

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039709.D
 Acq On : 2 Mar 2019 5:30
 Operator : JU/SJ
 Sample : K1675-18
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:47:32 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	8.17	152	59774	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	254157	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	170866	20.00	ng	0.00
64) Phenanthrene-d10	17.54	188	423566	20.00	ng	0.00
76) Chrysene-d12	21.82	240	441067	20.00	ng	-0.01
87) Perylene-d12	25.20	264	419054	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	448663	128.47	ng	0.00
7) Phenol-d6	7.31	99	571988	111.26	ng	0.00
23) Nitrobenzene-d5	9.35	82	442590	108.79	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	272831	148.28	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	1054657	88.55	ng	0.00
79) Terphenyl-d14	20.13	244	1680823	80.66	ng	0.00

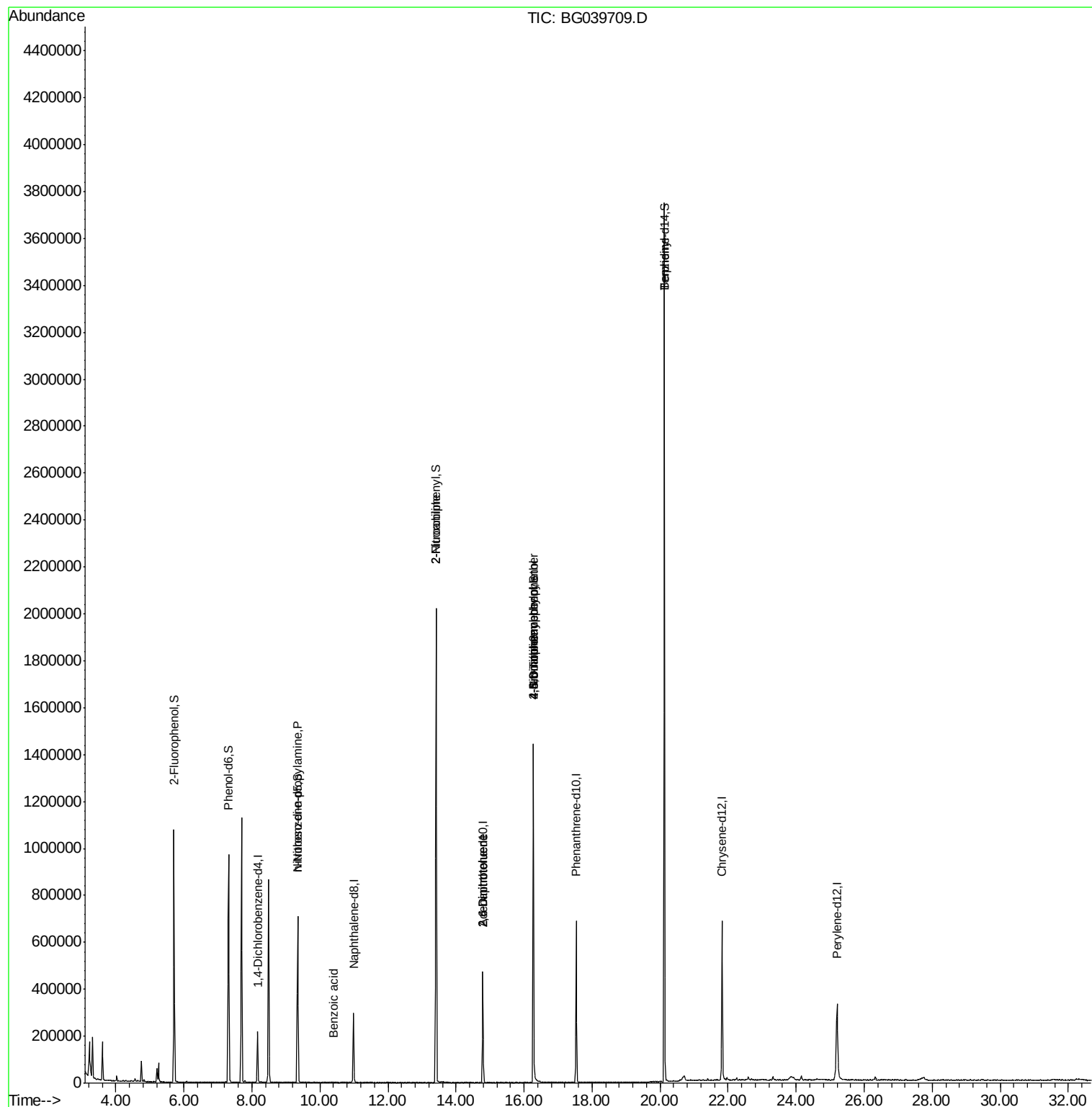
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1106	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	57598	15.786	ng	# 65
32) Benzoic acid	10.40	122	57	9.040	ng	# 96
48) 2-Nitroaniline	13.41	65	2028	8.842	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	21086	13.618	ng	# 26
57) 2,4-Dinitrotoluene	14.79	165	21086	13.167	ng	# 21
62) 4-Nitroaniline	16.27	138	56	4.220	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.27	198	1028	4.953	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	20979	4.465	ng	# 1
77) Benzidine	20.13	184	31189	2.157	ng	# 95

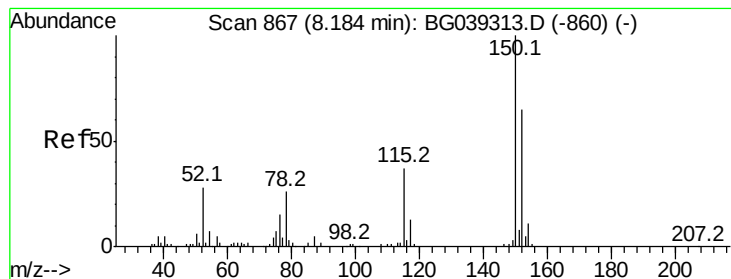
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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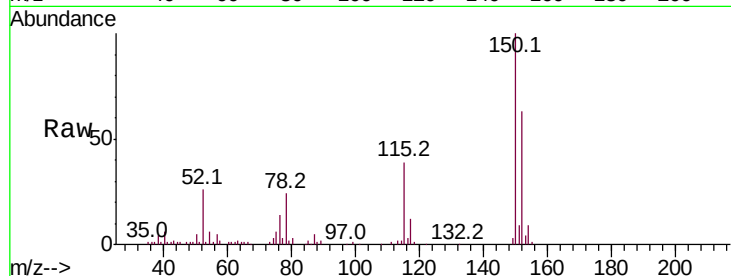


#1

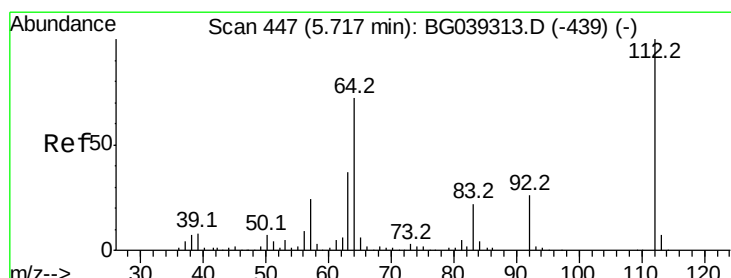
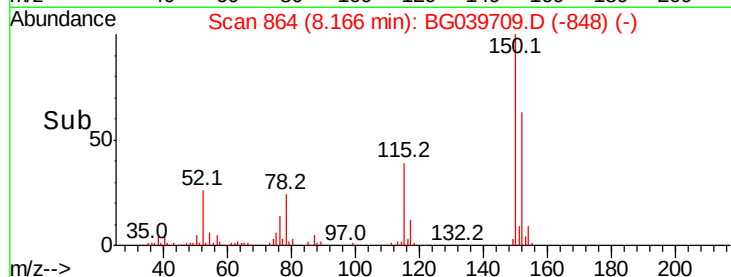
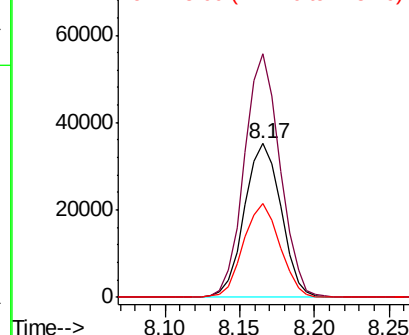
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: BG039709.D
Acq: 2 Mar 2019 5:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59774
Ion Ratio Lower Upper
152 100
150 158.4 123.7 185.5
115 61.4 45.9 68.9



