

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022119\
 Data File : BG039583.D
 Acq On : 21 Feb 2019 22:44
 Operator : JU/SJ
 Sample : PB117266BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117266BL

Quant Time: Feb 21 23:20:40 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	45685	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	202060	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	147676	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	379428	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	401933	20.00	ng	-0.03
87) Perylene-d12	25.20	264	327945	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	393440	147.40	ng	0.00
7) Phenol-d6	7.32	99	579982	147.61	ng	0.00
23) Nitrobenzene-d5	9.34	82	329167	101.77	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	212757	133.79	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	860860	83.63	ng	-0.02
79) Terphenyl-d14	20.13	244	1475593	77.71	ng	-0.02

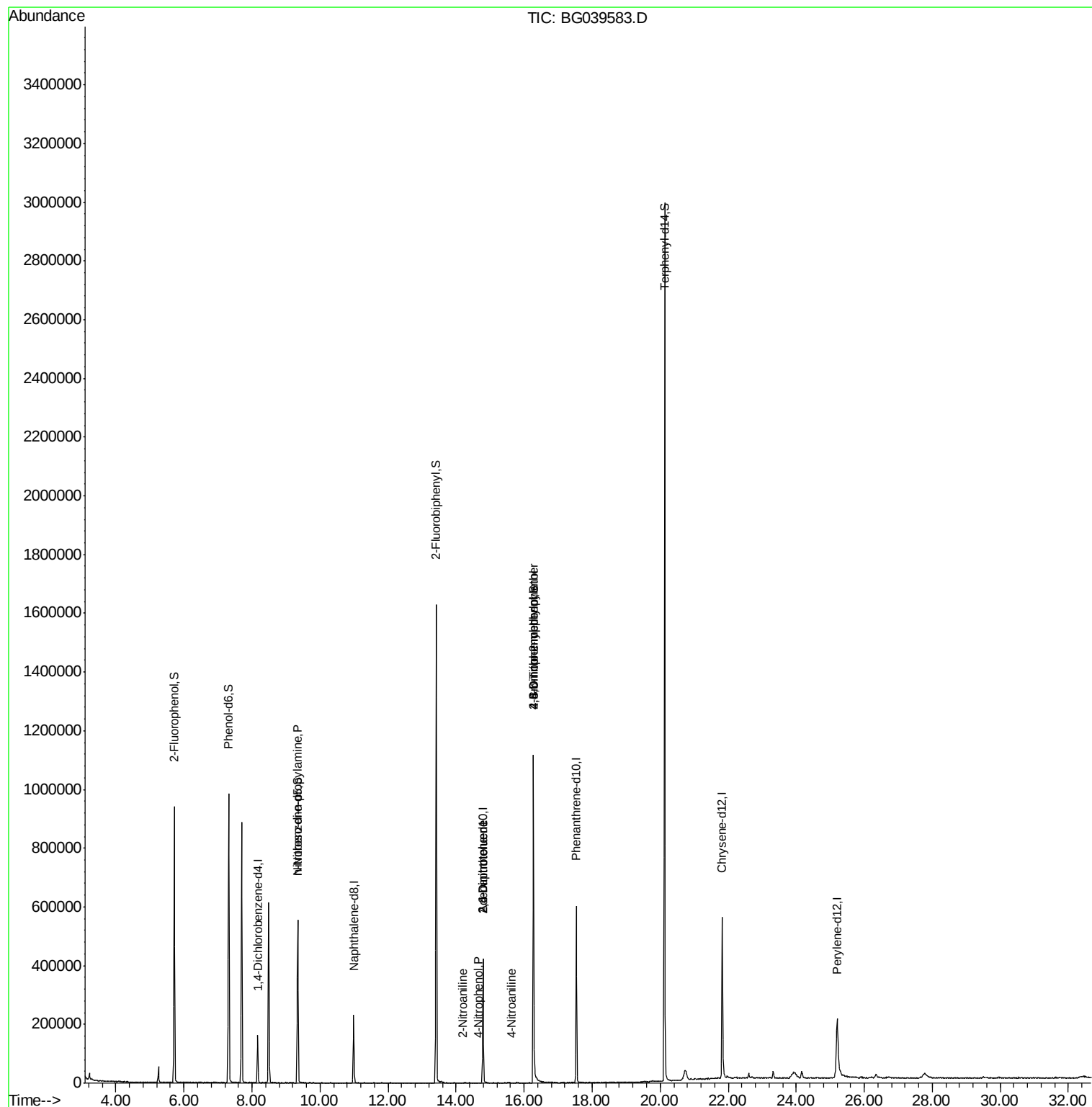
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	907	Below Cal		# 4
19) n-Nitroso-di-n-propylamine	9.34	70	42811	15.351	ng	# 66
48) 2-Nitroaniline	14.20	65	63	8.316	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	18279	13.639	ng	# 23
56) 4-Nitrophenol	14.66	139	69	5.823	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	18279	13.183	ng	# 18
62) 4-Nitroaniline	15.65	138	61	4.225	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	760	4.817	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	16510	3.922	ng	# 1

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

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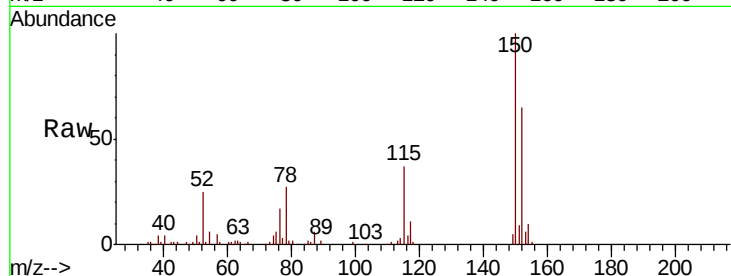


#1

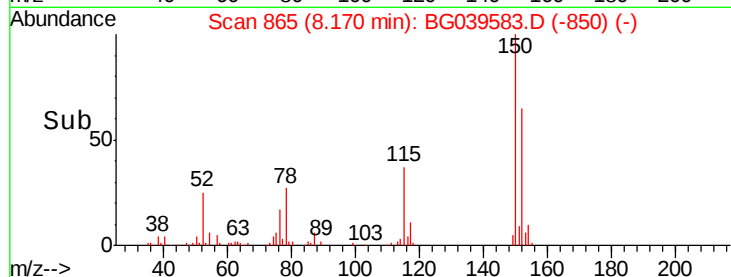
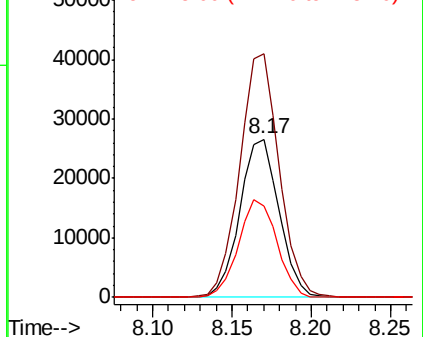
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039583.D
Acq: 21 Feb 2019 22:44

