

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011719\
 Data File : BG039186.D
 Acq On : 17 Jan 2019 14:46
 Operator : JU/SJ
 Sample : PB116407BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116407BL

Quant Time: Jan 18 04:11:11 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 09 14:23:53 2019
 Response via : Initial Calibration

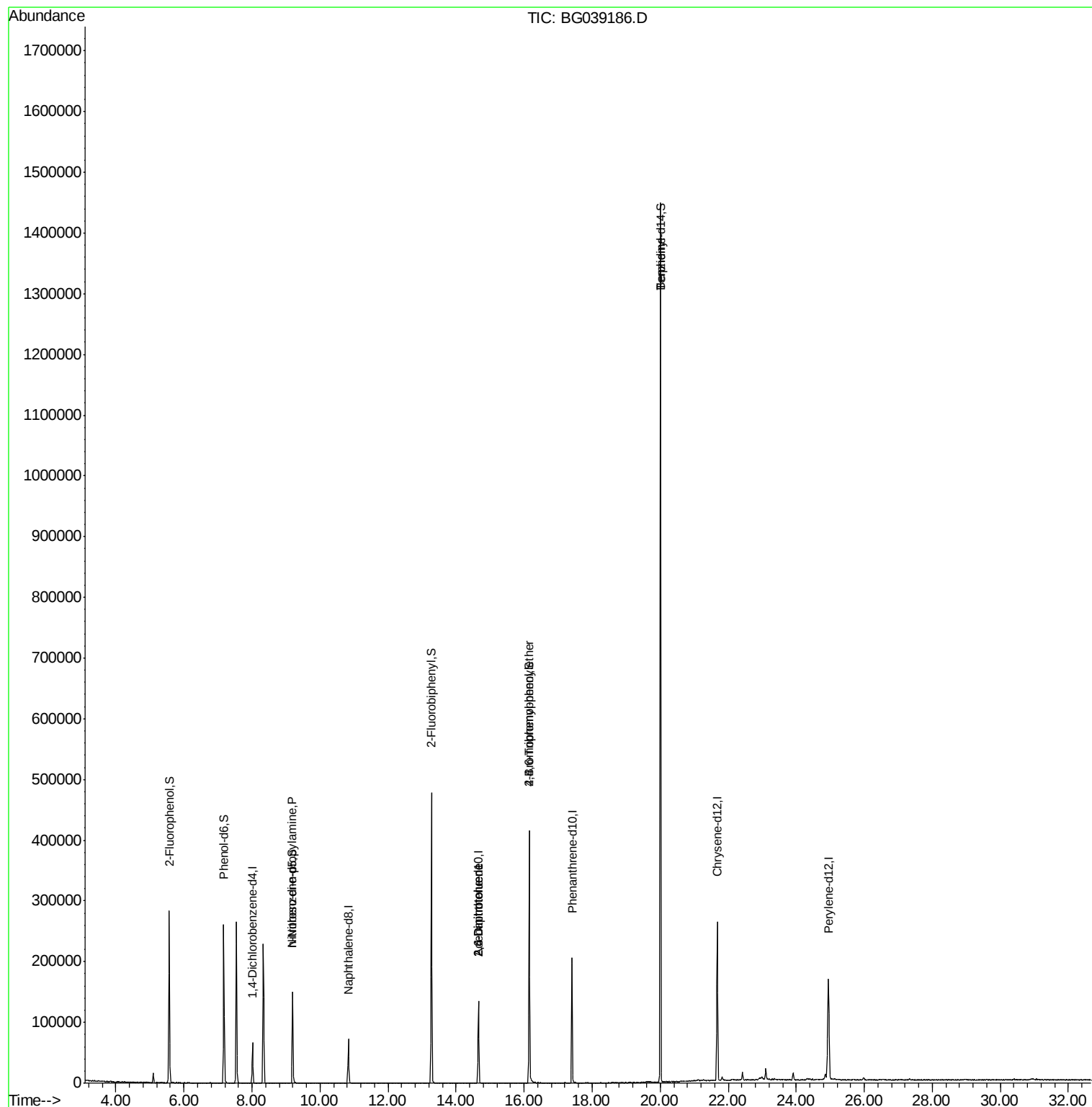
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	20006	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	70456	20.00	ng	-0.01
39) Acenaphthene-d10	14.66	164	50833	20.00	ng	-0.01
64) Phenanthrene-d10	17.41	188	144684	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	175876	20.00	ng	-0.03
87) Perylene-d12	24.94	264	210169	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	127186	120.60	ng	-0.01
7) Phenol-d6	7.17	99	154463	101.77	ng	-0.02
23) Nitrobenzene-d5	9.19	82	93352	72.50	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	95082	111.59	ng	-0.02
45) 2-Fluorobiphenyl	13.28	172	276744	74.51	ng	-0.01
79) Terphenyl-d14	20.01	244	735167	77.33	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	12242	12.283	ng	# 60
51) 2,6-Dinitrotoluene	14.66	165	6452	6.718	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	6452	4.683	ng	# 26
67) 4-Bromophenyl-phenylether	16.15	248	5977	3.214	ng	# 1
77) Benzidine	20.01	184	11117	2.067	ng	# 94

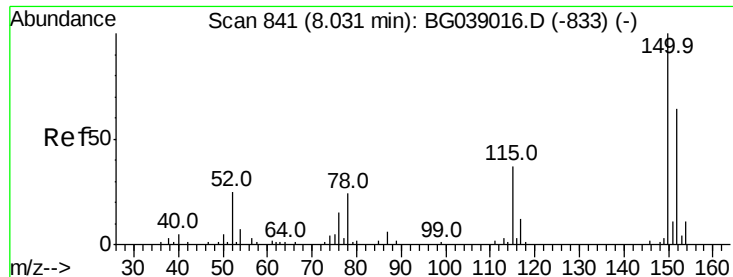
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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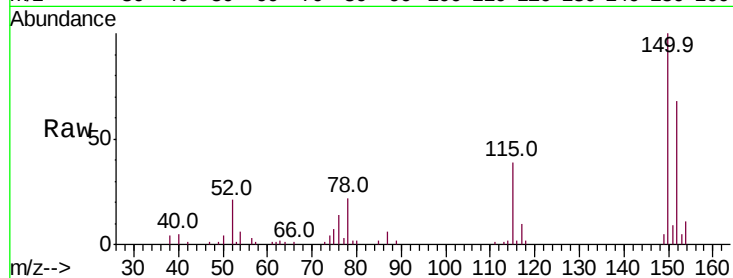


