

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039713.D
 Acq On : 2 Mar 2019 8:06
 Operator : JU/SJ
 Sample : K1665-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:48:11 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	50717	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	208737	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	136609	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	336750	20.00	ng	0.00
76) Chrysene-d12	21.82	240	346977	20.00	ng	0.00
87) Perylene-d12	25.19	264	324374	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	389104	131.31	ng	0.00
7) Phenol-d6	7.31	99	506265	116.07	ng	0.00
23) Nitrobenzene-d5	9.34	82	367203	109.90	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	211909	144.05	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	871692	91.54	ng	0.00
79) Terphenyl-d14	20.12	244	1430074	87.24	ng	0.00

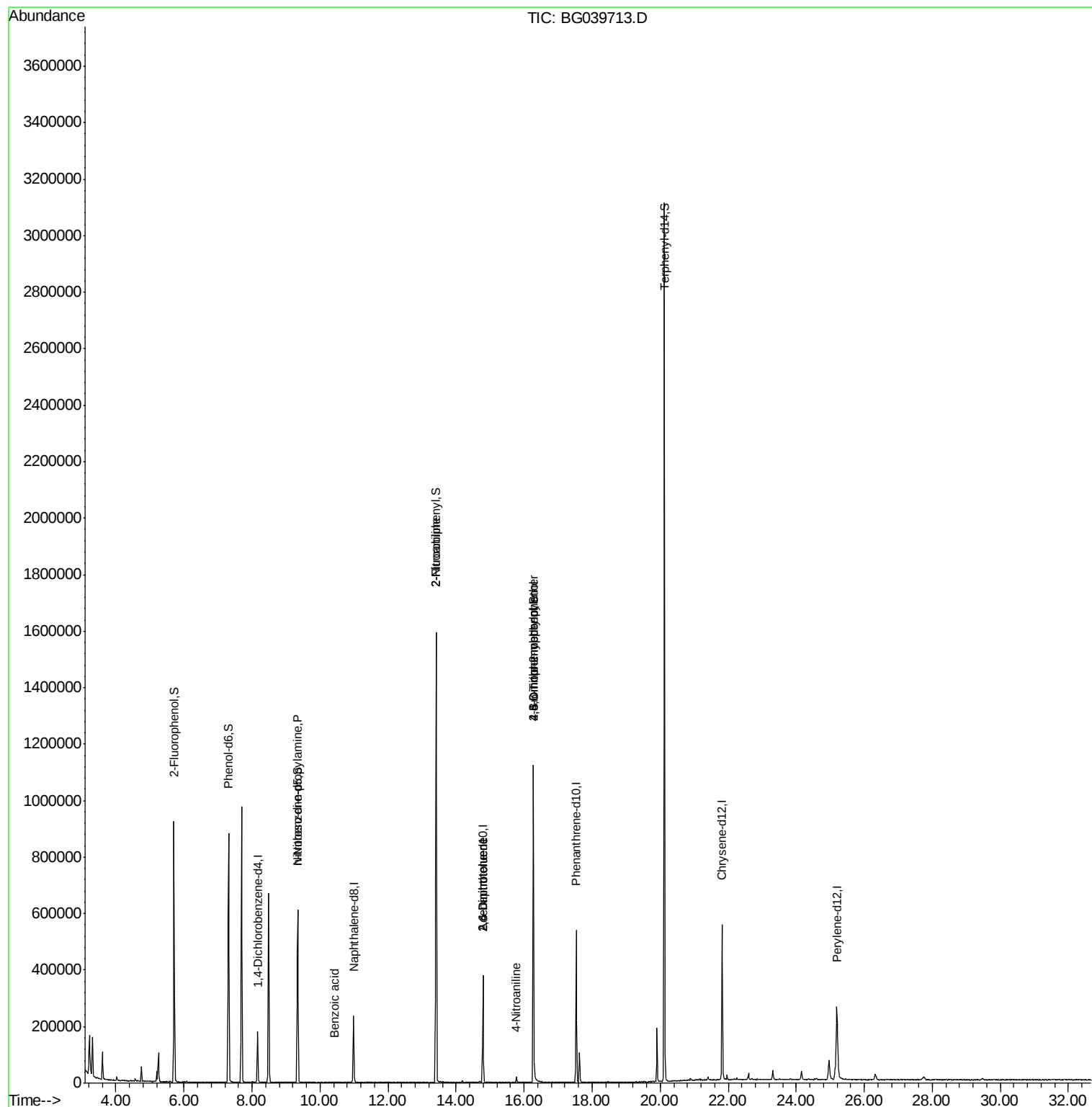
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	883	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	47178	15.239	ng	# 69
32) Benzoic acid	10.42	122	59	9.045	ng	# 1
48) 2-Nitroaniline	13.41	65	1466	8.790	ng	# 7
51) 2,6-Dinitrotoluene	14.79	165	17796	14.010	ng	# 23
57) 2,4-Dinitrotoluene	14.79	165	17796	13.464	ng	# 18
62) 4-Nitroaniline	15.78	138	60	4.226	ng	# 13
65) 4,6-Dinitro-2-methylphenol	16.28	198	608	4.753	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	16408	4.392	ng	# 1

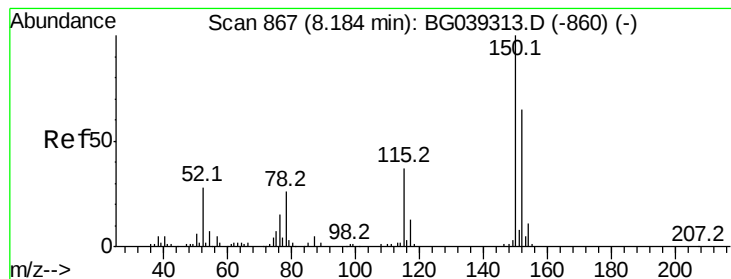
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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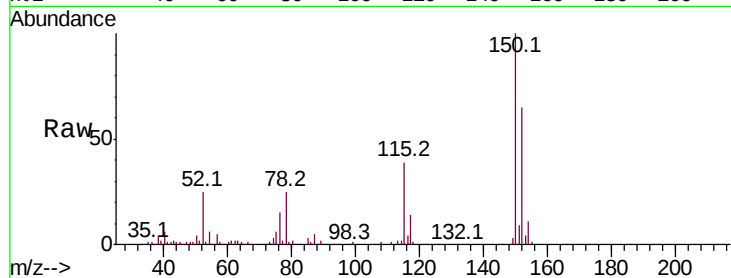


