

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
 Data File : BG039207.D
 Acq On : 18 Jan 2019 6:25
 Operator : JU/SJ
 Sample : K1157-25
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-06-011519

Quant Time: Jan 18 07:55:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

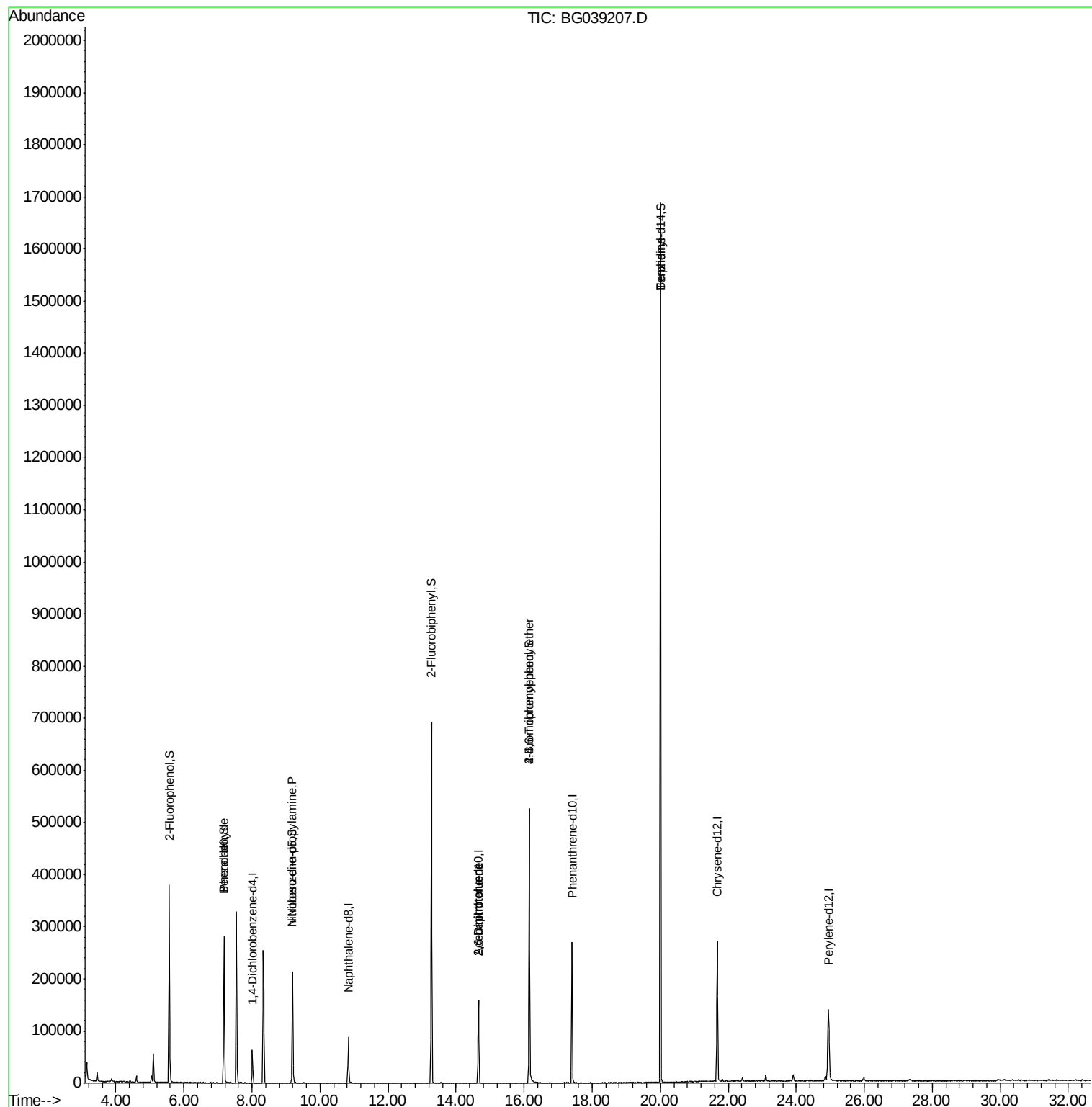
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	19364	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	82524	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	57394	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	180109	20.00	ng	0.00
76) Chrysene-d12	21.68	240	181996	20.00	ng	0.00
87) Perylene-d12	24.94	264	192734	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	172505	168.99	ng	0.00
7) Phenol-d6	7.18	99	166802	113.55	ng	0.00
23) Nitrobenzene-d5	9.19	82	124203	82.36	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	118441	123.11	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	384285	91.63	ng	0.00
79) Terphenyl-d14	20.01	244	854932	86.90	ng	0.00
Target Compounds						
9) Benzaldehyde	7.17	77	3527	4.163	ng	# 72
19) n-Nitroso-di-n-propylamine	9.19	70	16757	17.371	ng	# 68
51) 2,6-Dinitrotoluene	14.66	165	7417	6.840	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	7417	4.768	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	7629	3.295	ng	# 1
77) Benzidine	20.01	184	14350	2.578	ng	# 93

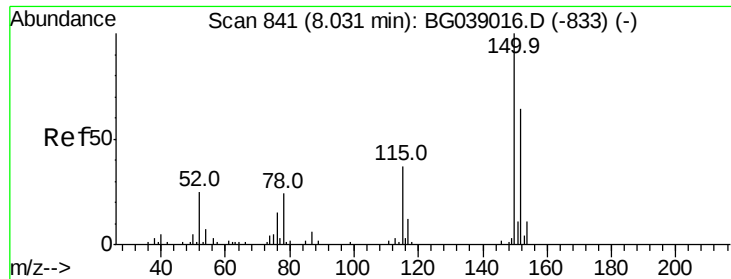
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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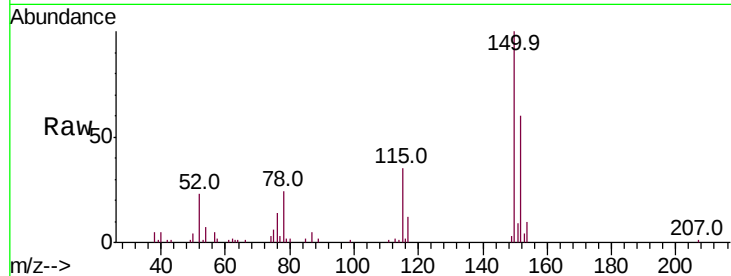


