

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021919\
 Data File : BG039560.D
 Acq On : 19 Feb 2019 18:24
 Operator : JU/SJ
 Sample : PB117212BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117212BL

Quant Time: Feb 19 23:51:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

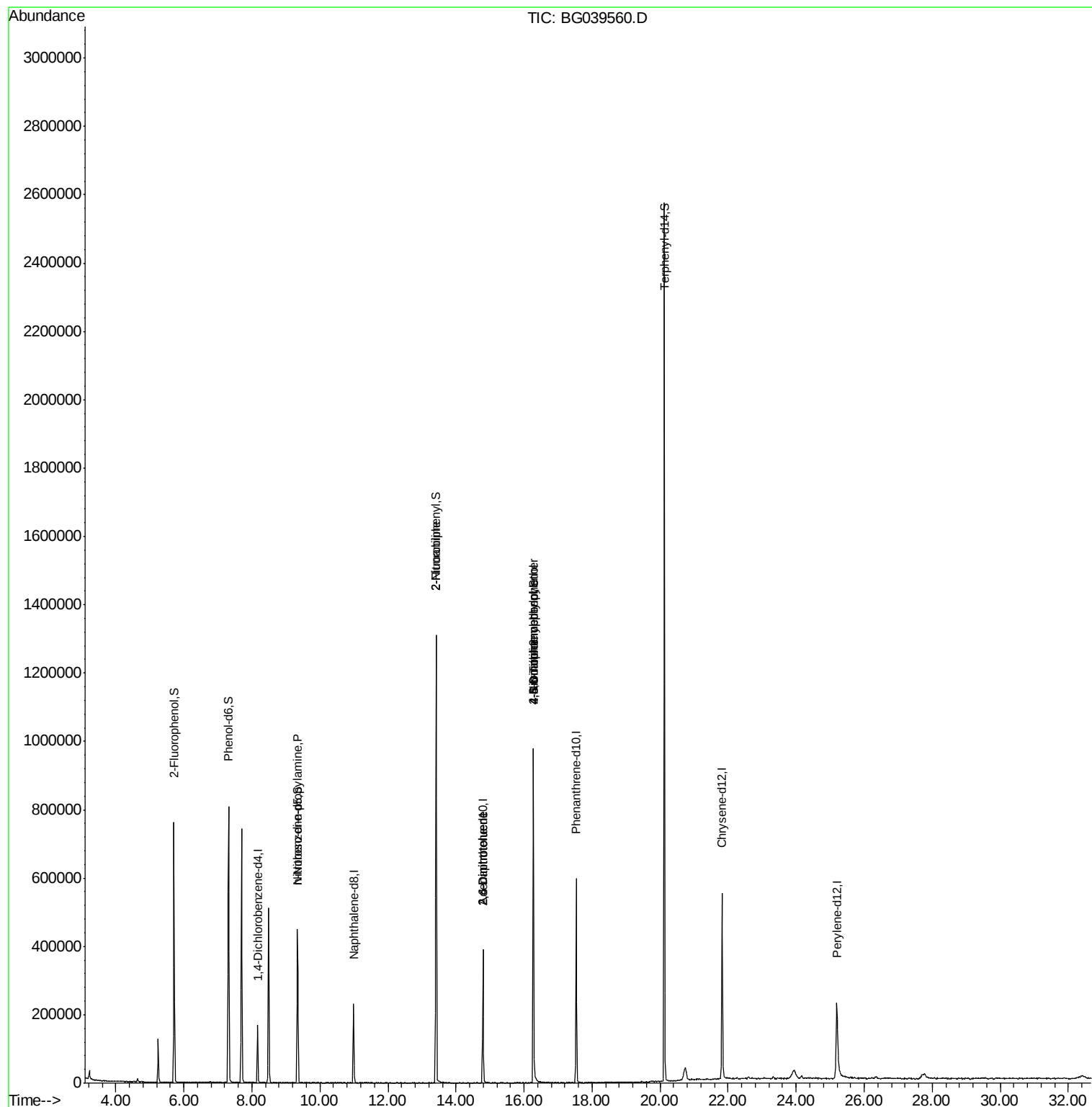
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	44605	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	198720	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	144623	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	365300	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	373284	20.00	ng	-0.02
87) Perylene-d12	25.20	264	327483	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	322134	123.60	ng	0.00
7) Phenol-d6	7.31	99	476158	124.12	ng	0.00
23) Nitrobenzene-d5	9.34	82	271211	85.26	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	184401	118.41	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	712921	70.72	ng	-0.02
79) Terphenyl-d14	20.13	244	1216772	69.00	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	790	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propylamine	9.34	70	33034	12.132 ng	#	73
48) 2-Nitroaniline	13.41	65	1008	8.617 ng	#	1
51) 2,6-Dinitrotoluene	14.79	165	18260	13.781 ng	#	22
57) 2,4-Dinitrotoluene	14.79	165	18260	13.291 ng	#	17
62) 4-Nitroaniline	16.27	138	110	4.244 ng	#	1
65) 4,6-Dinitro-2-methylphenol	16.27	198	473	4.589 ng	#	1
67) 4-Bromophenyl-phenylether	16.27	248	13480	3.326 ng	#	1

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

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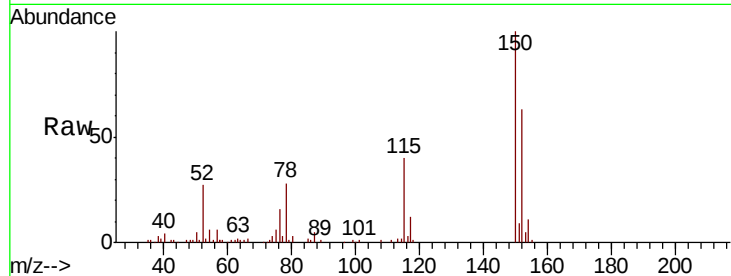


#1

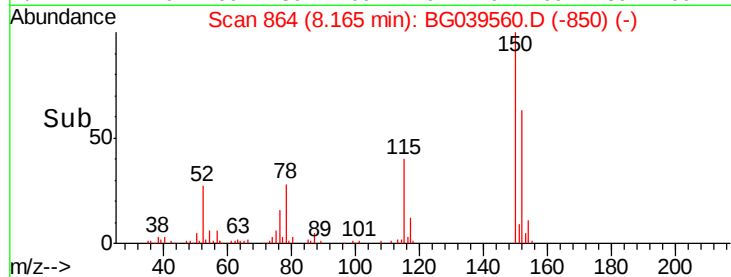
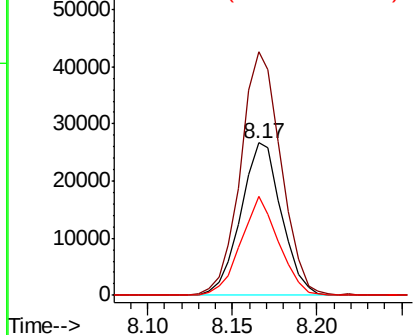
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039560.D
Acq: 19 Feb 2019 18:24