Instrument :
BNA_G
ClientSampleId :
PB117266BL

Tgt Ion:152 Resp: 45685
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 57.6 45.9 68.9



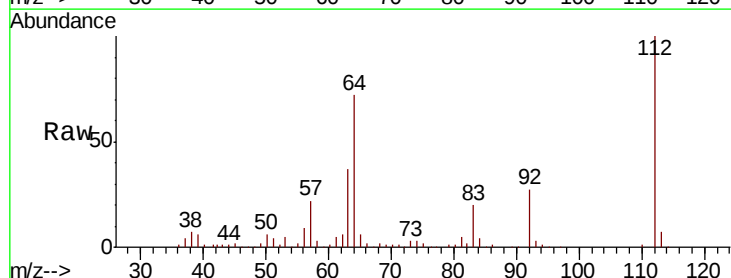
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



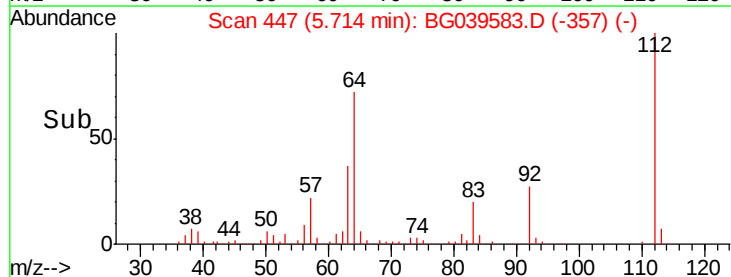
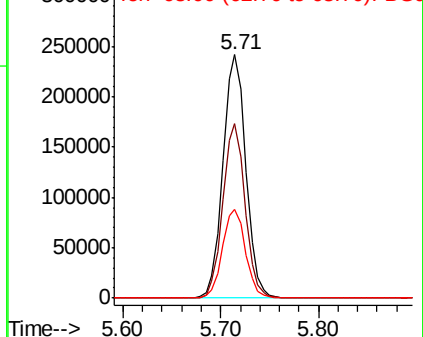
#5

2-Fluorophenol
Concen: 147.395 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039583.D
Acq: 21 Feb 2019 22:44

Tgt Ion:112 Resp: 393440
Ion Ratio Lower Upper
112 100
64 71.6 57.8 86.8
63 36.6 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: 147.612 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039583.D

Acq: 21 Feb 2019 22:44

Instrument :

BNA_G

ClientSampleId :

PB117266BL

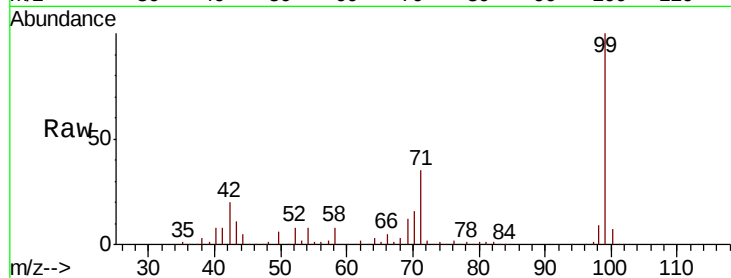
Tgt Ion: 99 Resp: 579982

Ion Ratio Lower Upper

99 100

42 20.2 18.2 27.2

71 35.0 28.0 42.0

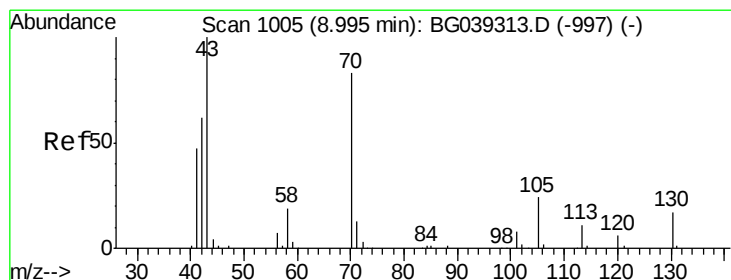
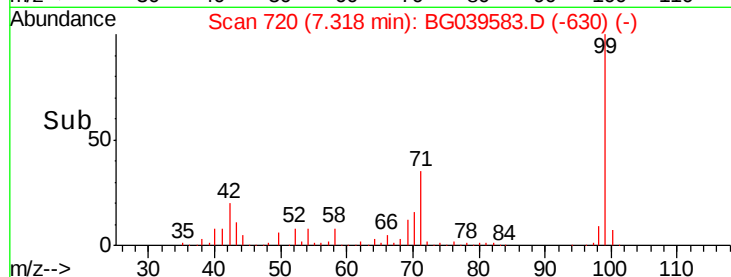
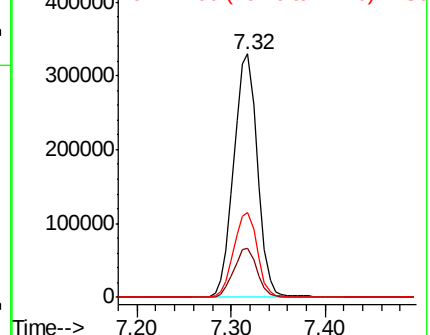


Abundance

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: 15.351 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039583.D

Acq: 21 Feb 2019 22:44

Tgt Ion: 70 Resp: 42811

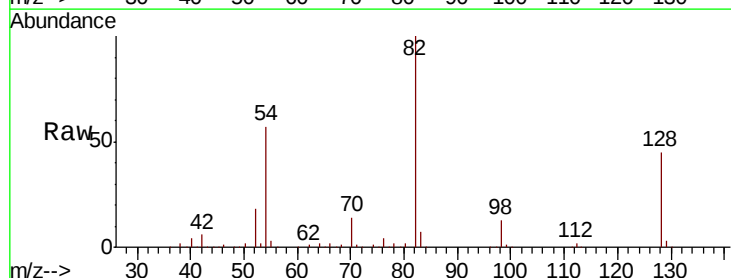
Ion Ratio Lower Upper

70 100

42 46.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.6 16.9 25.3#



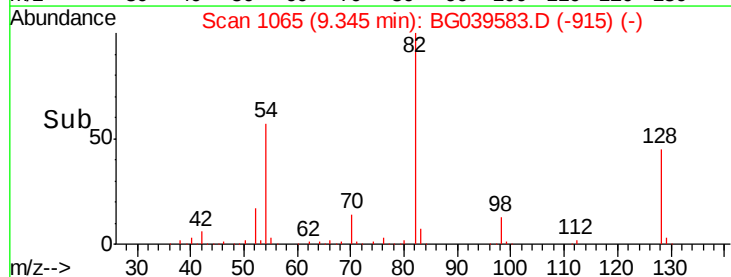
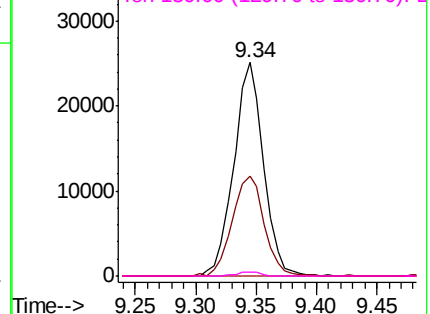
Abundance