#1

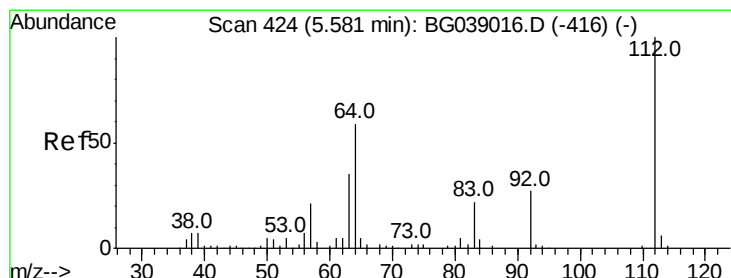
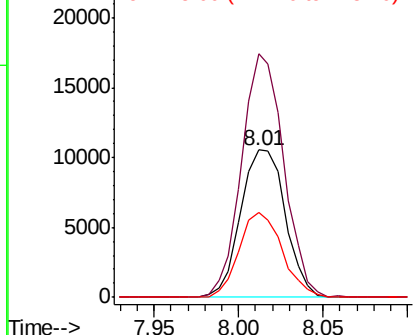
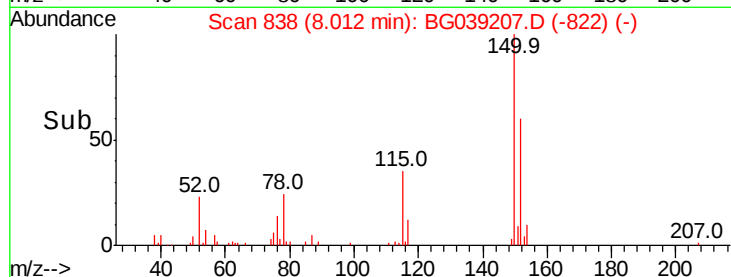
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039207.D
Acq: 18 Jan 2019 6:25

Instrument :
BNA_G
ClientSampleId :
WC-06-011519

Tot Ion:152 Resp: 19364
Ion Ratio Lower Upper
152 100
150 165.6 124.7 187.1
115 58.2 46.5 69.7



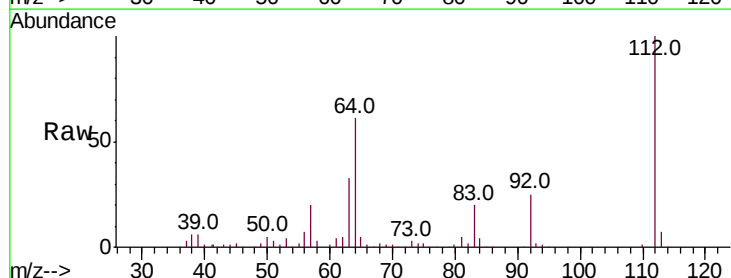
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



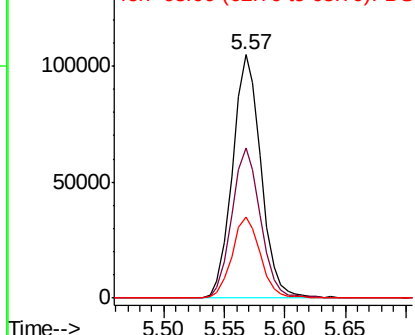
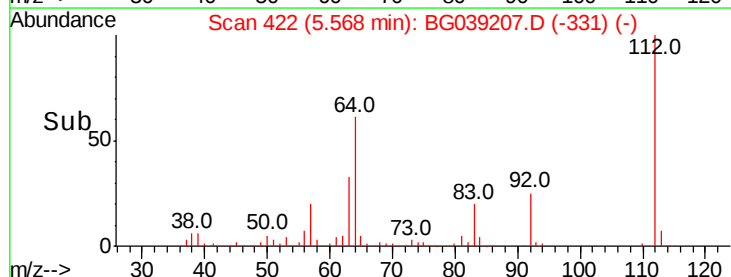
#5

2-Fluorophenol
Concen: 168.993 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG039207.D
Acq: 18 Jan 2019 6:25

Tgt Ion:112 Resp: 172505
Ion Ratio Lower Upper
112 100
64 61.5 47.0 70.6
63 33.2 28.0 42.0



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: 113.545 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039207.D

Acq: 18 Jan 2019 6:25

Instrument :

BNA_G

ClientSampleId :

WC-06-011519

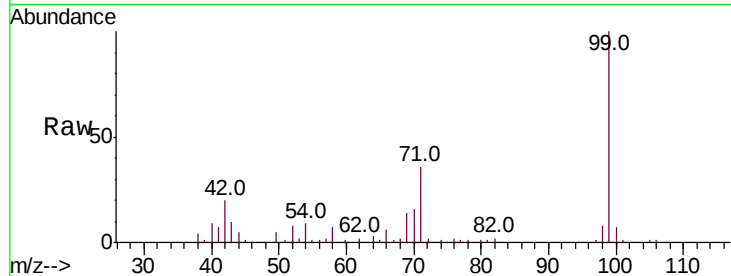
Tot Ion: 99 Resp: 166802

Ion Ratio Lower Upper

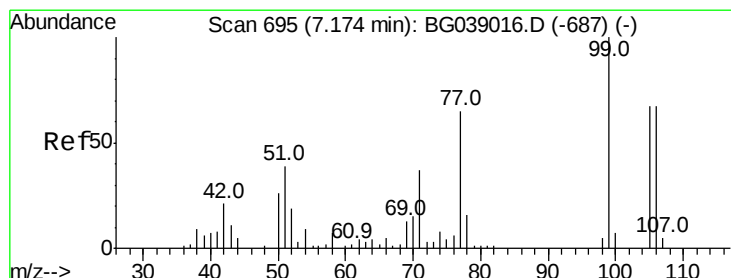
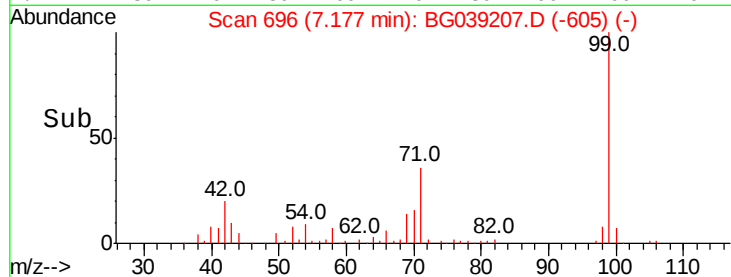
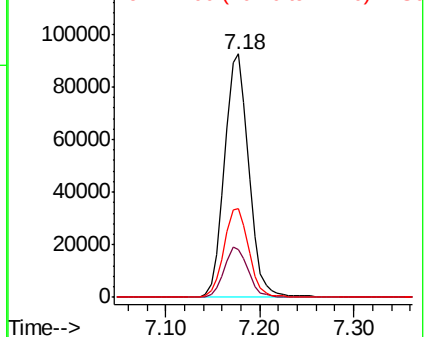
99 100

