

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG060719\
 Data File : BG041096.D
 Acq On : 7 Jun 2019 11:36
 Operator : HP/JU
 Sample : PB120399BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB120399BL

Quant Time: Jun 08 06:56:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

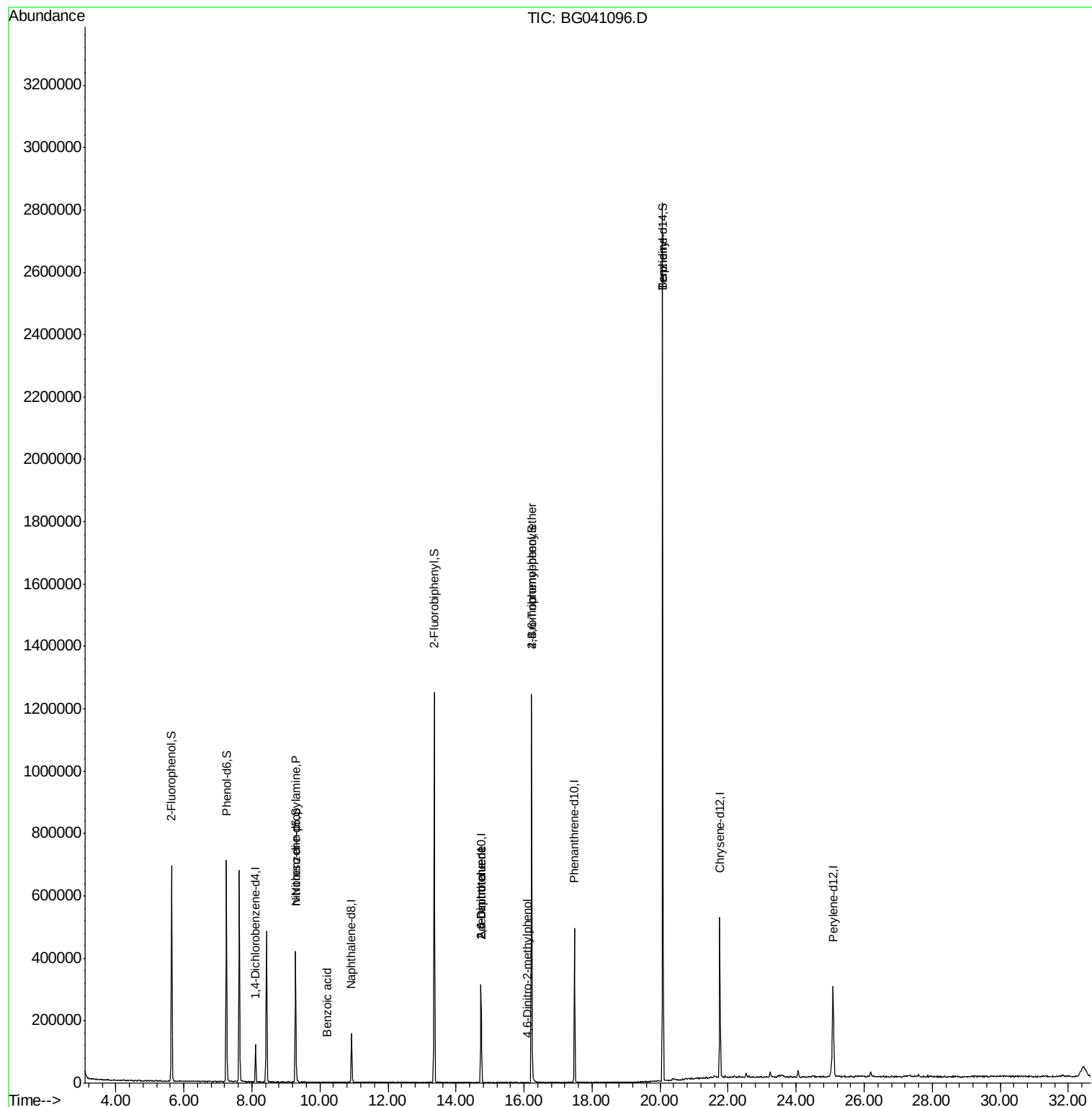
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	32419	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	128942	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	107951	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	314513	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	313048	20.00	ng	-0.03
87) Perylene-d12	25.08	264	329097	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	260073	144.66	ng	-0.02
7) Phenol-d6	7.25	99	378941	136.48	ng	-0.02
23) Nitrobenzene-d5	9.28	82	251922	86.73	ng	-0.02
42) 2,4,6-Tribromophenol	16.22	330	234395	146.26	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	638271	85.15	ng	-0.02
79) Terphenyl-d14	20.08	244	1347656	91.37	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	35389	16.562	ng	# 77
32) Benzoic acid	10.22	122	62	8.163	ng	# 1
51) 2,6-Dinitrotoluene	14.74	165	13674	6.940	ng	# 20
57) 2,4-Dinitrotoluene	14.74	165	13674	4.913	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.10	198	54	8.616	ng	# 36
67) 4-Bromophenyl-phenylether	16.22	248	16895	3.980	ng	# 1
77) Benzidine	20.08	184	22660	3.034	ng	# 94

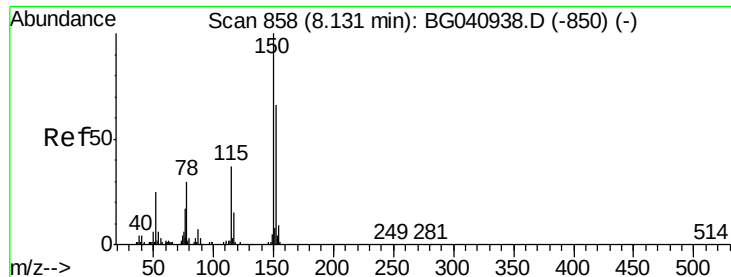
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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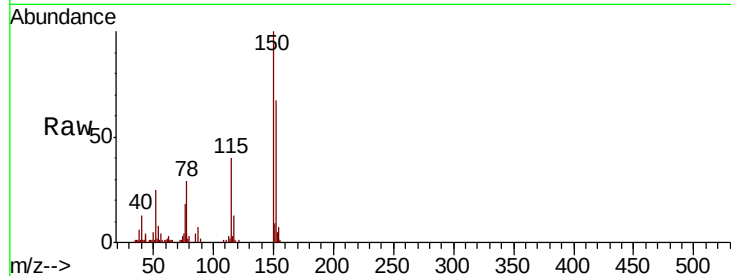


