

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
 Data File : BG039204.D
 Acq On : 18 Jan 2019 4:27
 Operator : JU/SJ
 Sample : K1157-19
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-03-011519

Quant Time: Jan 18 05:37:42 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

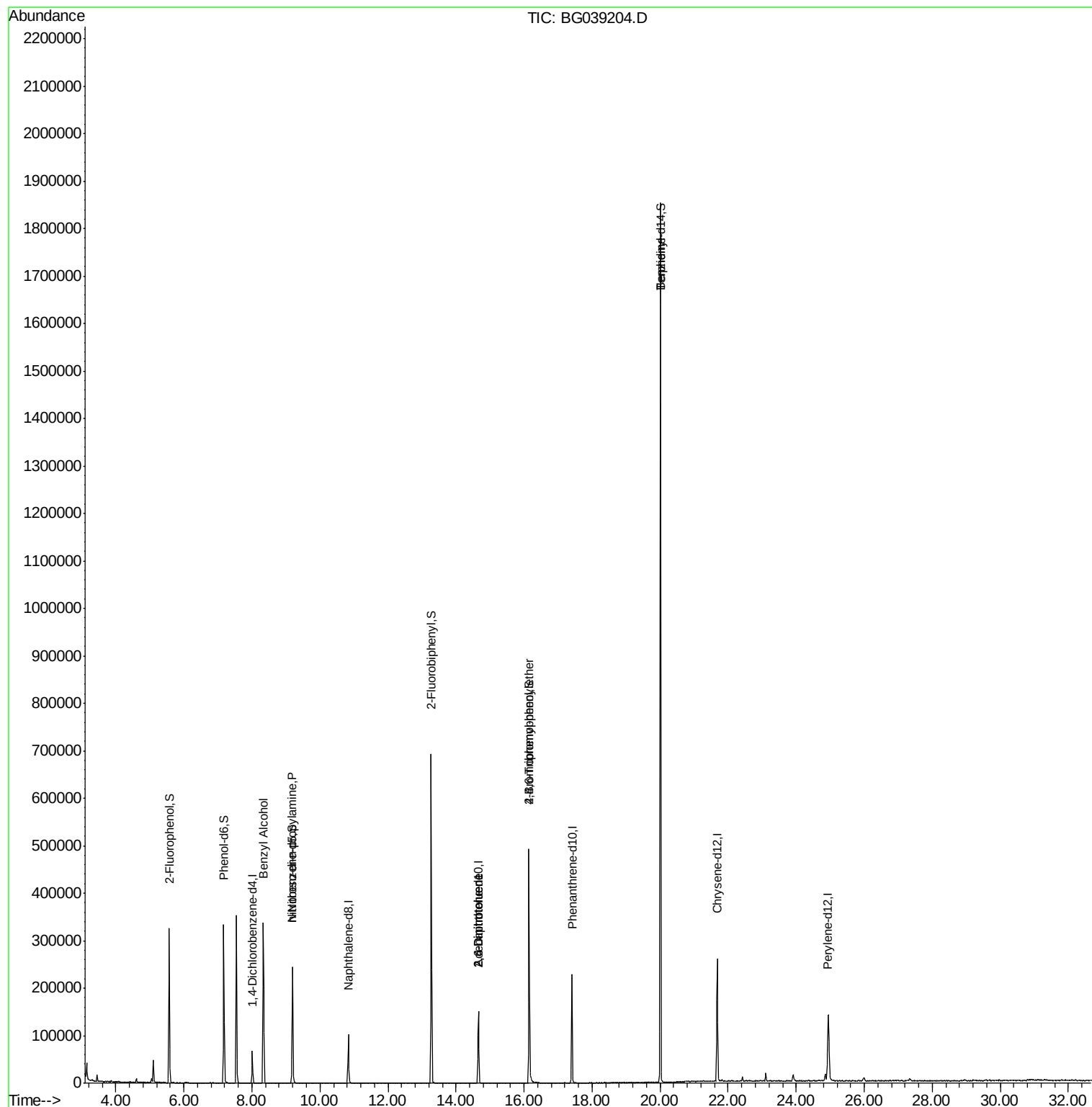
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	19905	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	94669	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	57700	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	162266	20.00	ng	0.00
76) Chrysene-d12	21.68	240	171208	20.00	ng	0.00
87) Perylene-d12	24.95	264	188939	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	147028	140.12	ng	0.00
7) Phenol-d6	7.17	99	195740	129.62	ng	0.00
23) Nitrobenzene-d5	9.19	82	146718	84.80	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	119754	123.81	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	394185	93.50	ng	0.00
79) Terphenyl-d14	20.01	244	915469	98.92	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.33	79	2552	2.244	ng	# 43
19) n-Nitroso-di-n-propylamine	9.19	70	19421	19.585	ng	# 64
51) 2,6-Dinitrotoluene	14.66	165	7477	6.859	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	7477	4.781	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	7227	3.465	ng	# 1
77) Benzidine	20.01	184	14349	2.740	ng	97

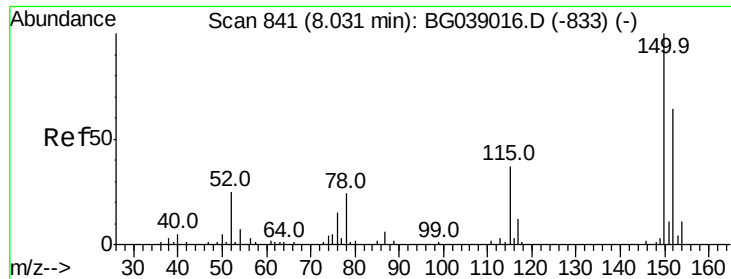
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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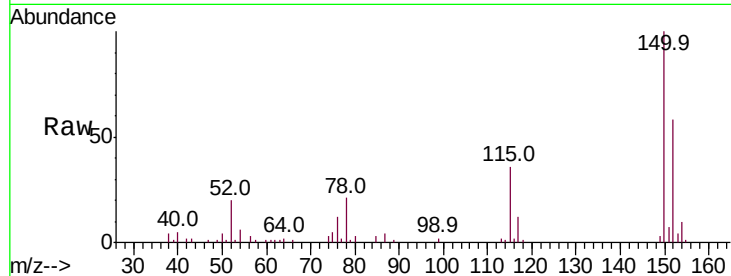