42 19.8 15.8 23.6

71 36.3 30.2 45.4



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



#9

Benzaldehyde

Concen: 4.163 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG039207.D

Acq: 18 Jan 2019 6:25

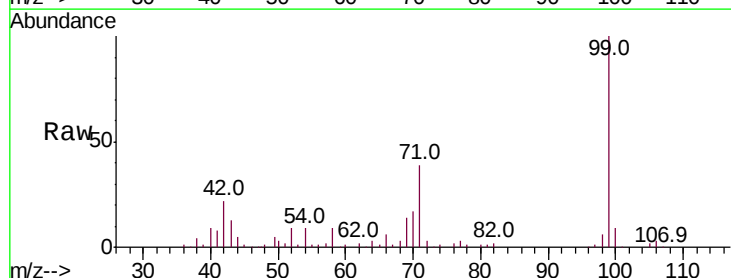
Tgt Ion: 77 Resp: 3527

Ion Ratio Lower Upper

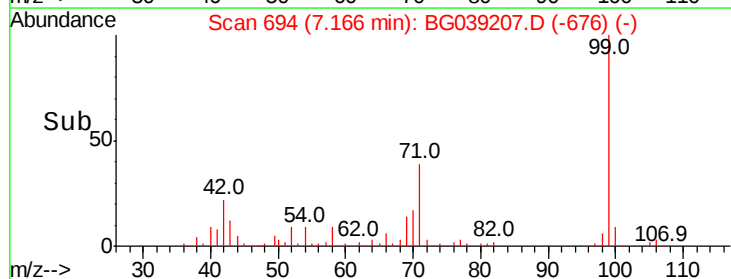
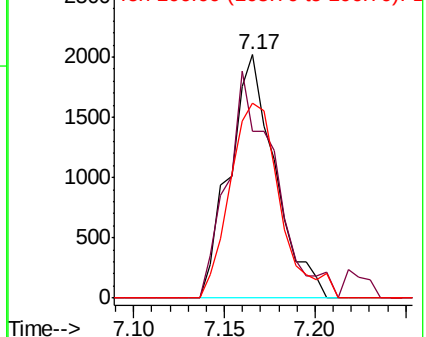
77 100

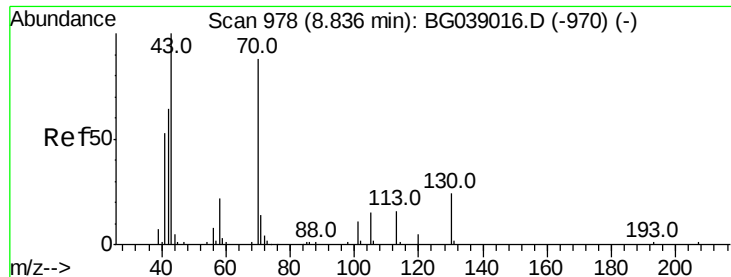
105 68.3 82.4 122.4#

106 80.1 82.8 122.8#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

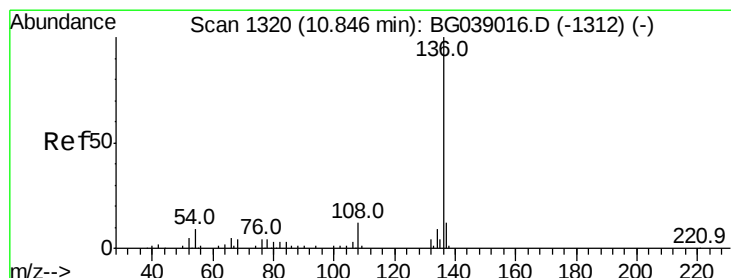
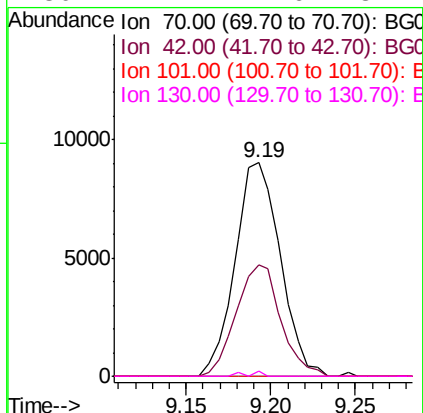
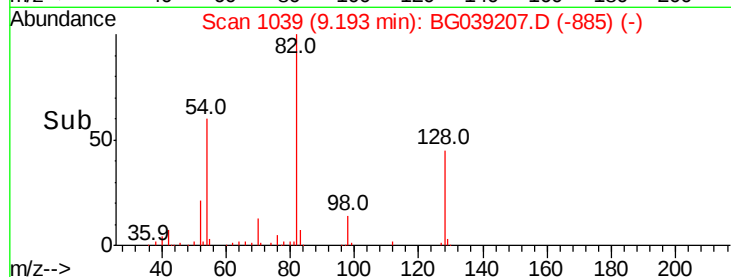
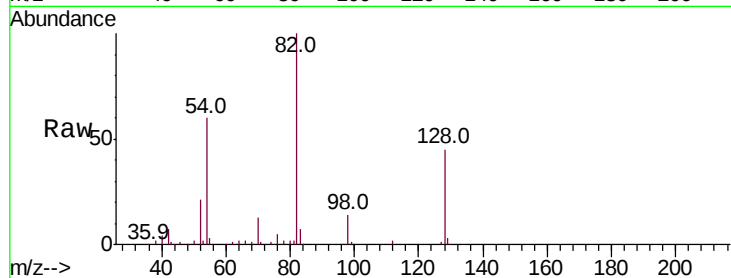




#19
n-Nitroso-di-n-propylamine
Concen: 17.371 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.37 min
Lab File: BG039207.D
Acq: 18 Jan 2019 6:25

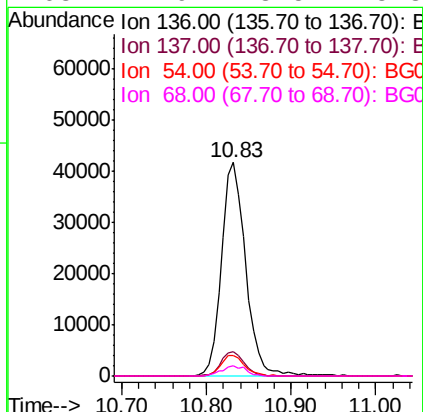
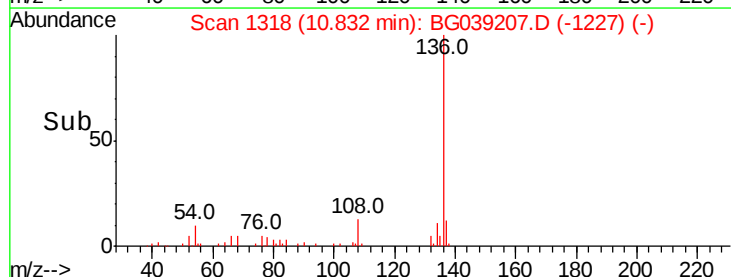
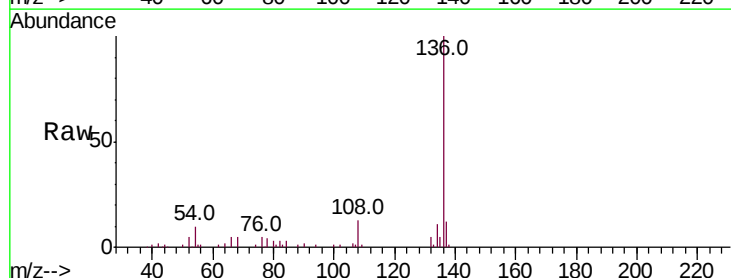
Instrument :
BNA_G
ClientSampleId :
WC-06-011519