#1

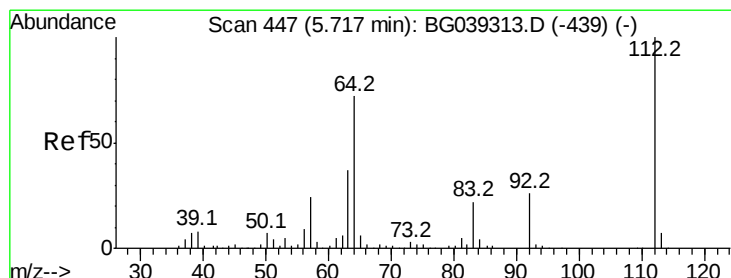
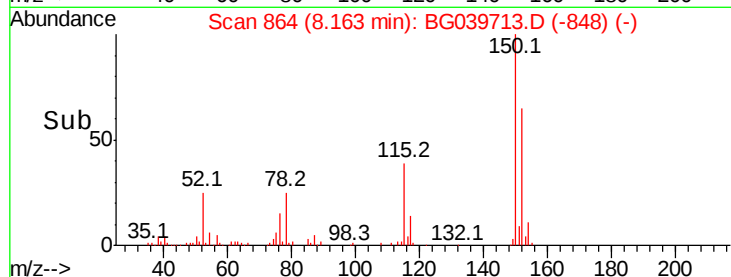
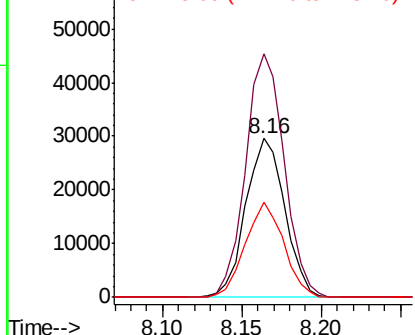
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039713.D
Acq: 2 Mar 2019 8:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 50717
Ion Ratio Lower Upper
152 100
150 153.5 123.7 185.5
115 59.9 45.9 68.9



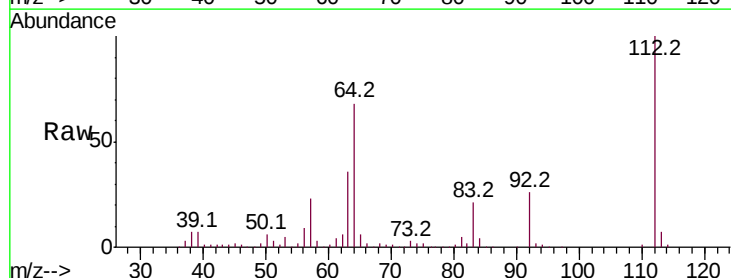
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



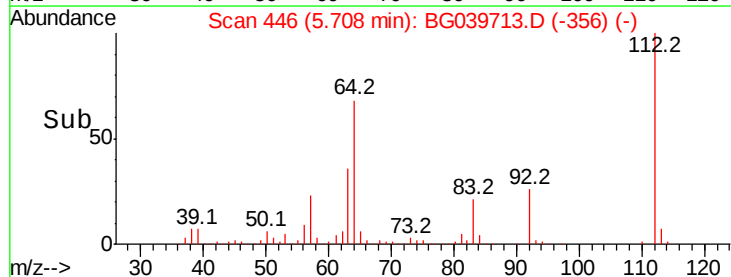
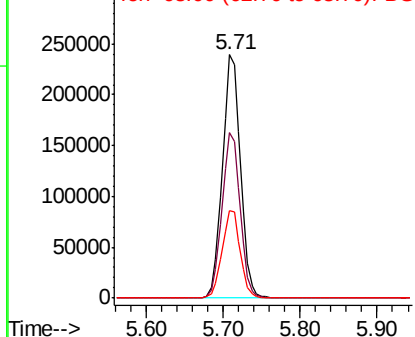
#5

2-Fluorophenol
Concen: 131.308 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.00 min
Lab File: BG039713.D
Acq: 2 Mar 2019 8:06

Tgt Ion:112 Resp: 389104
Ion Ratio Lower Upper
112 100
64 68.1 57.8 86.8
63 36.0 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: 116.066 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

Instrument :

BNA_G

ClientSampleId :

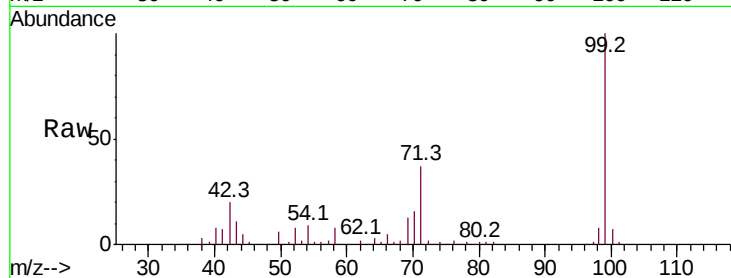
Tot Ion: 99 Resp: 506265

Ion Ratio Lower Upper

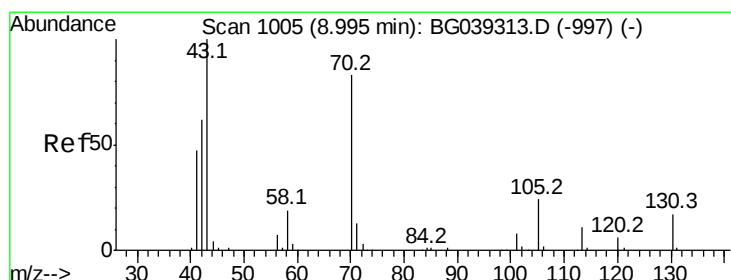
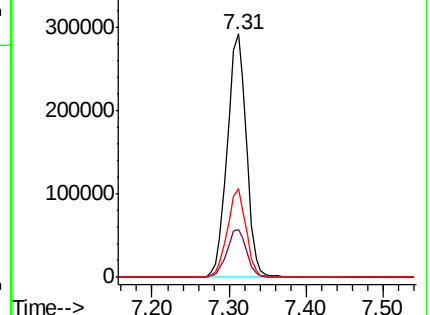
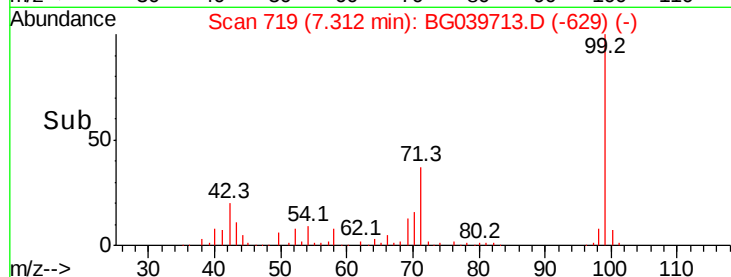
99 100

42 19.7 18.2 27.2

71 36.6 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: 15.239 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.38 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

Tgt Ion: 70 Resp: 47178

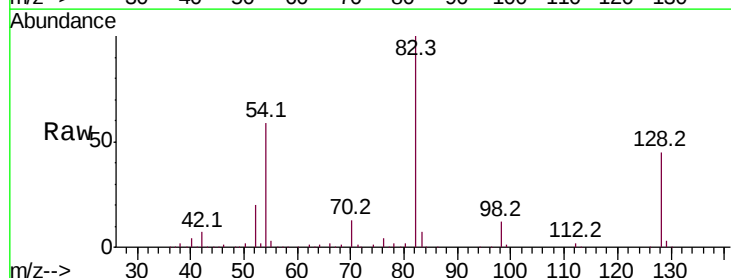
Ion Ratio Lower Upper

70 100

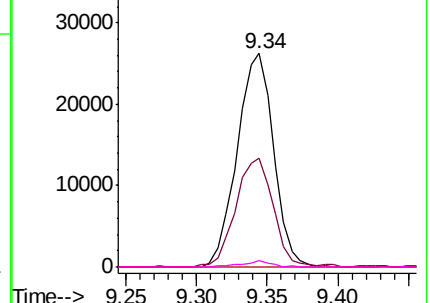
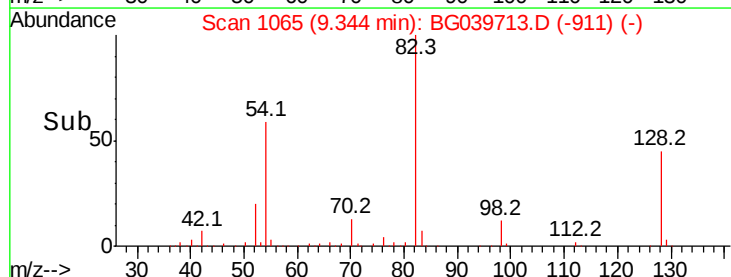
42 50.7 60.4 90.6#

