

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020819\
 Data File : BG039426.D
 Acq On : 8 Feb 2019 21:52
 Operator : JU/SJ
 Sample : PB116948TB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB116948TB

Quant Time: Feb 08 23:37:21 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

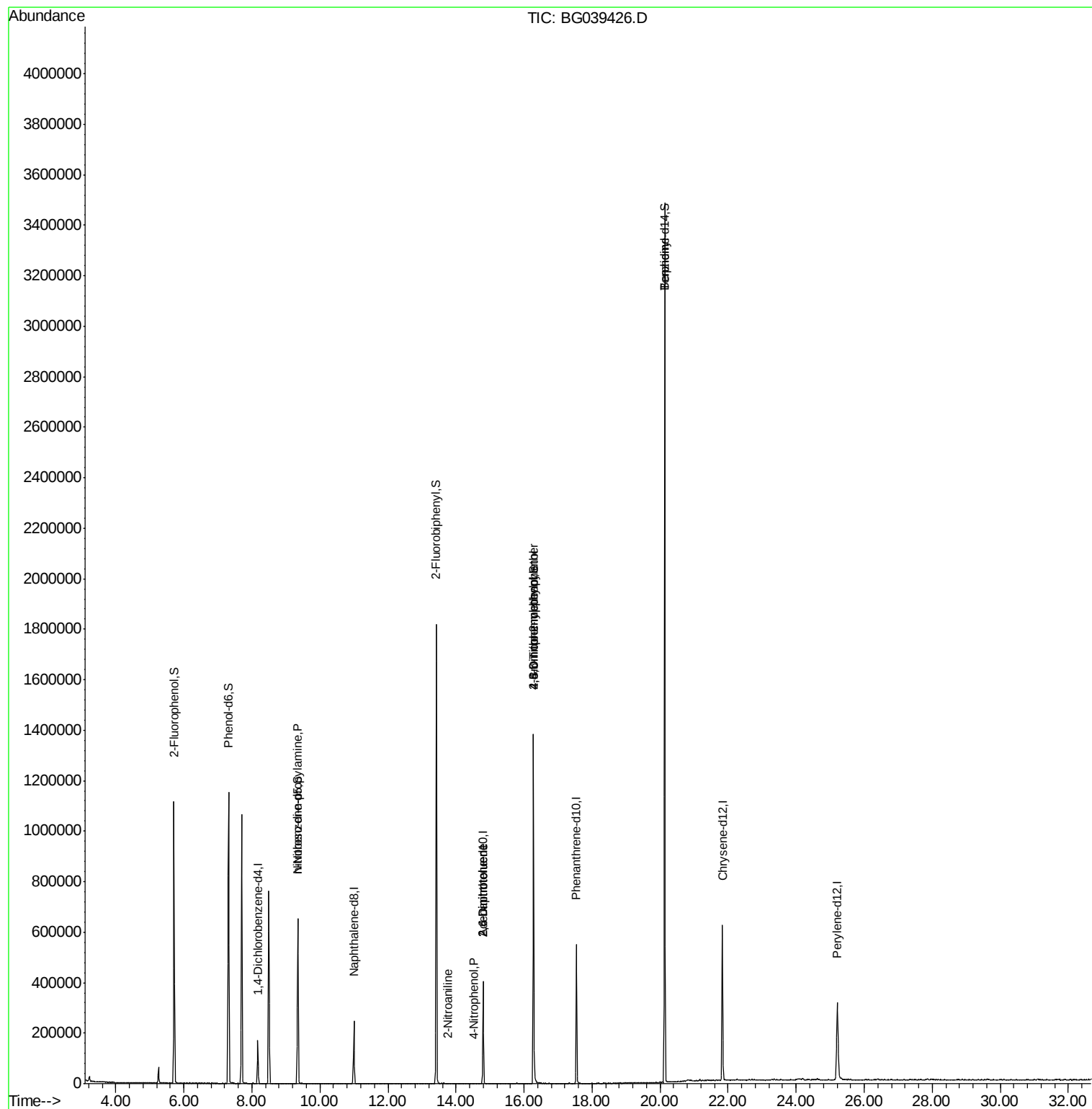
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	49219	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	212321	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	141022	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	345868	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	386613	20.00	ng	-0.02
87) Perylene-d12	25.21	264	378504	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	473925	164.80	ng	0.00
7) Phenol-d6	7.31	99	669838	158.24	ng	0.00
23) Nitrobenzene-d5	9.35	82	388575	114.33	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	244967	161.31	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	971405	98.82	ng	-0.01
79) Terphenyl-d14	20.13	244	1586469	86.86	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1033	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propylamine	9.35	70	49827	16.584 ng	#	66
48) 2-Nitroaniline	13.75	65	62	8.317 ng	#	10
51) 2,6-Dinitrotoluene	14.80	165	18243	13.958 ng	#	23
56) 4-Nitrophenol	14.51	139	93	5.836 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	18243	13.425 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.28	198	911	5.019 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	19480	5.077 ng	#	1
77) Benzidine	20.13	184	27596	2.177 ng	#	88

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

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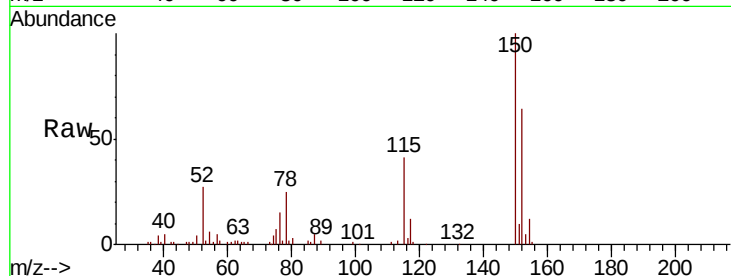


#1

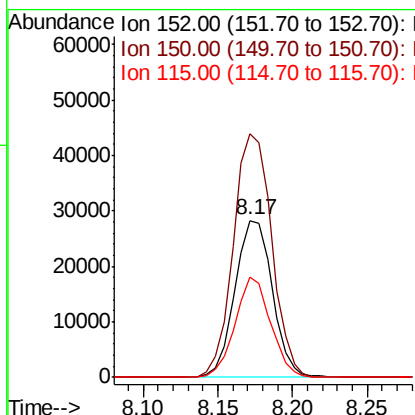
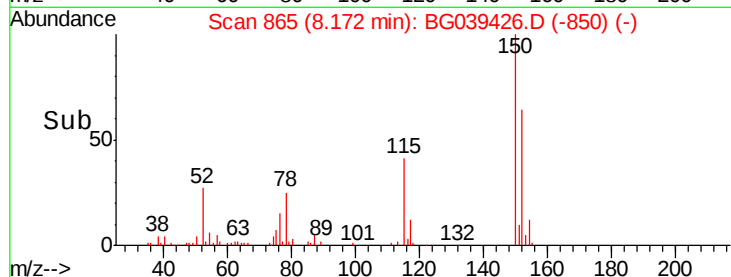
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039426.D
Acq: 8 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
PB116948TB