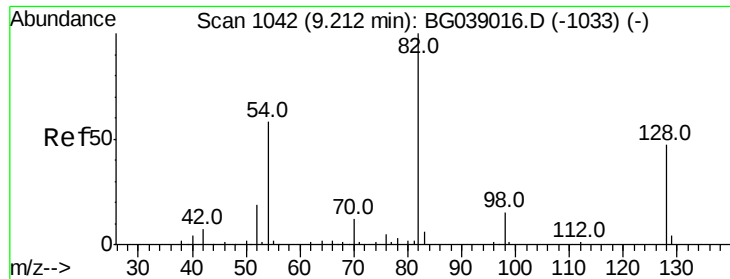
Tot Ion: 70 Resp: 16757
Ion Ratio Lower Upper
70 100
42 52.2 59.0 88.4#
101 0.0 10.4 15.6#
130 2.2 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG039207.D
Acq: 18 Jan 2019 6:25

Tgt Ion: 136 Resp: 82524
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.2
54 9.5 7.2 10.8
68 4.9 3.5 5.3

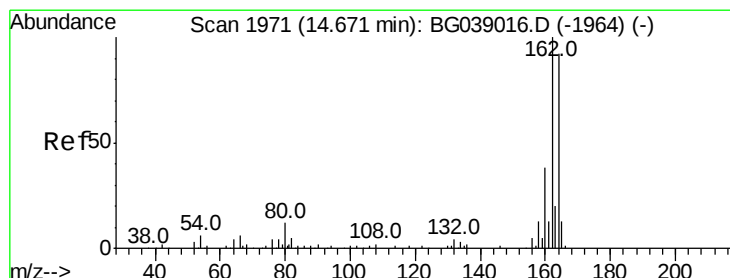
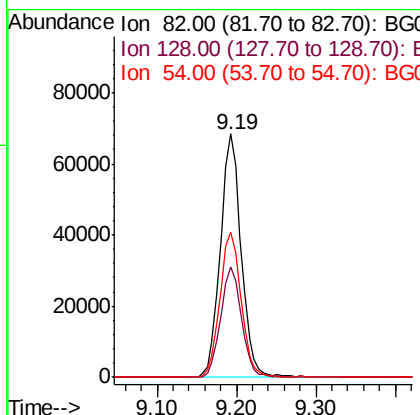
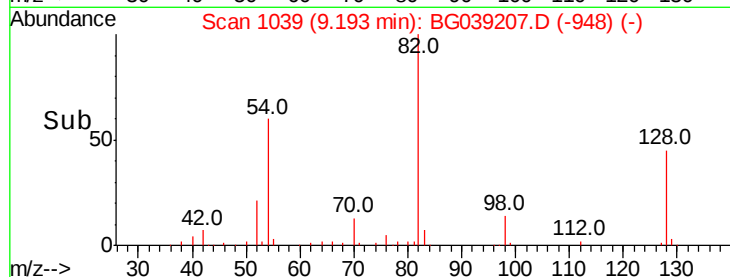
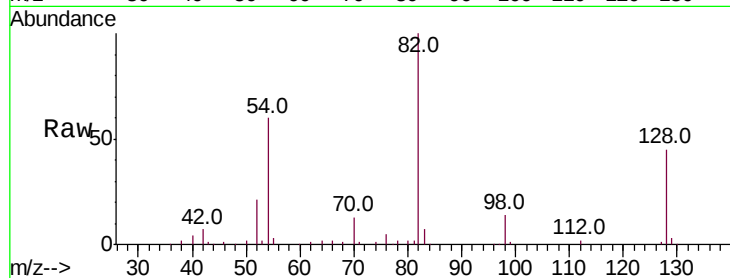




#23
Nitrobenzene-d5
Concen: 82.356 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BG039207.D
Acq: 18 Jan 2019 6:25

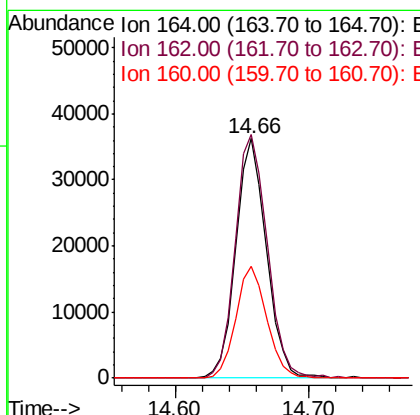
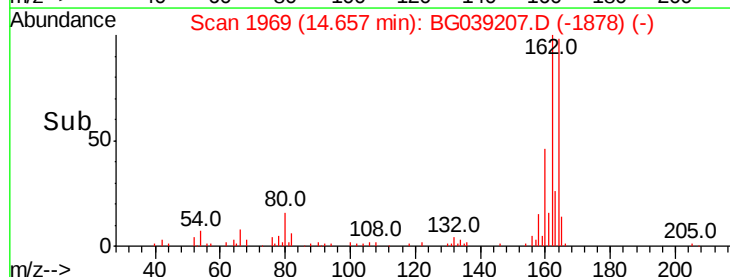
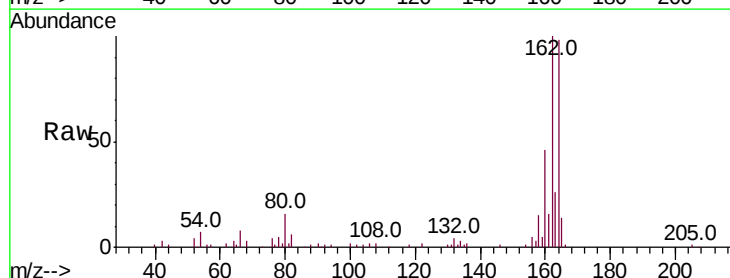
Instrument :
BNA_G
ClientSampleId :
WC-06-011519