Instrument :
BNA_G
ClientSampleId :
PB117212BL

Tgt Ion:152 Resp: 44605
Ion Ratio Lower Upper
152 100
150 159.5 123.7 185.5
115 64.5 45.9 68.9



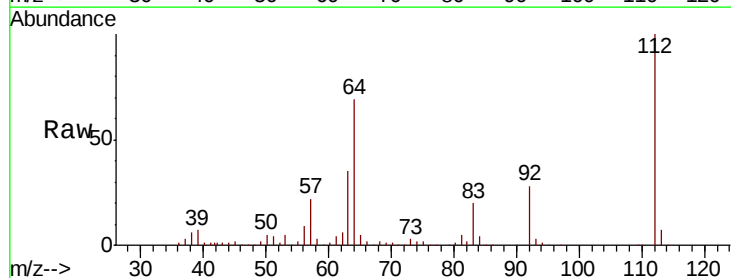
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



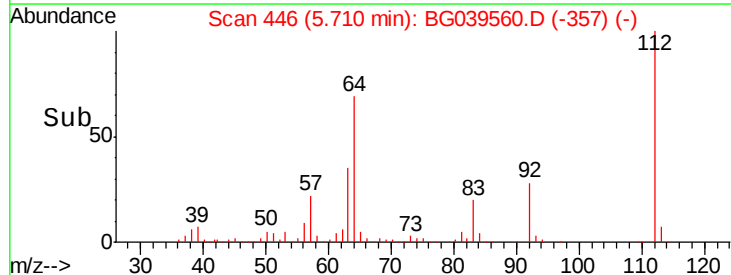
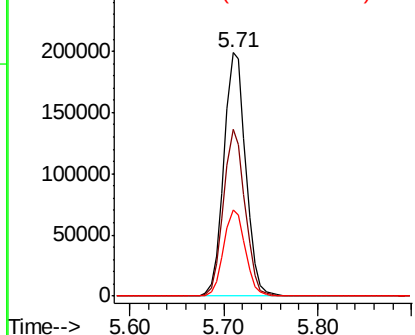
#5

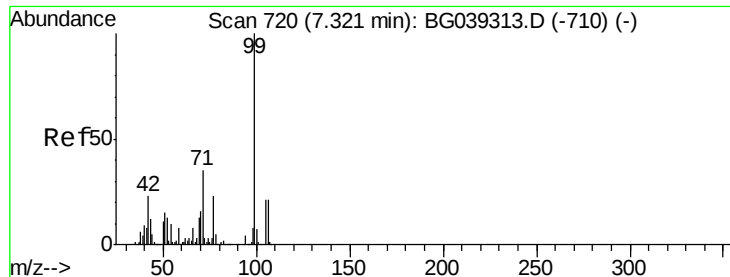
2-Fluorophenol
Concen: 123.604 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039560.D
Acq: 19 Feb 2019 18:24

Tgt Ion:112 Resp: 322134
Ion Ratio Lower Upper
112 100
64 68.5 57.8 86.8
63 35.1 29.8 44.6



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: 124.122 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039560.D

Acq: 19 Feb 2019 18:24

Instrument :

BNA_G

ClientSampleId :

PB117212BL

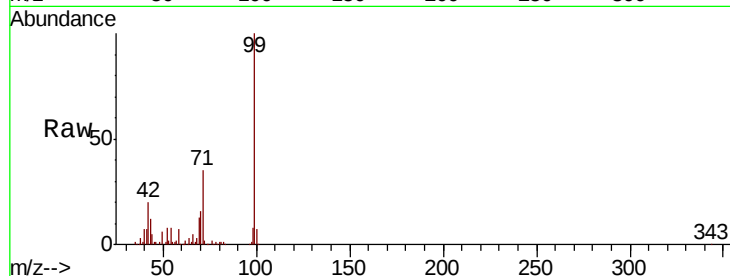
Tgt Ion: 99 Resp: 476158

Ion Ratio Lower Upper

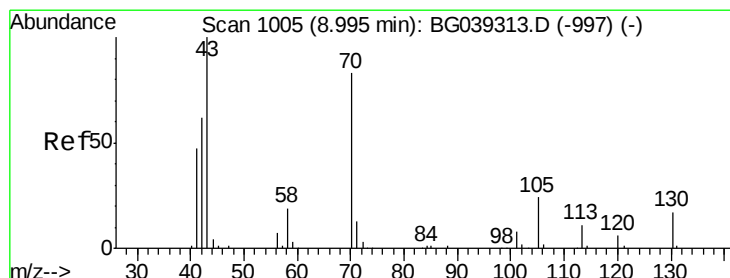
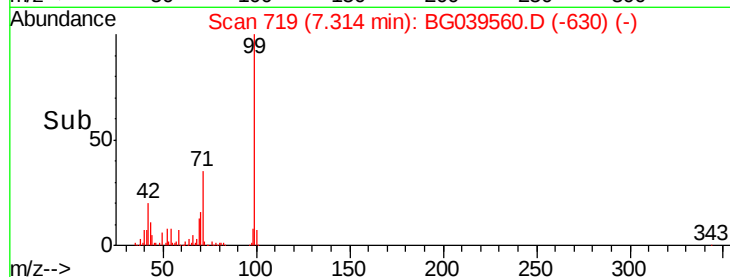
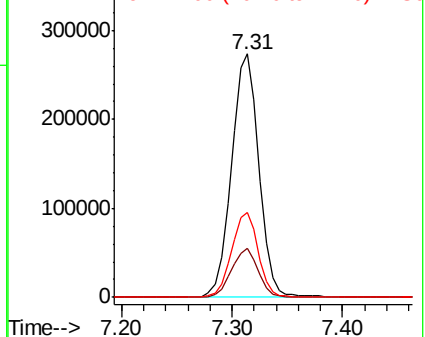
99 100