Tgt Ion:152 Resp: 49219
Ion Ratio Lower Upper
152 100
150 155.4 123.7 185.5
115 64.2 45.9 68.9



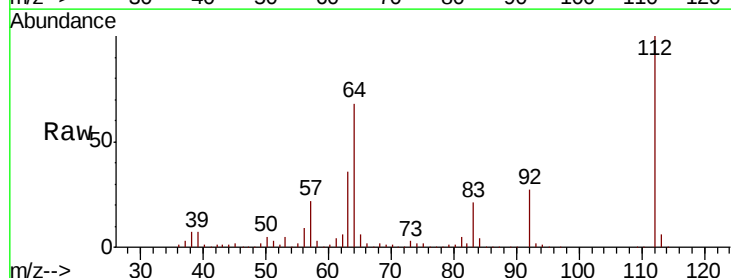
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



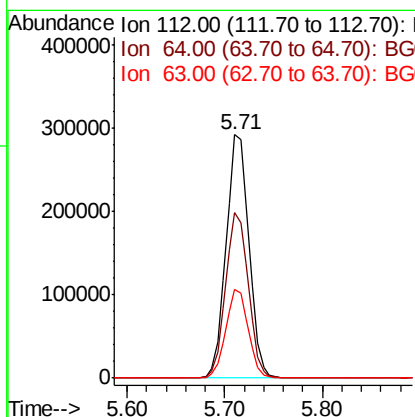
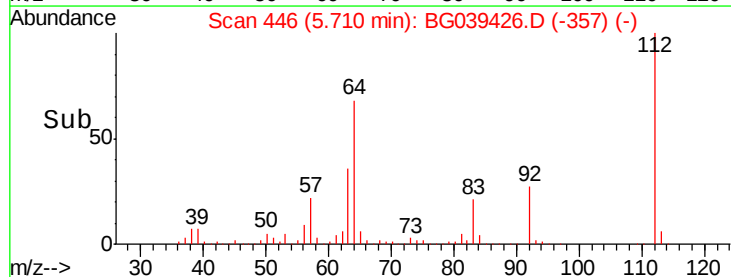
#5

2-Fluorophenol
Concen: 164.800 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039426.D
Acq: 8 Feb 2019 21:52

Tgt Ion:112 Resp: 473925
Ion Ratio Lower Upper
112 100
64 68.0 57.8 86.8
63 36.3 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: 158.240 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

PB116948TB

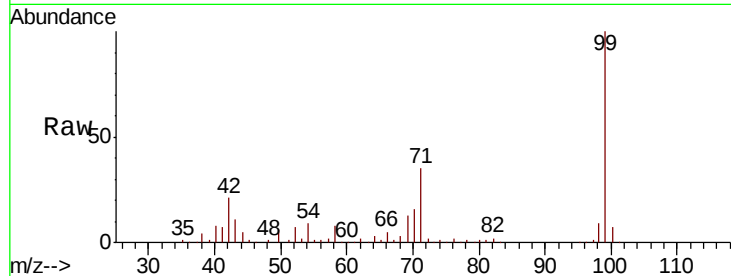
Tgt Ion: 99 Resp: 669838

Ion Ratio Lower Upper

99 100

42 20.7 18.2 27.2

71 35.1 28.0 42.0

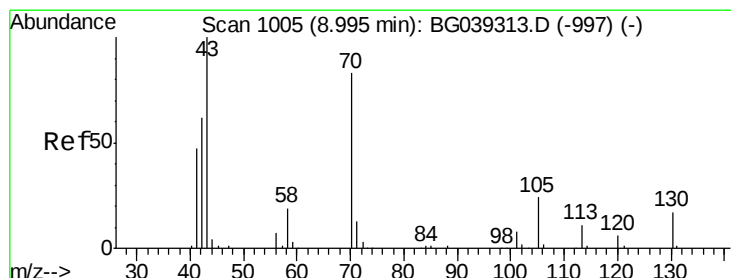
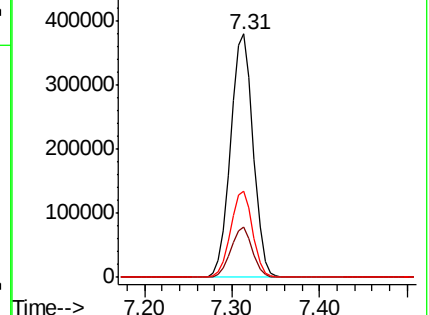
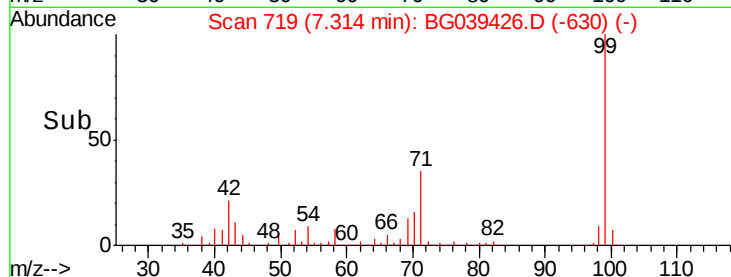


Abundance

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: 16.584 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

Tgt Ion: 70 Resp: 49827

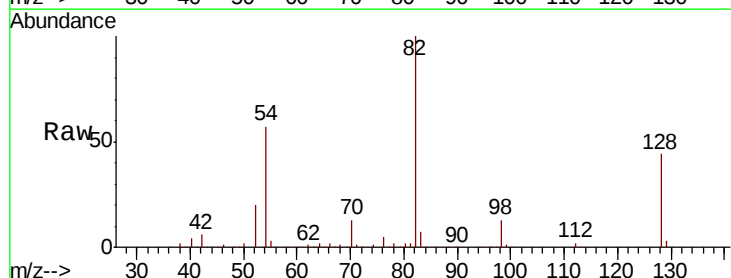
Ion Ratio Lower Upper

70 100

42 47.4 60.4 90.6#

101 0.0 7.5 11.3#

130 1.3 16.9 25.3#



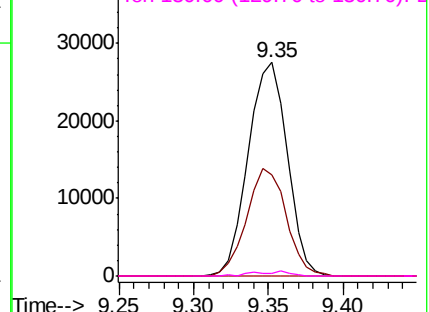
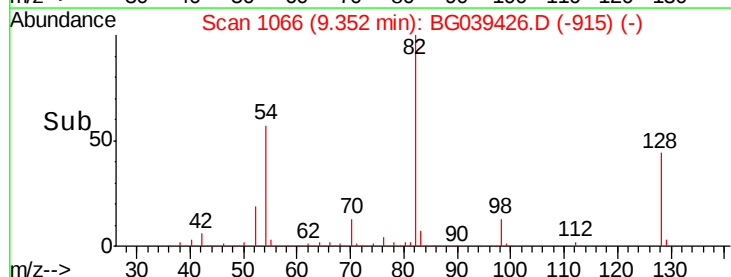
Abundance

