

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011619\
 Data File : BG039158.D
 Acq On : 16 Jan 2019 15:43
 Operator : JU/SJ
 Sample : K1126-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 16:30:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 14:03:14 2019
 Response via : Initial Calibration

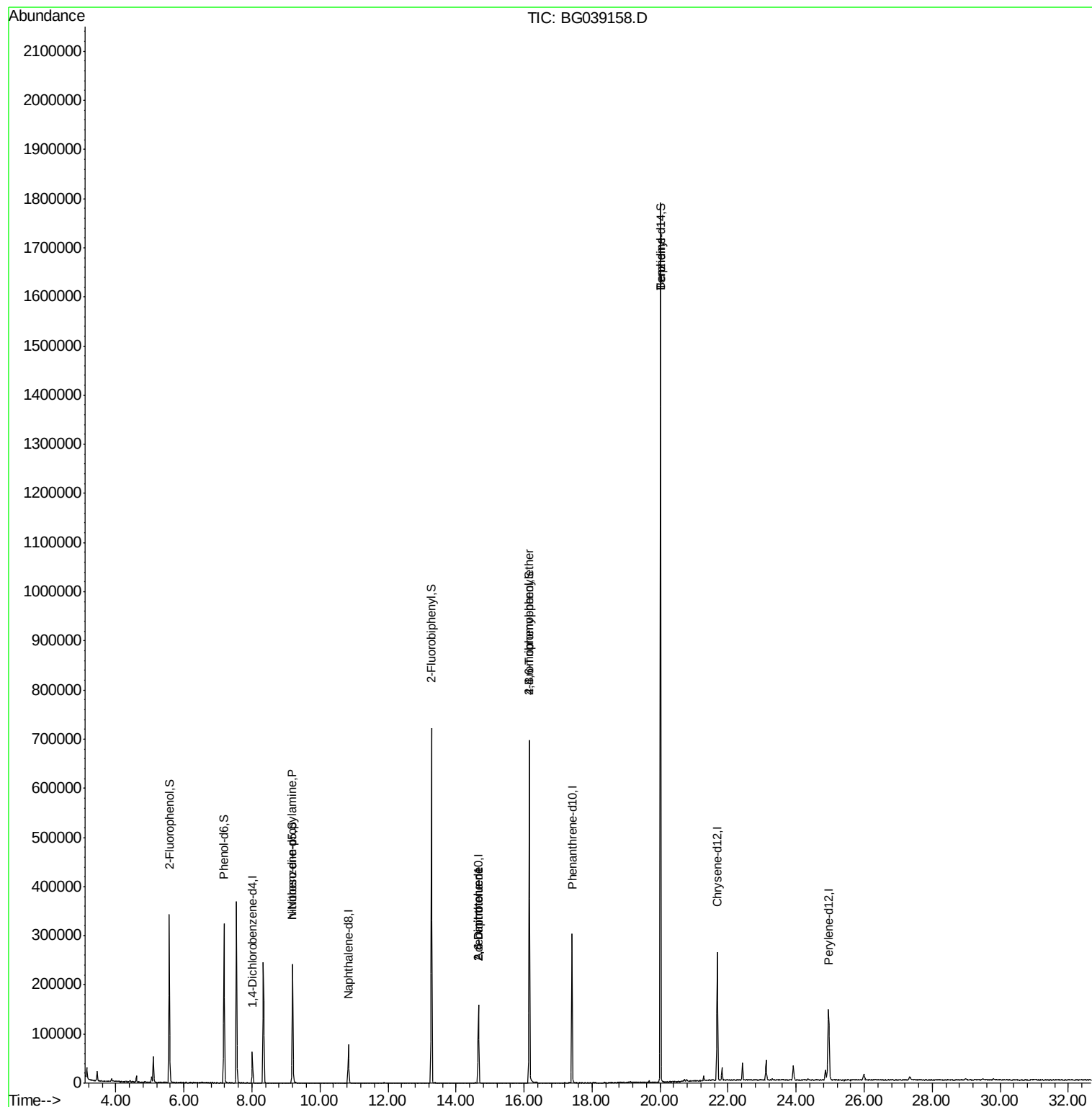
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	18758	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	74032	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	57638	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	198932	20.00	ng	0.00
76) Chrysene-d12	21.68	240	172238	20.00	ng	0.00
87) Perylene-d12	24.95	264	180704	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	151821	153.54	ng	0.00
7) Phenol-d6	7.18	99	195687	137.51	ng	0.00
23) Nitrobenzene-d5	9.19	82	145949	107.88	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	156665	162.15	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	402492	95.57	ng	0.00
79) Terphenyl-d14	20.01	244	893363	95.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	19613	20.988	ng	# 67
51) 2,6-Dinitrotoluene	14.66	165	7703	7.074	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	7703	4.931	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	9844	3.850	ng	# 1
77) Benzidine	20.01	184	14321	2.718	ng	# 94

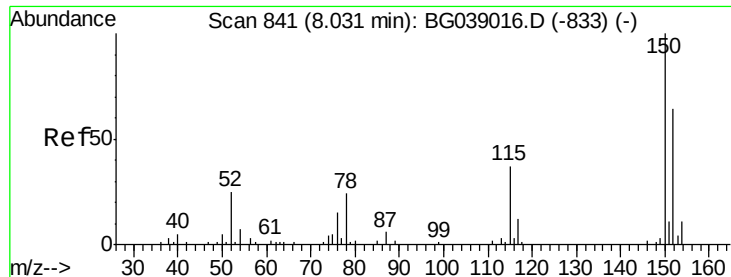
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 16 14:03:14 2019
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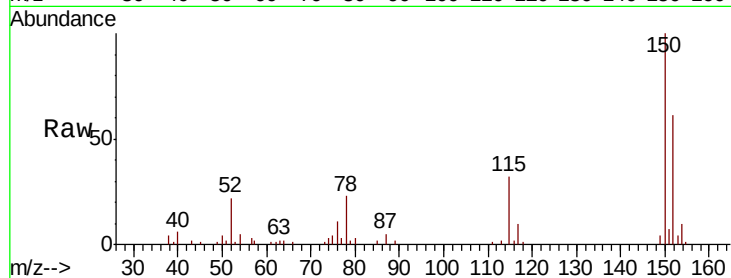


