

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022119\
 Data File : BG039581.D
 Acq On : 21 Feb 2019 21:26
 Operator : JU/SJ
 Sample : K1345-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-022019

Quant Time: Feb 21 22:05:16 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	54284	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	244128	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	167110	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	403833	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	406355	20.00	ng	-0.03
87) Perylene-d12	25.21	264	334678	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	426286	134.40	ng	0.00
7) Phenol-d6	7.32	99	552489	118.34	ng	0.00
23) Nitrobenzene-d5	9.34	82	419691	107.40	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	206001	114.48	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	986494	84.69	ng	-0.02
79) Terphenyl-d14	20.13	244	1589475	82.80	ng	-0.02

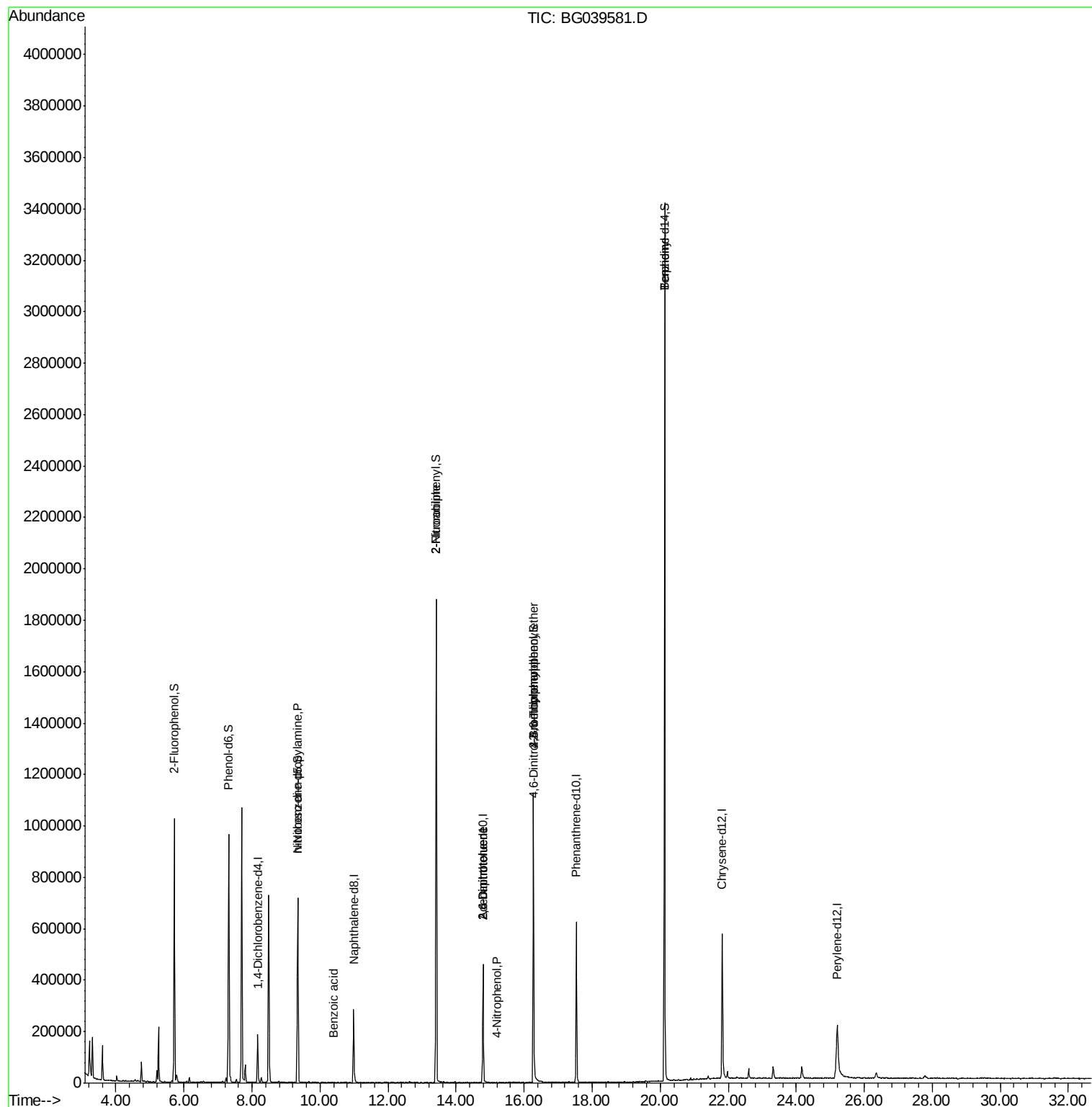
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.29	77	2033	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	9.34	70	54780	16.532	ng	# 68
32) Benzoic acid	10.40	122	55	9.040	ng	# 1
48) 2-Nitroaniline	13.42	65	1721	8.770	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	21575	13.944	ng	# 24
56) 4-Nitrophenol	15.18	139	493	5.981	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	21575	13.414	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.29	198	707	4.736	ng	# 68
67) 4-Bromophenyl-phenylether	16.28	248	15844	3.537	ng	# 1
77) Benzidine	20.13	184	28353	2.128	ng	97

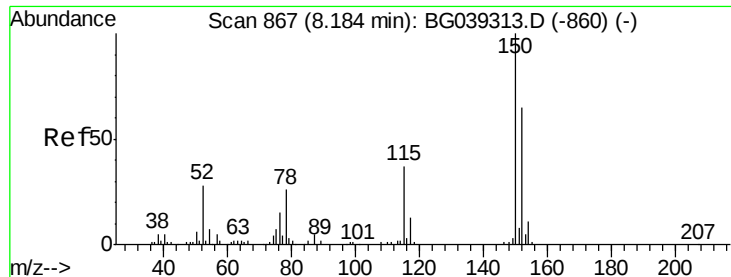
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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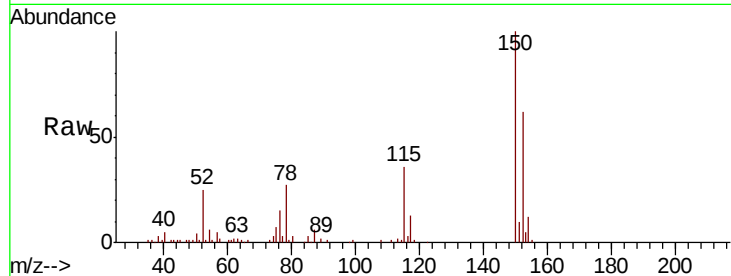