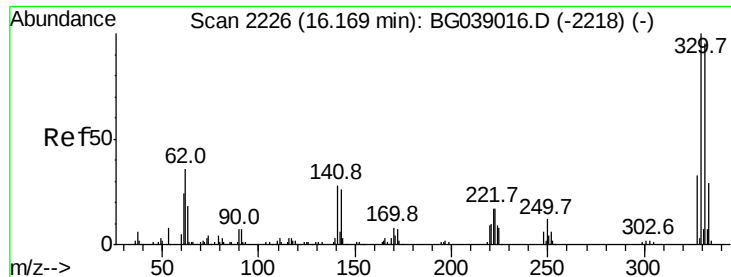
Tot Ion: 82 Resp: 124203
Ion Ratio Lower Upper
82 100
128 45.2 37.3 55.9
54 59.5 46.4 69.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BG039207.D
Acq: 18 Jan 2019 6:25

Tgt Ion:164 Resp: 57394
Ion Ratio Lower Upper
164 100
162 101.7 87.2 130.8
160 46.7 33.3 49.9

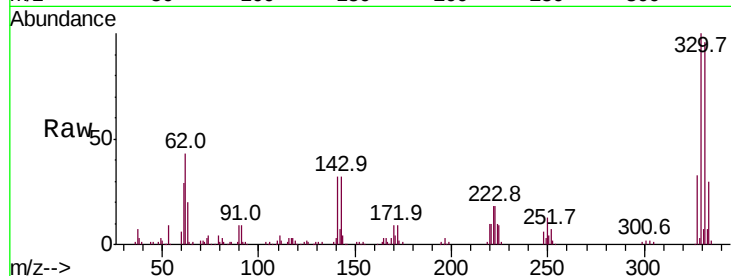




#42
 2,4,6-Tribromophenol
 Concen: 123.109 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BG039207.D
 Acq: 18 Jan 2019 6:25

Instrument :
 BNA_G
 ClientSampleId :
 WC-06-011519

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.7	113.5
141	33.2	24.9	37.3

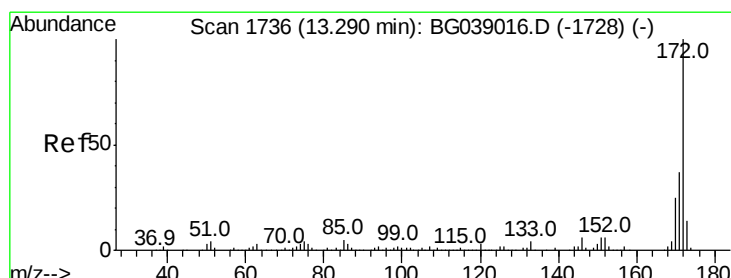
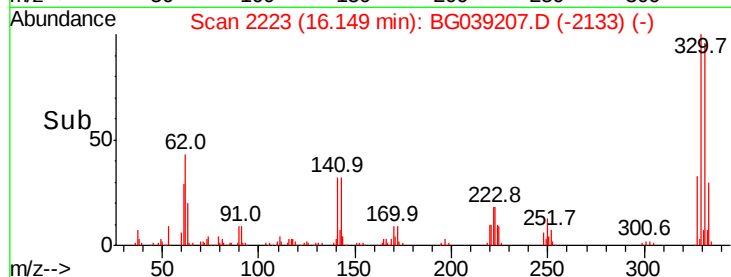
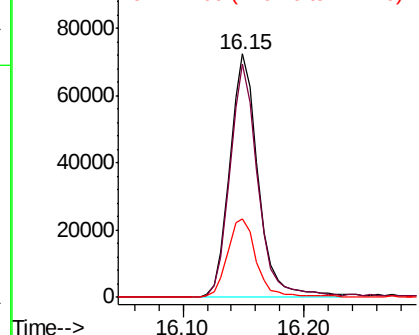


Abundance

Ion 329.80 (329.50 to 330.50): E

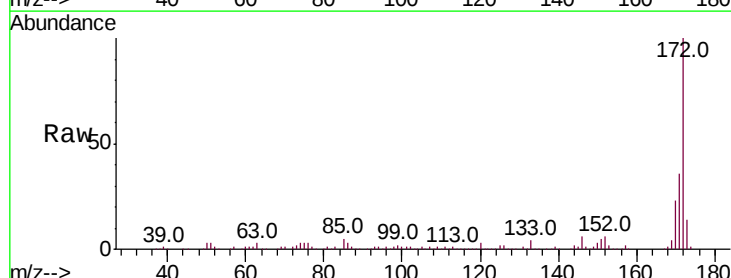
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.633 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. 0.00 min
 Lab File: BG039207.D
 Acq: 18 Jan 2019 6:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	23.1	20.1	30.1

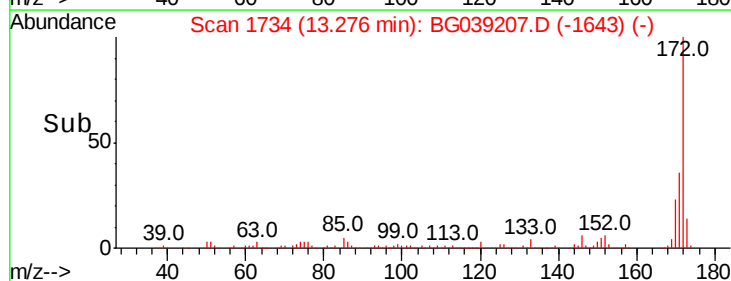
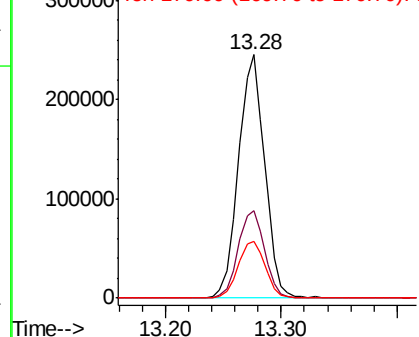