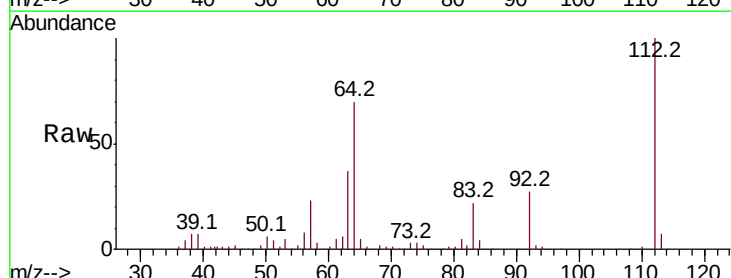
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



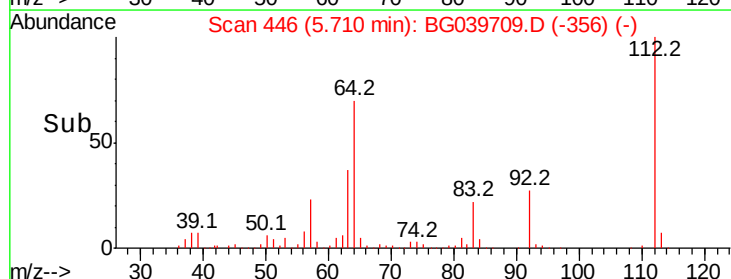
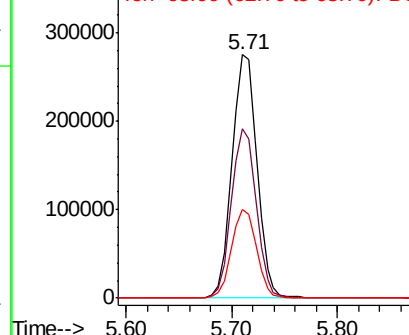
#5

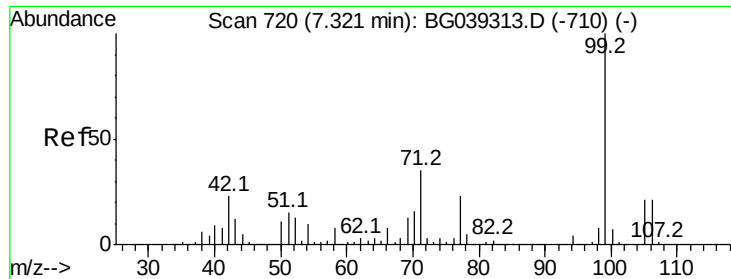
2-Fluorophenol
Concen: 128.466 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.00 min
Lab File: BG039709.D
Acq: 2 Mar 2019 5:30

Tgt Ion:112 Resp: 448663
Ion Ratio Lower Upper
112 100
64 69.6 57.8 86.8
63 36.6 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: 111.264 ng

RT: 7.31 min Scan# 719

Delta R.T. 0.00 min

Lab File: BG039709.D

Acq: 2 Mar 2019 5:30

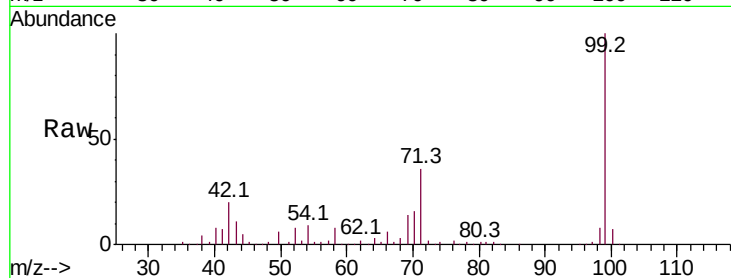
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 571988

Ion	Ratio	Lower	Upper
99	100		
42	20.0	18.2	27.2
71	36.1	28.0	42.0

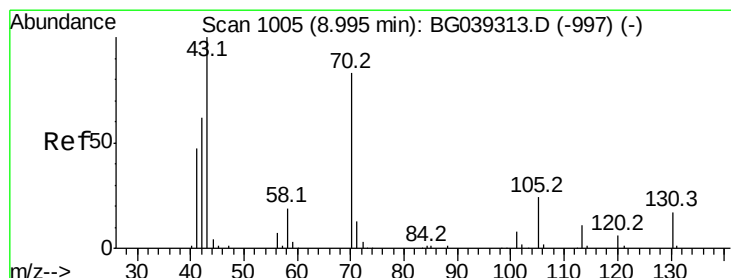
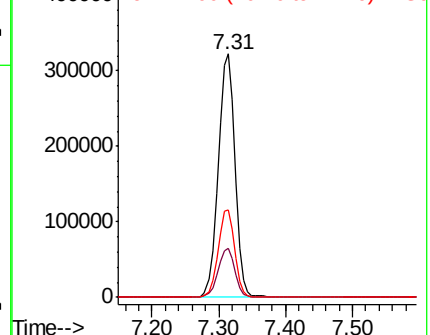
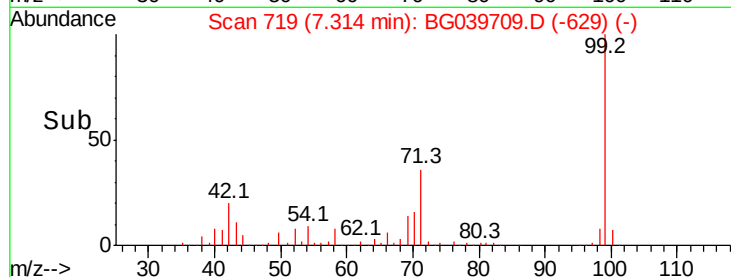


Abundance

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: 15.786 ng

RT: 9.34 min Scan# 1064

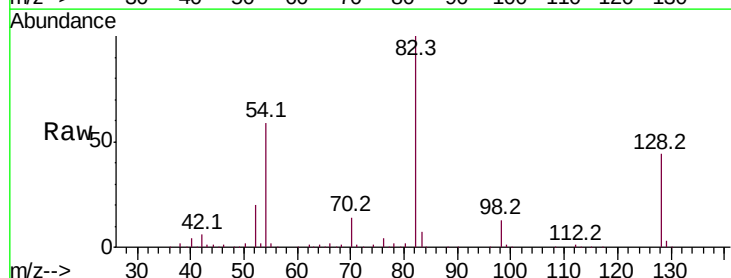
Delta R.T. 0.37 min

Lab File: BG039709.D

Acq: 2 Mar 2019 5:30

Tgt Ion: 70 Resp: 57598

Ion	Ratio	Lower	Upper
70	100		
42	46.6	60.4	90.6#
101	0.0	7.5	11.3#
130	1.2	16.9	25.3#



