

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039718.D
 Acq On : 2 Mar 2019 11:22
 Operator : JU/SJ
 Sample : K1675-36
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:49:05 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	53499	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	234361	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	152769	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	344182	20.00	ng	0.00
76) Chrysene-d12	21.82	240	357285	20.00	ng	-0.01
87) Perylene-d12	25.20	264	331192	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	401410	128.42	ng	0.00
7) Phenol-d6	7.31	99	520358	113.09	ng	0.00
23) Nitrobenzene-d5	9.34	82	383121	102.13	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	189920	115.45	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	910501	85.50	ng	0.00
79) Terphenyl-d14	20.12	244	1349253	79.93	ng	0.00

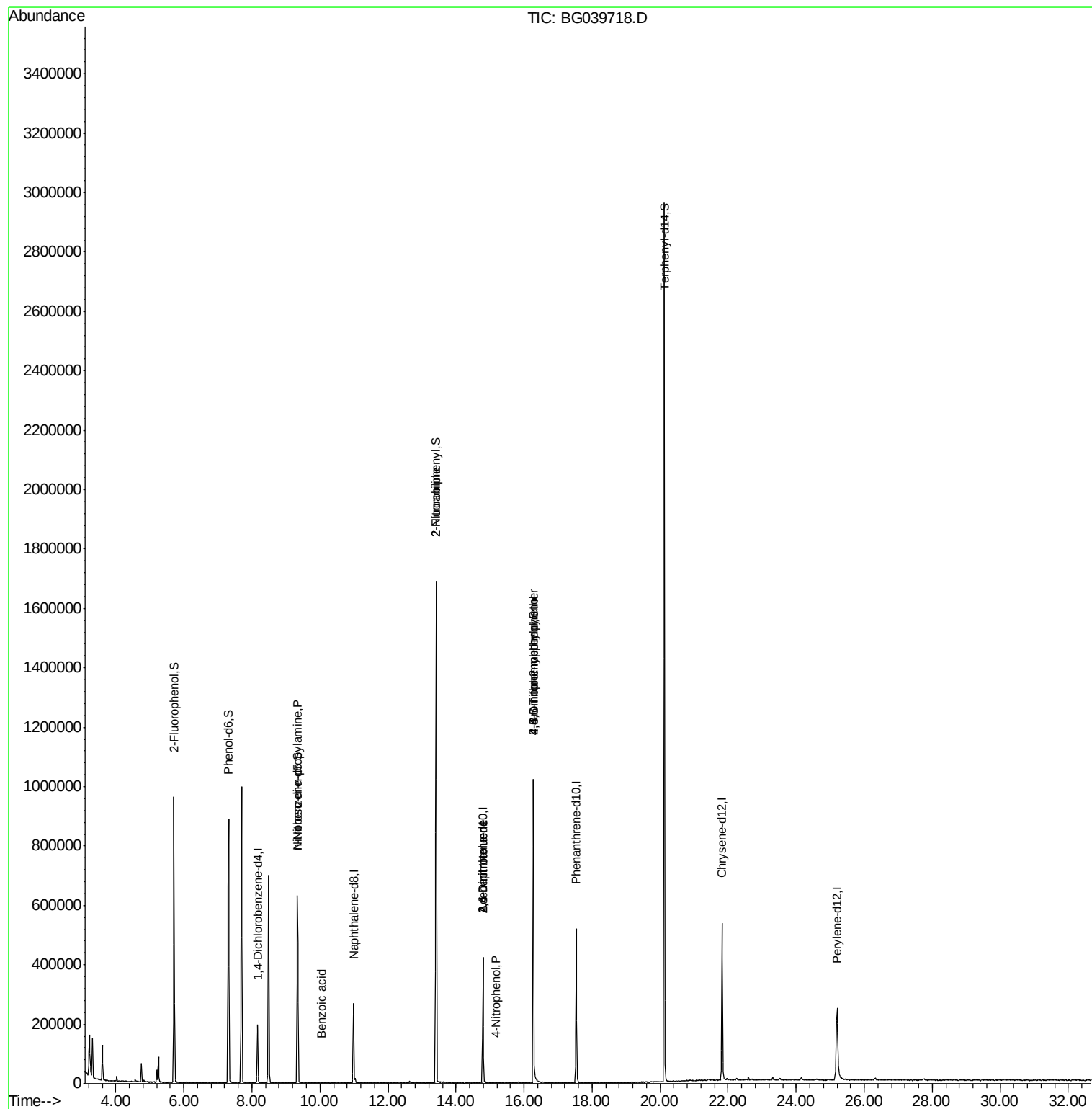
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	452	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	51135	15.658	ng	# 69
32) Benzoic acid	10.04	122	61	9.044	ng	# 1
48) 2-Nitroaniline	13.41	65	1556	8.765	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	20633	14.284	ng	# 23
56) 4-Nitrophenol	15.18	139	569	6.030	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20633	13.672	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.27	198	663	4.792	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	13881	3.635	ng	# 1

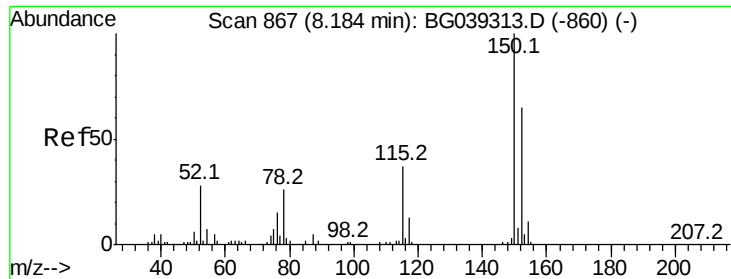
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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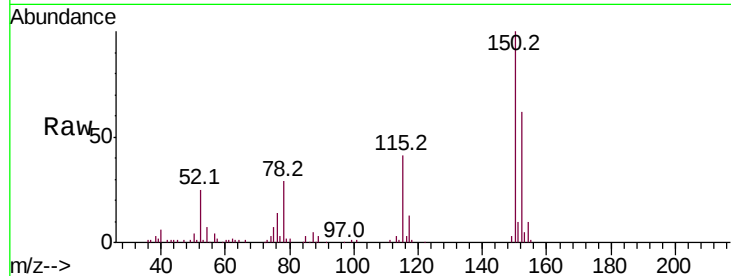