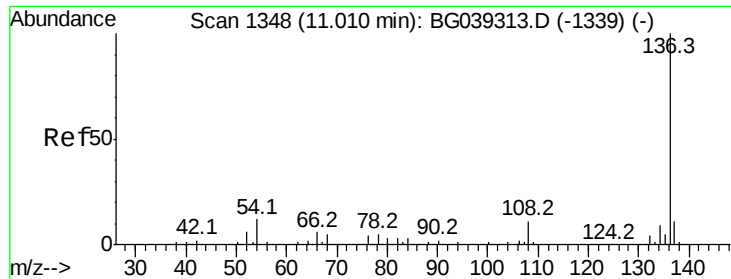
101 0.0 7.5 11.3#

130 2.8 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

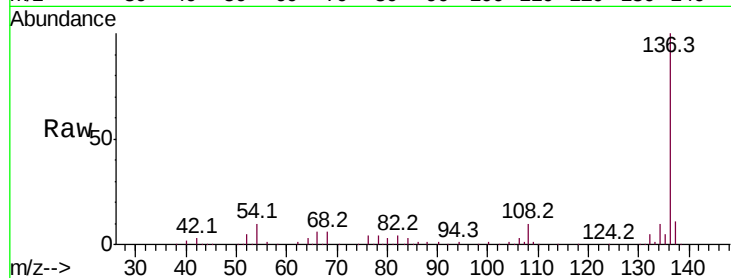




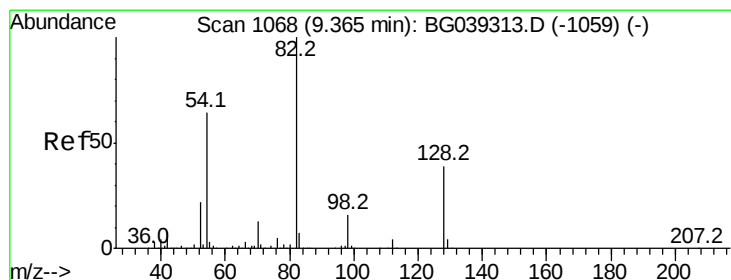
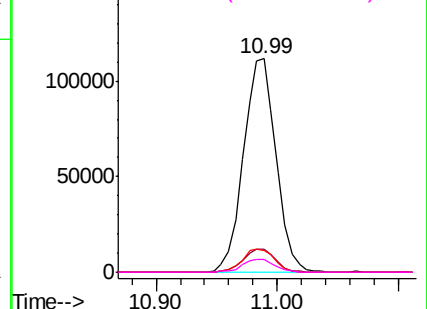
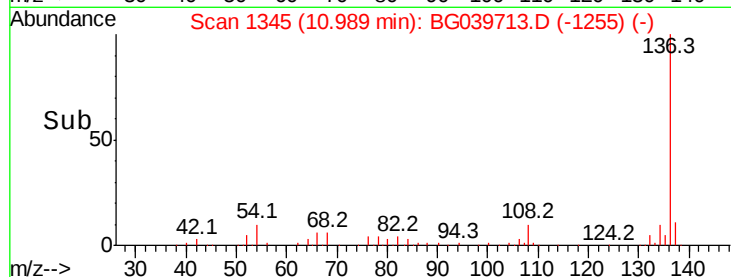
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG039713.D
Acq: 2 Mar 2019 8:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	208737
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.1 13.7
54	10.3	9.4 14.2
68	5.8	4.2 6.4

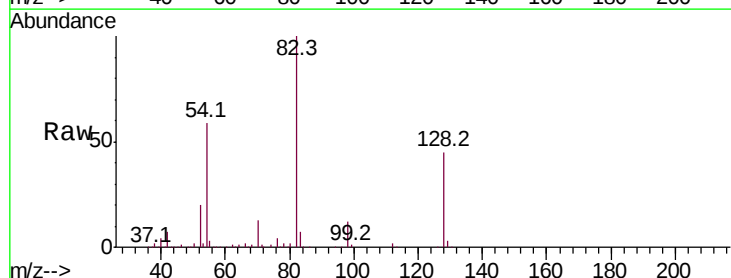


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

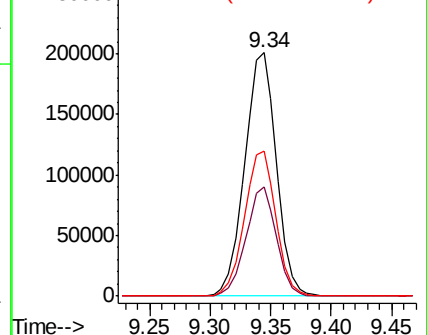
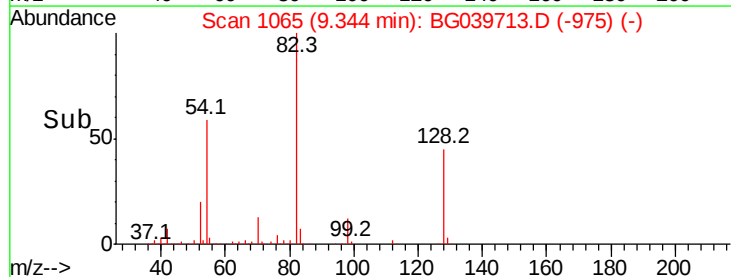


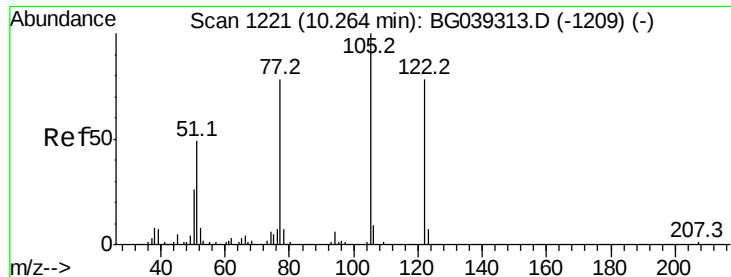
#23
Nitrobenzene-d5
Concen: 109.898 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039713.D
Acq: 2 Mar 2019 8:06

Tgt Ion: 82	Resp:	367203
Ion Ratio	Lower	Upper
82	100	
128	45.0	31.3 46.9
54	59.5	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