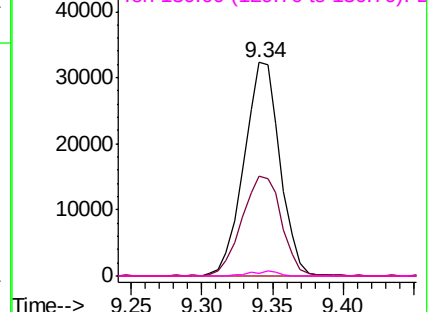
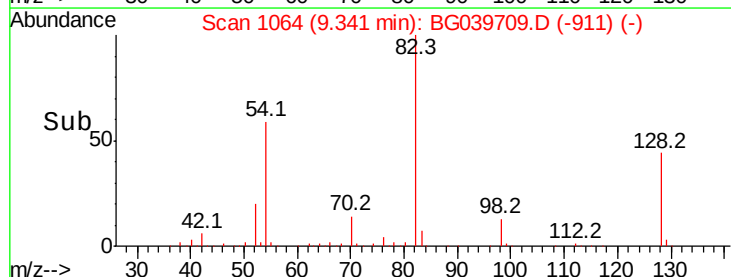
Abundance

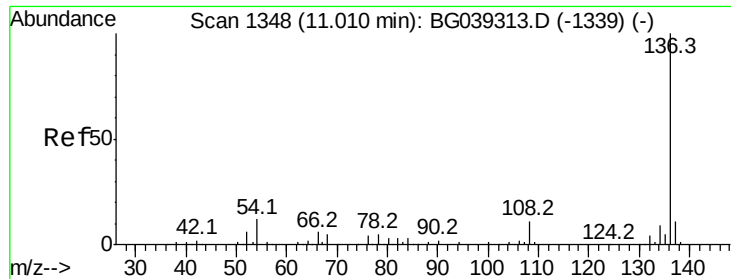
Ion 70.00 (69.70 to 70.70): BGC

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

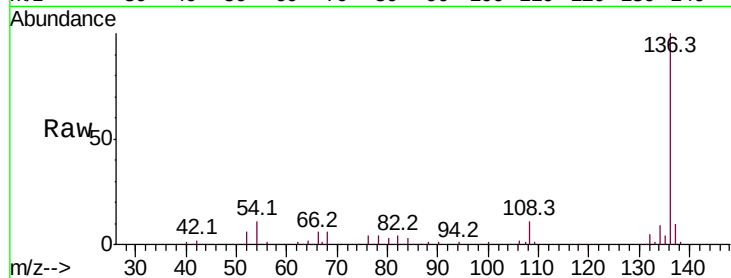




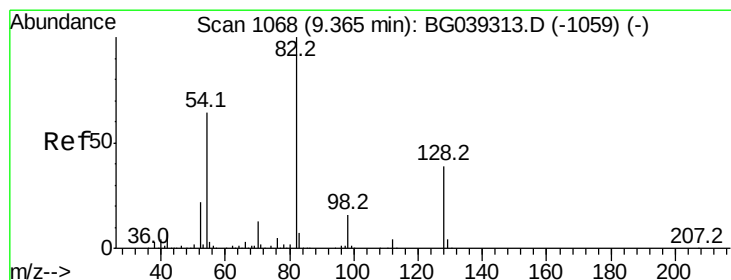
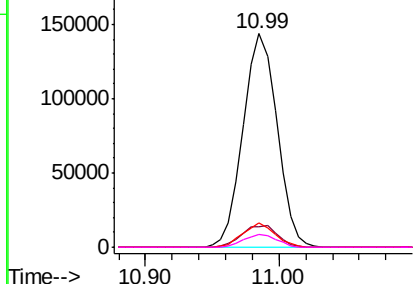
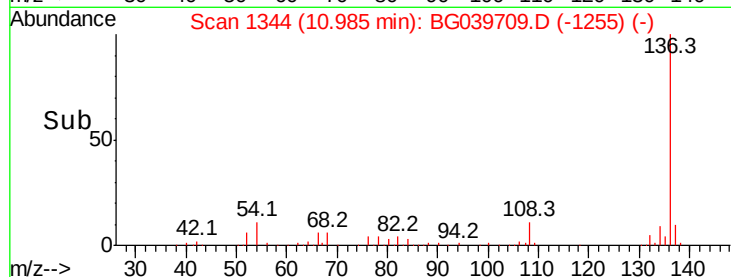
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BG039709.D
Acq: 2 Mar 2019 5:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	254157
Ion Ratio	Lower	Upper
136	100	
137	9.9	9.1 13.7
54	11.1	9.4 14.2
68	5.8	4.2 6.4

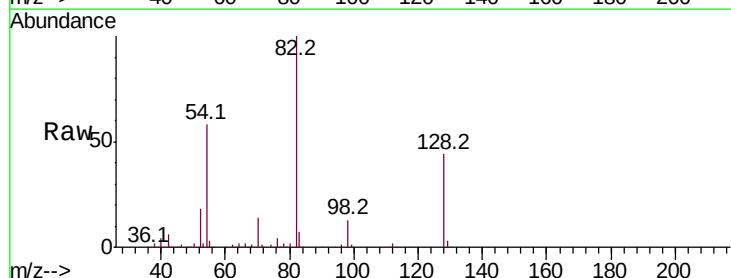


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

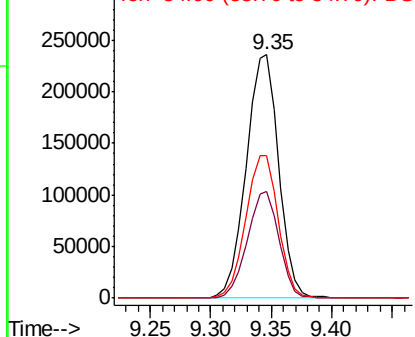
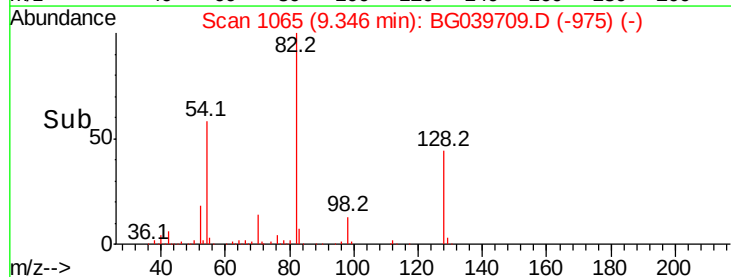


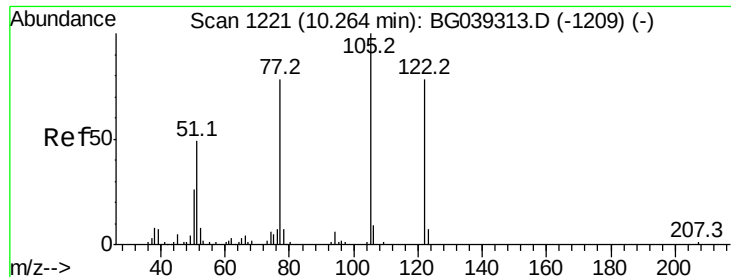
#23
Nitrobenzene-d5
Concen: 108.788 ng
RT: 9.35 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BG039709.D
Acq: 2 Mar 2019 5:30

Tgt Ion: 82	Resp:	442590
Ion Ratio	Lower	Upper
82	100	
128	43.7	31.3 46.9
54	58.5	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

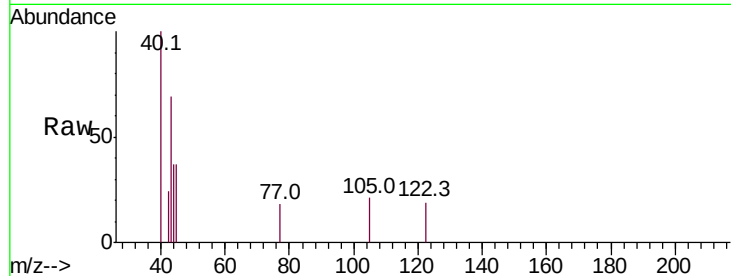




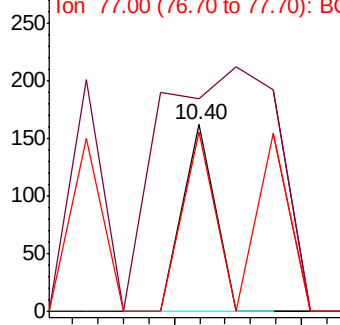
#32
Benzoic acid
Concen: 9.040 ng
RT: 10.40 min Scan# 1245
Delta R.T. 0.14 min
Lab File: BG039709.D
Acq: 2 Mar 2019 5:30