#1

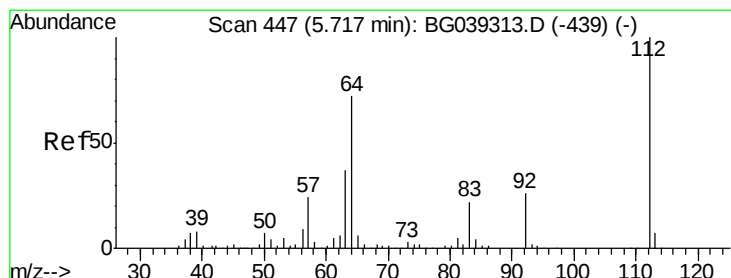
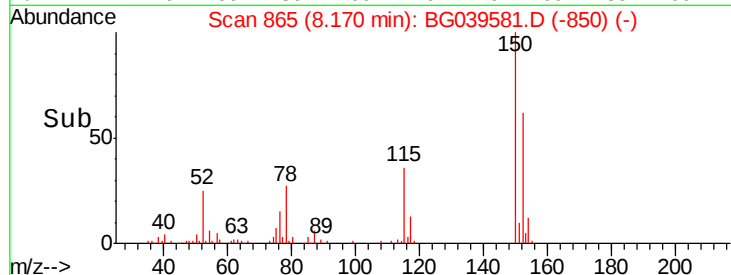
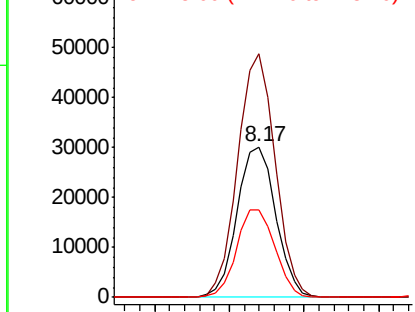
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039581.D
Acq: 21 Feb 2019 21:26

Instrument :
BNA_G
ClientSampleId :
HD-01-022019

Tgt Ion:152 Resp: 54284
Ion Ratio Lower Upper
152 100
150 162.2 123.7 185.5
115 57.8 45.9 68.9



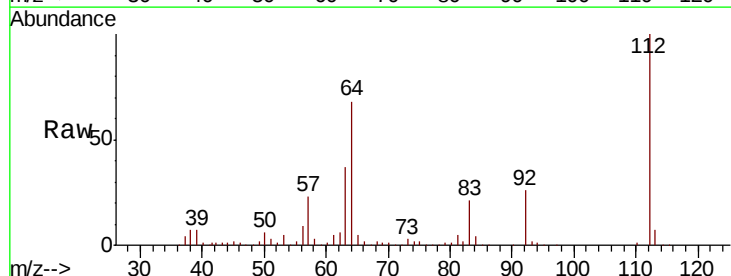
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



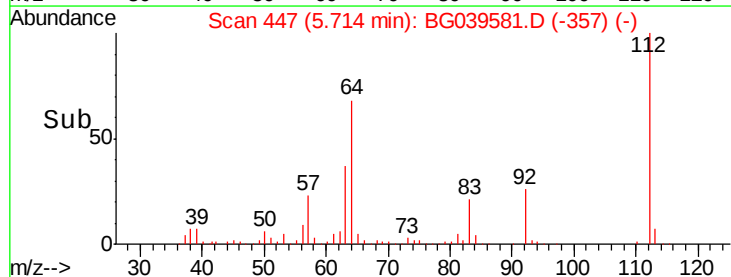
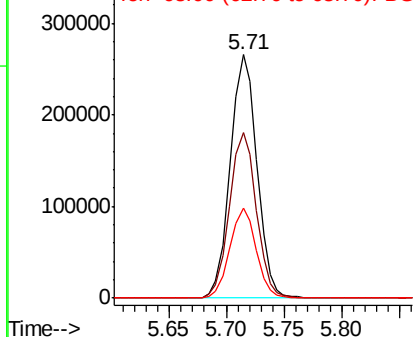
#5

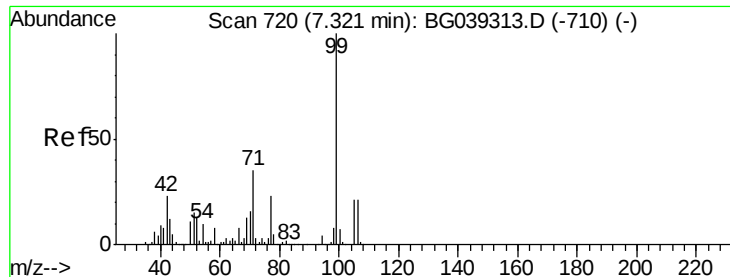
2-Fluorophenol
Concen: 134.403 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039581.D
Acq: 21 Feb 2019 21:26

Tgt Ion:112 Resp: 426286
Ion Ratio Lower Upper
112 100
64 67.9 57.8 86.8
63 37.2 29.8 44.6



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: 118.340 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

Instrument :

BNA_G

ClientSampleId :

HD-01-022019

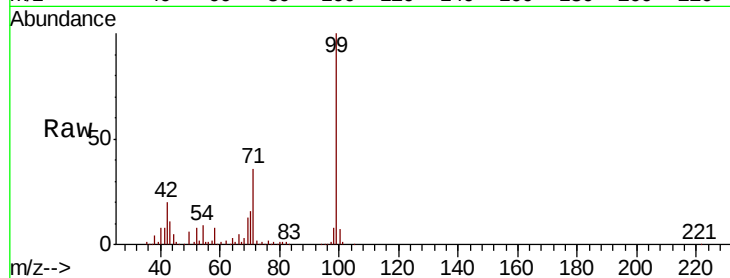
Tgt Ion: 99 Resp: 552489

Ion Ratio Lower Upper

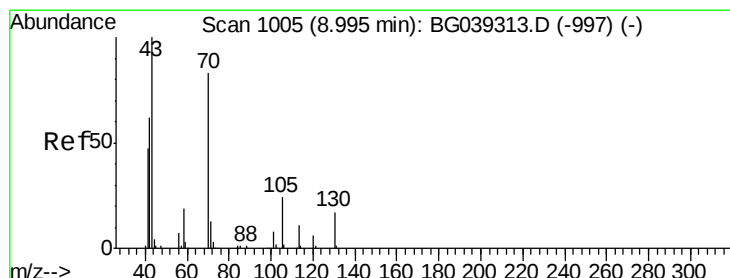
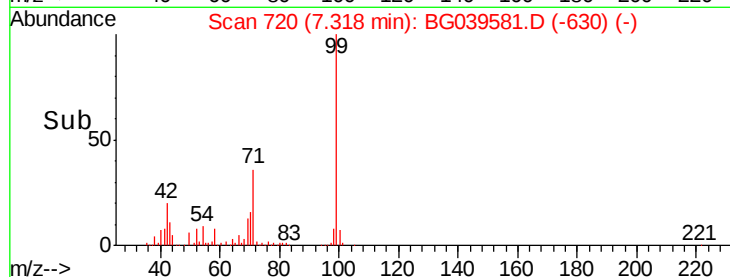
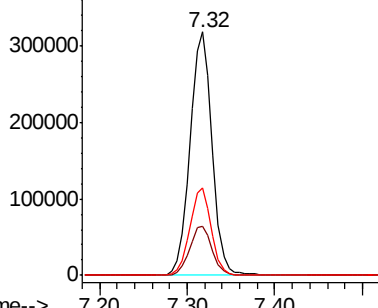
99 100

42 20.4 18.2 27.2

71 35.8 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: 16.532 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