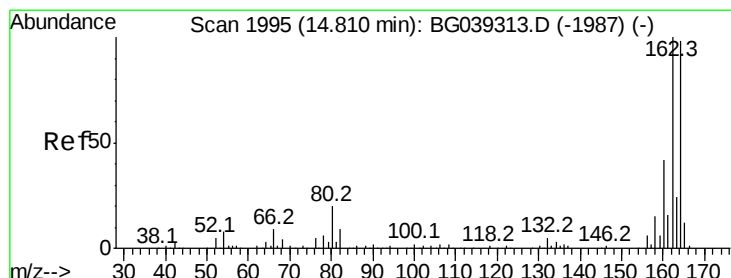
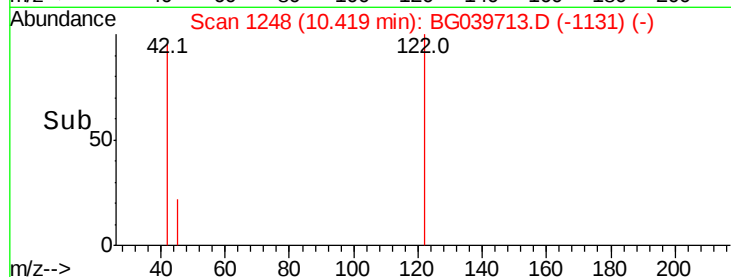
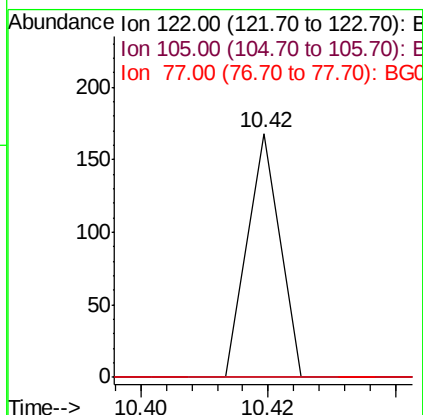
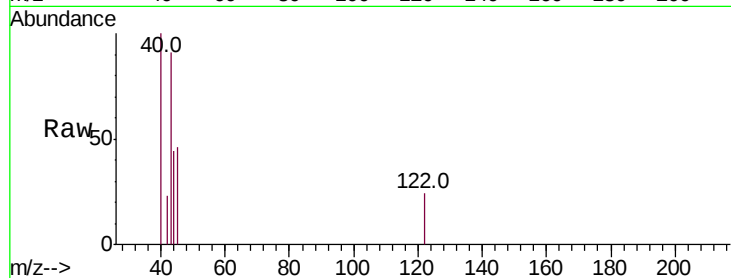




#32
Benzoic acid
Concen: 9.045 ng
RT: 10.42 min Scan# 1248
Delta R.T. 0.16 min
Lab File: BG039713.D
Acq: 2 Mar 2019 8:06

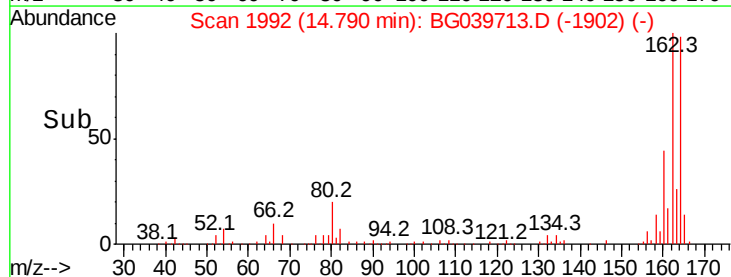
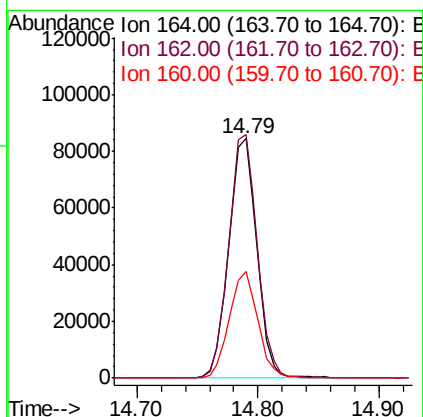
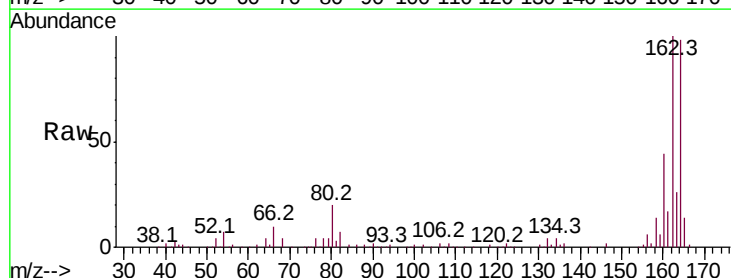
Instrument :
BNA_G
ClientSampleId :

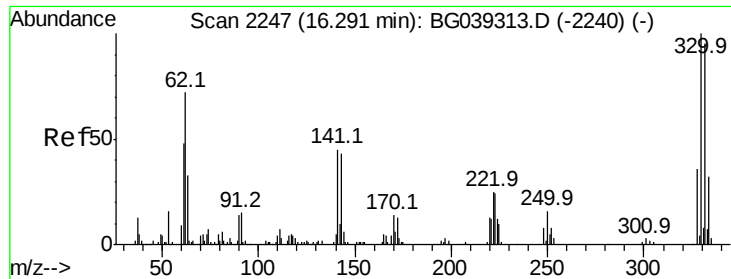
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BG039713.D
Acq: 2 Mar 2019 8:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.6	122.4
160	44.4	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 144.053 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.00 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

Instrument :

BNA_G

ClientSampleId :

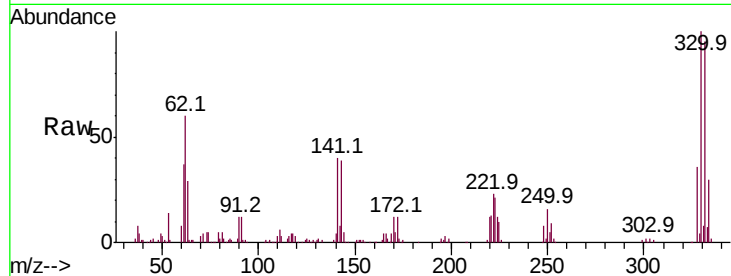
Tot Ion:330 Resp: 211909

Ion Ratio Lower Upper

330 100

332 94.4 75.7 113.5

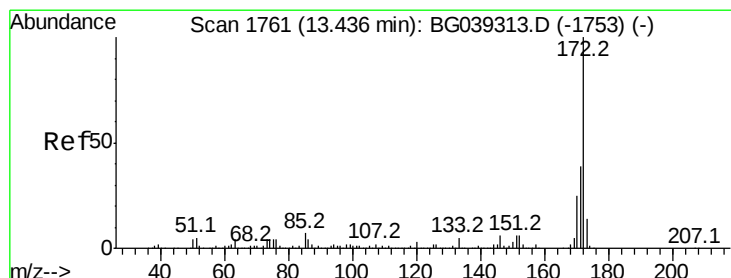
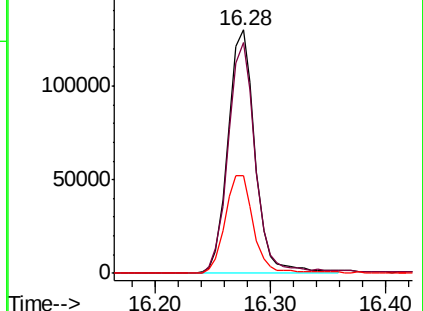
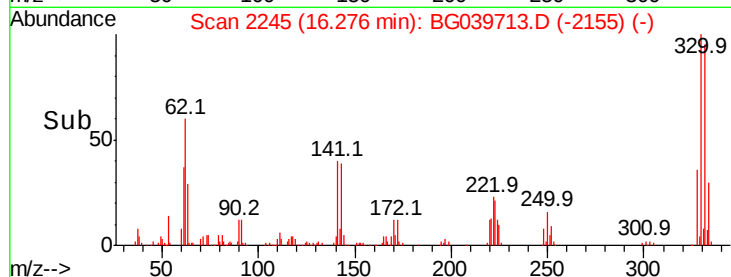
141 41.7 35.6 53.4