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

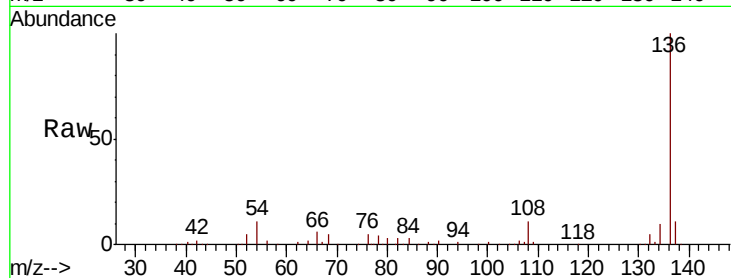




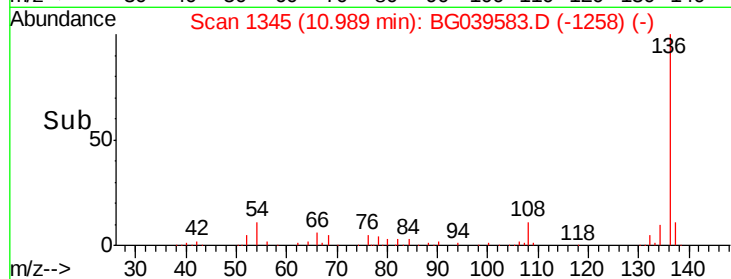
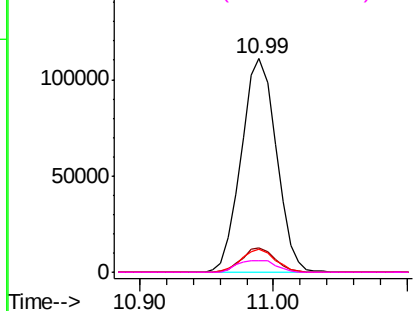
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039583.D
Acq: 21 Feb 2019 22:44

Instrument :
BNA_G
ClientSampleId :
PB117266BL

Tgt Ion:	136	Resp:	202060
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	10.7	9.4	14.2
68	5.4	4.2	6.4

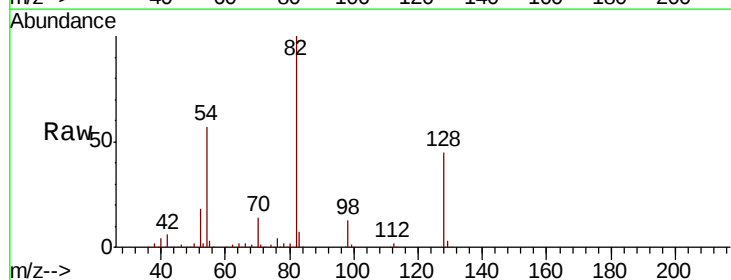


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

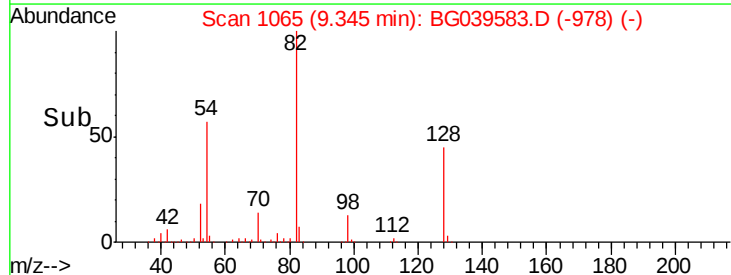
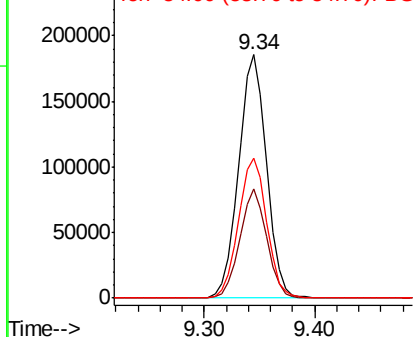


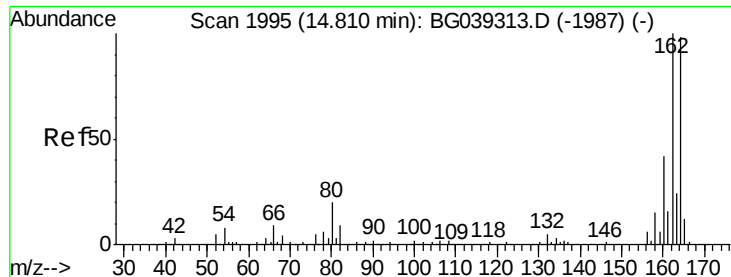
#23
Nitrobenzene-d5
Concen: 101.770 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039583.D
Acq: 21 Feb 2019 22:44

Tgt Ion:	82	Resp:	329167
Ion	Ratio	Lower	Upper
82	100		
128	44.6	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: BG039583.D

Acq: 21 Feb 2019 22:44

Instrument :

BNA_G

ClientSampleId :