#1

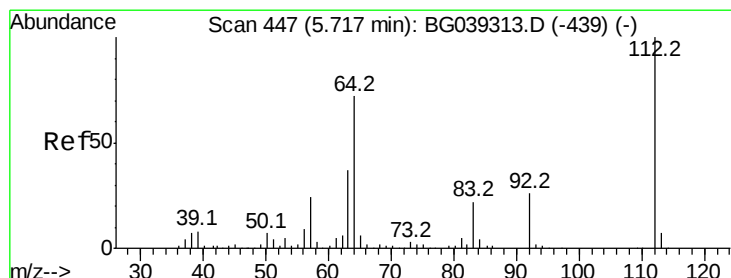
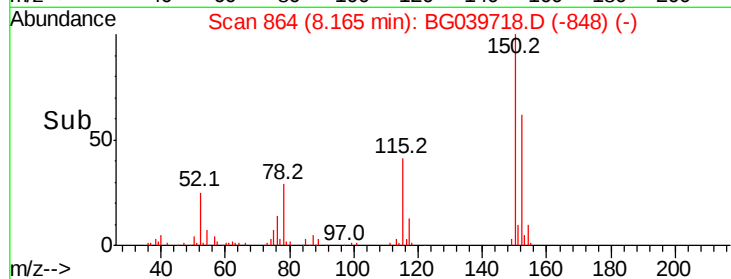
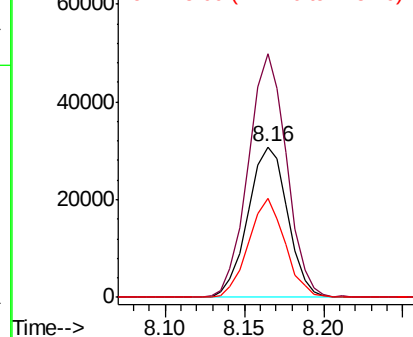
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039718.D
Acq: 2 Mar 2019 11:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53499
Ion Ratio Lower Upper
152 100
150 161.9 123.7 185.5
115 65.6 45.9 68.9



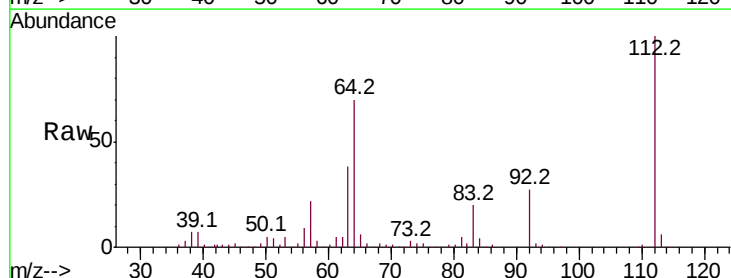
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



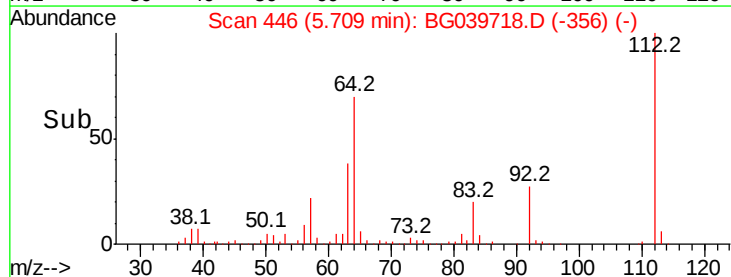
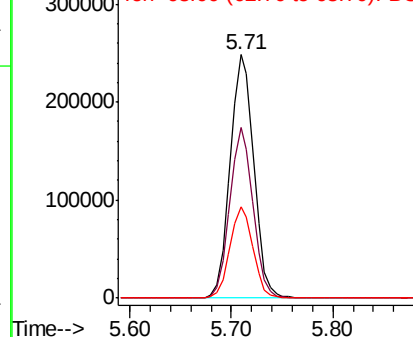
#5

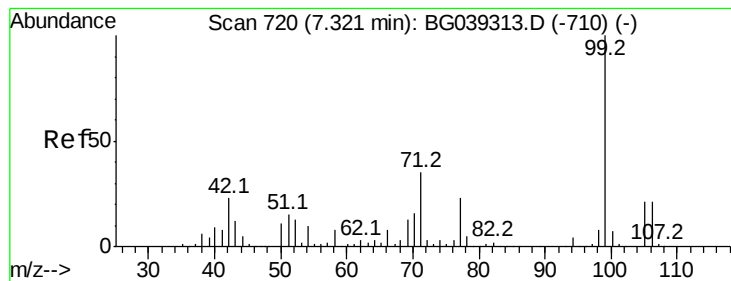
2-Fluorophenol
Concen: 128.417 ng
RT: 5.71 min Scan# 446
Delta R.T. 0.00 min
Lab File: BG039718.D
Acq: 2 Mar 2019 11:22

Tgt Ion:112 Resp: 401410
Ion Ratio Lower Upper
112 100
64 69.9 57.8 86.8
63 37.6 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: 113.093 ng

RT: 7.31 min Scan# 719

Delta R.T. 0.00 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

Instrument :

BNA_G

ClientSampleId :

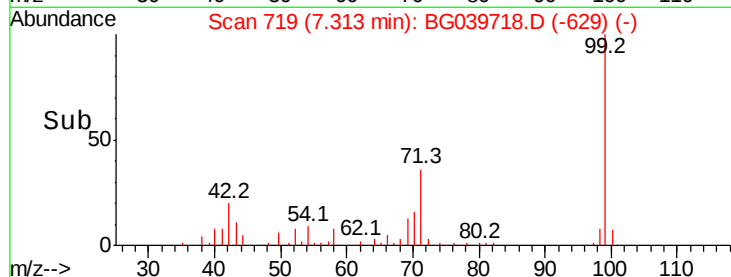
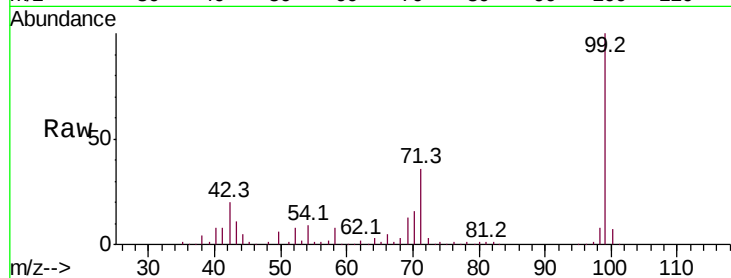
Tot Ion: 99 Resp: 520358

Ion Ratio Lower Upper

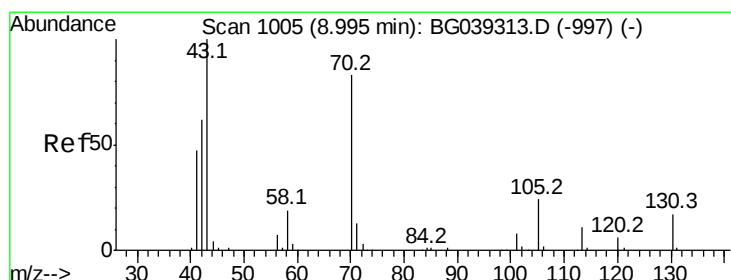
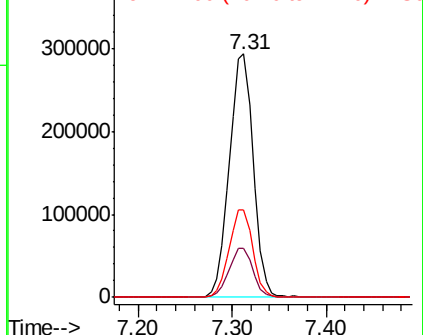
99 100

42 20.4 18.2 27.2

71 35.9 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: 15.658 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