#1

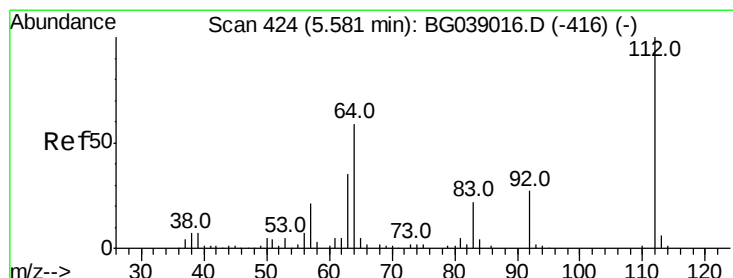
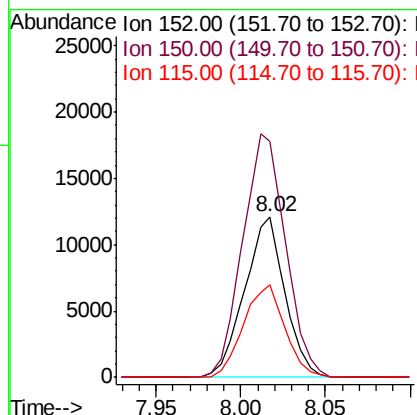
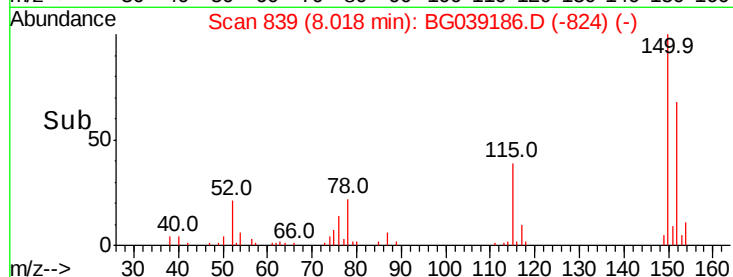
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG039186.D
Acq: 17 Jan 2019 14:46

Instrument :
BNA_G
ClientSampleId :
PB116407BL

Tot Ion:152 Resp: 20006
Ion Ratio Lower Upper
152 100
150 147.1 124.7 187.1
115 58.0 46.5 69.7



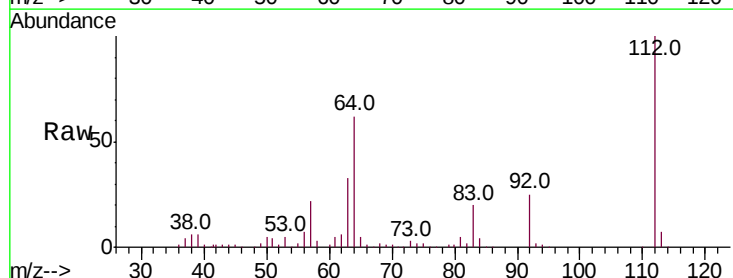
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



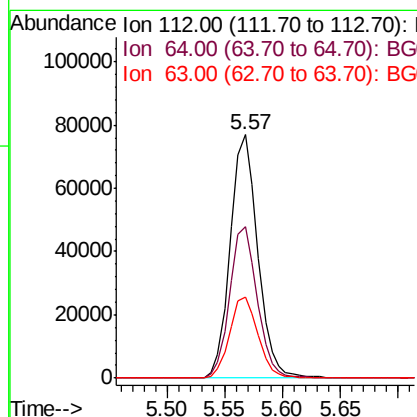
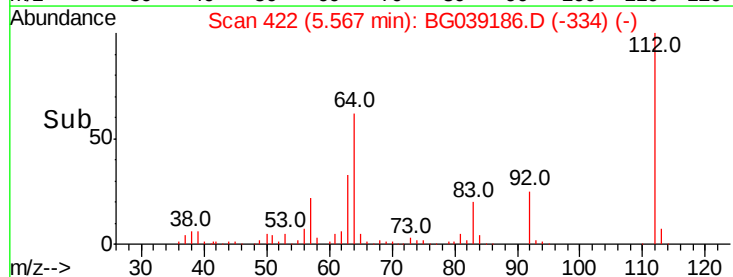
#5

2-Fluorophenol
Concen: 120.599 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.01 min
Lab File: BG039186.D
Acq: 17 Jan 2019 14:46

Tgt Ion:112 Resp: 127186
Ion Ratio Lower Upper
112 100
64 62.4 47.0 70.6
63 33.5 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: 101.772 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG039186.D

Acq: 17 Jan 2019 14:46

Instrument :

BNA_G

ClientSampleId :

PB116407BL

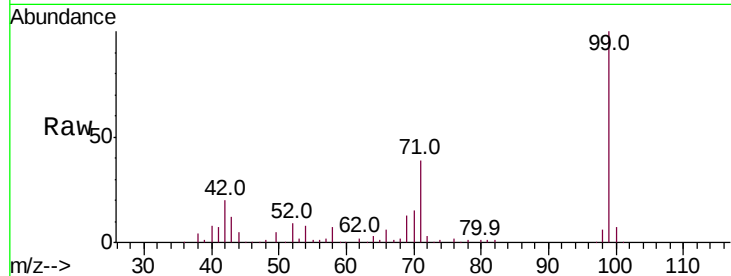
Tot Ion: 99 Resp: 154463

Ion Ratio Lower Upper

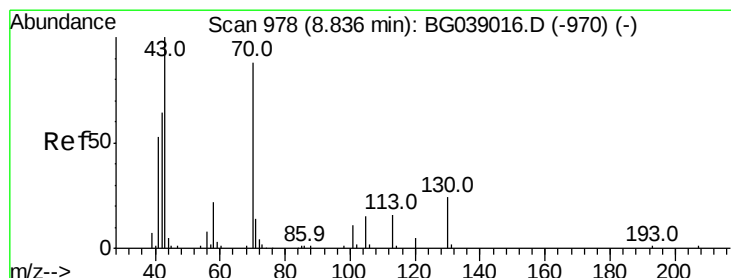
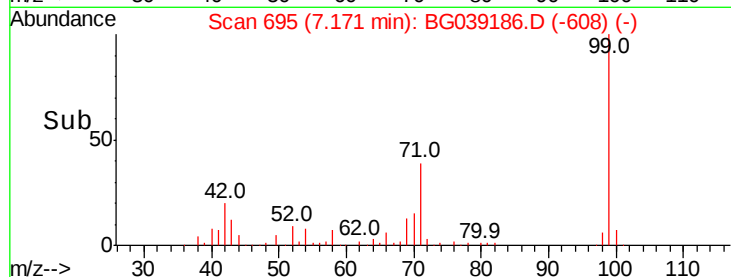
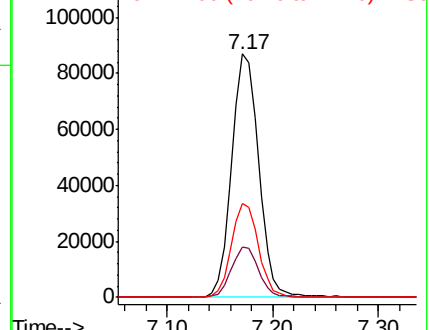
99 100