#1

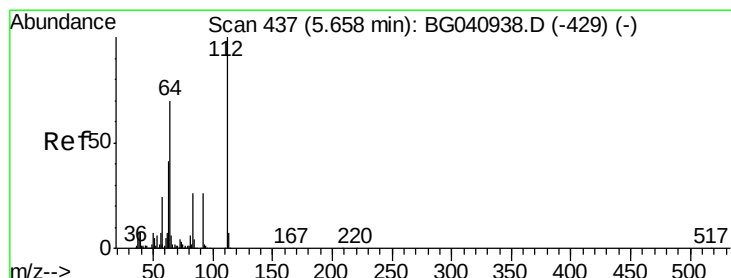
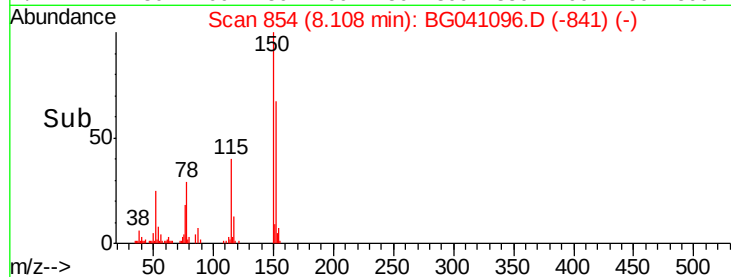
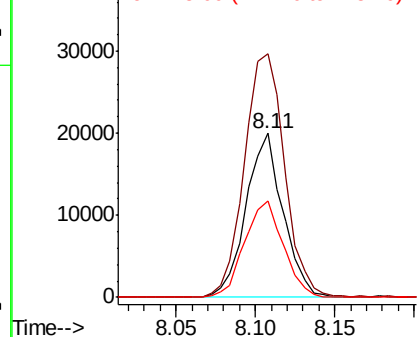
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. -0.02 min
Lab File: BG041096.D
Acq: 7 Jun 2019 11:36

Instrument :
BNA_G
ClientSampleId :
PB120399BL

Tgt Ion:152 Resp: 32419
Ion Ratio Lower Upper
152 100
150 148.6 120.6 180.8
115 59.0 45.1 67.7



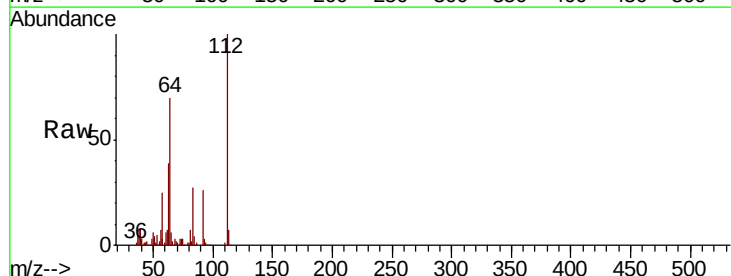
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



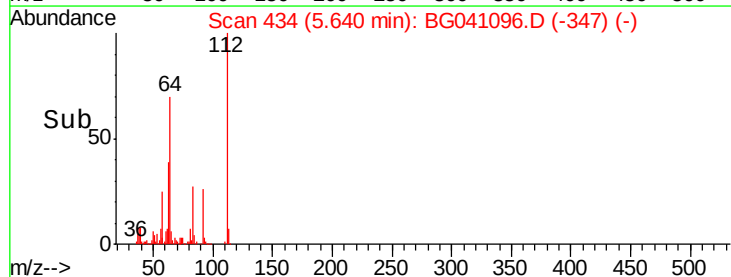
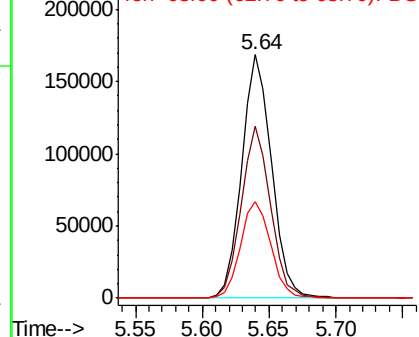
#5

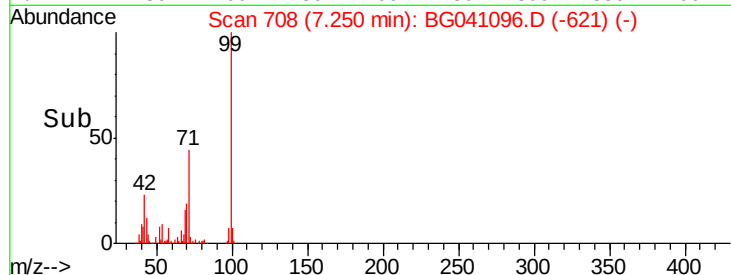
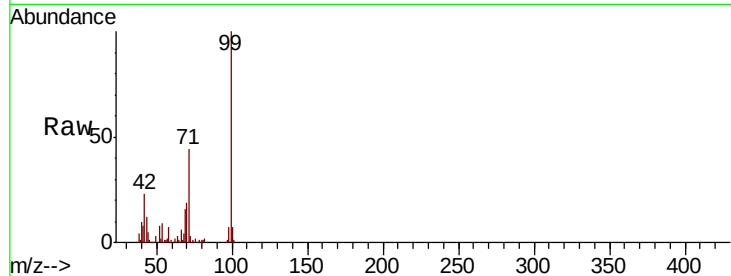
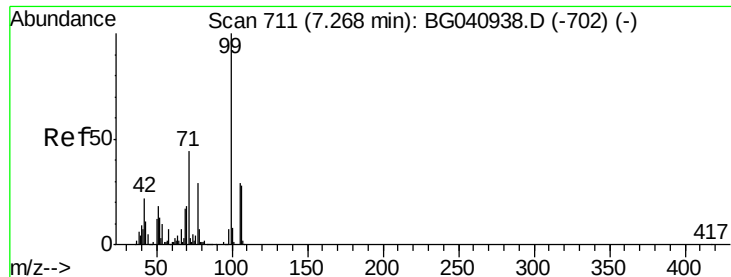
2-Fluorophenol
Concen: 144.658 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG041096.D
Acq: 7 Jun 2019 11:36

Tgt Ion:112 Resp: 260073
Ion Ratio Lower Upper
112 100
64 70.4 56.2 84.2
63 39.4 32.8 49.2



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: 136.477 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

Instrument :

BNA_G

ClientSampleId :