#1

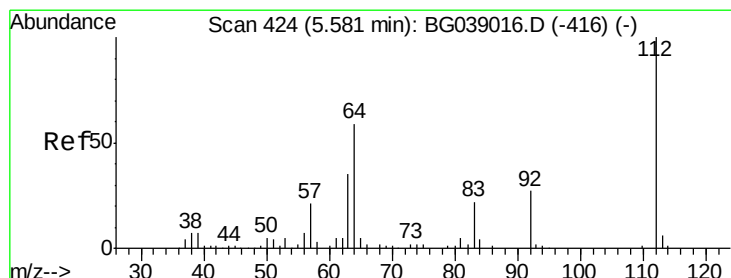
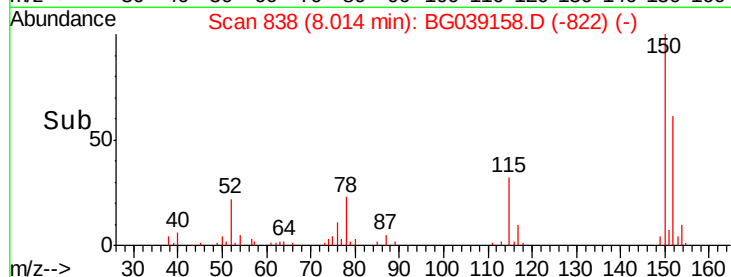
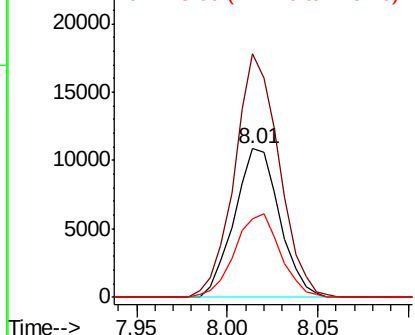
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039158.D
Acq: 16 Jan 2019 15:43

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 18758
Ion Ratio Lower Upper
152 100
150 163.9 124.7 187.1
115 52.8 46.5 69.7



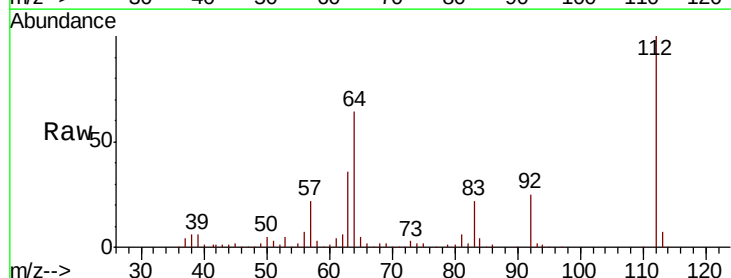
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



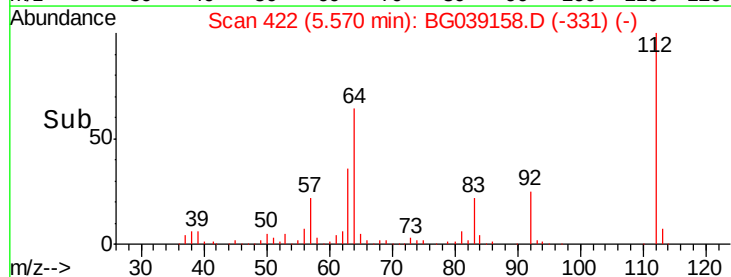
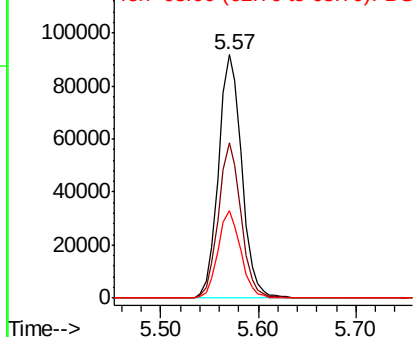
#5

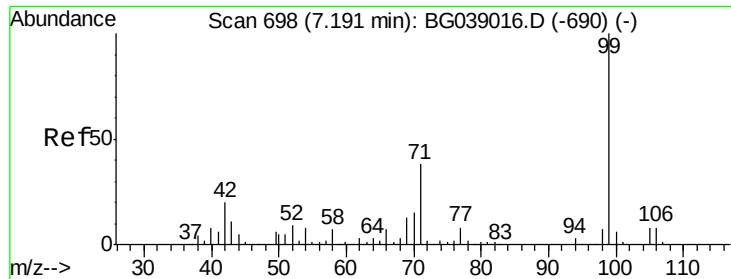
2-Fluorophenol
Concen: 153.535 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG039158.D
Acq: 16 Jan 2019 15:43

Tgt Ion:112 Resp: 151821
Ion Ratio Lower Upper
112 100
64 63.7 47.0 70.6
63 36.0 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: 137.511 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039158.D

Acq: 16 Jan 2019 15:43

Instrument :

BNA_G

ClientSampled :

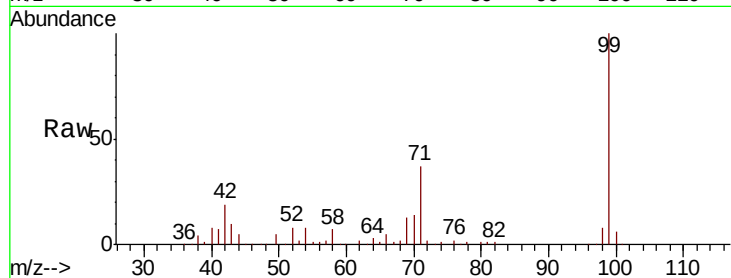
Tot Ion: 99 Resp: 195687

Ion Ratio Lower Upper

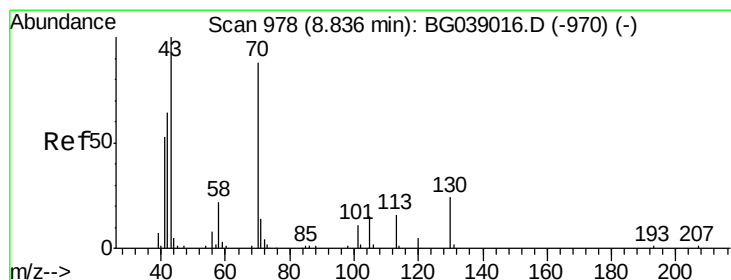
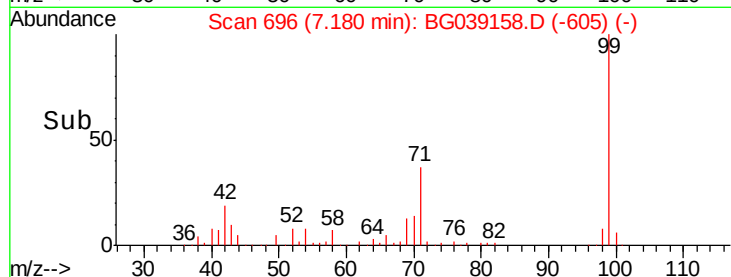
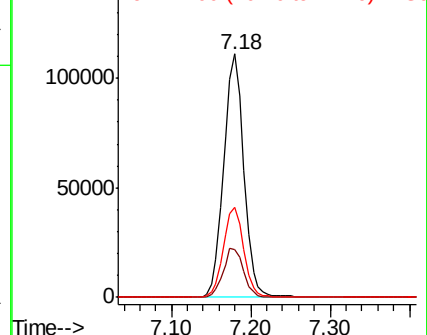
99 100

