

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030119\
 Data File : BG039717.D
 Acq On : 2 Mar 2019 10:43
 Operator : JU/SJ
 Sample : K1675-32
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 03 23:48:52 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

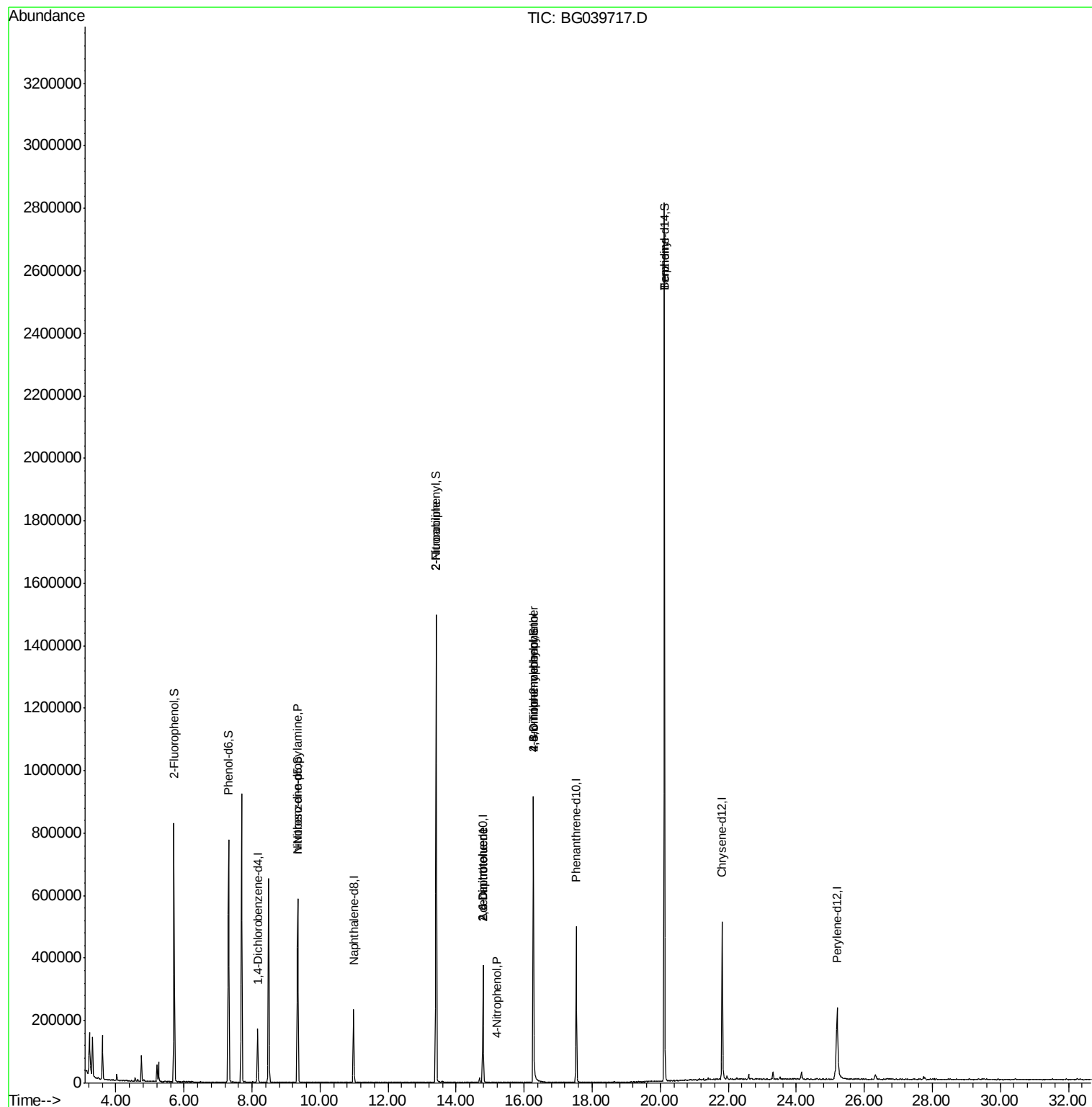
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	48828	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	205133	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	131101	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	309565	20.00	ng	0.00
76) Chrysene-d12	21.82	240	328822	20.00	ng	0.00
87) Perylene-d12	25.20	264	311946	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	355433	124.59	ng	0.00
7) Phenol-d6	7.31	99	448586	106.82	ng	0.00
23) Nitrobenzene-d5	9.34	82	347363	105.79	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	172177	121.96	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	807577	88.37	ng	0.00
79) Terphenyl-d14	20.12	244	1300201	83.70	ng	0.00
Target Compounds						
9) Benzaldehyde	7.30	77	779	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	46706	15.670	ng	# 4
48) 2-Nitroaniline	13.41	65	1760	8.914	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	16612	13.807	ng	# 23
56) 4-Nitrophenol	15.19	139	74	5.830	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	16612	13.310	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.26	198	701	4.901	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	13780	4.012	ng	# 1
77) Benzidine	20.12	184	22678	2.104	ng	# 94

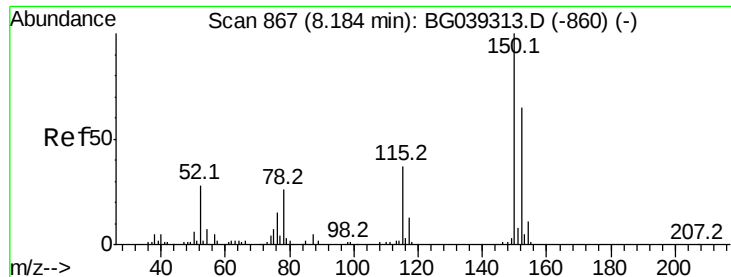
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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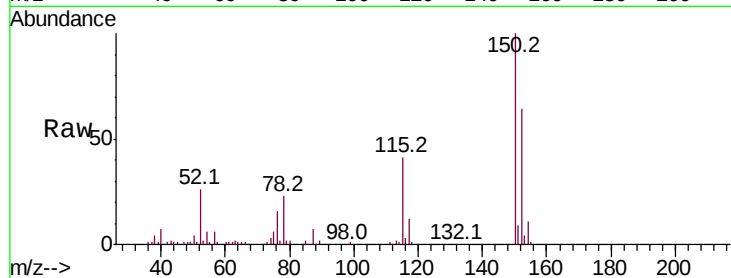