Instrument :
BNA_G
ClientSampleId :

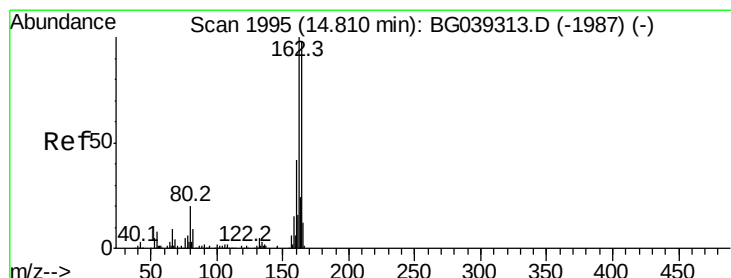
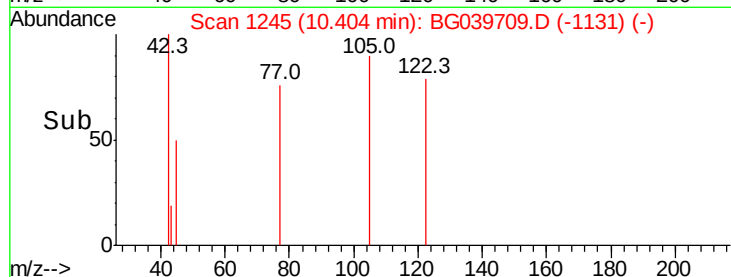
Tot Ion	Ratio	Lower	Upper
122	100		
105	114.2	101.8	141.8
77	96.3	76.3	116.3



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

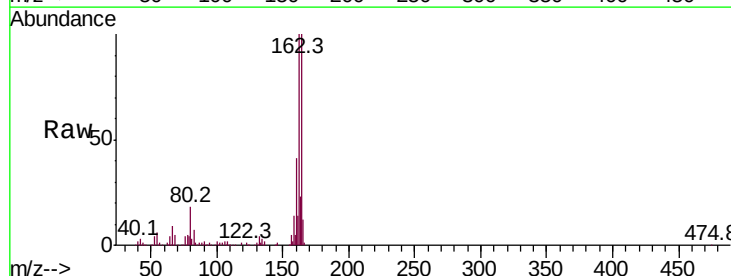


Time-->

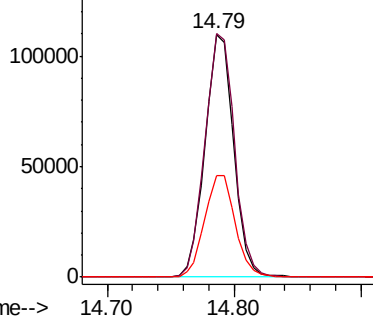


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BG039709.D
Acq: 2 Mar 2019 5:30

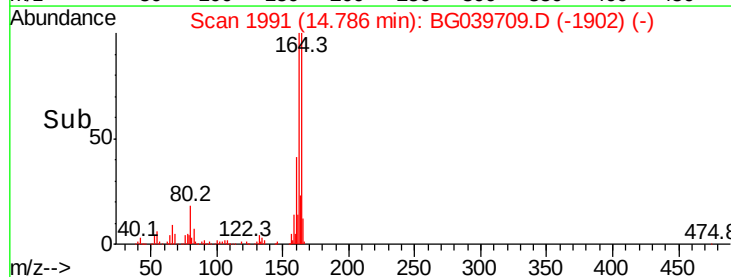
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.6	122.4
160	41.6	34.2	51.2

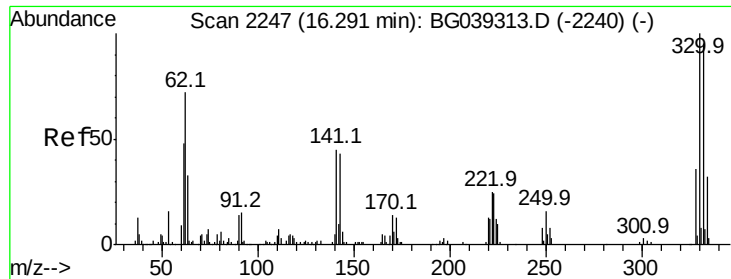


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

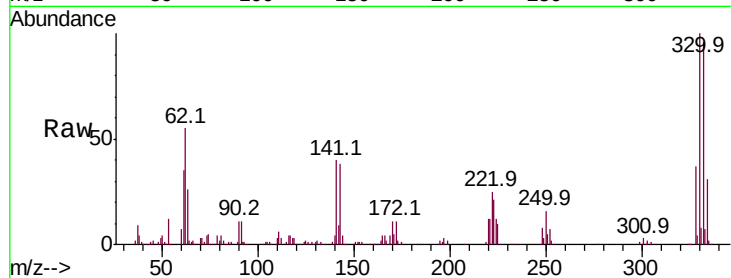




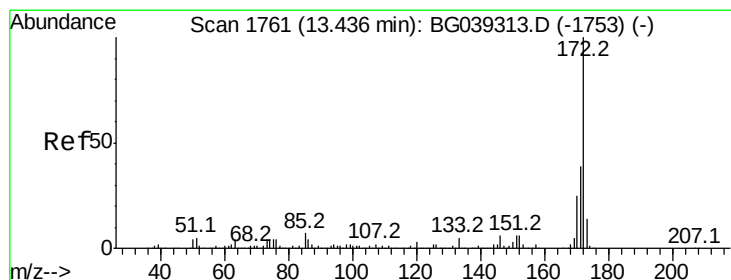
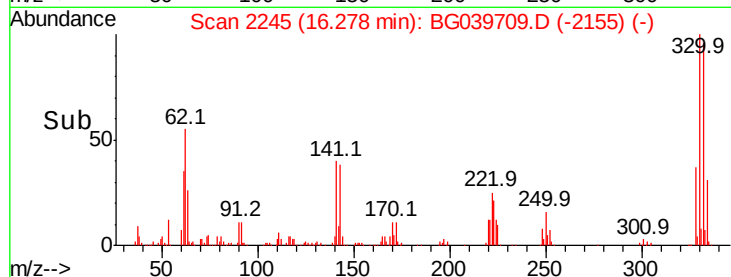
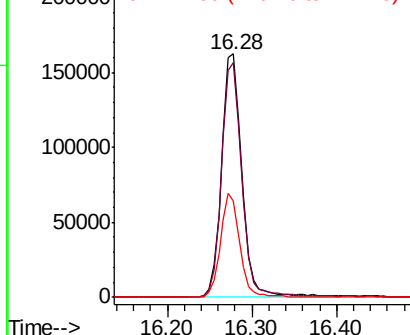
#42
 2,4,6-Tribromophenol
 Concen: 148.283 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BG039709.D
 Acq: 2 Mar 2019 5:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 272831
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.7 113.5
 141 40.4 35.6 53.4