PB120399BL

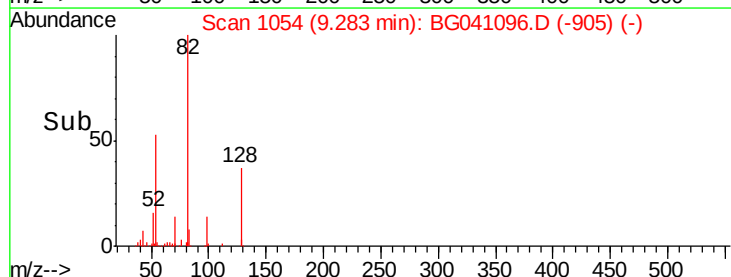
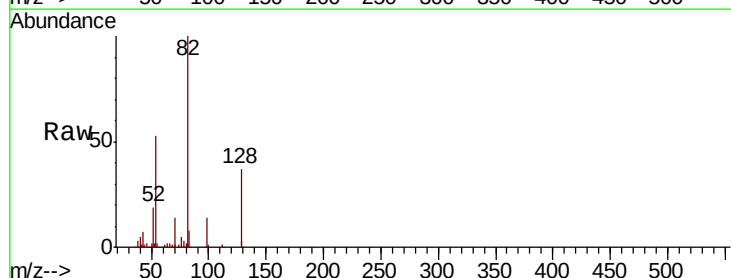
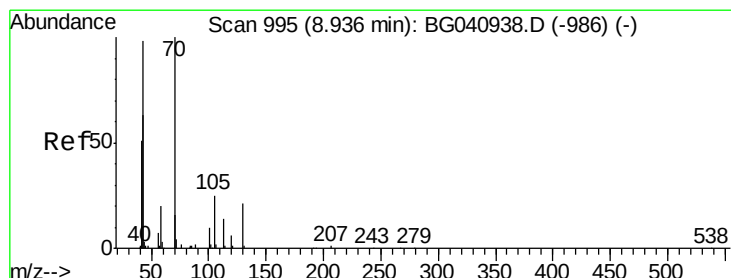
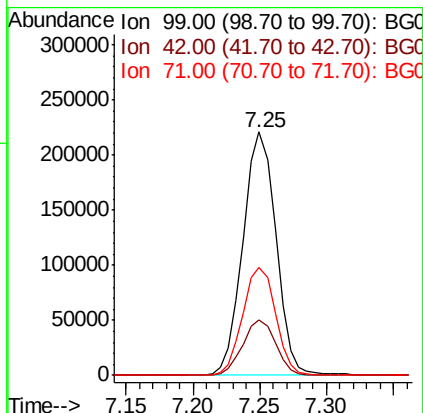
Tgt Ion: 99 Resp: 378941

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

71 44.2 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.562 ng

RT: 9.28 min Scan# 1054

Delta R.T. 0.35 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

Tgt Ion: 70 Resp: 35389

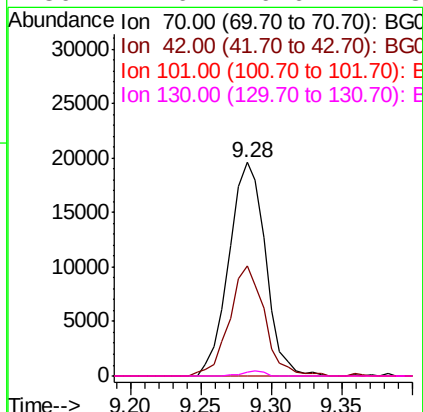
Ion Ratio Lower Upper

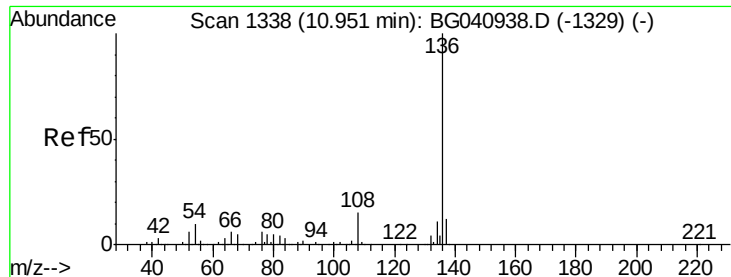
70 100

42 51.7 51.5 77.3

101 0.0 8.1 12.1#

130 1.6 16.6 24.8#

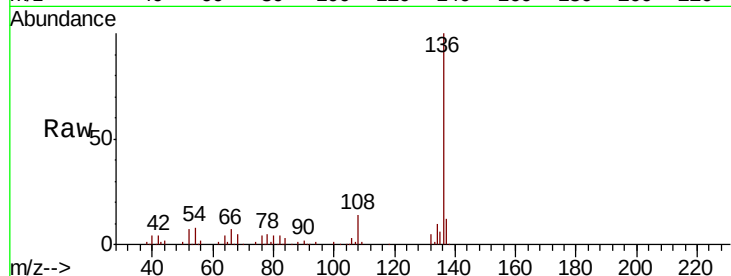




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BG041096.D
Acq: 7 Jun 2019 11:36

Instrument :
BNA_G
ClientSampleId :
PB120399BL

Tgt Ion:	136	Resp:	128942
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.0	7.6	11.4
68	4.8	3.9	5.9



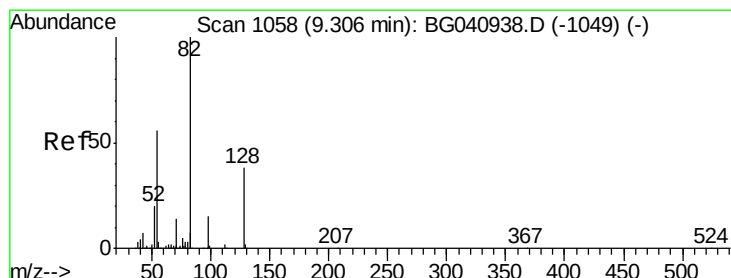
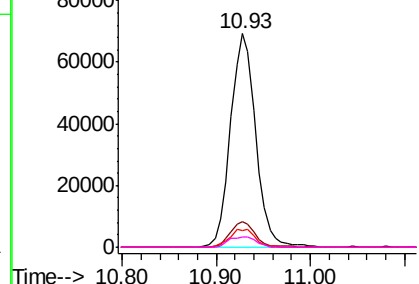
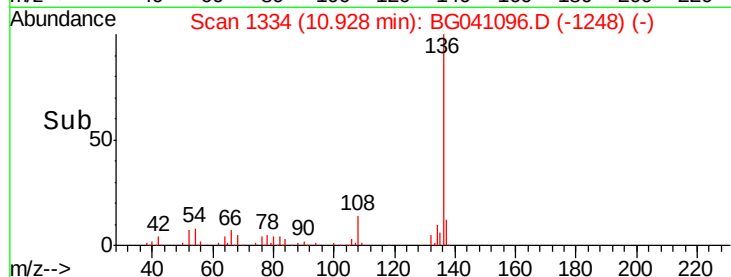
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

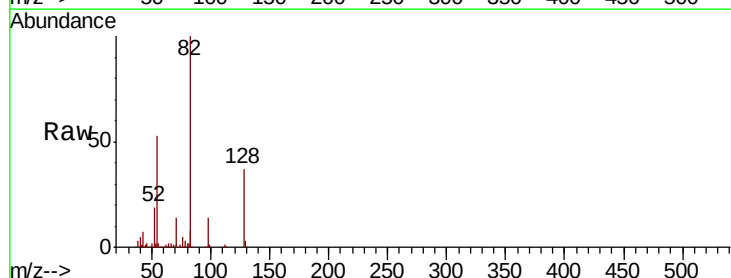
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 86.735 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BG041096.D
Acq: 7 Jun 2019 11:36

Tgt Ion:	82	Resp:	251922
Ion	Ratio	Lower	Upper
82	100		
128	36.8	30.5	45.7
54	53.2	44.6	66.8