42 20.2 18.2 27.2

71 34.8 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: 12.132 ng

RT: 9.34 min Scan# 1064

Delta R.T. 0.35 min

Lab File: BG039560.D

Acq: 19 Feb 2019 18:24

Tgt Ion: 70 Resp: 33034

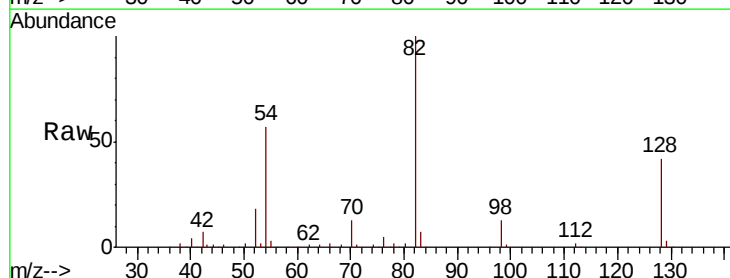
Ion Ratio Lower Upper

70 100

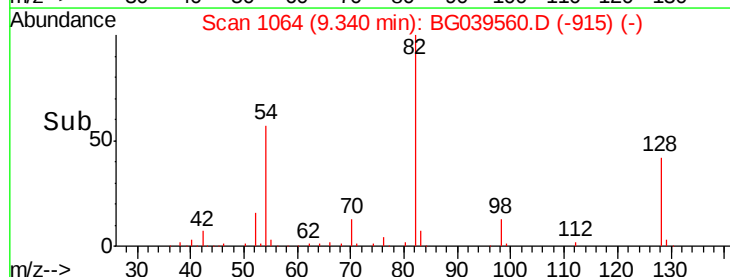
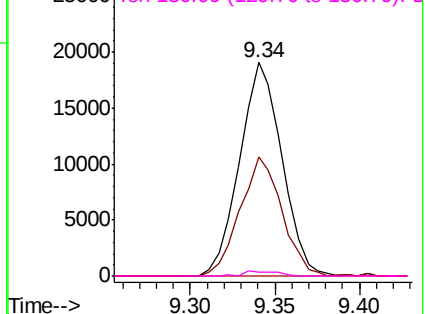
42 55.8 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 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

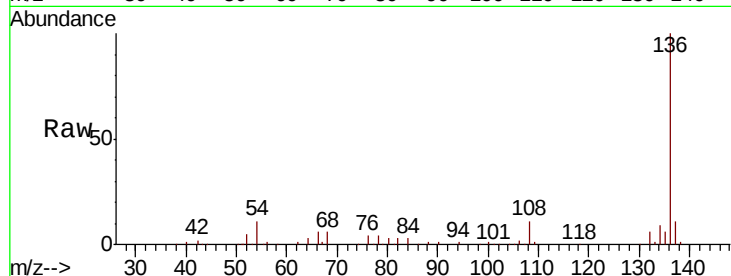




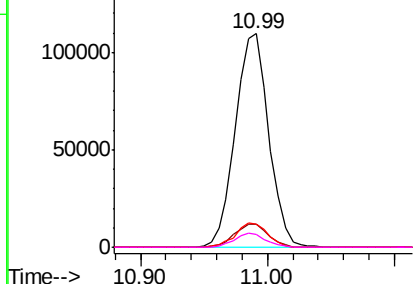
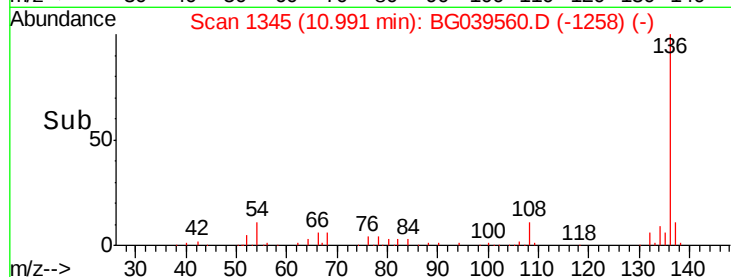
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039560.D
Acq: 19 Feb 2019 18:24

Instrument :
BNA_G
ClientSampleId :
PB117212BL

Tgt Ion:	136	Resp:	198720
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	10.5	9.4	14.2
68	5.9	4.2	6.4

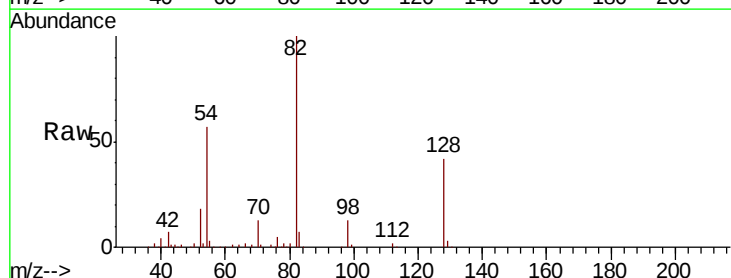


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

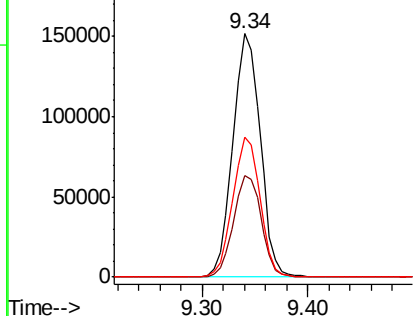
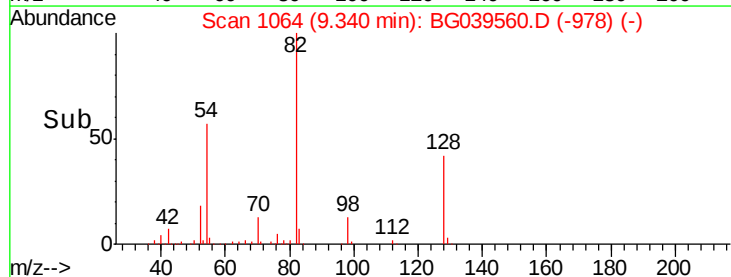


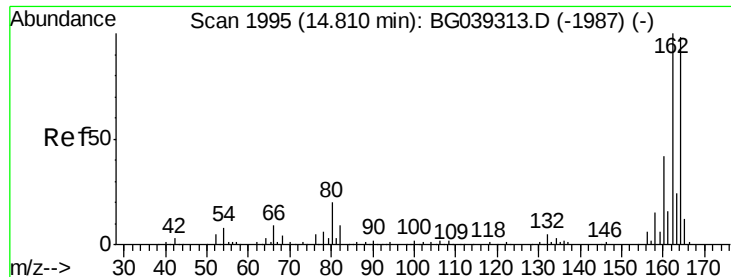
#23
Nitrobenzene-d5
Concen: 85.261 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BG039560.D
Acq: 19 Feb 2019 18:24

Tgt Ion:	82	Resp:	271211
Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.3	46.9
54	57.4	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. -0.02 min

Lab File: BG039560.D

Acq: 19 Feb 2019 18:24

Instrument :

BNA_G

ClientSampleId :