#1

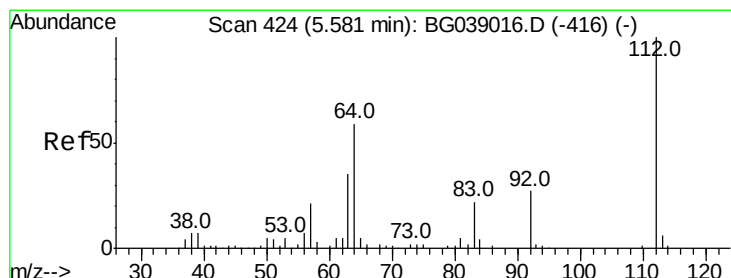
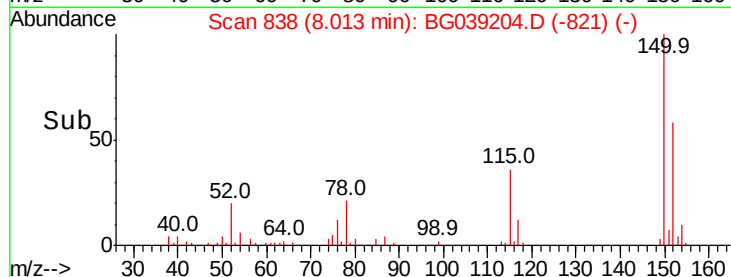
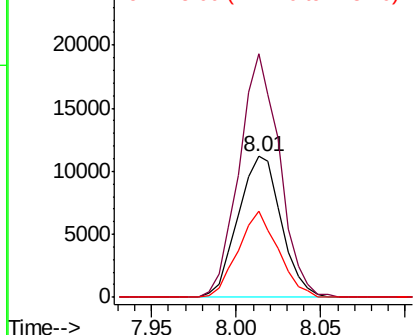
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039204.D
Acq: 18 Jan 2019 4:27

Instrument :
BNA_G
ClientSampleId :
WC-03-011519

Tot Ion:152 Resp: 19905
Ion Ratio Lower Upper
152 100
150 172.5 124.7 187.1
115 61.4 46.5 69.7



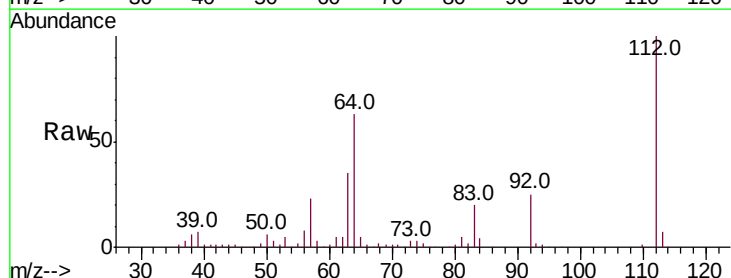
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



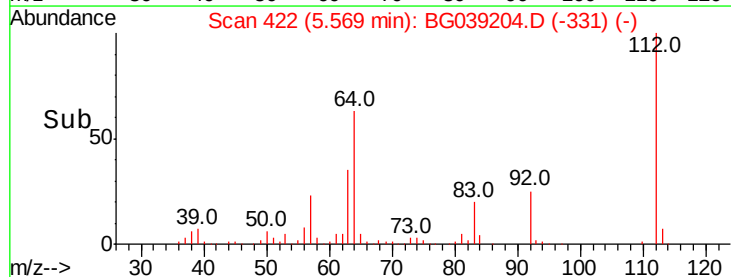
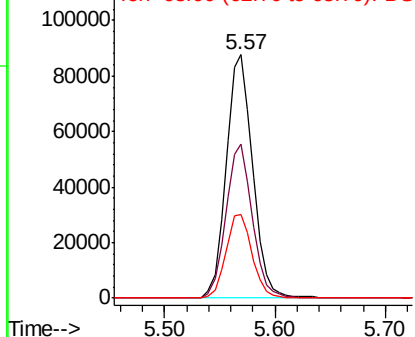
#5

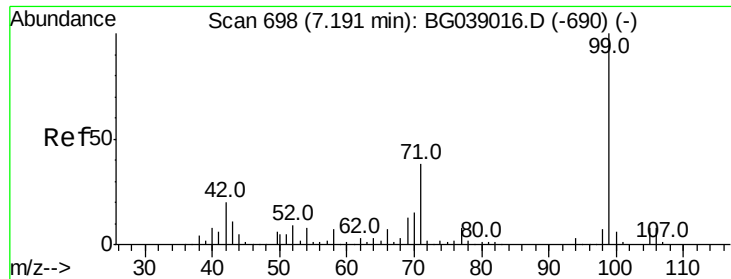
2-Fluorophenol
Concen: 140.120 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG039204.D
Acq: 18 Jan 2019 4:27

Tgt Ion:112 Resp: 147028
Ion Ratio Lower Upper
112 100
64 63.1 47.0 70.6
63 34.5 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: 129.623 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG039204.D

Acq: 18 Jan 2019 4:27

Instrument :

BNA_G

ClientSampleId :

WC-03-011519

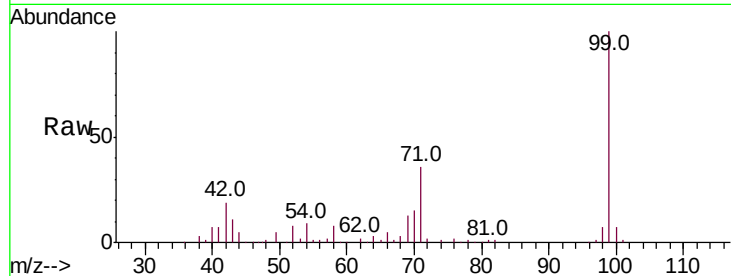
Tot Ion: 99 Resp: 195740

Ion Ratio Lower Upper

99 100

42 19.2 15.8 23.6

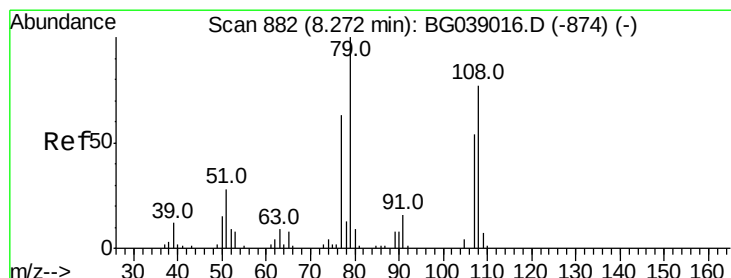
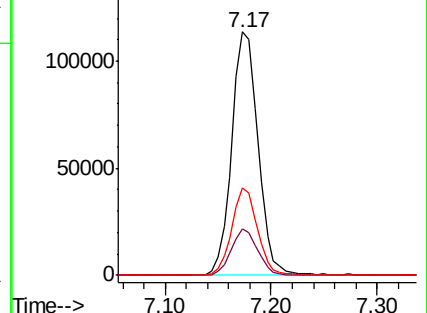
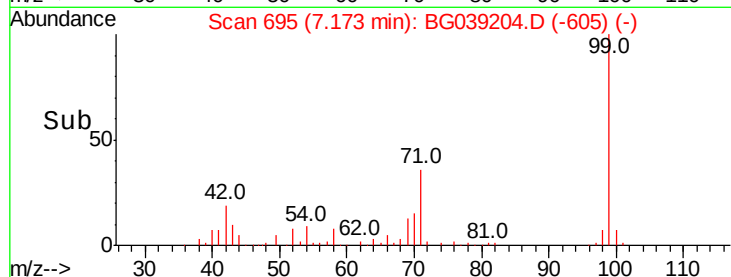
71 36.1 30.2 45.4



