

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021819\
 Data File : BG039541.D
 Acq On : 18 Feb 2019 16:08
 Operator : JU/SJ
 Sample : K1508-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 18 16:51:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	57706	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	258487	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	181782	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	434237	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	435481	20.00	ng	-0.02
87) Perylene-d12	25.20	264	407189	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	352518	104.55	ng	0.00
7) Phenol-d6	7.32	99	525776	105.94	ng	0.00
23) Nitrobenzene-d5	9.34	82	303703	73.40	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	198026	101.16	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	783594	61.84	ng	-0.02
79) Terphenyl-d14	20.13	244	1202530	58.45	ng	-0.02

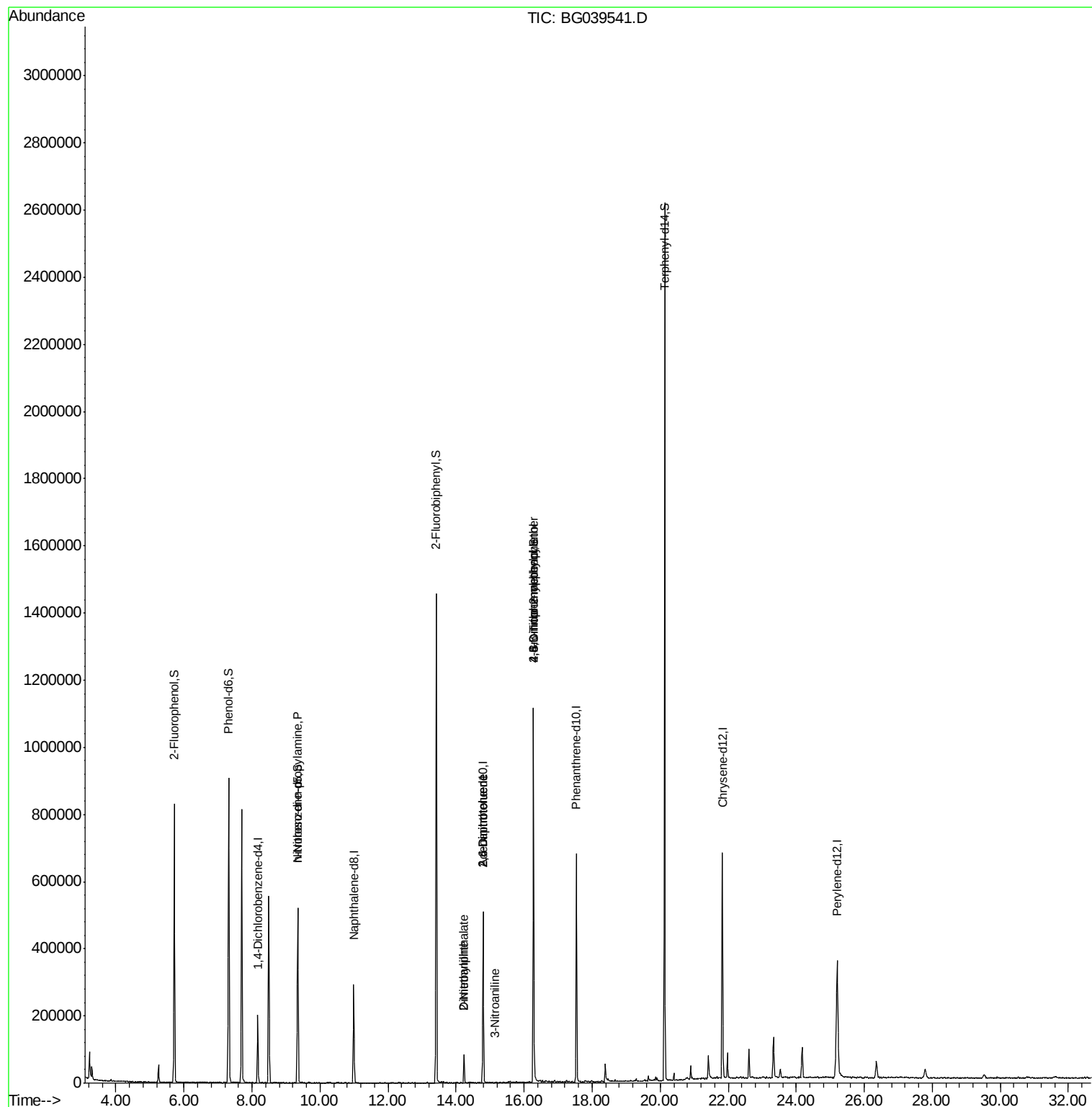
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1018	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	40560	11.514	ng	# 67
48) 2-Nitroaniline	14.23	65	562	8.439	ng	# 1
50) Dimethylphthalate	14.23	163	59660	4.064	ng	97
51) 2,6-Dinitrotoluene	14.79	165	22967	13.786	ng	# 24
53) 3-Nitroaniline	15.14	138	63	5.811	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22967	13.294	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.27	198	661	4.662	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	15782	3.276	ng	# 1

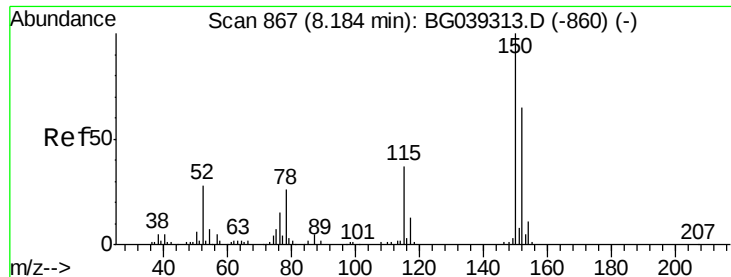
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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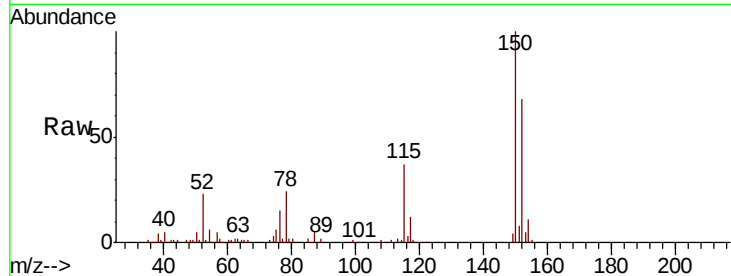


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039541.D
Acq: 18 Feb 2019 16:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	123.7	185.5
115	55.2	45.9	68.9

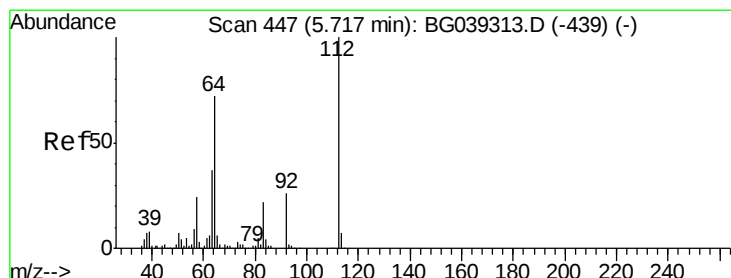
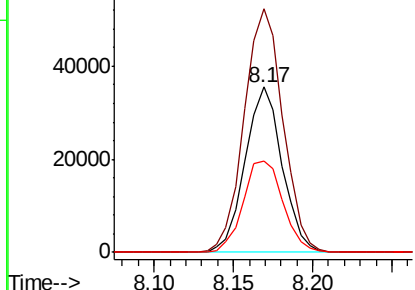
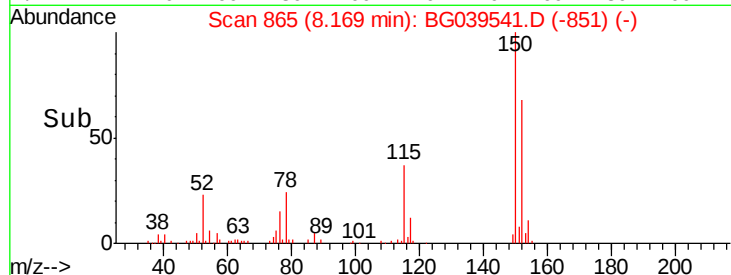


