

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060619\
 Data File : BG041088.D
 Acq On : 6 Jun 2019 13:03
 Operator : HP/JU
 Sample : PB120371BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB120371BL

Quant Time: Jun 06 23:16:14 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

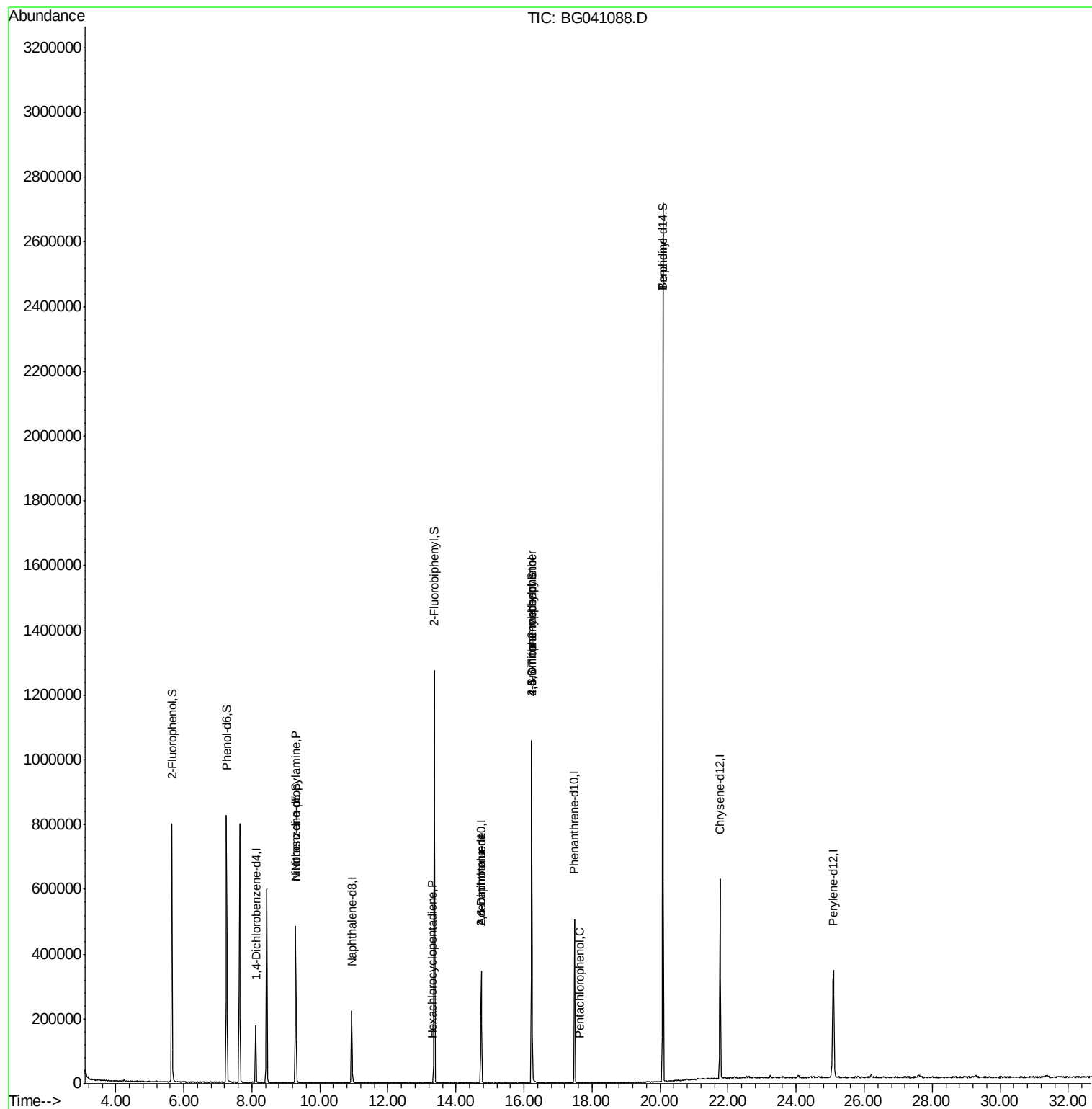
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	48743	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	183389	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	121766	20.00	ng	-0.02
64) Phenanthrene-d10	17.49	188	318224	20.00	ng	-0.02
76) Chrysene-d12	21.76	240	365167	20.00	ng	-0.02
87) Perylene-d12	25.09	264	393779	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	308833	114.25	ng	-0.01
7) Phenol-d6	7.26	99	427482	102.40	ng	-0.01
23) Nitrobenzene-d5	9.29	82	295967	71.65	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	208771	115.49	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	655320	77.50	ng	-0.02
79) Terphenyl-d14	20.08	244	1258873	73.17	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	43281	13.472	ng	# 71
41) Hexachlorocyclopentadiene	13.31	237	68	8.258	ng	# 26
51) 2,6-Dinitrotoluene	14.74	165	15736	7.081	ng	# 18
57) 2,4-Dinitrotoluene	14.74	165	15736	5.013	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.23	198	798	8.974	ng	# 69
67) 4-Bromophenyl-phenylether	16.23	248	15183	3.535	ng	# 1
70) Pentachlorophenol	17.63	266	60	4.279	ng	# 18
77) Benzidine	20.08	184	20823	2.390	ng	# 92