#1

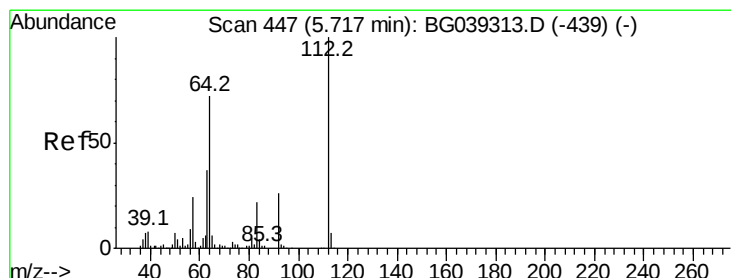
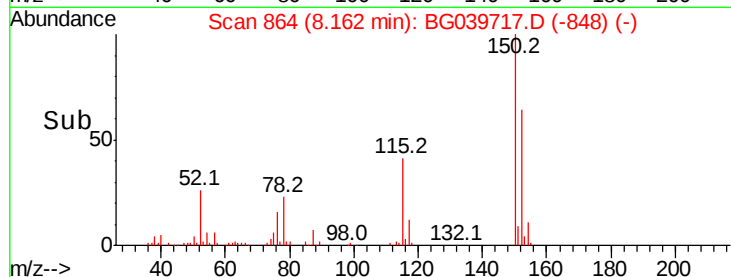
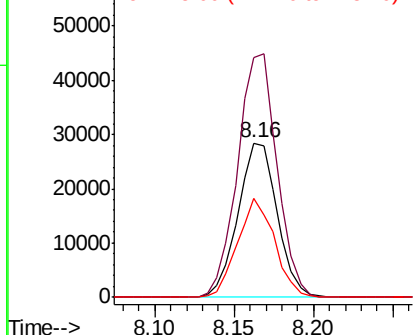
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.01 min
Lab File: BG039717.D
Acq: 2 Mar 2019 10:43

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 48828
Ion Ratio Lower Upper
152 100
150 155.3 123.7 185.5
115 63.7 45.9 68.9



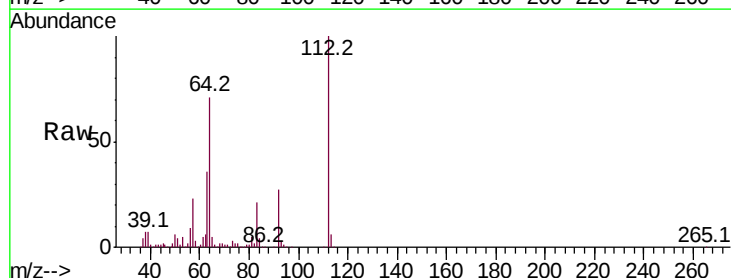
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



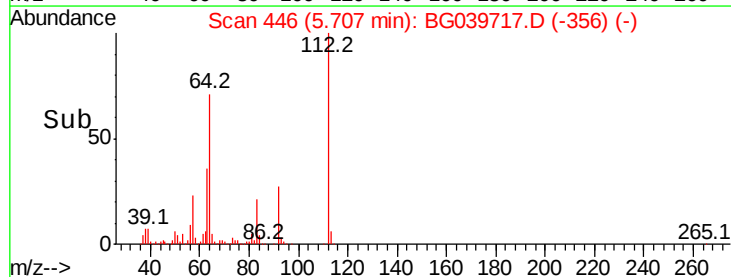
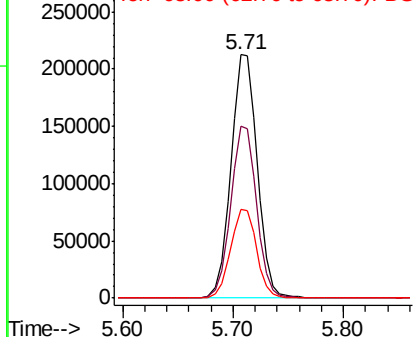
#5

2-Fluorophenol
Concen: 124.586 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.00 min
Lab File: BG039717.D
Acq: 2 Mar 2019 10:43

Tgt Ion:112 Resp: 355433
Ion Ratio Lower Upper
112 100
64 70.6 57.8 86.8
63 36.3 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.821 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.00 min

Lab File: BG039717.D

Acq: 2 Mar 2019 10:43

Instrument :

BNA_G

ClientSampleId :

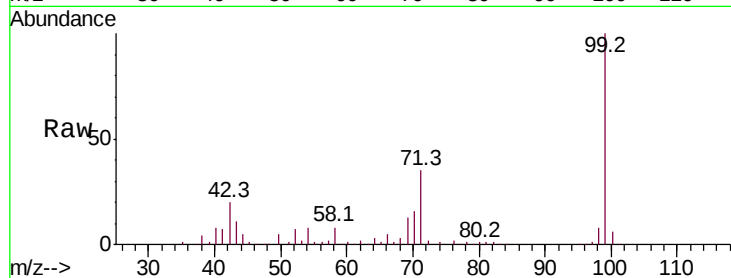
Tot Ion: 99 Resp: 448586

Ion Ratio Lower Upper

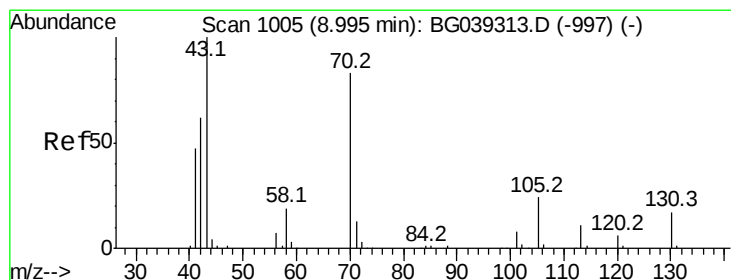
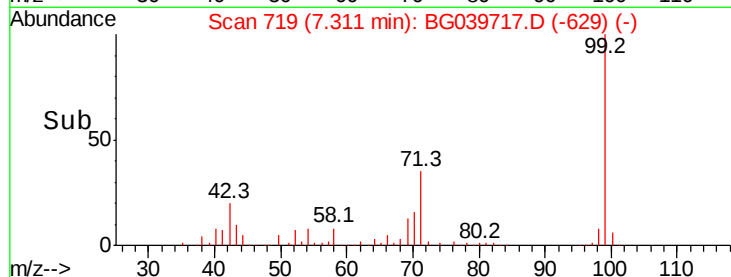
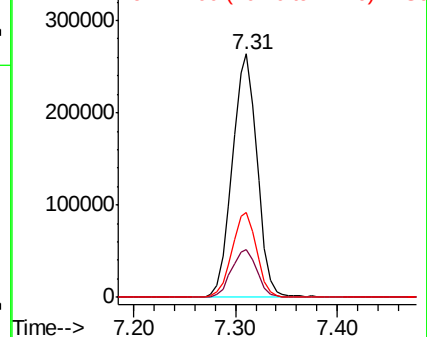
99 100

42 19.5 18.2 27.2

71 34.7 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: 15.670 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.37 min

Lab File: BG039717.D

Acq: 2 Mar 2019 10:43

Tgt Ion: 70 Resp: 46706

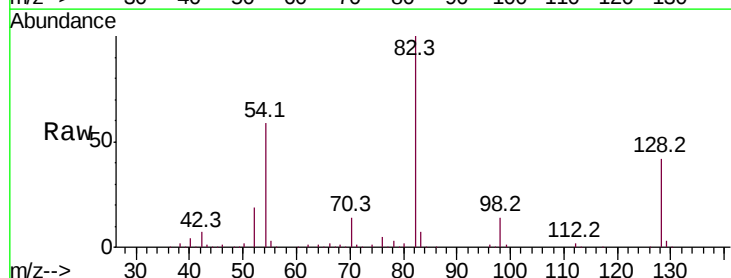
Ion Ratio Lower Upper

70 100

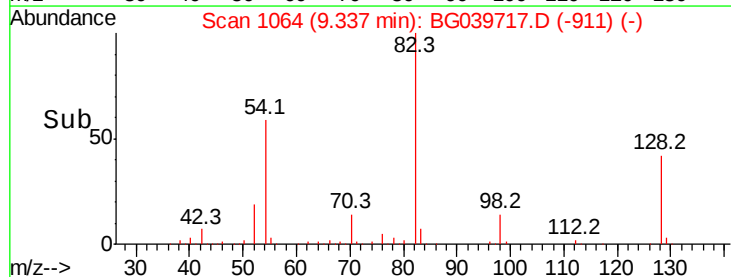
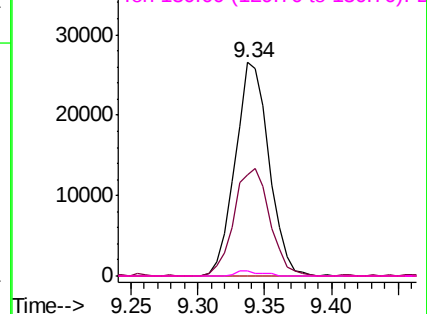
42 47.5 60.4 90.6#