PB117212BL

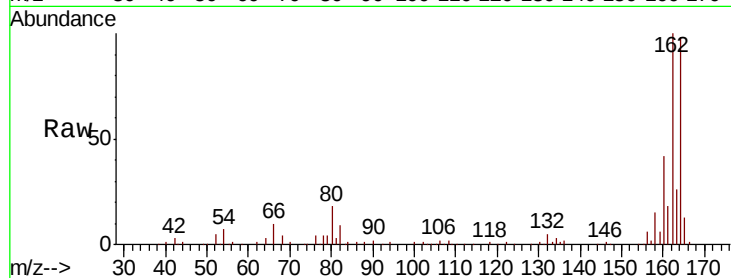
Tgt Ion:164 Resp: 144623

Ion Ratio Lower Upper

164 100

162 102.4 81.6 122.4

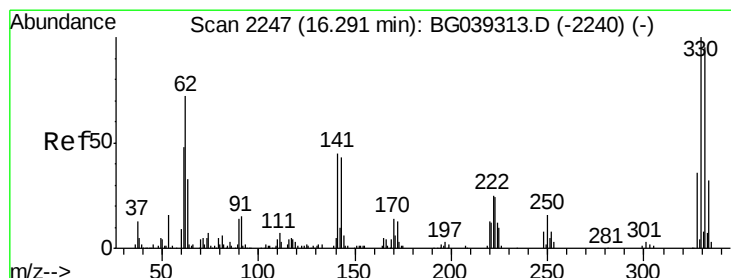
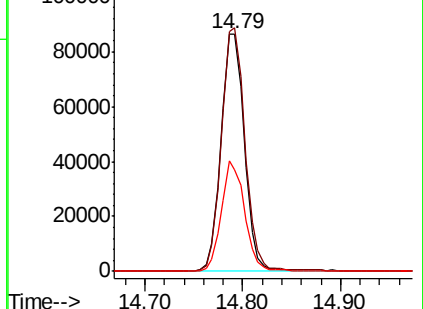
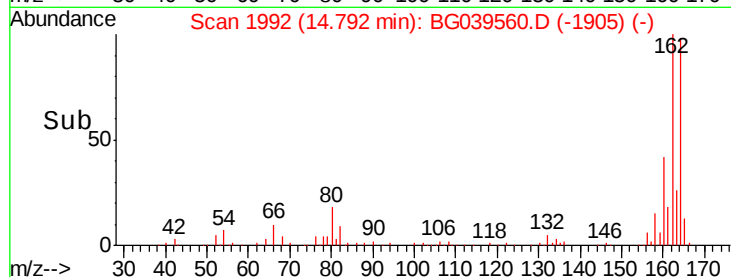
160 42.8 34.2 51.2



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: 118.408 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039560.D

Acq: 19 Feb 2019 18:24

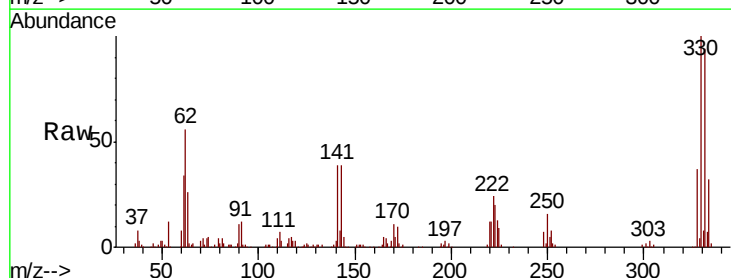
Tgt Ion:330 Resp: 184401

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

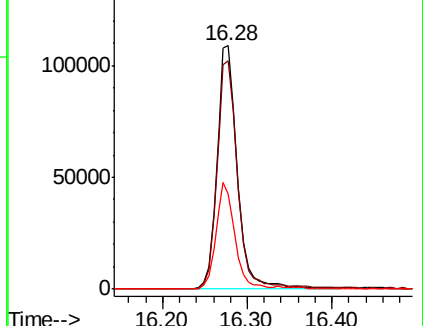
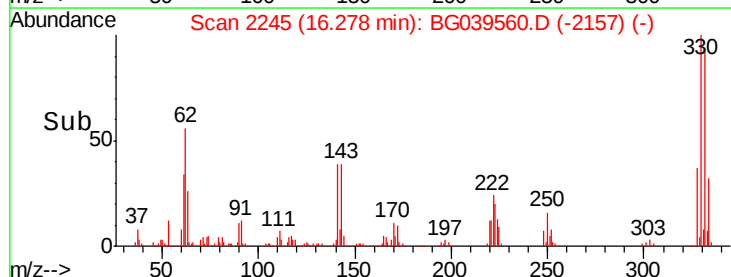
141 40.5 35.6 53.4

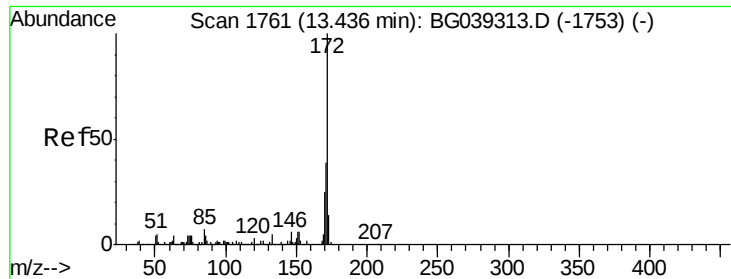


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 70.716 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.02 min

Lab File: BG039560.D

Acq: 19 Feb 2019 18:24

Instrument :

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ClientSampleId :

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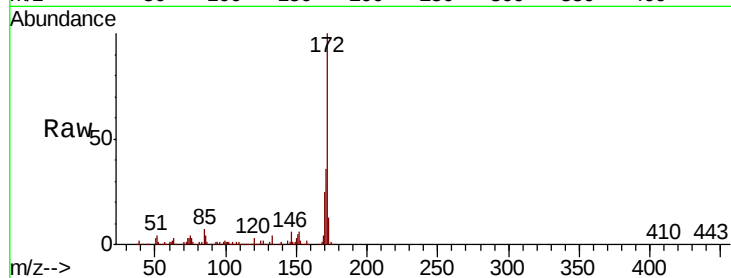
Tgt Ion: 172 Resp: 712921