Tgt Ion: 70 Resp: 51135

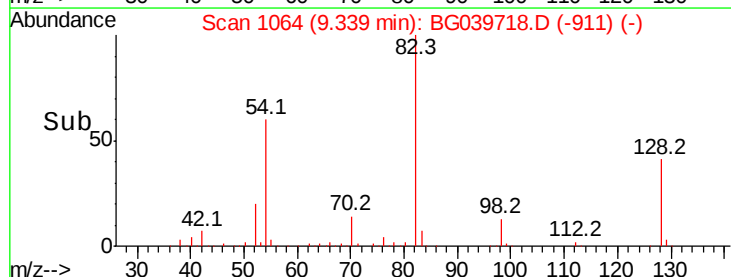
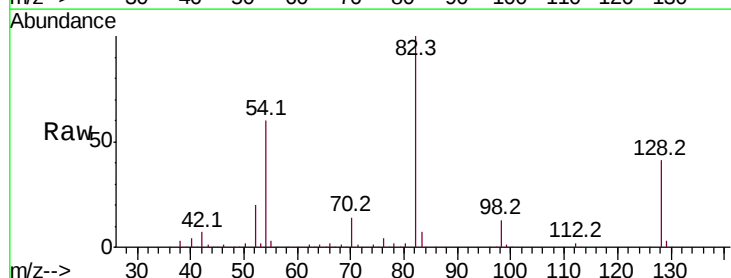
Ion Ratio Lower Upper

70 100

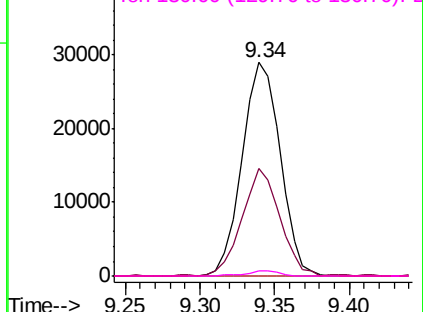
42 50.6 60.4 90.6#

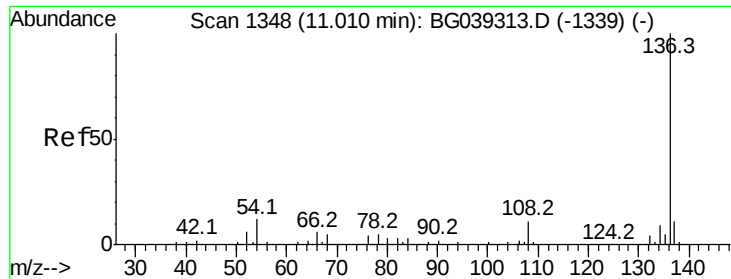
101 0.0 7.5 11.3#

130 2.3 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

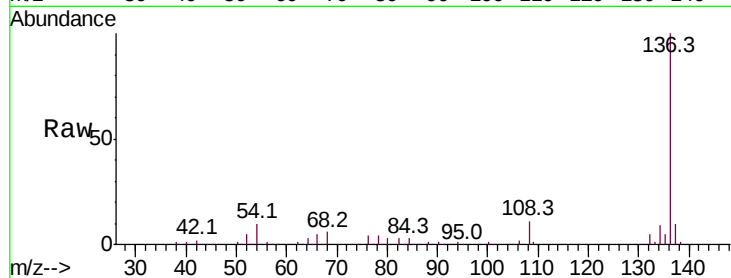




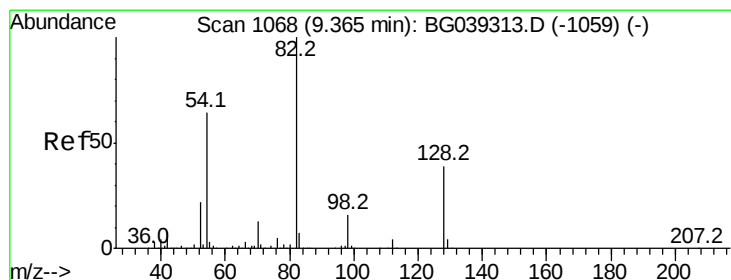
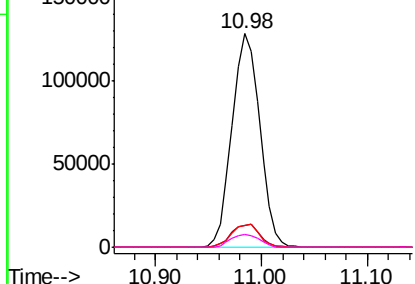
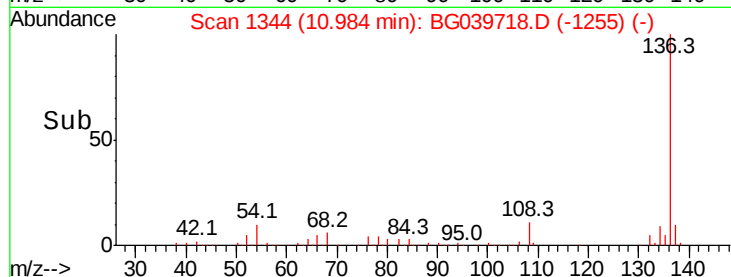
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BG039718.D
Acq: 2 Mar 2019 11:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	234361
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.4	9.4	14.2
68	6.2	4.2	6.4

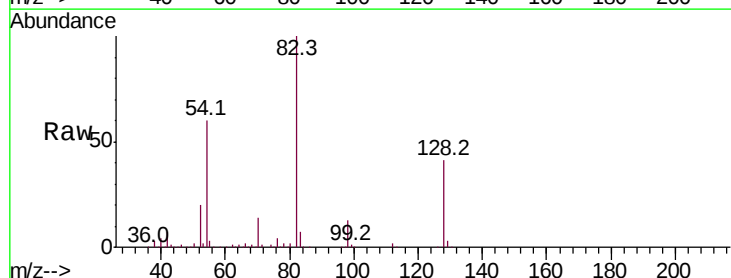


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

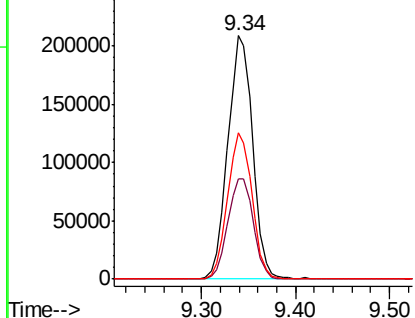
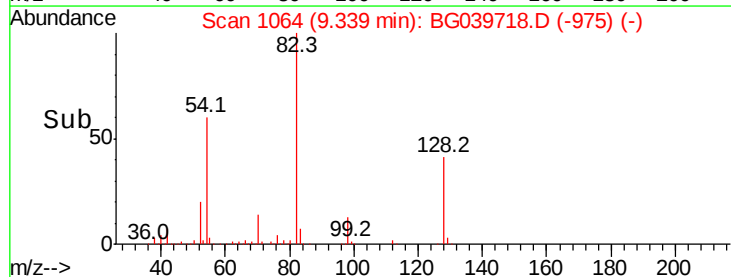


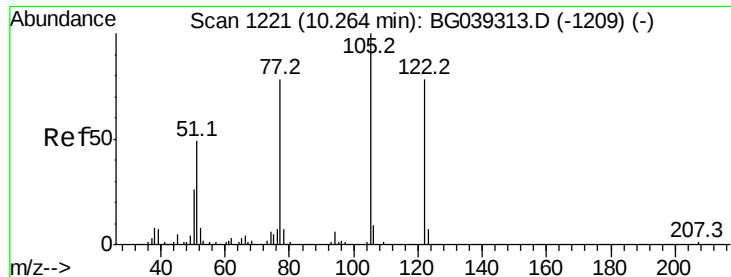
#23
Nitrobenzene-d5
Concen: 102.125 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG039718.D
Acq: 2 Mar 2019 11:22