42 19.4 15.8 23.6

71 37.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 20.988 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.37 min

Lab File: BG039158.D

Acq: 16 Jan 2019 15:43

Tgt Ion: 70 Resp: 19613

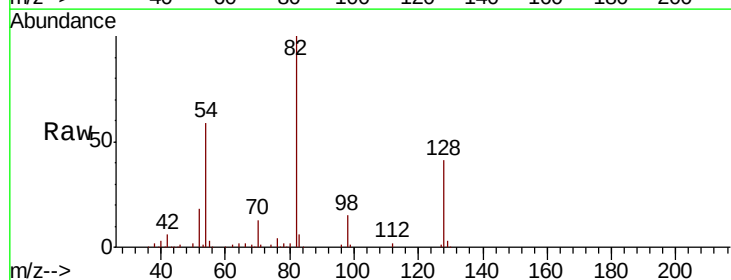
Ion Ratio Lower Upper

70 100

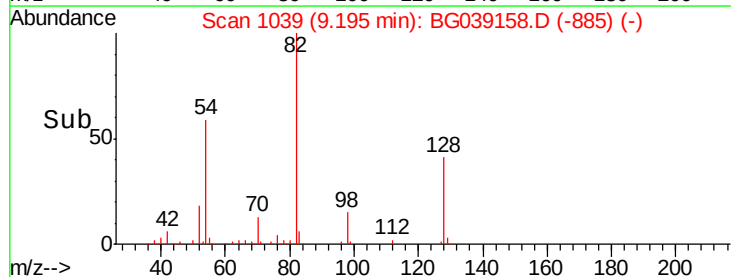
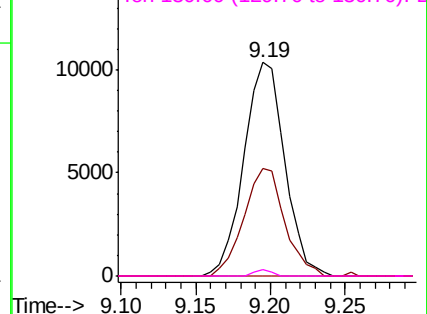
42 50.4 59.0 88.4#

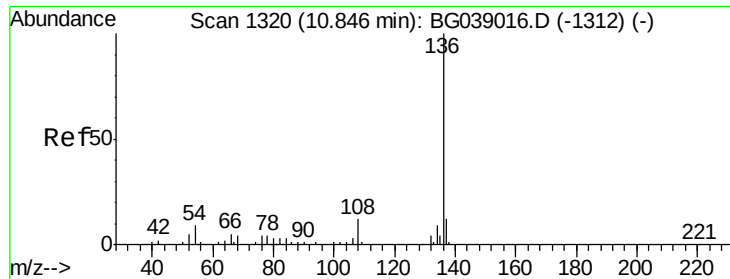
101 0.0 10.4 15.6#

130 3.2 21.6 32.4#



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

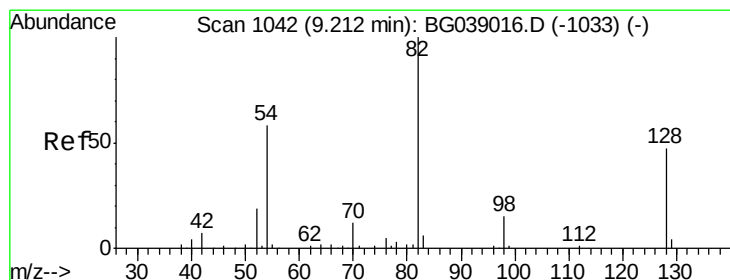
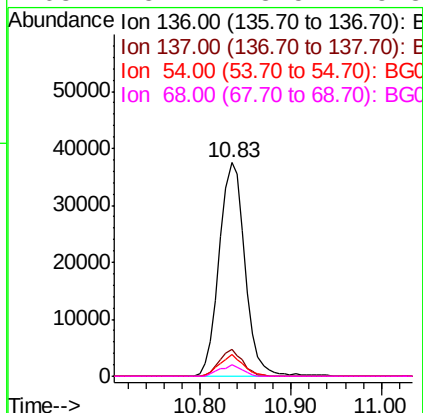
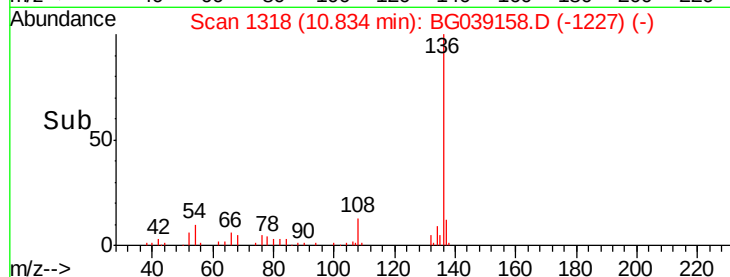
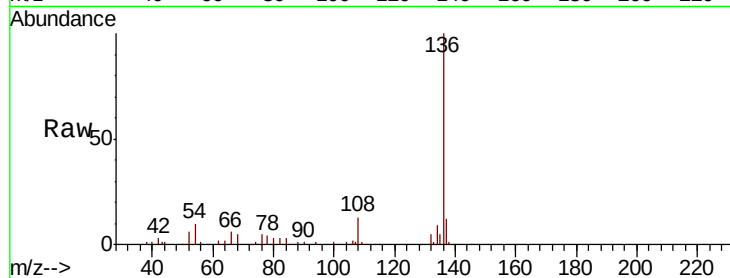




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG039158.D
Acq: 16 Jan 2019 15:43