PB117266BL

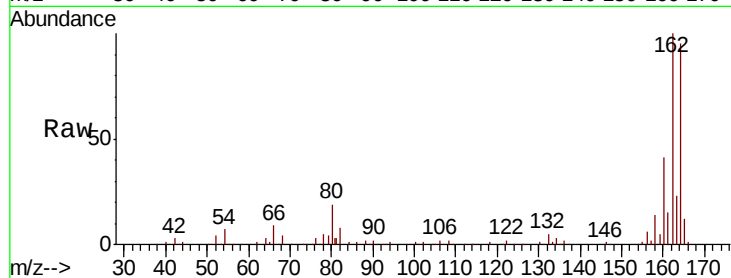
Tgt Ion:164 Resp: 147676

Ion Ratio Lower Upper

164 100

162 105.5 81.6 122.4

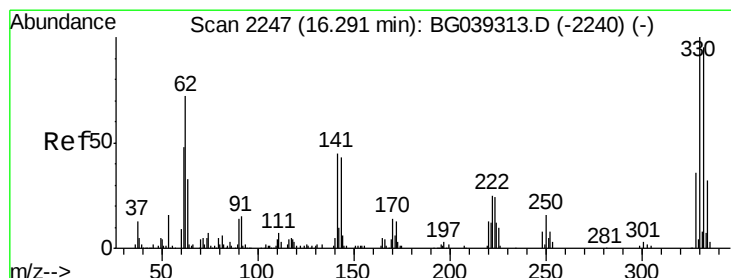
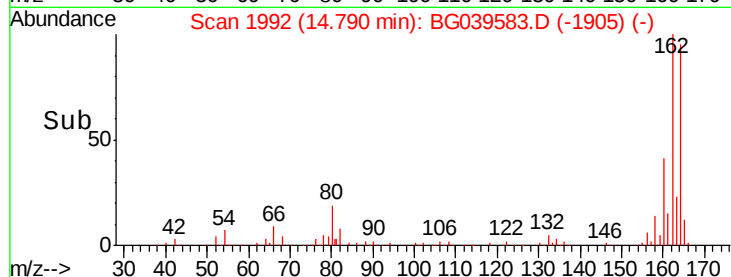
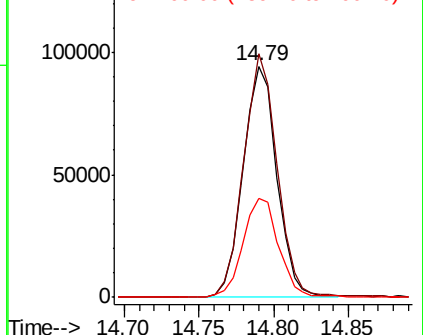
160 42.9 34.2 51.2



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: 133.791 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039583.D

Acq: 21 Feb 2019 22:44

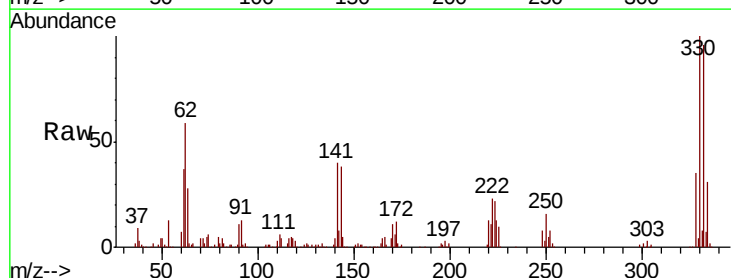
Tgt Ion:330 Resp: 212757

Ion Ratio Lower Upper

330 100

332 93.0 75.7 113.5

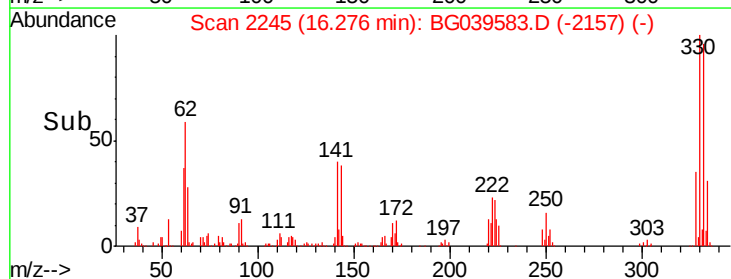
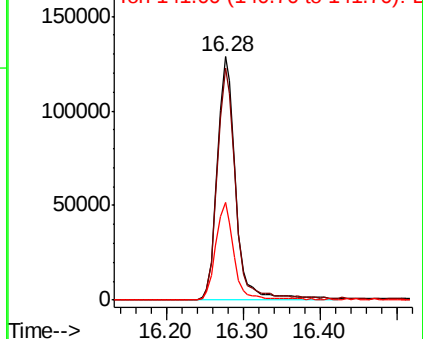
141 38.5 35.6 53.4



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

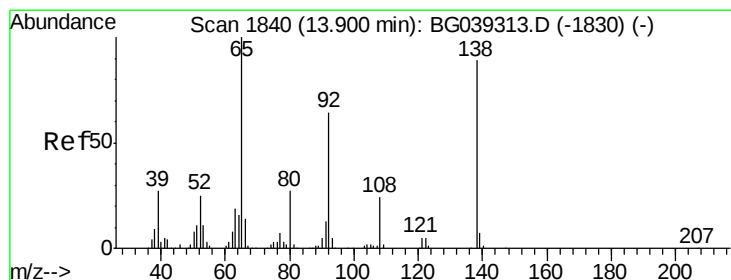
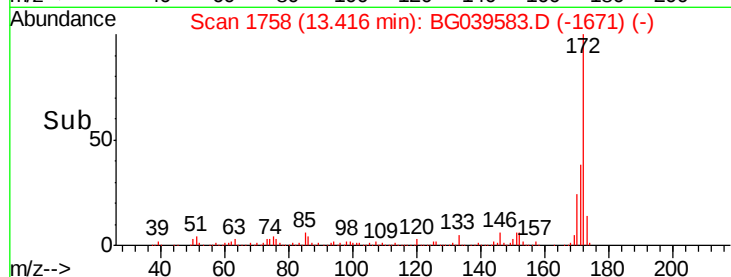
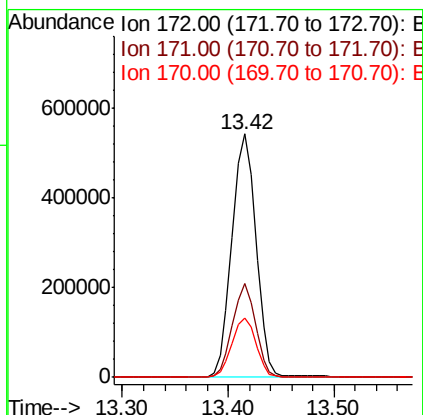
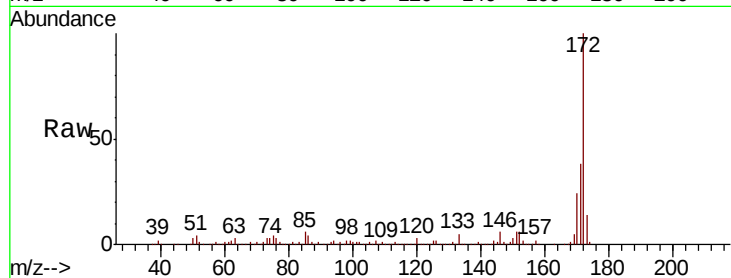




#45
 2-Fluorobiphenyl
 Concen: 83.625 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039583.D
 Acq: 21 Feb 2019 22:44