Tgt Ion:	82	Resp:	383121
Ion	Ratio	Lower	Upper
82	100		
128	41.4	31.3	46.9
54	60.2	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 9.044 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.22 min

Lab File: BG039718.D

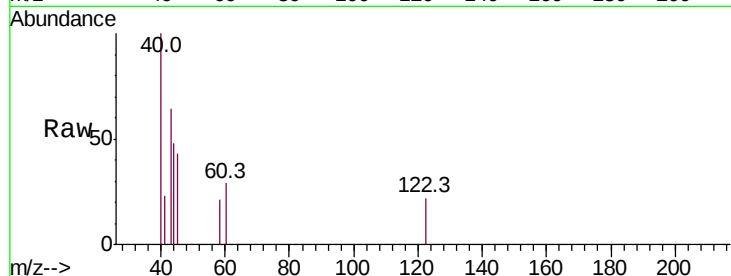
Acq: 2 Mar 2019 11:22

Instrument :

BNA_G

ClientSampleId :

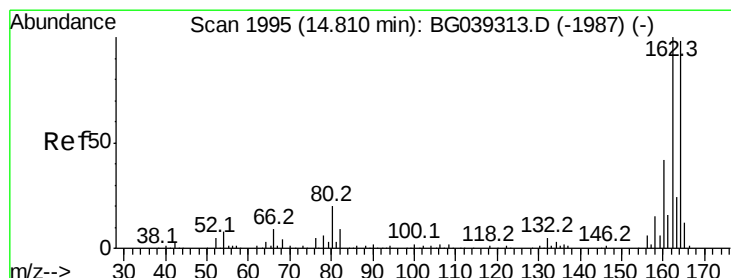
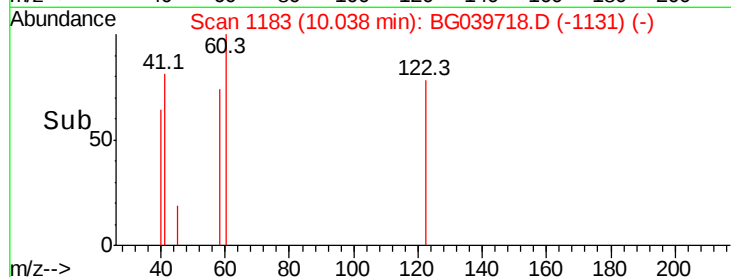
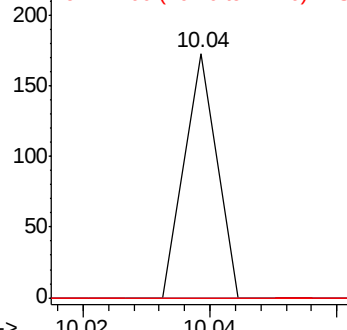
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



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): B



#39

Acenaphthene-d10

Concen: 20.000 ng

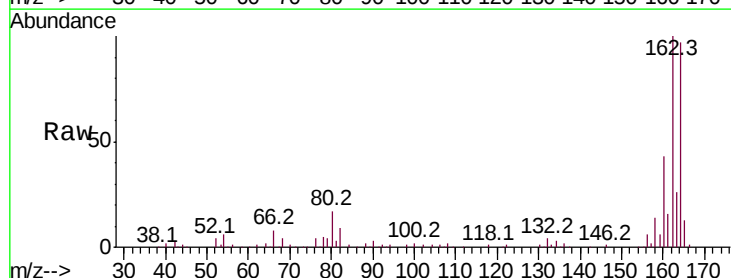
RT: 14.79 min Scan# 1992

Delta R.T. 0.00 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

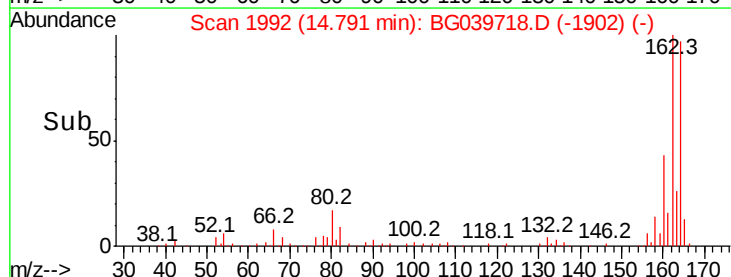
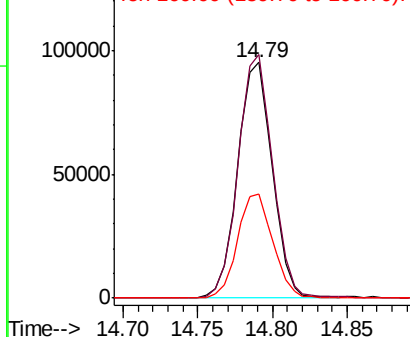
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.6	122.4
160	44.2	34.2	51.2