Tgt Ion: 70 Resp: 54780

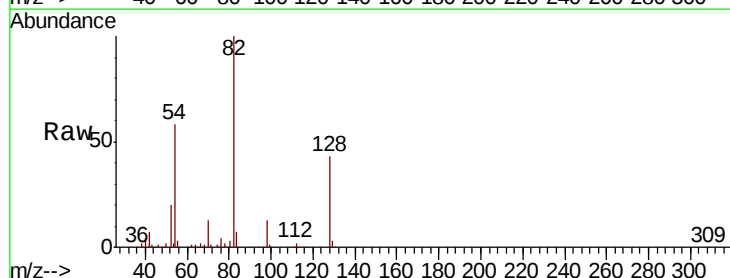
Ion Ratio Lower Upper

70 100

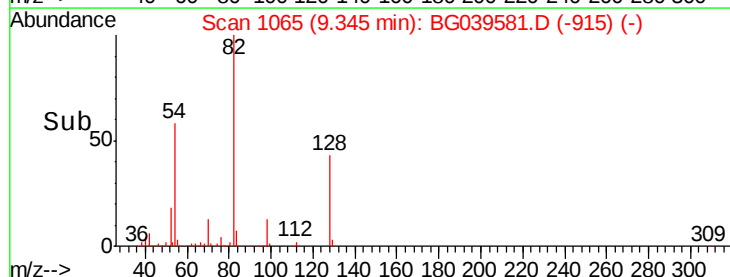
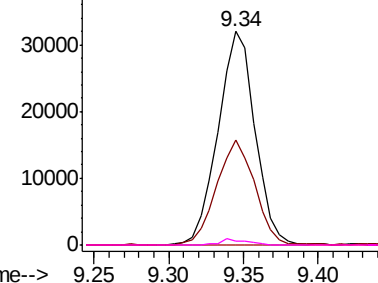
42 49.3 60.4 90.6#

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

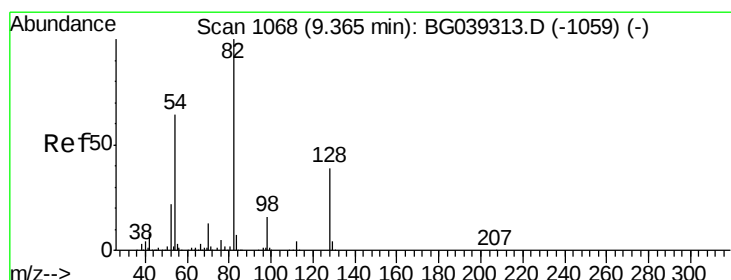
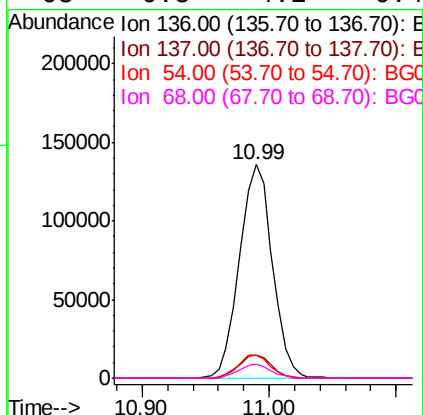
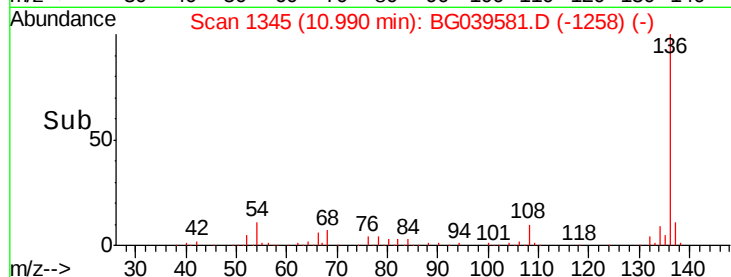
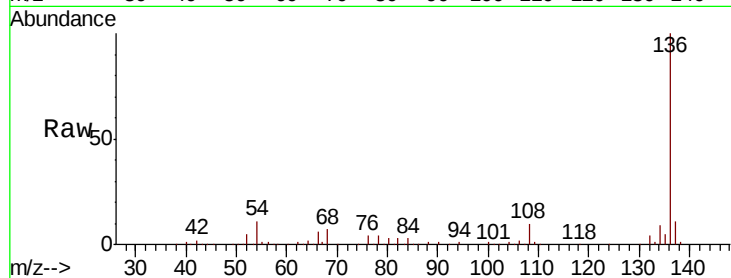




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039581.D
Acq: 21 Feb 2019 21:26

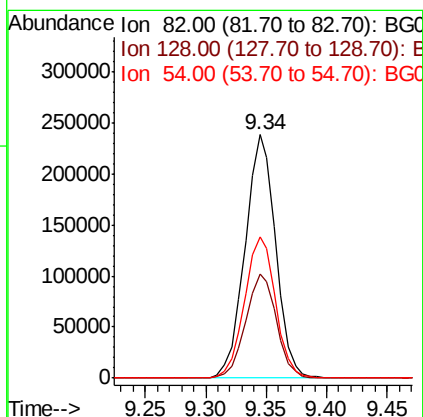
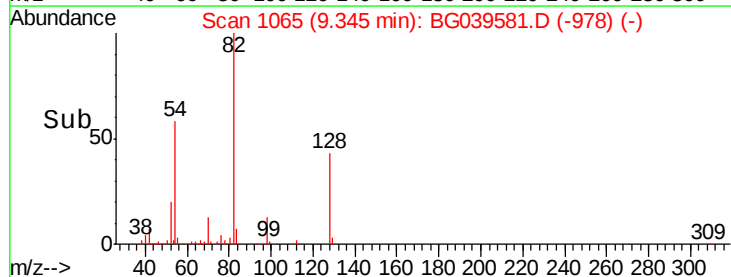
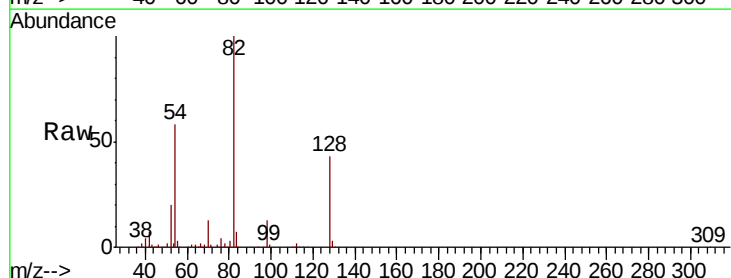
Instrument :
BNA_G
ClientSampleId :
HD-01-022019

Tgt Ion:	136	Resp:	244128
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.9	9.4	14.2
68	6.5	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 107.398 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039581.D
Acq: 21 Feb 2019 21:26

Tgt Ion:	82	Resp:	419691
Ion	Ratio	Lower	Upper
82	100		
128	42.8	31.3	46.9
54	58.0	50.9	76.3