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: 91.538 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

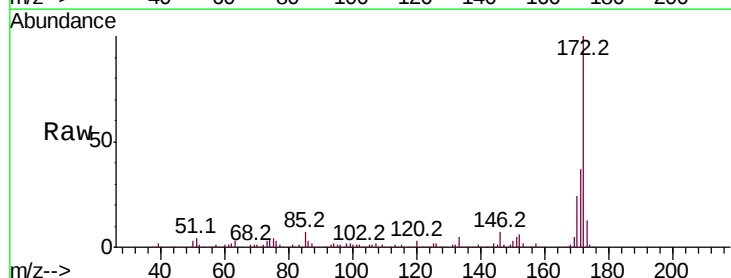
Tgt Ion:172 Resp: 871692

Ion Ratio Lower Upper

172 100

171 36.7 30.8 46.2

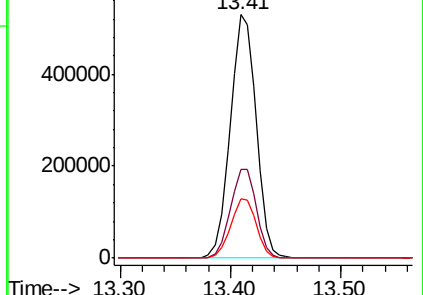
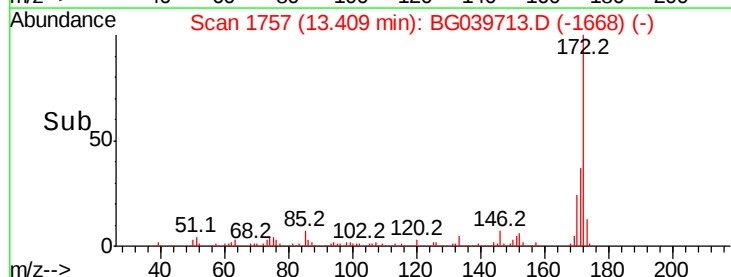
170 24.5 20.2 30.4

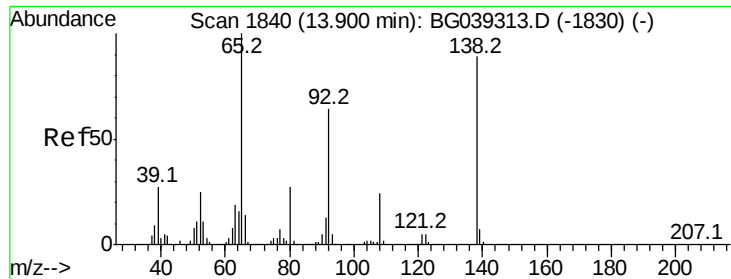


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.790 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.47 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

Instrument :

BNA_G

ClientSampleId :

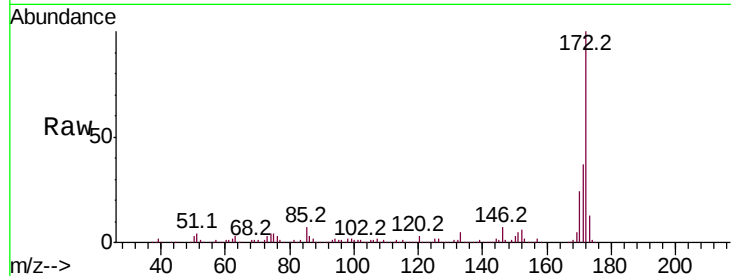
Tot Ion: 65 Resp: 1466

Ion Ratio Lower Upper

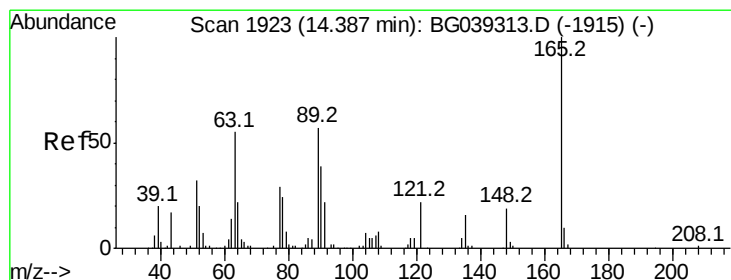
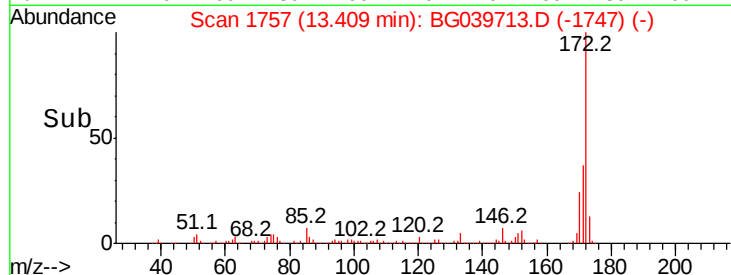
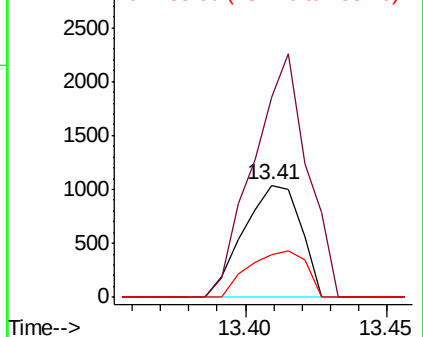
65 100

92 178.3 51.4 77.2#

138 37.9 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: 14.010 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.42 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

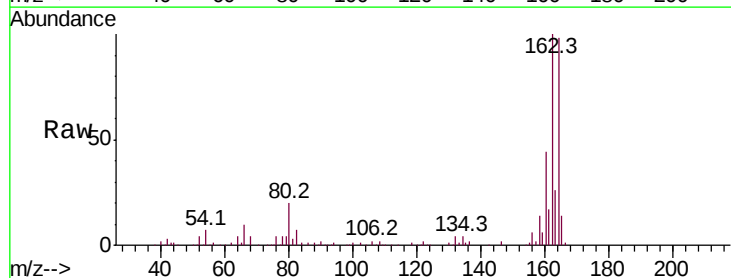
Tgt Ion:165 Resp: 17796

Ion Ratio Lower Upper

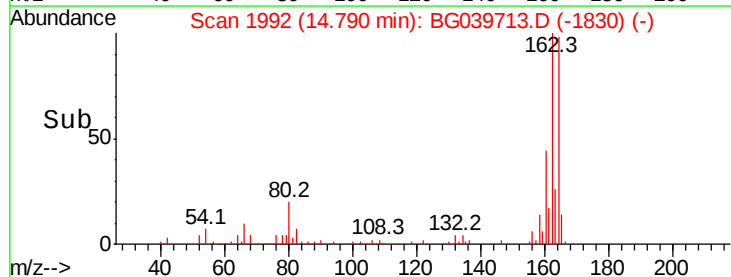
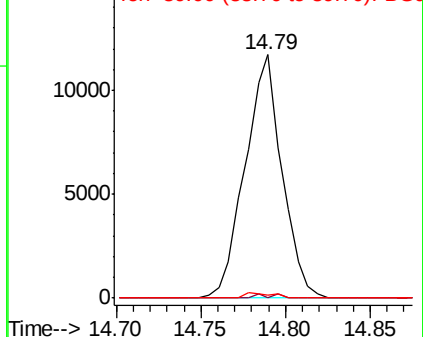
165 100