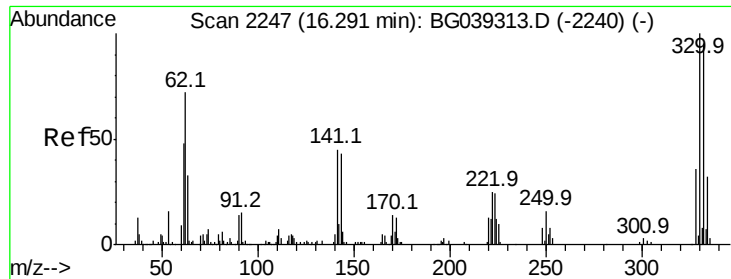


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

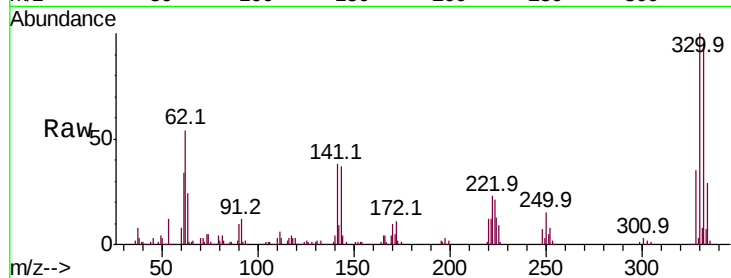




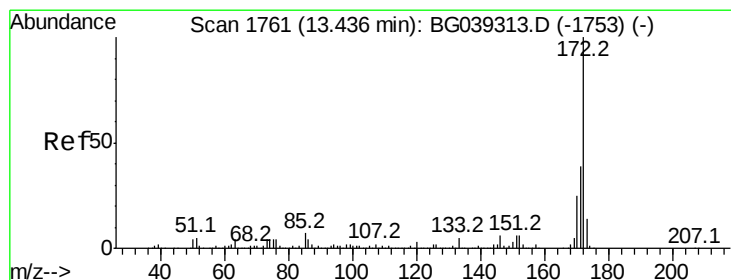
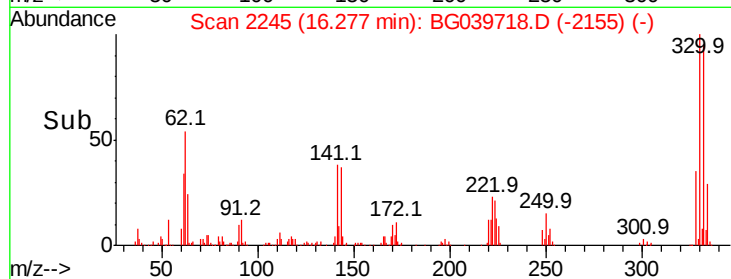
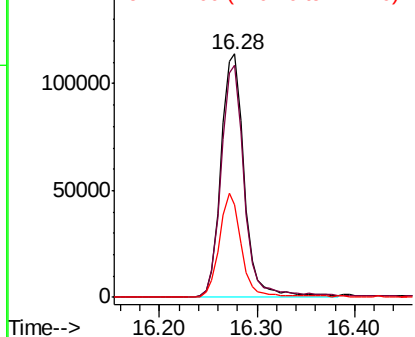
#42
 2,4,6-Tribromophenol
 Concen: 115.449 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BG039718.D
 Acq: 2 Mar 2019 11:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 189920
 Ion Ratio Lower Upper
 330 100
 332 95.1 75.7 113.5
 141 39.8 35.6 53.4

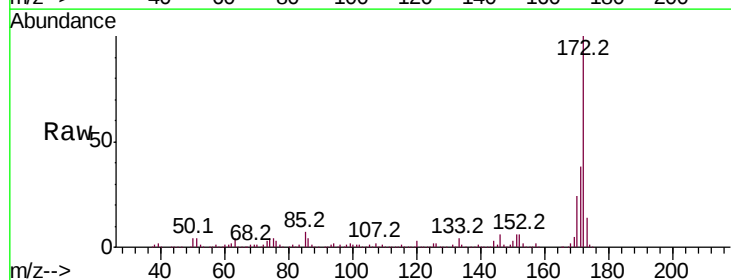


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

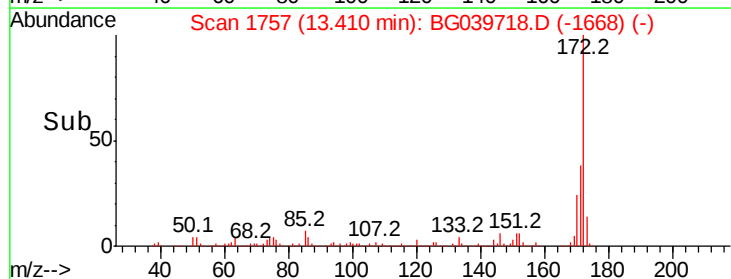
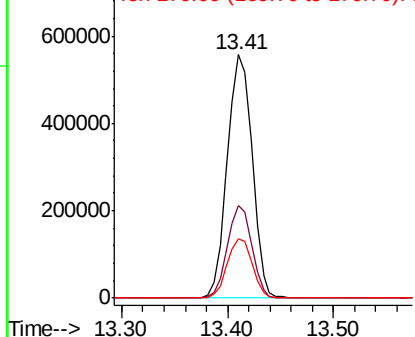


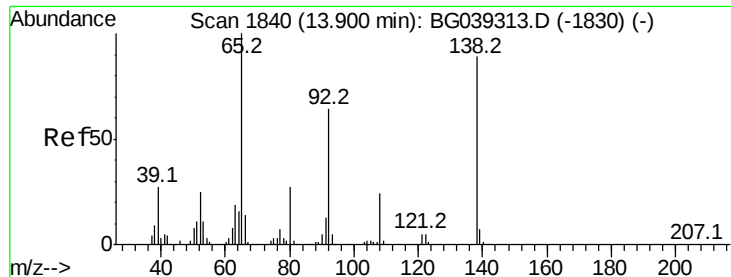
#45
 2-Fluorobiphenyl
 Concen: 85.499 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BG039718.D
 Acq: 2 Mar 2019 11:22

Tgt Ion:172 Resp: 910501
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.8 46.2
 170 24.4 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: 8.765 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.47 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

Instrument :

BNA_G

ClientSampleId :

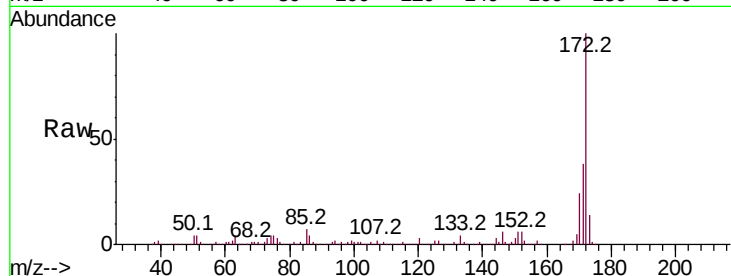
Tot Ion: 65 Resp: 1556

Ion Ratio Lower Upper

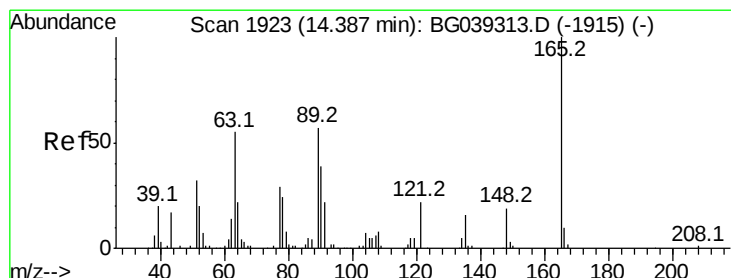
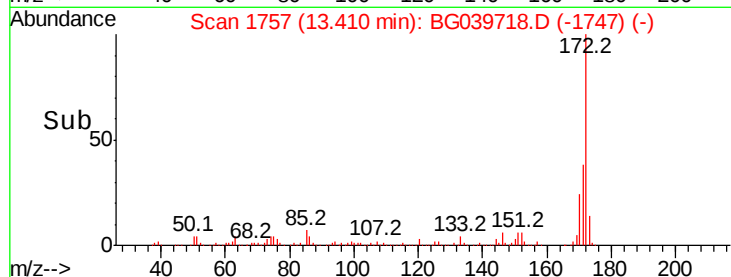
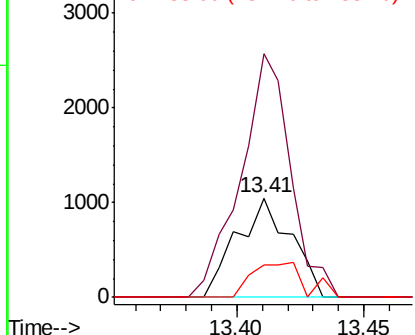
65 100

92 245.8 51.4 77.2#

138 33.0 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



#51

2,6-Dinitrotoluene

Concen: 14.284 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.42 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