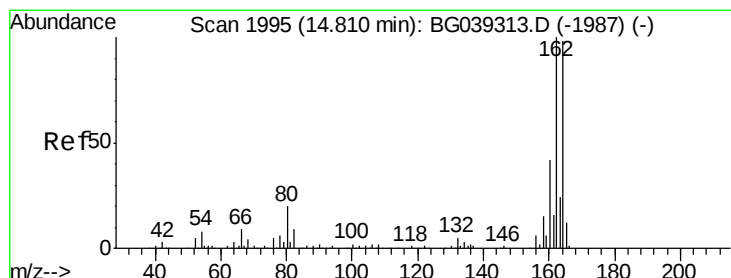
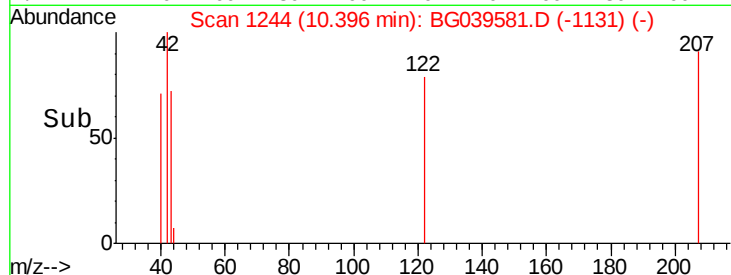
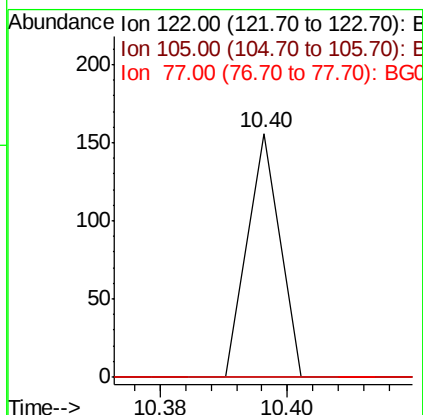
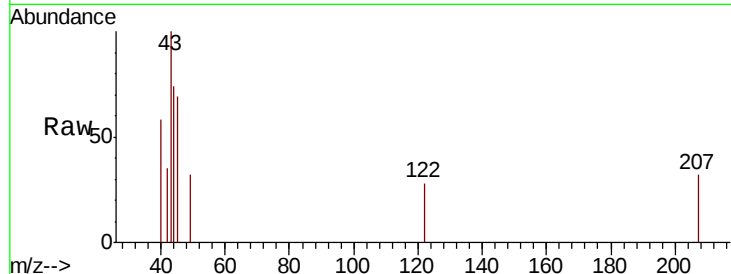




#32
Benzoic acid
Concen: 9.040 ng
RT: 10.40 min Scan# 1244
Delta R.T. 0.13 min
Lab File: BG039581.D
Acq: 21 Feb 2019 21:26

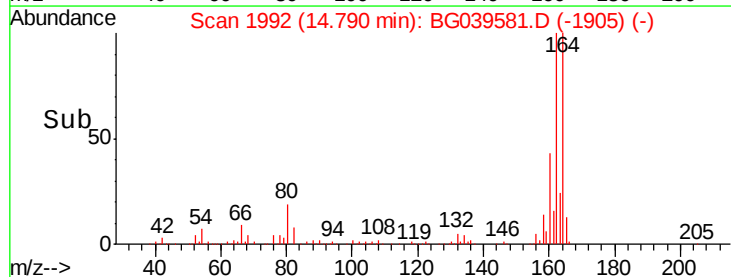
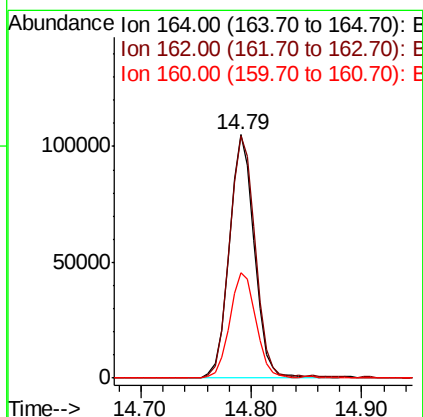
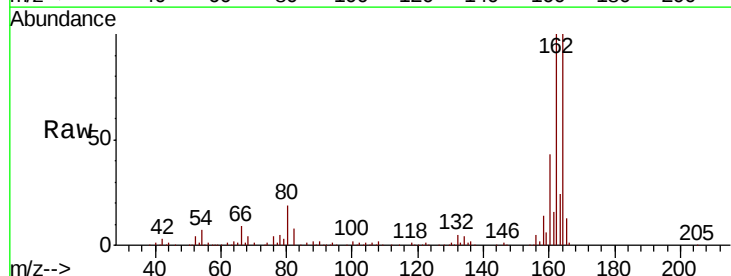
Instrument :
BNA_G
ClientSampleId :
HD-01-022019

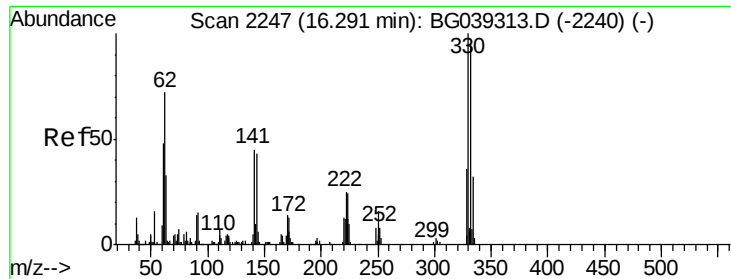
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039581.D
Acq: 21 Feb 2019 21:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.6	122.4
160	43.3	34.2	51.2

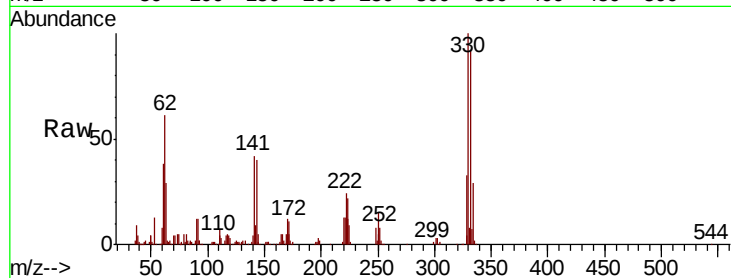




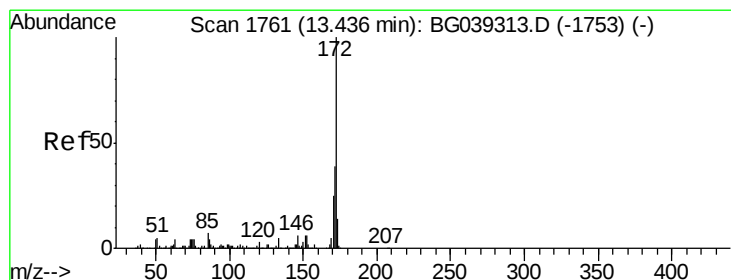
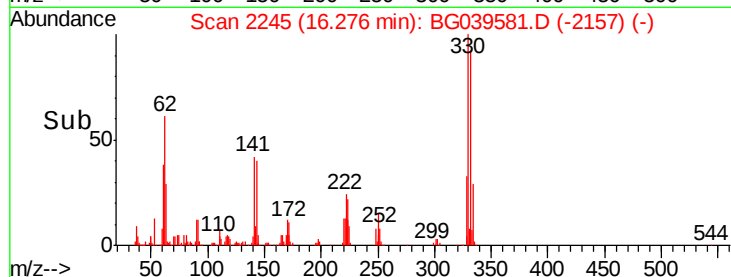
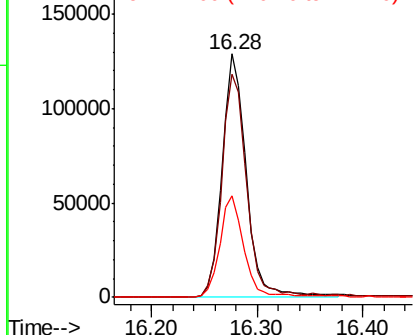
#42
 2,4,6-Tribromophenol
 Concen: 114.478 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039581.D
 Acq: 21 Feb 2019 21:26

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-022019

Tgt Ion: 330 Resp: 206001
 Ion Ratio Lower Upper
 330 100
 332 94.7 75.7 113.5
 141 41.0 35.6 53.4