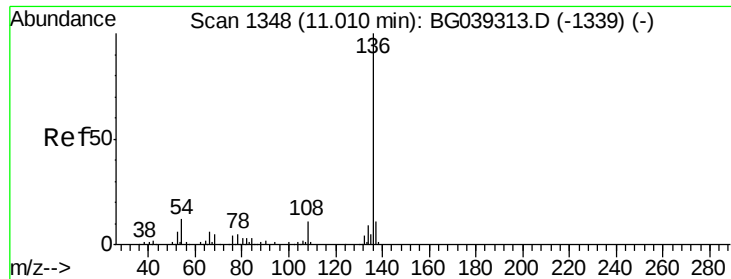
Ion 70.00 (69.70 to 70.70): BGC

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

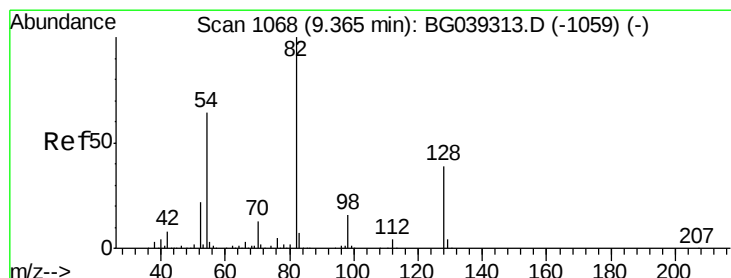
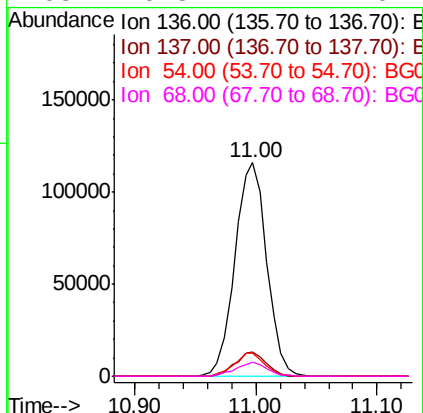
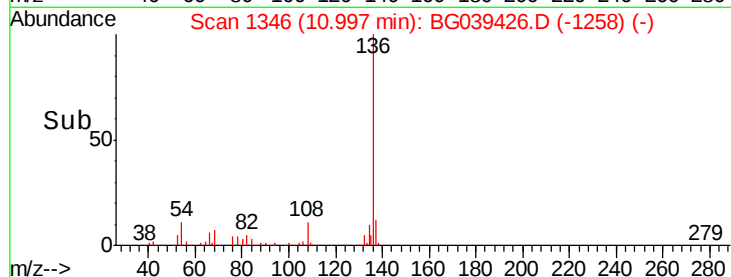
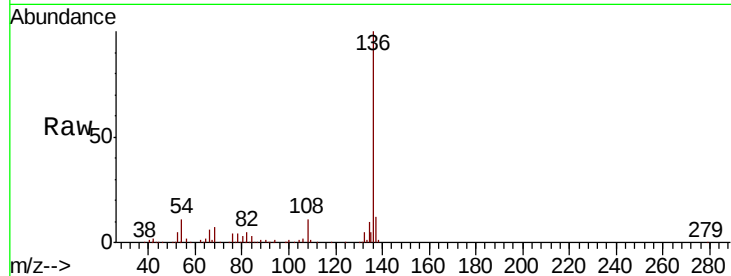




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039426.D
Acq: 8 Feb 2019 21:52

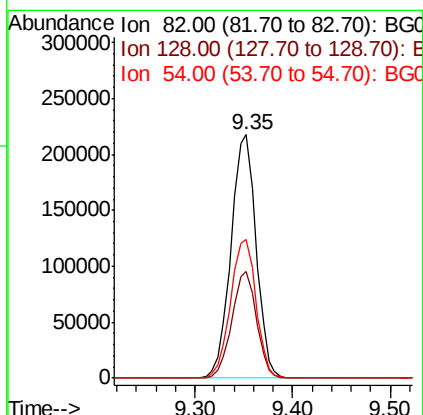
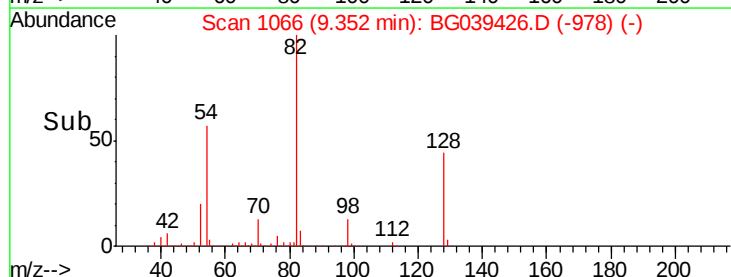
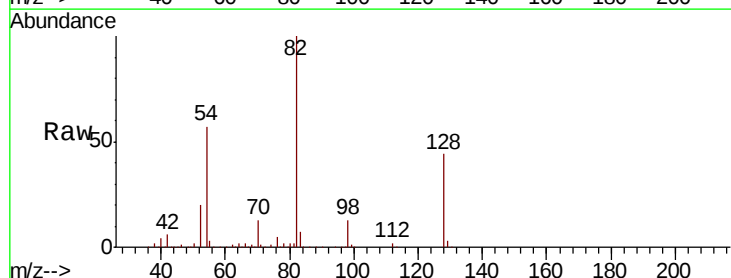
Instrument :
BNA_G
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PB116948TB

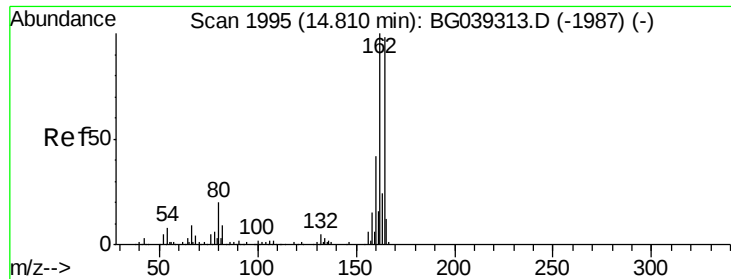
Tgt Ion:	136	Resp:	212321
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.7	9.4	14.2
68	6.8	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 114.331 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039426.D
Acq: 8 Feb 2019 21:52

Tgt Ion:	82	Resp:	388575
Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	57.0	50.9	76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