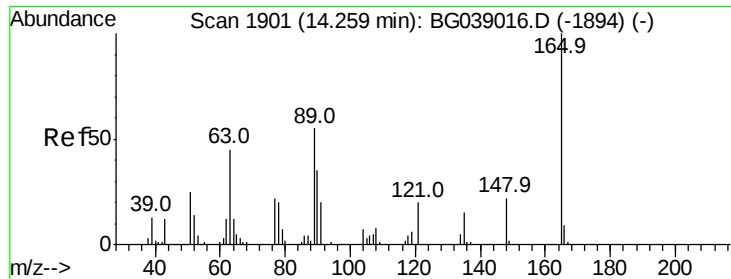
Abundance

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

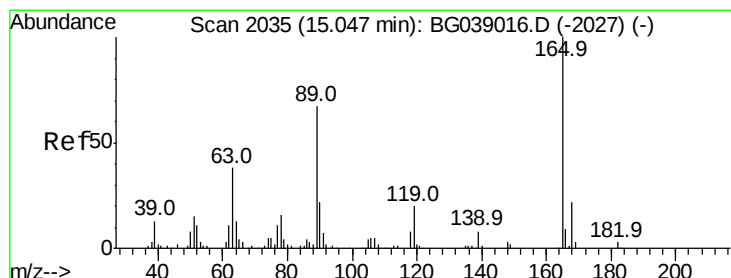
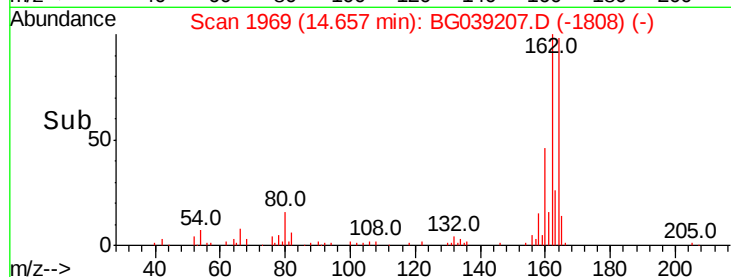
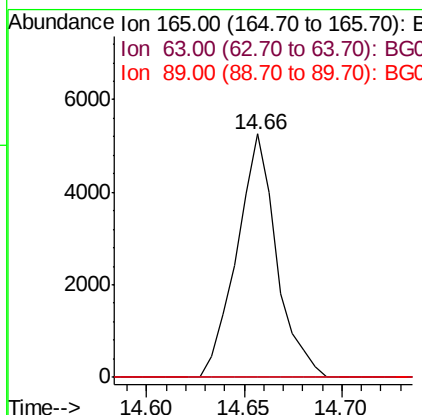
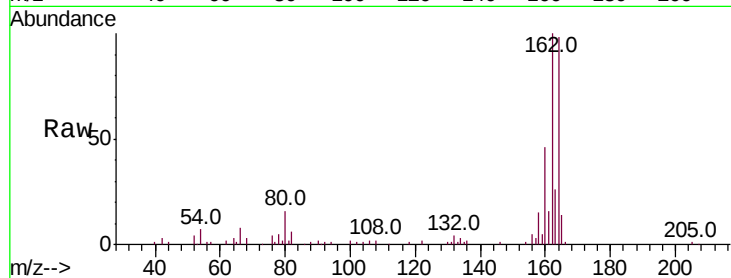




#51
 2,6-Dinitrotoluene
 Concen: 6.840 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.41 min
 Lab File: BG039207.D
 Acq: 18 Jan 2019 6:25

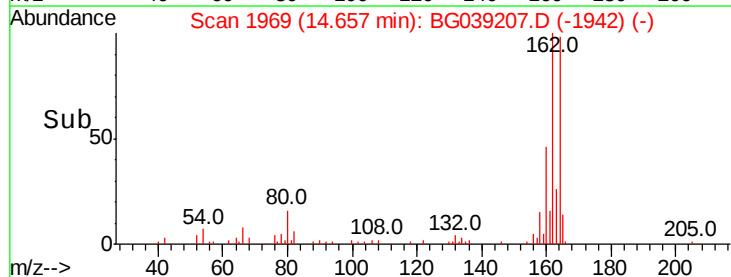
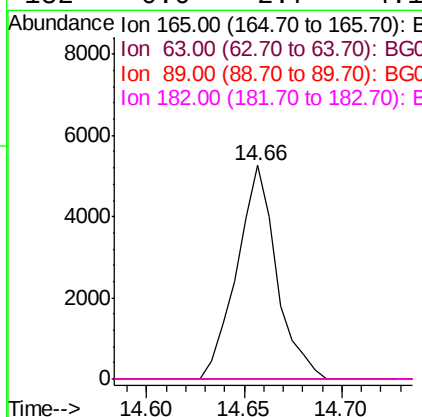
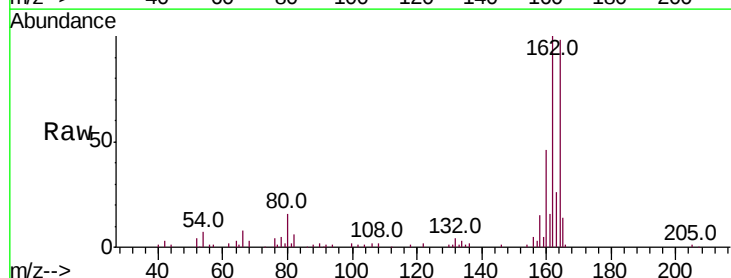
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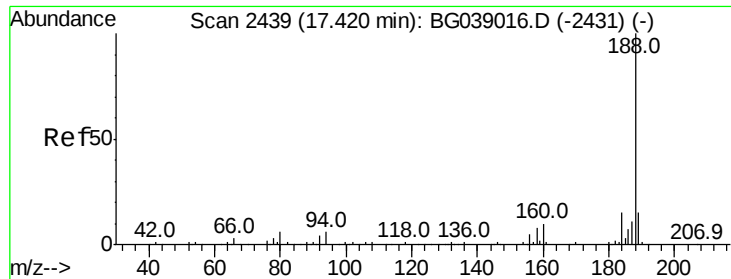
Tot Ion:165 Resp: 7417
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#



#57
 2,4-Dinitrotoluene
 Concen: 4.768 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG039207.D
 Acq: 18 Jan 2019 6:25

Tgt Ion:165 Resp: 7417
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.2 45.4#
 89 0.0 53.2 79.8#
 182 0.0 2.7 4.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG039207.D

Acq: 18 Jan 2019 6:25

Instrument :

BNA_G

ClientSampleId :

