

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021819\
 Data File : BG039540.D
 Acq On : 18 Feb 2019 15:29
 Operator : JU/SJ
 Sample : PB117160BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 18 16:13:21 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	45460	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	206331	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	141644	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	362282	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	382970	20.00	ng	-0.02
87) Perylene-d12	25.21	264	352866	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	350959	132.13	ng	0.00
7) Phenol-d6	7.32	99	521815	133.46	ng	0.00
23) Nitrobenzene-d5	9.34	82	296965	89.91	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	195740	128.33	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	774045	78.39	ng	-0.02
79) Terphenyl-d14	20.13	244	1295730	71.62	ng	-0.02

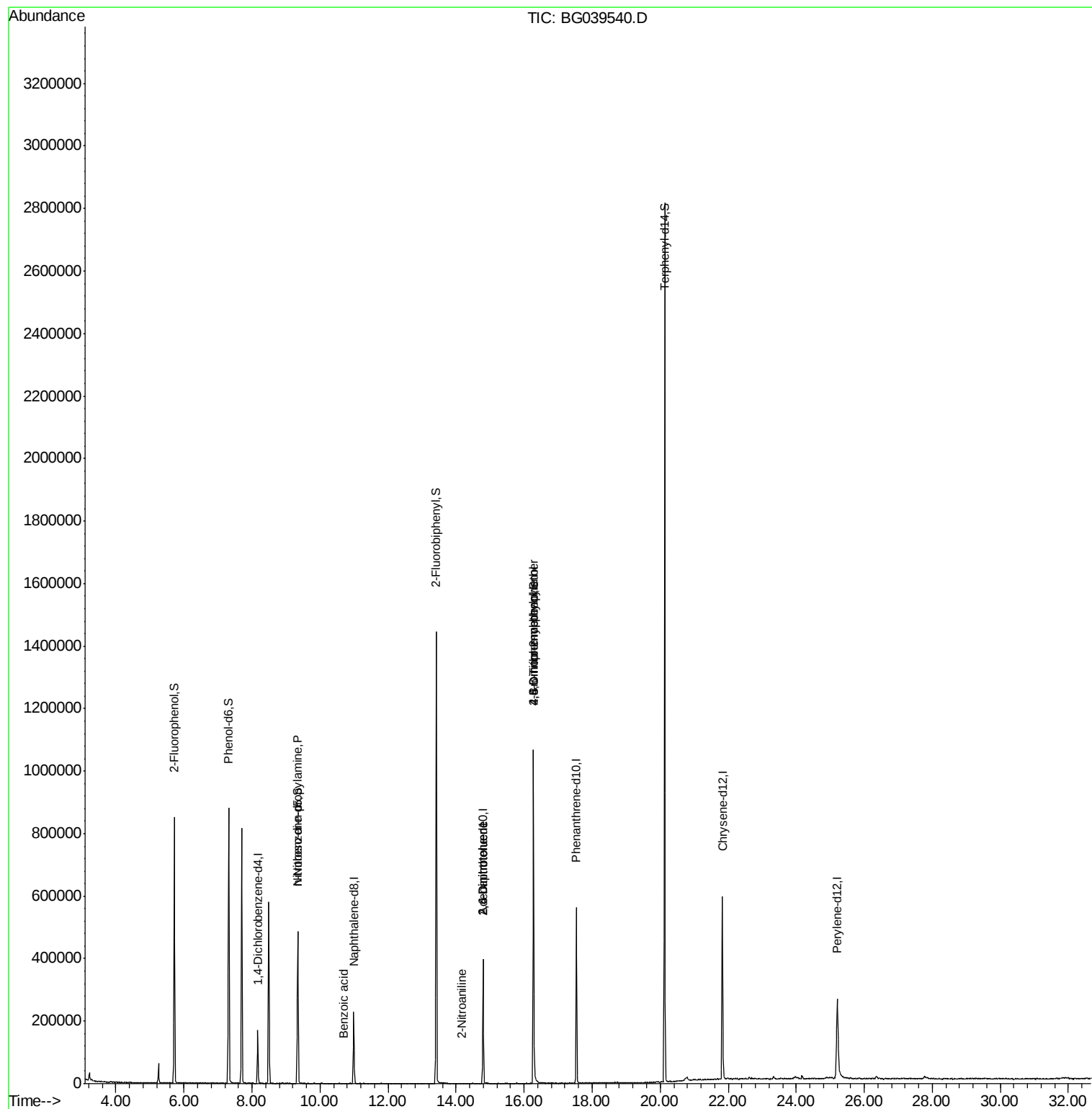
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	771	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	39207	14.129	ng	# 71
32) Benzoic acid	10.68	122	69	9.050	ng	# 1
48) 2-Nitroaniline	14.16	65	54	8.314	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	18388	13.984	ng	# 24
57) 2,4-Dinitrotoluene	14.79	165	18388	13.445	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	597	4.703	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	15066	3.749	ng	# 1

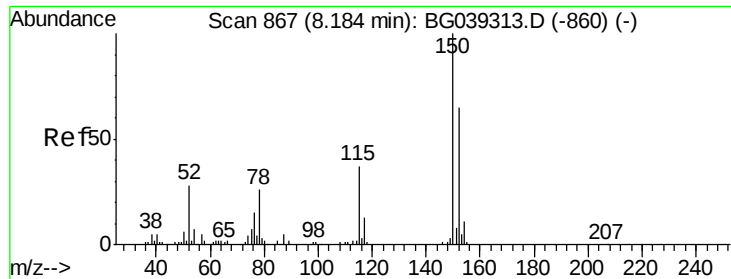
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021819\
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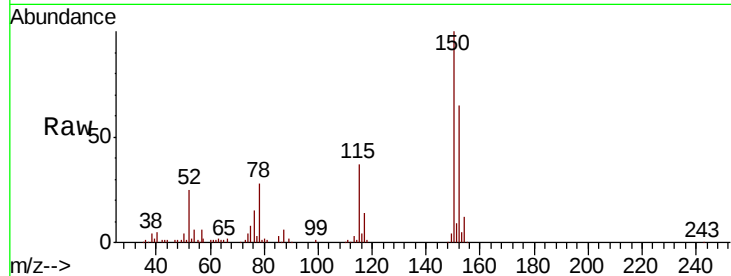


