

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021519\
 Data File : BG039536.D
 Acq On : 16 Feb 2019 00:39
 Operator : JU/SJ
 Sample : PB117145TB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117145TB

Quant Time: Feb 16 03:22:27 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	45522	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	216900	20.00	ng	-0.02
39) Acenaphthene-d10	14.80	164	168143	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	406741	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	401576	20.00	ng	-0.02
87) Perylene-d12	25.21	264	379639	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	440496	165.62	ng	0.00
7) Phenol-d6	7.32	99	665693	170.03	ng	0.00
23) Nitrobenzene-d5	9.34	82	366708	105.62	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	223071	123.20	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	992863	84.71	ng	-0.02
79) Terphenyl-d14	20.13	244	1533132	80.81	ng	-0.02

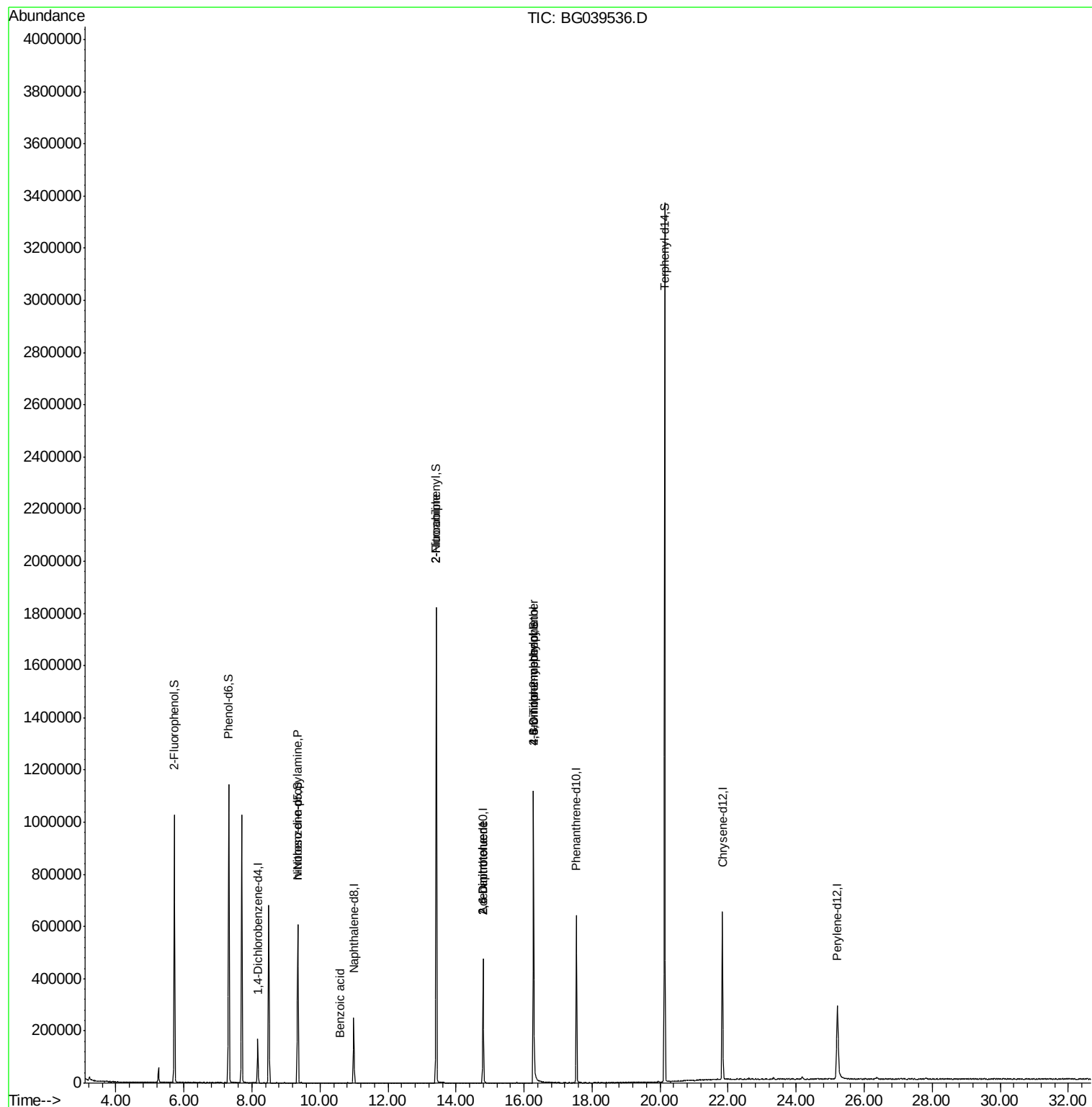
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	927	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	46500	16.734	ng	# 77
32) Benzoic acid	10.60	122	57	9.044	ng	# 1
48) 2-Nitroaniline	13.42	65	1632	8.743	ng	# 2
51) 2,6-Dinitrotoluene	14.79	165	21530	13.883	ng	# 24
57) 2,4-Dinitrotoluene	14.79	165	21530	13.368	ng	# 19
65) 4,6-Dinitro-2-methylphenol	16.28	198	643	4.681	ng	# 5
67) 4-Bromophenyl-phenylether	16.28	248	16929	3.752	ng	# 1

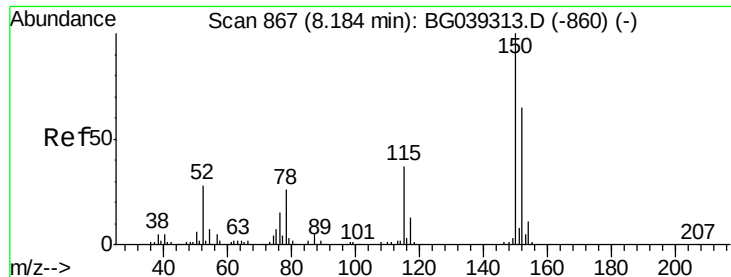
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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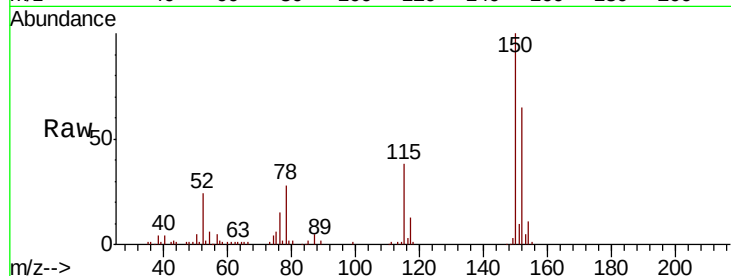