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

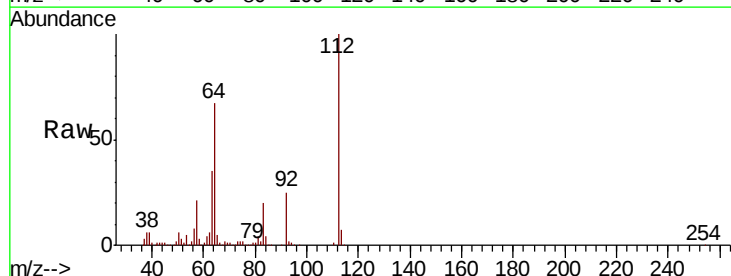
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.554 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039541.D
Acq: 18 Feb 2019 16:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	57.8	86.8
63	34.9	29.8	44.6

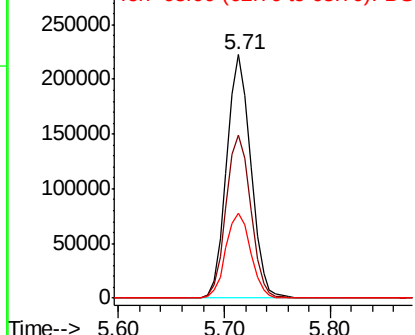
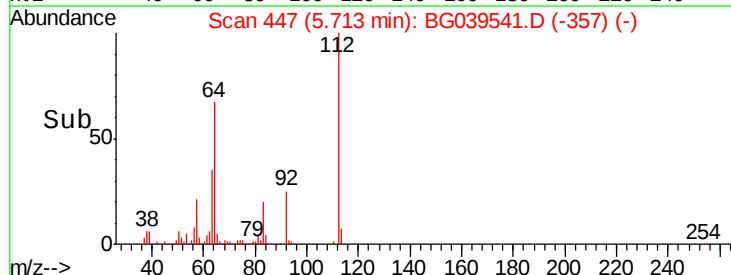


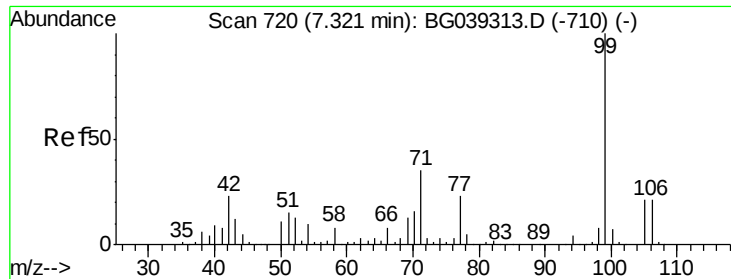
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 105.940 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

Instrument :

BNA_G

ClientSampleId :

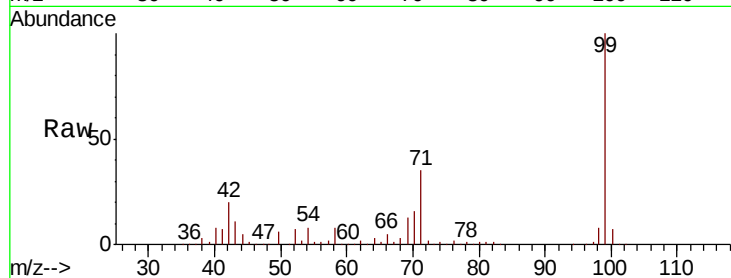
Tot Ion: 99 Resp: 525776

Ion Ratio Lower Upper

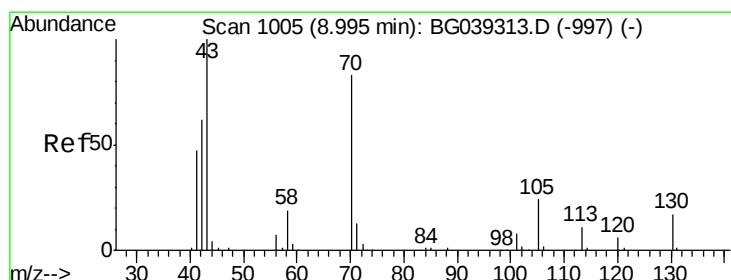
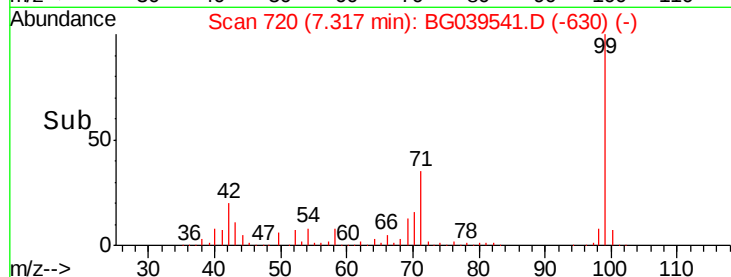
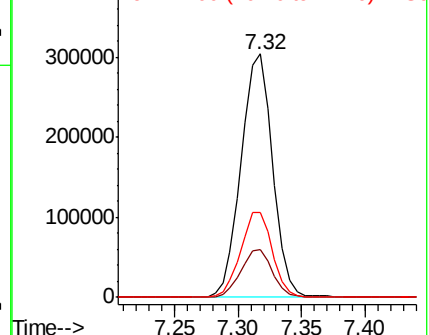
99 100

42 19.9 18.2 27.2

71 35.0 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: 11.514 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

Tgt Ion: 70 Resp: 40560

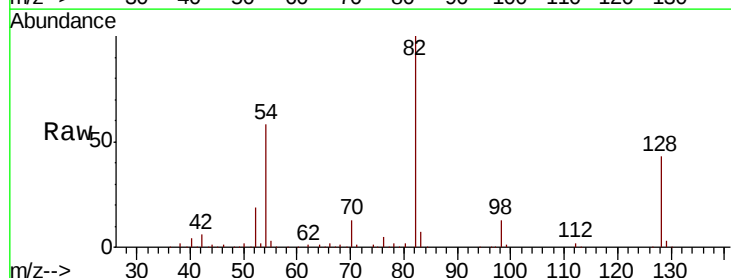
Ion Ratio Lower Upper

70 100

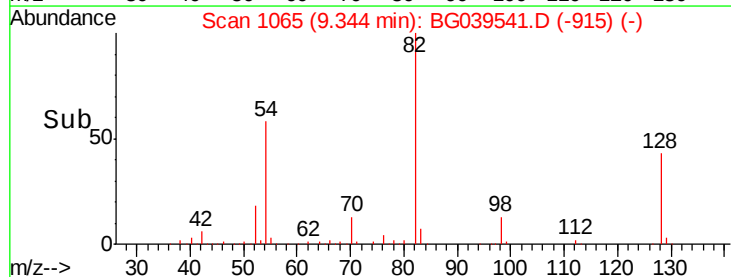
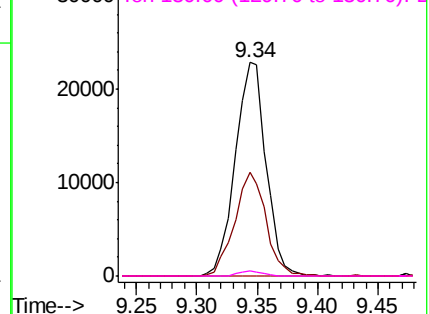
42 48.5 60.4 90.6#