#1

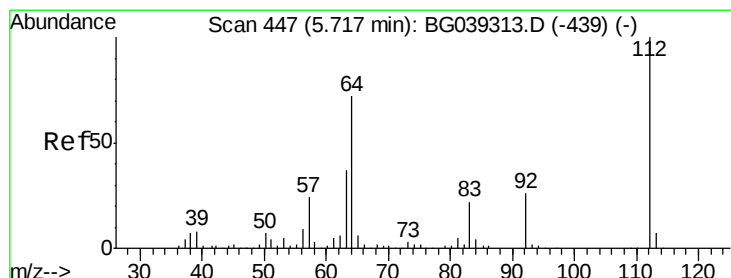
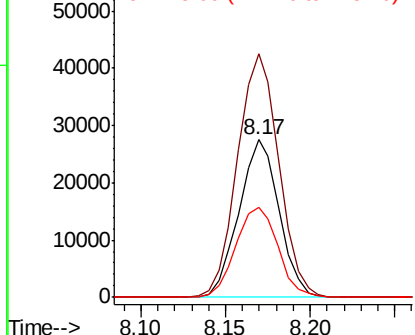
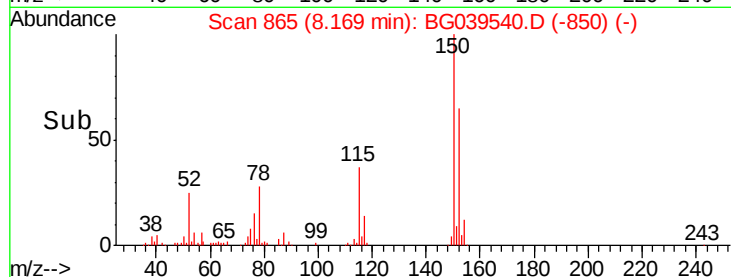
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039540.D
Acq: 18 Feb 2019 15:29

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 45460
Ion Ratio Lower Upper
152 100
150 154.8 123.7 185.5
115 57.1 45.9 68.9



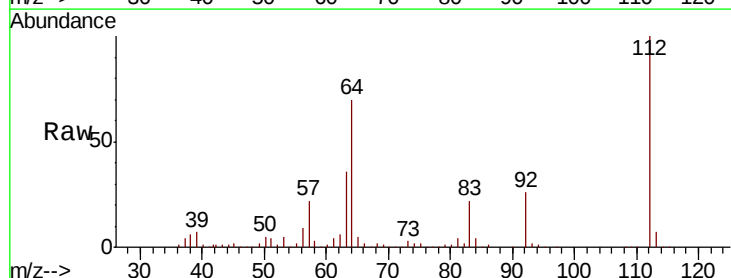
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



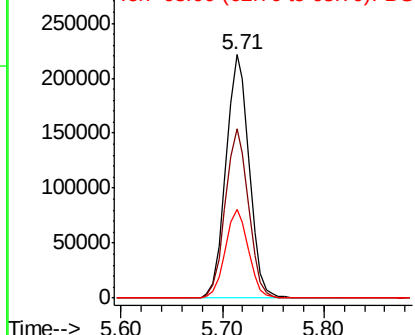
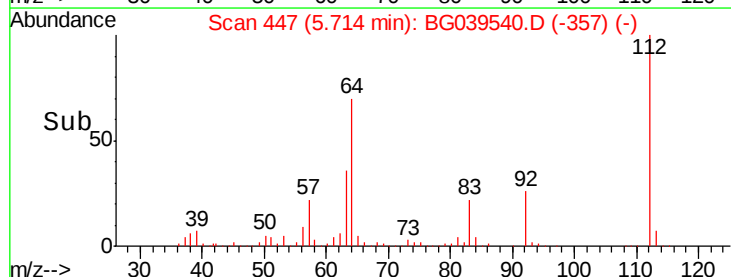
#5

2-Fluorophenol
Concen: 132.131 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039540.D
Acq: 18 Feb 2019 15:29

Tgt Ion:112 Resp: 350959
Ion Ratio Lower Upper
112 100
64 69.7 57.8 86.8
63 36.2 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: 133.465 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039540.D

Acq: 18 Feb 2019 15:29

Instrument :

BNA_G

ClientSampleId :

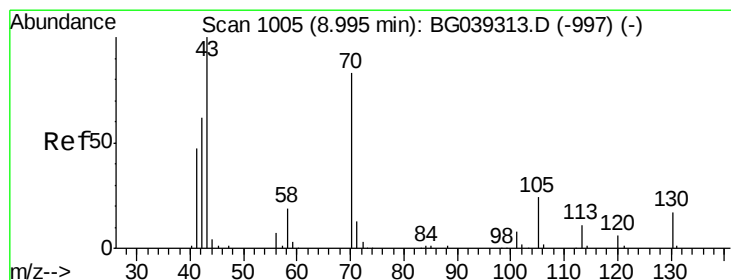
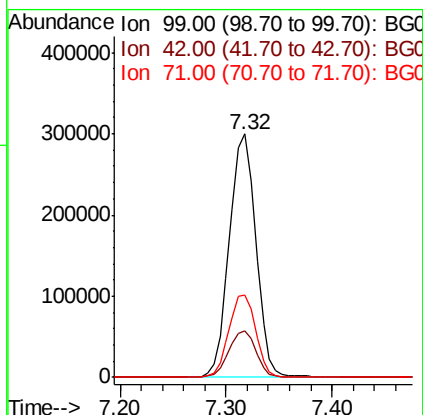
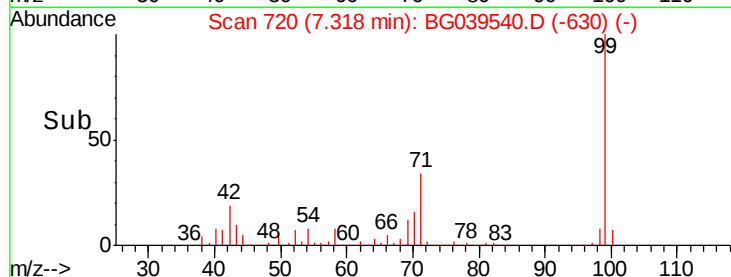
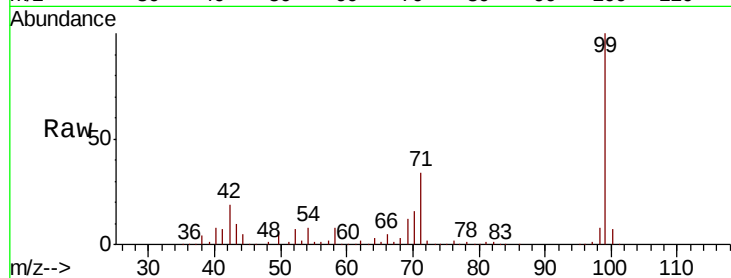
Tot Ion: 99 Resp: 521815