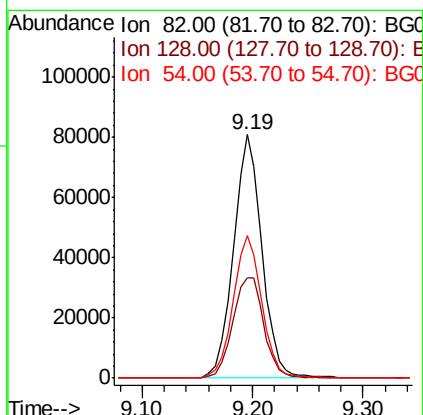
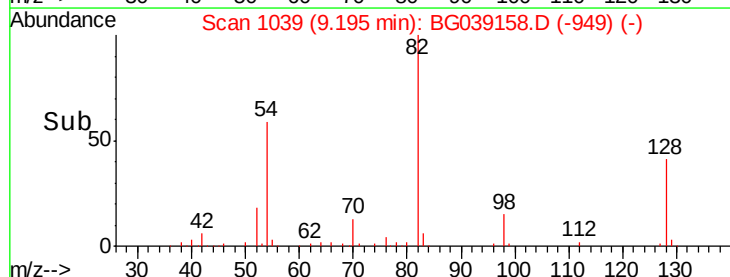
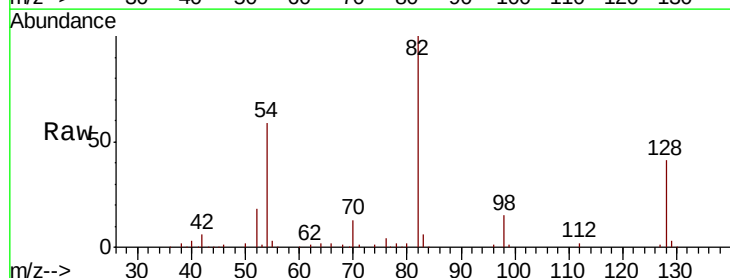
Instrument :
BNA_G
ClientSampled :

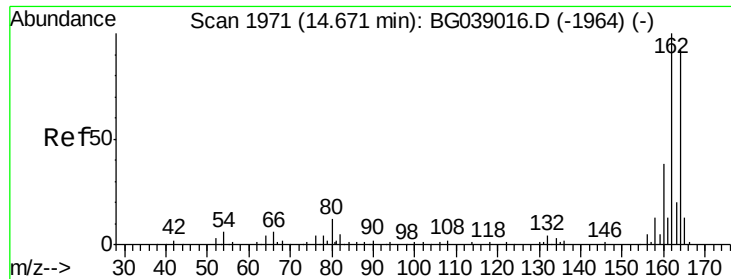
Tot Ion:136	Resp:	74032
Ion	Ratio	Lower Upper
136	100	
137	12.3	9.4 14.2
54	10.1	7.2 10.8
68	5.2	3.5 5.3



#23
Nitrobenzene-d5
Concen: 107.876 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BG039158.D
Acq: 16 Jan 2019 15:43

Tgt Ion: 82	Resp:	145949
Ion	Ratio	Lower Upper
82	100	
128	41.3	37.3 55.9
54	58.8	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: BG039158.D

Acq: 16 Jan 2019 15:43

Instrument :

BNA_G

ClientSampleId :

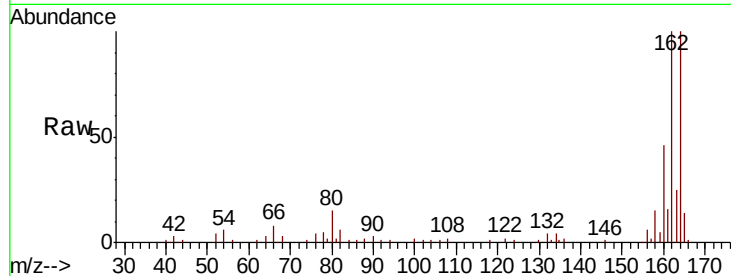
Tot Ion:164 Resp: 57638

Ion Ratio Lower Upper

164 100

162 99.8 87.2 130.8

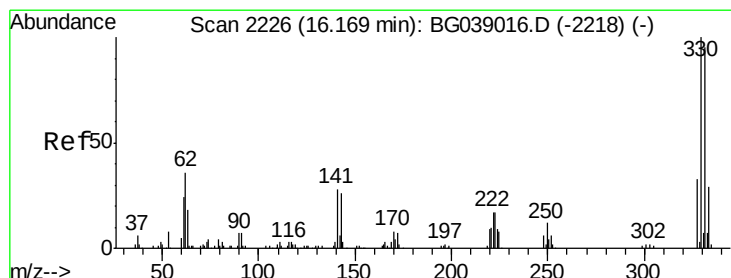
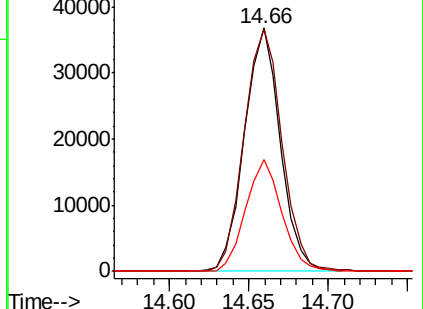
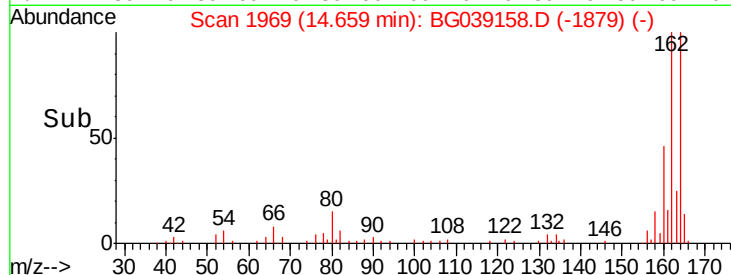
160 46.0 33.3 49.9



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: 162.150 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BG039158.D