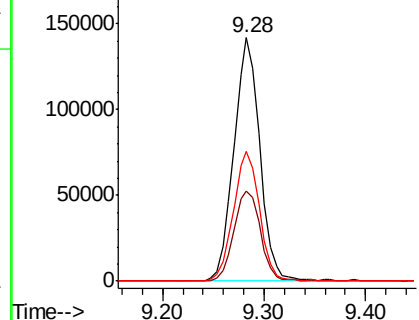
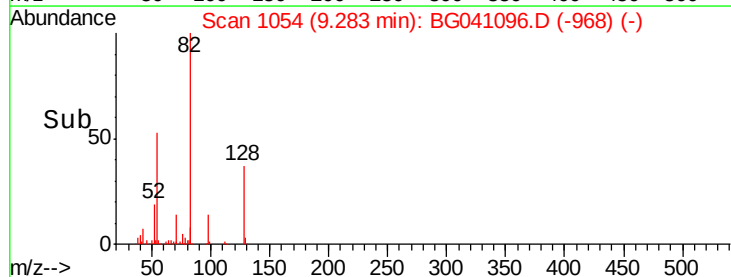


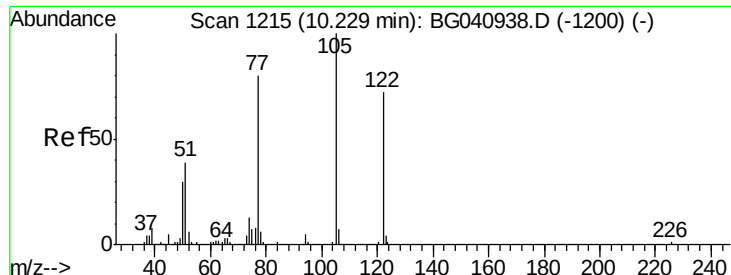
Abundance

Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 8.163 ng

RT: 10.22 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

Instrument :

BNA_G

ClientSampleId :

PB120399BL

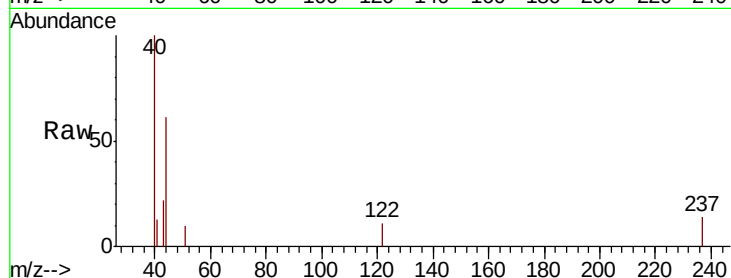
Tgt Ion:122 Resp: 62

Ion Ratio Lower Upper

122 100

105 0.0 114.8 154.8#

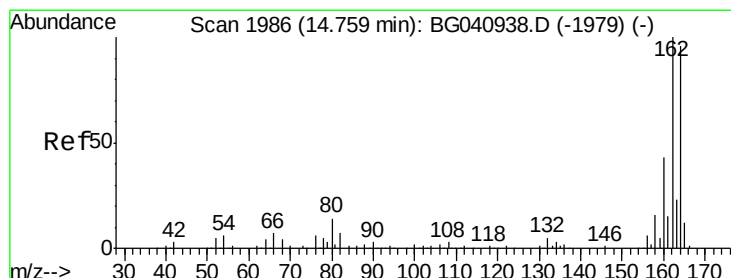
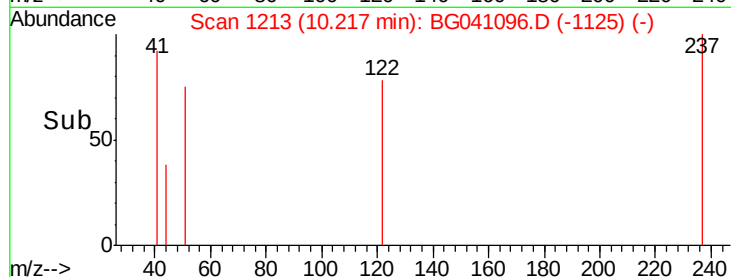
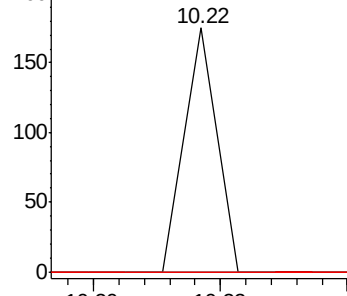
77 0.0 89.9 129.9#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.02 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

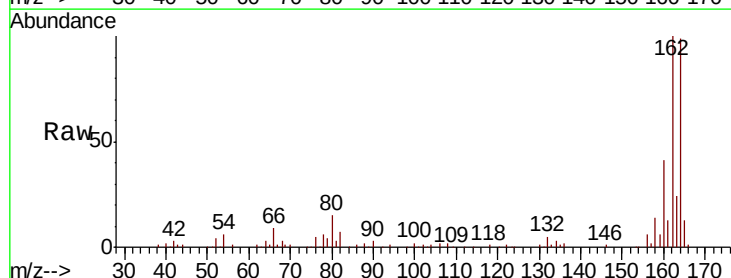
Tgt Ion:164 Resp: 107951

Ion Ratio Lower Upper

164 100

162 101.0 83.0 124.4

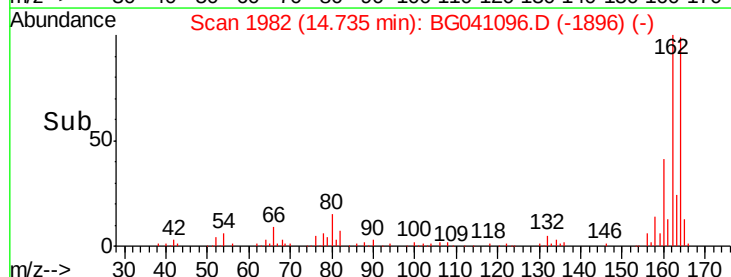
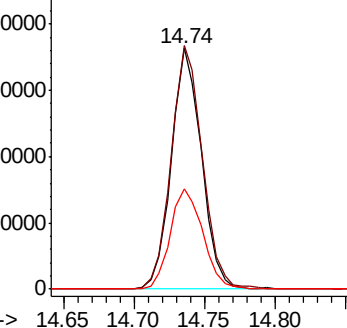
160 41.7 35.6 53.4

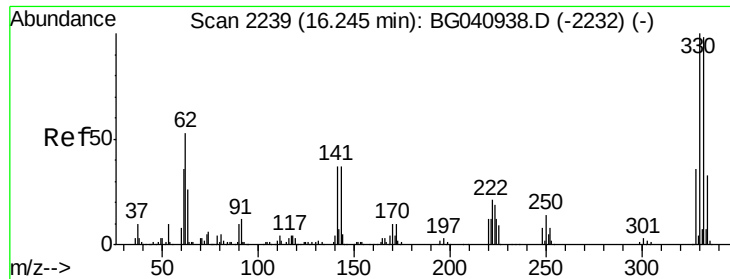


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

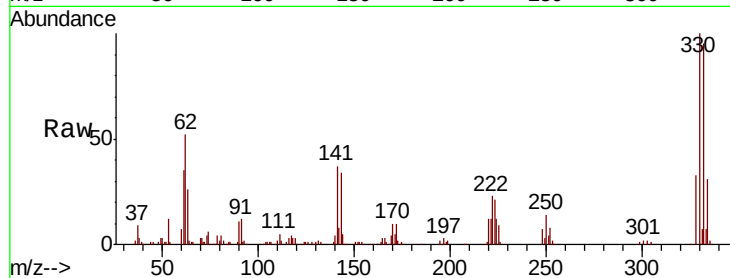




#42
 2,4,6-Tribromophenol
 Concen: 146.258 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.02 min
 Lab File: BG041096.D
 Acq: 7 Jun 2019 11:36