Ion Ratio Lower Upper

99 100

42 19.4 18.2 27.2

71 33.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.129 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039540.D

Acq: 18 Feb 2019 15:29

Tgt Ion: 70 Resp: 39207

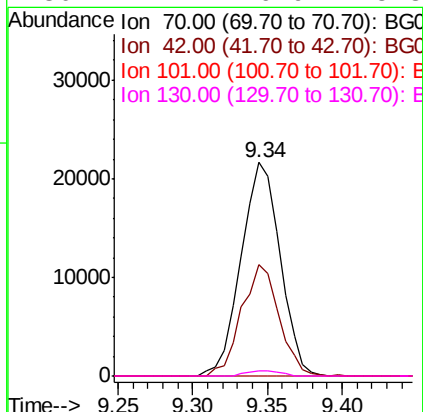
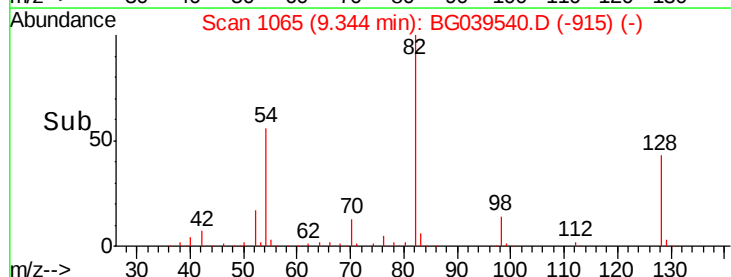
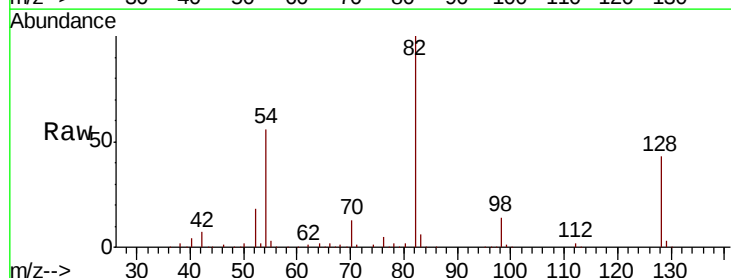
Ion Ratio Lower Upper

70 100

42 52.4 60.4 90.6#

101 0.0 7.5 11.3#

130 2.4 16.9 25.3#

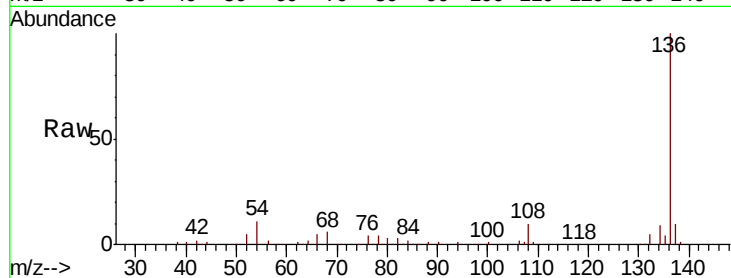




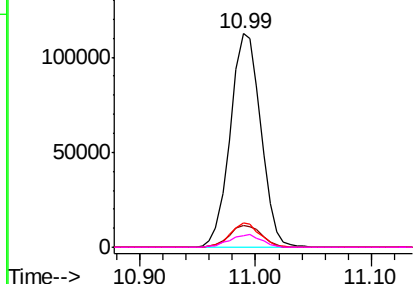
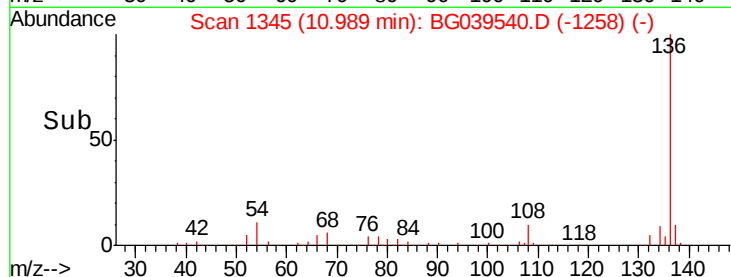
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039540.D
Acq: 18 Feb 2019 15:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	206331
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.1 13.7
54	11.1	9.4 14.2
68	5.6	4.2 6.4

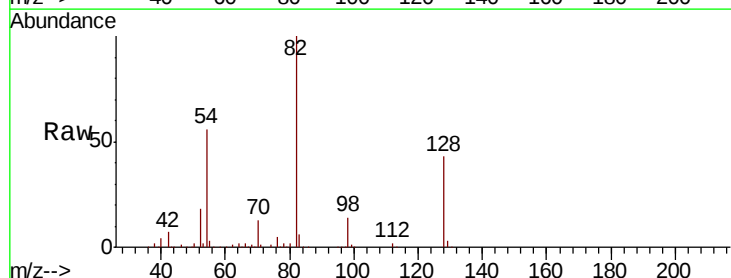


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

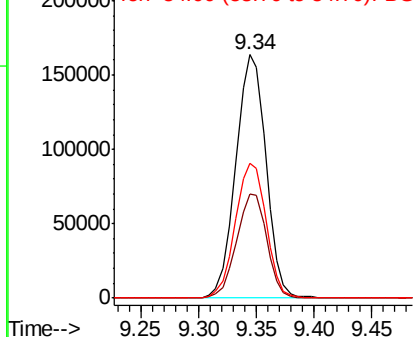
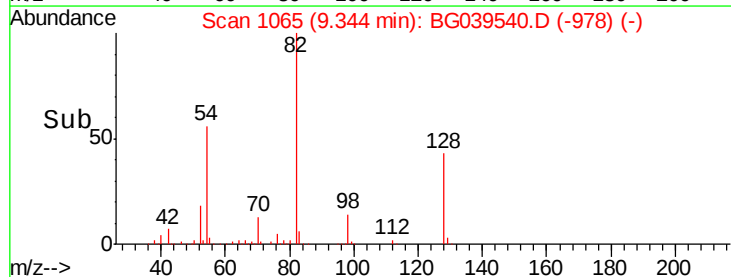


#23
Nitrobenzene-d5
Concen: 89.913 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039540.D
Acq: 18 Feb 2019 15:29