PB116948TB

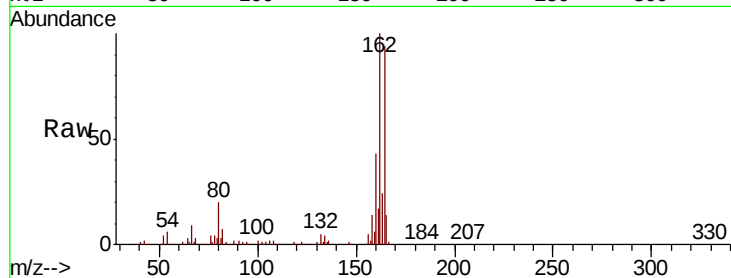
Tgt Ion:164 Resp: 141022

Ion Ratio Lower Upper

164 100

162 106.0 81.6 122.4

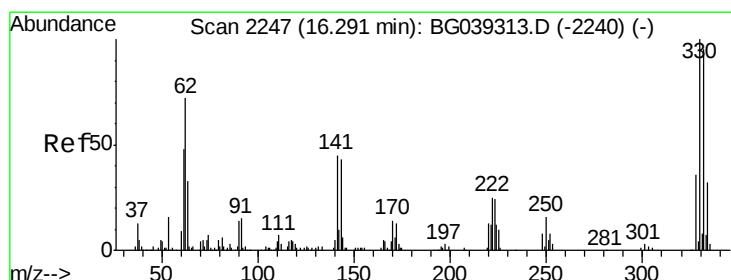
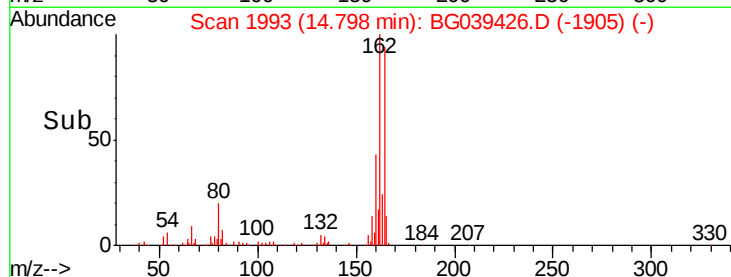
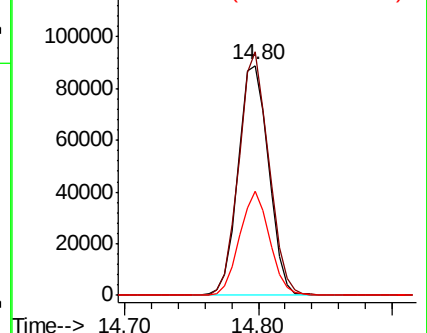
160 45.2 34.2 51.2



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: 161.315 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

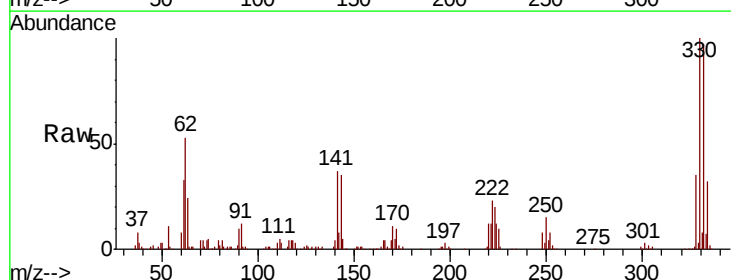
Tgt Ion:330 Resp: 244967

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

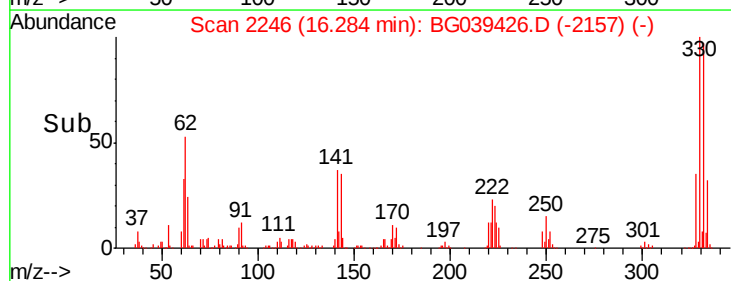
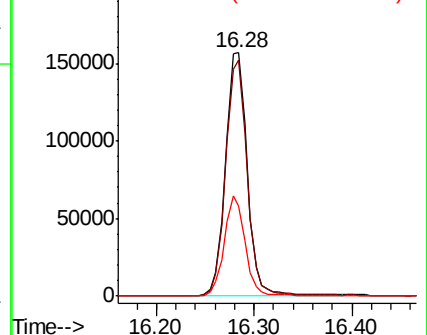
141 39.4 35.6 53.4



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

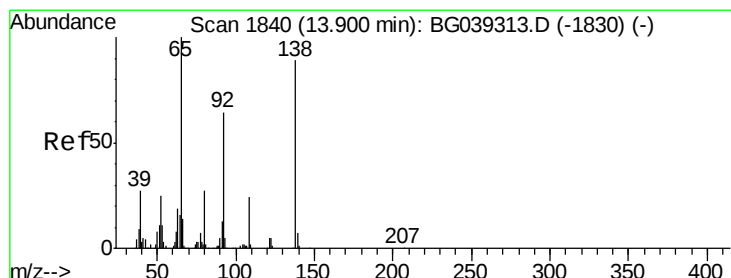
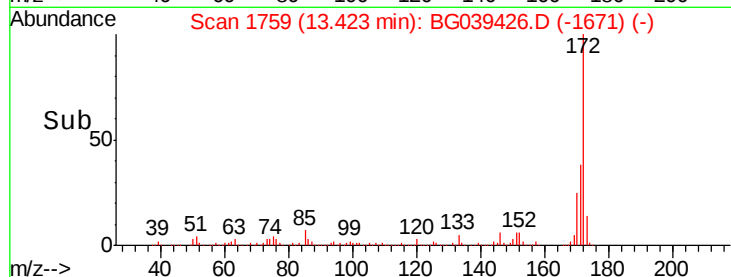
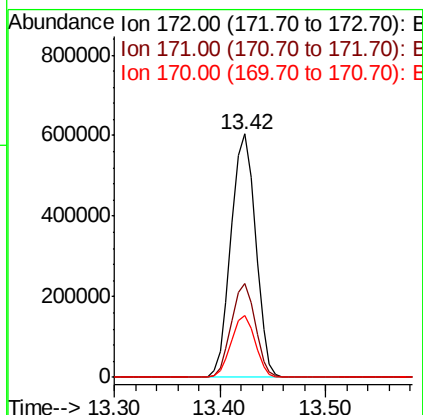
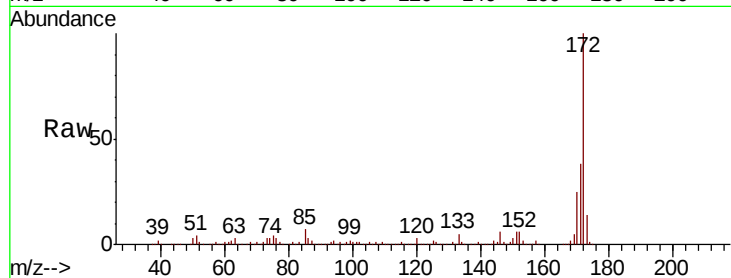