Instrument :
 BNA_G
 ClientSampleId :
 PB120399BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.5	117.7
141	35.0	28.7	43.1

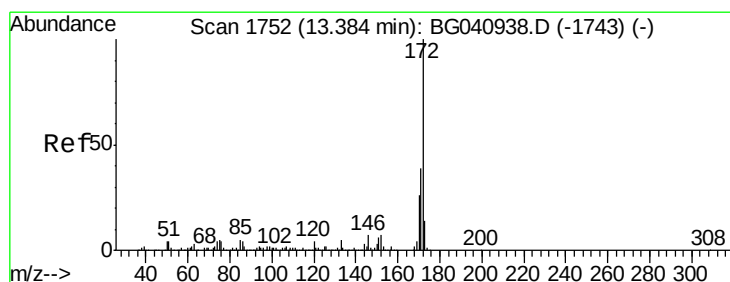
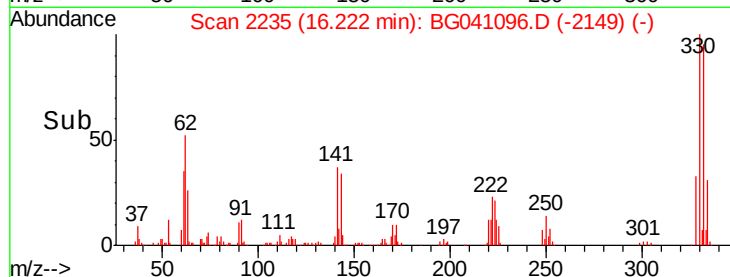
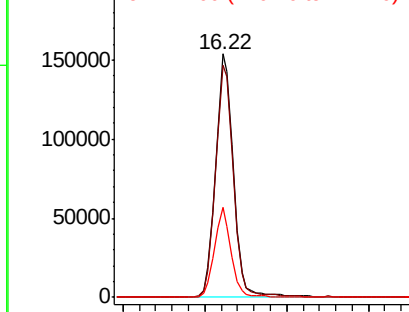


Abundance

Ion 329.80 (329.50 to 330.50): E

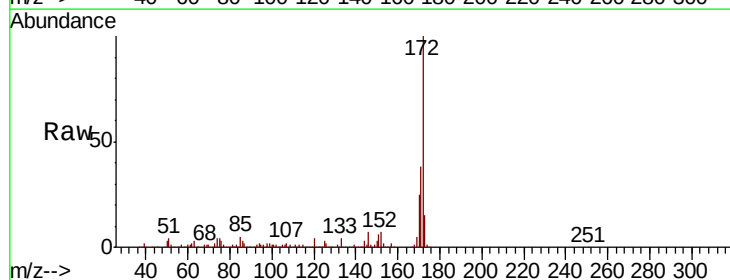
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.148 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BG041096.D
 Acq: 7 Jun 2019 11:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.1	46.7
170	24.8	20.5	30.7

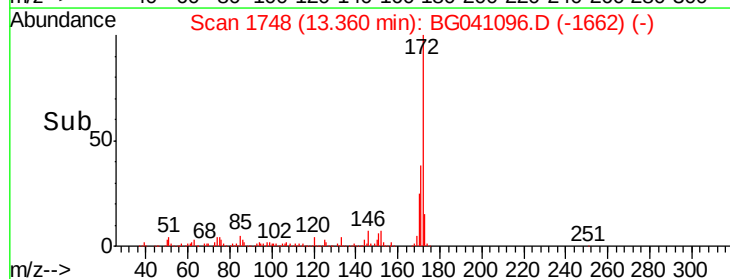
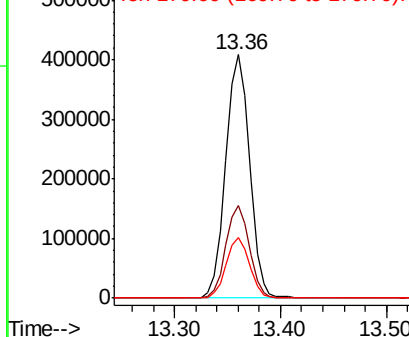


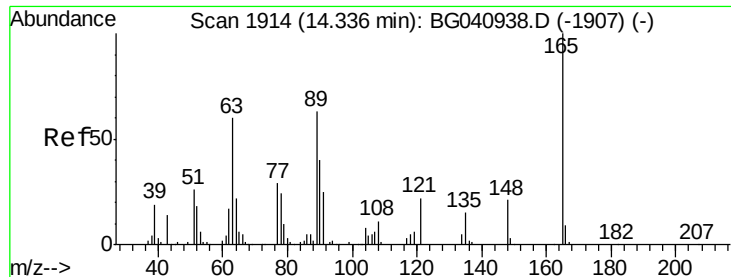
Abundance

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: 6.940 ng

RT: 14.74 min Scan# 1982

Delta R.T. 0.40 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

Instrument :

BNA_G

ClientSampleId :