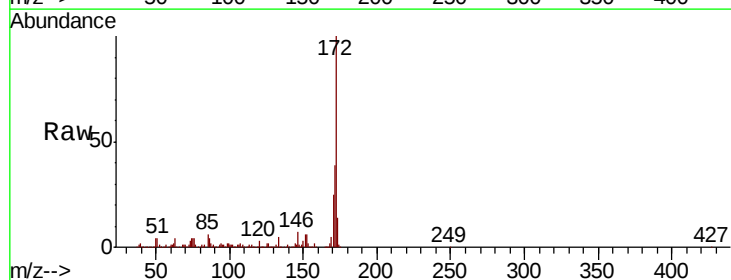


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

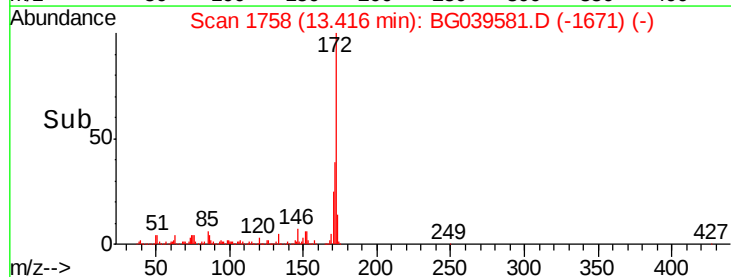
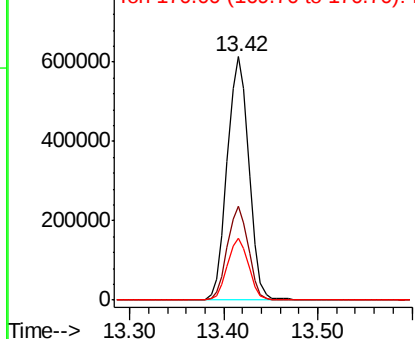


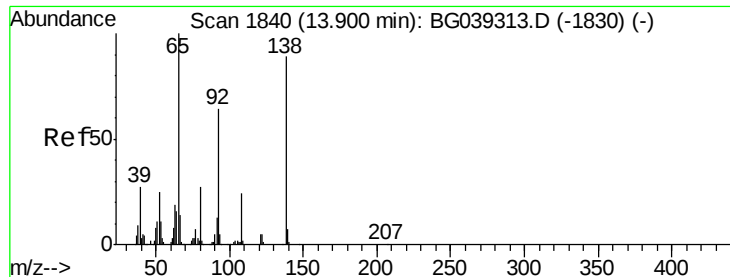
#45
 2-Fluorobiphenyl
 Concen: 84.685 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039581.D
 Acq: 21 Feb 2019 21:26

Tgt Ion: 172 Resp: 986494
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.8 46.2
 170 25.2 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: 8.770 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

Instrument :

BNA_G

ClientSampleId :

HD-01-022019

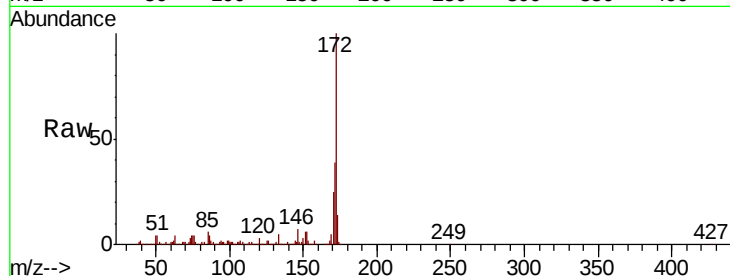
Tgt Ion: 65 Resp: 1721

Ion Ratio Lower Upper

65 100

92 243.0 51.4 77.2#

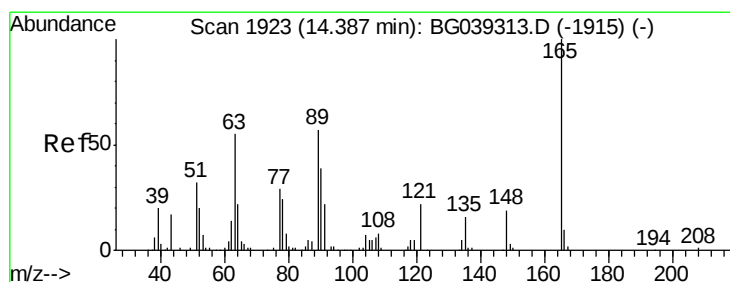
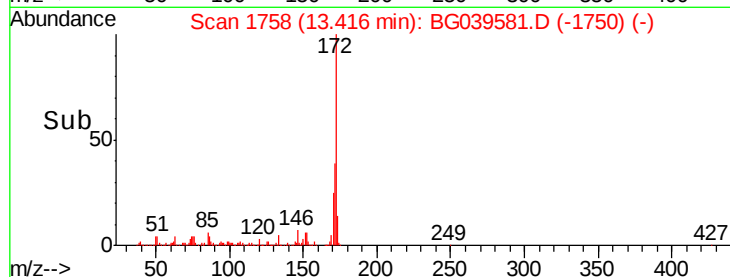
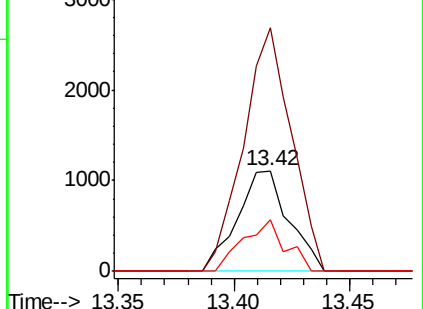
138 51.4 71.4 107.2#



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



#51

2,6-Dinitrotoluene

Concen: 13.944 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

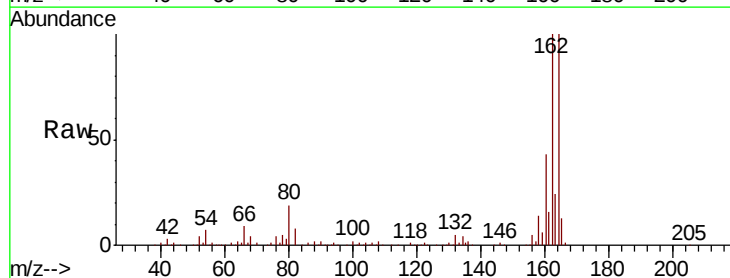
Tgt Ion: 165 Resp: 21575

Ion Ratio Lower Upper

165 100

63 1.7 47.0 70.6#

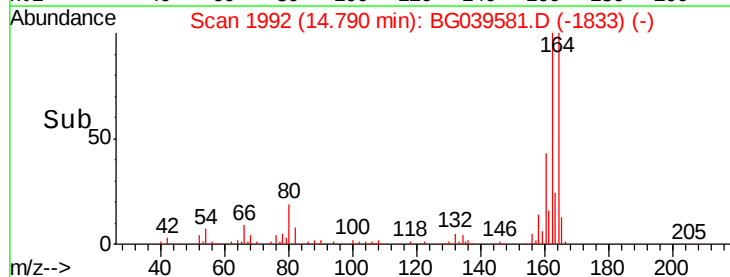
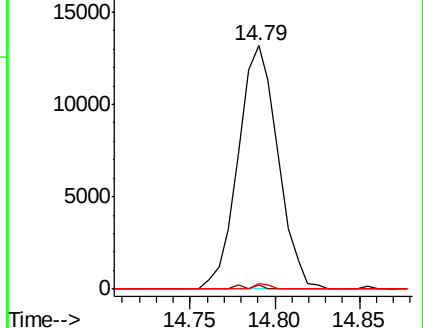
89 2.1 45.8 68.8#