#45
 2-Fluorobiphenyl
 Concen: 98.816 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039426.D
 Acq: 8 Feb 2019 21:52

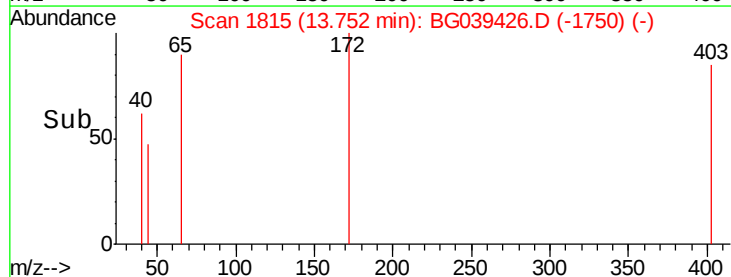
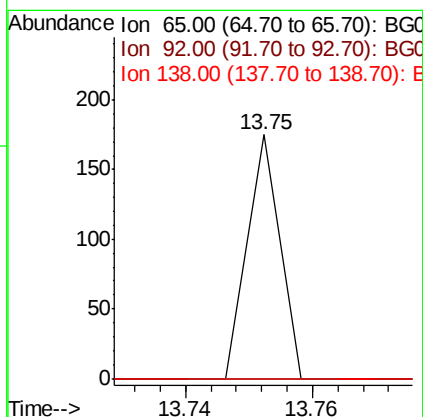
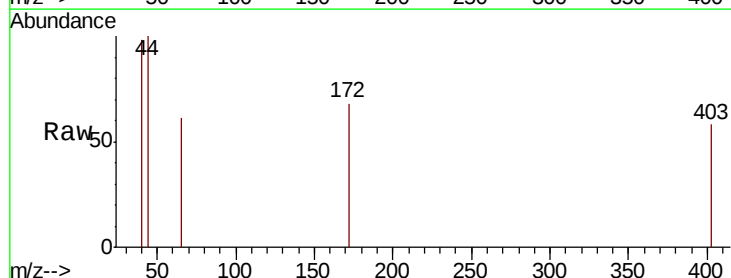
Instrument :
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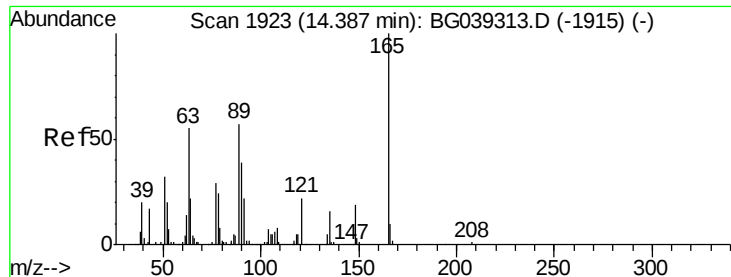
Tgt Ion: 172 Resp: 971405
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.8 46.2
 170 25.5 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.317 ng
 RT: 13.75 min Scan# 1815
 Delta R.T. -0.15 min
 Lab File: BG039426.D
 Acq: 8 Feb 2019 21:52

Tgt Ion: 65 Resp: 62
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#

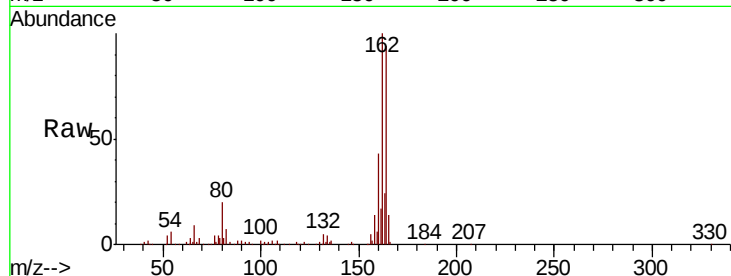




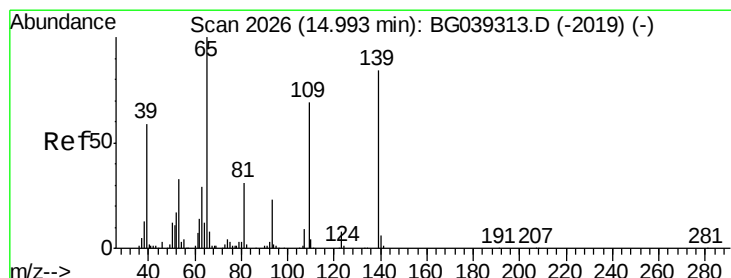
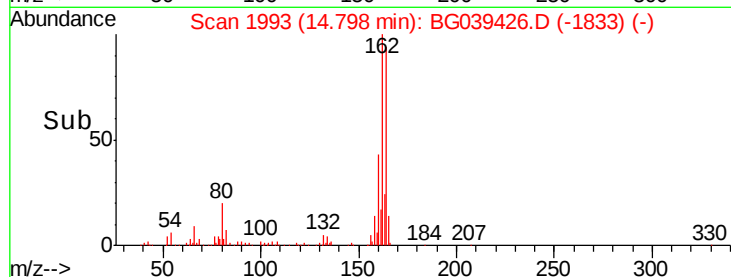
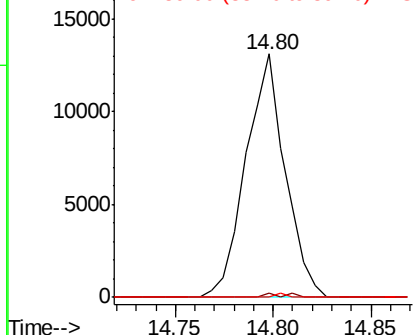
#51
 2,6-Dinitrotoluene
 Concen: 13.958 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. 0.41 min
 Lab File: BG039426.D
 Acq: 8 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 PB116948TB

Tgt Ion:165 Resp: 18243
 Ion Ratio Lower Upper
 165 100
 63 1.8 47.0 70.6#
 89 0.0 45.8 68.8#