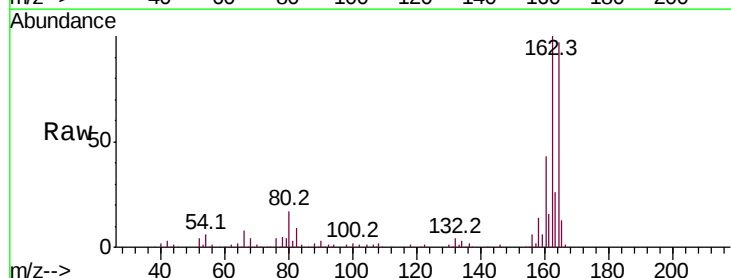
Tgt Ion:165 Resp: 20633

Ion Ratio Lower Upper

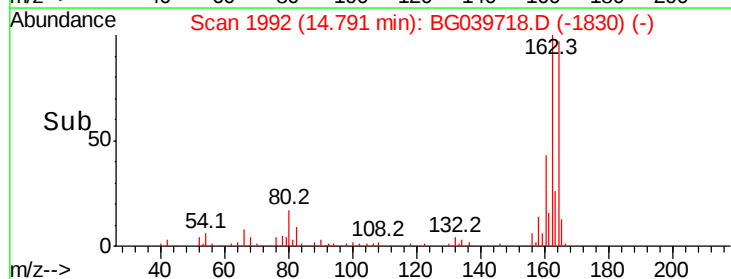
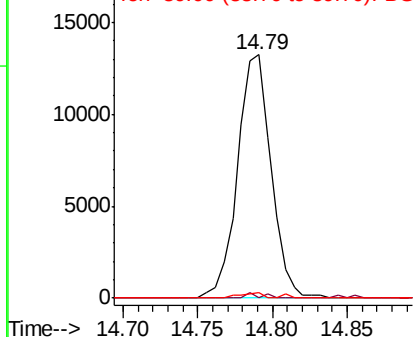
165 100

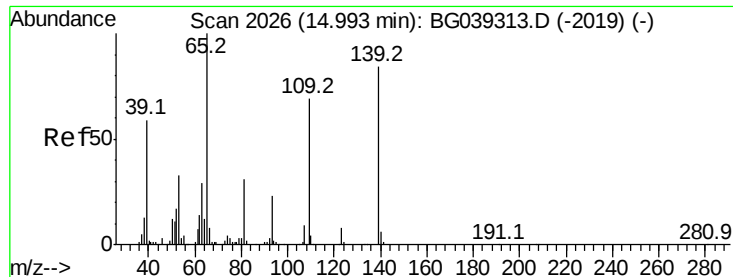
63 0.0 47.0 70.6#

89 2.3 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





#56

4-Nitrophenol

Concen: 6.030 ng

RT: 15.18 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

Instrument :

BNA_G

ClientSampleId :

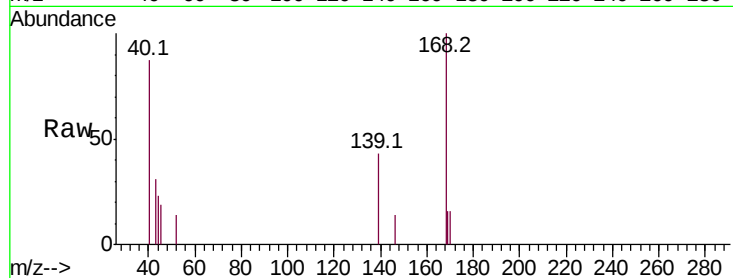
Tot Ion:139 Resp: 569

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

65 0.0 99.1 139.1#



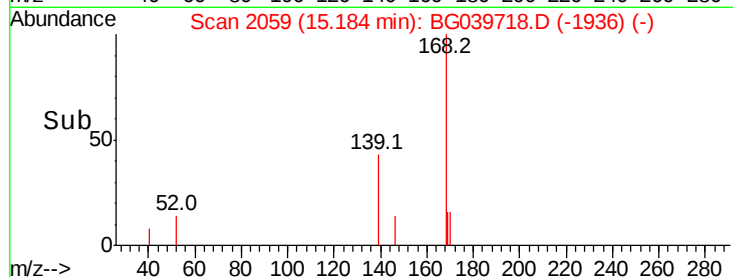
Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

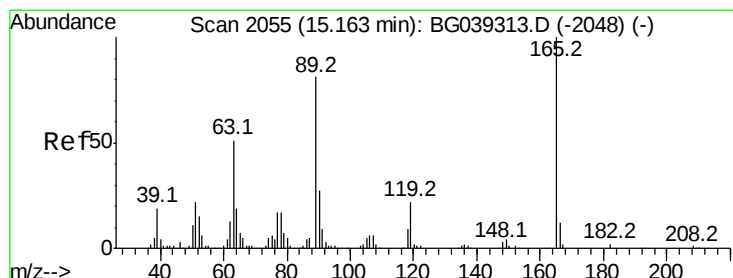
Ion 65.00 (64.70 to 65.70): E

15.18

15.15 15.20



Time-->



#57

2,4-Dinitrotoluene

Concen: 13.672 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.36 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

Tgt Ion:165 Resp: 20633

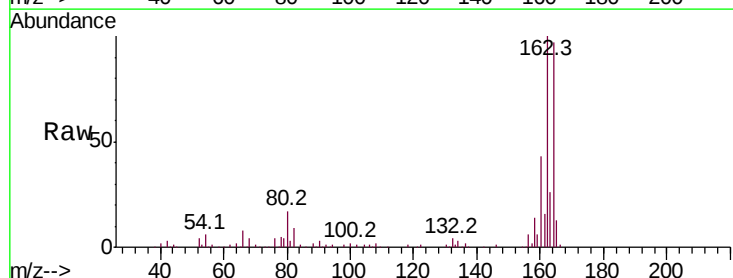
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 2.3 64.6 96.8#

182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E

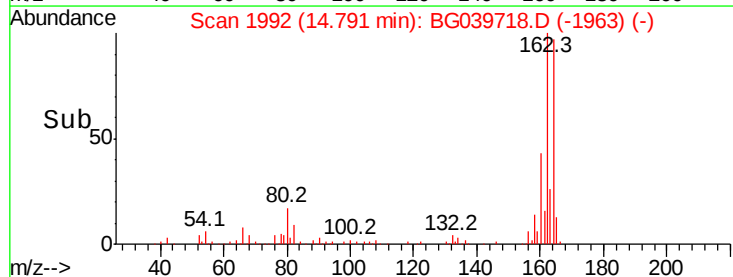
Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

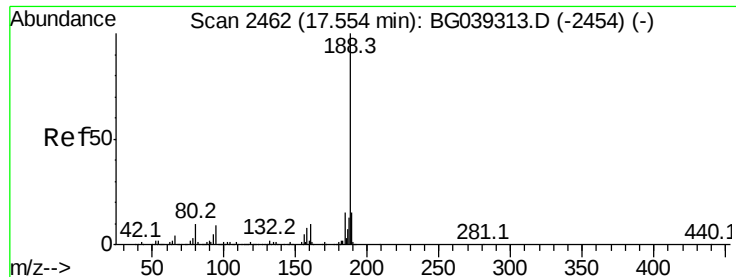
Ion 182.00 (181.70 to 182.70): E

14.79

14.70 14.75 14.80 14.85



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

Instrument :

BNA_G

ClientSampled :