#1

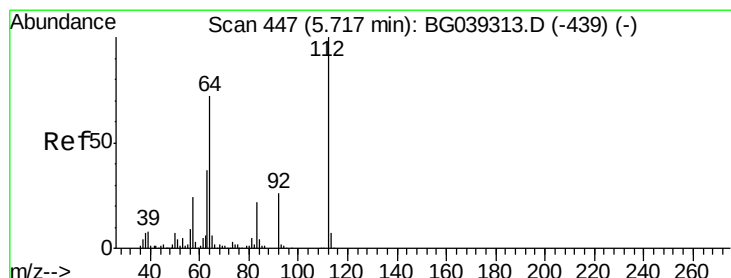
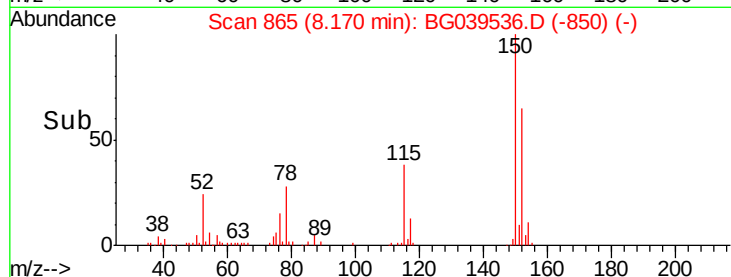
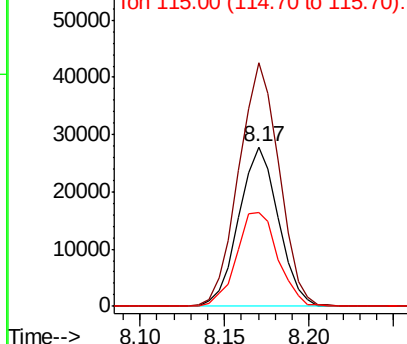
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039536.D
Acq: 16 Feb 2019 00:39

Instrument :
BNA_G
ClientSampleId :
PB117145TB

Tgt Ion:152 Resp: 45522
Ion Ratio Lower Upper
152 100
150 152.9 123.7 185.5
115 58.7 45.9 68.9



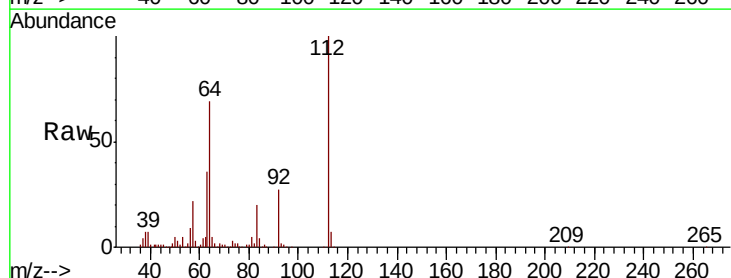
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



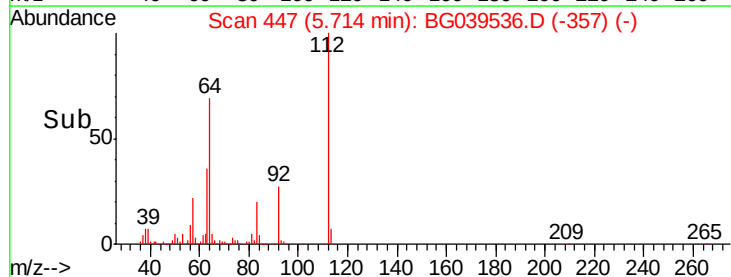
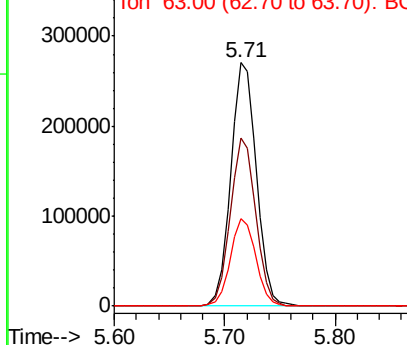
#5

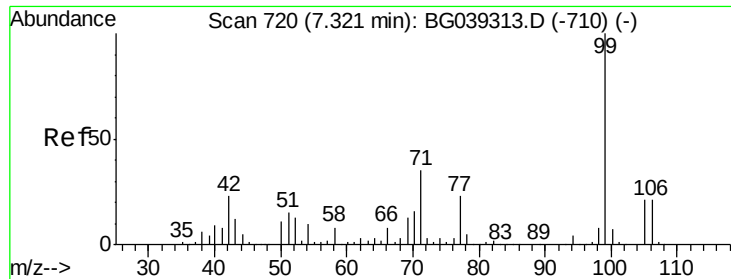
2-Fluorophenol
Concen: 165.615 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039536.D
Acq: 16 Feb 2019 00:39

Tgt Ion:112 Resp: 440496
Ion Ratio Lower Upper
112 100
64 68.9 57.8 86.8
63 36.1 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 170.033 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039536.D

Acq: 16 Feb 2019 00:39

Instrument :

BNA_G

ClientSampleId :

PB117145TB

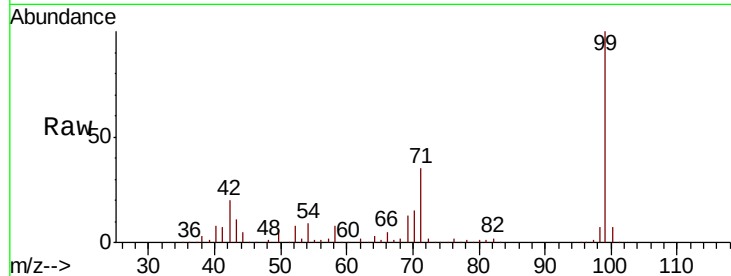
Tgt Ion: 99 Resp: 665693

Ion Ratio Lower Upper

99 100

42 19.7 18.2 27.2

71 35.1 28.0 42.0

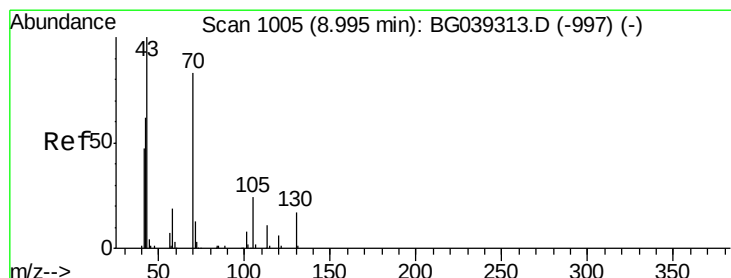
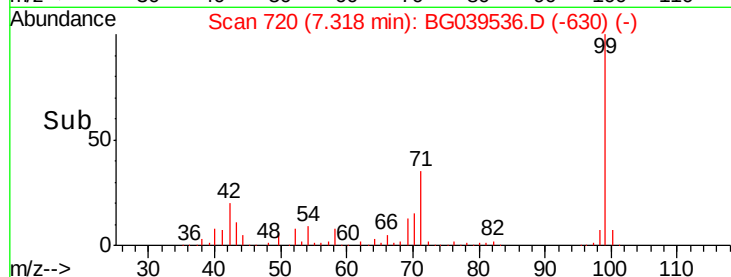
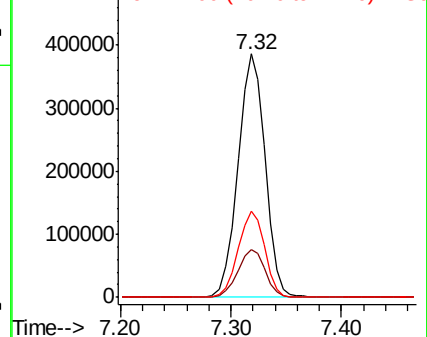


