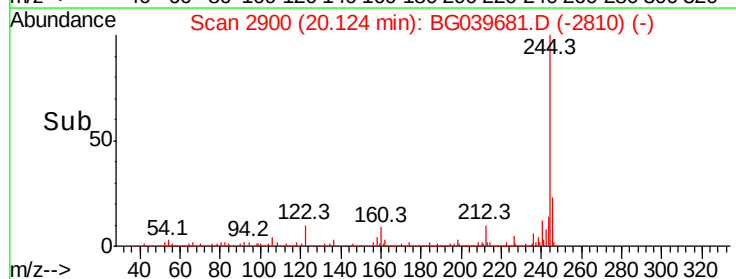
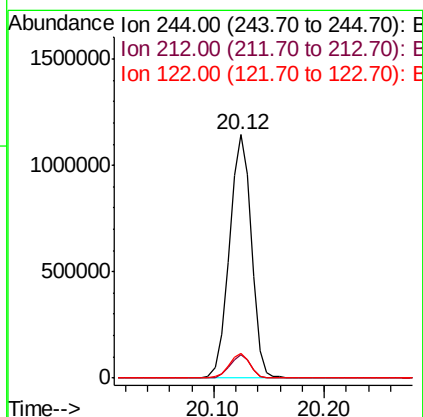
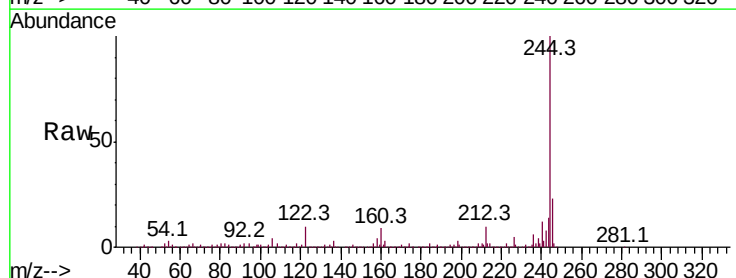
Tgt Ion:244 Resp: 1596743

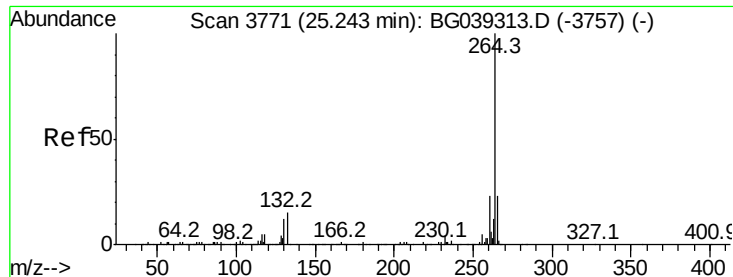
Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

122 10.3 8.4 12.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.19 min Scan# 3763

Delta R.T. -0.01 min

Lab File: BG039681.D

Acq: 1 Mar 2019 5:34

Instrument :

BNA_G

ClientSampleId :

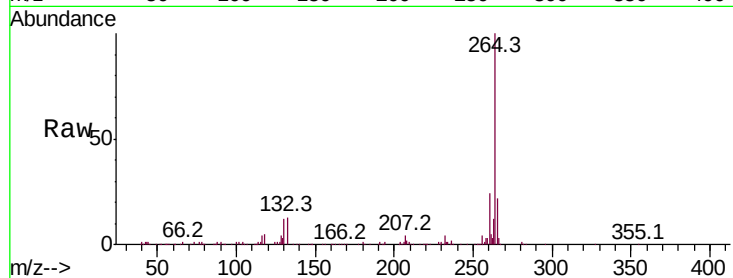
Tot Ion:264 Resp: 364487

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 21.8 18.5 27.7



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