42 20.5 15.8 23.6

71 38.5 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: 12.283 ng

RT: 9.19 min Scan# 1039

Delta R.T. 0.36 min

Lab File: BG039186.D

Acq: 17 Jan 2019 14:46

Tgt Ion: 70 Resp: 12242

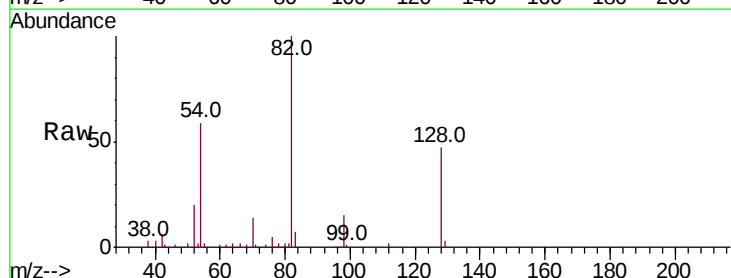
Ion Ratio Lower Upper

70 100

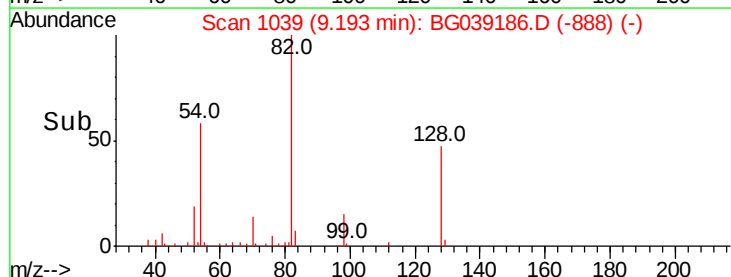
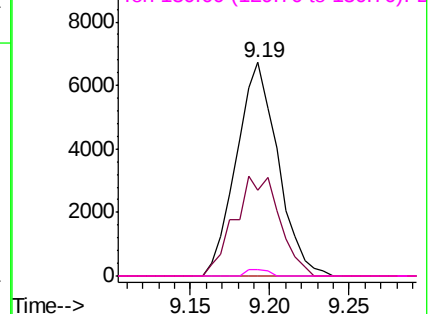
42 40.4 59.0 88.4#

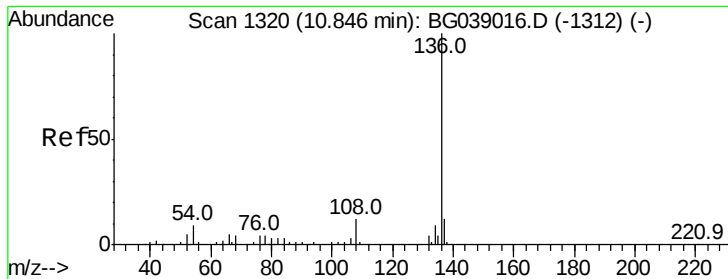
101 0.0 10.4 15.6#

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

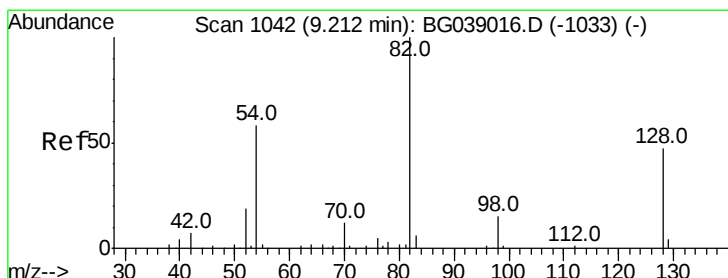
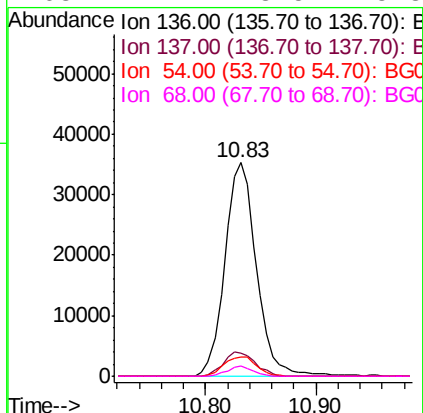
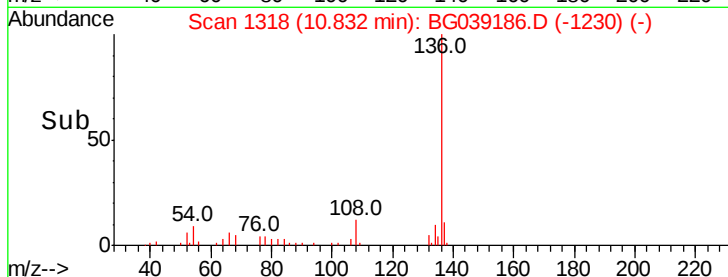
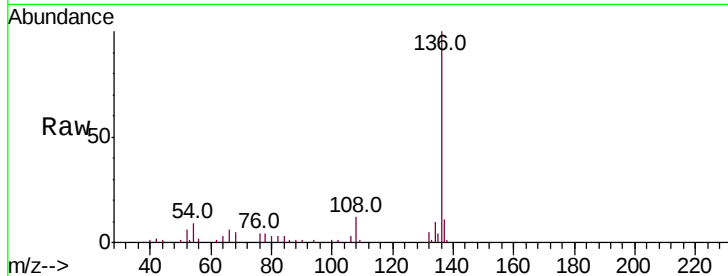




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG039186.D
Acq: 17 Jan 2019 14:46