Acq: 16 Jan 2019 15:43

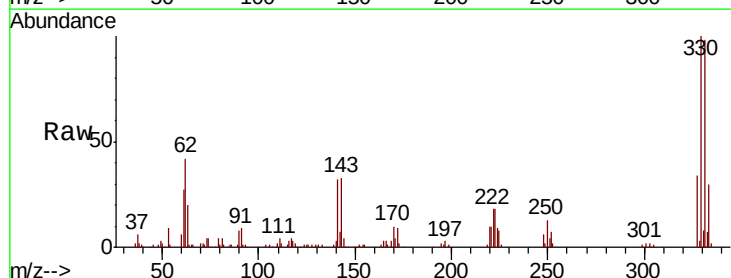
Tgt Ion:330 Resp: 156665

Ion Ratio Lower Upper

330 100

332 97.1 75.7 113.5

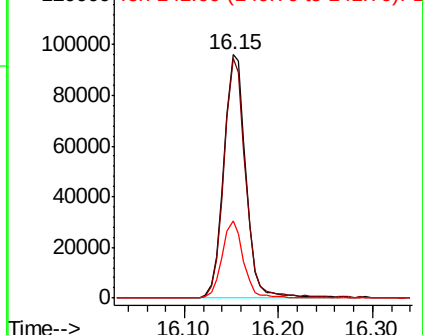
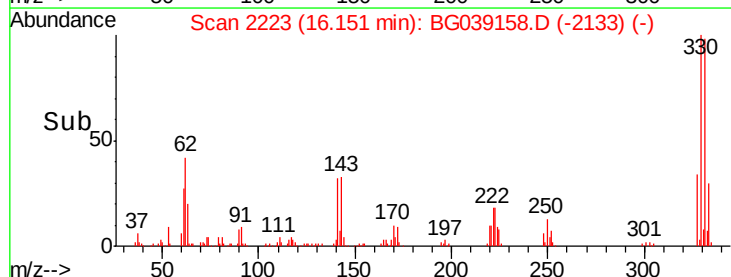
141 30.9 24.9 37.3

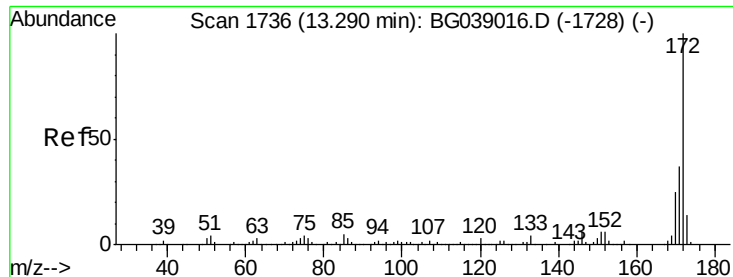


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

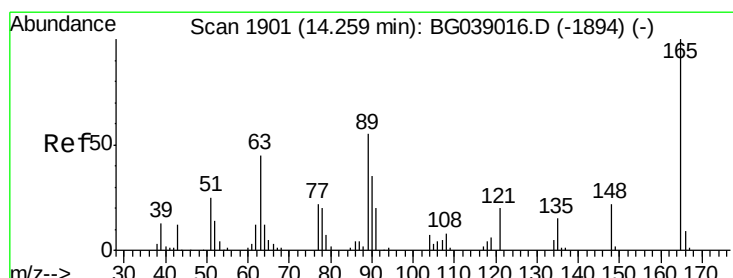
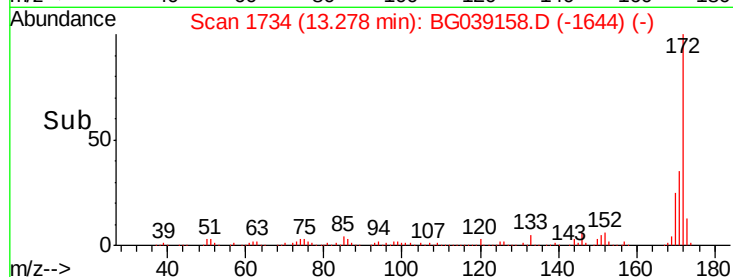
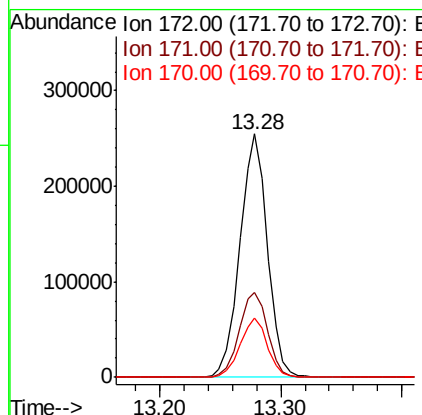
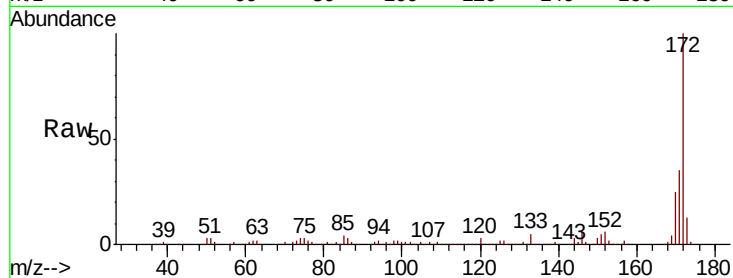




#45
 2-Fluorobiphenyl
 Concen: 95.568 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG039158.D
 Acq: 16 Jan 2019 15:43

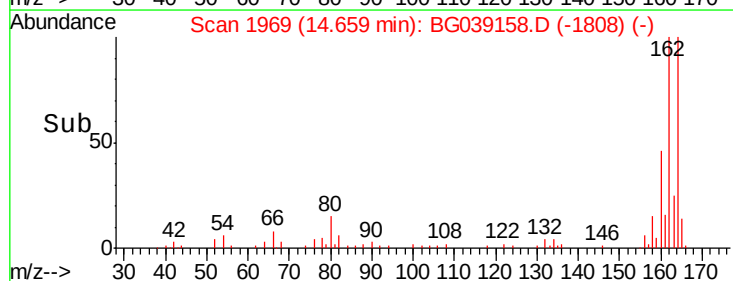
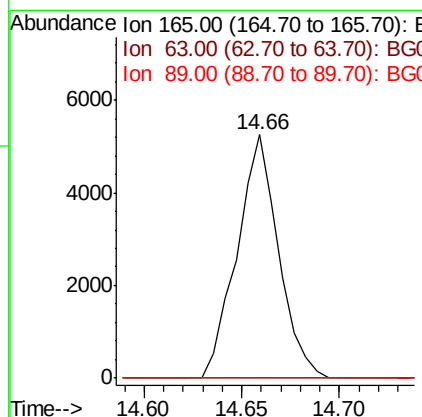
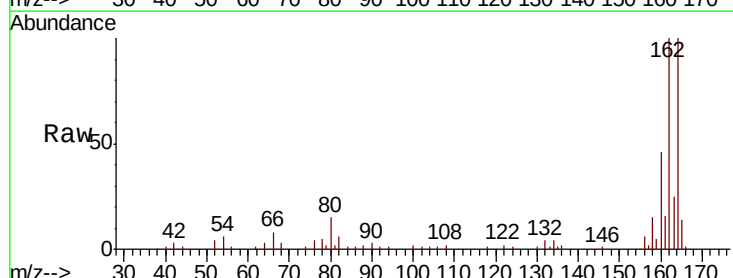
Instrument :
 BNA_G
 ClientSampleId :