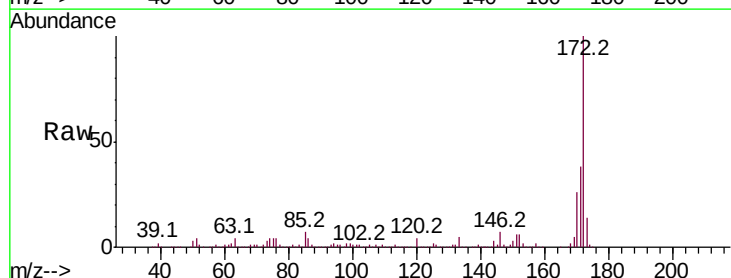


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

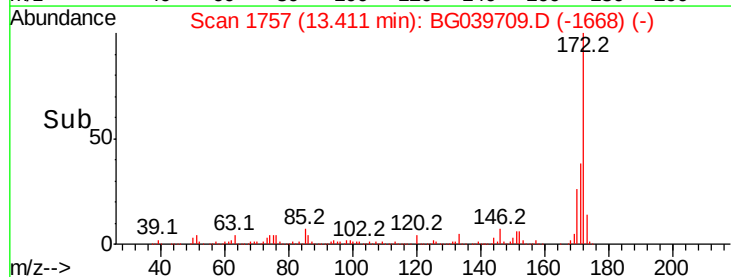
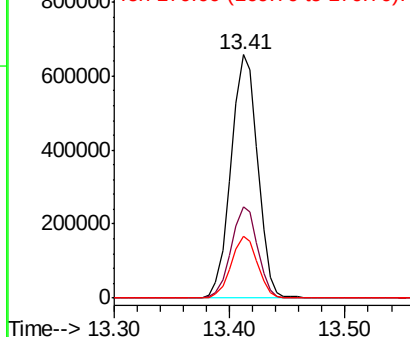


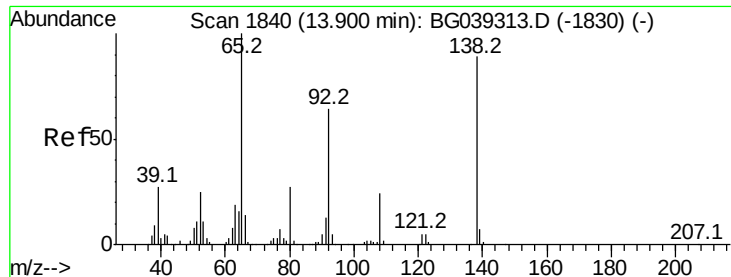
#45
 2-Fluorobiphenyl
 Concen: 88.546 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BG039709.D
 Acq: 2 Mar 2019 5:30

Tgt Ion:172 Resp: 1054657
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.8 46.2
 170 25.5 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

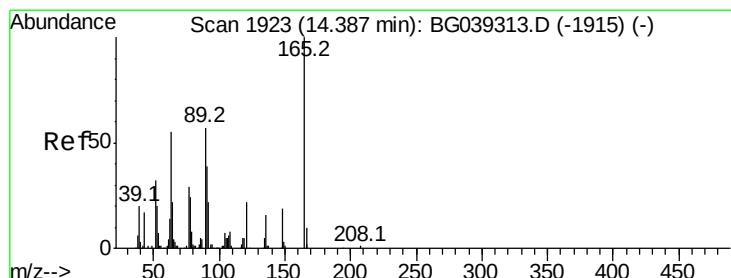
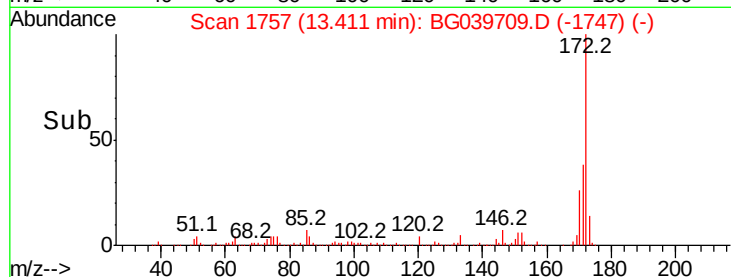
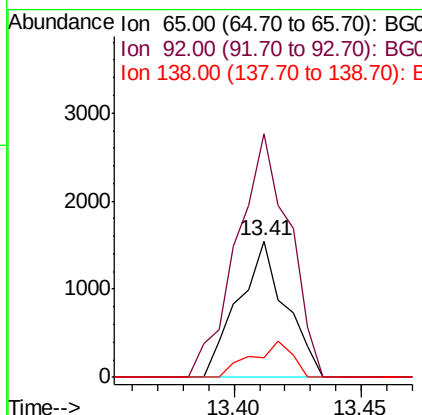
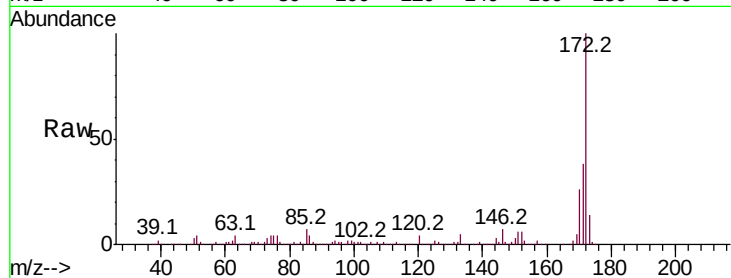




#48
 2-Nitroaniline
 Concen: 8.842 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.47 min
 Lab File: BG039709.D
 Acq: 2 Mar 2019 5:30

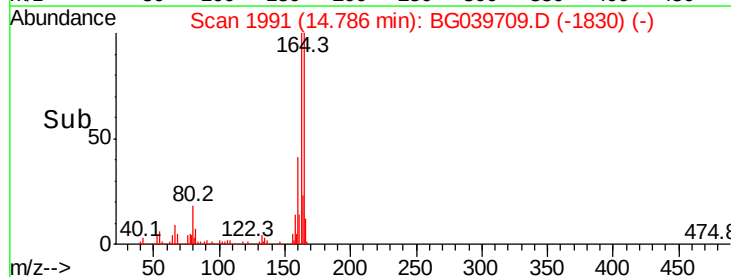
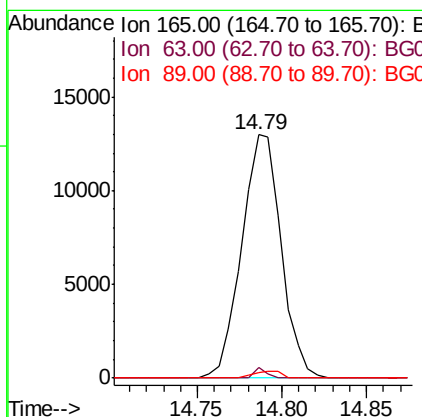
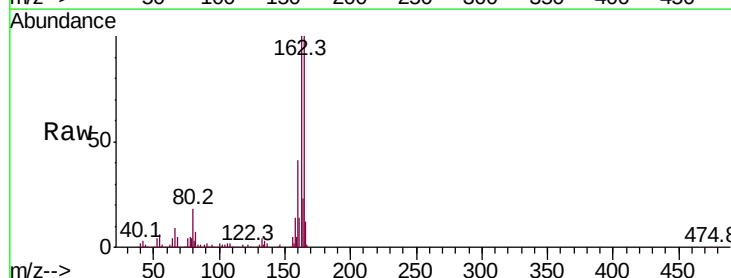
Instrument :
 BNA_G
 ClientSampleId :

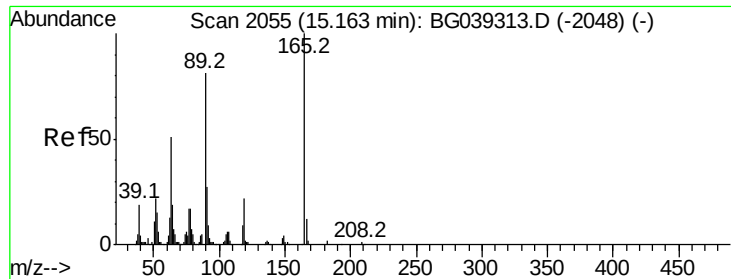
Tot Ion: 65 Resp: 2028
 Ion Ratio Lower Upper
 65 100
 92 179.0 51.4 77.2#
 138 14.3 71.4 107.2#