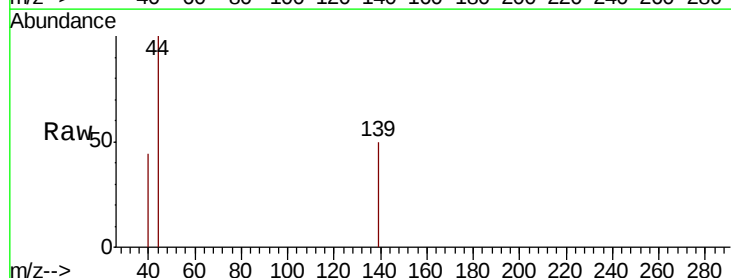


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

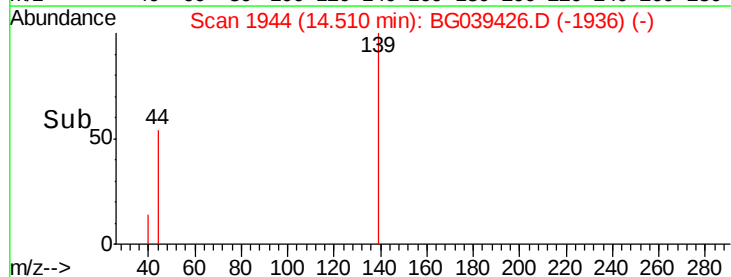
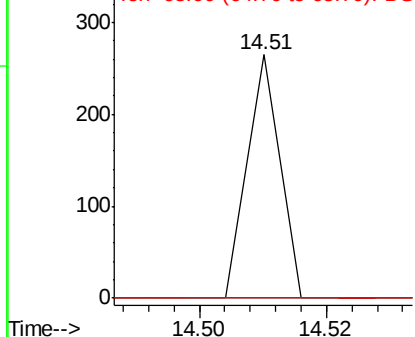


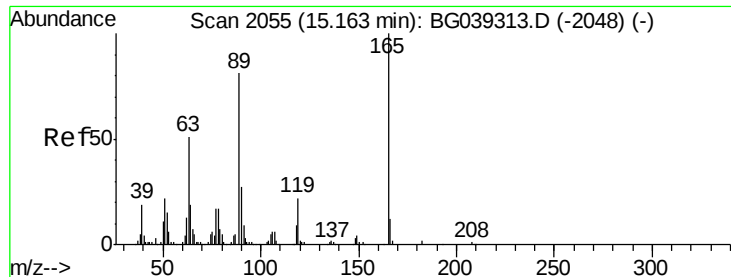
#56
 4-Nitrophenol
 Concen: 5.836 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.48 min
 Lab File: BG039426.D
 Acq: 8 Feb 2019 21:52

Tgt Ion:139 Resp: 93
 Ion Ratio Lower Upper
 139 100
 109 0.0 61.9 101.9#
 65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.425 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

PB116948TB

Tgt Ion:165 Resp: 18243

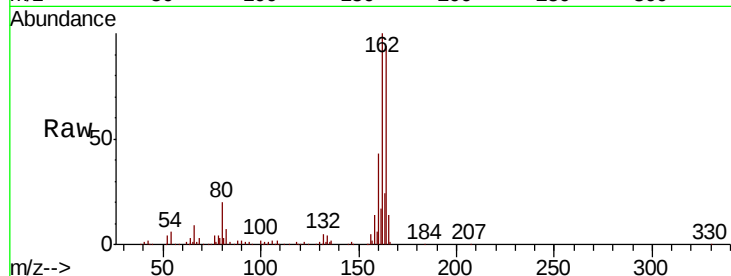
Ion Ratio Lower Upper

165 100

63 1.8 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

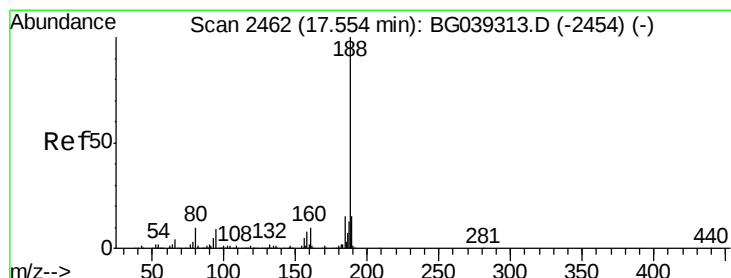
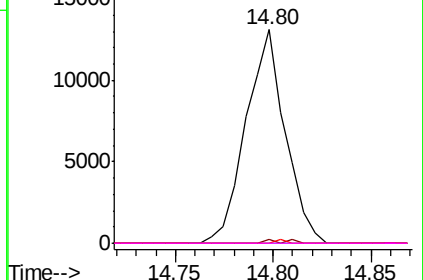
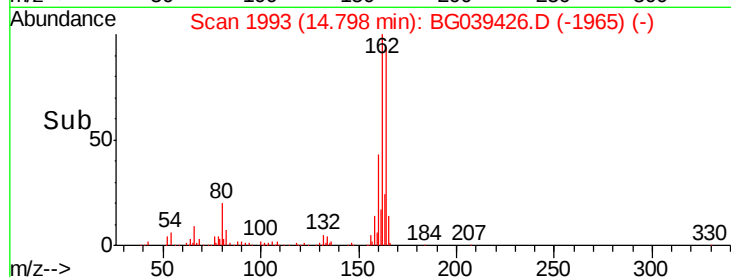


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

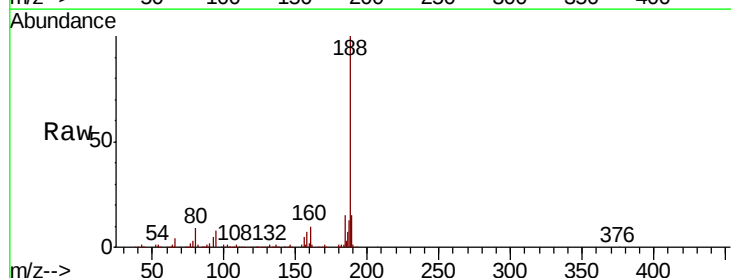
Tgt Ion:188 Resp: 345868

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

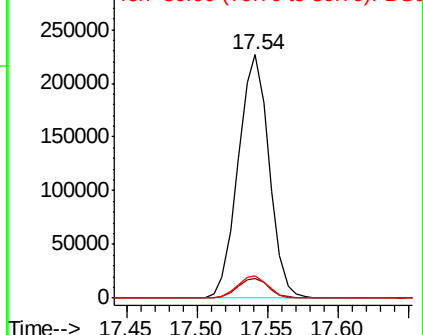
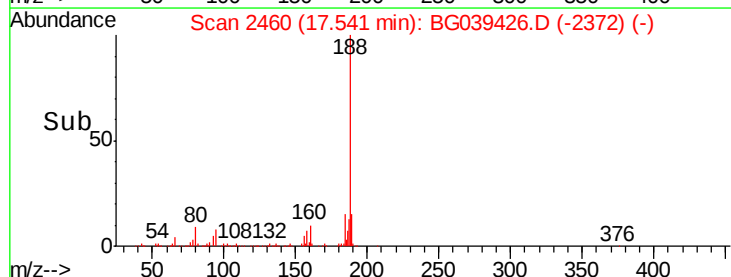
80 9.1 8.1 12.1