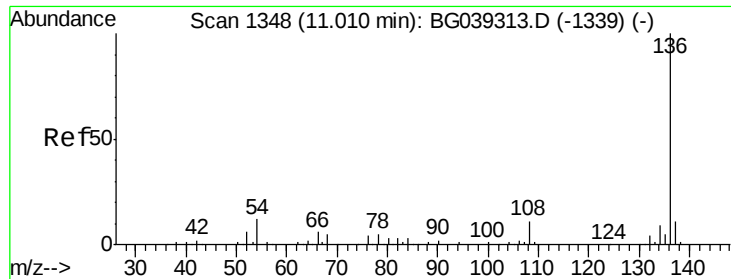
101 0.0 7.5 11.3#

130 2.5 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

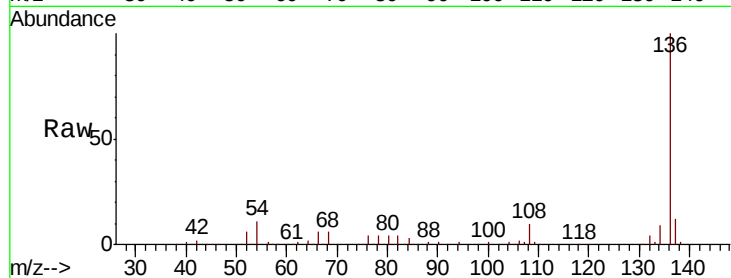




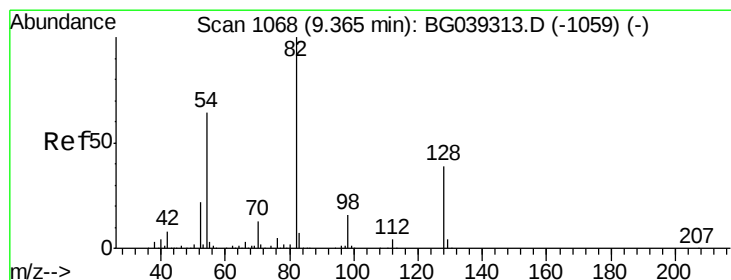
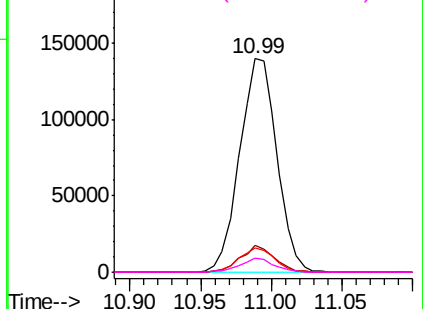
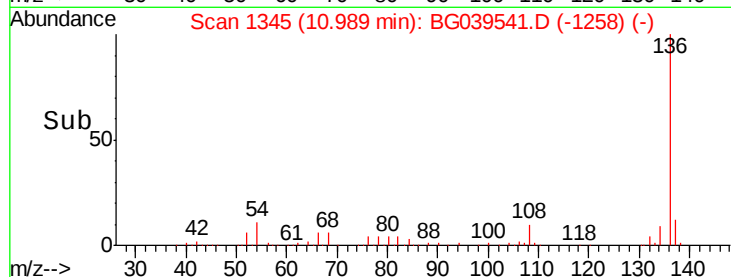
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039541.D
Acq: 18 Feb 2019 16:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	258487
Ion	Ratio	Lower Upper
136	100	
137	12.5	9.1 13.7
54	11.2	9.4 14.2
68	6.4	4.2 6.4#

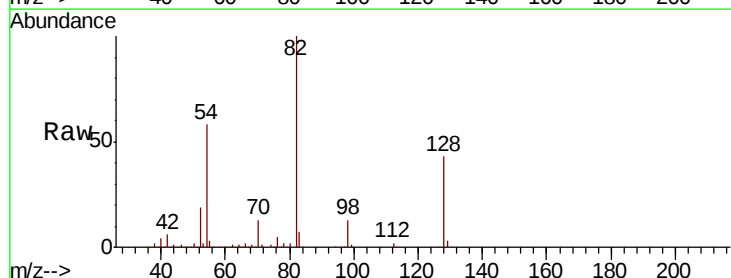


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

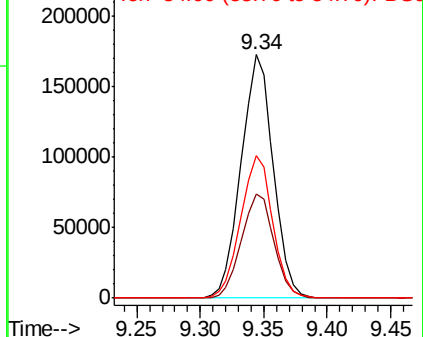
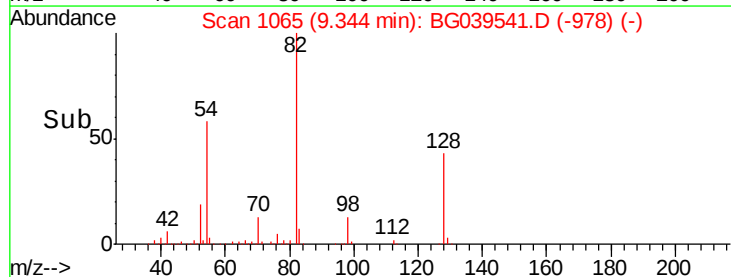


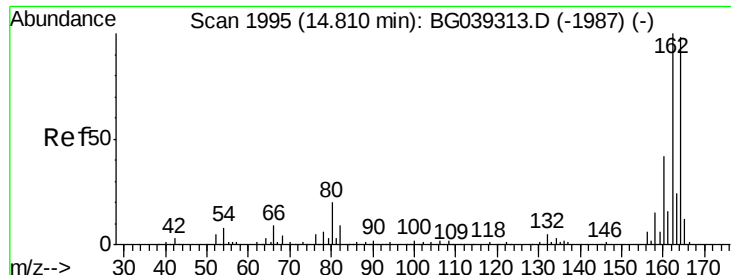
#23
Nitrobenzene-d5
Concen: 73.399 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039541.D
Acq: 18 Feb 2019 16:08

Tgt Ion: 82	Resp:	303703
Ion	Ratio	Lower Upper
82	100	
128	43.0	31.3 46.9
54	58.4	50.9 76.3



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

Instrument :

BNA_G

ClientSampleId :