WC-06-011519

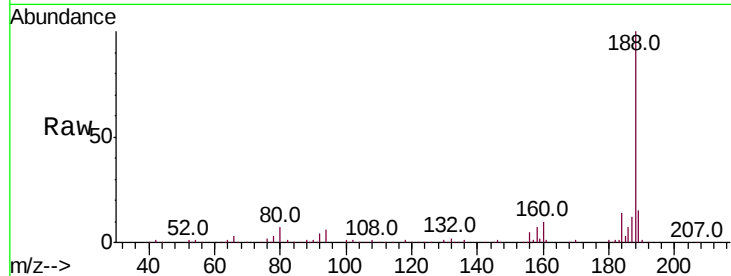
Tot Ion:188 Resp: 180109

Ion Ratio Lower Upper

188 100

94 5.9 5.0 7.4

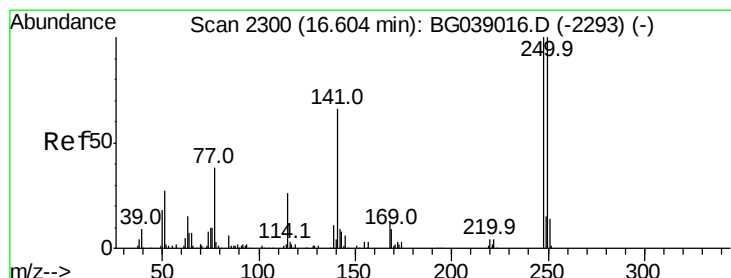
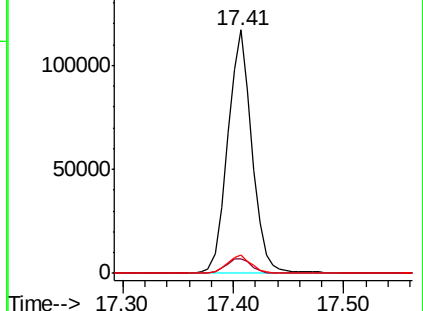
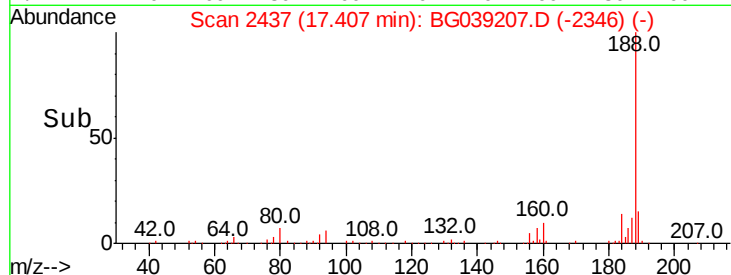
80 7.3 4.7 7.1#



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



#67

4-Bromophenyl-phenylether

Concen: 3.295 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG039207.D

Acq: 18 Jan 2019 6:25

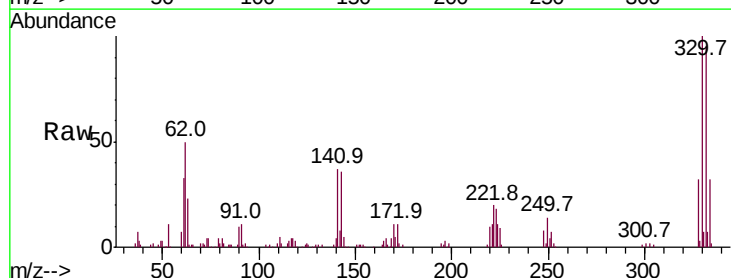
Tgt Ion:248 Resp: 7629

Ion Ratio Lower Upper

248 100

250 179.9 79.9 119.9#

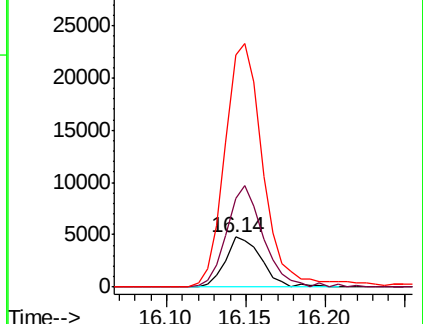
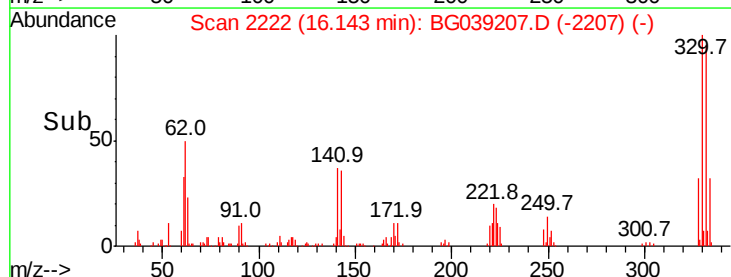
141 364.9 52.7 79.1#

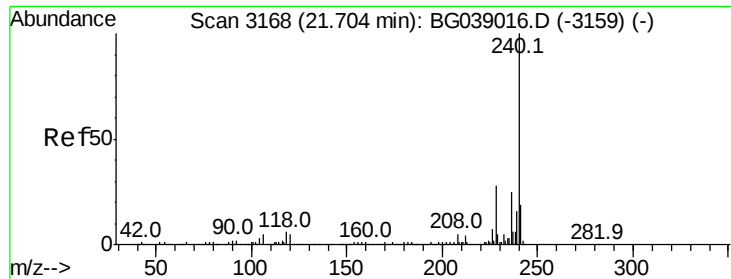


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG039207.D

Acq: 18 Jan 2019 6:25

Instrument :

BNA_G

ClientSampleId :

WC-06-011519

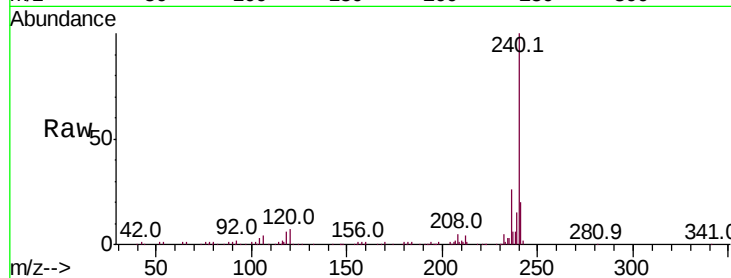
Tot Ion:240 Resp: 181996

Ion Ratio Lower Upper

240 100

120 6.6 4.3 6.5#

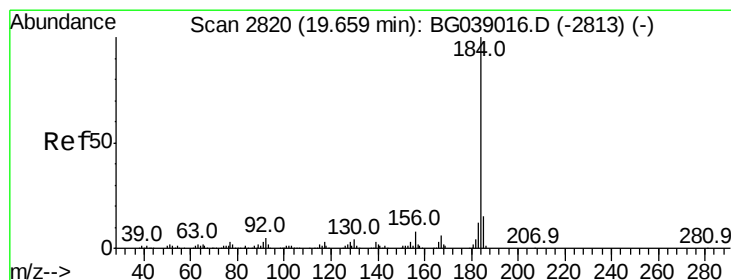
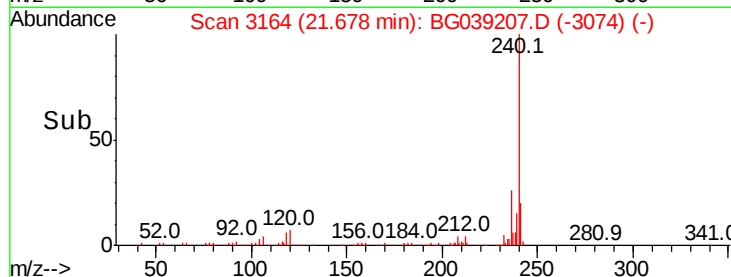
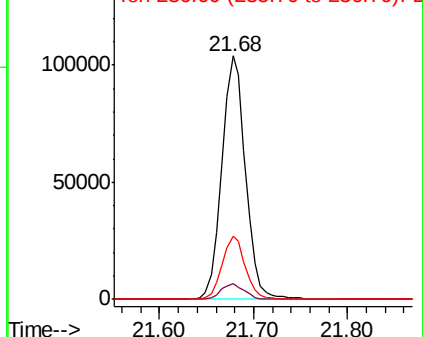
236 26.0 20.1 30.1