Abundance

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: 16.734 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039536.D

Acq: 16 Feb 2019 00:39

Tgt Ion: 70 Resp: 46500

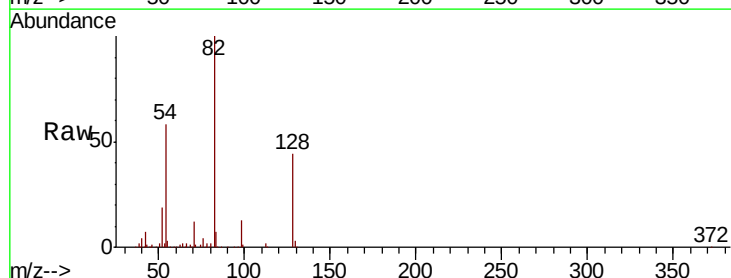
Ion Ratio Lower Upper

70 100

42 60.5 60.4 90.6

101 0.0 7.5 11.3#

130 2.3 16.9 25.3#



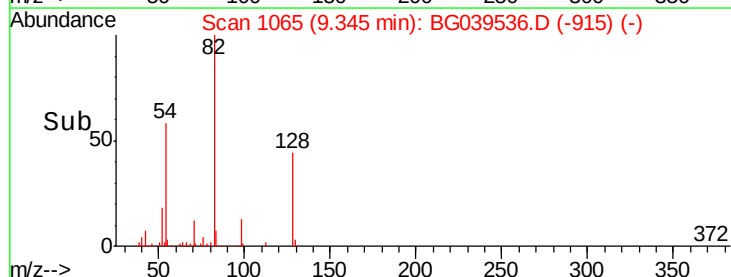
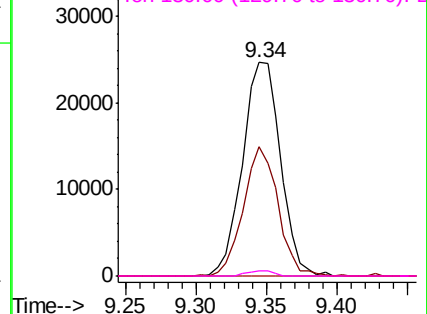
Abundance

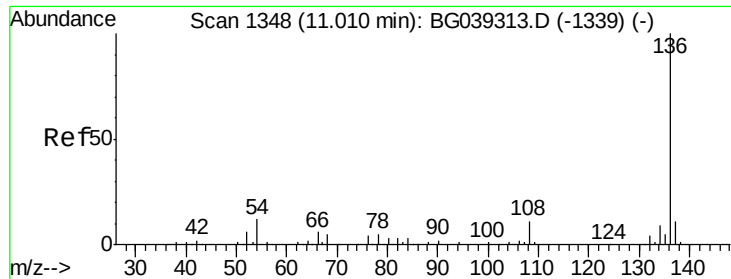
Ion 70.00 (69.70 to 70.70): BGC

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

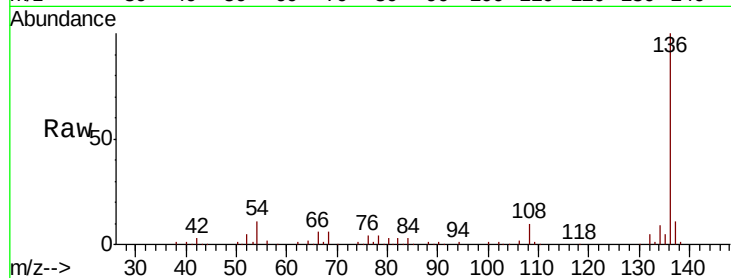




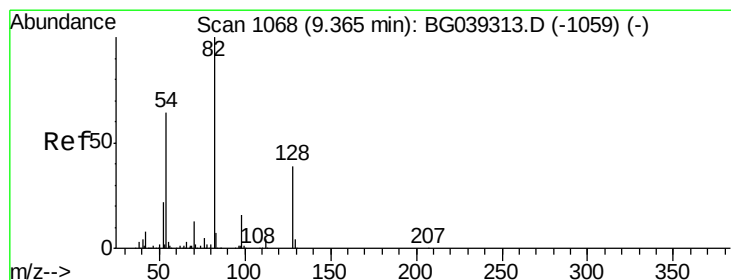
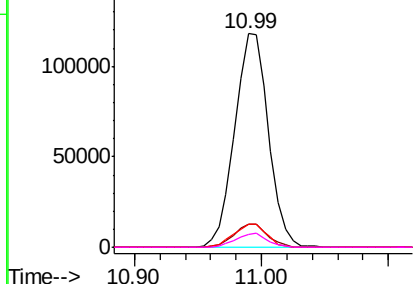
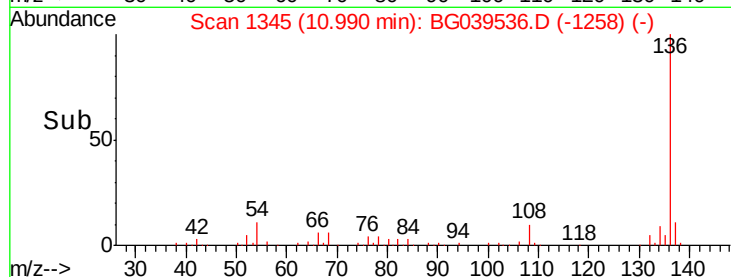
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039536.D
Acq: 16 Feb 2019 00:39

Instrument :
BNA_G
ClientSampleId :
PB117145TB

Tgt Ion:	136	Resp:	216900
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.9	9.4	14.2
68	6.2	4.2	6.4

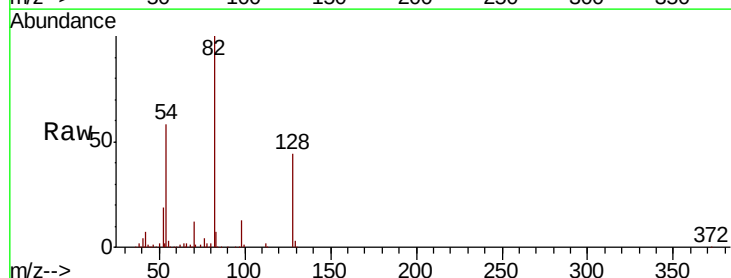


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

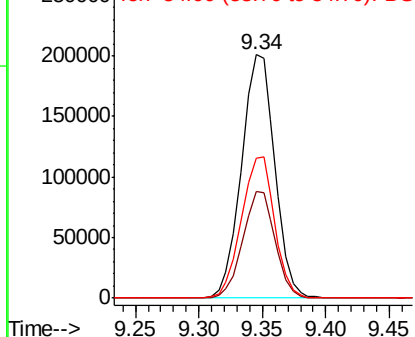
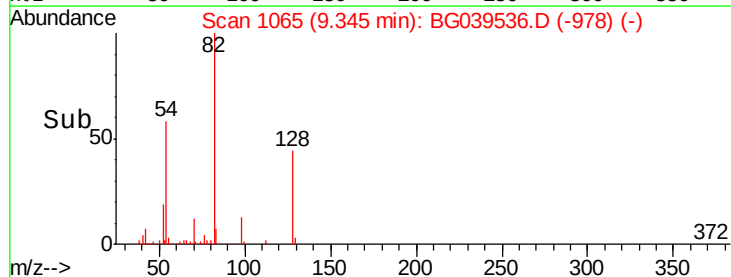