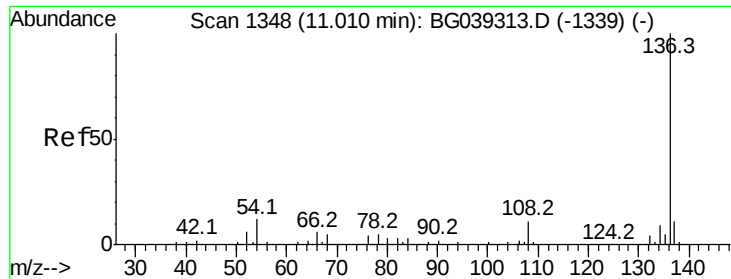
101 0.0 7.5 11.3#

130 2.7 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

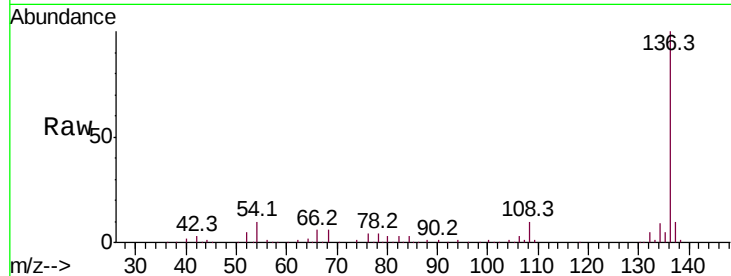




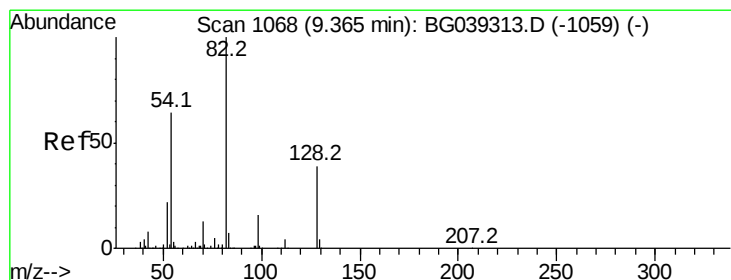
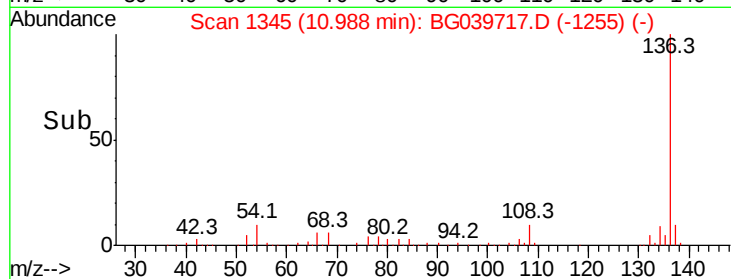
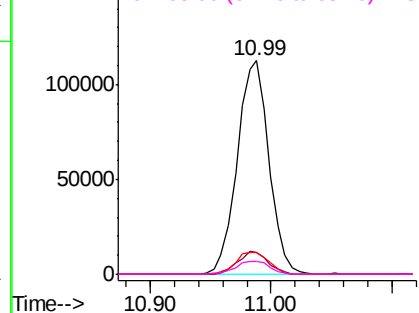
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG039717.D
Acq: 2 Mar 2019 10:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	205133
Ion	Ratio	Lower Upper
136	100	
137	10.2	9.1 13.7
54	10.3	9.4 14.2
68	5.9	4.2 6.4

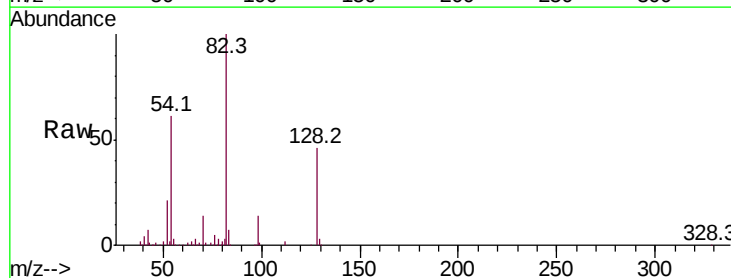


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

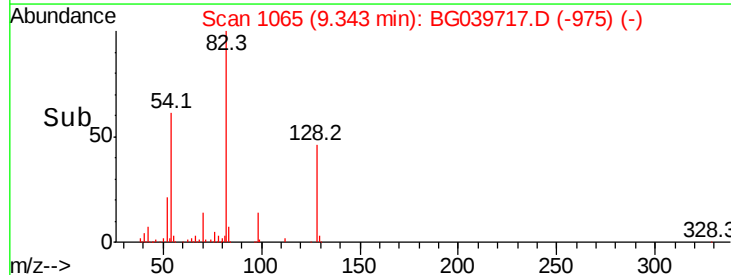
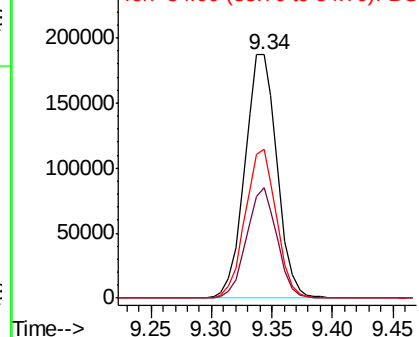


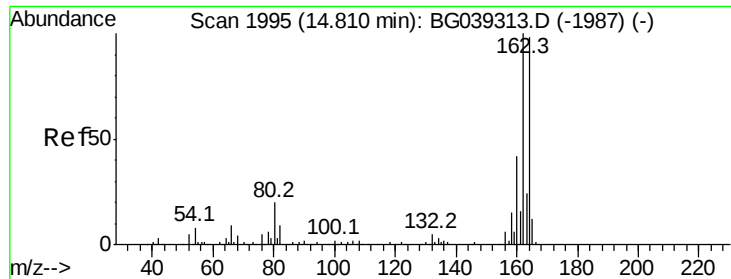
#23
Nitrobenzene-d5
Concen: 105.787 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG039717.D
Acq: 2 Mar 2019 10:43

Tgt Ion: 82	Resp:	347363
Ion	Ratio	Lower Upper
82	100	
128	45.5	31.3 46.9
54	61.1	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