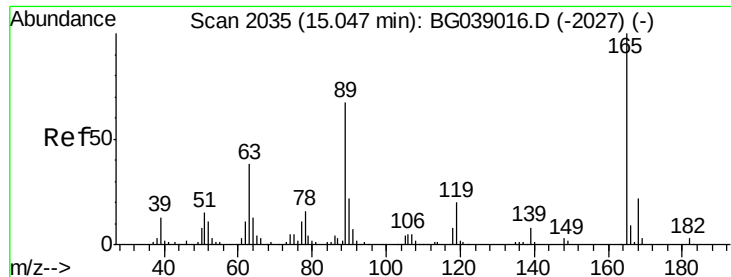
Tot Ion:172 Resp: 402492
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.4 44.0
 170 24.5 20.1 30.1



#51
 2,6-Dinitrotoluene
 Concen: 7.074 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.41 min
 Lab File: BG039158.D
 Acq: 16 Jan 2019 15:43

Tgt Ion:165 Resp: 7703
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.6 65.4#
 89 0.0 43.7 65.5#

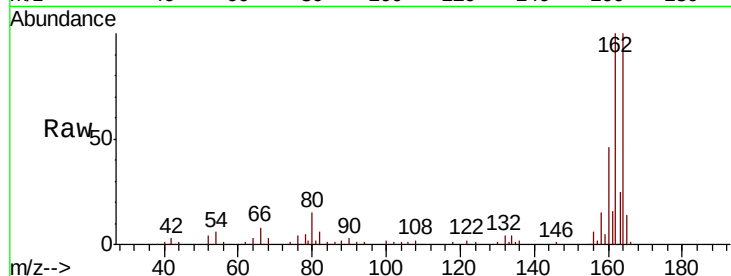




#57
 2,4-Dinitrotoluene
 Concen: 4.931 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG039158.D
 Acq: 16 Jan 2019 15:43

Instrument :
 BNA_G
 ClientSampleId :

Tot 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#

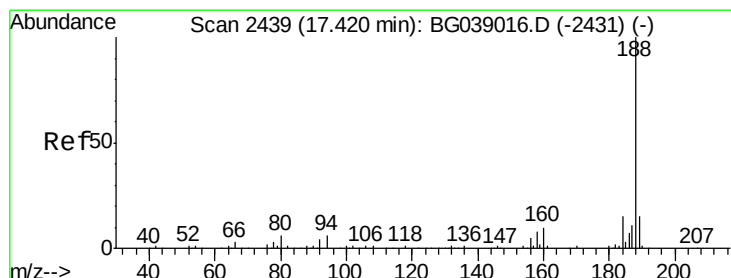
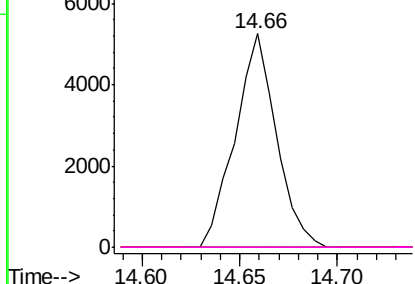
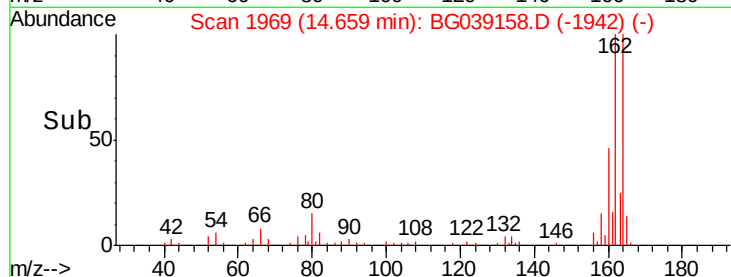


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

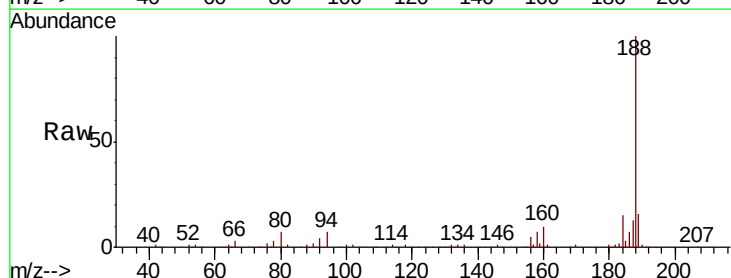
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: BG039158.D
 Acq: 16 Jan 2019 15:43

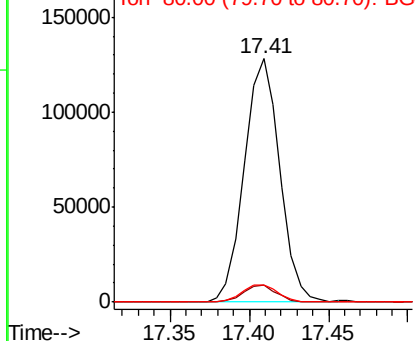
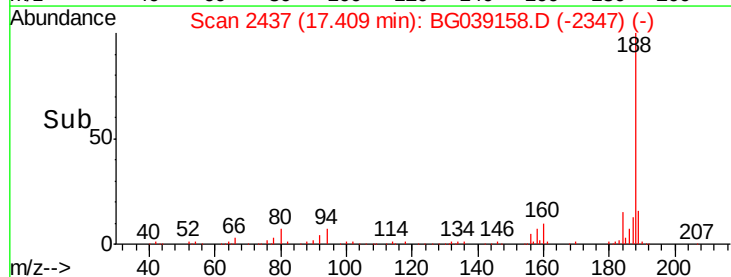
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.0	7.4
80	6.9	4.7	7.1