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



#15

Benzyl Alcohol

Concen: 2.244 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.07 min

Lab File: BG039204.D

Acq: 18 Jan 2019 4:27

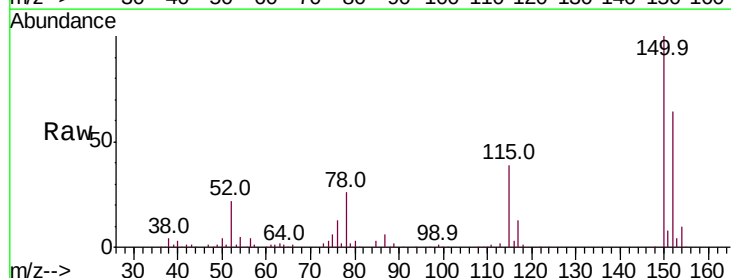
Tgt Ion: 79 Resp: 2552

Ion Ratio Lower Upper

79 100

108 26.2 62.0 93.0#

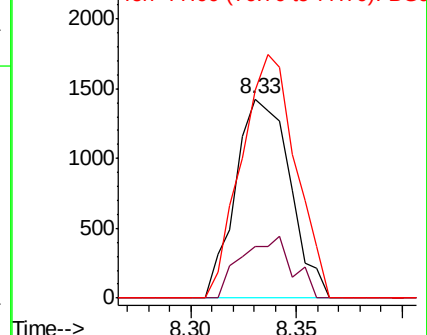
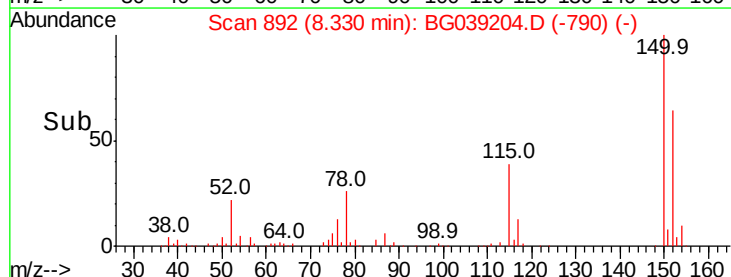
77 104.3 50.1 75.1#

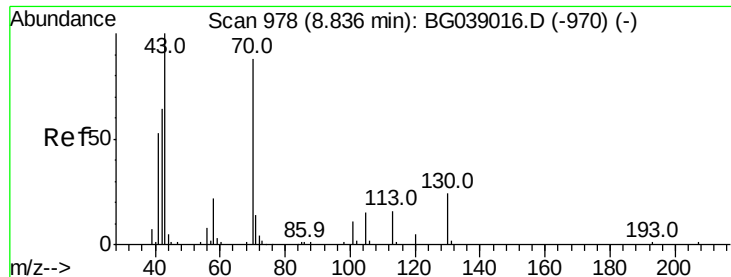


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

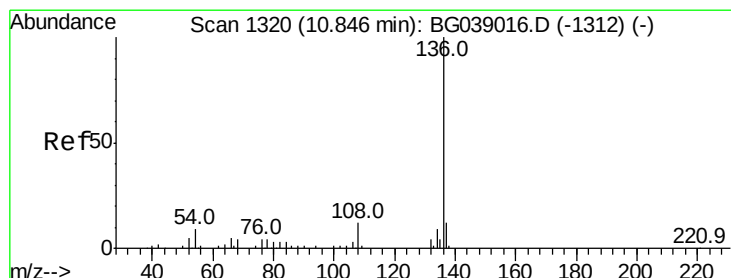
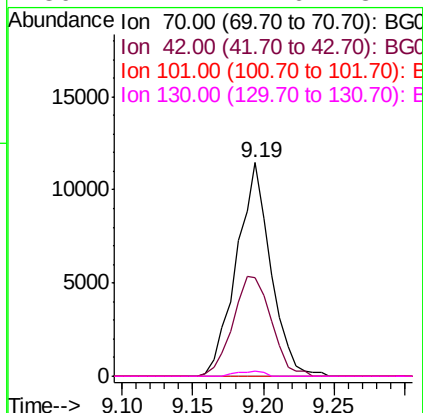
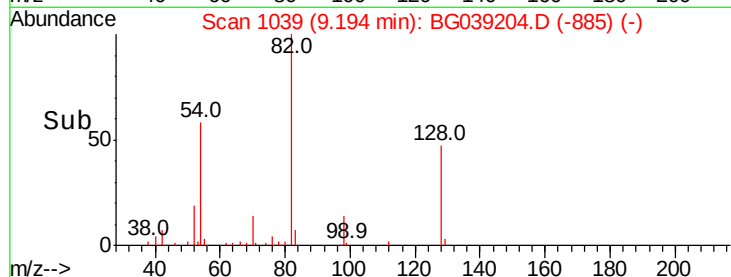
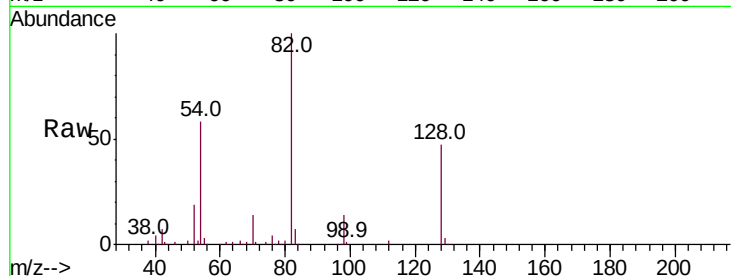




#19
n-Nitroso-di-n-propylamine
Concen: 19.585 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.37 min
Lab File: BG039204.D
Acq: 18 Jan 2019 4:27