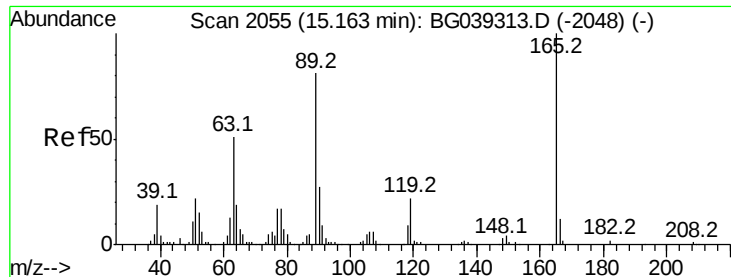
63 0.0 47.0 70.6#

89 1.4 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

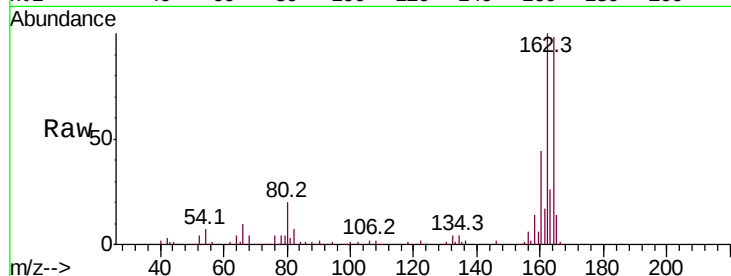




#57
 2,4-Dinitrotoluene
 Concen: 13.464 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.36 min
 Lab File: BG039713.D
 Acq: 2 Mar 2019 8:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.4	64.6	96.8#
182	0.0	2.0	3.0#

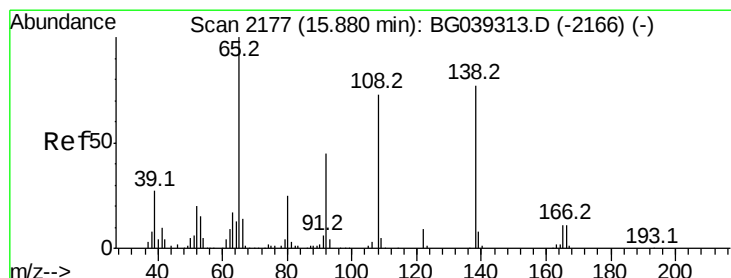
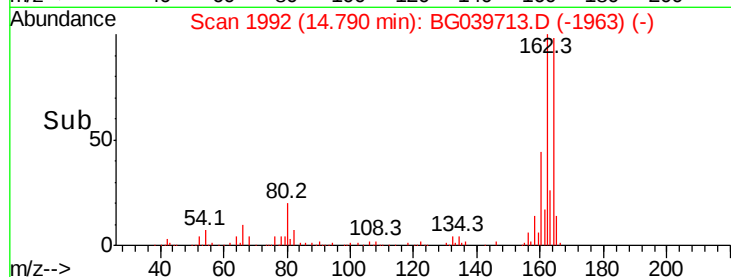
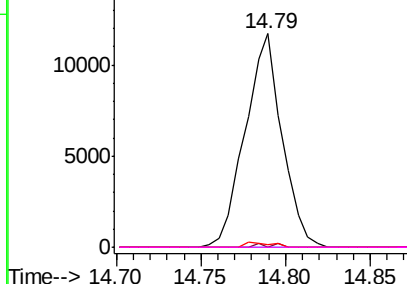


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

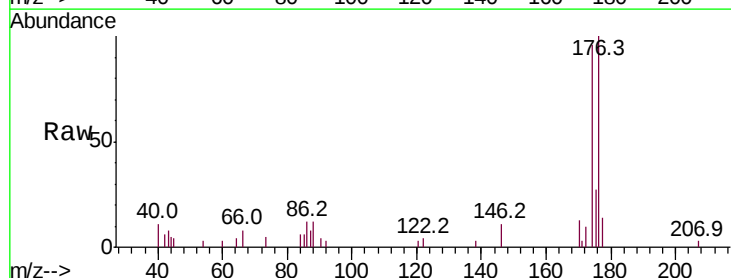
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#62
 4-Nitroaniline
 Concen: 4.226 ng
 RT: 15.78 min Scan# 2160
 Delta R.T. -0.09 min
 Lab File: BG039713.D
 Acq: 2 Mar 2019 8:06

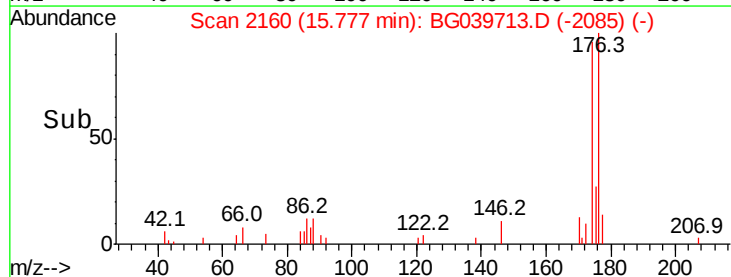
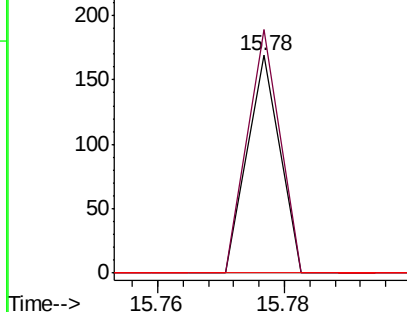
Tgt Ion	Ratio	Lower	Upper
138	100		
92	111.8	38.7	78.7#
108	0.0	74.6	114.6#

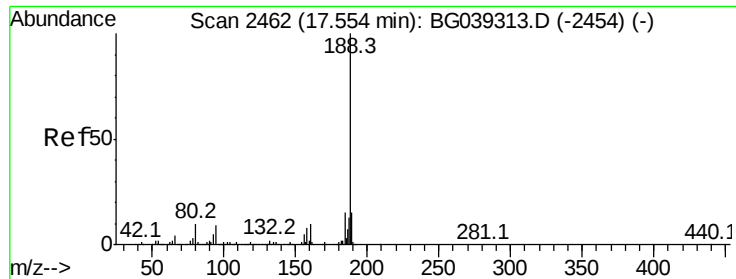


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

Instrument :