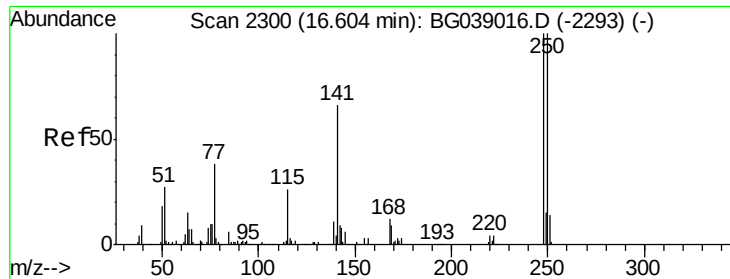


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

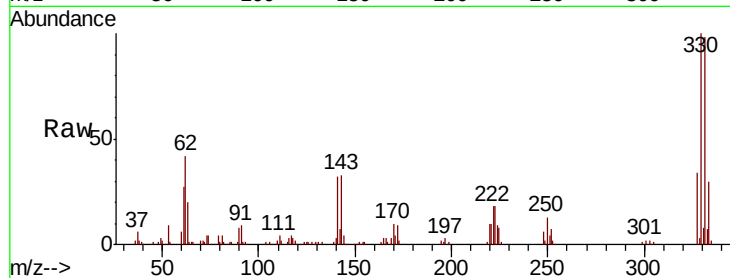




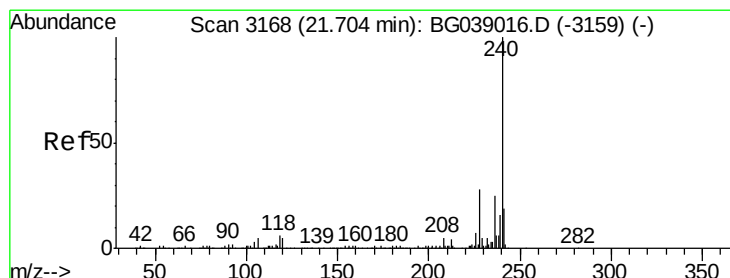
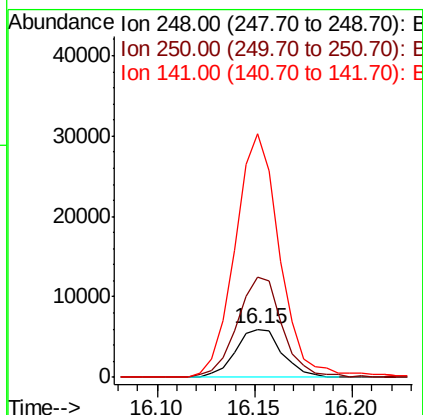
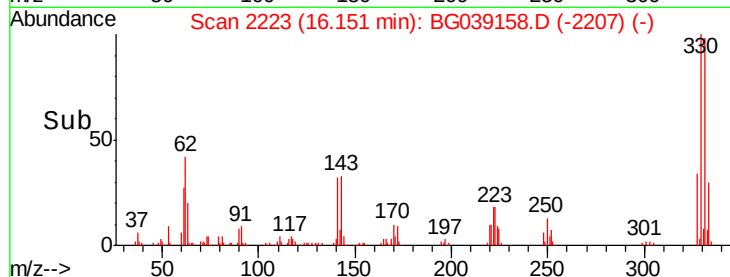
#67
 4-Bromophenyl-phenylether
 Concen: 3.850 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.44 min
 Lab File: BG039158.D
 Acq: 16 Jan 2019 15:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9844
 Ion Ratio Lower Upper
 248 100
 250 159.8 79.9 119.9#
 141 385.9 52.7 79.1#

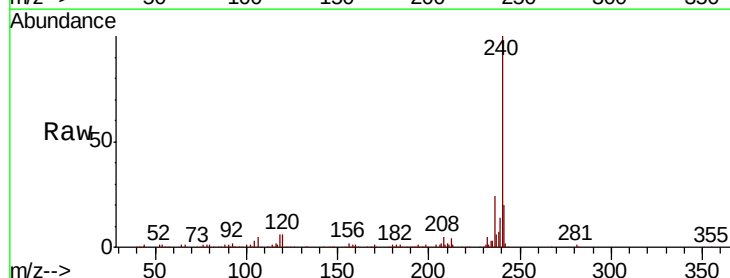


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

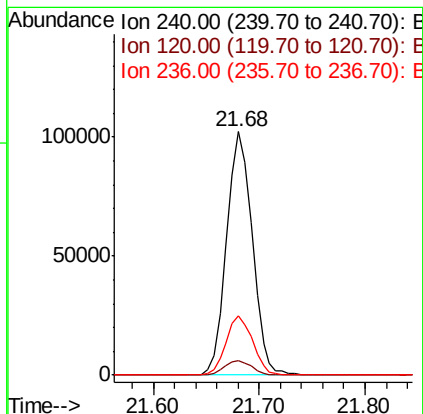
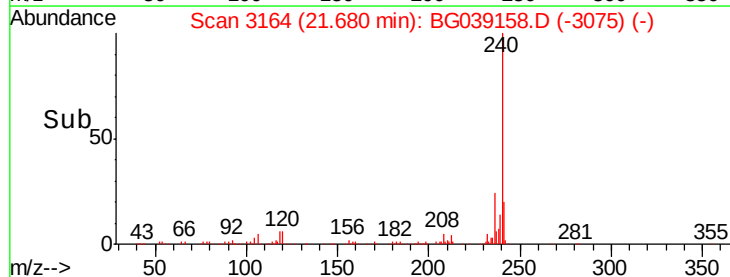


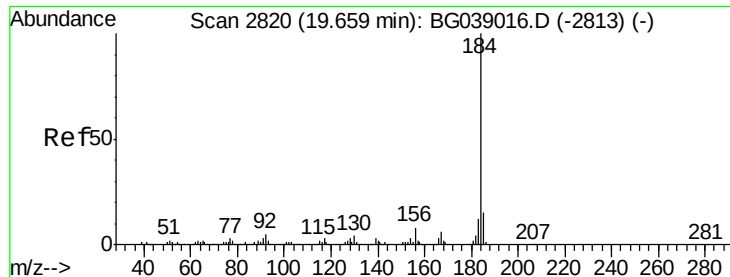
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.01 min
 Lab File: BG039158.D
 Acq: 16 Jan 2019 15:43

Tgt Ion:240 Resp: 172238
 Ion Ratio Lower Upper
 240 100
 120 6.0 4.3 6.5
 236 24.5 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: 2.718 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.36 min

Lab File: BG039158.D

Acq: 16 Jan 2019 15:43

Instrument :

BNA_G

ClientSampled :