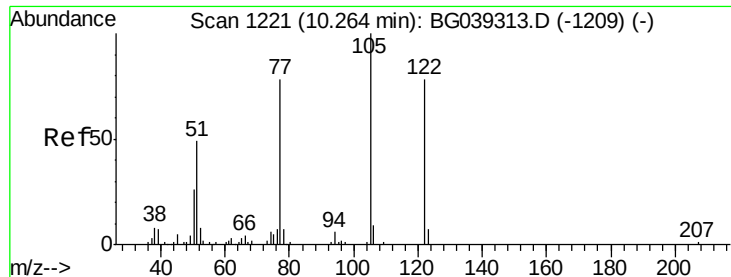
#23
Nitrobenzene-d5
Concen: 105.619 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039536.D
Acq: 16 Feb 2019 00:39

Tgt Ion:	82	Resp:	366708
Ion	Ratio	Lower	Upper
82	100		
128	43.9	31.3	46.9
54	57.7	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





#32

Benzoic acid

Concen: 9.044 ng

RT: 10.60 min Scan# 1279

Delta R.T. 0.34 min

Lab File: BG039536.D

Acq: 16 Feb 2019 00:39

Instrument :

BNA_G

ClientSampleId :

PB117145TB

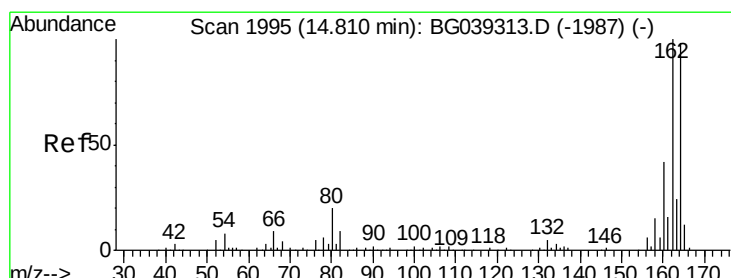
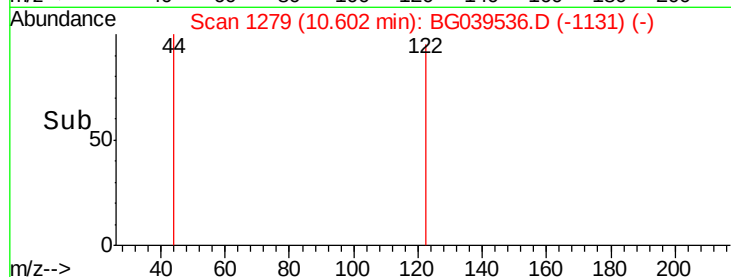
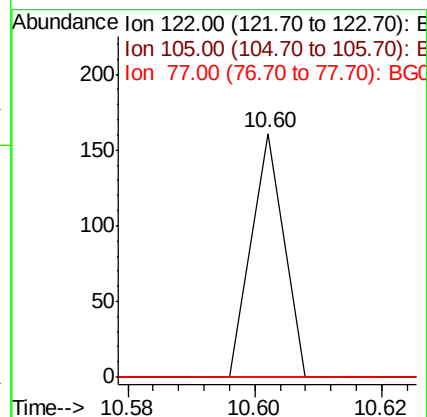
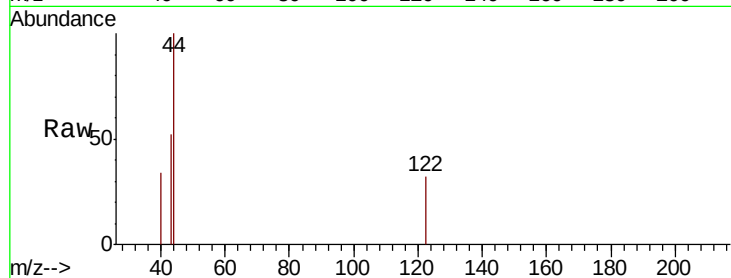
Tgt Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

77 0.0 76.3 116.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039536.D

Acq: 16 Feb 2019 00:39

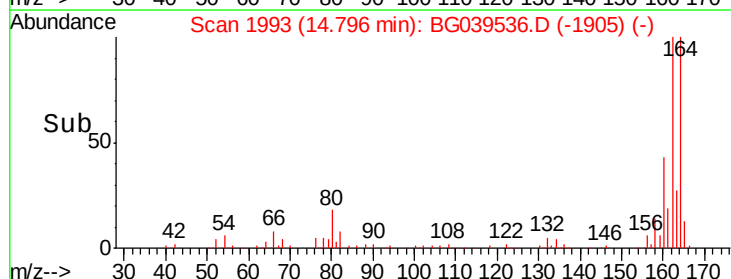
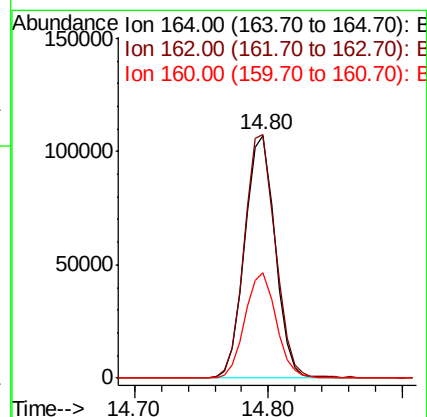
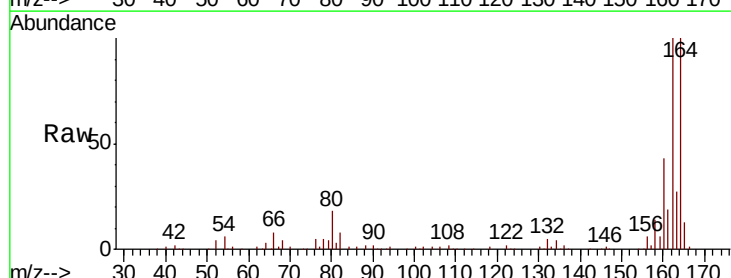
Tgt Ion:164 Resp: 168143

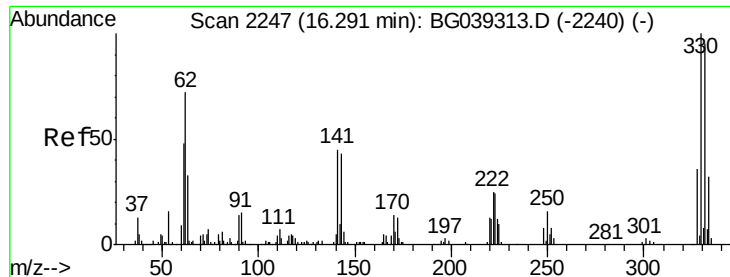
Ion Ratio Lower Upper

164 100

162 100.3 81.6 122.4

160 43.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 123.202 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039536.D