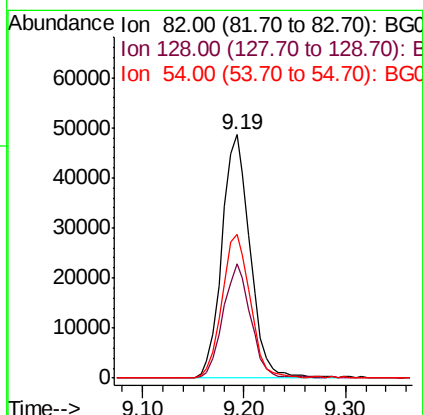
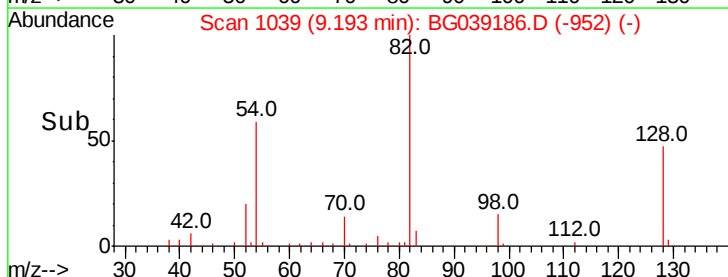
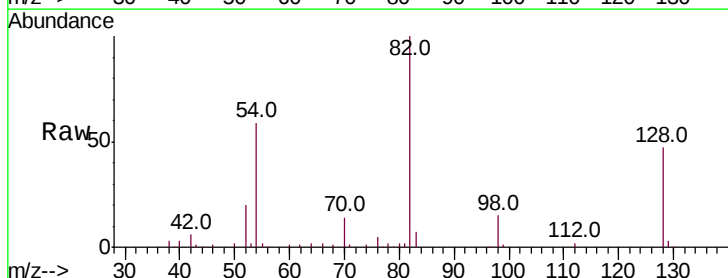
Instrument :
BNA_G
ClientSampleId :
PB116407BL

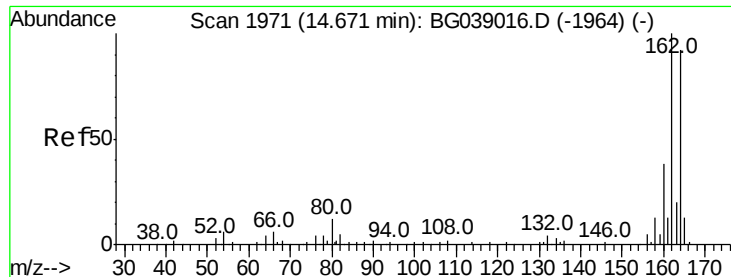
Tot Ion:136	Resp:	70456
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.4 14.2
54	8.7	7.2 10.8
68	4.7	3.5 5.3



#23
Nitrobenzene-d5
Concen: 72.502 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG039186.D
Acq: 17 Jan 2019 14:46

Tgt Ion: 82	Resp:	93352
Ion Ratio	Lower	Upper
82	100	
128	47.2	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. -0.01 min

Lab File: BG039186.D

Acq: 17 Jan 2019 14:46

Instrument :

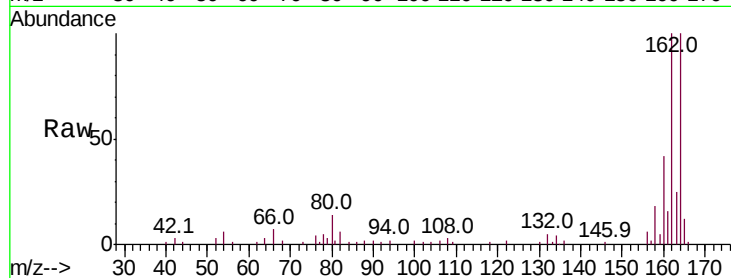
BNA_G

ClientSampleId :

PB116407BL

Tot Ion:164 Resp: 50833

Ion	Ratio	Lower	Upper
164	100		
162	100.1	87.2	130.8
160	42.1	33.3	49.9

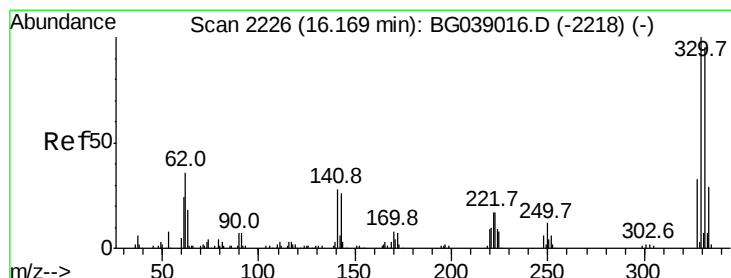
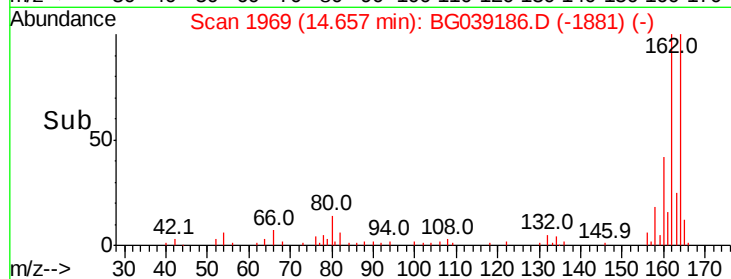
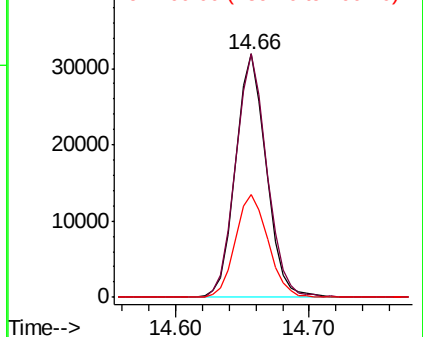