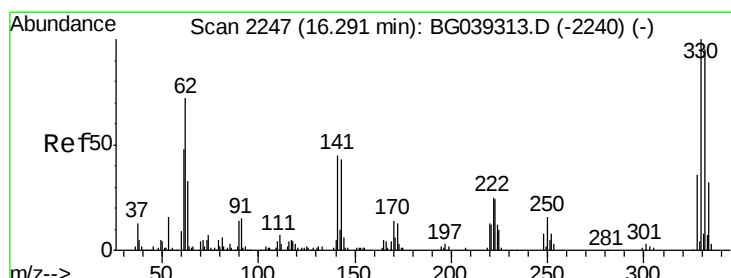
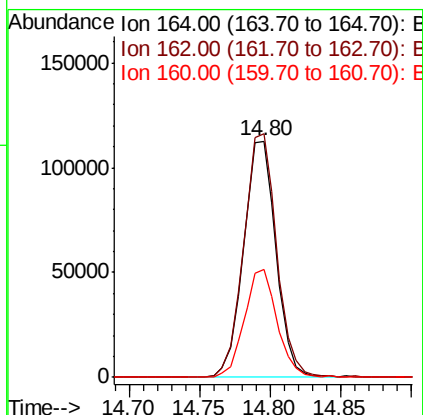
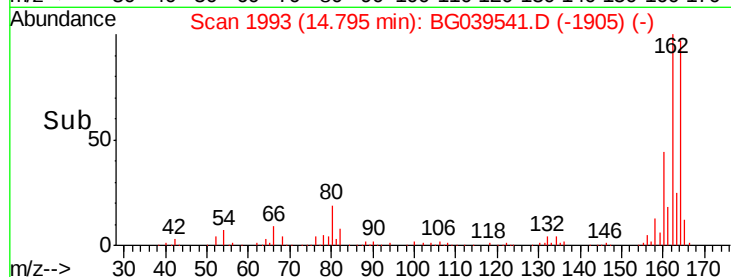
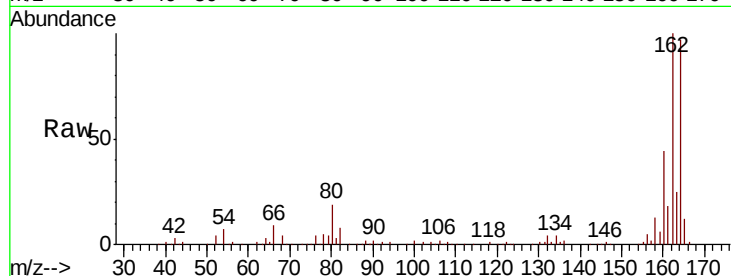
Tot Ion:164 Resp: 181782

Ion Ratio Lower Upper

164 100

162 103.1 81.6 122.4

160 45.4 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 101.164 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

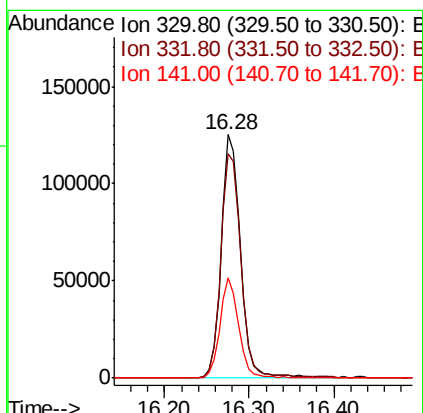
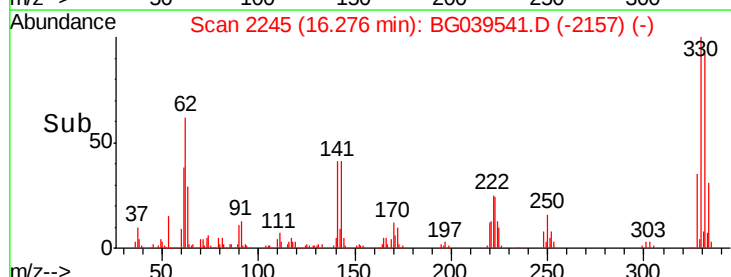
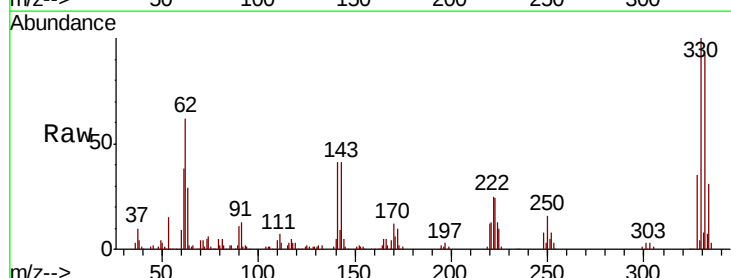
Tgt Ion:330 Resp: 198026

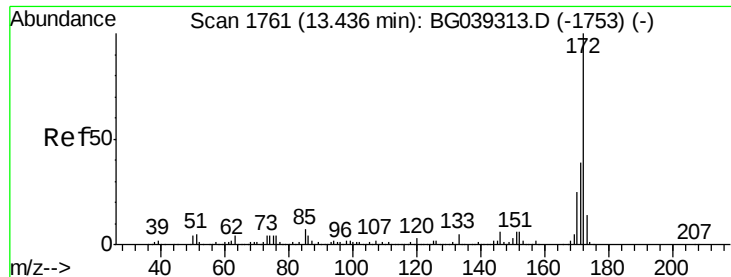
Ion Ratio Lower Upper

330 100

332 97.0 75.7 113.5

141 40.6 35.6 53.4

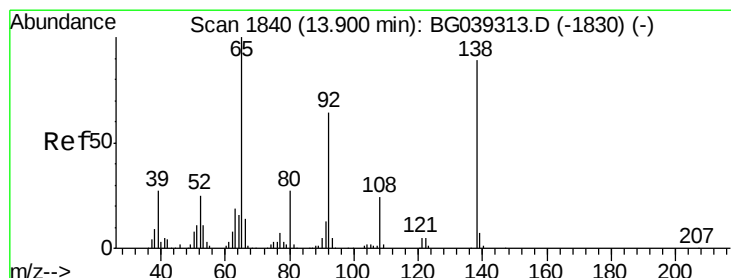
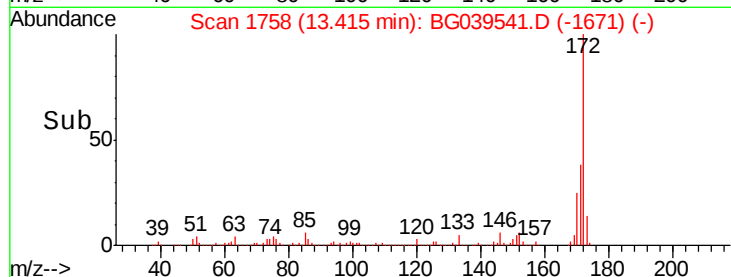
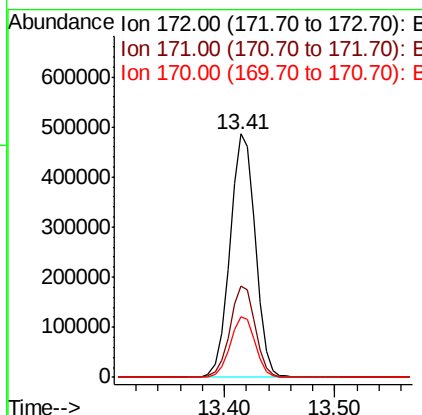
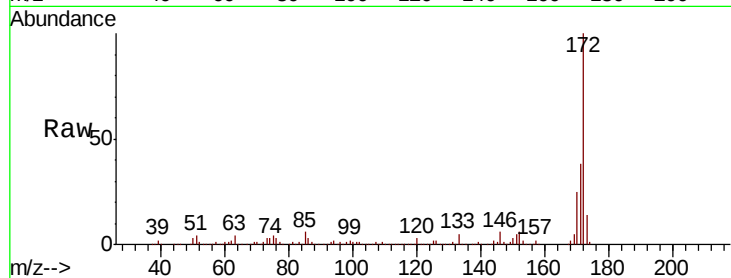