PB120399BL

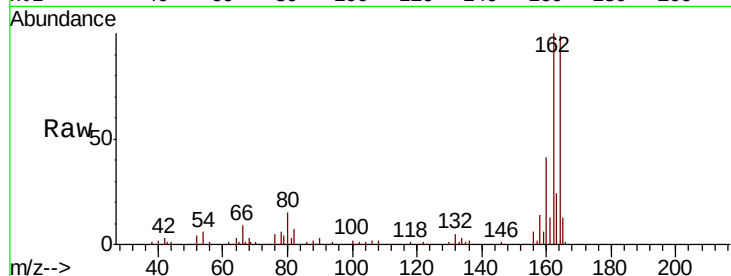
Tgt Ion:165 Resp: 13674

Ion Ratio Lower Upper

165 100

63 1.6 53.6 80.4#

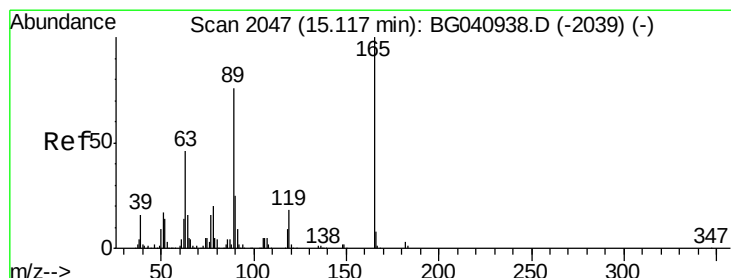
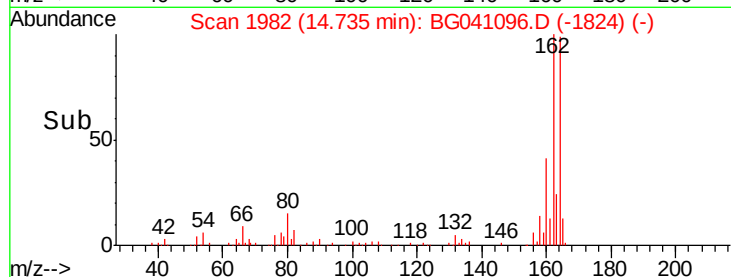
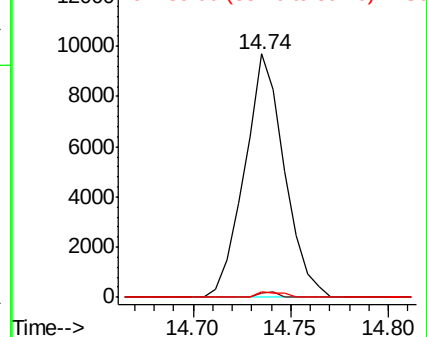
89 2.5 50.4 75.6#



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: 4.913 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.38 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

Tgt Ion:165 Resp: 13674

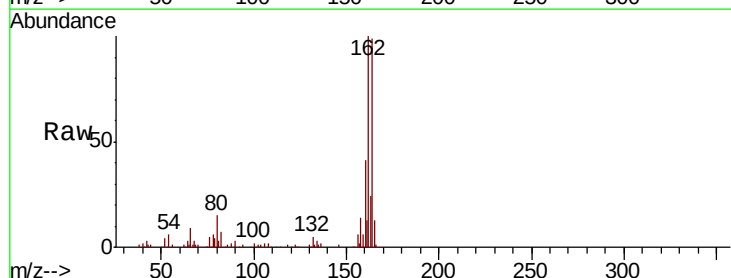
Ion Ratio Lower Upper

165 100

63 1.6 37.3 55.9#

89 2.5 61.0 91.6#

182 0.0 2.2 3.2#

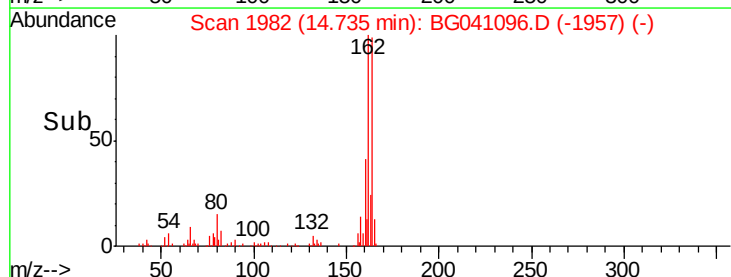
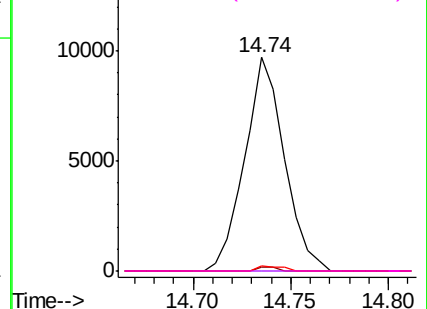


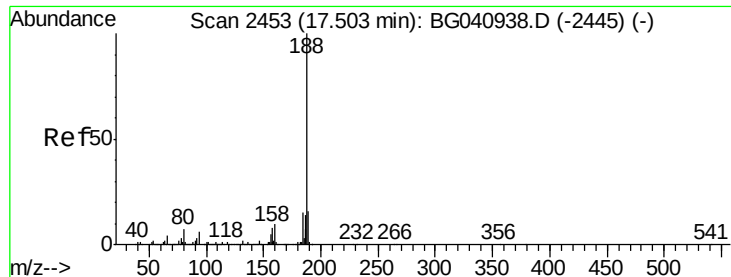
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2449

Delta R.T. -0.02 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

Instrument :

BNA_G

ClientSampleId :

PB120399BL

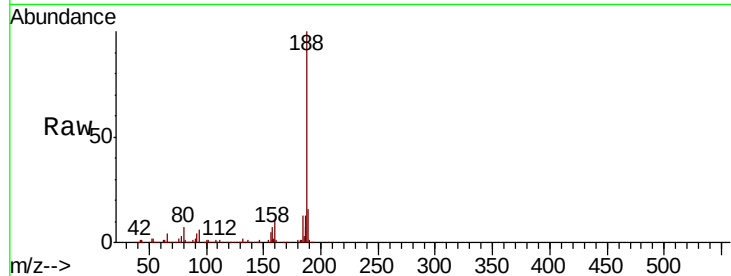
Tgt Ion:188 Resp: 314513

Ion Ratio Lower Upper

188 100

94 5.9 4.7 7.1

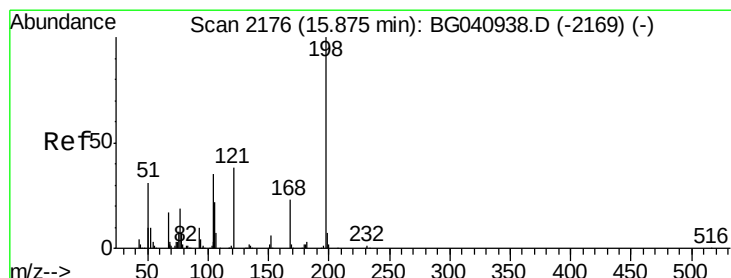
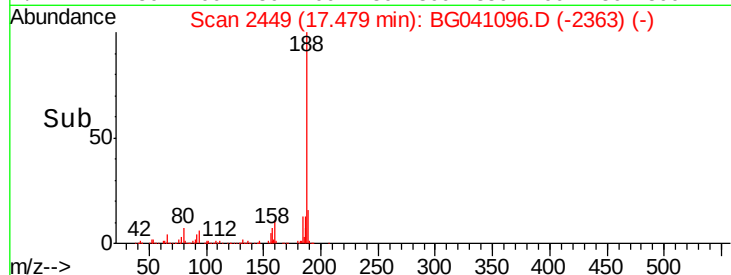
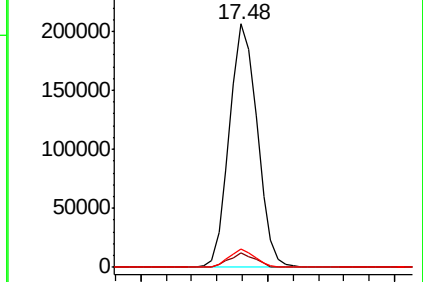
80 7.3 5.8 8.8