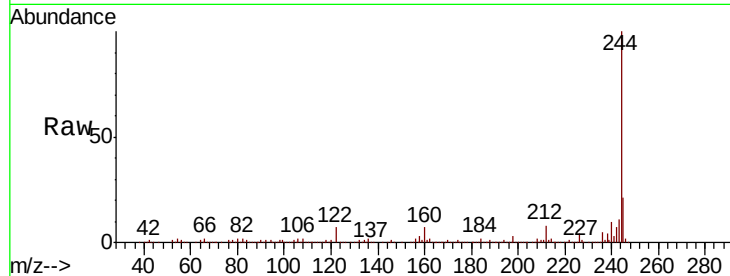
Tot Ion:184 Resp: 14321

Ion Ratio Lower Upper

184 100

185 16.7 12.1 18.1

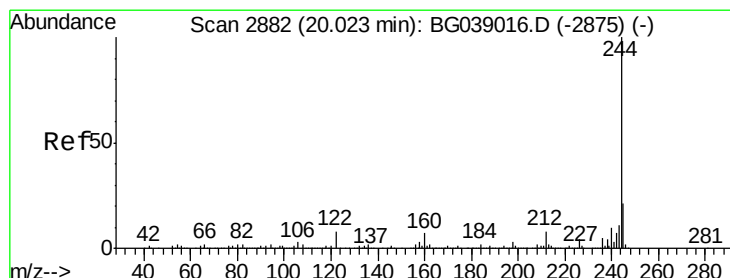
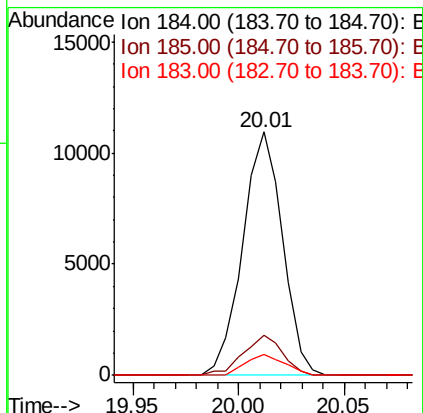
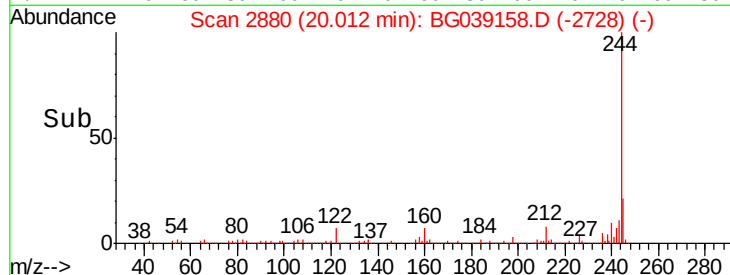
183 8.7 9.5 14.3#



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: 95.950 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG039158.D

Acq: 16 Jan 2019 15:43

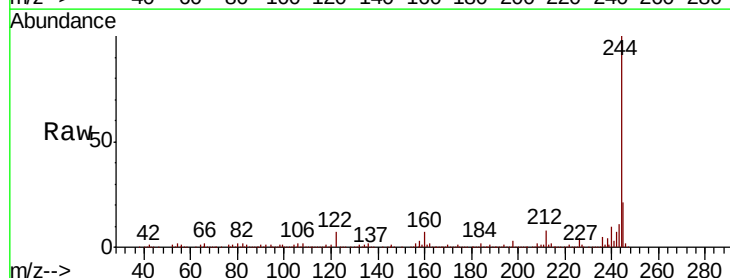
Tgt Ion:244 Resp: 893363

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

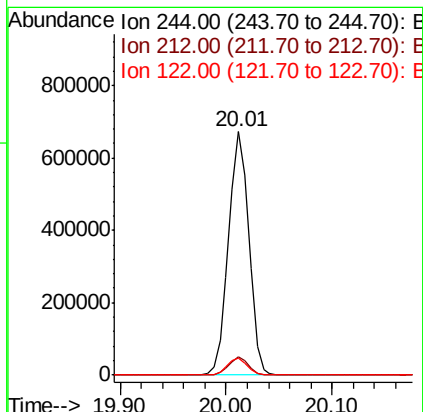
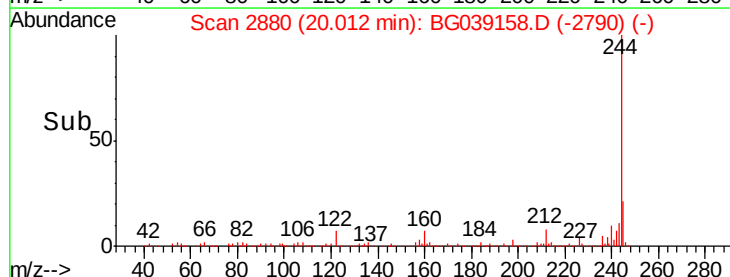
122 7.0 6.1 9.1

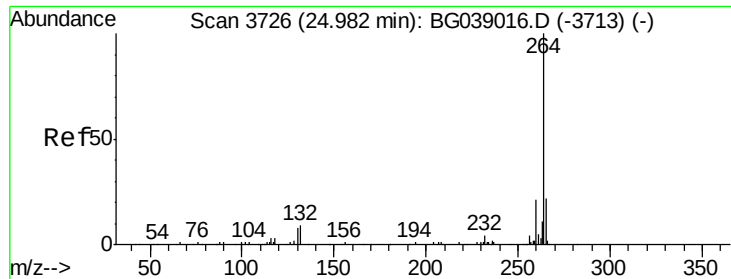


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

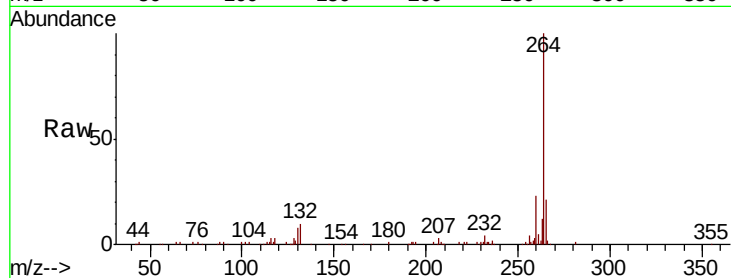




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.95 min Scan# 3721
Delta R.T. -0.00 min
Lab File: BG039158.D
Acq: 16 Jan 2019 15:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.0	25.6
265	21.0	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