#45
2-Fluorobiphenyl
Concen: 61.838 ng
RT: 13.41 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BG039541.D
Acq: 18 Feb 2019 16:08

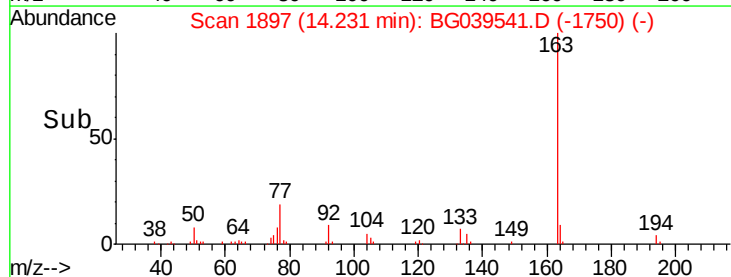
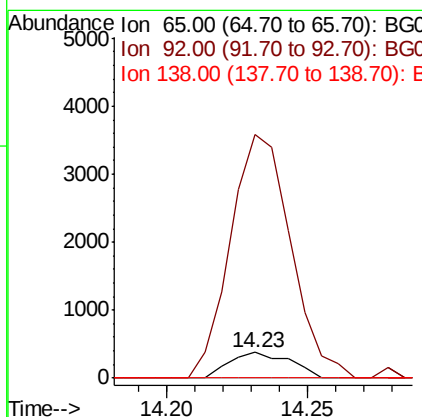
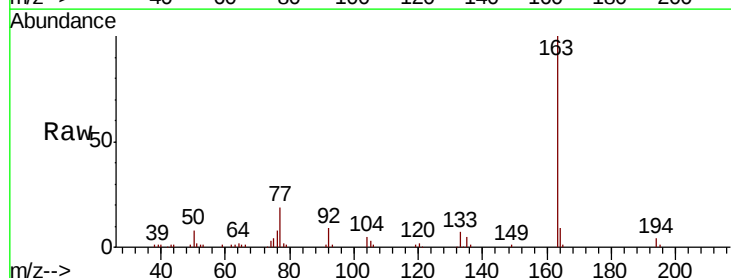
Instrument :
BNA_G
ClientSampleId :

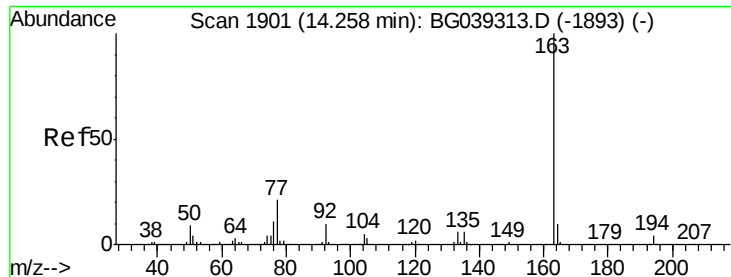
Tot Ion:172 Resp: 783594
Ion Ratio Lower Upper
172 100
171 37.8 30.8 46.2
170 25.1 20.2 30.4



#48
2-Nitroaniline
Concen: 8.439 ng
RT: 14.23 min Scan# 1897
Delta R.T. 0.33 min
Lab File: BG039541.D
Acq: 18 Feb 2019 16:08

Tgt Ion: 65 Resp: 562
Ion Ratio Lower Upper
65 100
92 952.7 51.4 77.2#
138 0.0 71.4 107.2#

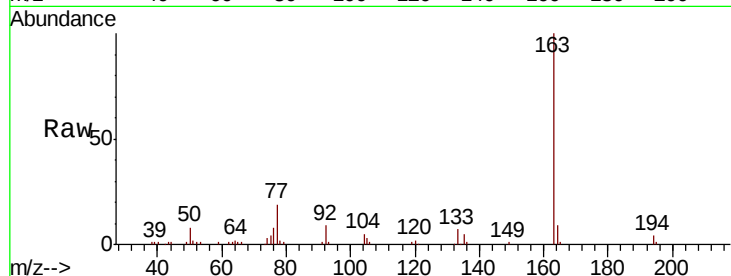




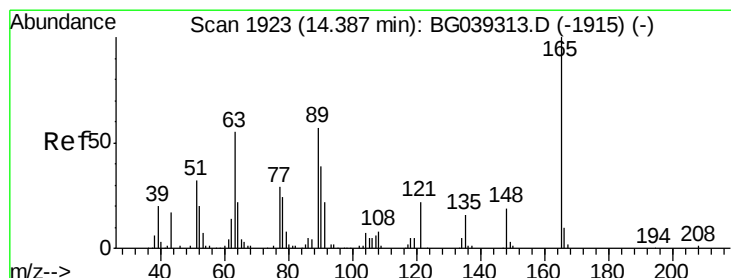
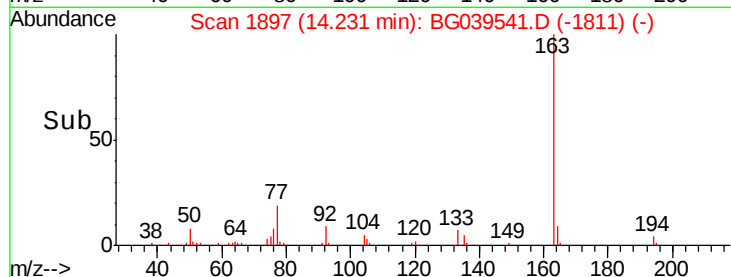
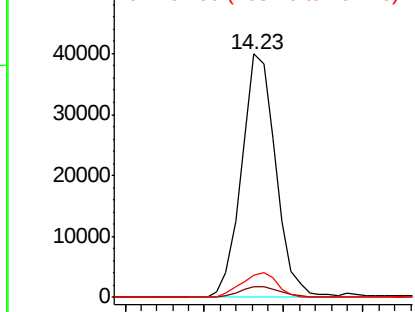
#50
Dimethylphthalate
Concen: 4.064 ng
RT: 14.23 min Scan# 1897
Delta R.T. -0.03 min
Lab File: BG039541.D
Acq: 18 Feb 2019 16:08

Instrument :
BNA_G
ClientSampled :

Tot Ion:163 Resp: 59660
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 9.1 8.4 12.6