Ion Ratio Lower Upper

172 100

171 36.3 30.8 46.2

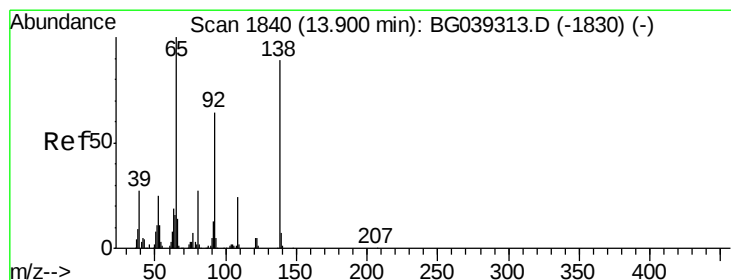
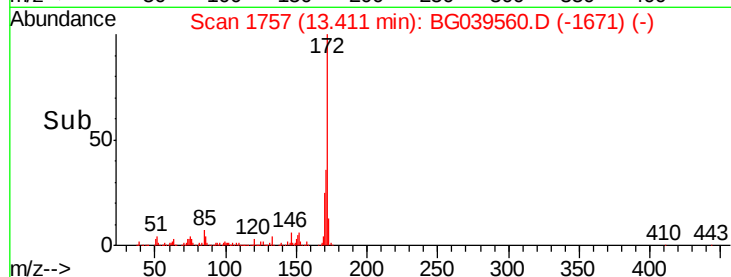
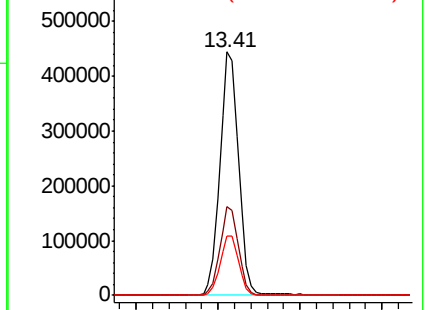
170 24.5 20.2 30.4



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



#48

2-Nitroaniline

Concen: 8.617 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.49 min

Lab File: BG039560.D

Acq: 19 Feb 2019 18:24

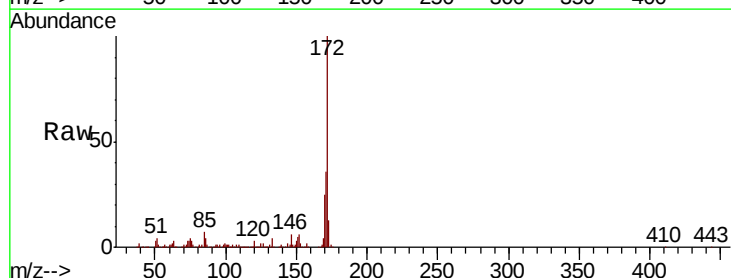
Tgt Ion: 65 Resp: 1008

Ion Ratio Lower Upper

65 100

92 369.0 51.4 77.2#

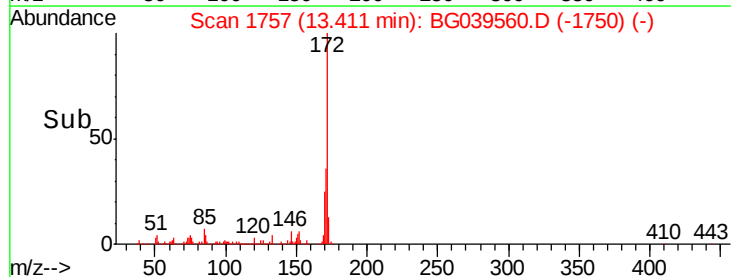
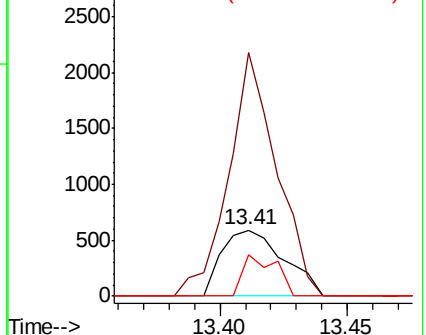
138 62.7 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

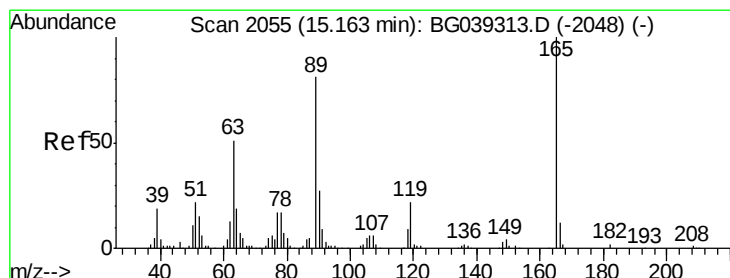
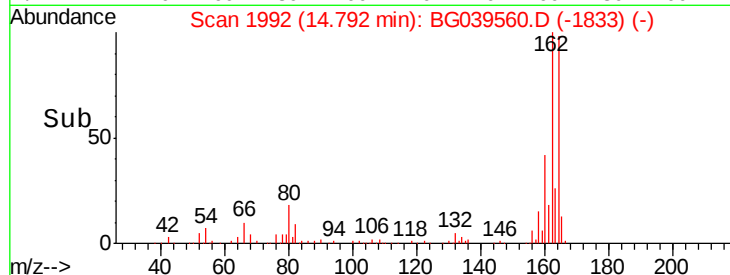
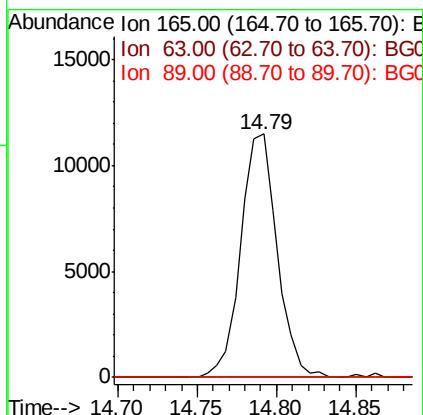
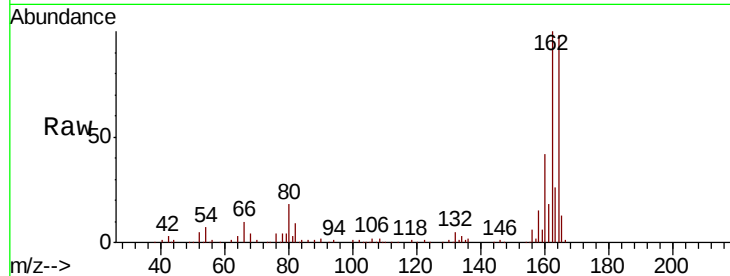




#51
 2,6-Dinitrotoluene
 Concen: 13.781 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039560.D
 Acq: 19 Feb 2019 18:24