BNA_G

ClientSampleId :

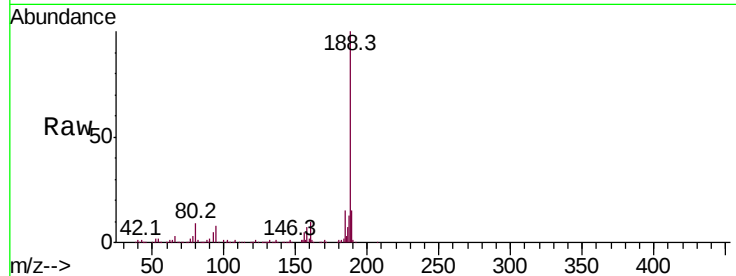
Tot Ion:188 Resp: 336750

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

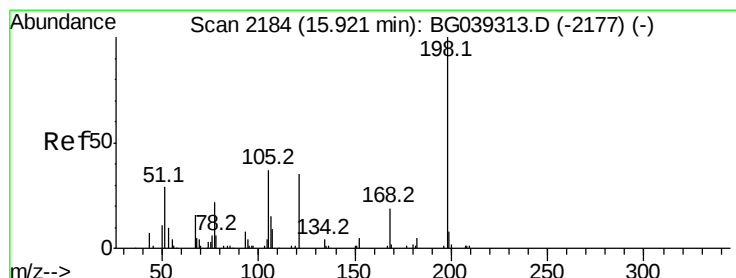
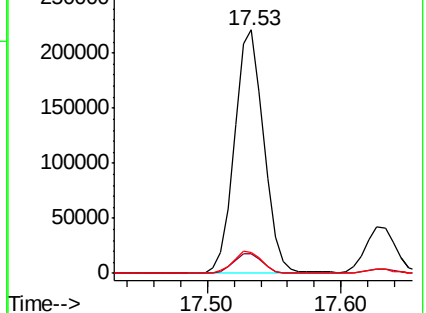
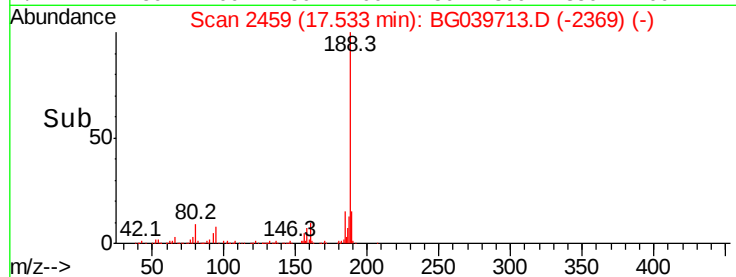
80 8.5 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.753 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.37 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

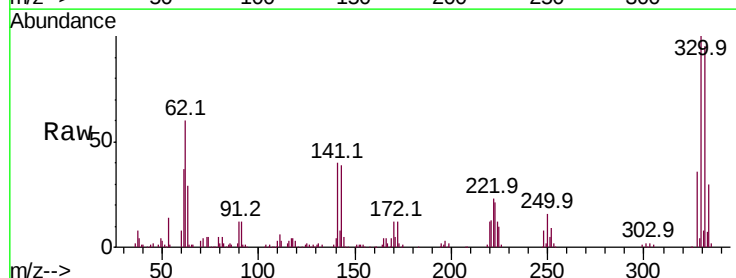
Tgt Ion:198 Resp: 608

Ion Ratio Lower Upper

198 100

51 176.7 27.4 67.4#

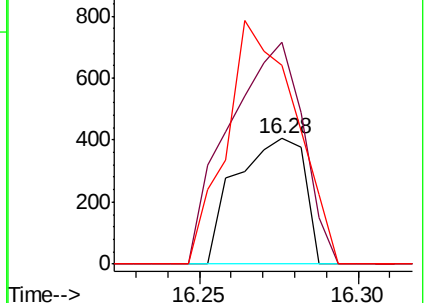
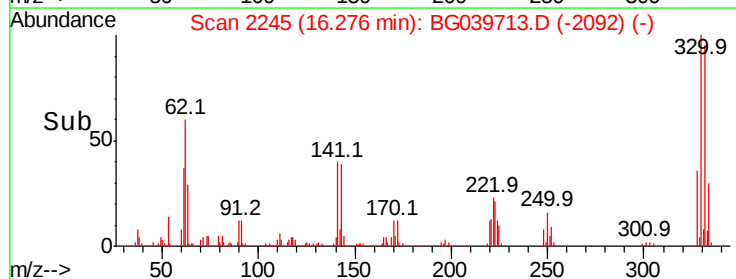
105 158.4 19.7 59.7#

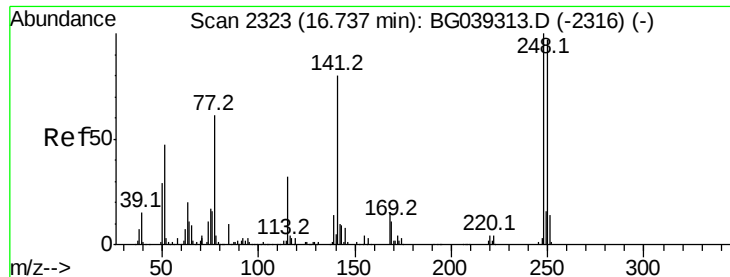


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.392 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.44 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

Instrument :

BNA_G

ClientSampleId :

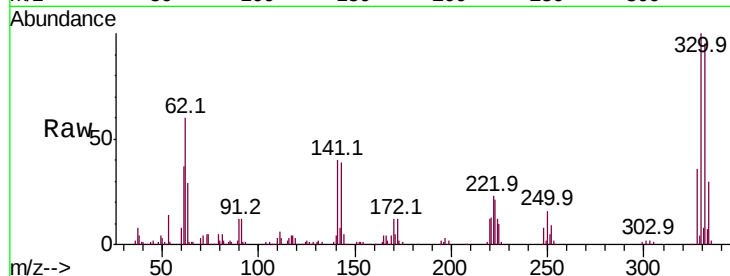
Tot Ion:248 Resp: 16408

Ion Ratio Lower Upper

248 100

250 196.4 77.6 116.4#

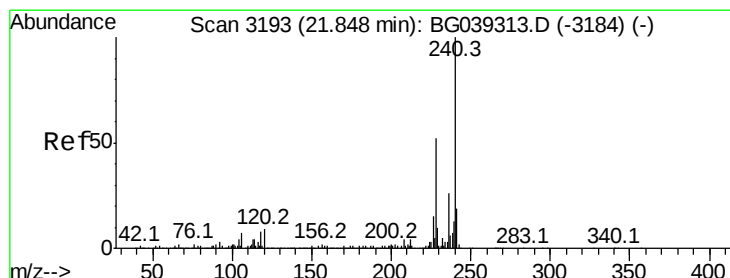
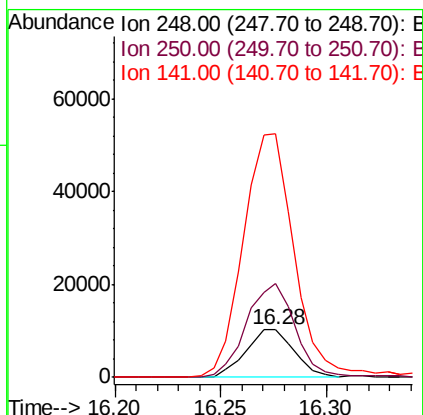
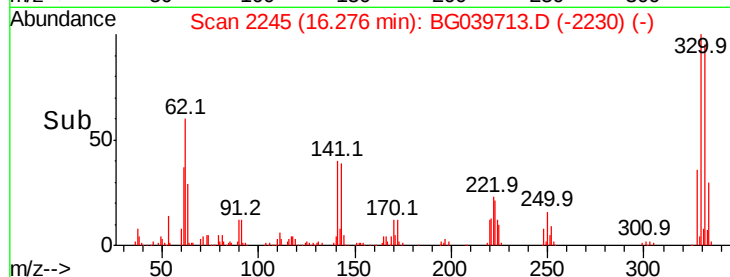
141 510.9 63.9 95.9#