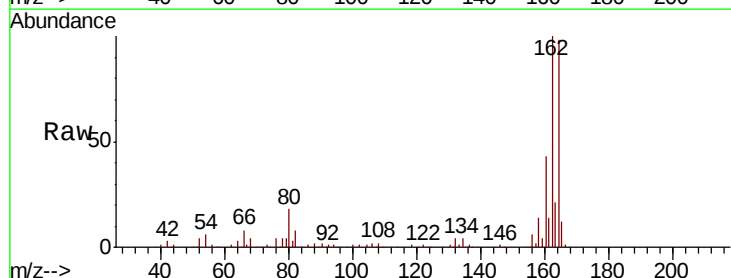


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

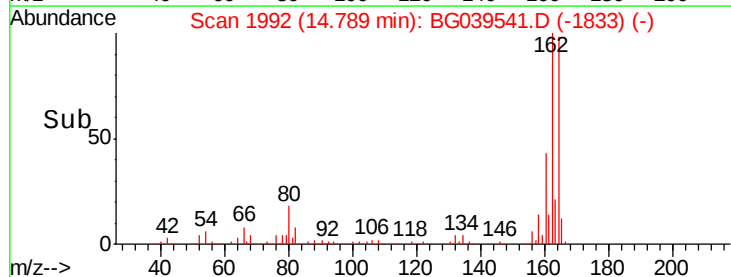
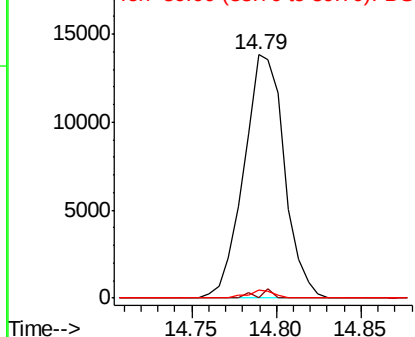


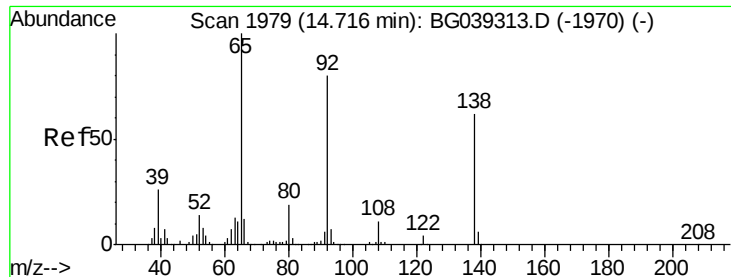
#51
2,6-Dinitrotoluene
Concen: 13.786 ng
RT: 14.79 min Scan# 1992
Delta R.T. 0.40 min
Lab File: BG039541.D
Acq: 18 Feb 2019 16:08

Tgt Ion:165 Resp: 22967
Ion Ratio Lower Upper
165 100
63 0.0 47.0 70.6#
89 3.3 45.8 68.8#



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





#53

3-Nitroaniline

Concen: 5.811 ng

RT: 15.14 min Scan# 2051

Delta R.T. 0.42 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

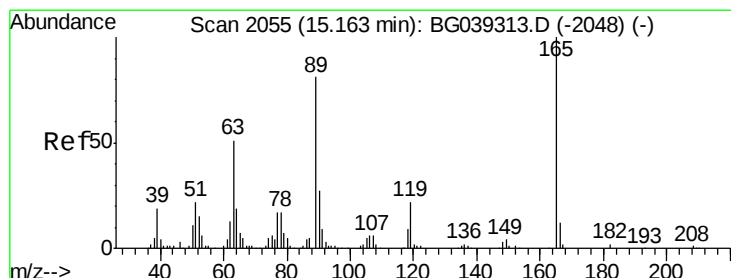
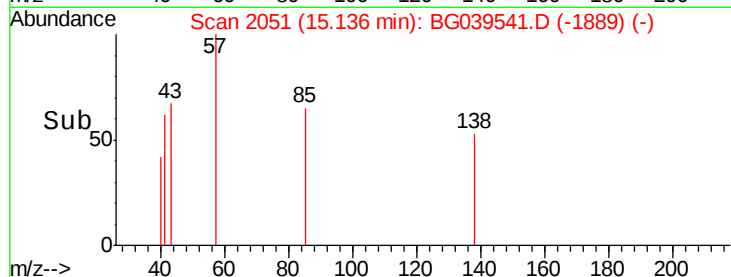
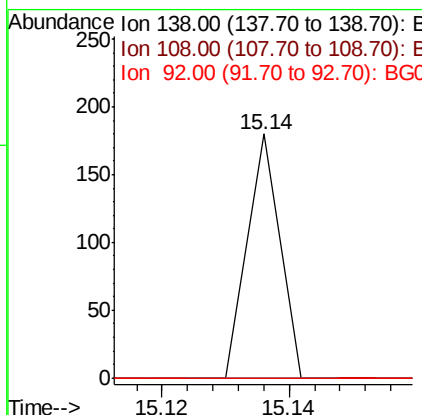
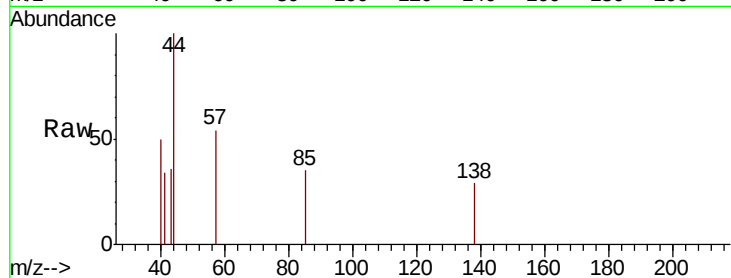
Instrument :

BNA_G

ClientSampleId :

Tot Ion:138 Resp: 63

Ion	Ratio	Lower	Upper
138	100		
108	0.0	13.8	20.8#
92	0.0	103.7	155.5#



#57

2,4-Dinitrotoluene

Concen: 13.294 ng

RT: 14.79 min Scan# 1992

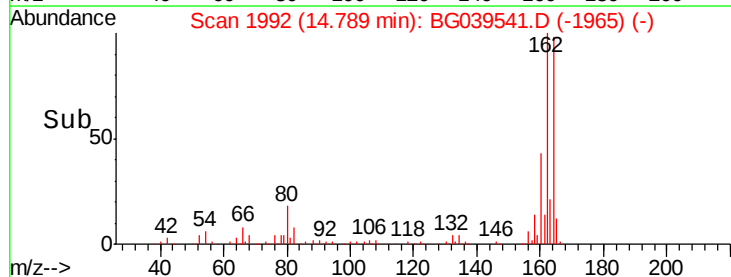
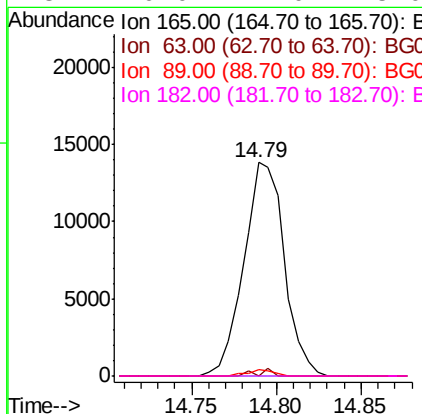
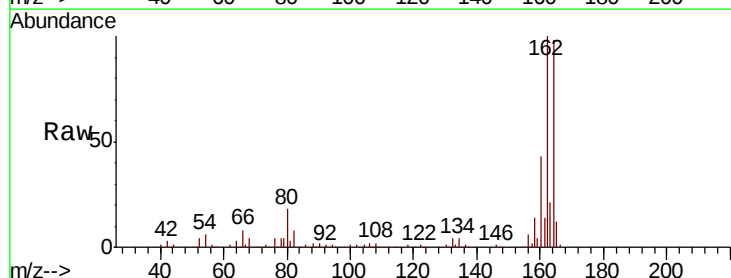
Delta R.T. -0.37 min