Acq: 16 Feb 2019 00:39

Instrument :

BNA_G

ClientSampleId :

PB117145TB

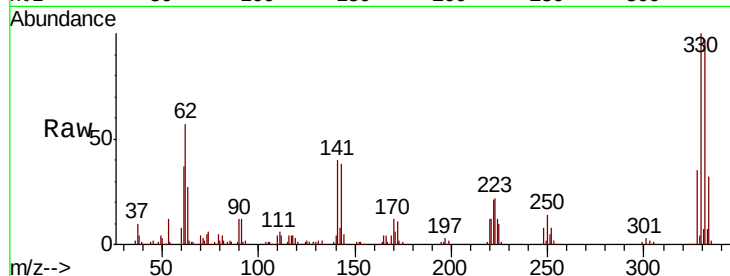
Tgt Ion:330 Resp: 223071

Ion Ratio Lower Upper

330 100

332 92.8 75.7 113.5

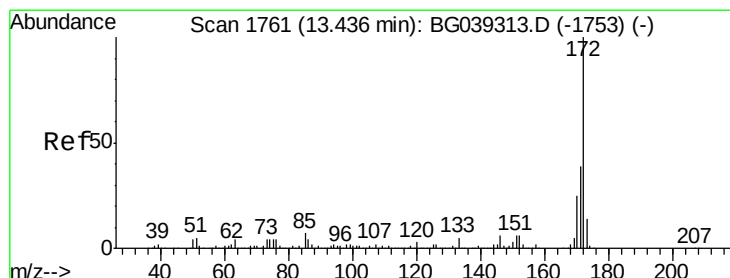
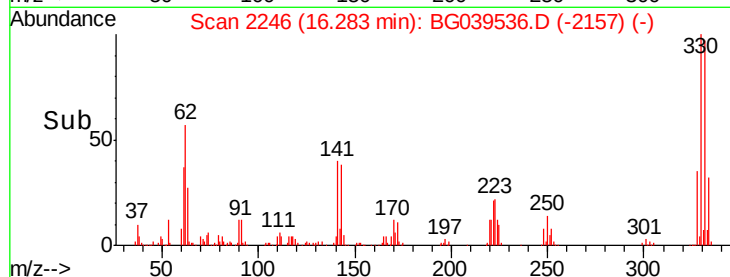
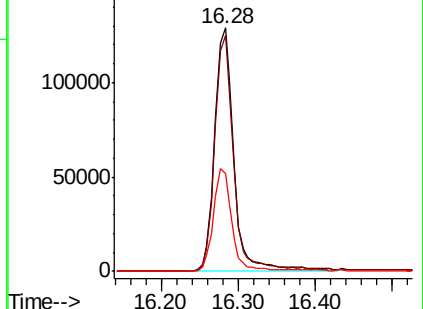
141 40.7 35.6 53.4



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: 84.708 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039536.D

Acq: 16 Feb 2019 00:39

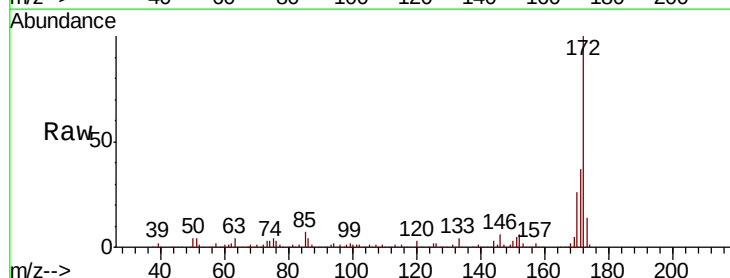
Tgt Ion:172 Resp: 992863

Ion Ratio Lower Upper

172 100

171 37.4 30.8 46.2

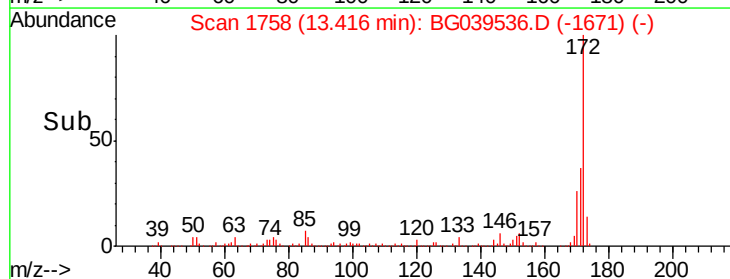
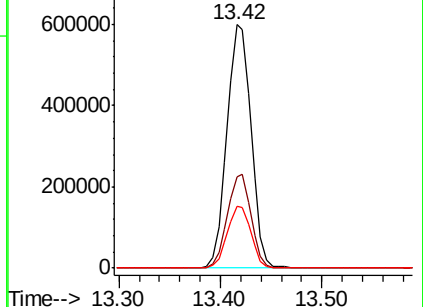
170 25.5 20.2 30.4

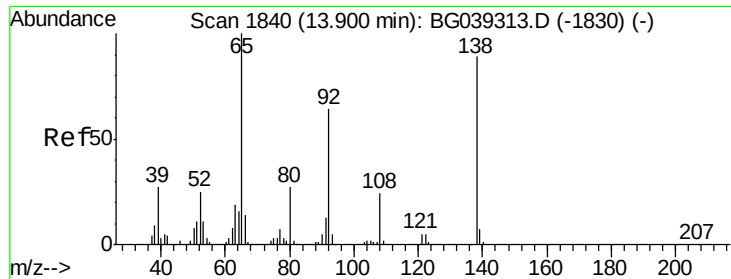


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.743 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.48 min

Lab File: BG039536.D

Acq: 16 Feb 2019 00:39

Instrument :