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. -0.01 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

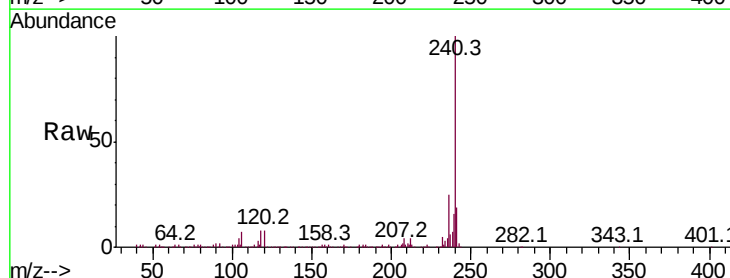
Tgt Ion:240 Resp: 346977

Ion Ratio Lower Upper

240 100

120 8.4 7.0 10.6

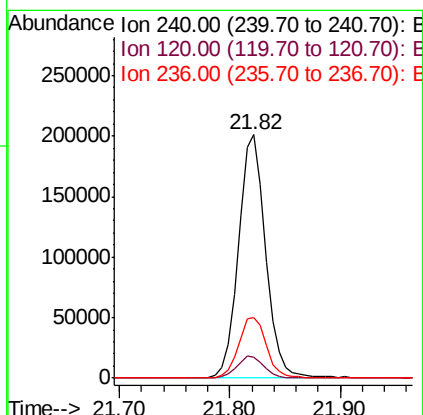
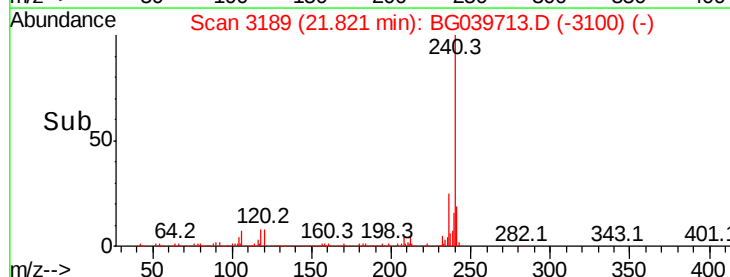
236 25.1 21.0 31.4

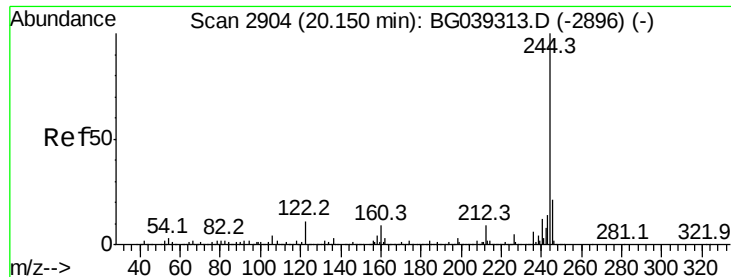


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 87.240 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

Instrument :

BNA_G

ClientSampled :

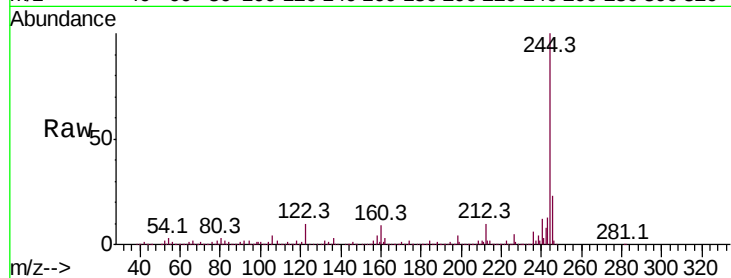
Tot Ion:244 Resp: 1430074

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

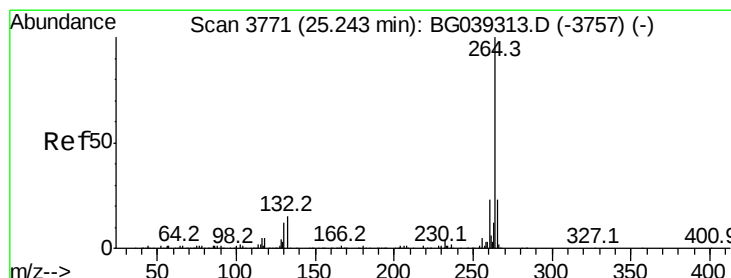
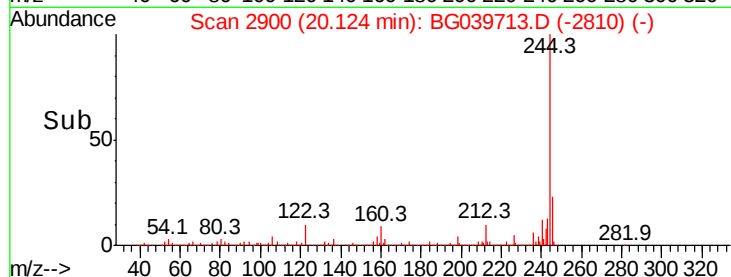
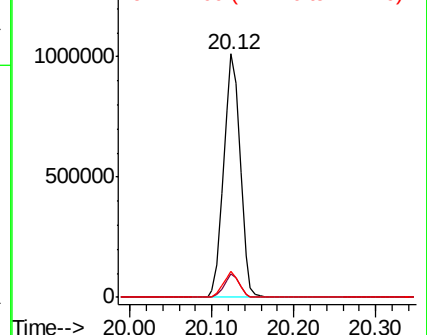
122 10.5 8.4 12.6



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: 25.19 min Scan# 3763

Delta R.T. -0.01 min

Lab File: BG039713.D

Acq: 2 Mar 2019 8:06

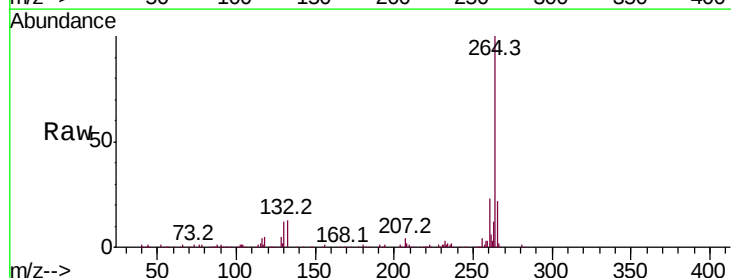
Tgt Ion:264 Resp: 324374

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 22.0 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