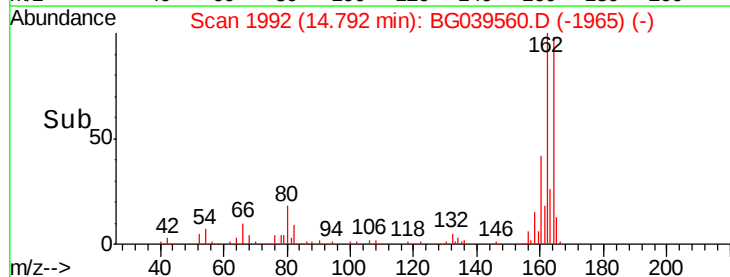
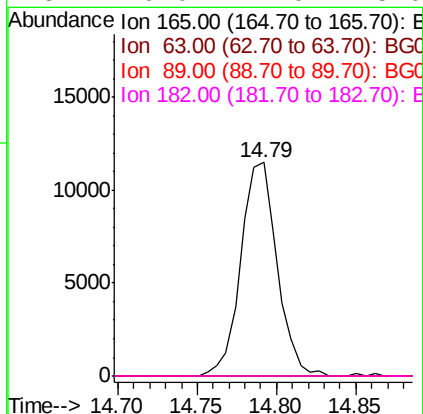
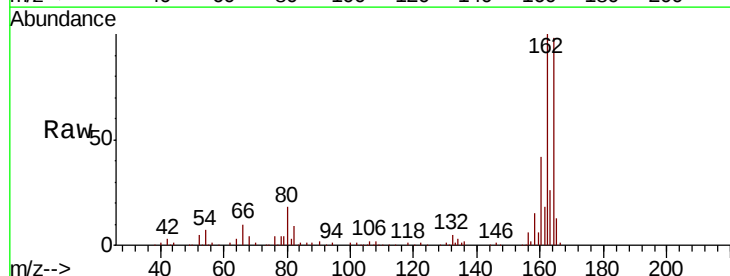
Instrument :
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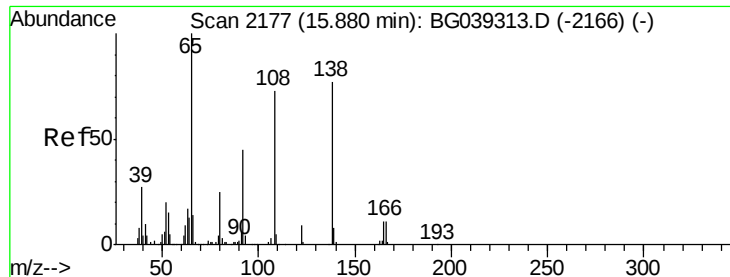
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.0	70.6#
89	0.0	45.8	68.8#



#57
 2,4-Dinitrotoluene
 Concen: 13.291 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039560.D
 Acq: 19 Feb 2019 18:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#





#62

4-Nitroaniline

Concen: 4.244 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.39 min

Lab File: BG039560.D

Acq: 19 Feb 2019 18:24

Instrument :

BNA_G

ClientSampleId :

PB117212BL

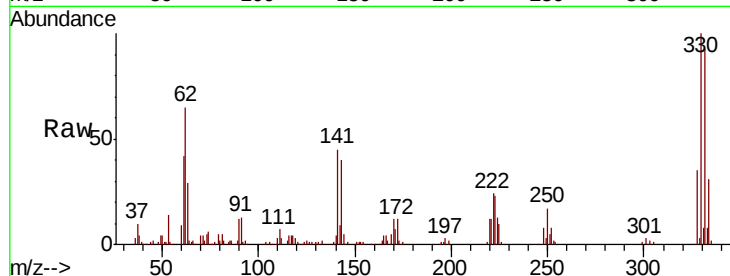
Tgt Ion:138 Resp: 110

Ion Ratio Lower Upper

138 100

92 953.7 38.7 78.7#

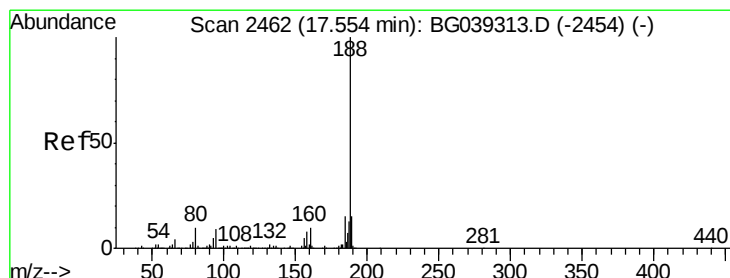
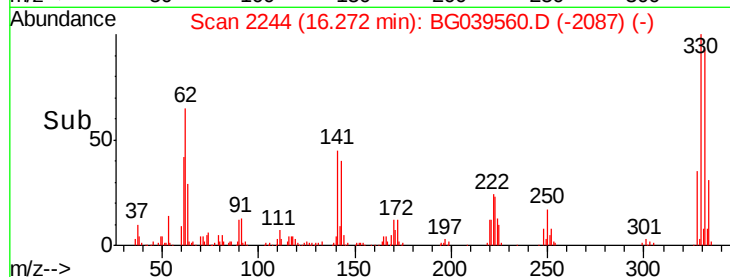
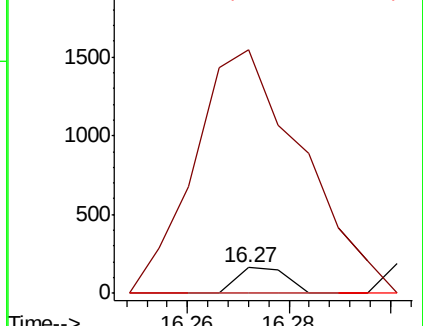
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039560.D

Acq: 19 Feb 2019 18:24

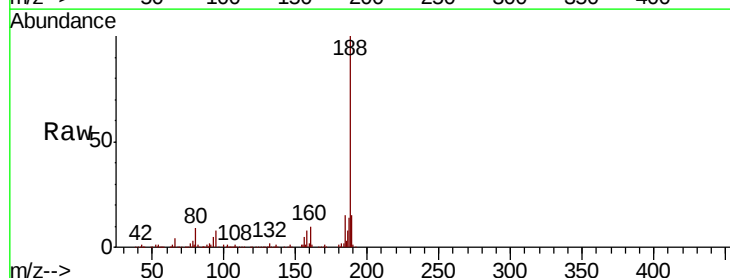
Tgt Ion:188 Resp: 365300

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

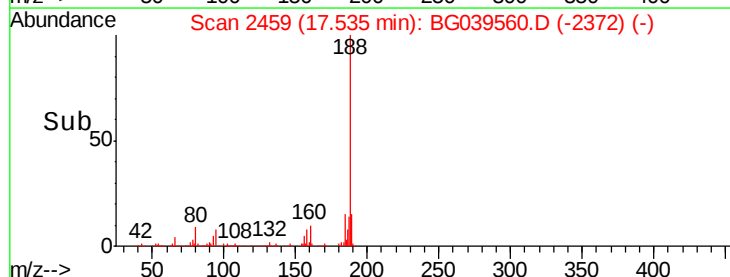
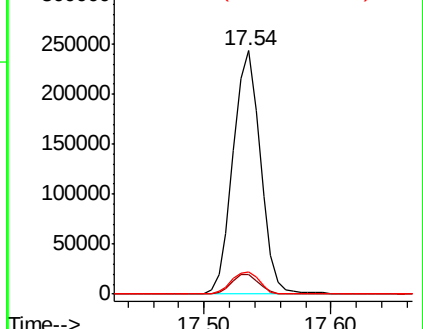
80 9.3 8.1 12.1