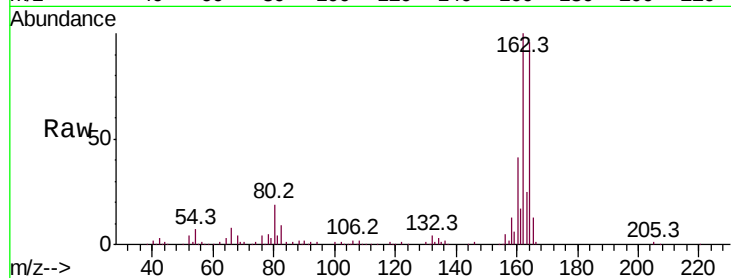




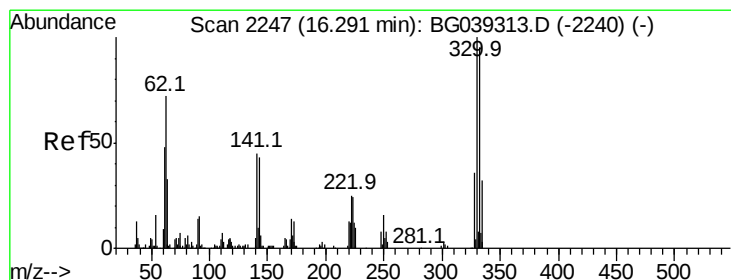
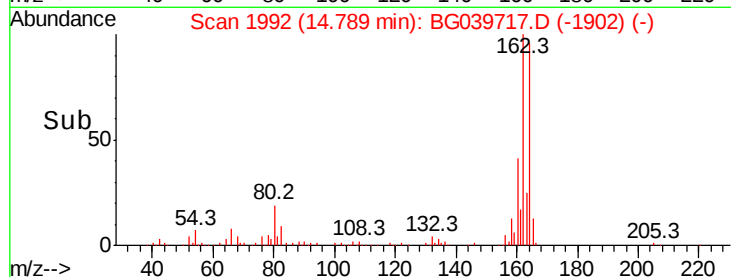
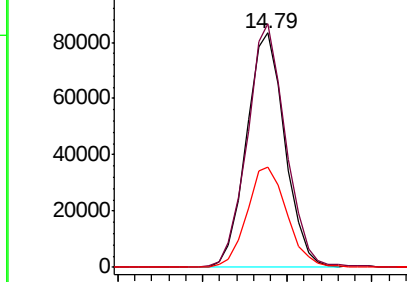
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BG039717.D
Acq: 2 Mar 2019 10:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 131101
Ion Ratio Lower Upper
164 100
162 104.0 81.6 122.4
160 43.1 34.2 51.2

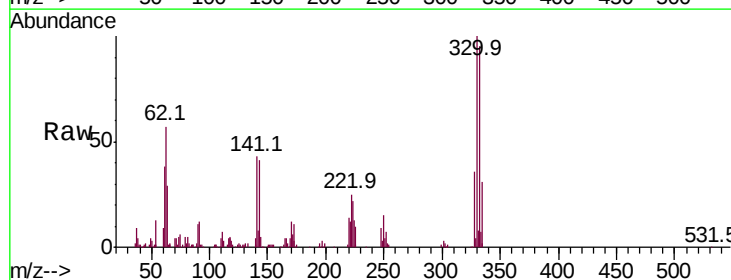


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

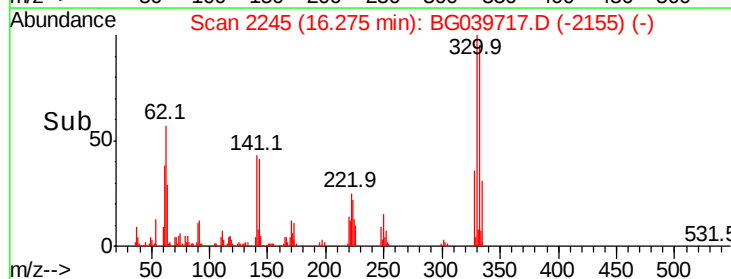
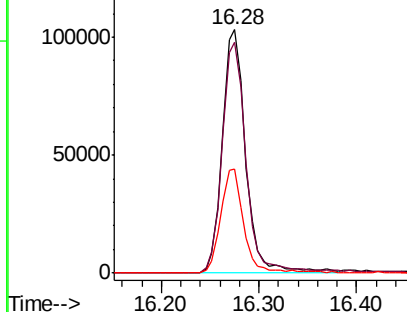


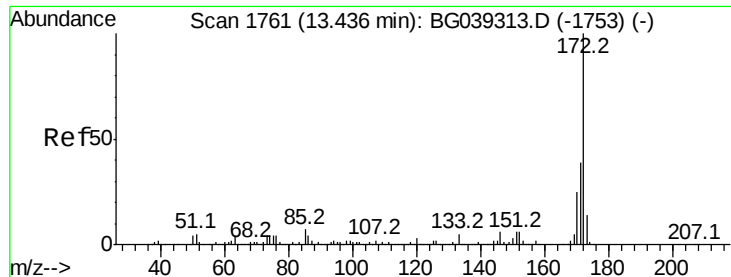
#42
2,4,6-Tribromophenol
Concen: 121.961 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BG039717.D
Acq: 2 Mar 2019 10:43

Tgt Ion:330 Resp: 172177
Ion Ratio Lower Upper
330 100
332 96.1 75.7 113.5
141 41.6 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

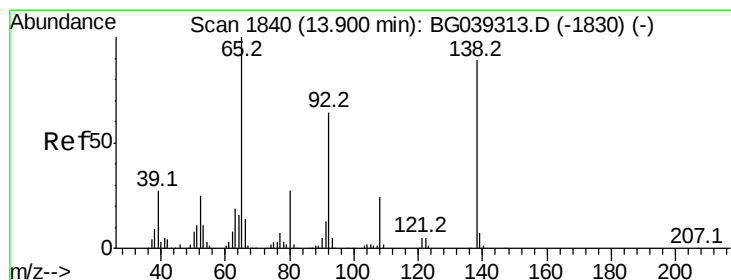
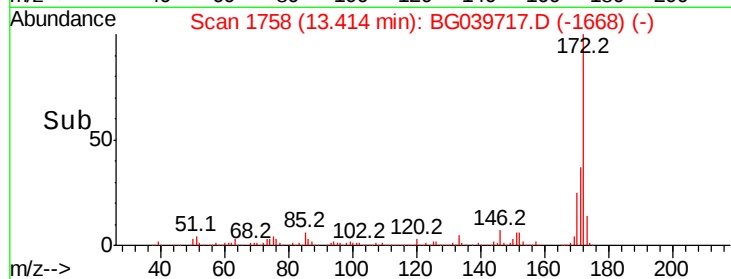
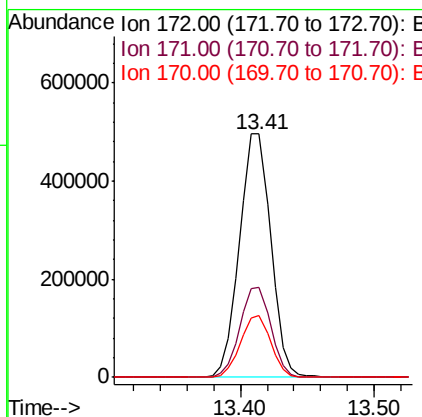
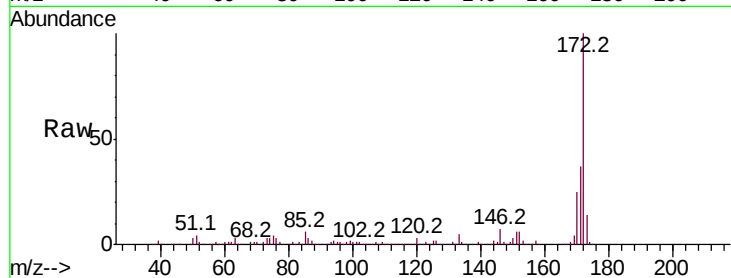