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PB117145TB

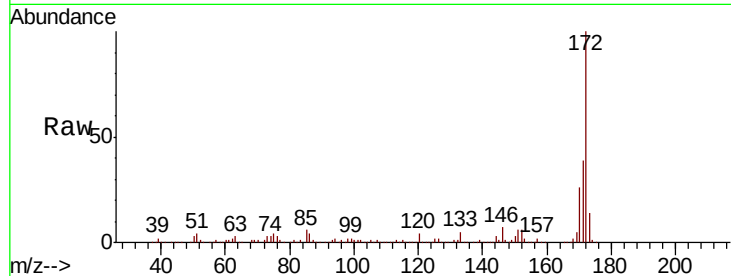
Tgt Ion: 65 Resp: 1632

Ion Ratio Lower Upper

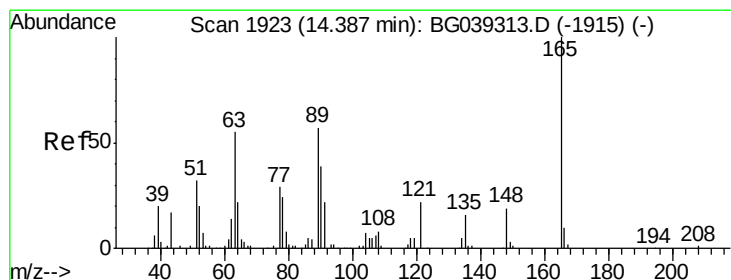
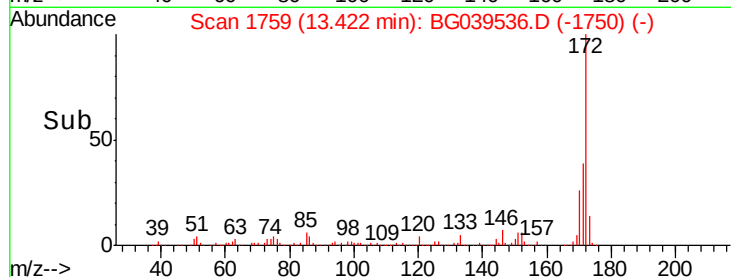
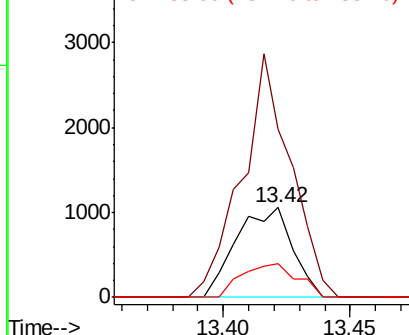
65 100

92 186.6 51.4 77.2#

138 37.3 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): BGC



#51

2,6-Dinitrotoluene

Concen: 13.883 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039536.D

Acq: 16 Feb 2019 00:39

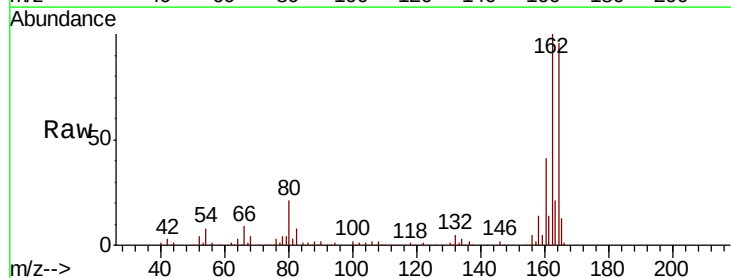
Tgt Ion: 165 Resp: 21530

Ion Ratio Lower Upper

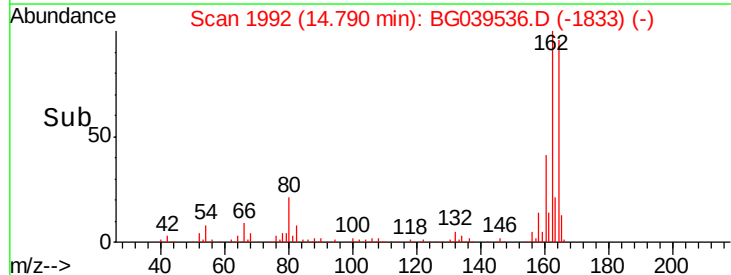
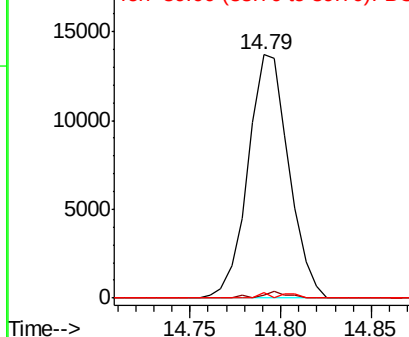
165 100

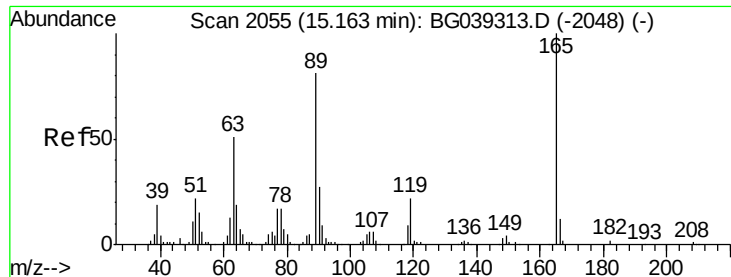
63 1.2 47.0 70.6#

89 2.3 45.8 68.8#



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

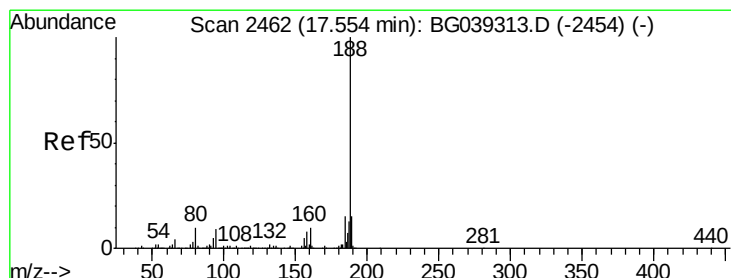
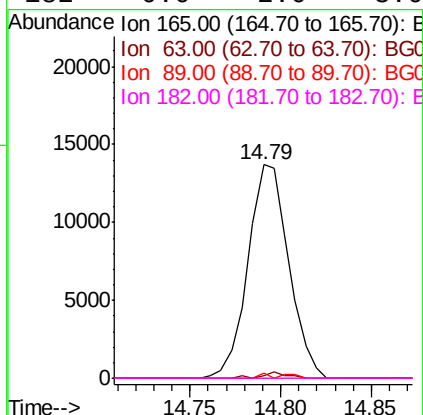
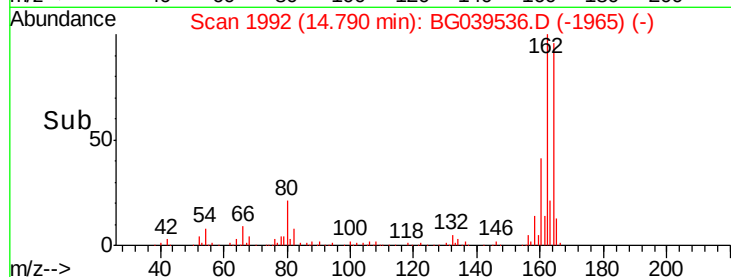
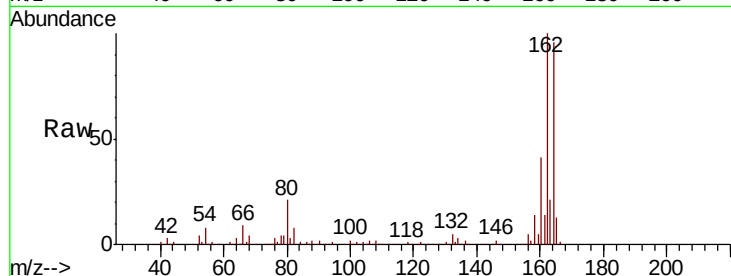




#57
 2,4-Dinitrotoluene
 Concen: 13.368 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039536.D
 Acq: 16 Feb 2019 00:39