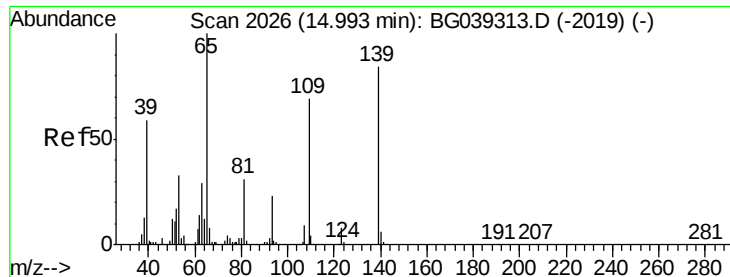


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#56

4-Nitrophenol

Concen: 5.981 ng

RT: 15.18 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

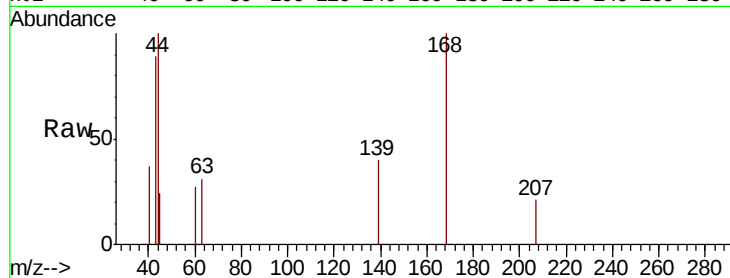
Instrument :

BNA_G

ClientSampleId :

HD-01-022019

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



Abundance

Ion 139.00 (138.70 to 139.70): E

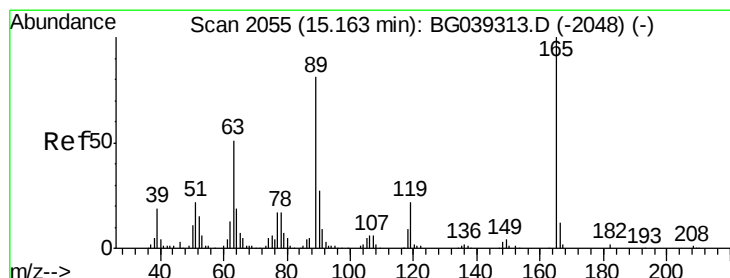
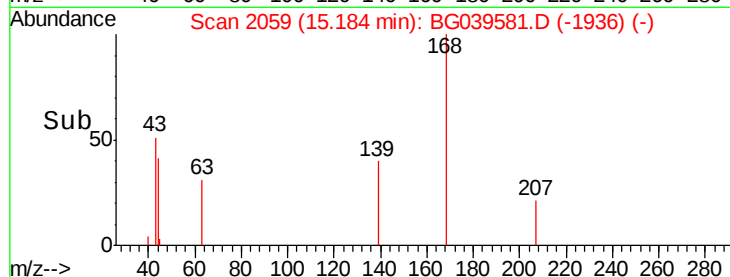
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

15.18

15.20

Time-->



#57

2,4-Dinitrotoluene

Concen: 13.414 ng

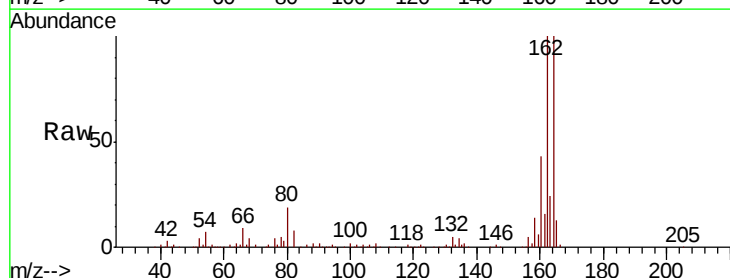
RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.0	61.6#
89	2.1	64.6	96.8#
182	0.0	2.0	3.0#



Abundance

Ion 165.00 (164.70 to 165.70): E

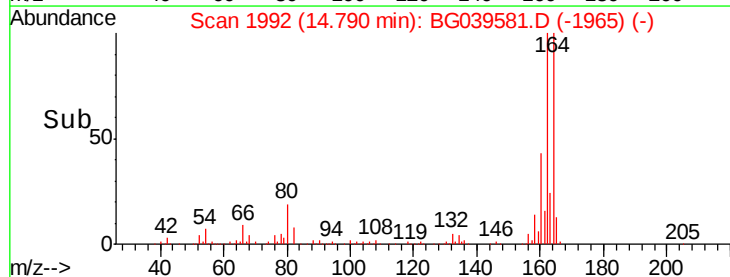
Ion 63.00 (62.70 to 63.70): BGC

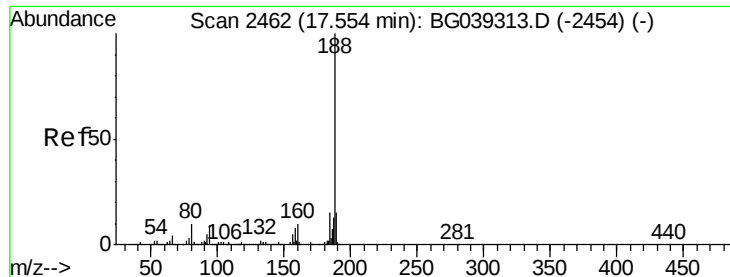
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.79

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

Instrument :

BNA_G

ClientSampleId :

HD-01-022019

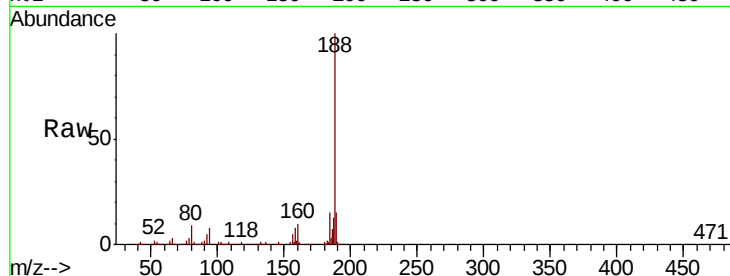
Tgt Ion:188 Resp: 403833

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

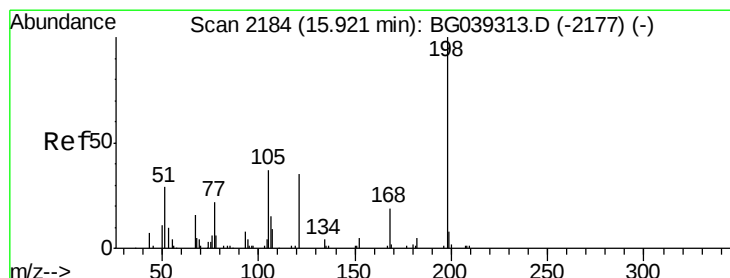
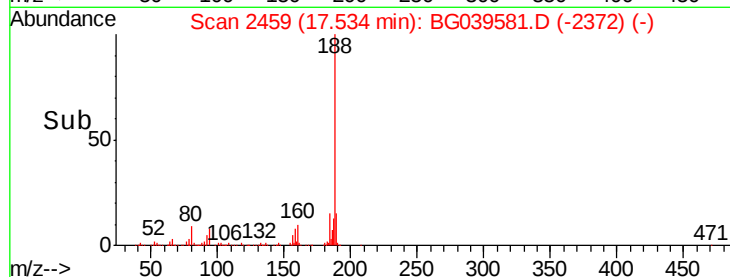
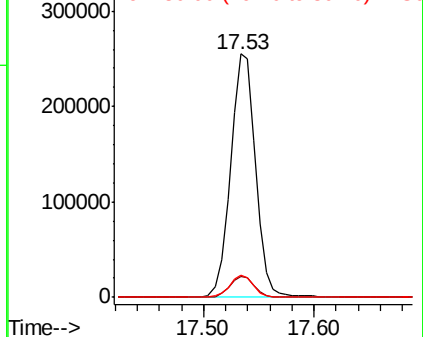
80 9.1 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.736 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