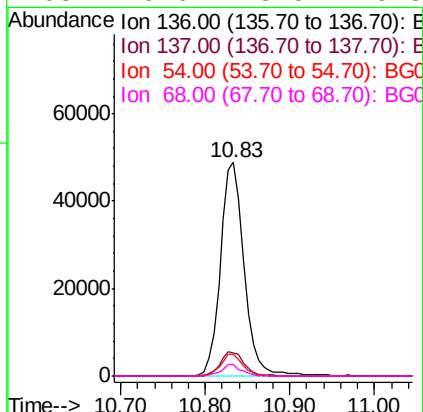
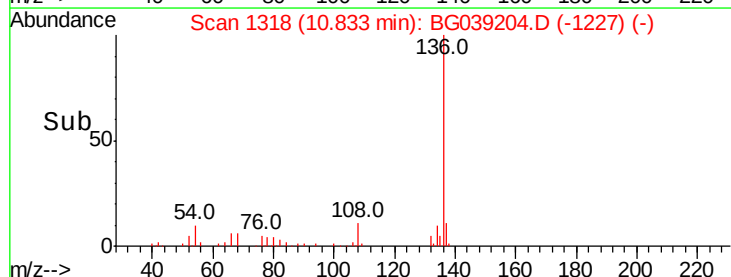
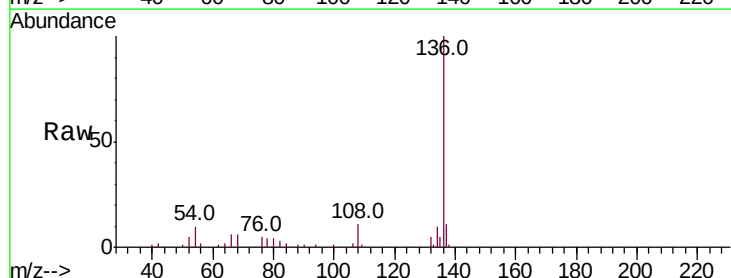
Instrument :
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ClientSampleId :
WC-03-011519

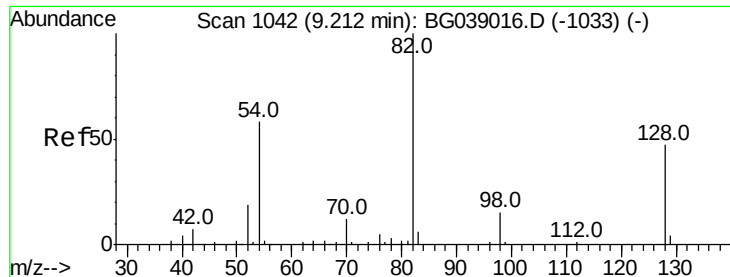
Tot Ion: 70 Resp: 19421
Ion Ratio Lower Upper
70 100
42 46.4 59.0 88.4#
101 0.0 10.4 15.6#
130 2.4 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG039204.D
Acq: 18 Jan 2019 4:27

Tgt Ion: 136 Resp: 94669
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.2
54 10.0 7.2 10.8
68 5.6 3.5 5.3#

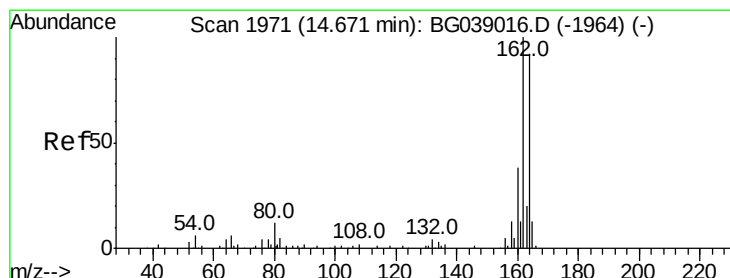
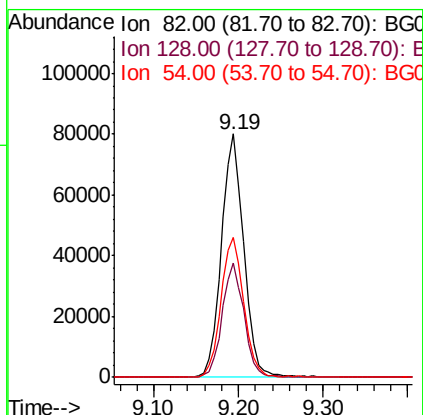
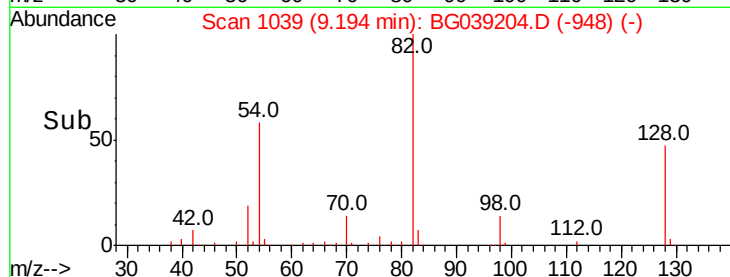
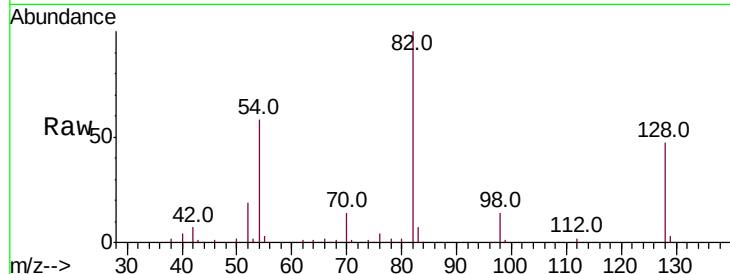




#23
Nitrobenzene-d5
Concen: 84.804 ng
RT: 9.19 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BG039204.D
Acq: 18 Jan 2019 4:27

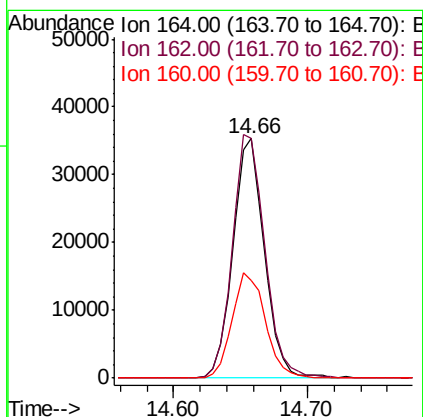
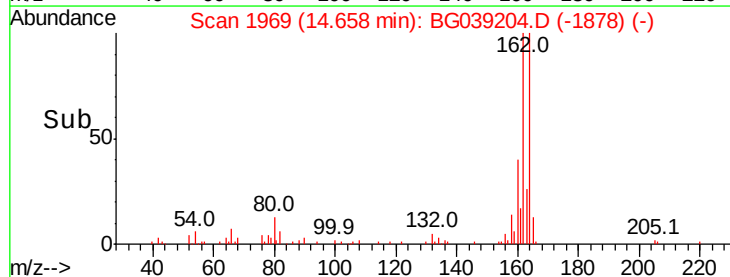
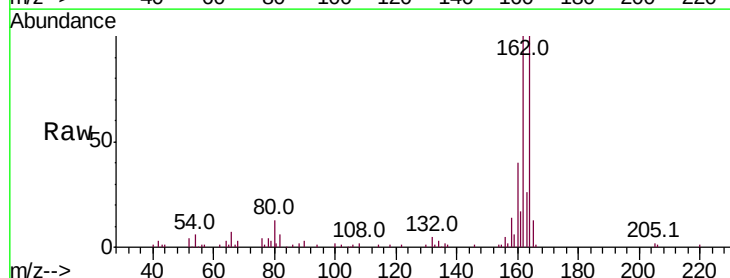
Instrument :
BNA_G
ClientSampleId :
WC-03-011519