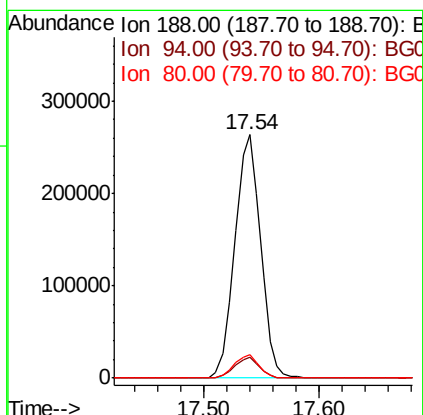
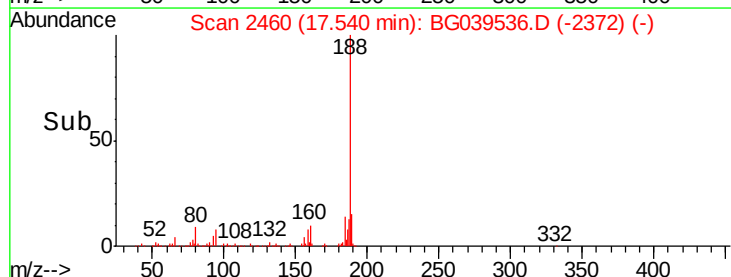
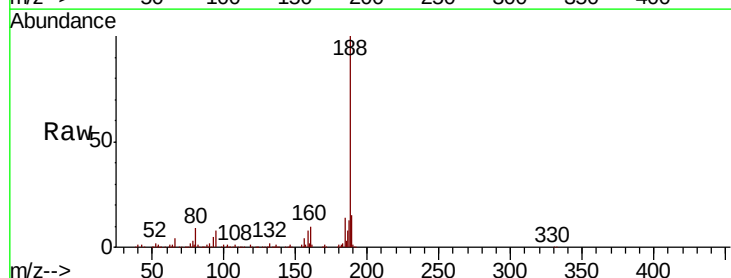
Instrument :
 BNA_G
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 PB117145TB

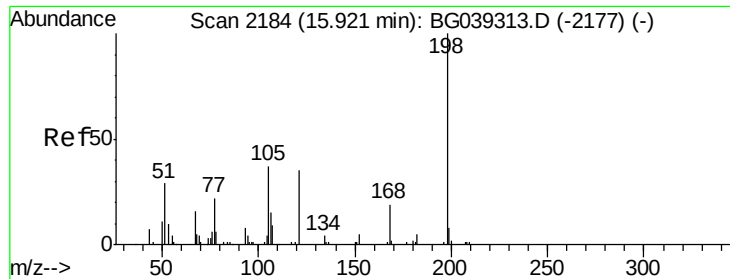
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	41.0	61.6#
89	2.3	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.54 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: BG039536.D
 Acq: 16 Feb 2019 00:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	9.4	8.1	12.1

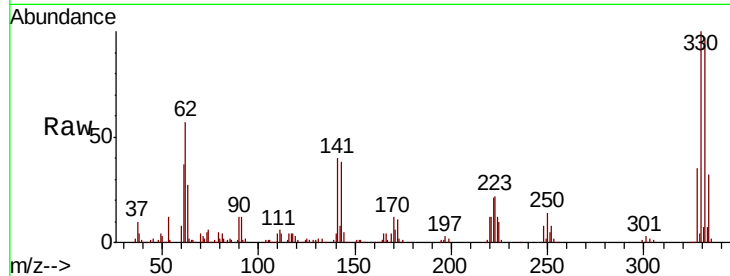




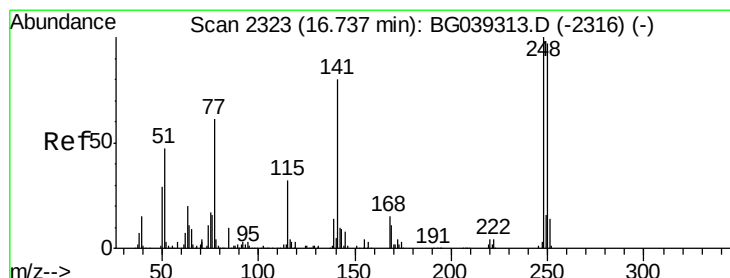
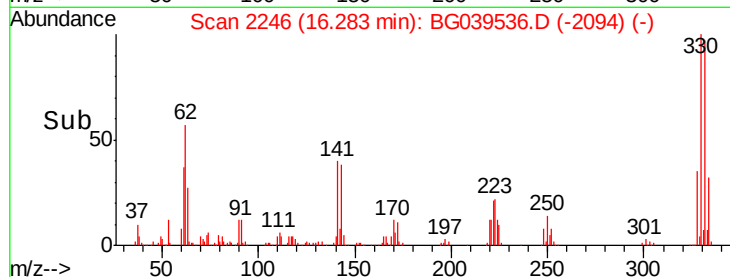
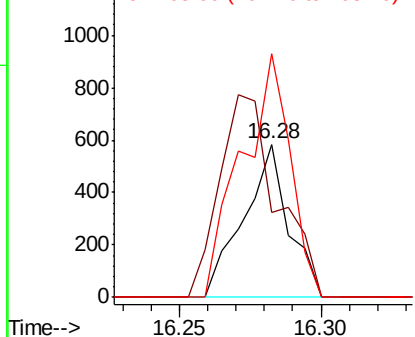
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.681 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039536.D
 Acq: 16 Feb 2019 00:39

Instrument :
 BNA_G
 ClientSampleId :
 PB117145TB

Tgt Ion:198 Resp: 643
 Ion Ratio Lower Upper
 198 100
 51 55.4 27.4 67.4
 105 158.8 19.7 59.7#

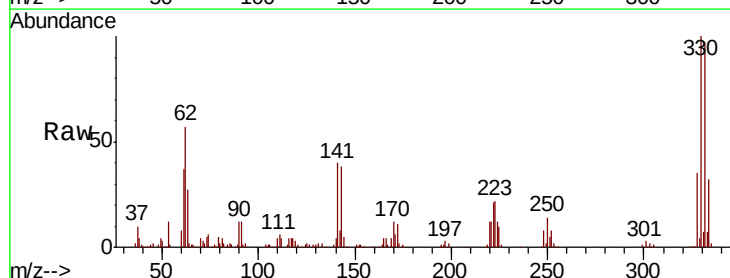


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

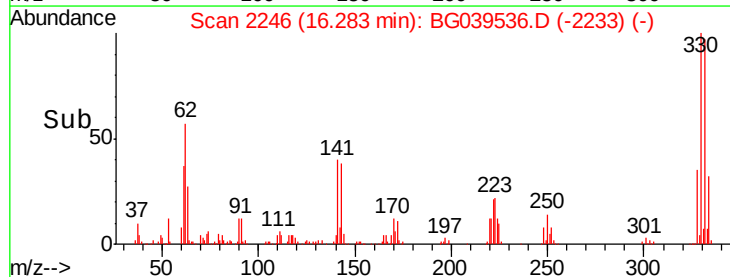
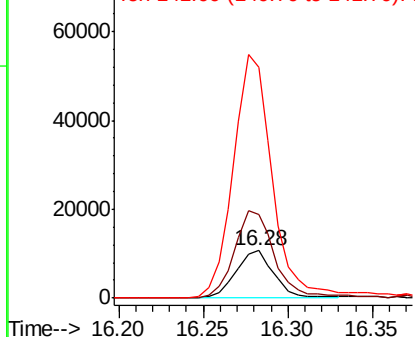