#51
 2,6-Dinitrotoluene
 Concen: 13.618 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG039709.D
 Acq: 2 Mar 2019 5:30

Tgt Ion: 165 Resp: 21086
 Ion Ratio Lower Upper
 165 100
 63 4.5 47.0 70.6#
 89 2.2 45.8 68.8#





#57

2,4-Dinitrotoluene

Concen: 13.167 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG039709.D

Acq: 2 Mar 2019 5:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 21086

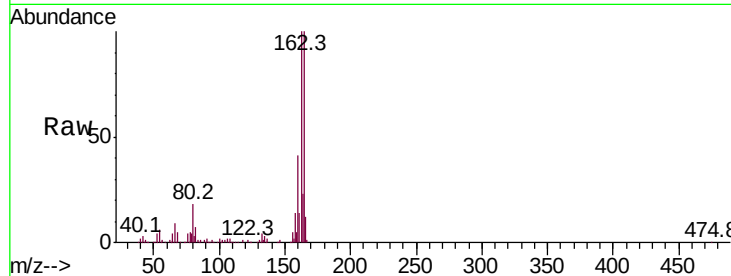
Ion Ratio Lower Upper

165 100

63 4.5 41.0 61.6#

89 2.2 64.6 96.8#

182 0.0 2.0 3.0#

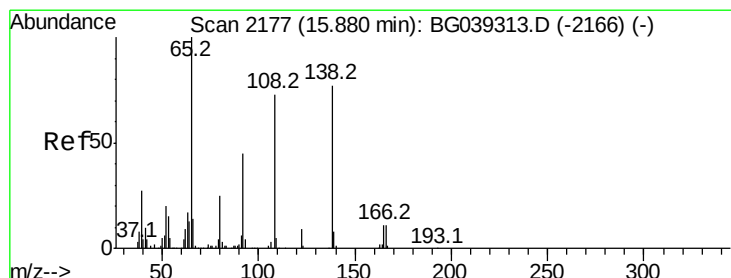
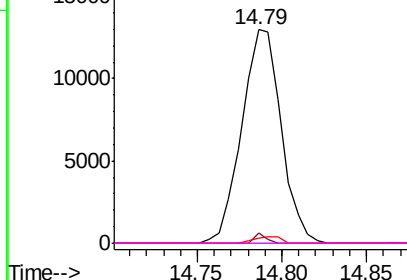
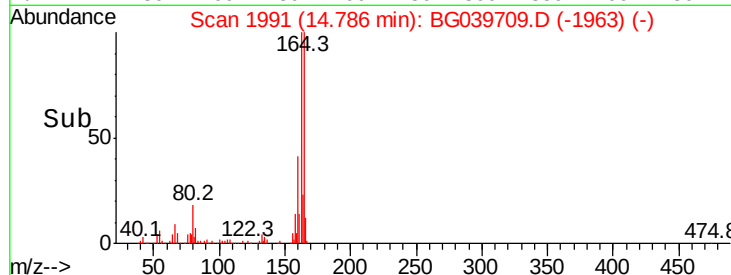


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.220 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.41 min

Lab File: BG039709.D

Acq: 2 Mar 2019 5:30

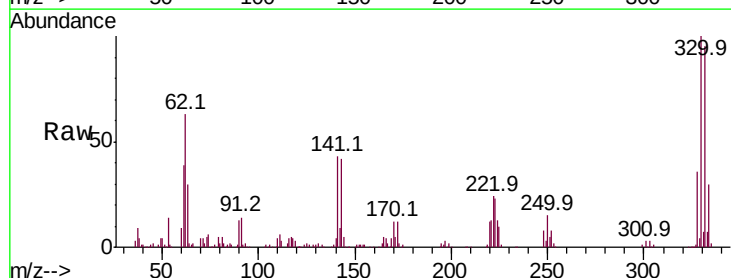
Tgt Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

92 1316.9 38.7 78.7#

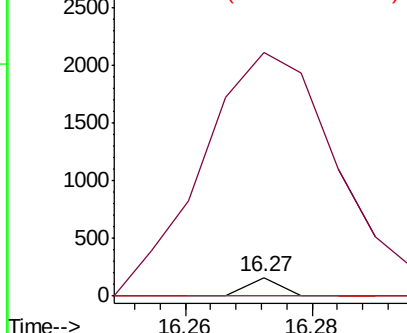
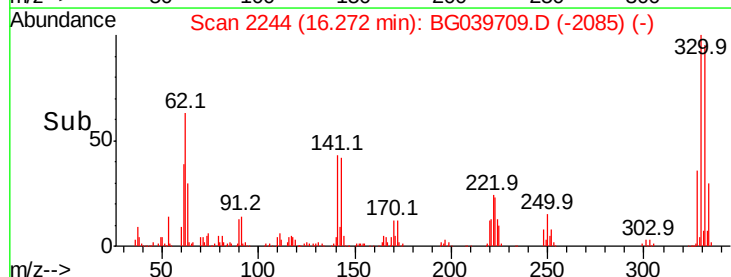
108 0.0 74.6 114.6#

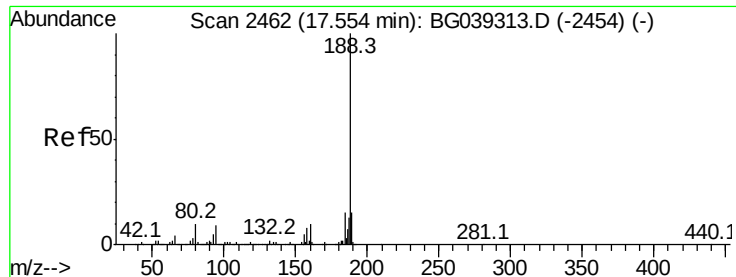


Abundance Ion 138.00 (137.70 to 138.70): E

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: 17.54 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BG039709.D

Acq: 2 Mar 2019 5:30

Instrument :

BNA_G

ClientSampleId :

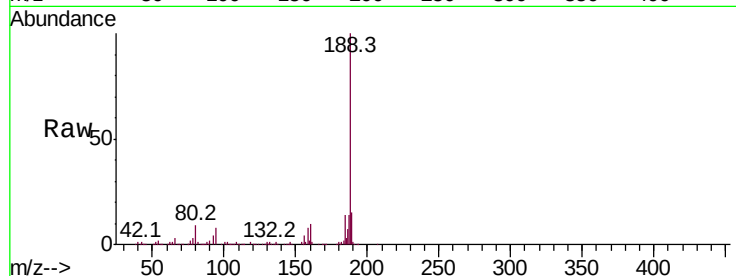
Tot Ion:188 Resp: 423566

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

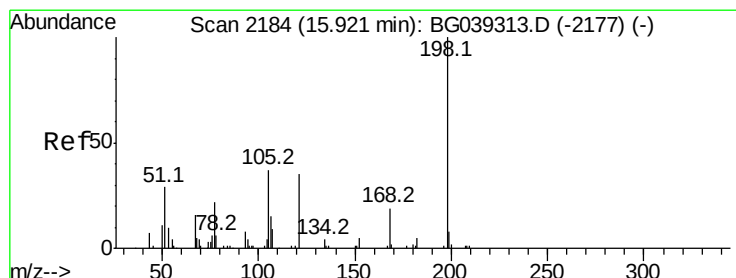
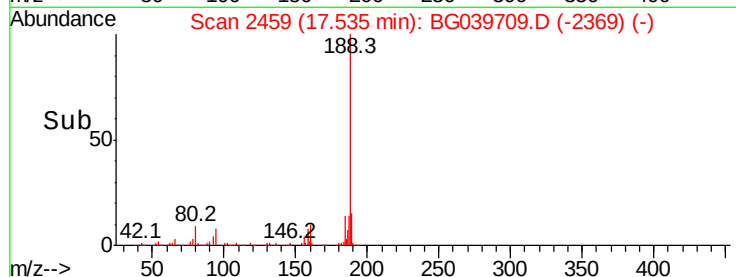
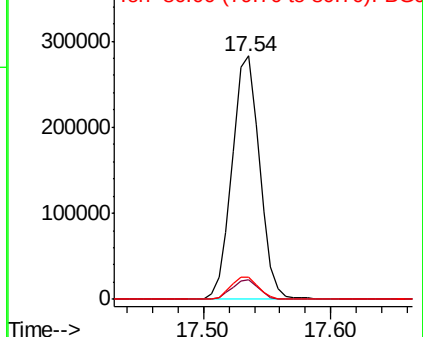
80 9.1 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 4.953 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.37 min