Tgt Ion: 82	Resp:	296965
Ion Ratio	Lower	Upper
82	100	
128	43.0	31.3 46.9
54	55.6	50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

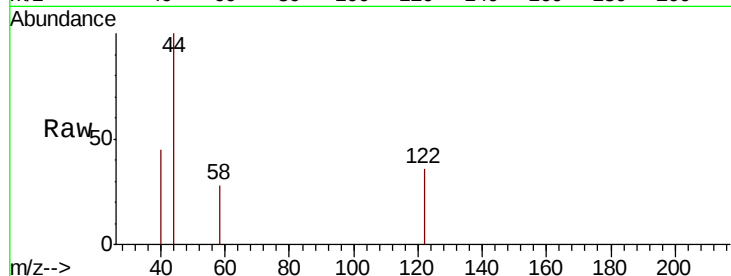




#32
Benzoic acid
Concen: 9.050 ng
RT: 10.68 min Scan# 1293
Delta R.T. 0.42 min
Lab File: BG039540.D
Acq: 18 Feb 2019 15:29

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#

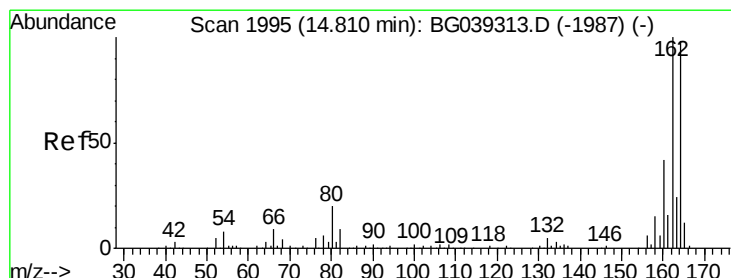
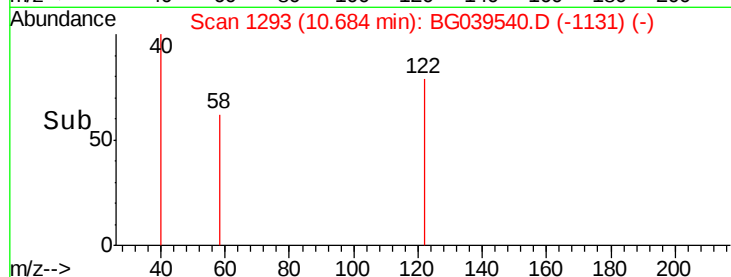
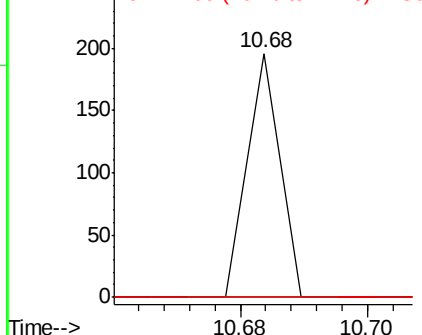


Abundance

Ion 122.00 (121.70 to 122.70): E

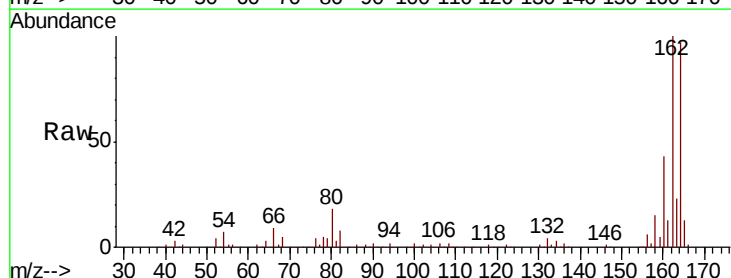
Ion 105.00 (104.70 to 105.70): E

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. -0.02 min
Lab File: BG039540.D
Acq: 18 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.6	122.4
160	43.9	34.2	51.2

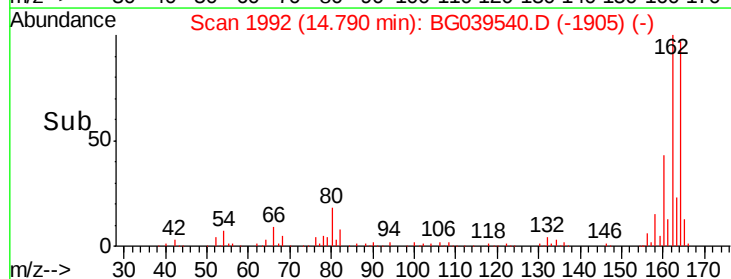
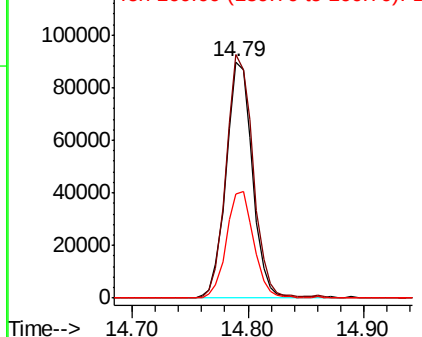


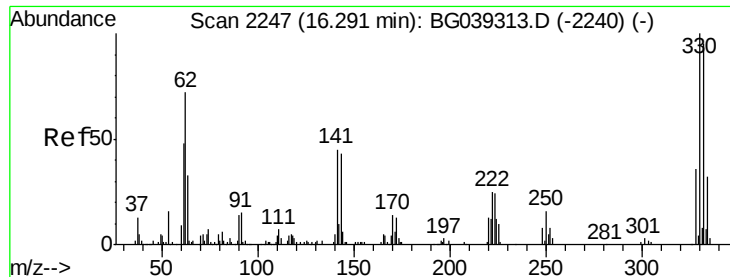
Abundance

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

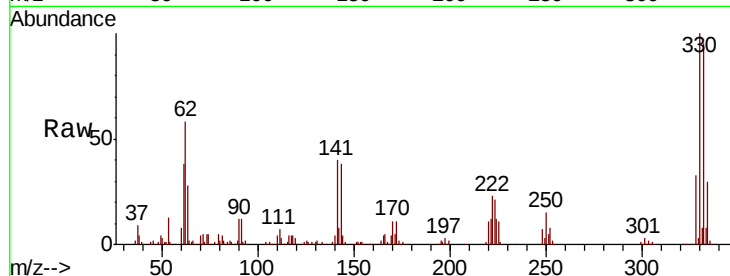




#42
 2,4,6-Tribromophenol
 Concen: 128.332 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039540.D
 Acq: 18 Feb 2019 15:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.7	113.5
141	40.2	35.6	53.4