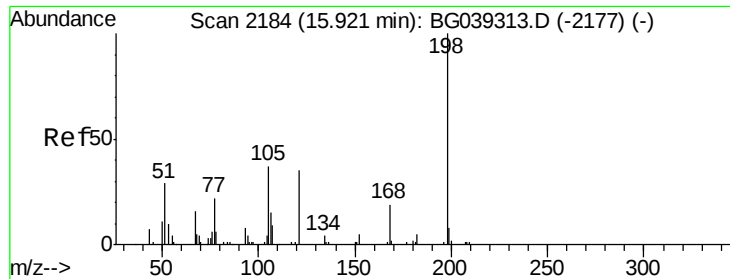


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 5.019 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

PB116948TB

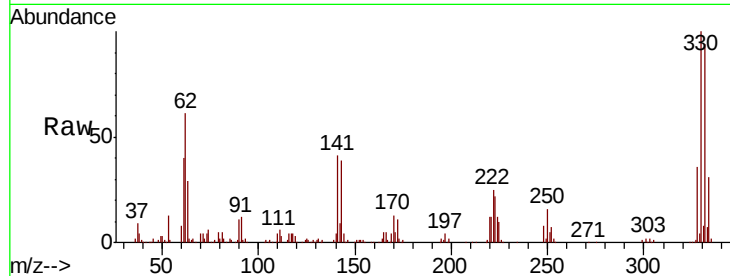
Tgt Ion:198 Resp: 911

Ion Ratio Lower Upper

198 100

51 197.6 27.4 67.4#

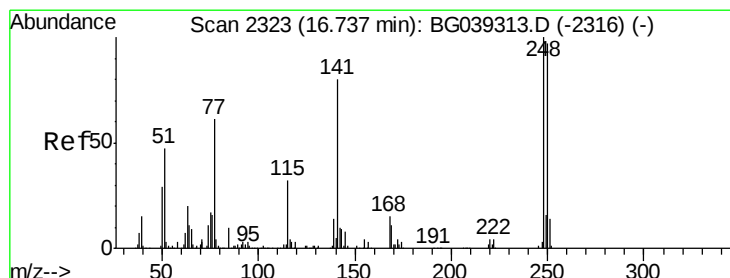
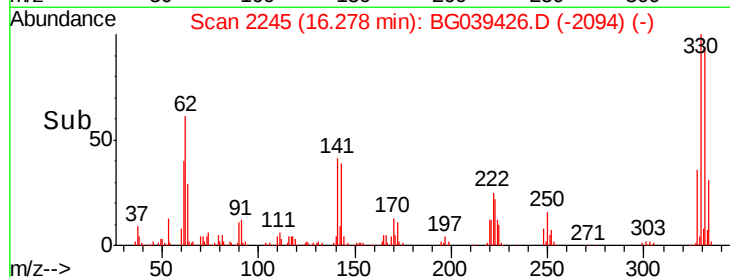
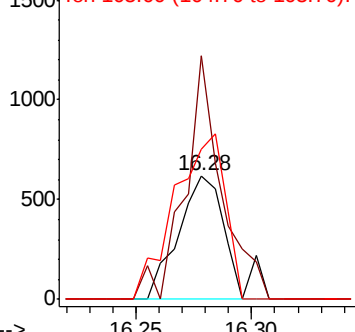
105 121.7 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG039313.D (-2177) (-)

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 5.077 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

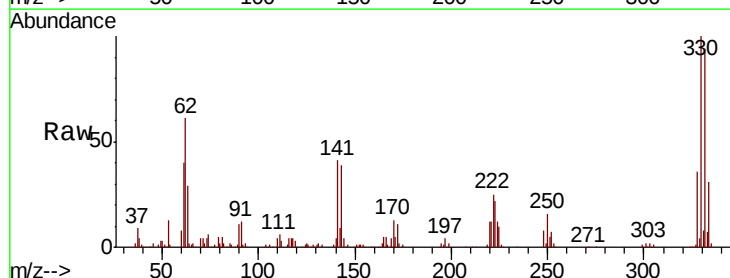
Tgt Ion:248 Resp: 19480

Ion Ratio Lower Upper

248 100

250 196.3 77.6 116.4#

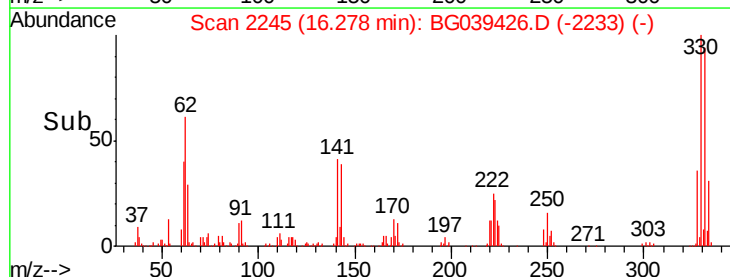
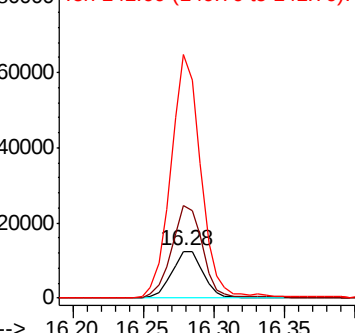
141 516.6 63.9 95.9#



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

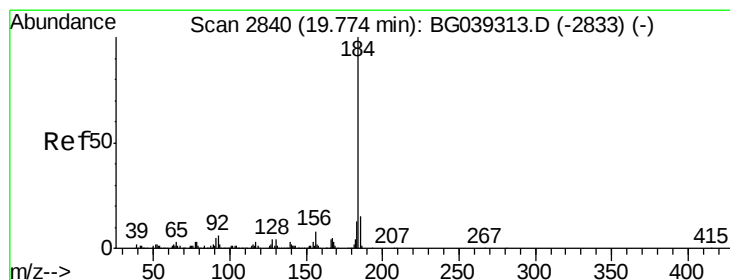
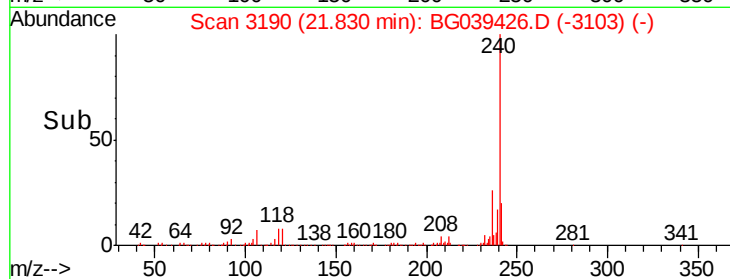
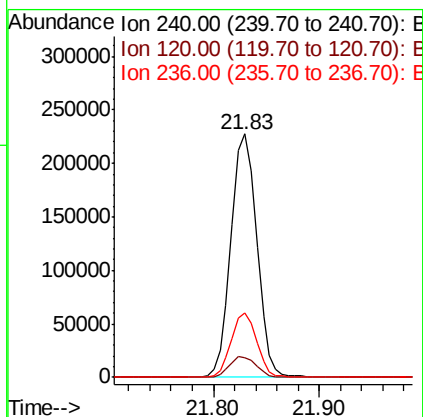
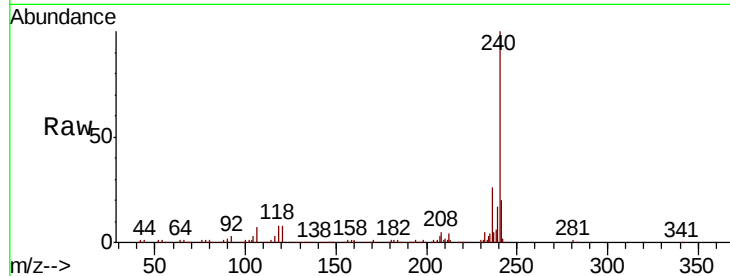