#45
2-Fluorobiphenyl
Concen: 88.368 ng
RT: 13.41 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BG039717.D
Acq: 2 Mar 2019 10:43

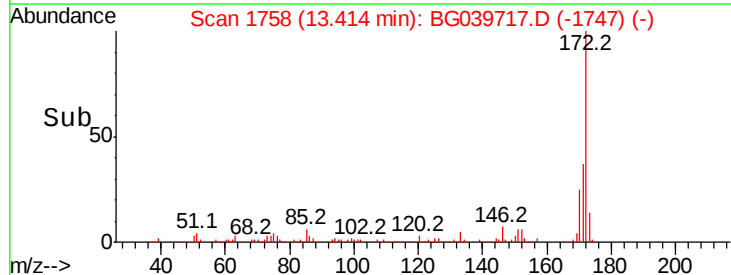
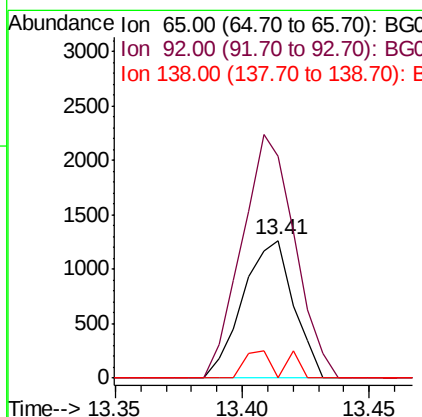
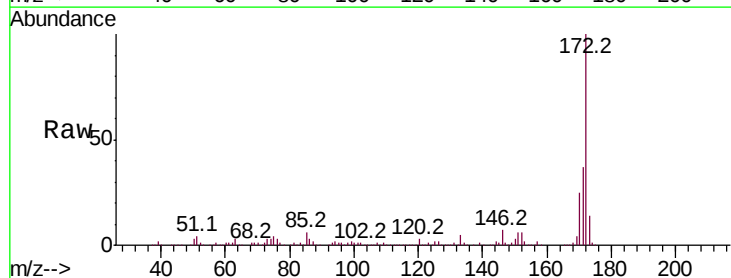
Instrument :
BNA_G
ClientSampleId :

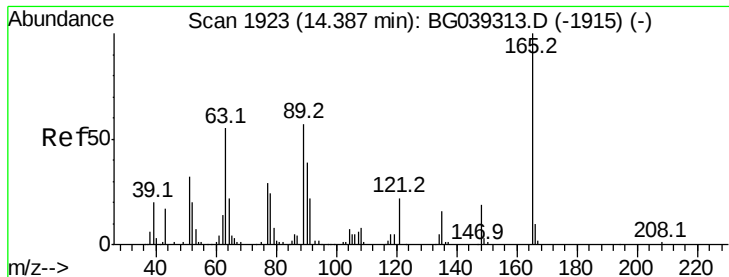
Tot Ion:172 Resp: 807577
Ion Ratio Lower Upper
172 100
171 36.9 30.8 46.2
170 25.2 20.2 30.4



#48
2-Nitroaniline
Concen: 8.914 ng
RT: 13.41 min Scan# 1758
Delta R.T. -0.47 min
Lab File: BG039717.D
Acq: 2 Mar 2019 10:43

Tgt Ion: 65 Resp: 1760
Ion Ratio Lower Upper
65 100
92 160.6 51.4 77.2#
138 0.0 71.4 107.2#

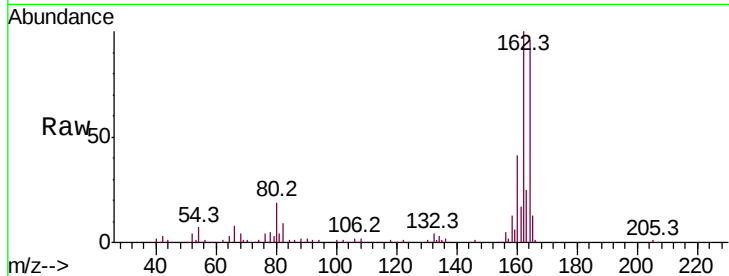




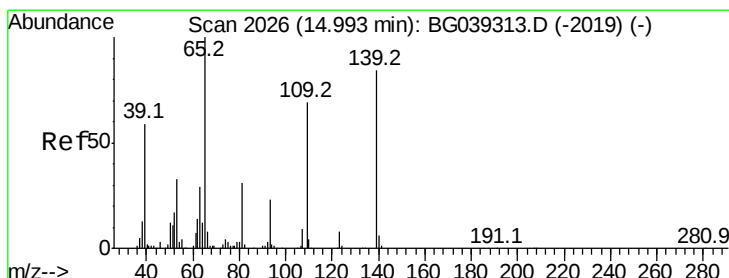
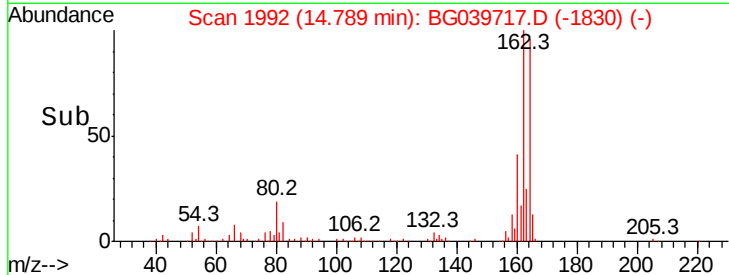
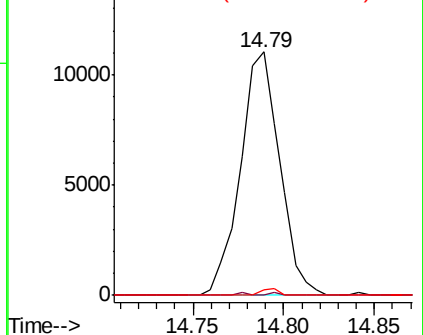
#51
 2,6-Dinitrotoluene
 Concen: 13.807 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.42 min
 Lab File: BG039717.D
 Acq: 2 Mar 2019 10:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 16612
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 2.2 45.8 68.8#

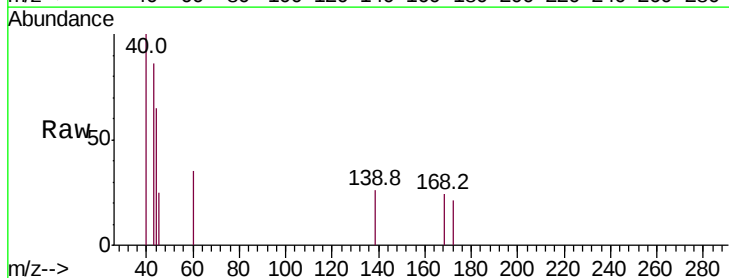


Abundance Ion 165.00 (164.70 to 165.70): E
 15000 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