Lab File: BG039709.D

Acq: 2 Mar 2019 5:30

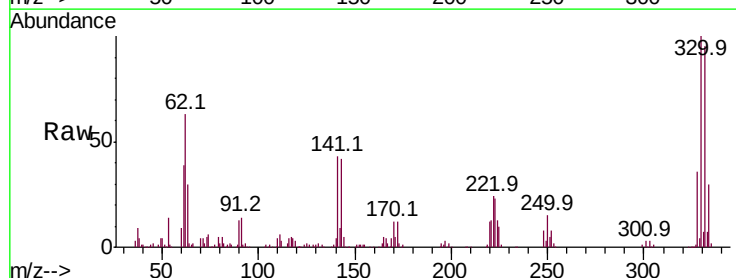
Tgt Ion:198 Resp: 1028

Ion Ratio Lower Upper

198 100

51 171.8 27.4 67.4#

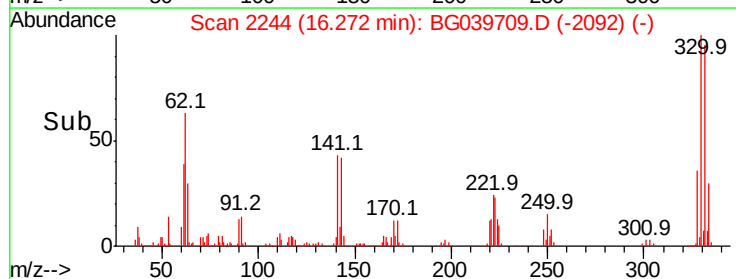
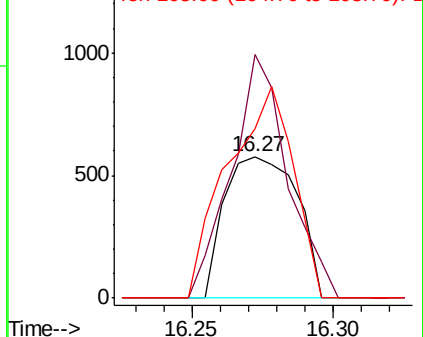
105 119.4 19.7 59.7#

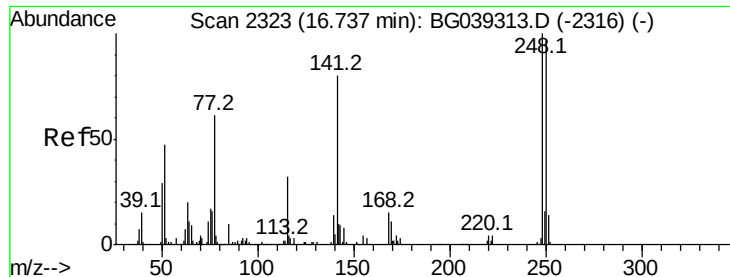


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

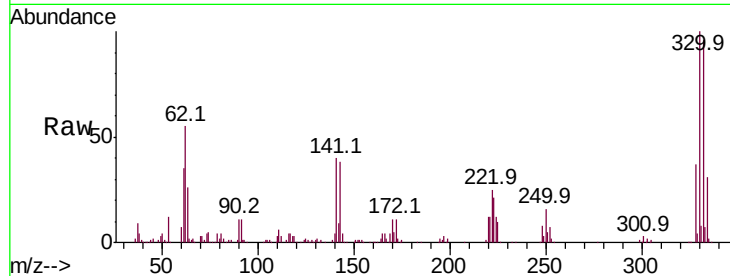




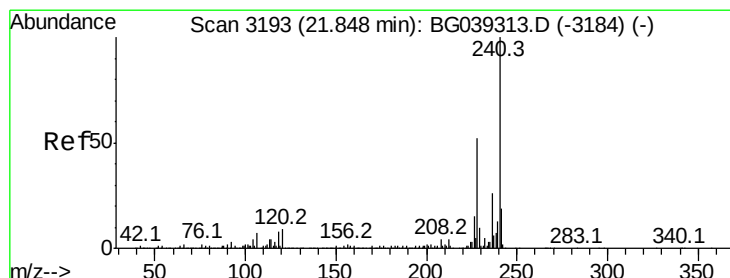
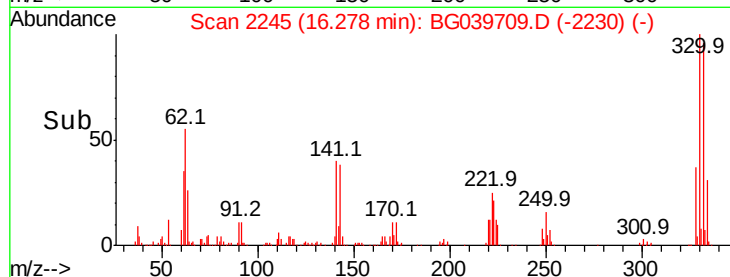
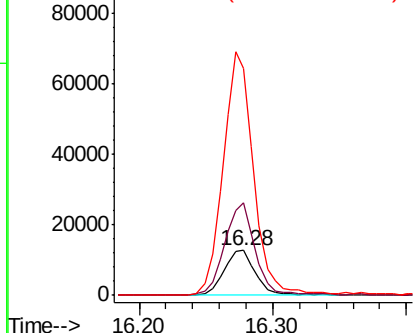
#67
 4-Bromophenyl-phenylether
 Concen: 4.465 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.44 min
 Lab File: BG039709.D
 Acq: 2 Mar 2019 5:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 20979
 Ion Ratio Lower Upper
 248 100
 250 204.4 77.6 116.4#
 141 503.9 63.9 95.9#

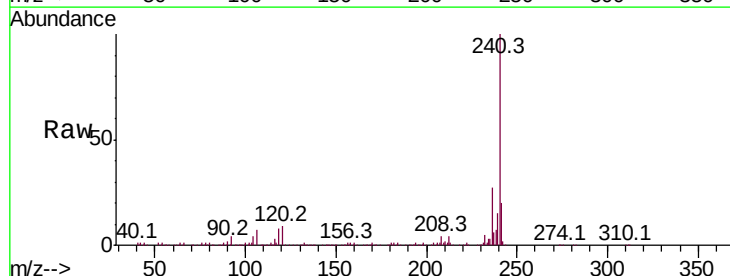


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

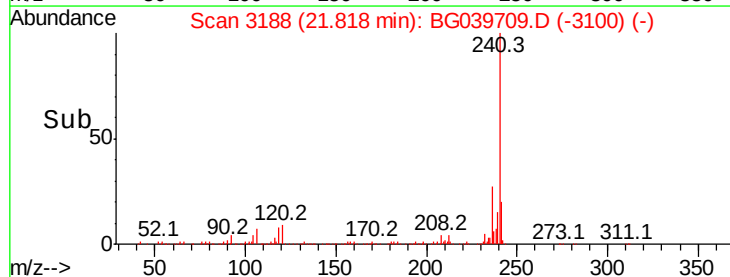
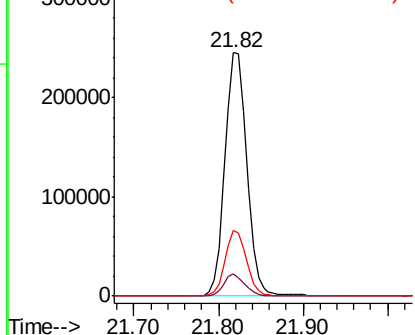