Abundance

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: 111.585 ng

RT: 16.15 min Scan# 2223

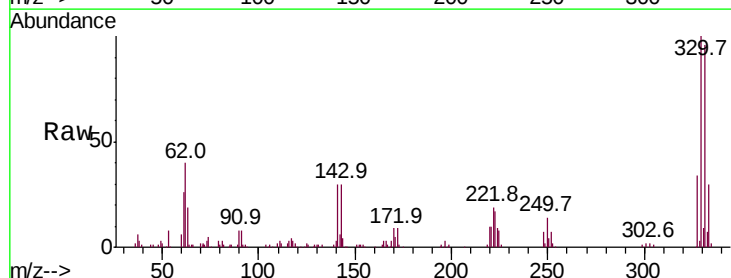
Delta R.T. -0.02 min

Lab File: BG039186.D

Acq: 17 Jan 2019 14:46

Tgt Ion:330 Resp: 95082

Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.7	113.5
141	31.0	24.9	37.3

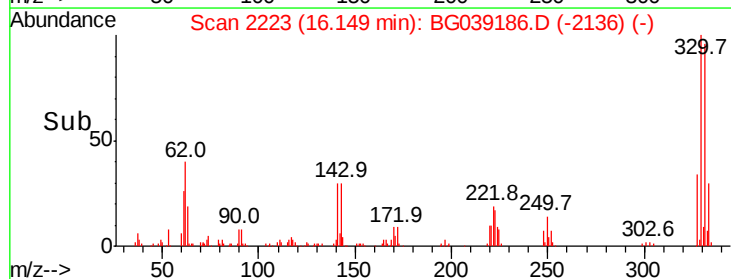
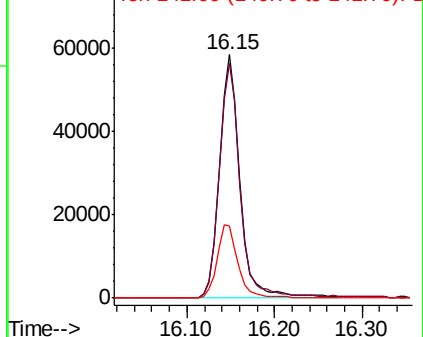


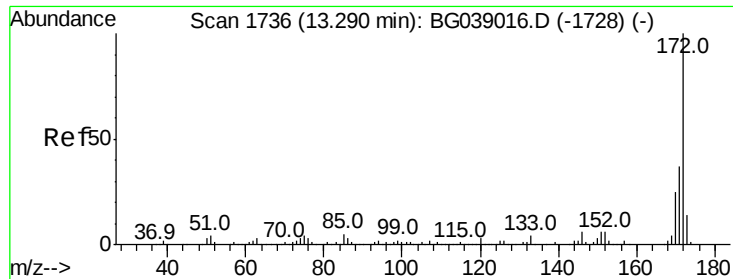
Abundance

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: 74.507 ng

RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG039186.D

Acq: 17 Jan 2019 14:46

Instrument :

BNA_G

ClientSampleId :

PB116407BL

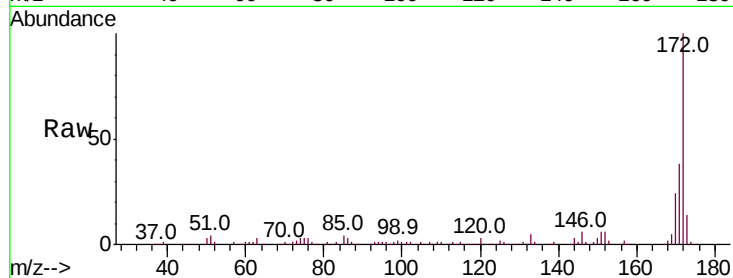
Tot Ion:172 Resp: 276744

Ion Ratio Lower Upper

172 100

171 37.7 29.4 44.0

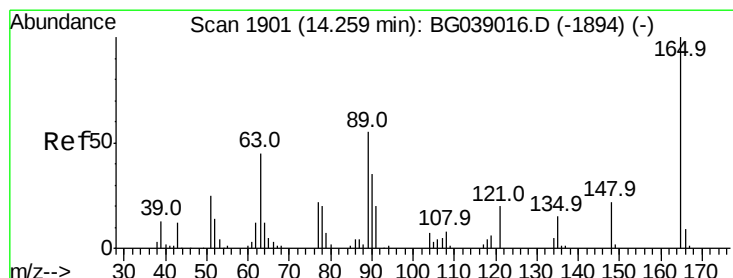
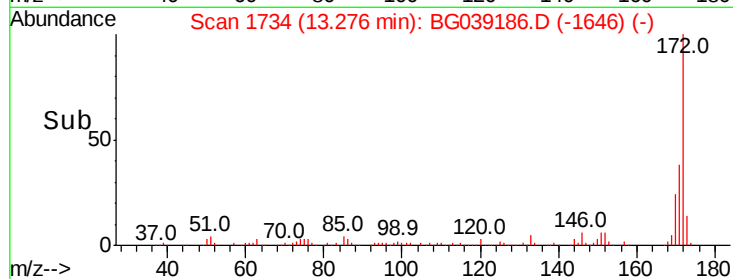
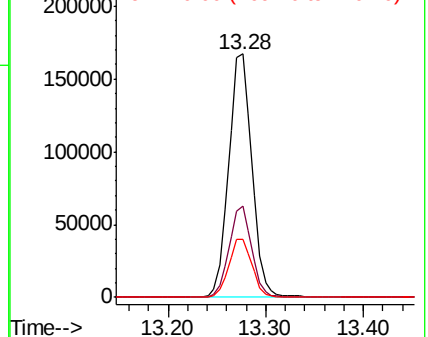
170 23.9 20.1 30.1



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: 6.718 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.40 min

Lab File: BG039186.D

Acq: 17 Jan 2019 14:46

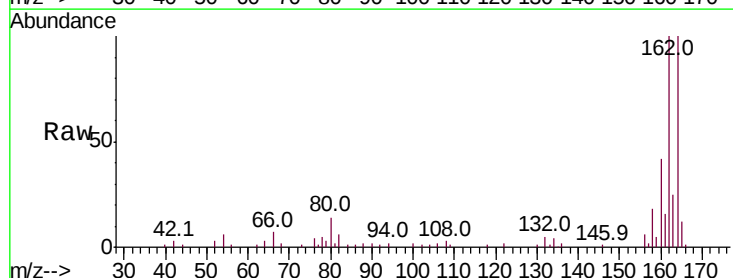
Tgt Ion:165 Resp: 6452

Ion Ratio Lower Upper

165 100

63 0.0 43.6 65.4#

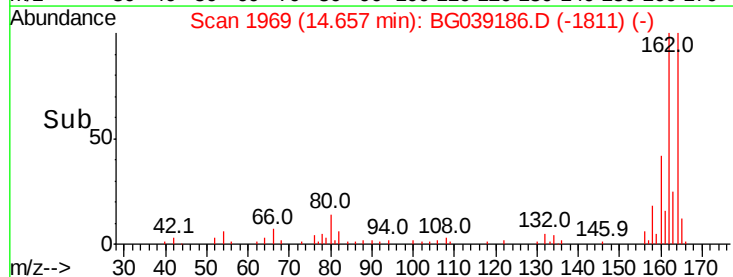
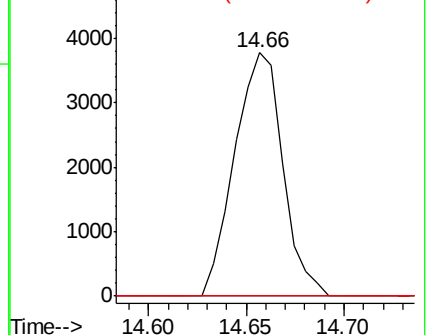
89 0.0 43.7 65.5#