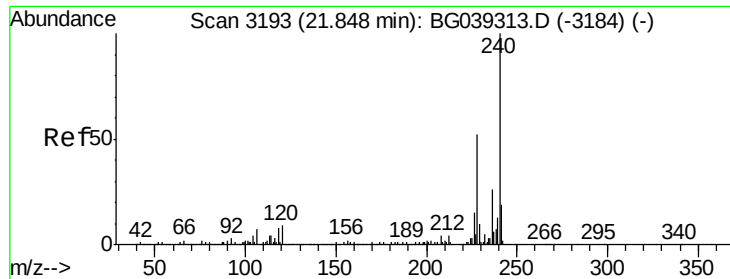
#67
 4-Bromophenyl-phenylether
 Concen: 3.752 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.45 min
 Lab File: BG039536.D
 Acq: 16 Feb 2019 00:39

Tgt Ion:248 Resp: 16929
 Ion Ratio Lower Upper
 248 100
 250 176.0 77.6 116.4#
 141 489.7 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

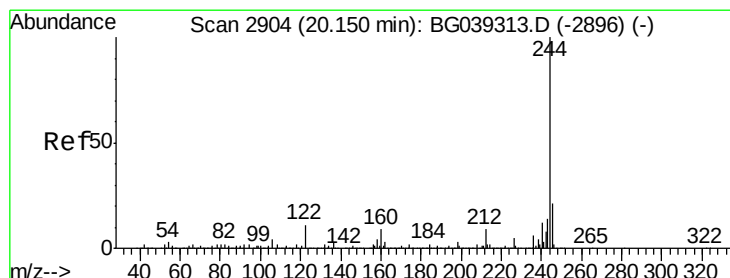
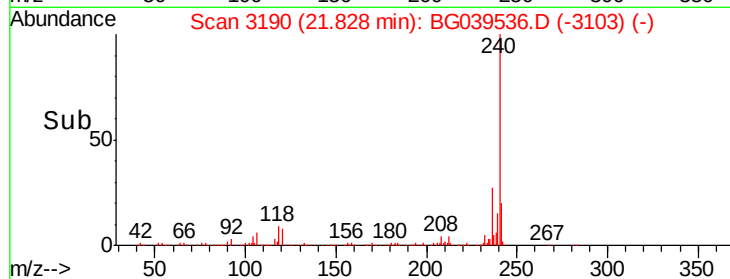
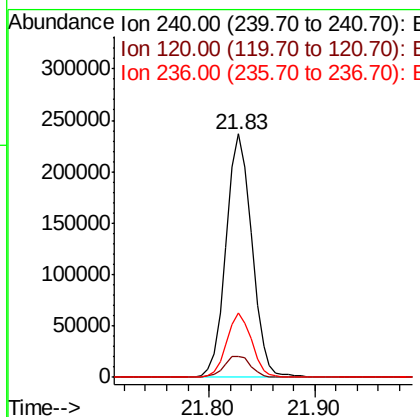
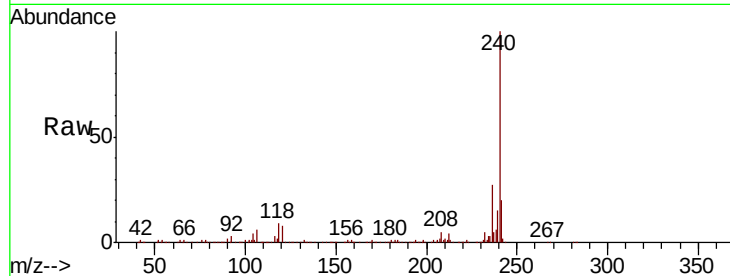




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039536.D
Acq: 16 Feb 2019 00:39

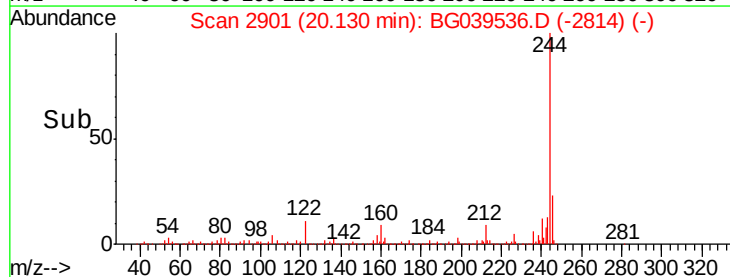
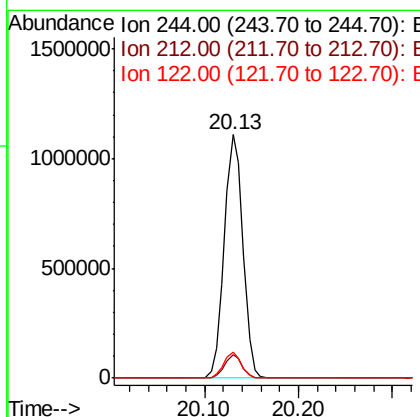
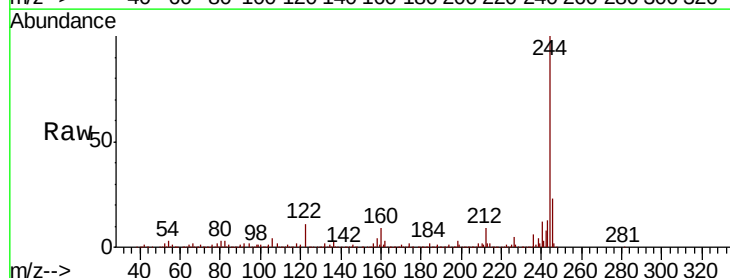
Instrument :
BNA_G
ClientSampleId :
PB117145TB

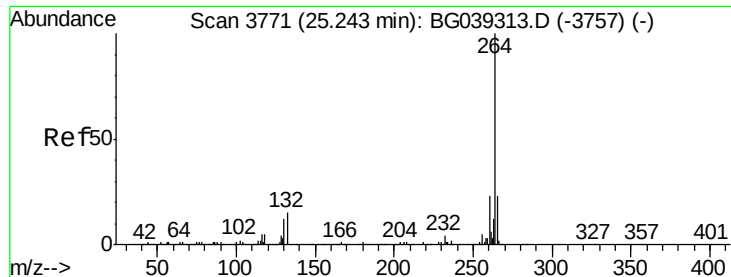
Tgt Ion:240 Resp: 401576
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 26.6 21.0 31.4



#79
Terphenyl-d14
Concen: 80.811 ng
RT: 20.13 min Scan# 2901
Delta R.T. -0.02 min
Lab File: BG039536.D
Acq: 16 Feb 2019 00:39

Tgt Ion:244 Resp: 1533132
Ion Ratio Lower Upper
244 100
212 9.4 7.3 10.9
122 10.5 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039536.D
Acq: 16 Feb 2019 00:39

Instrument :
BNA_G
ClientSampleId :
PB117145TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.4
265	20.3	18.5	27.7