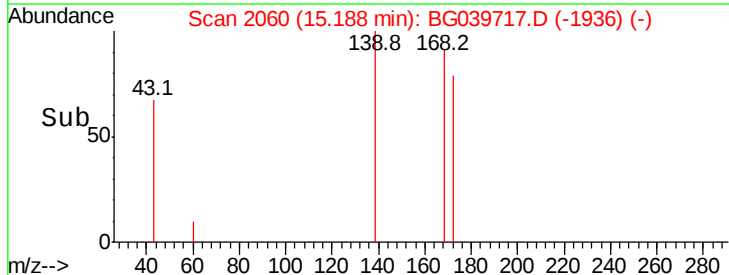
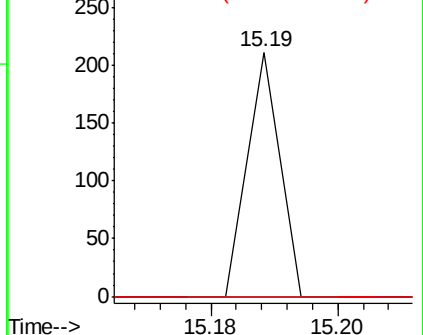


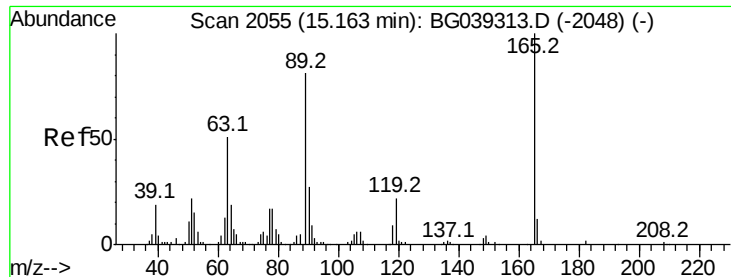
#56
 4-Nitrophenol
 Concen: 5.830 ng
 RT: 15.19 min Scan# 2060
 Delta R.T. 0.20 min
 Lab File: BG039717.D
 Acq: 2 Mar 2019 10:43

Tgt Ion:139 Resp: 74
 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

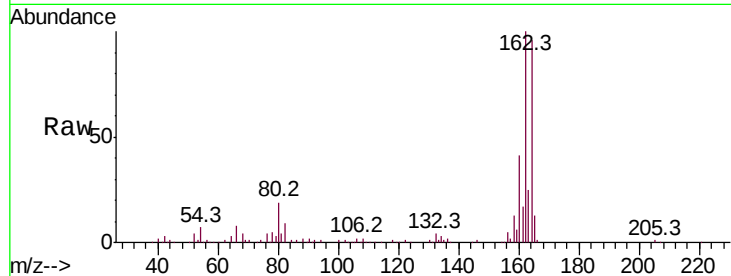




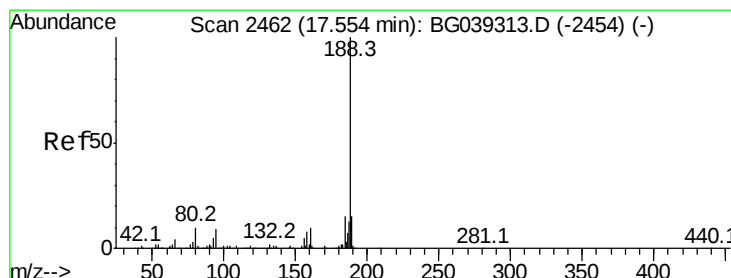
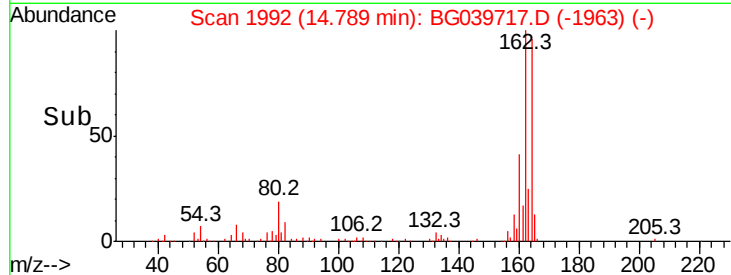
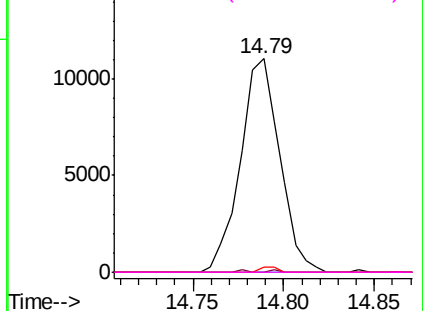
#57
 2,4-Dinitrotoluene
 Concen: 13.310 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.36 min
 Lab File: BG039717.D
 Acq: 2 Mar 2019 10:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 16612
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.0 61.6#
 89 2.2 64.6 96.8#
 182 0.0 2.0 3.0#

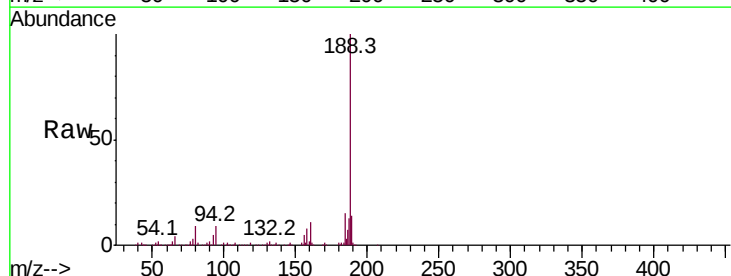


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

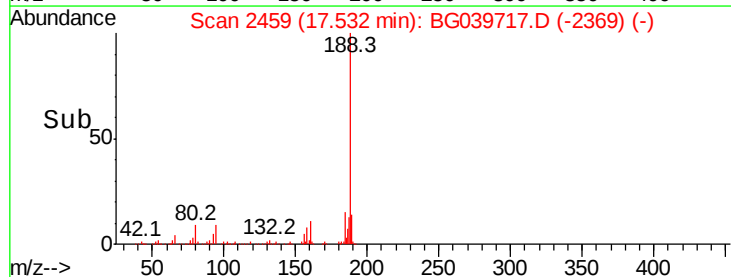
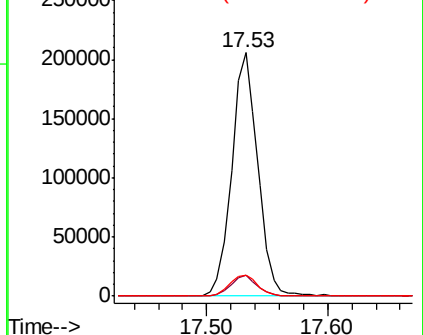


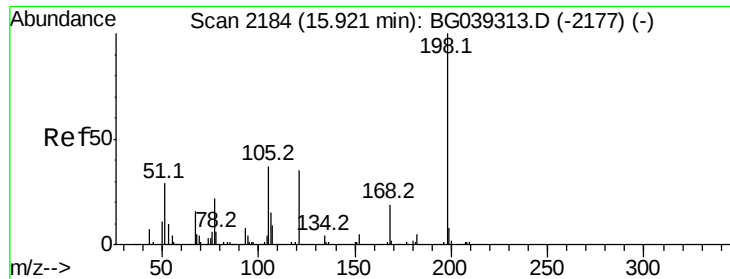
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BG039717.D
 Acq: 2 Mar 2019 10:43