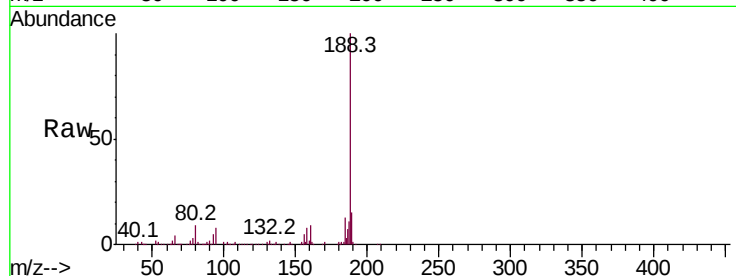
Tot Ion:188 Resp: 344182

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

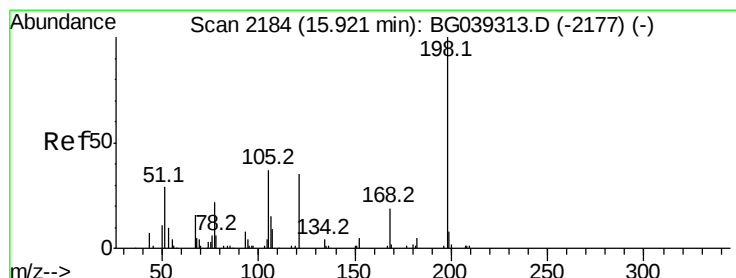
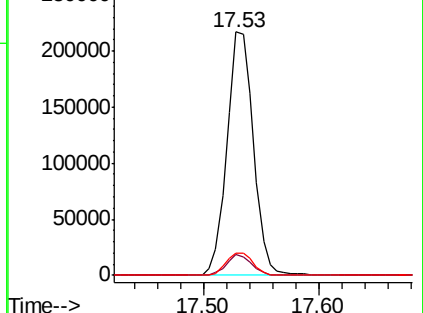
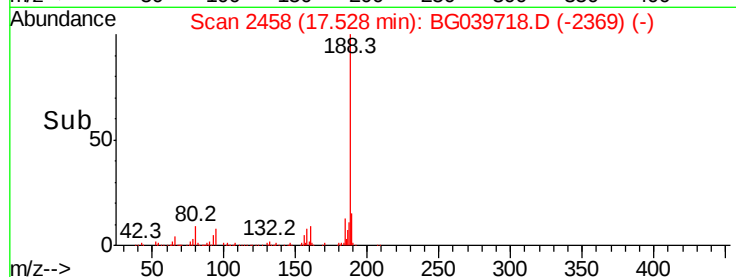
80 9.3 8.1 12.1



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: 4.792 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.36 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

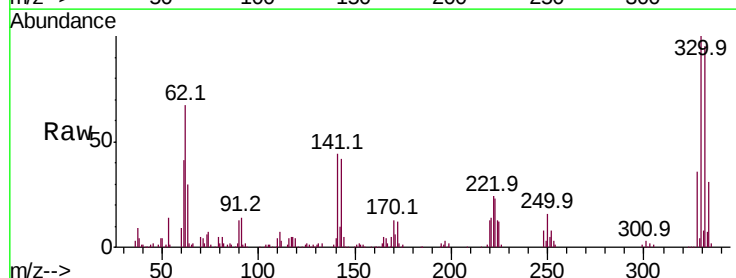
Tgt Ion:198 Resp: 663

Ion Ratio Lower Upper

198 100

51 107.7 27.4 67.4#

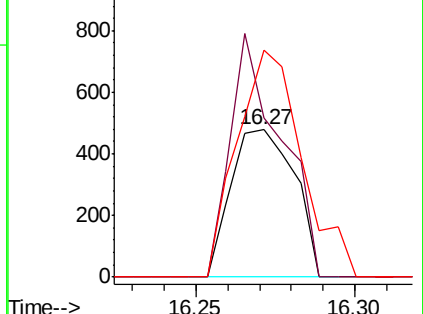
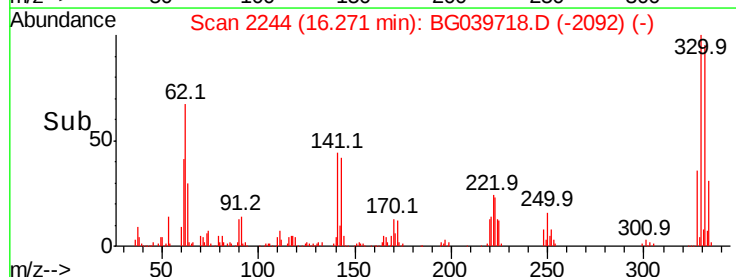
105 154.6 19.7 59.7#

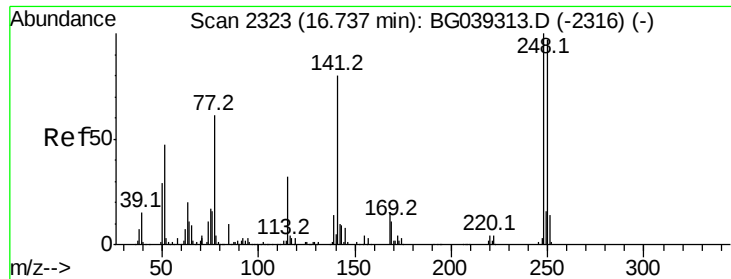


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

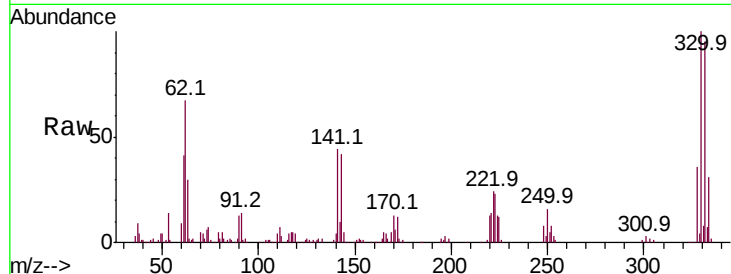




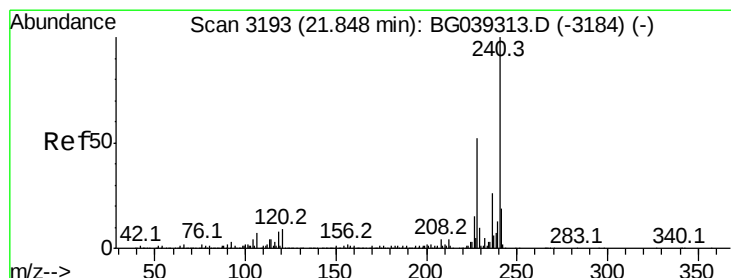
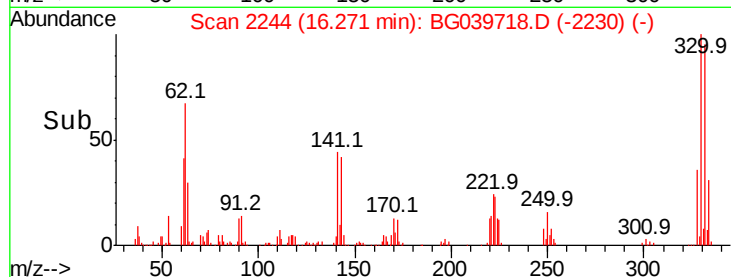
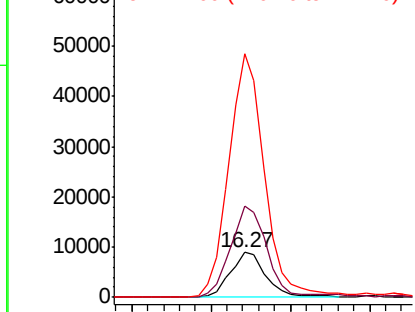
#67
 4-Bromophenyl-phenylether
 Concen: 3.635 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039718.D
 Acq: 2 Mar 2019 11:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13881
 Ion Ratio Lower Upper
 248 100
 250 203.0 77.6 116.4#
 141 543.9 63.9 95.9#