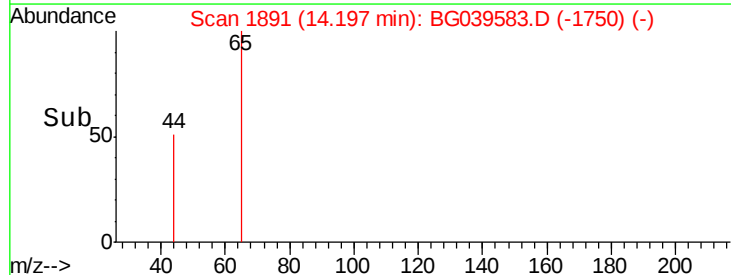
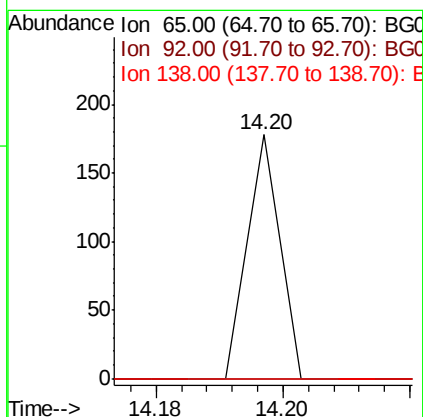
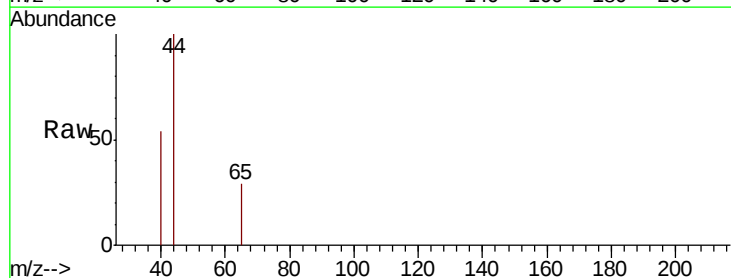
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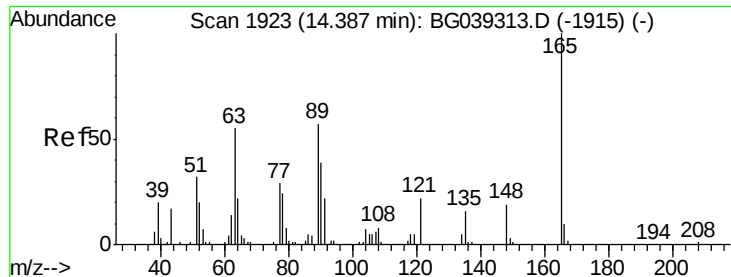
Tgt Ion: 172 Resp: 860860
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.8 46.2
 170 24.3 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.316 ng
 RT: 14.20 min Scan# 1891
 Delta R.T. 0.30 min
 Lab File: BG039583.D
 Acq: 21 Feb 2019 22:44

Tgt Ion: 65 Resp: 63
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#

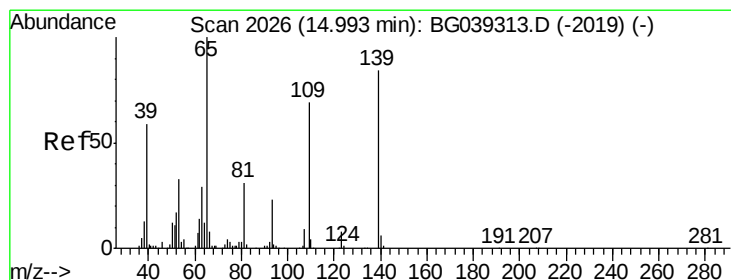
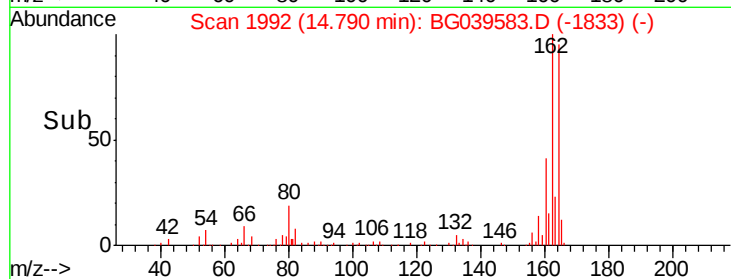
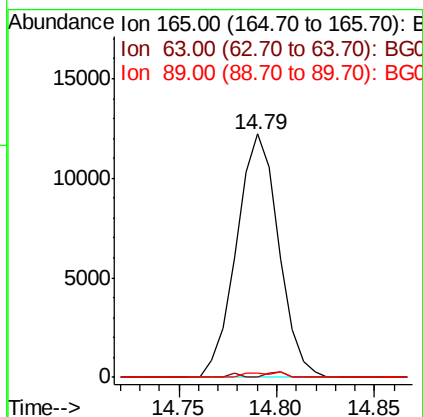
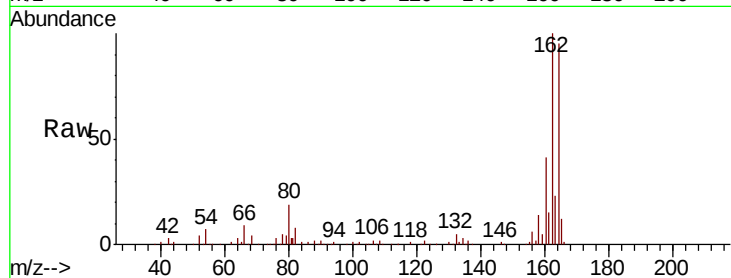




#51
 2,6-Dinitrotoluene
 Concen: 13.639 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. 0.40 min
 Lab File: BG039583.D
 Acq: 21 Feb 2019 22:44

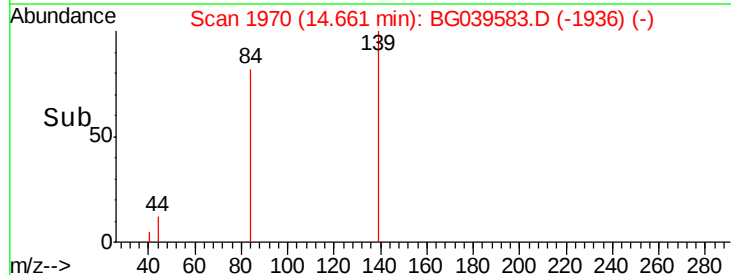
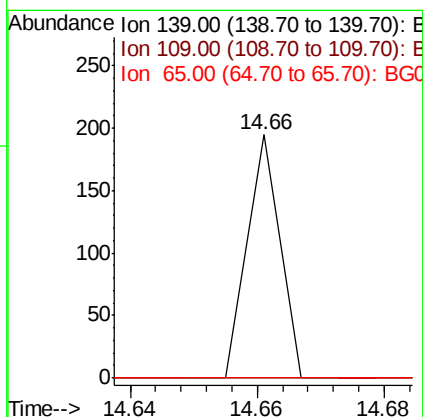
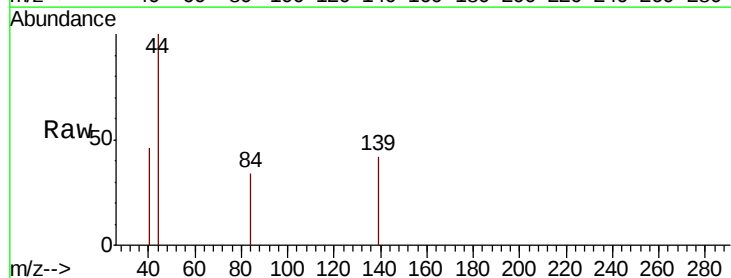
Instrument :
 BNA_G
 ClientSampleId :
 PB117266BL

Tgt Ion:165 Resp: 18279
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 1.5 45.8 68.8#