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039426.D
Acq: 8 Feb 2019 21:52

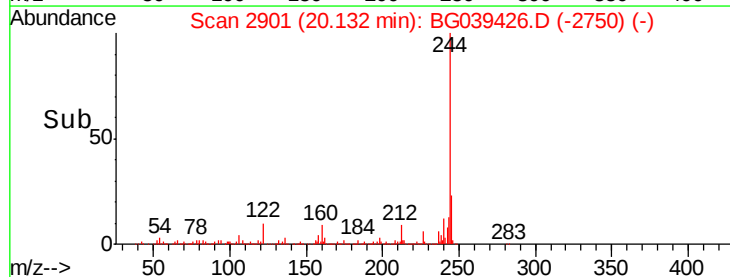
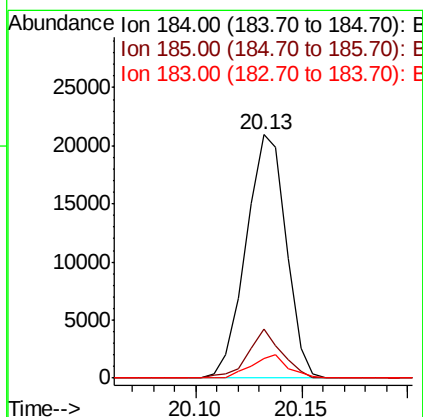
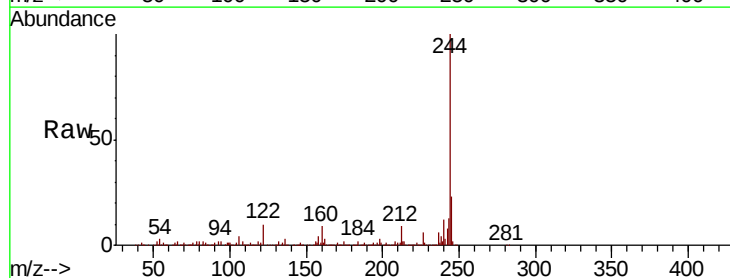
Instrument :
BNA_G
ClientSampleId :
PB116948TB

Tgt Ion:240 Resp: 386613
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 26.3 21.0 31.4



#77
Benzidine
Concen: 2.177 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039426.D
Acq: 8 Feb 2019 21:52

Tgt Ion:184 Resp: 27596
Ion Ratio Lower Upper
184 100
185 19.9 12.2 18.2#
183 8.2 10.6 15.8#





#79

Terphenyl-d14

Concen: 86.858 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

PB116948TB

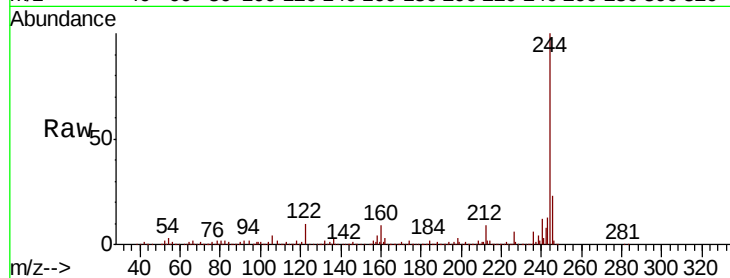
Tgt Ion:244 Resp: 1586469

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

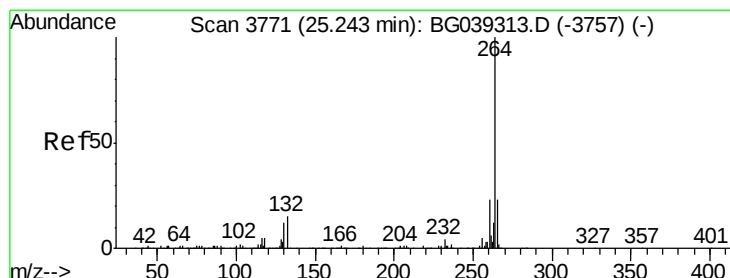
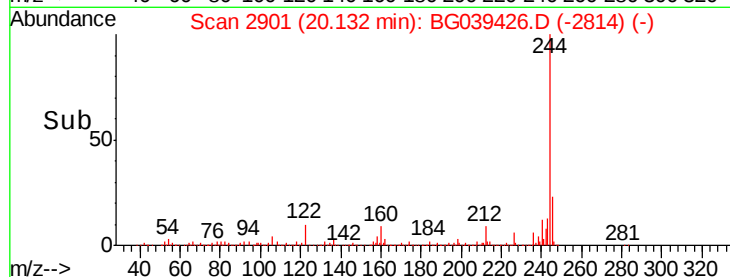
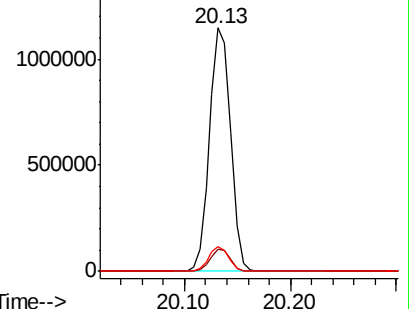
122 10.4 8.4 12.6



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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039426.D

Acq: 8 Feb 2019 21:52

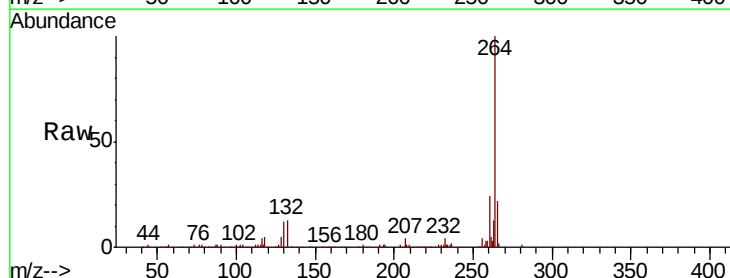
Tgt Ion:264 Resp: 378504

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 22.5 18.5 27.7



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