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: 8.616 ng

RT: 16.10 min Scan# 2214

Delta R.T. 0.22 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

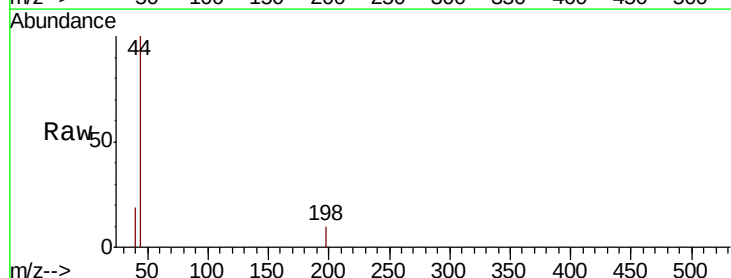
Tgt Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 21.6 61.6#

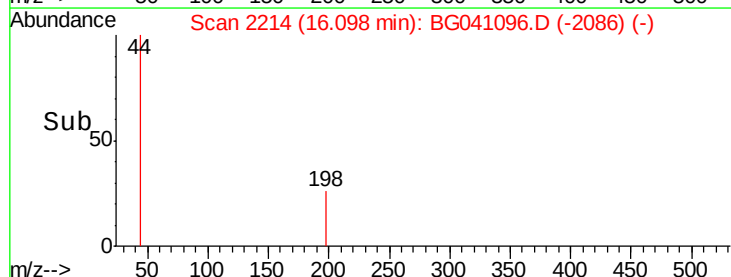
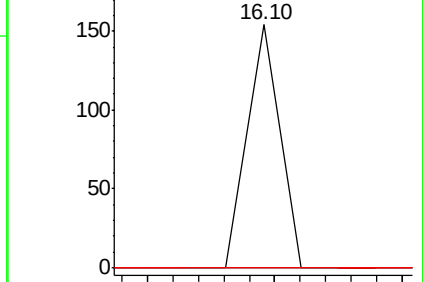
105 0.0 17.5 57.5#

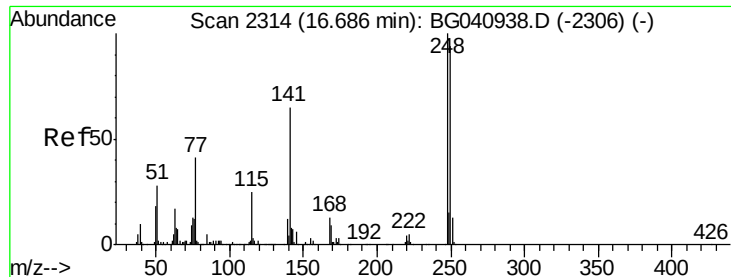


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

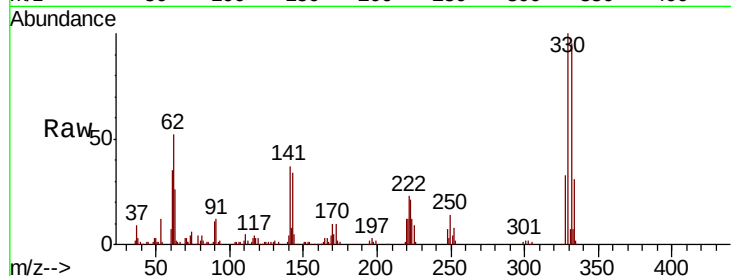




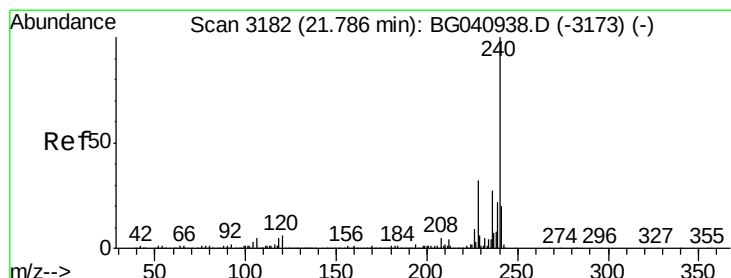
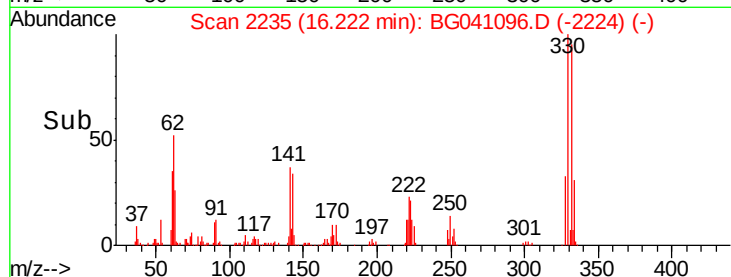
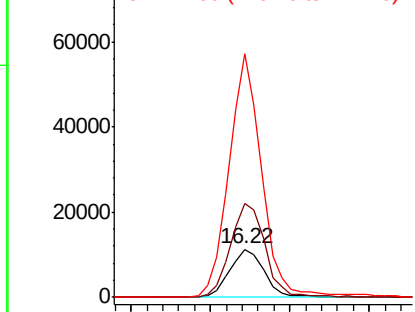
#67
4-Bromophenyl-phenylether
Concen: 3.980 ng
RT: 16.22 min Scan# 2235
Delta R.T. -0.46 min
Lab File: BG041096.D
Acq: 7 Jun 2019 11:36

Instrument :
BNA_G
ClientSampleId :
PB120399BL

Tgt Ion:248 Resp: 16895
Ion Ratio Lower Upper
248 100
250 197.0 75.0 112.4#
141 509.4 52.4 78.6#

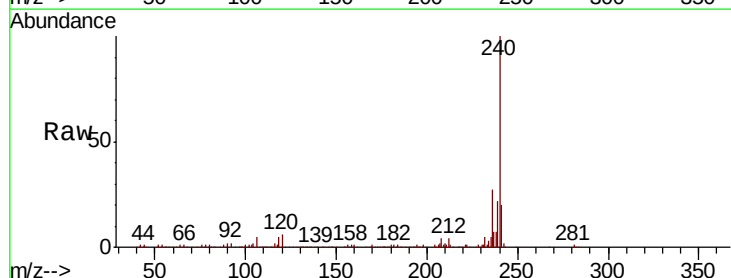


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

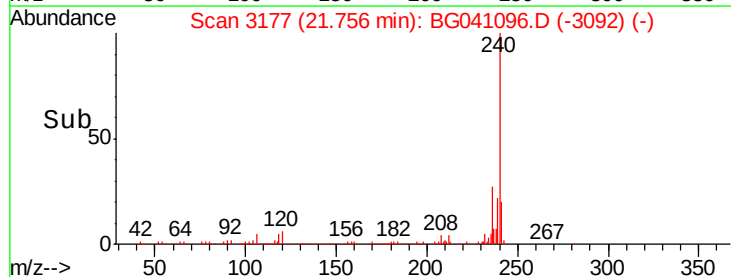
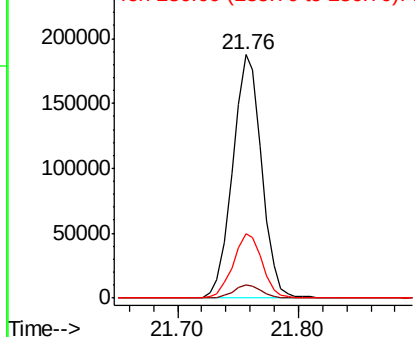