#56
 4-Nitrophenol
 Concen: 5.823 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.33 min
 Lab File: BG039583.D
 Acq: 21 Feb 2019 22:44

Tgt Ion:139 Resp: 69
 Ion Ratio Lower Upper
 139 100
 109 0.0 61.9 101.9#
 65 0.0 99.1 139.1#





#57

2,4-Dinitrotoluene

Concen: 13.183 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039583.D

Acq: 21 Feb 2019 22:44

Instrument :

BNA_G

ClientSampleId :

PB117266BL

Tgt Ion:165 Resp: 18279

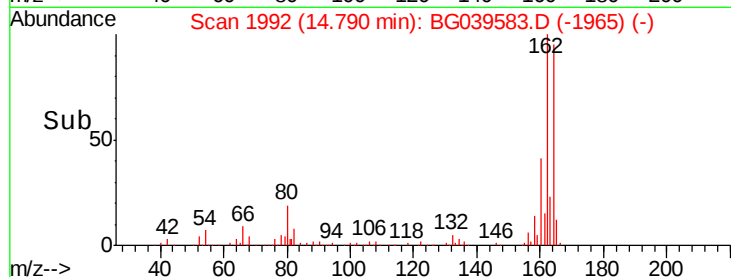
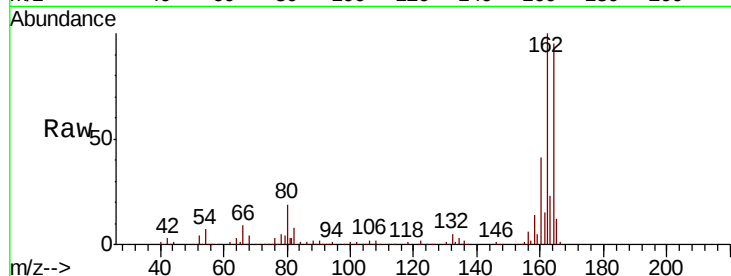
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 1.5 64.6 96.8#

182 0.0 2.0 3.0#

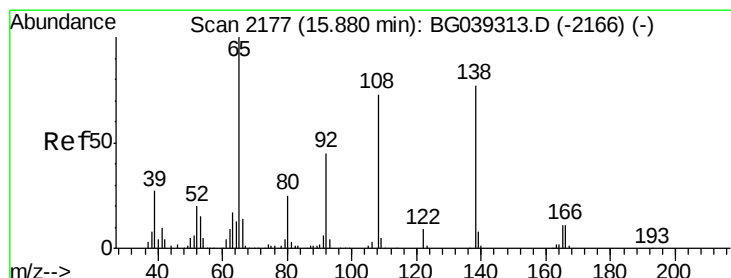
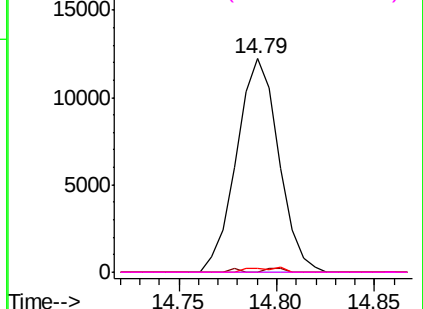


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

4-Nitroaniline

Concen: 4.225 ng

RT: 15.65 min Scan# 2138

Delta R.T. -0.23 min

Lab File: BG039583.D

Acq: 21 Feb 2019 22:44

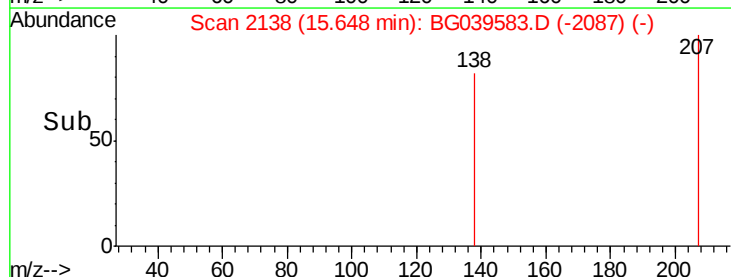
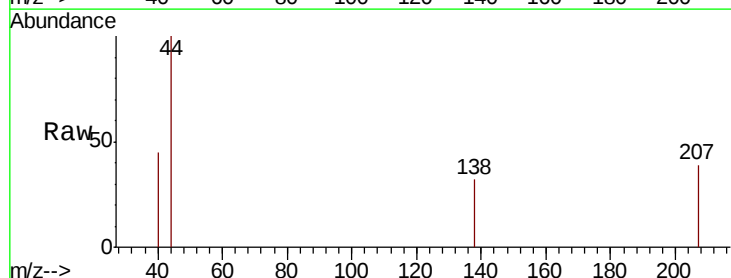
Tgt Ion:138 Resp: 61

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

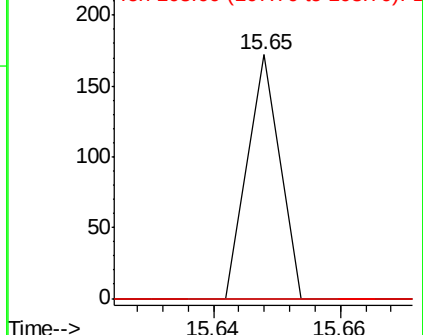
108 0.0 74.6 114.6#

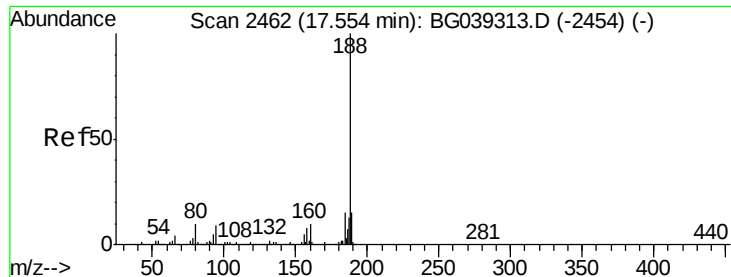


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039583.D

Acq: 21 Feb 2019 22:44

Instrument :

BNA_G

ClientSampleId :