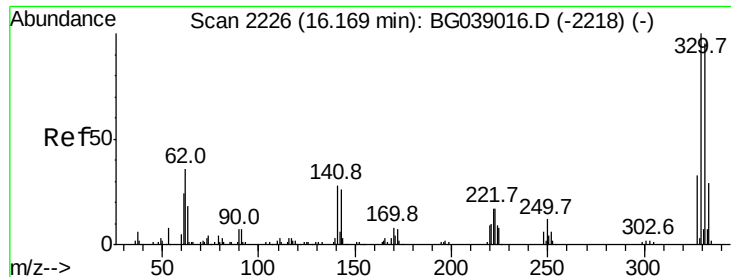
Tot Ion: 82 Resp: 146718
Ion Ratio Lower Upper
82 100
128 47.2 37.3 55.9
54 57.5 46.4 69.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BG039204.D
Acq: 18 Jan 2019 4:27

Tgt Ion:164 Resp: 57700
Ion Ratio Lower Upper
164 100
162 100.4 87.2 130.8
160 40.6 33.3 49.9





#42

2,4,6-Tribromophenol

Concen: 123.814 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BG039204.D

Acq: 18 Jan 2019 4:27

Instrument :

BNA_G

ClientSampleId :

WC-03-011519

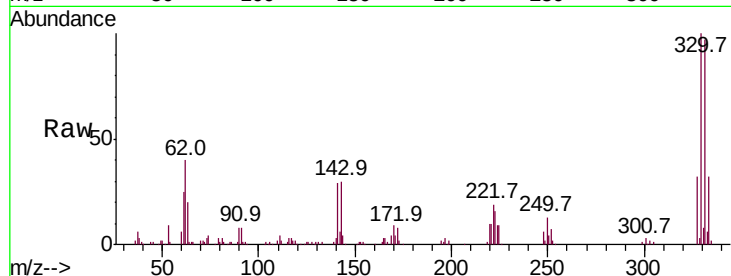
Tot Ion:330 Resp: 119754

Ion Ratio Lower Upper

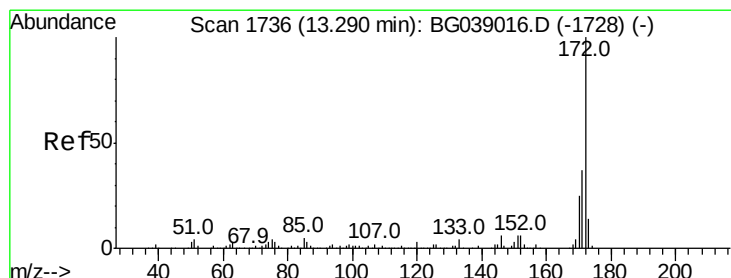
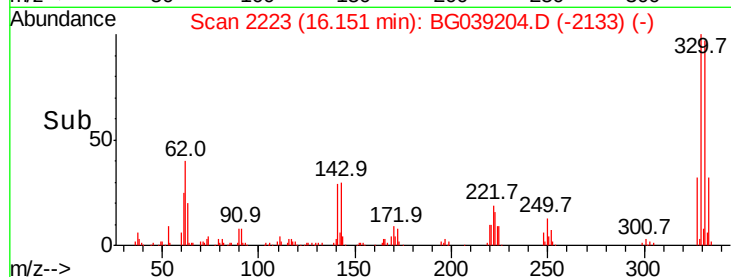
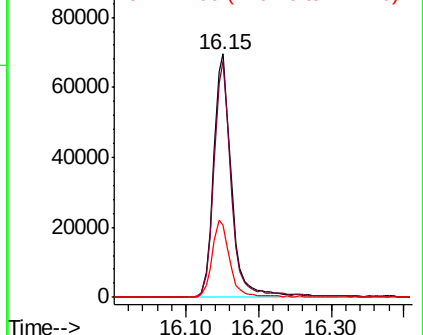
330 100

332 93.0 75.7 113.5

141 31.4 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: 93.495 ng

RT: 13.28 min Scan# 1734

Delta R.T. 0.00 min

Lab File: BG039204.D

Acq: 18 Jan 2019 4:27

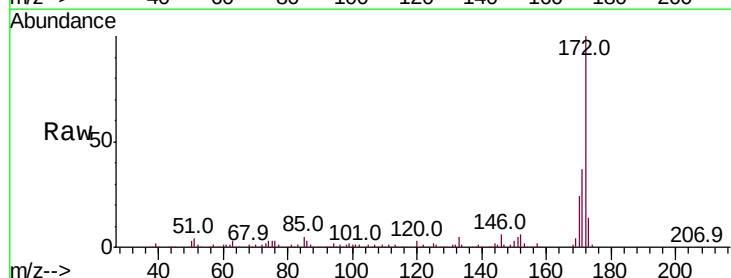
Tgt Ion:172 Resp: 394185

Ion Ratio Lower Upper

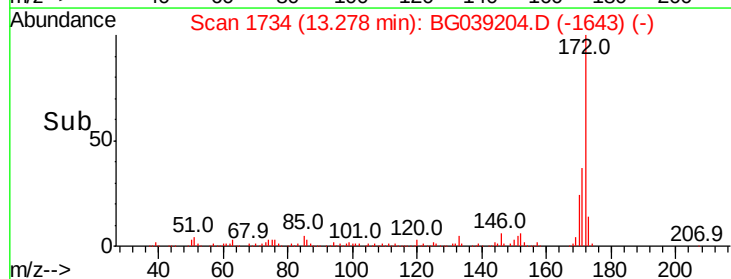
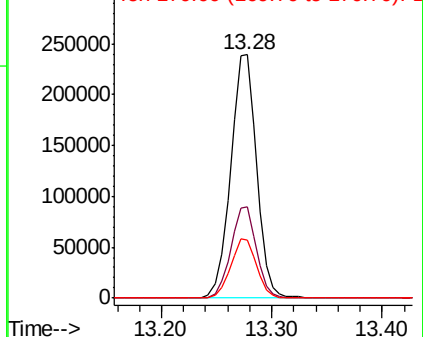
172 100