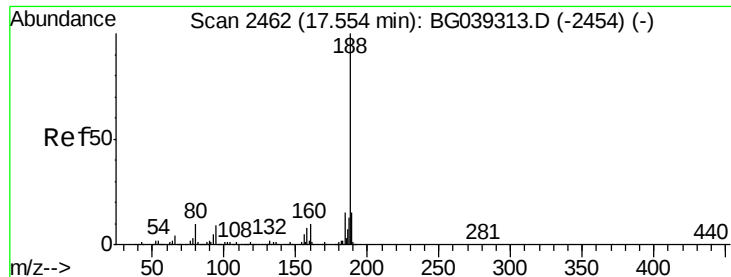
Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

Tgt Ion:165 Resp: 22967

Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	3.3	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

Instrument :

BNA_G

ClientSampleId :

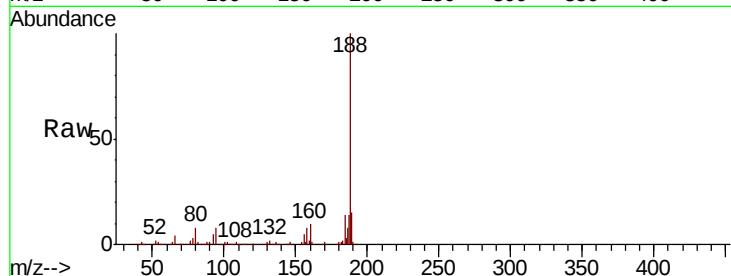
Tot Ion:188 Resp: 434237

Ion Ratio Lower Upper

188 100

94 7.8 6.9 10.3

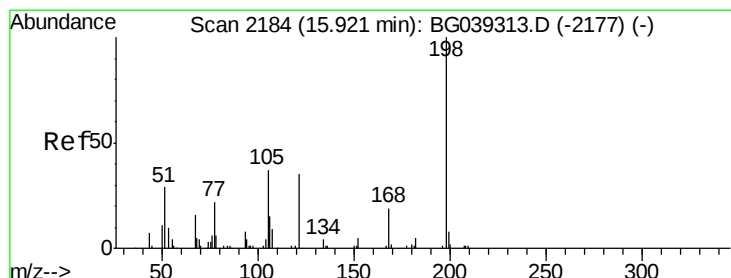
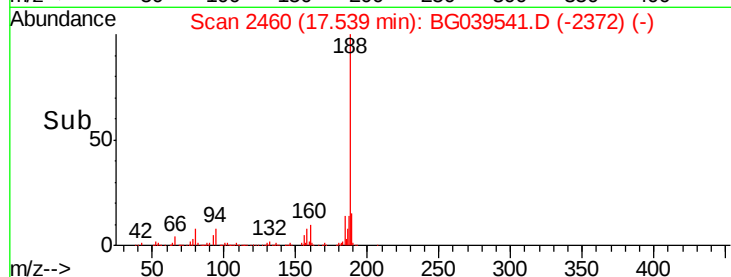
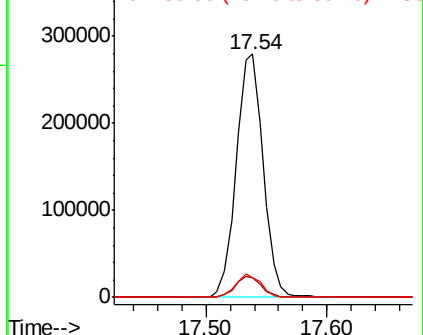
80 8.2 8.1 12.1



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: 4.662 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

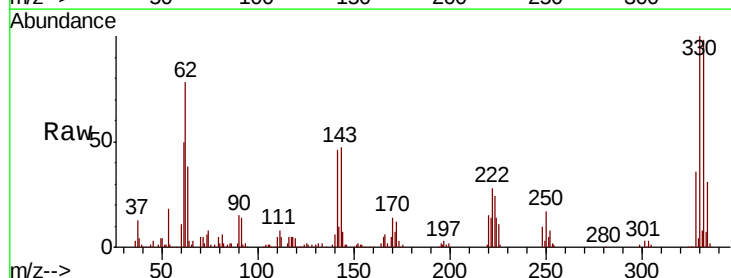
Tgt Ion:198 Resp: 661

Ion Ratio Lower Upper

198 100

51 152.3 27.4 67.4#

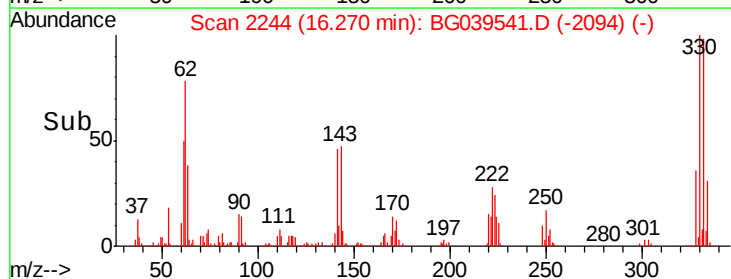
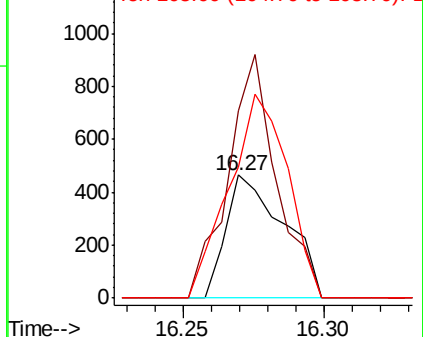
105 106.9 19.7 59.7#

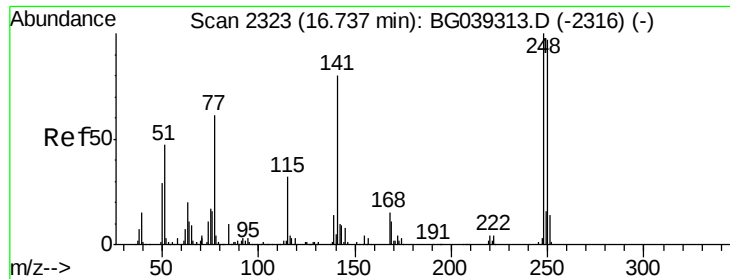


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.276 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

Instrument :

BNA_G

ClientSampleId :