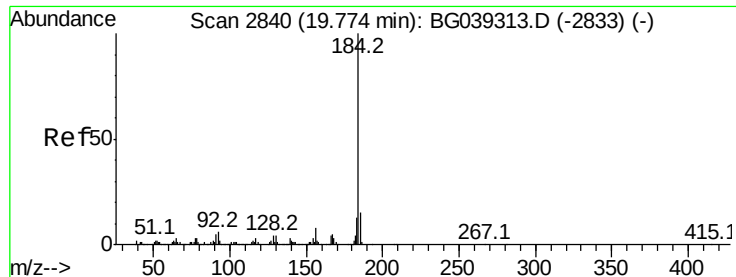
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG039709.D
 Acq: 2 Mar 2019 5:30

Tgt Ion:240 Resp: 441067
 Ion Ratio Lower Upper
 240 100
 120 9.0 7.0 10.6
 236 27.1 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





#77

Benzidine

Concen: 2.157 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG039709.D

Acq: 2 Mar 2019 5:30

Instrument :

BNA_G

ClientSampleId :

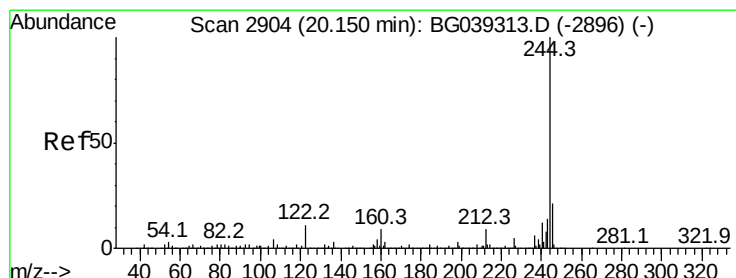
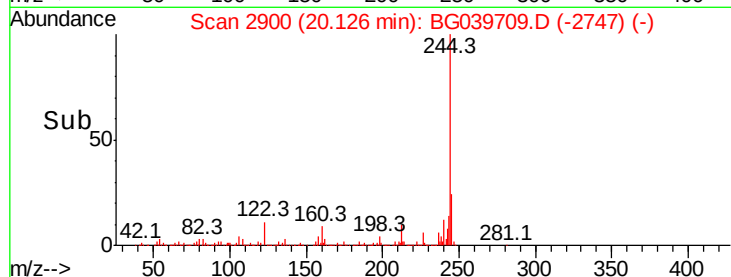
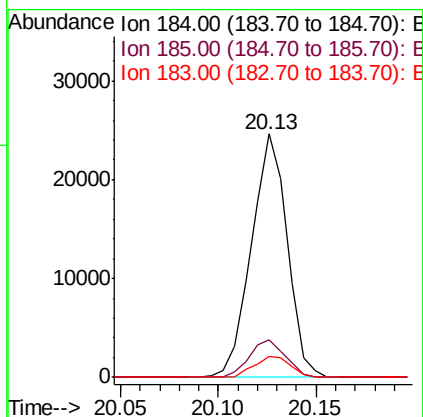
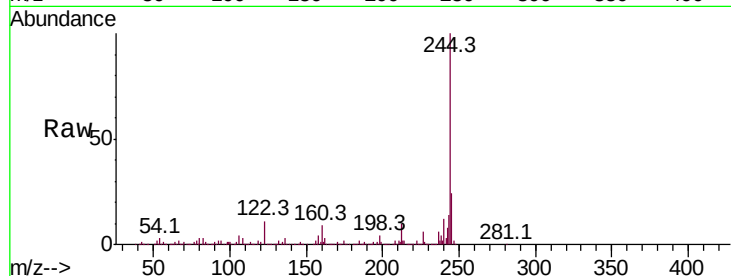
Tot Ion:184 Resp: 31189

Ion Ratio Lower Upper

184 100

185 15.5 12.2 18.2

183 8.8 10.6 15.8#



#79

Terphenyl-d14

Concen: 80.663 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG039709.D

Acq: 2 Mar 2019 5:30

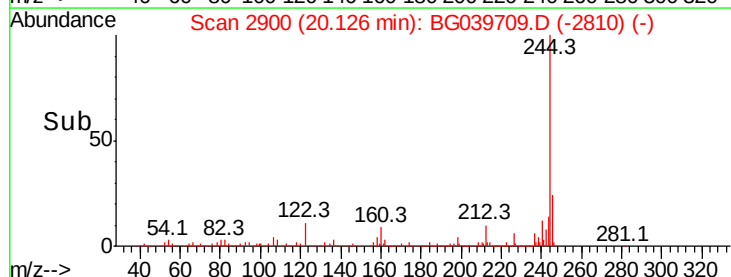
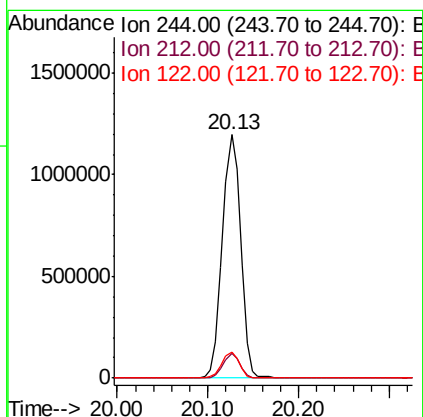
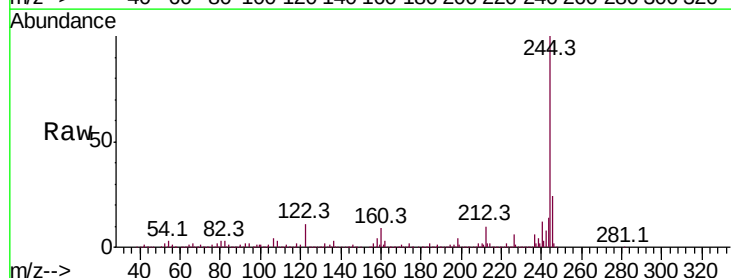
Tgt Ion:244 Resp: 1680823

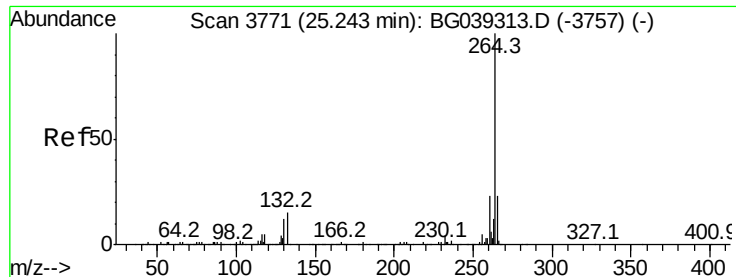
Ion Ratio Lower Upper

244 100

212 10.0 7.3 10.9

122 10.6 8.4 12.6

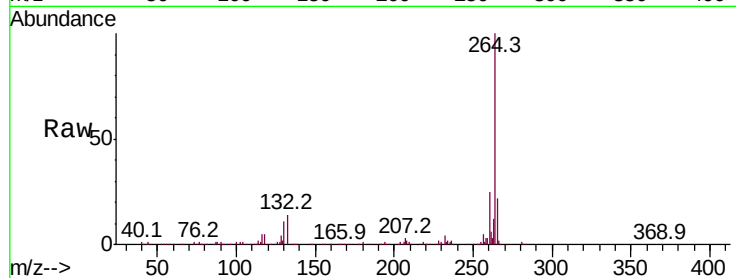




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.20 min Scan# 3764
 Delta R.T. 0.00 min
 Lab File: BG039709.D
 Acq: 2 Mar 2019 5:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.2	27.4
265	22.1	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