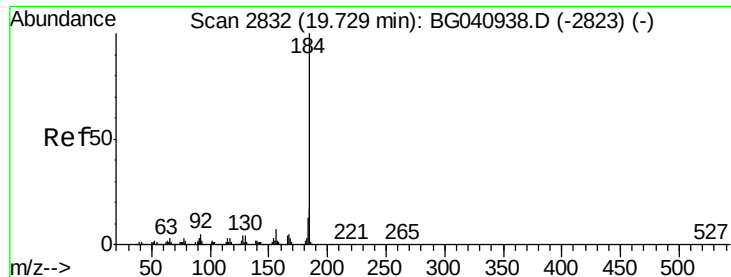
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.03 min
Lab File: BG041096.D
Acq: 7 Jun 2019 11:36

Tgt Ion:240 Resp: 313048
Ion Ratio Lower Upper
240 100
120 5.6 4.5 6.7
236 26.7 21.3 31.9



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: 3.034 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.35 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

Instrument :

BNA_G

ClientSampleId :

PB120399BL

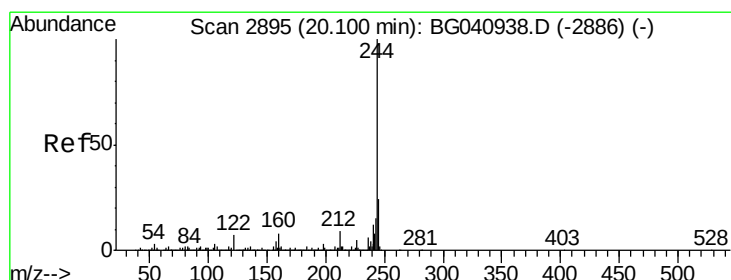
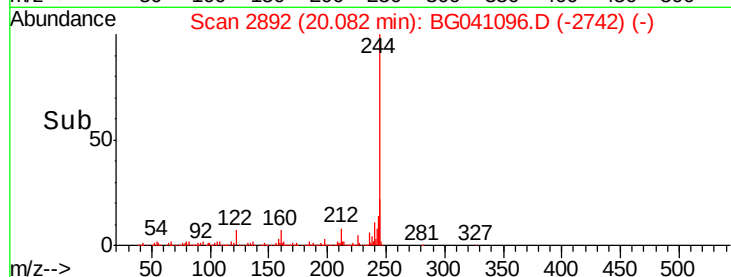
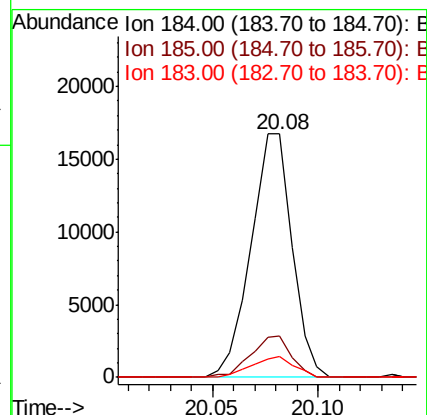
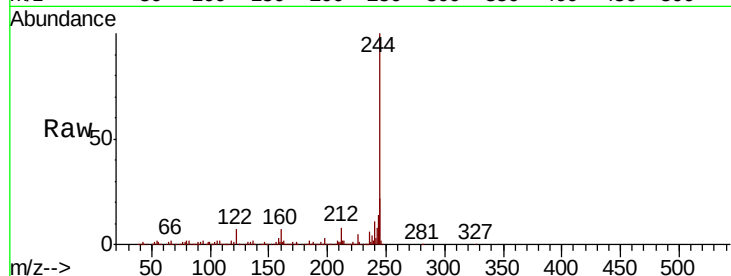
Tgt Ion:184 Resp: 22660

Ion Ratio Lower Upper

184 100

185 16.9 13.3 19.9

183 8.8 10.7 16.1#



#79

Terphenyl-d14

Concen: 91.366 ng

RT: 20.08 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BG041096.D

Acq: 7 Jun 2019 11:36

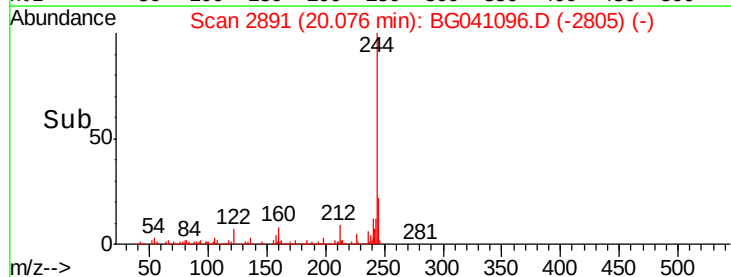
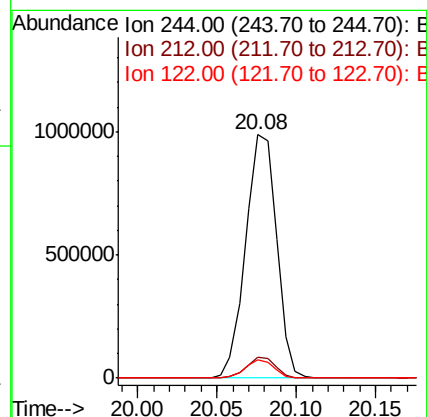
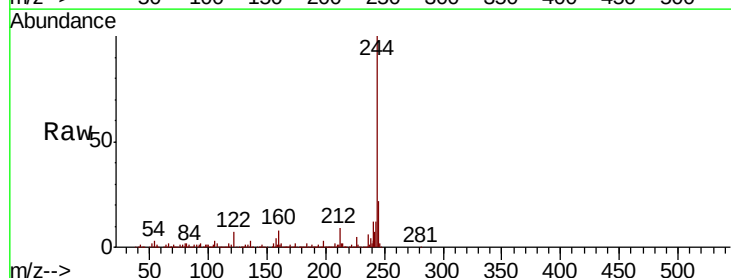
Tgt Ion:244 Resp: 1347656

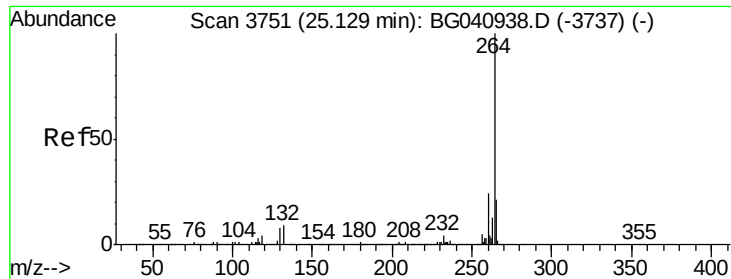
Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.4

122 7.4 5.4 8.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3743
Delta R.T. -0.05 min
Lab File: BG041096.D
Acq: 7 Jun 2019 11:36

Instrument :
BNA_G
ClientSampleId :
PB120399BL

Tgt Ion:	264	Resp:	329097
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.4
265	21.7	17.0	25.4