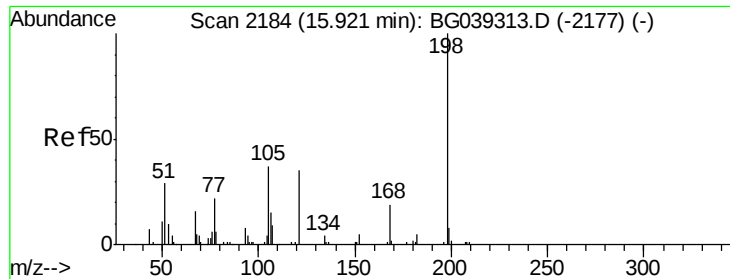


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

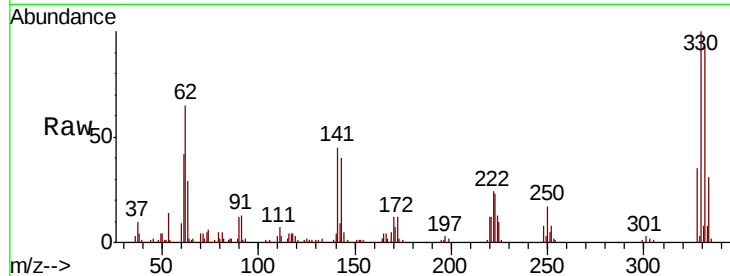




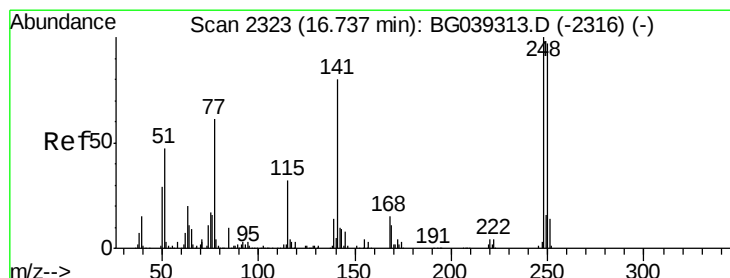
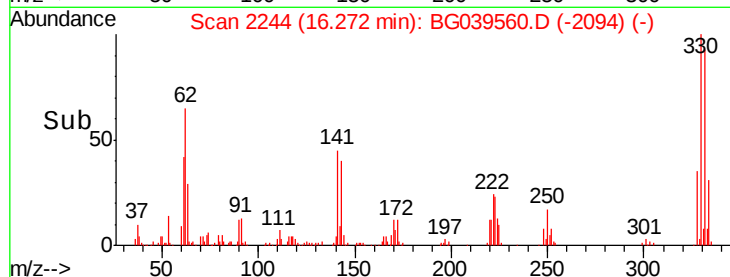
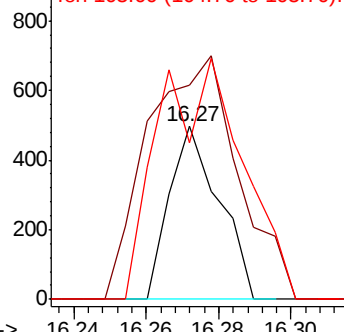
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.589 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.35 min
 Lab File: BG039560.D
 Acq: 19 Feb 2019 18:24

Instrument :
 BNA_G
 ClientSampleId :
 PB117212BL

Tgt Ion:198 Resp: 473
 Ion Ratio Lower Upper
 198 100
 51 123.9 27.4 67.4#
 105 90.5 19.7 59.7#

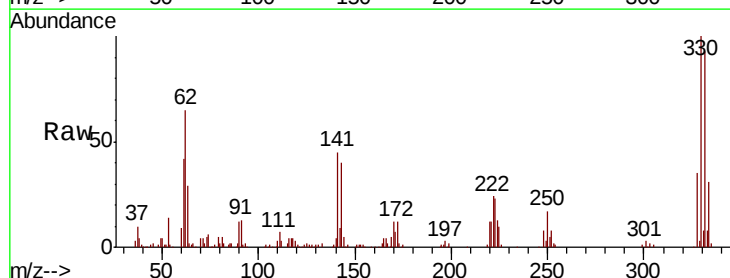


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

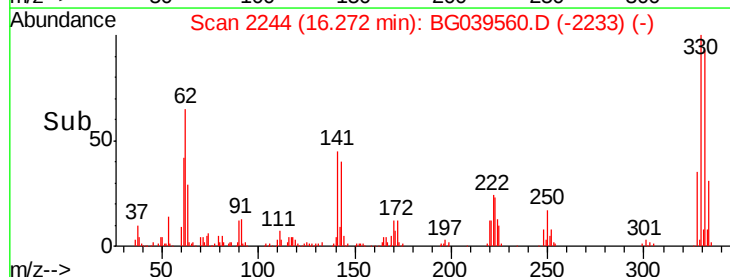
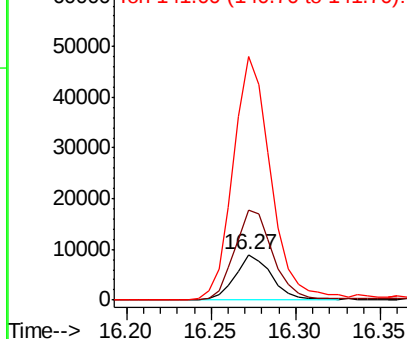


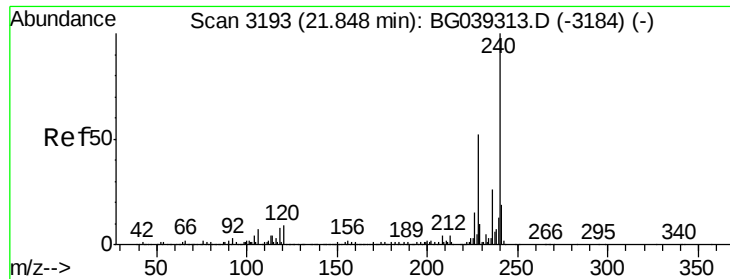
#67
 4-Bromophenyl-phenylether
 Concen: 3.326 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.47 min
 Lab File: BG039560.D
 Acq: 19 Feb 2019 18:24