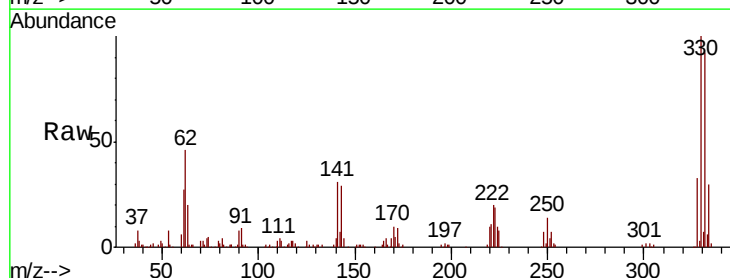
Tgt Ion:198 Resp: 707

Ion Ratio Lower Upper

198 100

51 57.1 27.4 67.4

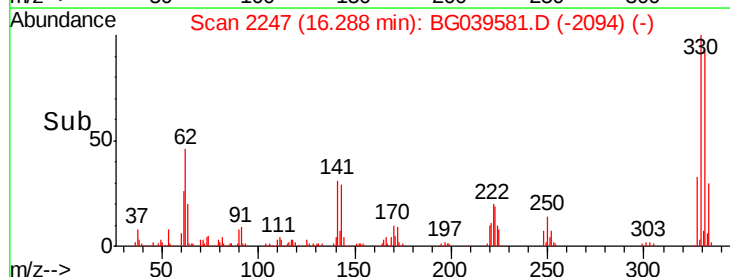
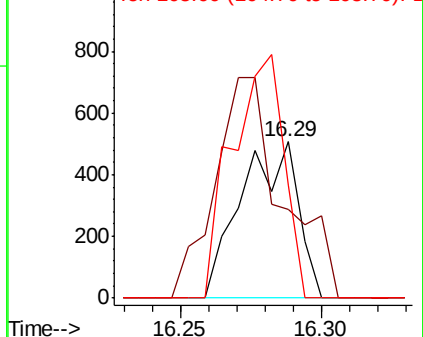
105 72.3 19.7 59.7#

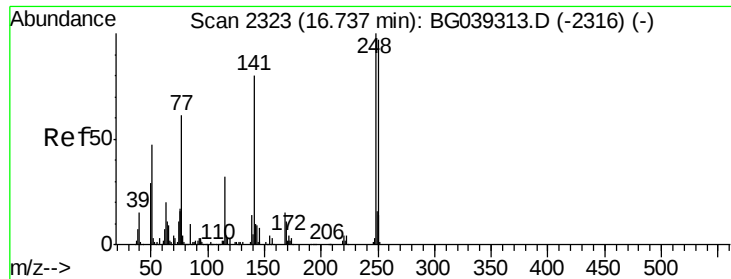


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

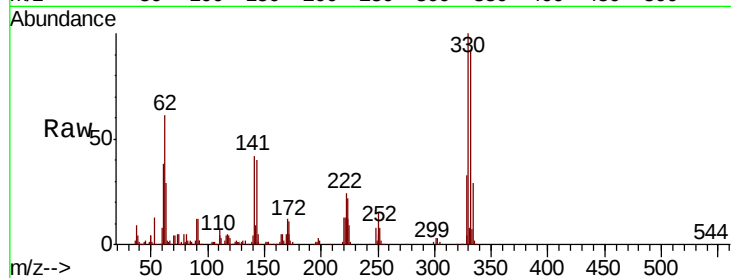




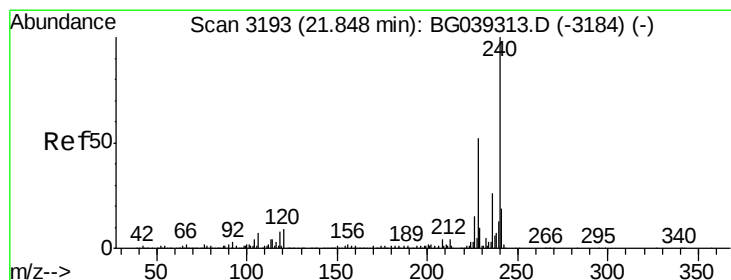
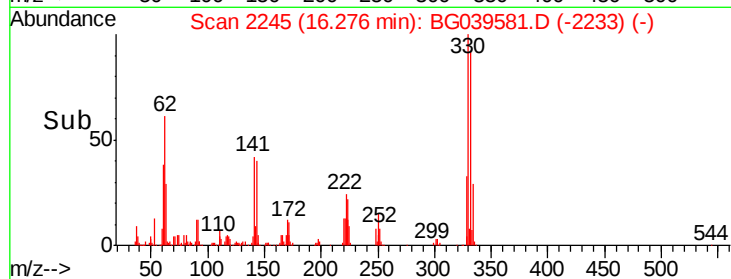
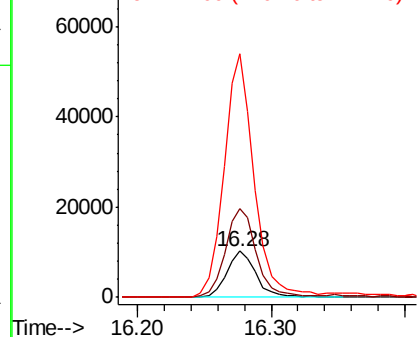
#67
 4-Bromophenyl-phenylether
 Concen: 3.537 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039581.D
 Acq: 21 Feb 2019 21:26

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-022019

Tgt Ion:248 Resp: 15844
 Ion Ratio Lower Upper
 248 100
 250 190.8 77.6 116.4#
 141 524.4 63.9 95.9#

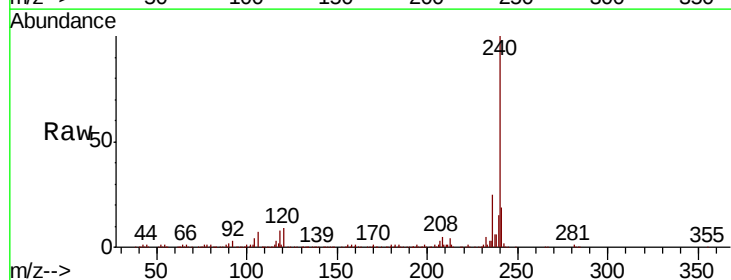


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

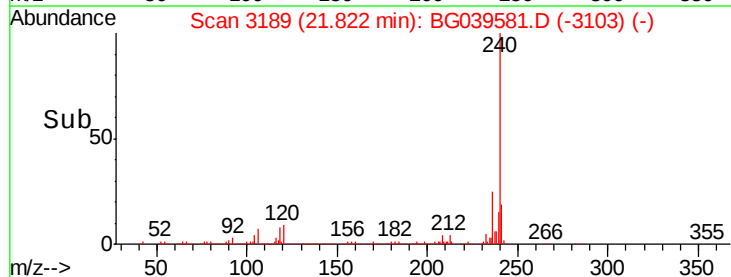
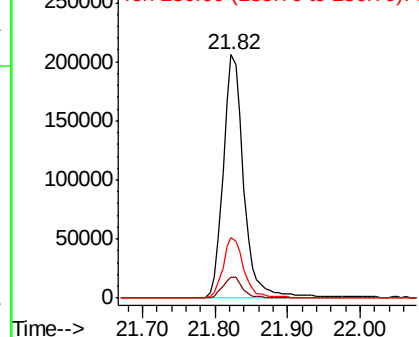