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: 2.578 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.37 min

Lab File: BG039207.D

Acq: 18 Jan 2019 6:25

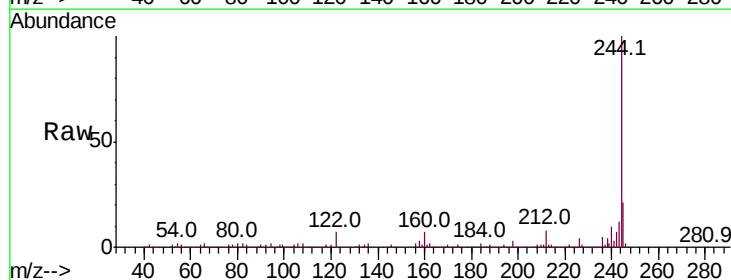
Tgt Ion:184 Resp: 14350

Ion Ratio Lower Upper

184 100

185 17.2 12.1 18.1

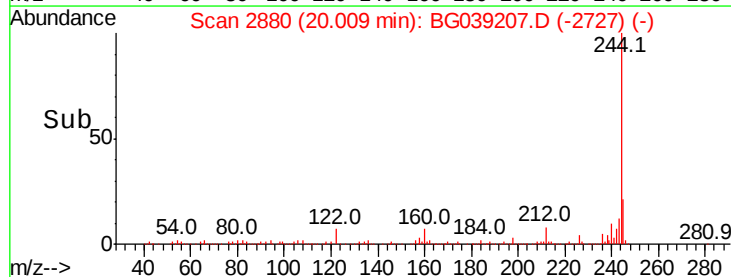
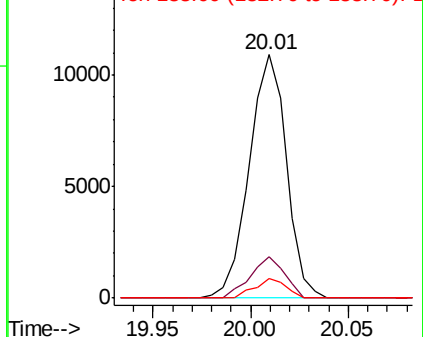
183 7.9 9.5 14.3#

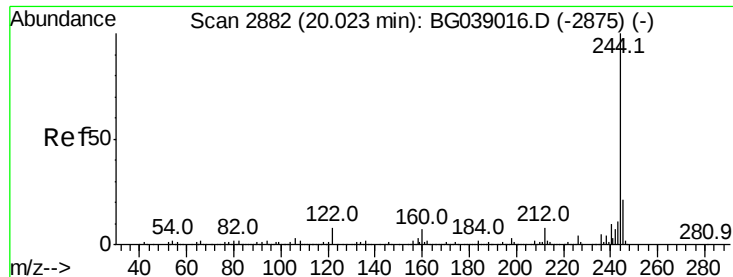


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 86.899 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG039207.D

Acq: 18 Jan 2019 6:25

Instrument :

BNA_G

ClientSampleId :

WC-06-011519

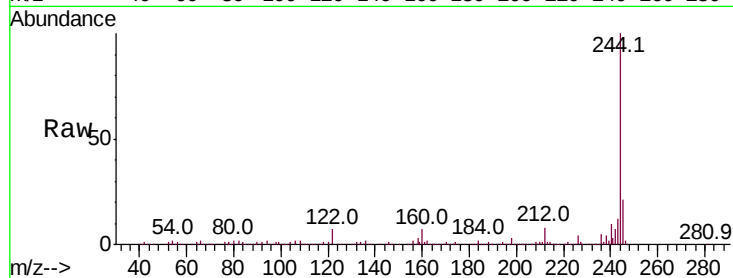
Tot Ion:244 Resp: 854932

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

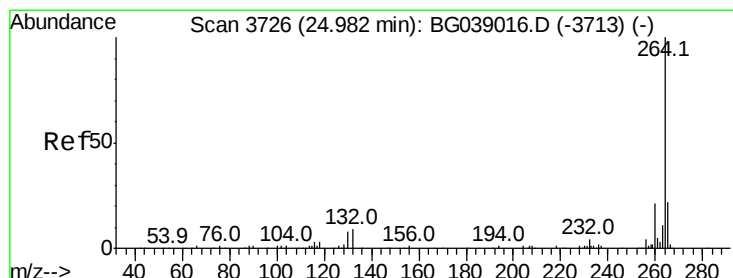
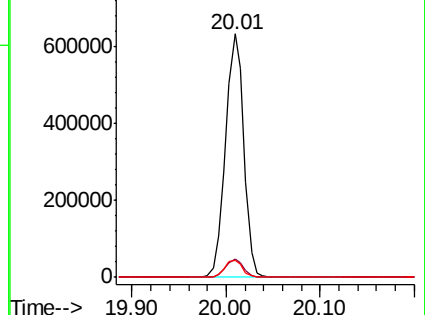
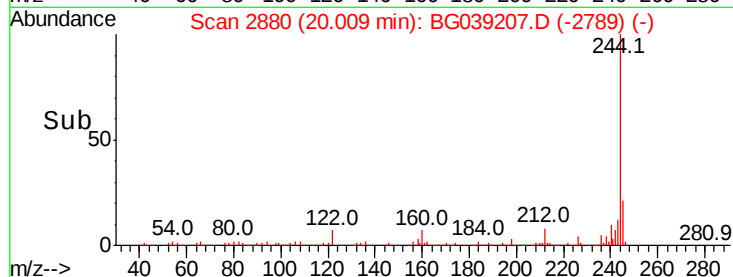
122 7.2 6.1 9.1



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: 24.94 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BG039207.D

Acq: 18 Jan 2019 6:25

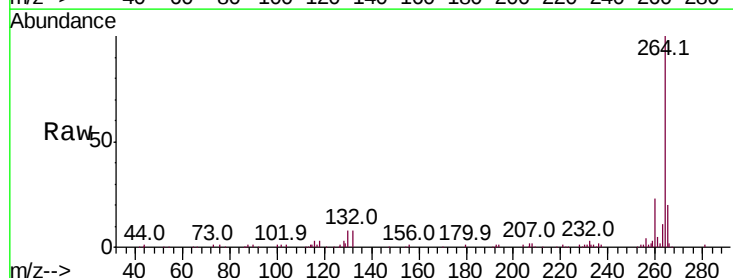
Tgt Ion:264 Resp: 192734

Ion Ratio Lower Upper

264 100

260 23.0 17.0 25.6

265 19.8 17.2 25.8



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