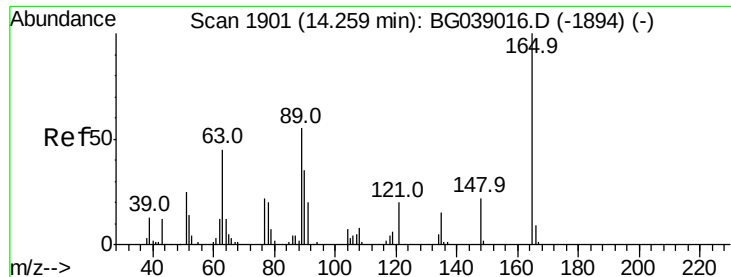
171 37.3 29.4 44.0

170 23.8 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

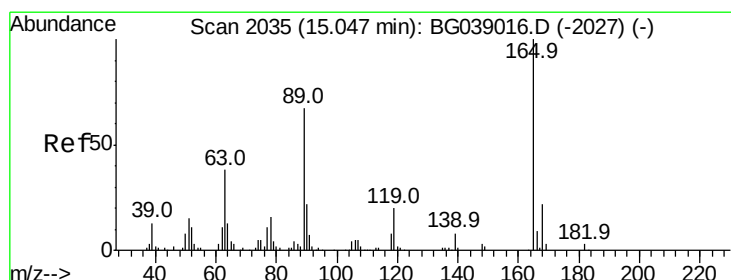
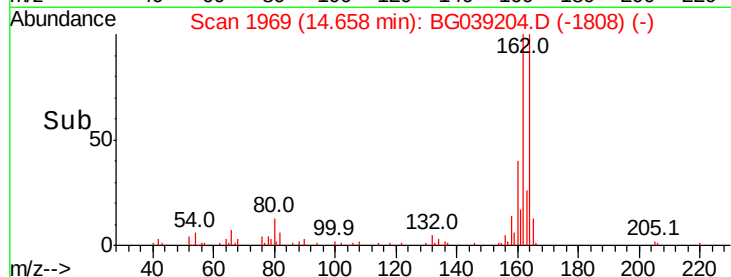
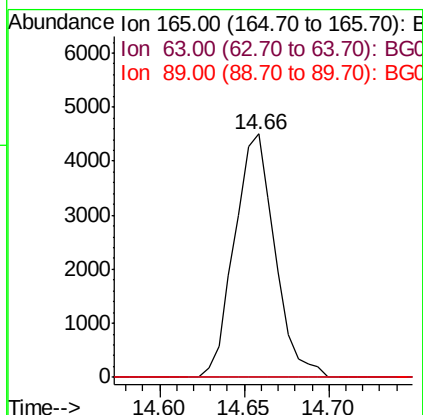
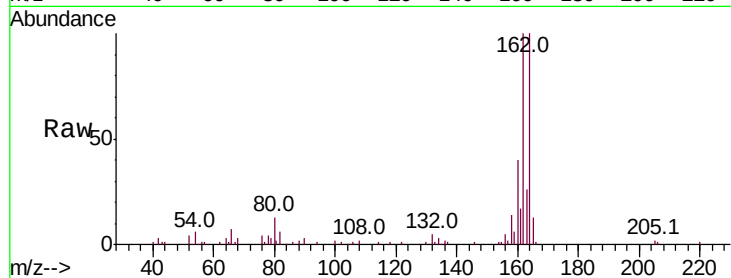




#51
 2,6-Dinitrotoluene
 Concen: 6.859 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG039204.D
 Acq: 18 Jan 2019 4:27

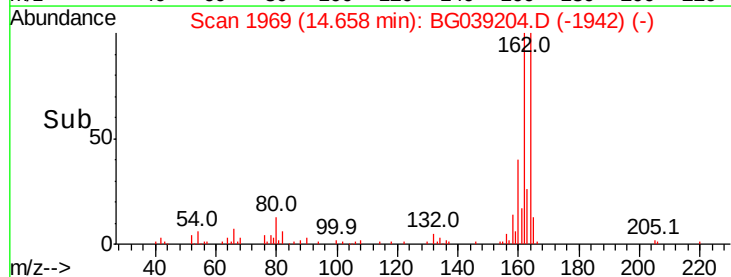
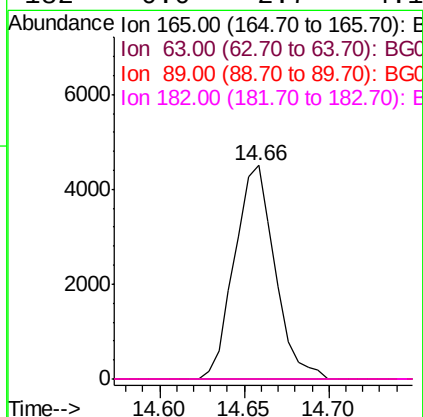
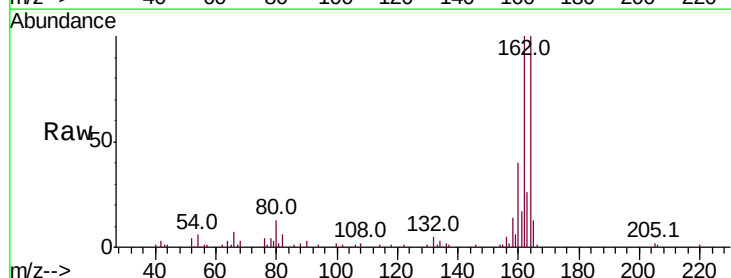
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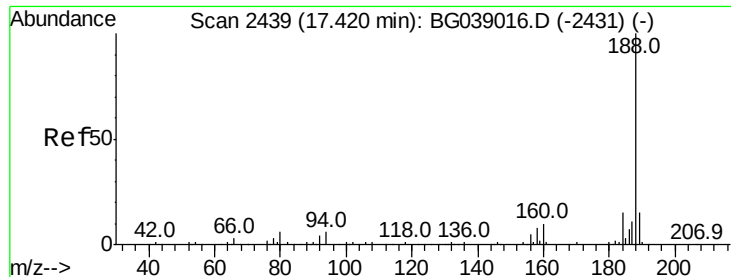
Tot Ion:165 Resp: 7477
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#



#57
 2,4-Dinitrotoluene
 Concen: 4.781 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG039204.D
 Acq: 18 Jan 2019 4:27

Tgt Ion:165 Resp: 7477
 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: BG039204.D

Acq: 18 Jan 2019 4:27

Instrument :

BNA_G

ClientSampleId :