Tgt Ion:188 Resp: 309565
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.9 10.3
 80 8.6 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: 4.901 ng

RT: 16.26 min Scan# 2243

Delta R.T. 0.36 min

Lab File: BG039717.D

Acq: 2 Mar 2019 10:43

Instrument :

BNA_G

ClientSampleId :

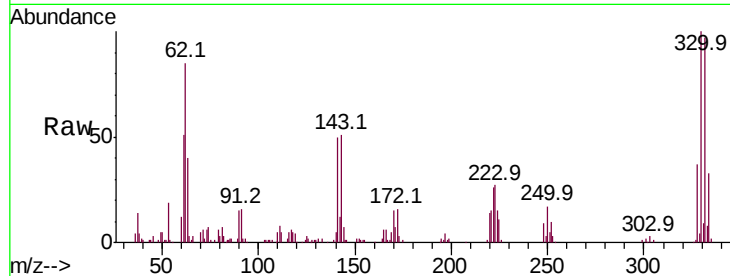
Tot Ion:198 Resp: 701

Ion Ratio Lower Upper

198 100

51 141.3 27.4 67.4#

105 153.1 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

800

600

400

200

0

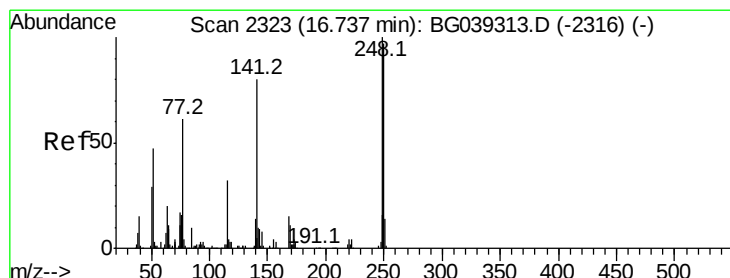
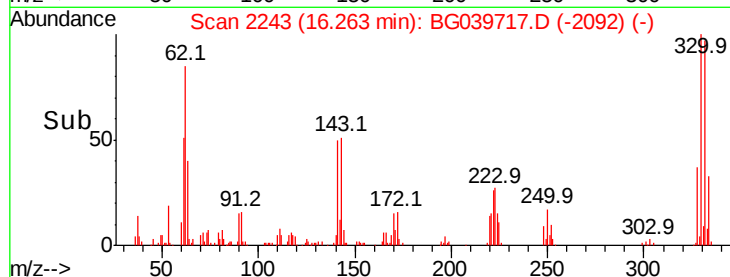
16.25

16.26

16.30

16.35

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.012 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.44 min

Lab File: BG039717.D

Acq: 2 Mar 2019 10:43

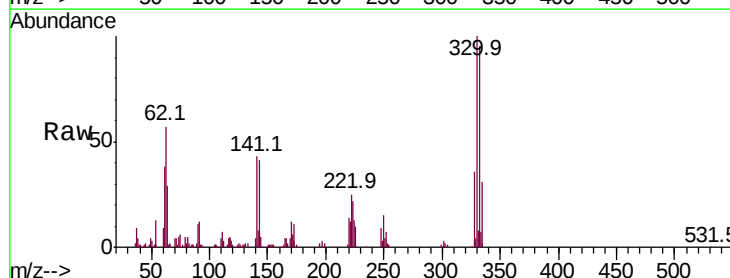
Tgt Ion:248 Resp: 13780

Ion Ratio Lower Upper

248 100

250 179.7 77.6 116.4#

141 497.8 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

60000

50000

40000

30000

20000

10000

0

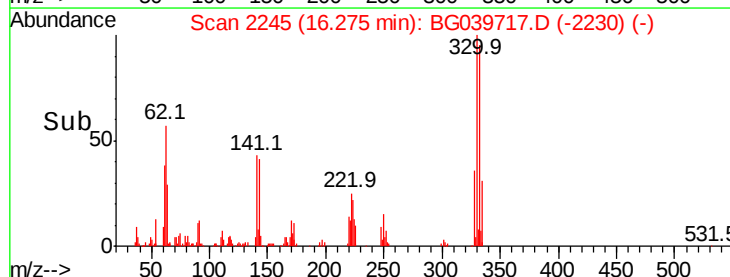
16.20

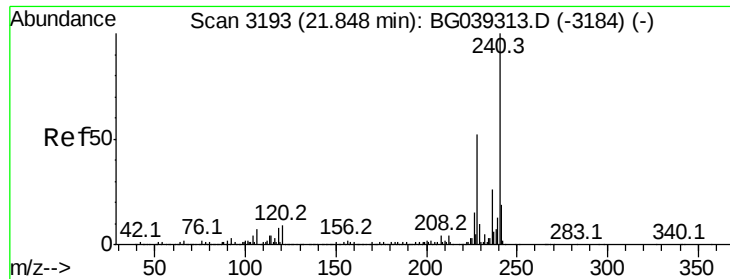
16.25

16.30

16.35

Time-->

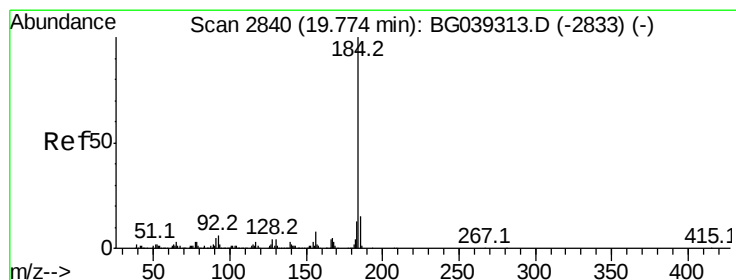
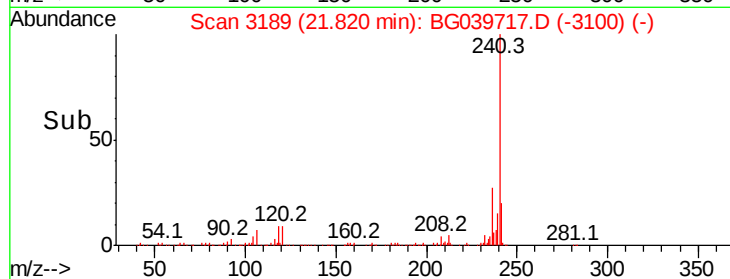
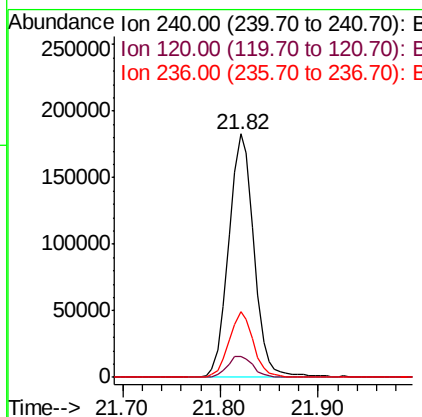
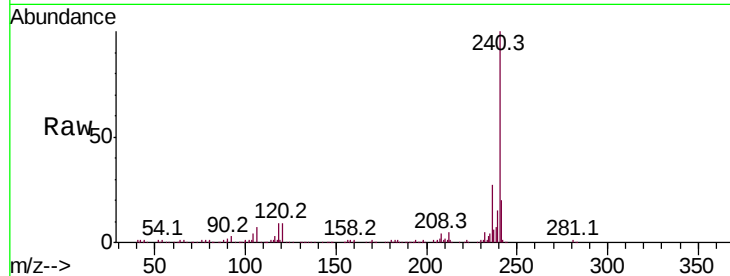