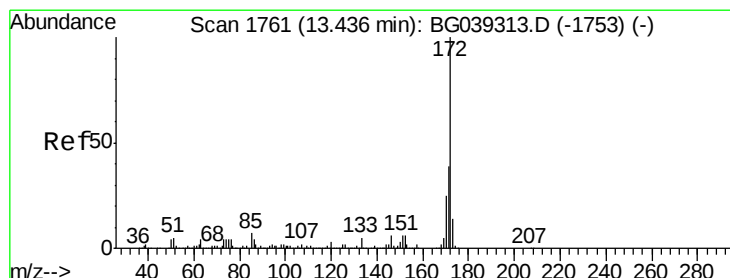
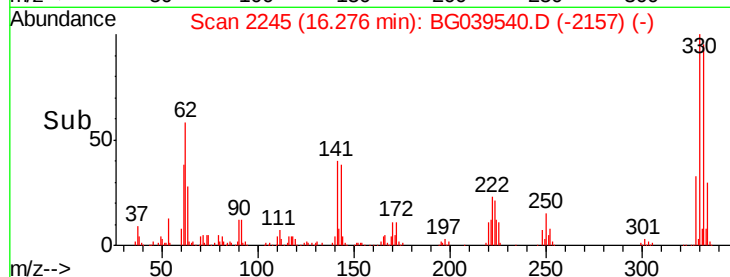
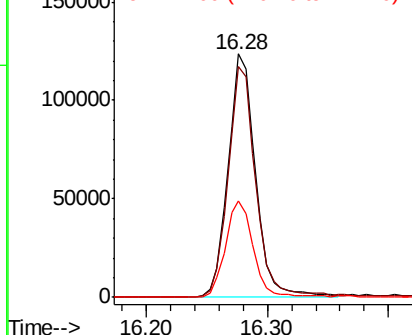


Abundance

Ion 329.80 (329.50 to 330.50): E

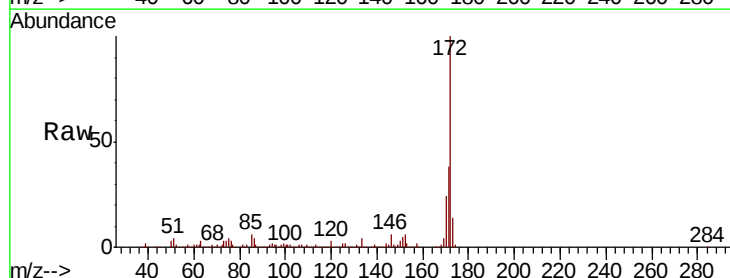
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.394 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039540.D
 Acq: 18 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.8	46.2
170	24.2	20.2	30.4

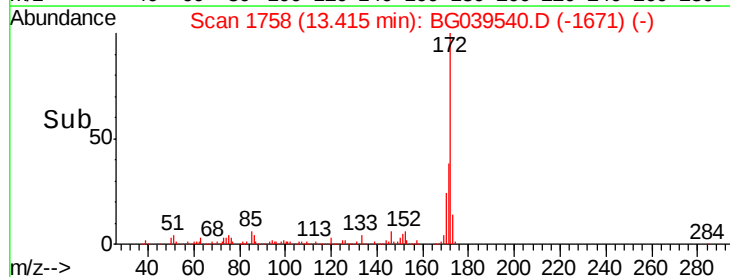
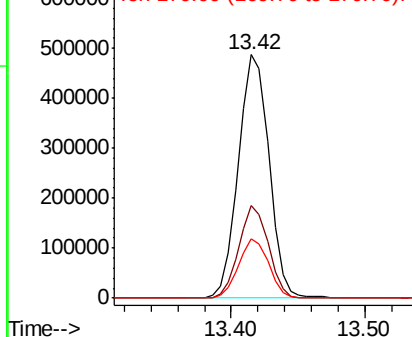


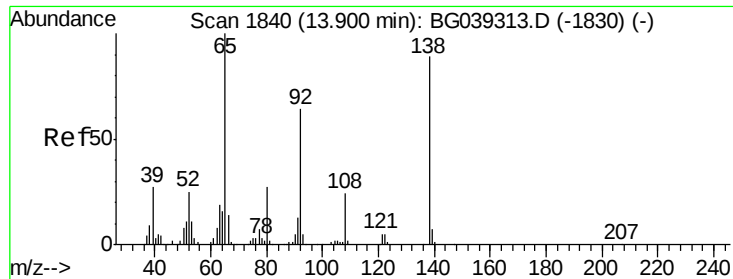
Abundance

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: 8.314 ng

RT: 14.16 min Scan# 1885

Delta R.T. 0.26 min

Lab File: BG039540.D

Acq: 18 Feb 2019 15:29

Instrument :

BNA_G

ClientSampleId :