WC-03-011519

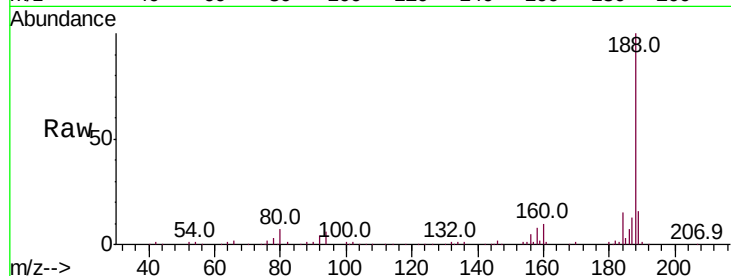
Tot Ion:188 Resp: 162266

Ion Ratio Lower Upper

188 100

94 5.8 5.0 7.4

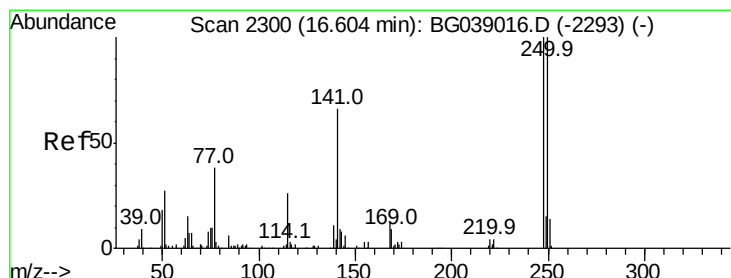
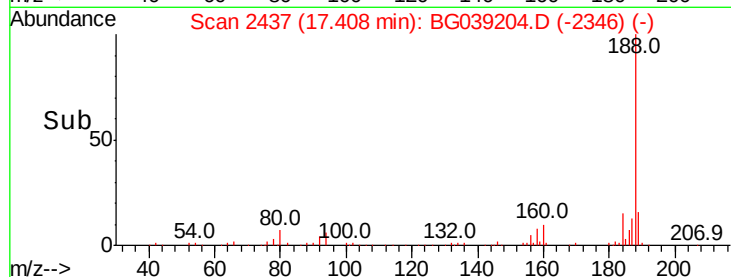
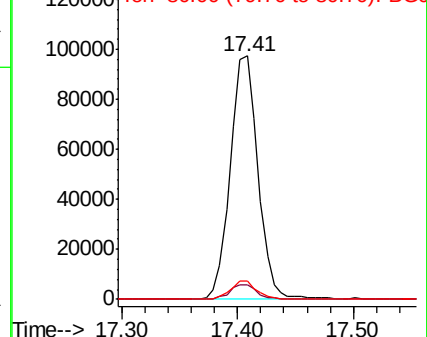
80 7.3 4.7 7.1#



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: 3.465 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG039204.D

Acq: 18 Jan 2019 4:27

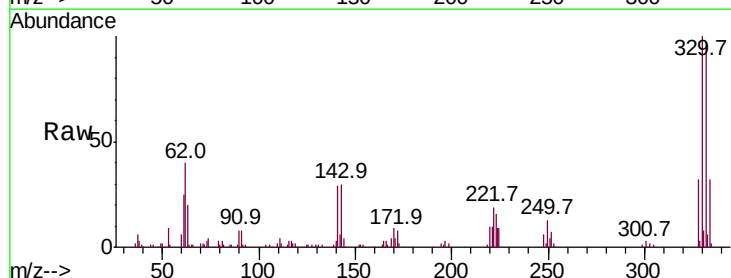
Tgt Ion:248 Resp: 7227

Ion Ratio Lower Upper

248 100

250 199.2 79.9 119.9#

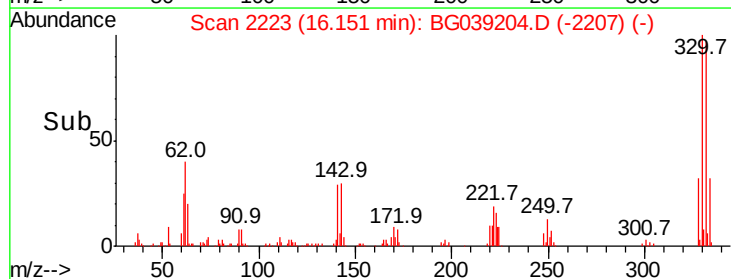
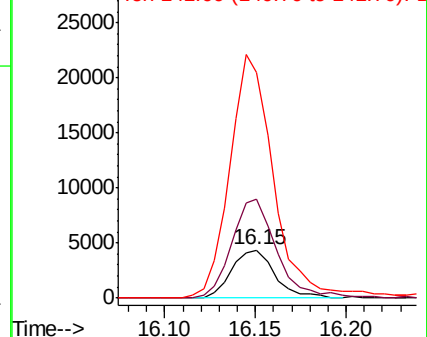
141 348.3 52.7 79.1#

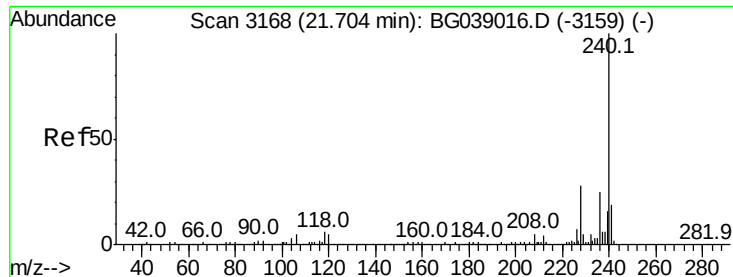


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG039204.D

Acq: 18 Jan 2019 4:27

Instrument :

BNA_G

ClientSampleId :

WC-03-011519

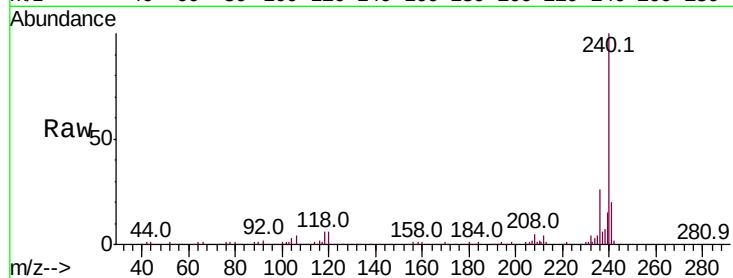
Tot Ion:240 Resp: 171208

Ion Ratio Lower Upper

240 100

120 6.1 4.3 6.5

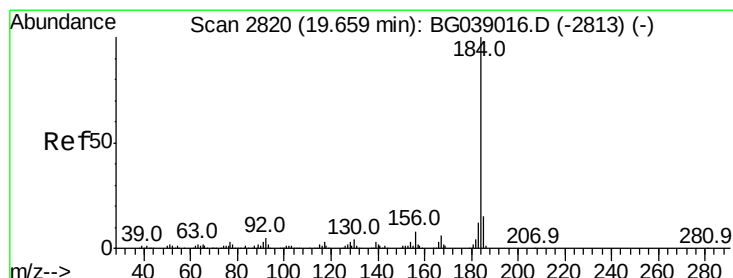
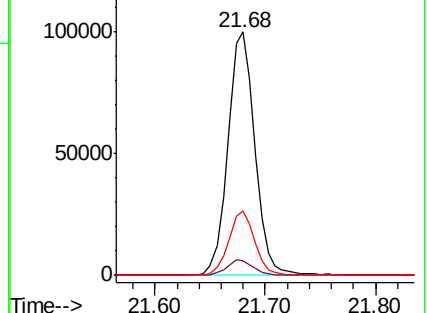
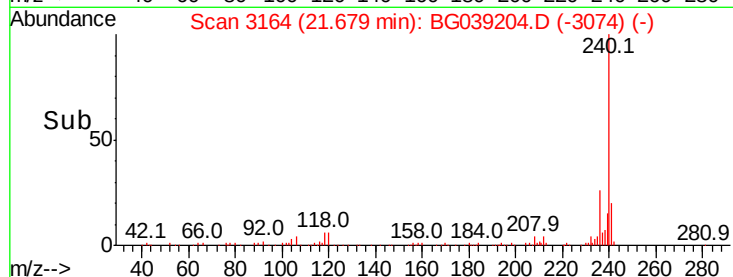
236 26.5 20.1 30.1