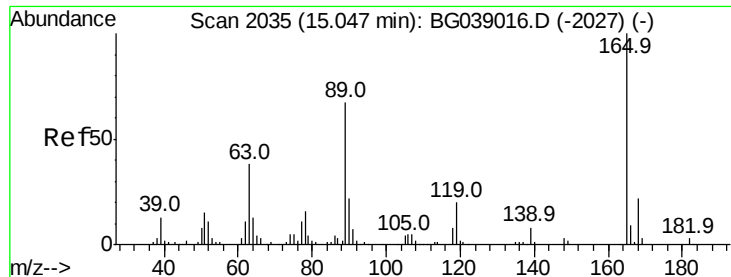


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

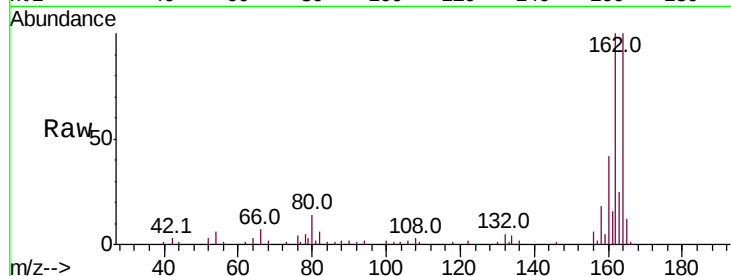




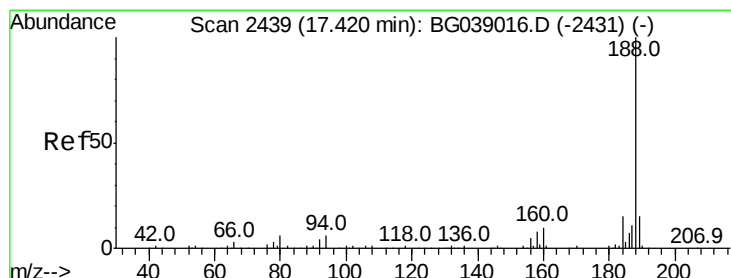
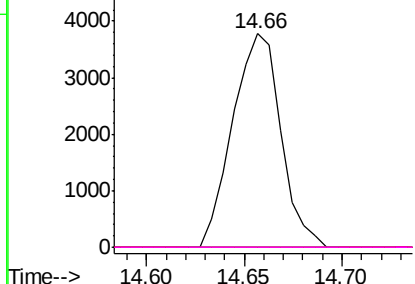
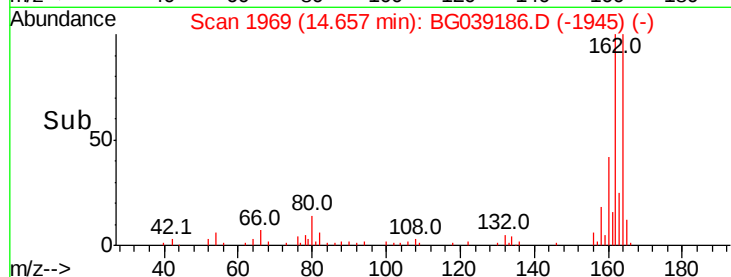
#57
 2,4-Dinitrotoluene
 Concen: 4.683 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.39 min
 Lab File: BG039186.D
 Acq: 17 Jan 2019 14:46

Instrument :
 BNA_G
 ClientSampleId :
 PB116407BL

Tot Ion:165 Resp: 6452
 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#

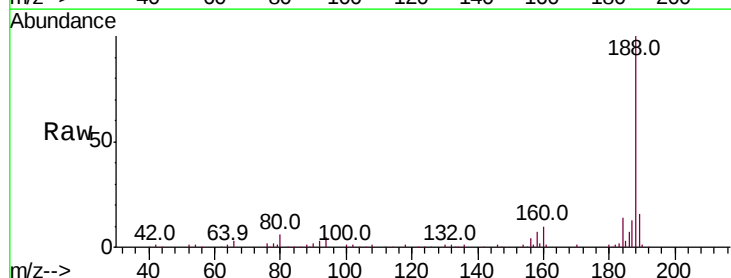


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

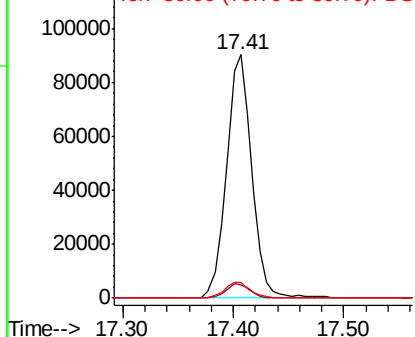
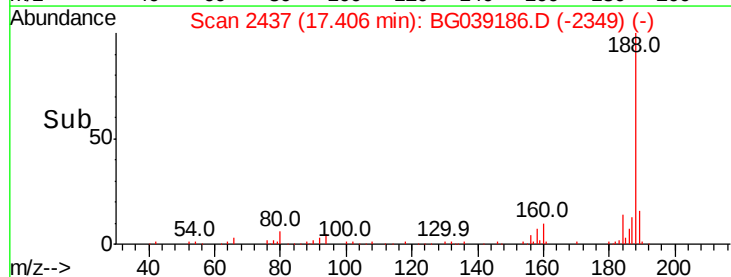