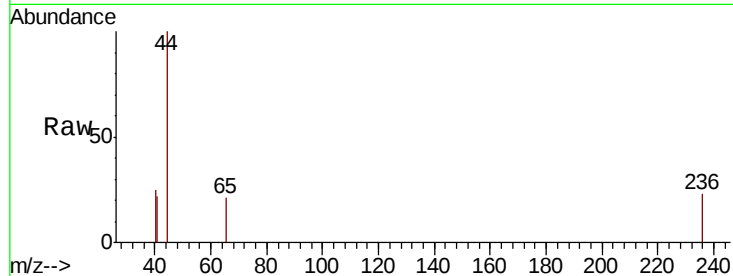
Tot Ion: 65 Resp: 54

Ion Ratio Lower Upper

65 100

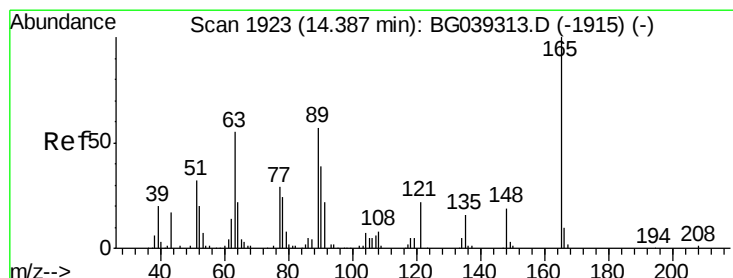
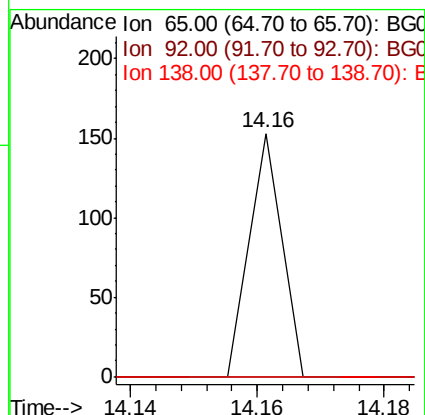
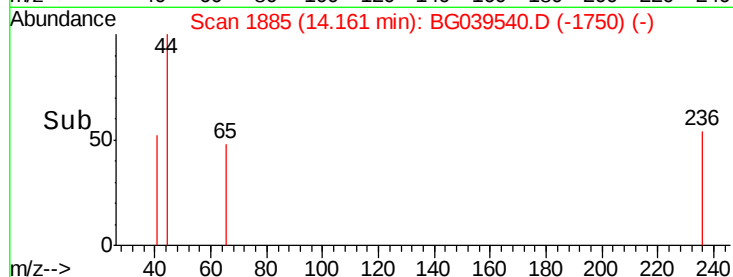
92 0.0 51.4 77.2#

138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

14.16



#51

2,6-Dinitrotoluene

Concen: 13.984 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039540.D

Acq: 18 Feb 2019 15:29

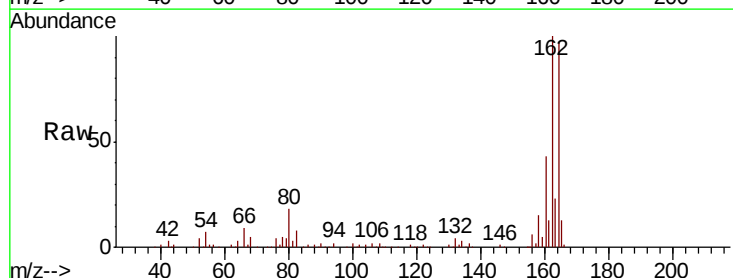
Tgt Ion:165 Resp: 18388

Ion Ratio Lower Upper

165 100

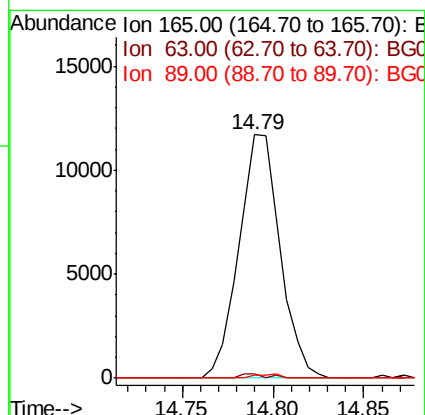
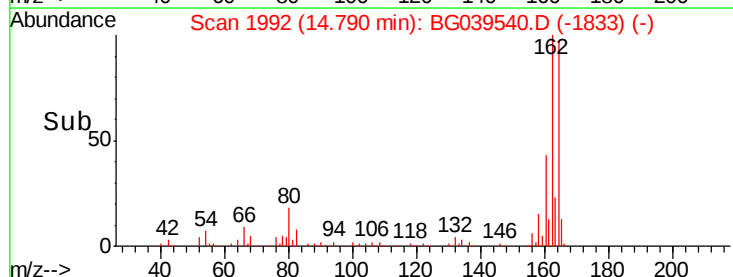
63 1.6 47.0 70.6#

89 1.3 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

14.79

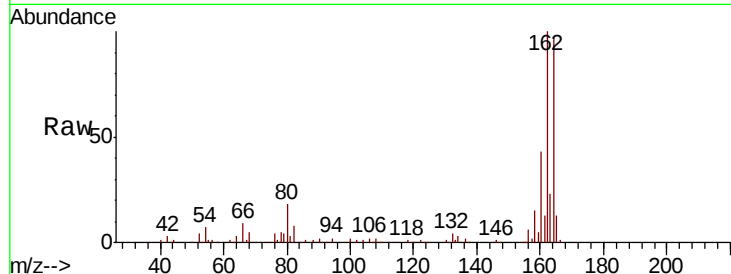




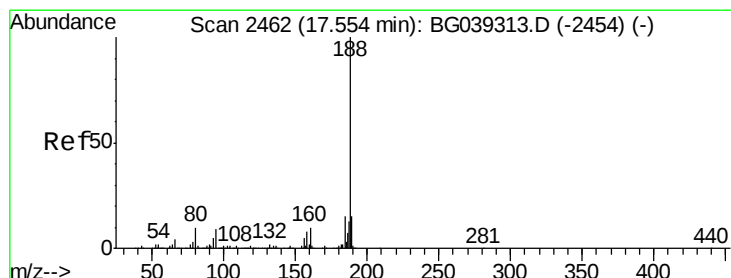
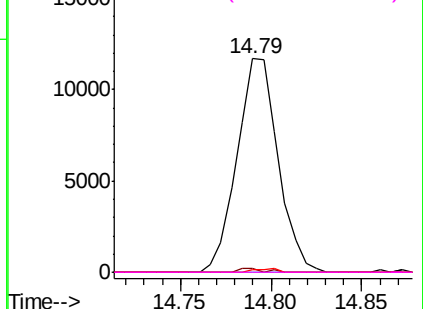
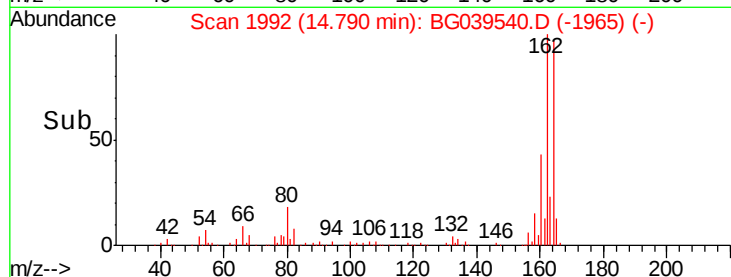
#57
 2,4-Dinitrotoluene
 Concen: 13.445 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039540.D
 Acq: 18 Feb 2019 15:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	41.0	61.6#
89	1.3	64.6	96.8#
182	0.0	2.0	3.0#