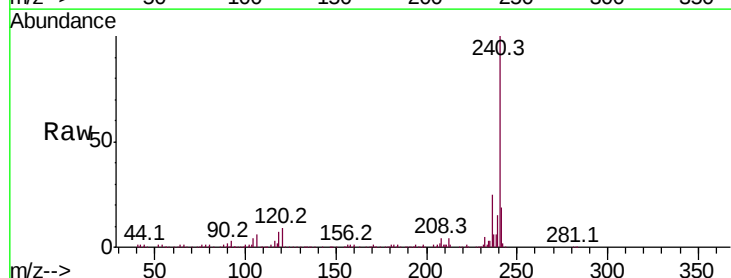


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

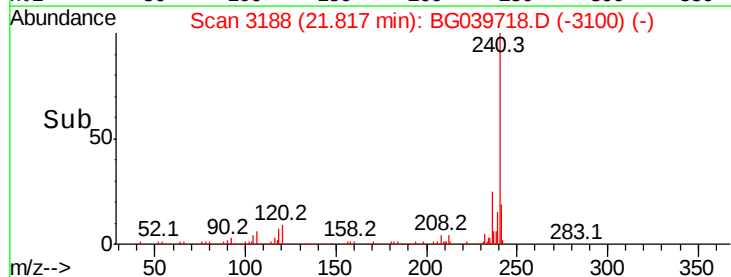
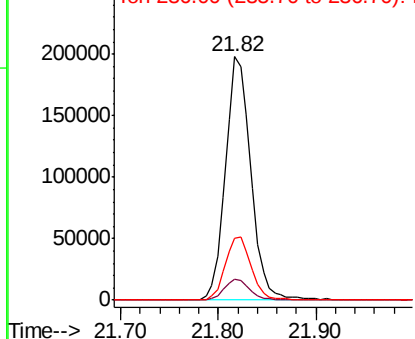


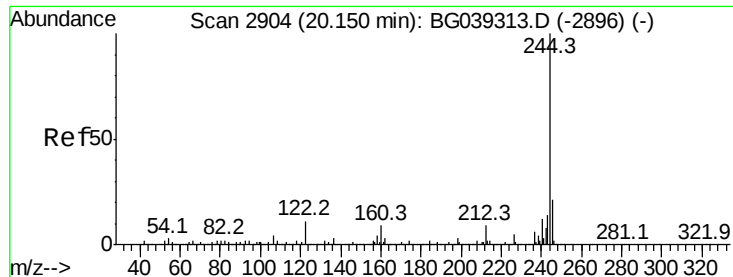
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG039718.D
 Acq: 2 Mar 2019 11:22

Tgt Ion:240 Resp: 357285
 Ion Ratio Lower Upper
 240 100
 120 8.6 7.0 10.6
 236 25.2 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: 79.935 ng

RT: 20.12 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

Instrument :

BNA_G

ClientSampleId :

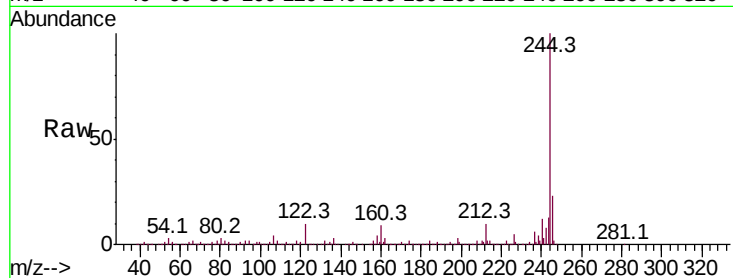
Tot Ion:244 Resp: 1349253

Ion Ratio Lower Upper

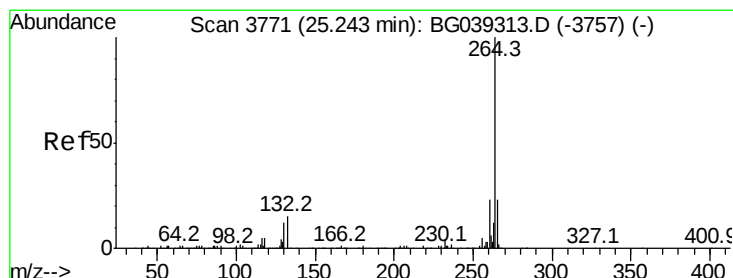
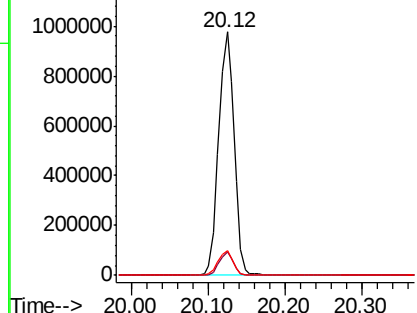
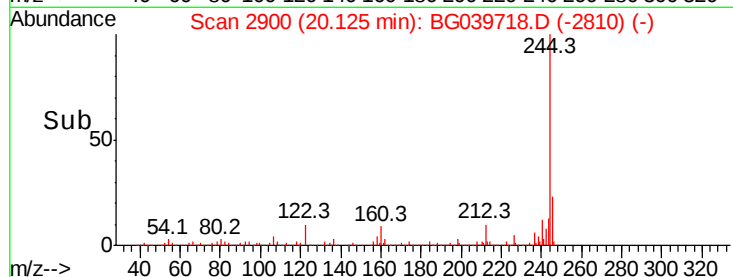
244 100

212 9.6 7.3 10.9

122 10.0 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# 3764

Delta R.T. 0.00 min

Lab File: BG039718.D

Acq: 2 Mar 2019 11:22

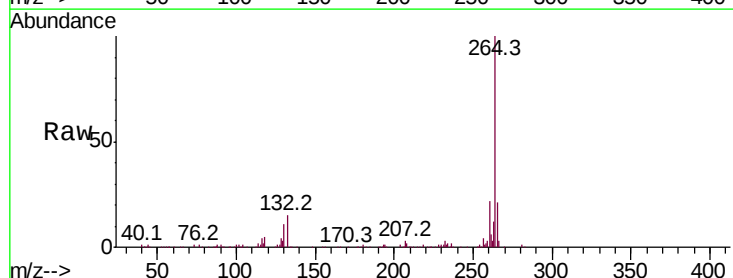
Tgt Ion:264 Resp: 331192

Ion Ratio Lower Upper

264 100

260 22.2 18.2 27.4

265 20.9 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