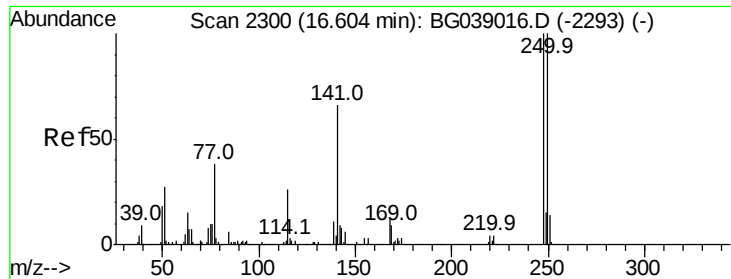
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG039186.D
 Acq: 17 Jan 2019 14:46

Tgt Ion:188 Resp: 144684
 Ion Ratio Lower Upper
 188 100
 94 5.4 5.0 7.4
 80 6.4 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

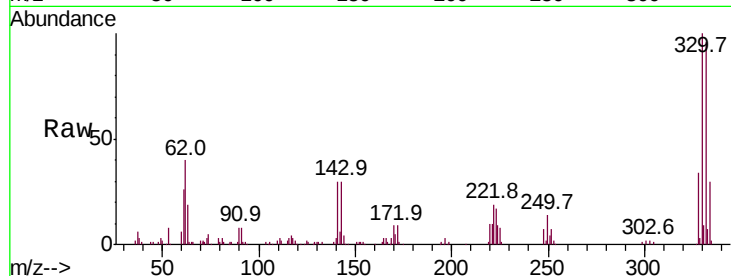




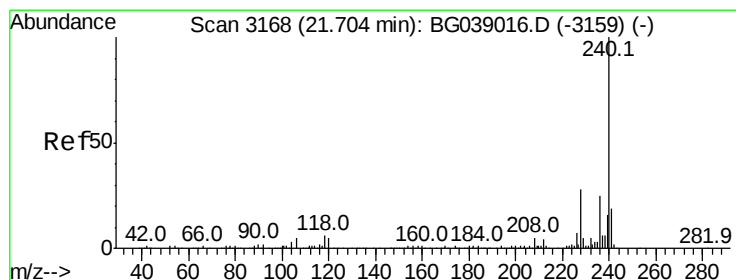
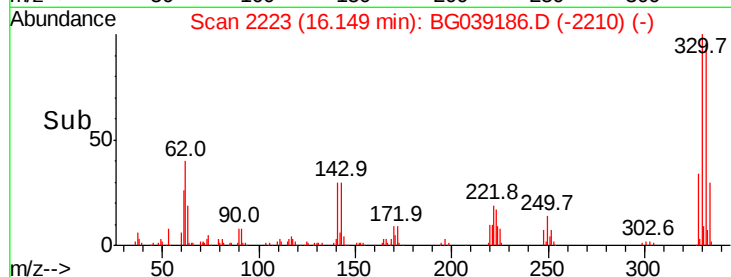
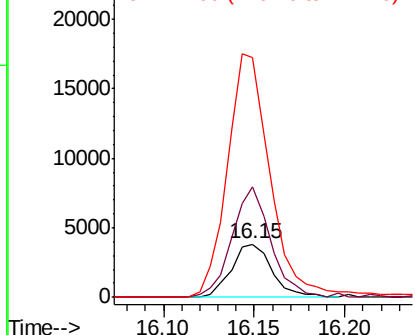
#67
4-Bromophenyl-phenylether
Concen: 3.214 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.45 min
Lab File: BG039186.D
Acq: 17 Jan 2019 14:46

Instrument :
BNA_G
ClientSampleId :
PB116407BL

Tot Ion:248 Resp: 5977
Ion Ratio Lower Upper
248 100
250 204.1 79.9 119.9#
141 337.0 52.7 79.1#

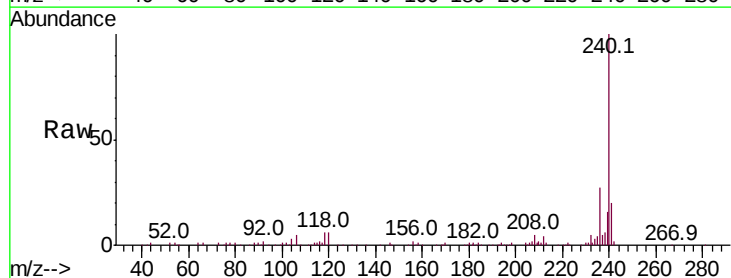


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

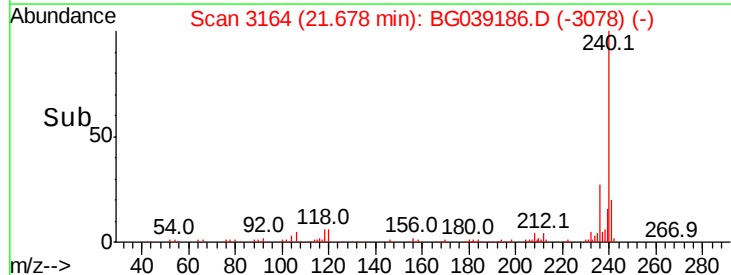
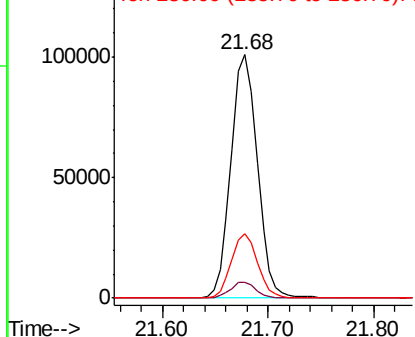


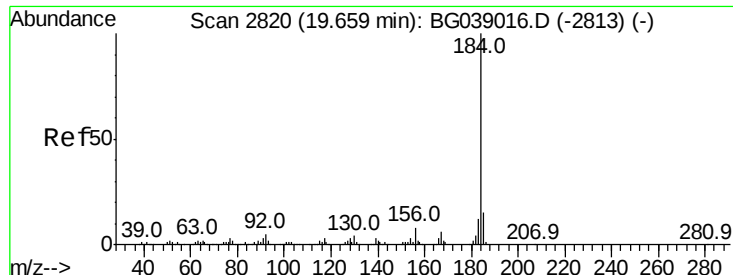
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.03 min
Lab File: BG039186.D
Acq: 17 Jan 2019 14:46

Tgt Ion:240 Resp: 175876
Ion Ratio Lower Upper
240 100
120 6.4 4.3 6.5
236 26.6 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: 2.067 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.35 min