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.01 min
 Lab File: BG039717.D
 Acq: 2 Mar 2019 10:43

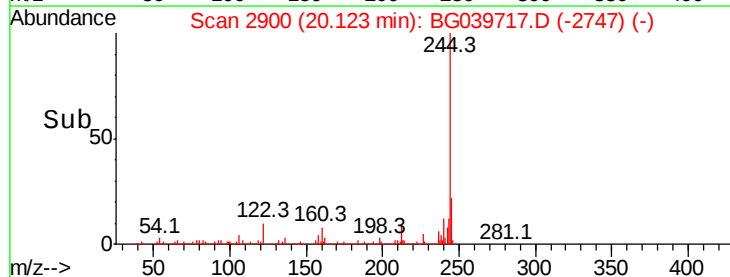
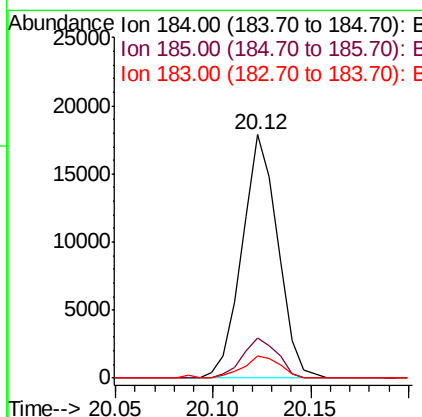
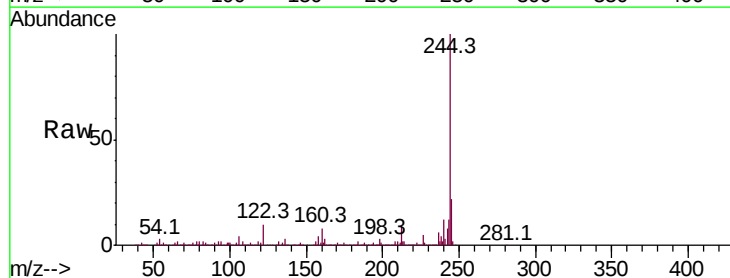
Instrument :
 BNA_G
 ClientSampled :

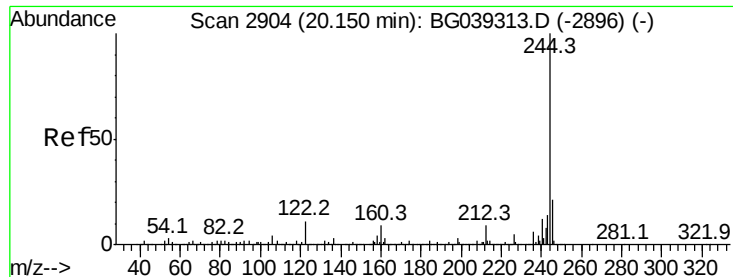
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.0	10.6
236	26.8	21.0	31.4



#77
 Benzidine
 Concen: 2.104 ng
 RT: 20.12 min Scan# 2900
 Delta R.T. 0.37 min
 Lab File: BG039717.D
 Acq: 2 Mar 2019 10:43

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.2	12.2	18.2
183	9.2	10.6	15.8#





#79

Terphenyl-d14

Concen: 83.696 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039717.D

Acq: 2 Mar 2019 10:43

Instrument :

BNA_G

ClientSampleId :

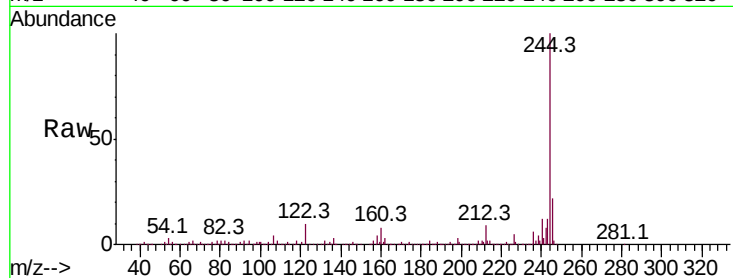
Tot Ion:244 Resp: 1300201

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

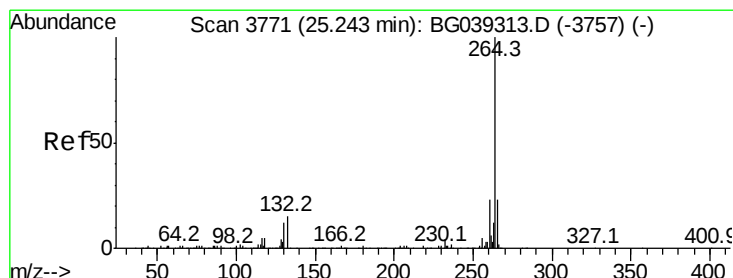
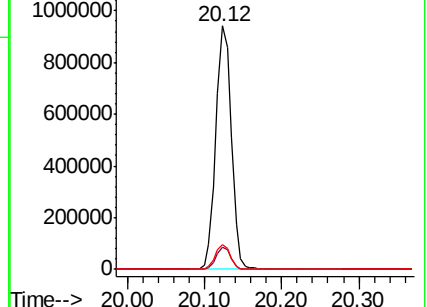
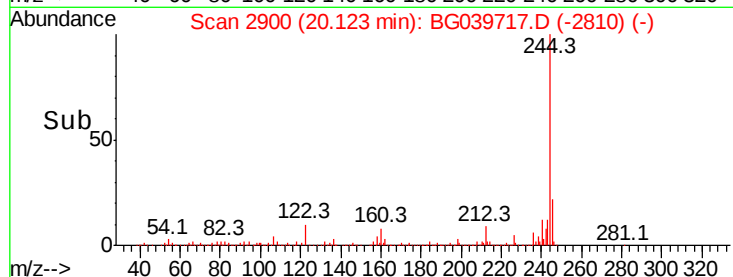
122 10.1 8.4 12.6



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: BG039717.D

Acq: 2 Mar 2019 10:43

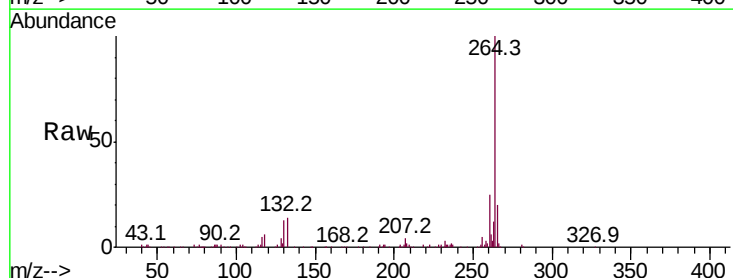
Tgt Ion:264 Resp: 311946

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.4

265 20.3 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