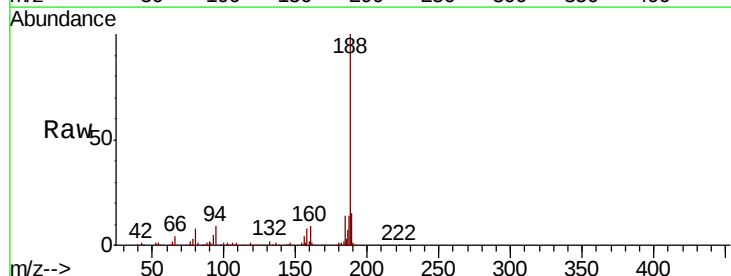


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

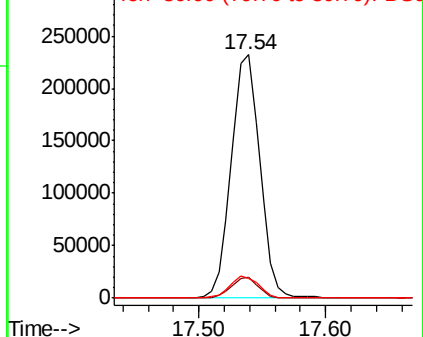
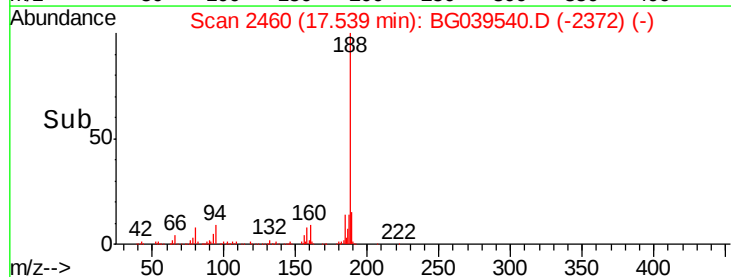


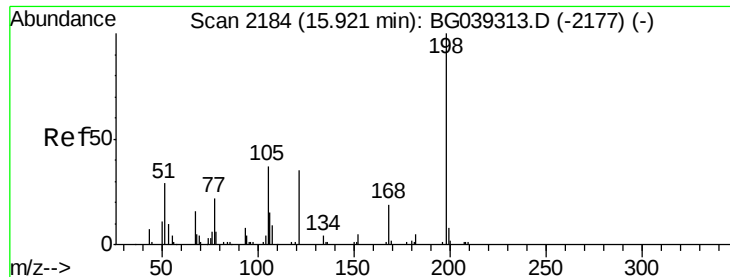
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.54 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: BG039540.D
 Acq: 18 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.9	10.3
80	8.3	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

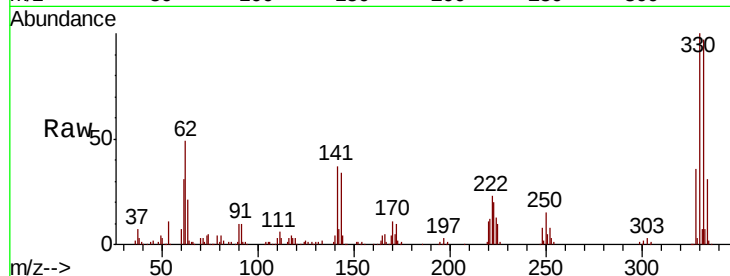




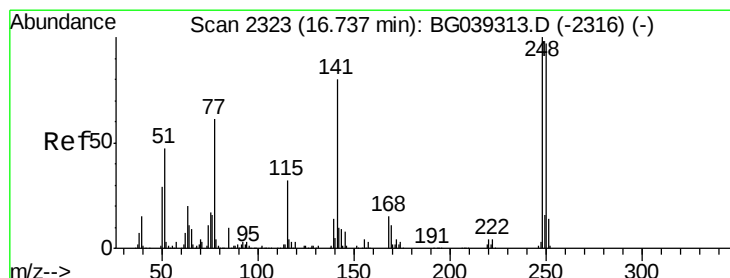
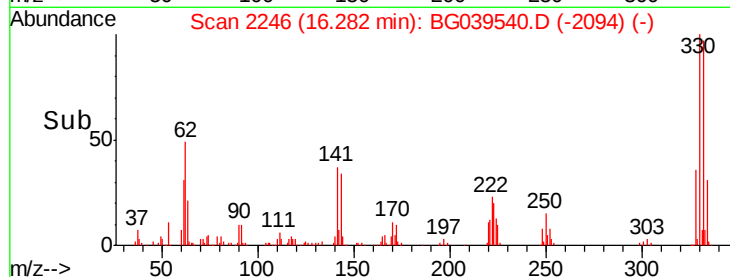
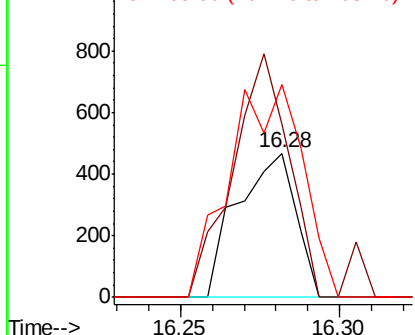
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.703 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039540.D
 Acq: 18 Feb 2019 15:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 597
 Ion Ratio Lower Upper
 198 100
 51 120.5 27.4 67.4#
 105 147.4 19.7 59.7#

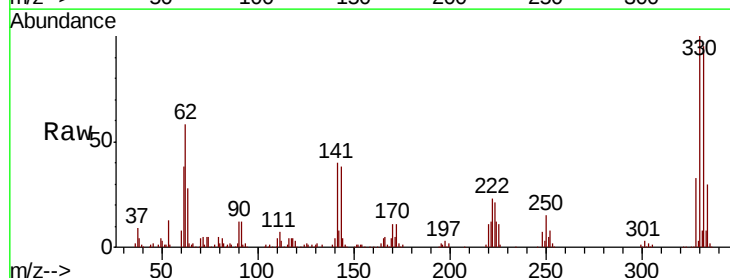


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

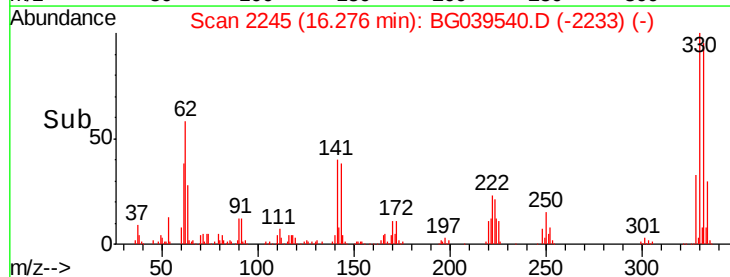
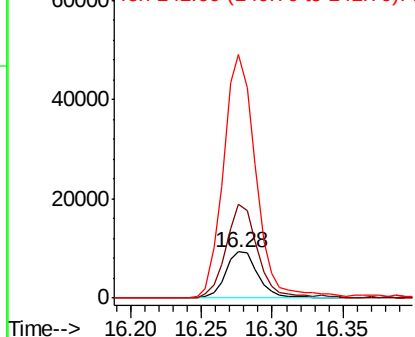