Lab File: BG039186.D

Acq: 17 Jan 2019 14:46

Instrument :

BNA_G

ClientSampleId :

PB116407BL

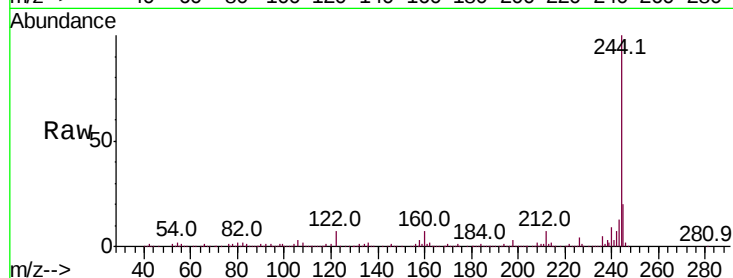
Tot Ion:184 Resp: 11117

Ion Ratio Lower Upper

184 100

185 16.7 12.1 18.1

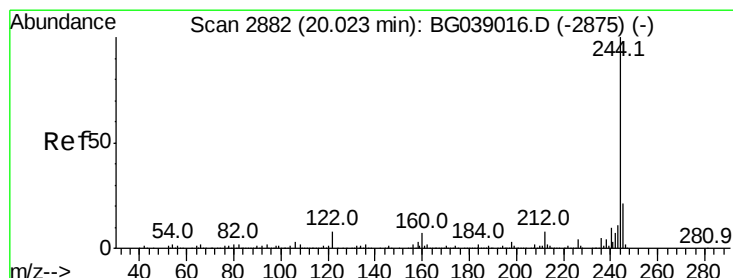
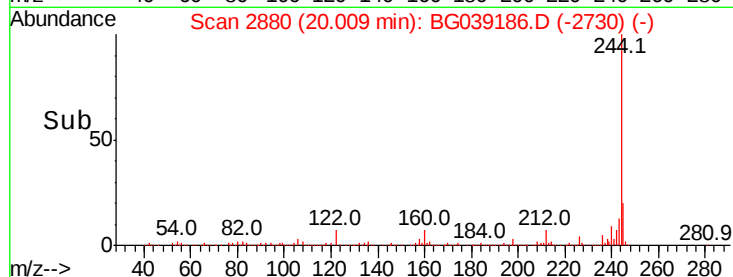
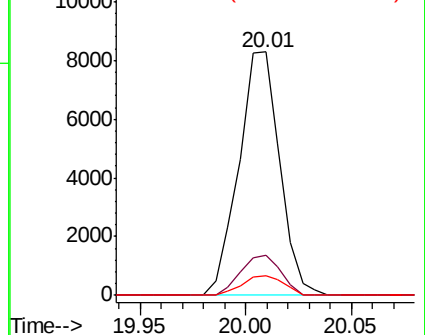
183 8.1 9.5 14.3#



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: 77.326 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG039186.D

Acq: 17 Jan 2019 14:46

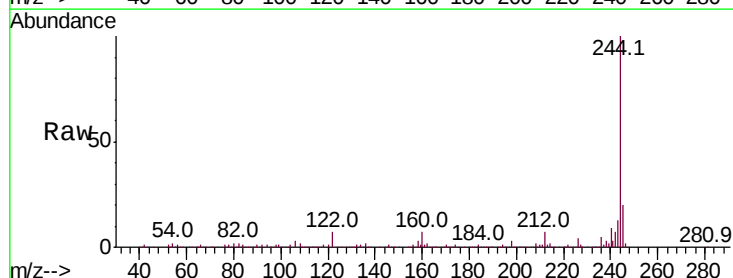
Tgt Ion:244 Resp: 735167

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

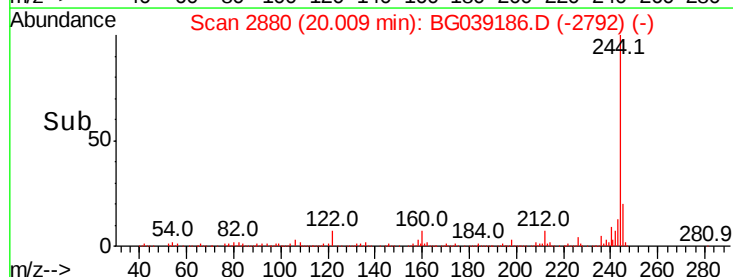
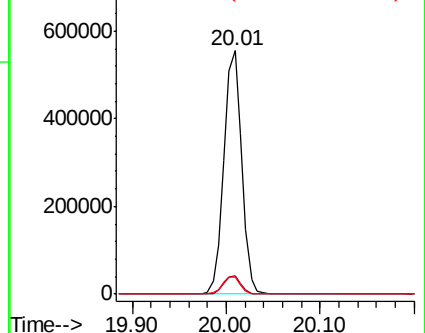
122 7.2 6.1 9.1

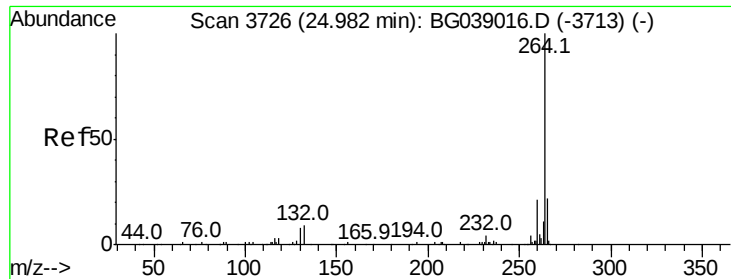


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

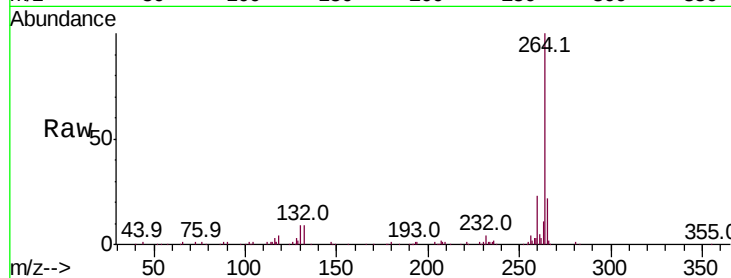




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3720
Delta R.T. -0.04 min
Lab File: BG039186.D
Acq: 17 Jan 2019 14:46

Instrument :
BNA_G
ClientSampleId :
PB116407BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.0	25.6
265	21.6	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