PB117266BL

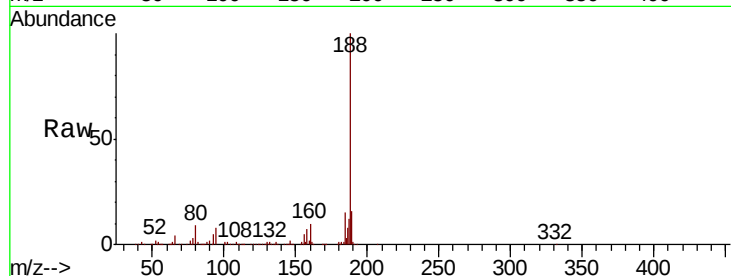
Tgt Ion:188 Resp: 379428

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

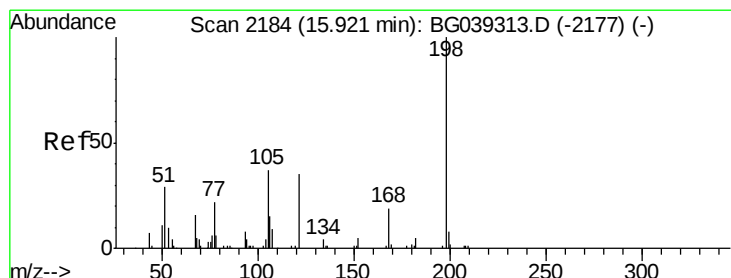
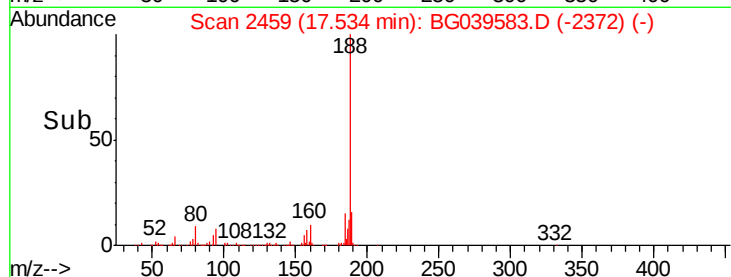
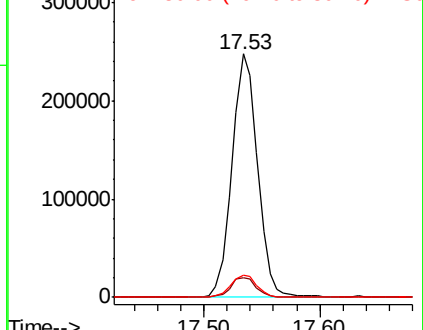
80 9.2 8.1 12.1



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: 4.817 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039583.D

Acq: 21 Feb 2019 22:44

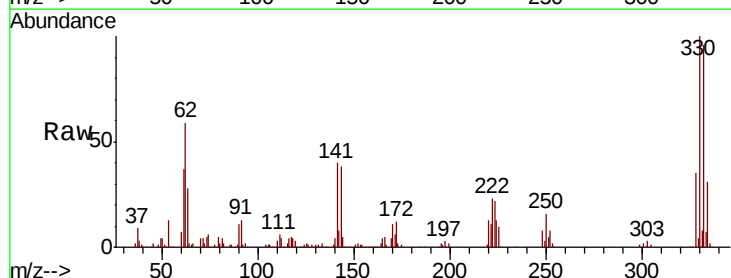
Tgt Ion:198 Resp: 760

Ion Ratio Lower Upper

198 100

51 133.1 27.4 67.4#

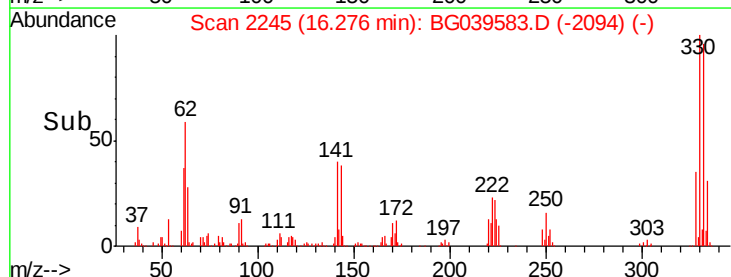
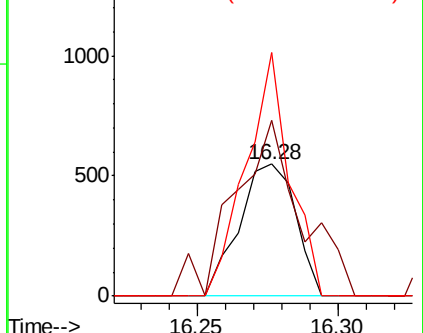
105 184.2 19.7 59.7#

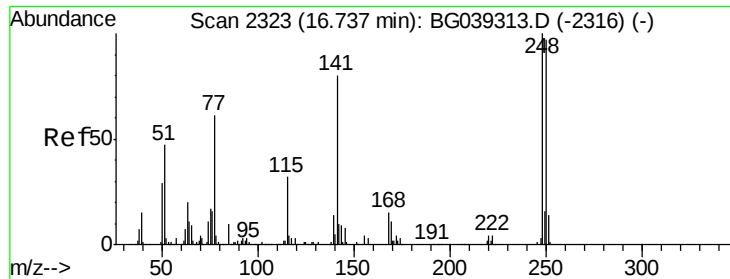


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

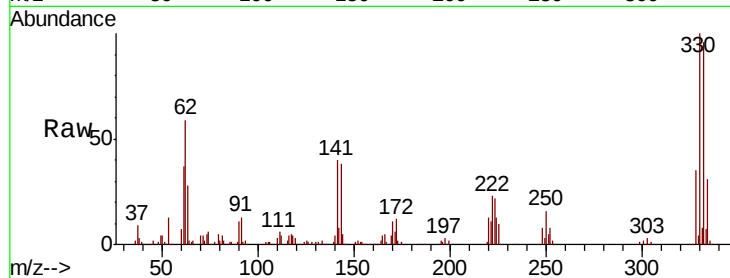




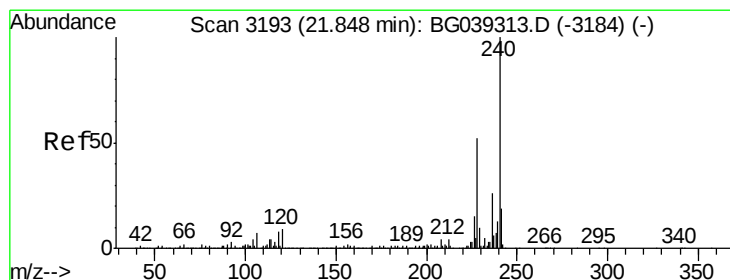
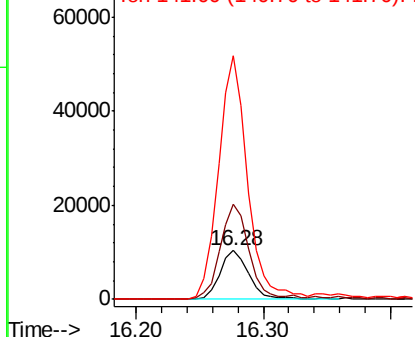
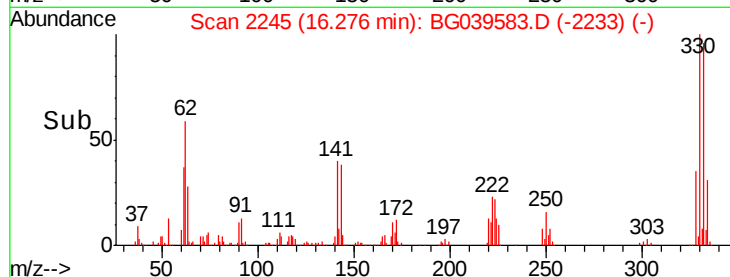
#67
 4-Bromophenyl-phenylether
 Concen: 3.922 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039583.D
 Acq: 21 Feb 2019 22:44