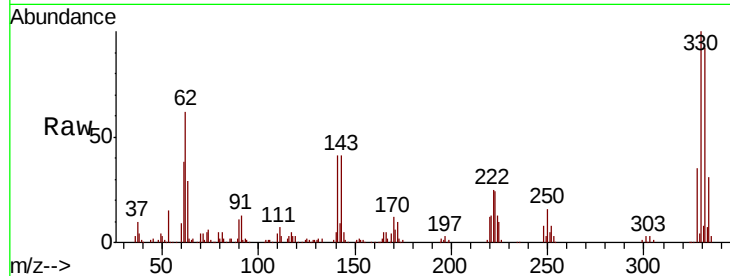
Tot Ion:248 Resp: 15782

Ion Ratio Lower Upper

248 100

250 197.9 77.6 116.4#

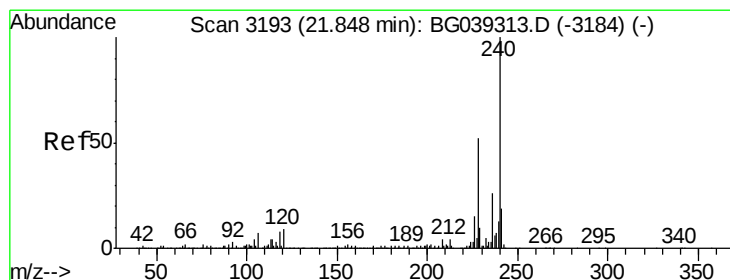
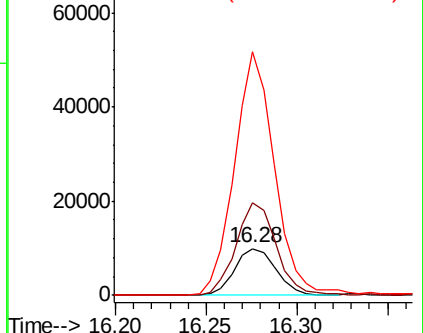
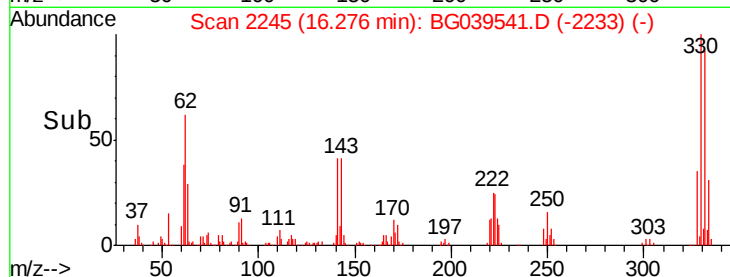
141 520.7 63.9 95.9#



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: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

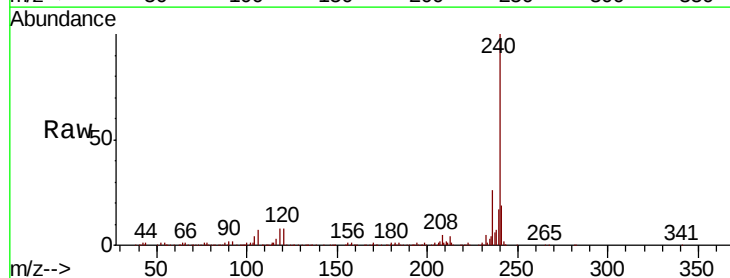
Tgt Ion:240 Resp: 435481

Ion Ratio Lower Upper

240 100

120 8.2 7.0 10.6

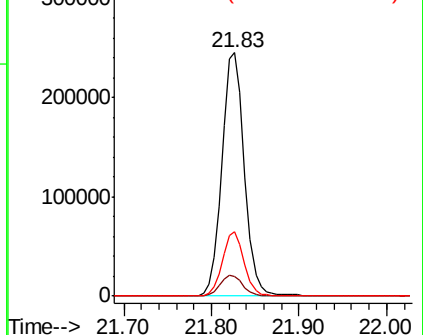
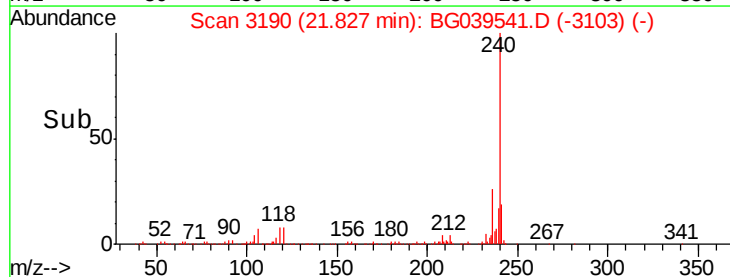
236 26.3 21.0 31.4

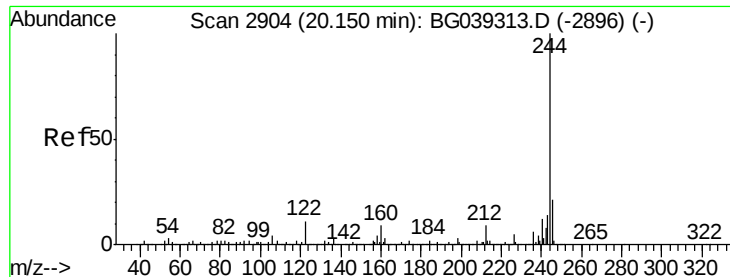


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 58.450 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

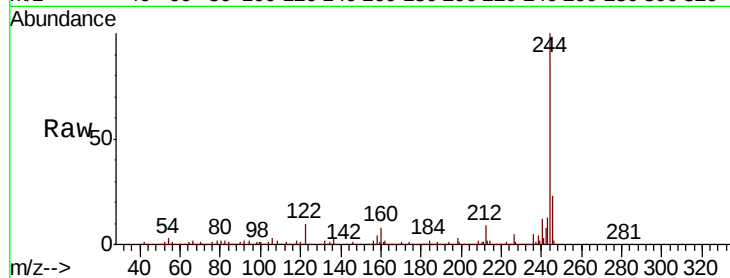
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1202530

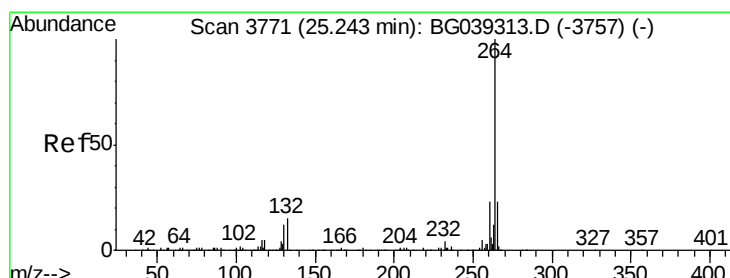
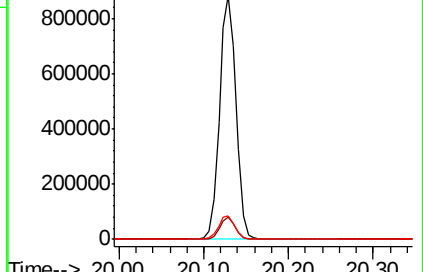
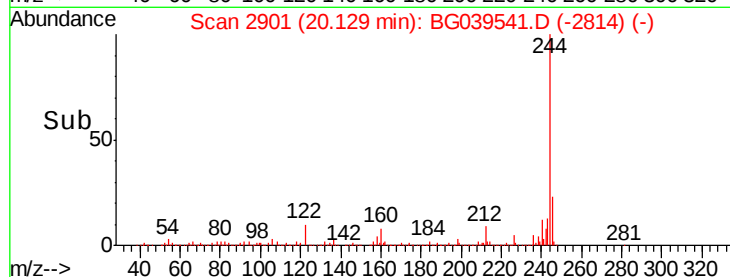
Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.3	10.9
122	9.7	8.4	12.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.20 min Scan# 3765

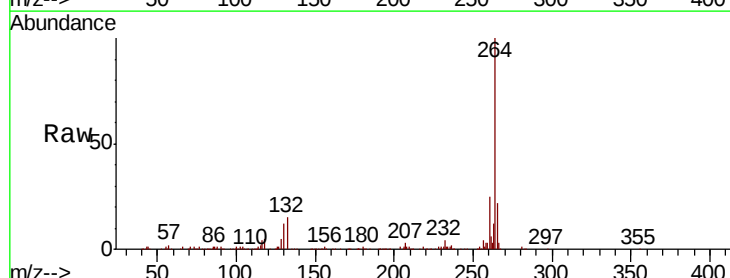
Delta R.T. -0.04 min

Lab File: BG039541.D

Acq: 18 Feb 2019 16:08

Tgt Ion:264 Resp: 407189

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.2	27.4
265	21.6	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