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: 2.740 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.37 min

Lab File: BG039204.D

Acq: 18 Jan 2019 4:27

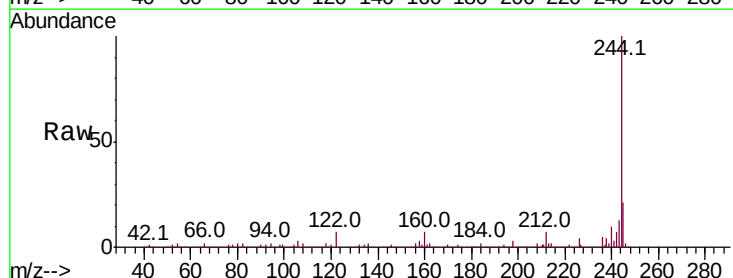
Tgt Ion:184 Resp: 14349

Ion Ratio Lower Upper

184 100

185 16.4 12.1 18.1

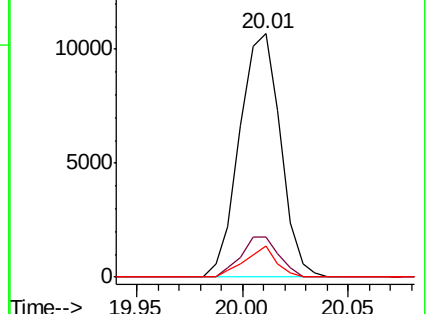
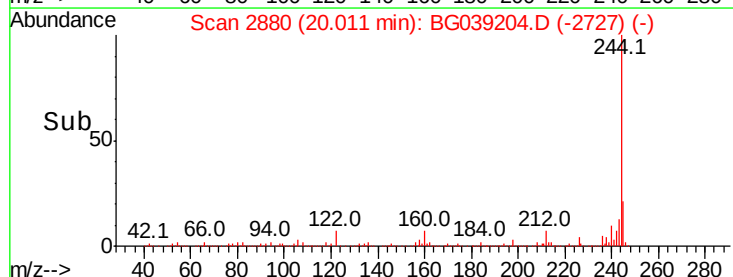
183 12.9 9.5 14.3

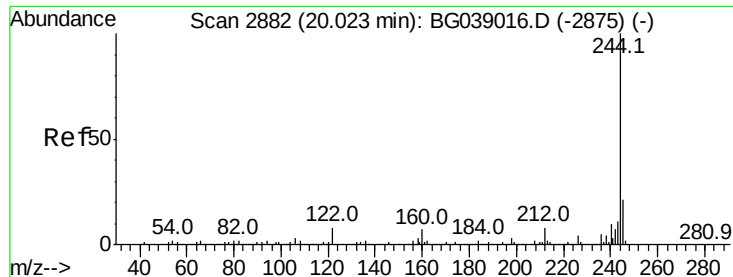


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 98.916 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG039204.D

Acq: 18 Jan 2019 4:27

Instrument :

BNA_G

ClientSampleId :

WC-03-011519

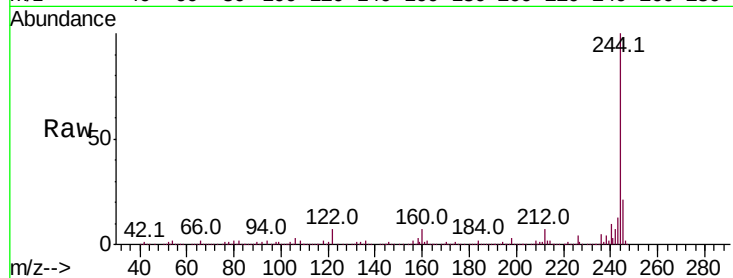
Tot Ion:244 Resp: 915469

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

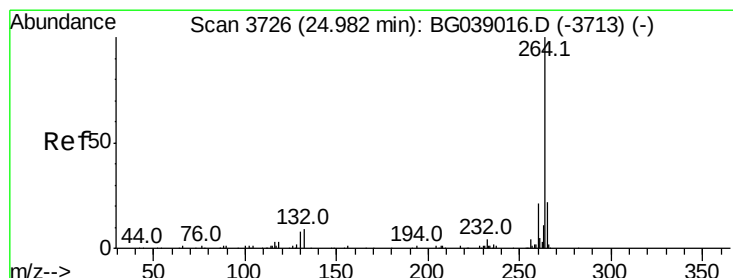
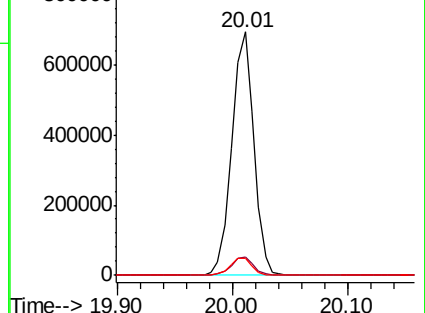
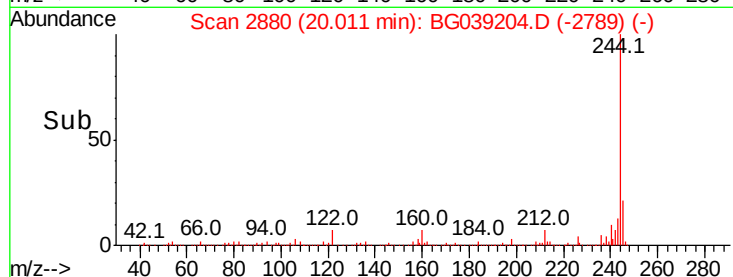
122 7.3 6.1 9.1



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: 24.95 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BG039204.D

Acq: 18 Jan 2019 4:27

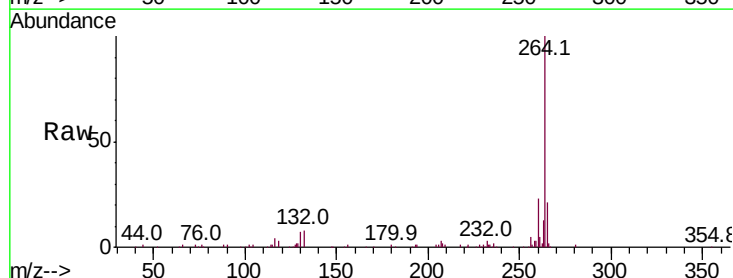
Tgt Ion:264 Resp: 188939

Ion Ratio Lower Upper

264 100

260 23.3 17.0 25.6

265 21.3 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