Instrument :
 BNA_G
 ClientSampleId :
 PB117266BL

Tgt Ion:248 Resp: 16510
 Ion Ratio Lower Upper
 248 100
 250 195.1 77.6 116.4#
 141 501.9 63.9 95.9#

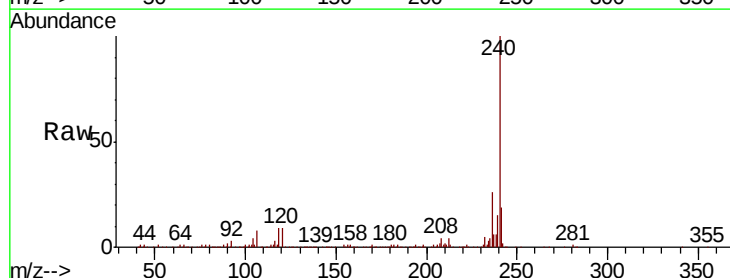


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

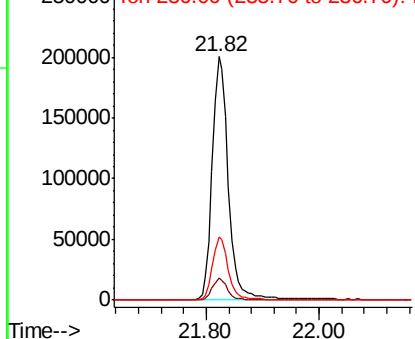
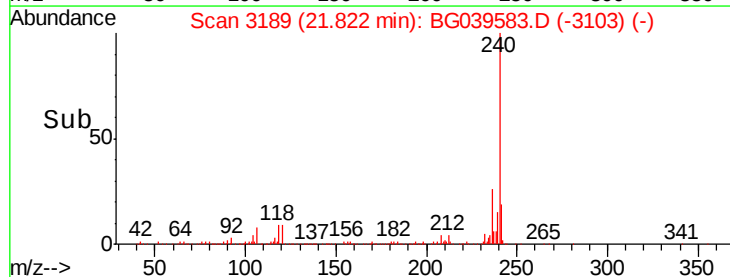


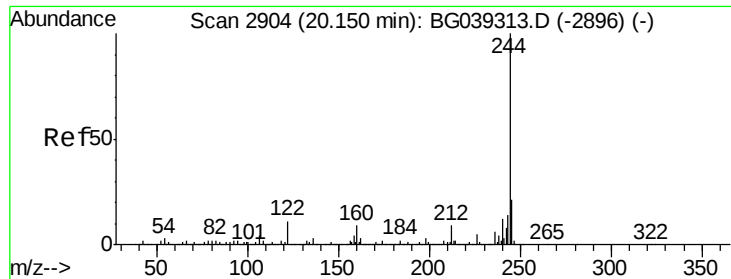
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039583.D
 Acq: 21 Feb 2019 22:44

Tgt Ion:240 Resp: 401933
 Ion Ratio Lower Upper
 240 100
 120 9.2 7.0 10.6
 236 25.7 21.0 31.4



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





#79

Terphenyl-d14

Concen: 77.709 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039583.D

Acq: 21 Feb 2019 22:44

Instrument :

BNA_G

ClientSampleId :

PB117266BL

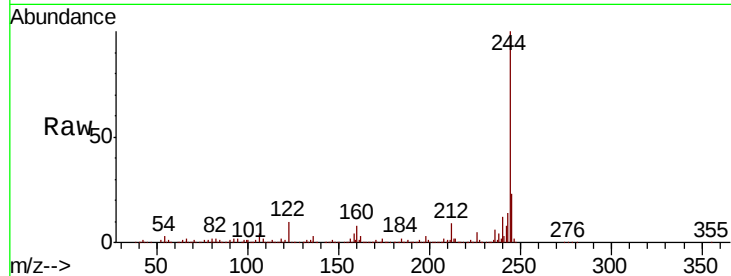
Tgt Ion:244 Resp: 1475593

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

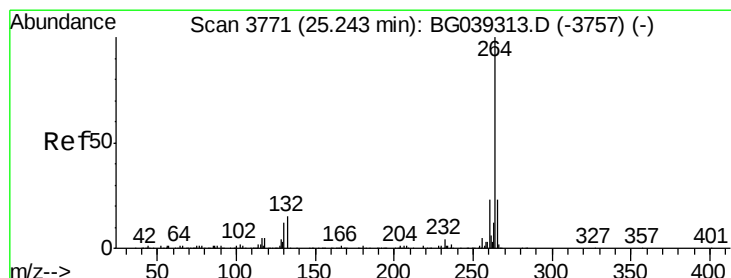
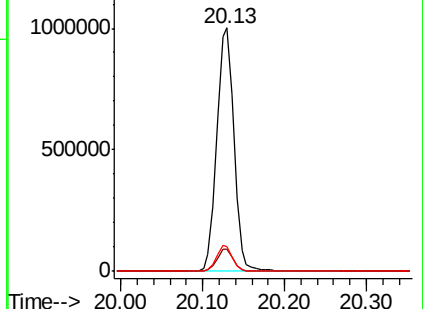
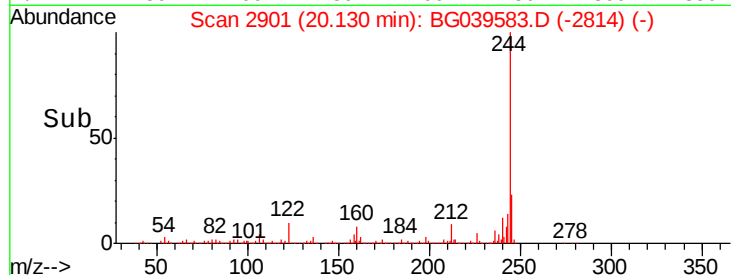
122 10.3 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039583.D

Acq: 21 Feb 2019 22:44

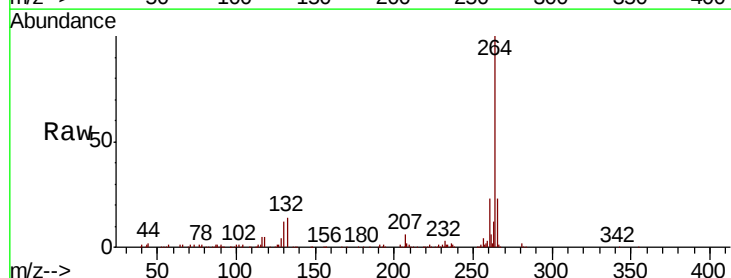
Tgt Ion:264 Resp: 327945

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 23.0 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