Tgt Ion:248 Resp: 13480
 Ion Ratio Lower Upper
 248 100
 250 198.7 77.6 116.4#
 141 534.0 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

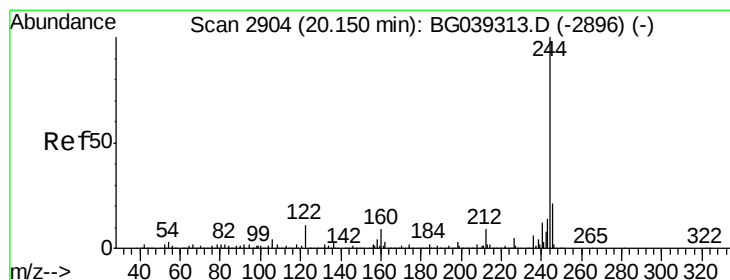
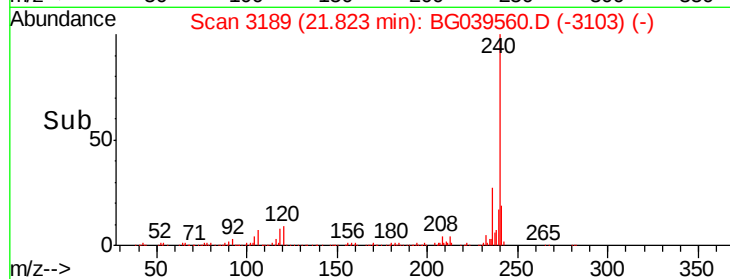
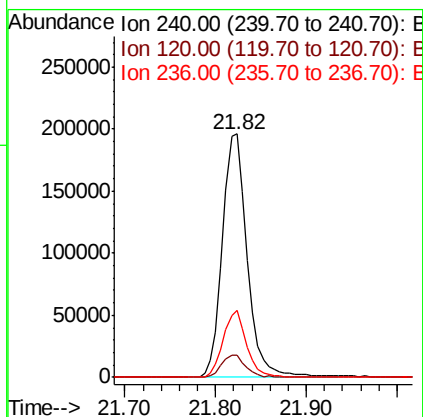
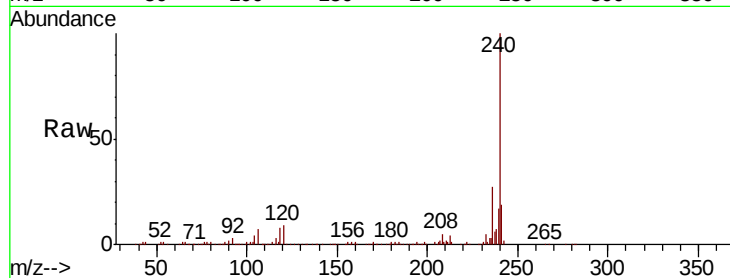




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.02 min
Lab File: BG039560.D
Acq: 19 Feb 2019 18:24

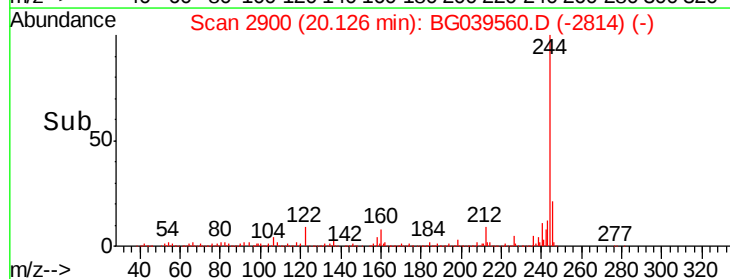
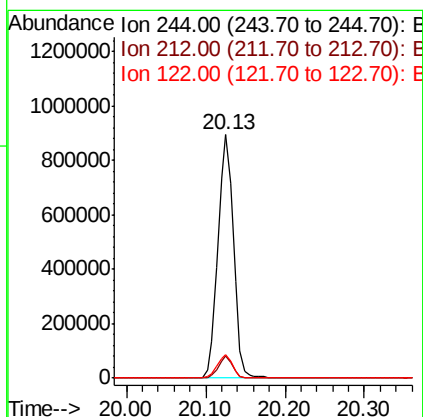
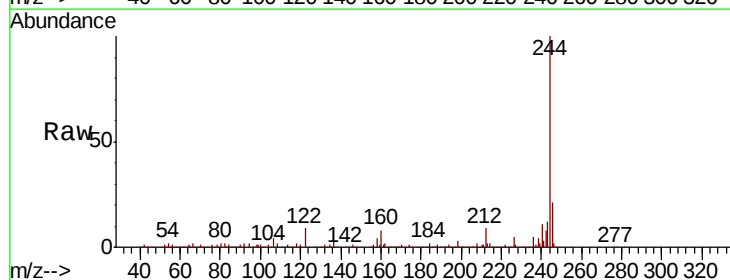
Instrument :
BNA_G
ClientSampled :
PB117212BL

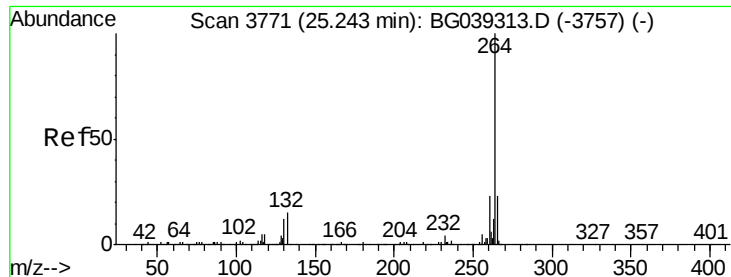
Tgt Ion:240 Resp: 373284
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.6
236 27.4 21.0 31.4



#79
Terphenyl-d14
Concen: 68.996 ng
RT: 20.13 min Scan# 2900
Delta R.T. -0.02 min
Lab File: BG039560.D
Acq: 19 Feb 2019 18:24

Tgt Ion:244 Resp: 1216772
Ion Ratio Lower Upper
244 100
212 8.9 7.3 10.9
122 9.5 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3763
Delta R.T. -0.05 min
Lab File: BG039560.D
Acq: 19 Feb 2019 18:24

Instrument :
BNA_G
ClientSampleId :
PB117212BL

Tgt Ion:	264	Resp:	327483
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	22.7	18.5	27.7