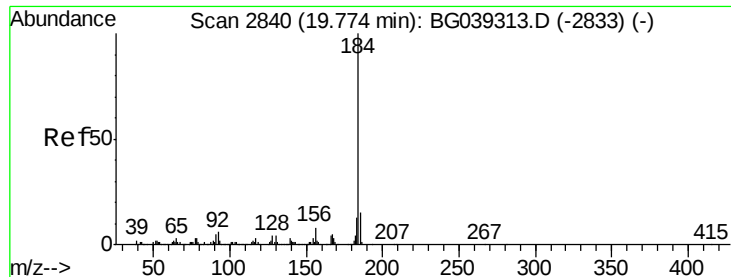
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039581.D
 Acq: 21 Feb 2019 21:26

Tgt Ion:240 Resp: 406355
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 24.9 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: 2.128 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

Instrument :

BNA_G

ClientSampleId :

HD-01-022019

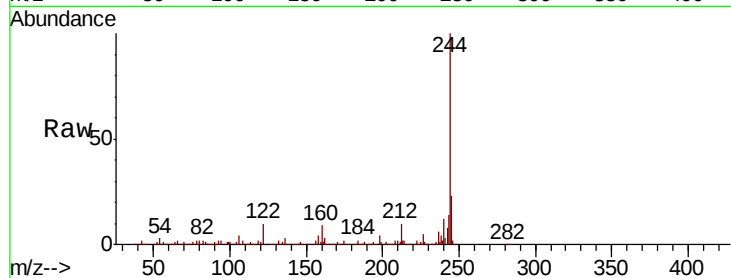
Tgt Ion:184 Resp: 28353

Ion Ratio Lower Upper

184 100

185 13.8 12.2 18.2

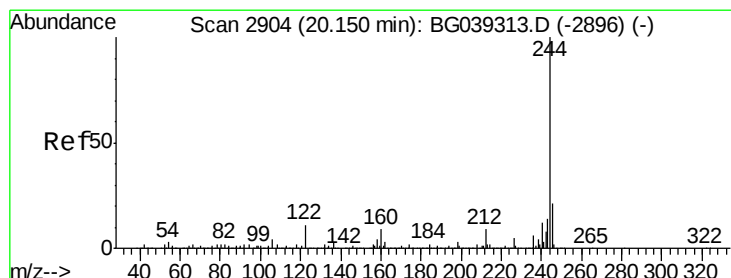
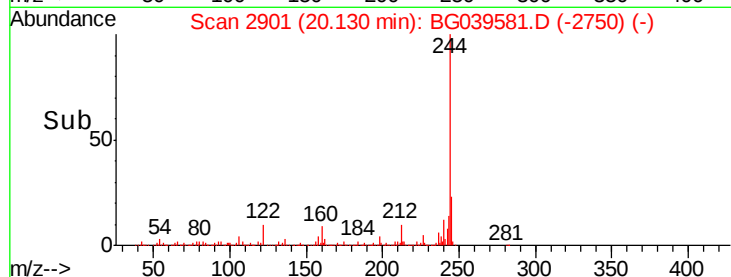
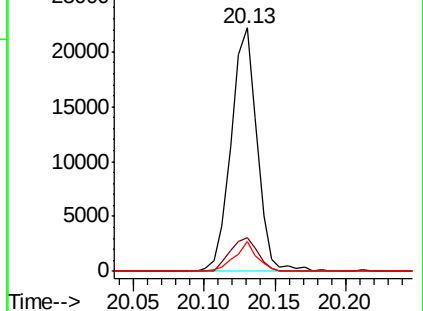
183 12.2 10.6 15.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 82.795 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039581.D

Acq: 21 Feb 2019 21:26

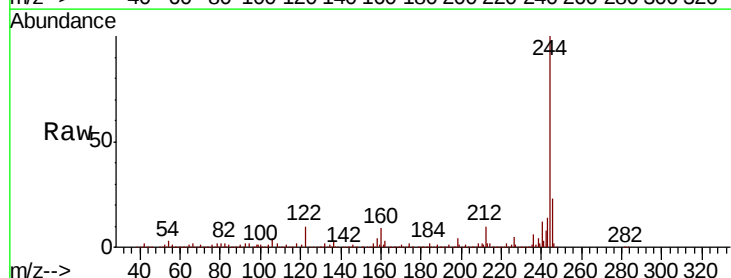
Tgt Ion:244 Resp: 1589475

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

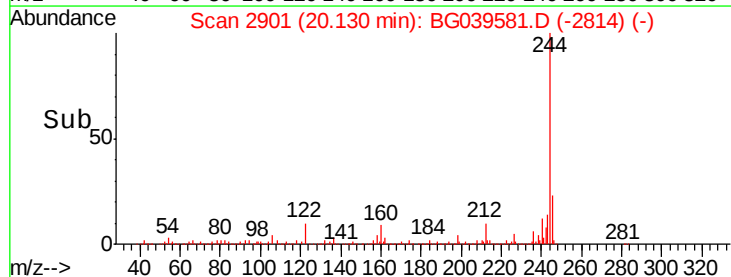
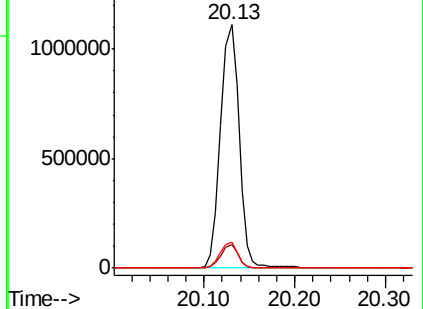
122 10.4 8.4 12.6

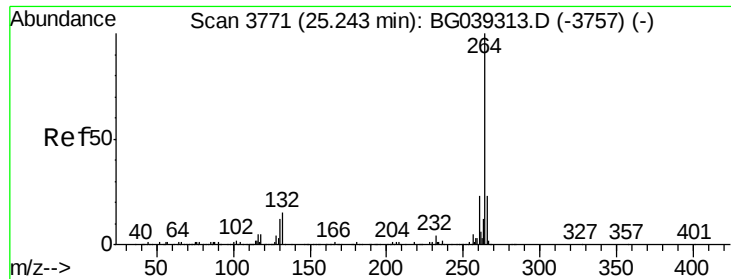


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.21 min Scan# 3765
Delta R.T. -0.04 min
Lab File: BG039581.D
Acq: 21 Feb 2019 21:26

Instrument :
BNA_G
ClientSampleId :
HD-01-022019

Tgt Ion: 264 Resp: 334678
Ion Ratio Lower Upper
264 100
260 22.9 18.2 27.4
265 20.1 18.5 27.7