#67
 4-Bromophenyl-phenylether
 Concen: 3.749 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039540.D
 Acq: 18 Feb 2019 15:29

Tgt Ion:248 Resp: 15066
 Ion Ratio Lower Upper
 248 100
 250 204.3 77.6 116.4#
 141 530.2 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

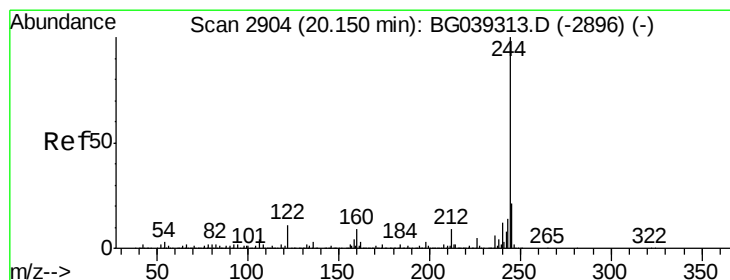
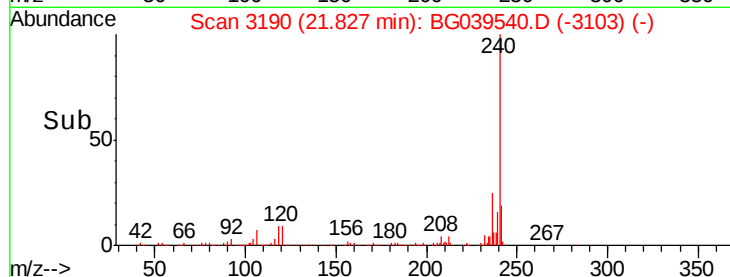
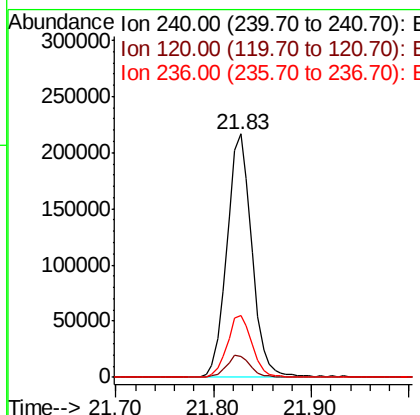
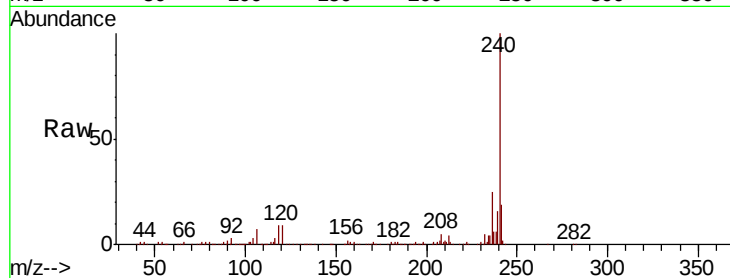




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039540.D
Acq: 18 Feb 2019 15:29

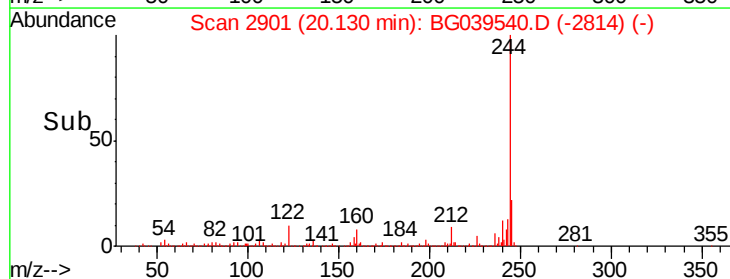
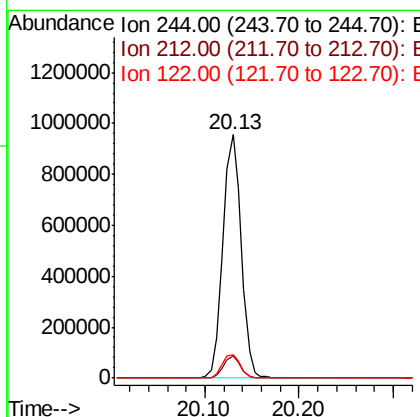
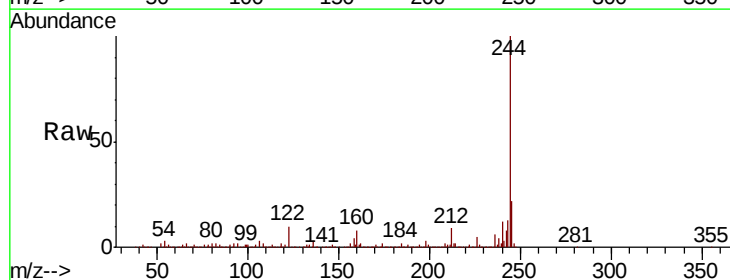
Instrument :
BNA_G
ClientSampled :

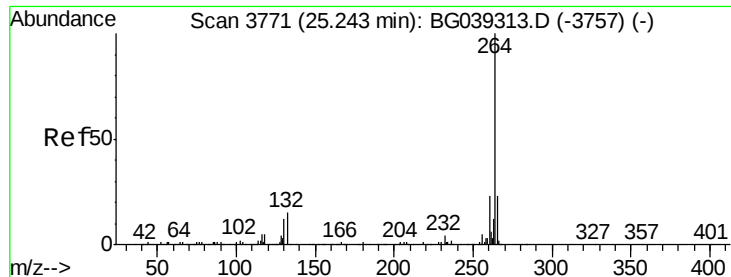
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.0	10.6
236	25.4	21.0	31.4



#79
Terphenyl-d14
Concen: 71.615 ng
RT: 20.13 min Scan# 2901
Delta R.T. -0.02 min
Lab File: BG039540.D
Acq: 18 Feb 2019 15:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.3	10.9
122	9.8	8.4	12.6





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.21 min Scan# 3766
 Delta R.T. -0.03 min
 Lab File: BG039540.D
 Acq: 18 Feb 2019 15:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.2	27.4
265	23.3	18.5	27.7