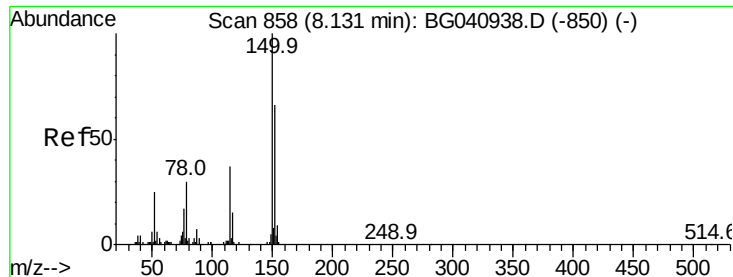
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060619\
Data File : BG041088.D
Acq On : 6 Jun 2019 13:03
Operator : HP/JU
Sample : PB120371BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB120371BL

Quant Time: Jun 06 23:16:14 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



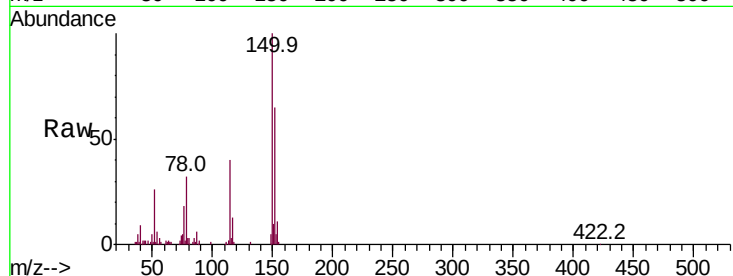


#1

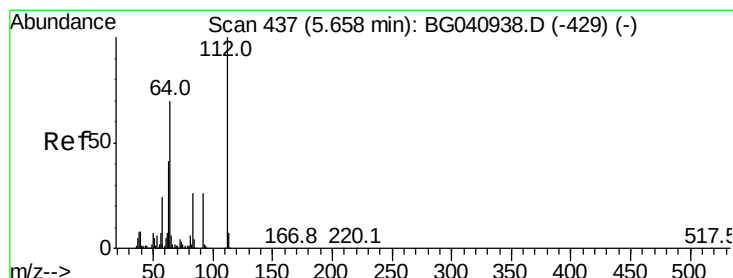
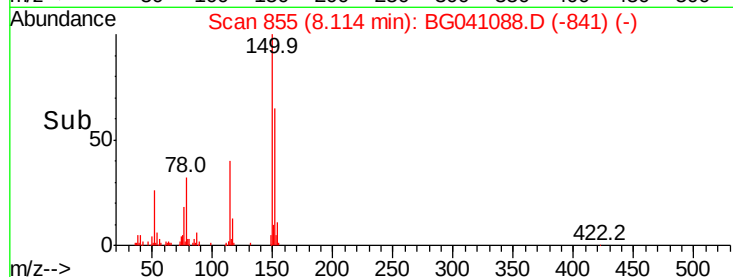
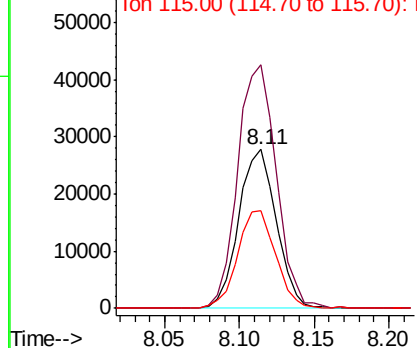
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 855
Delta R.T. -0.02 min
Lab File: BG041088.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_G
ClientSampleId :
PB120371BL

Tot Ion:152 Resp: 48743
Ion Ratio Lower Upper
152 100
150 153.0 120.6 180.8
115 61.7 45.1 67.7



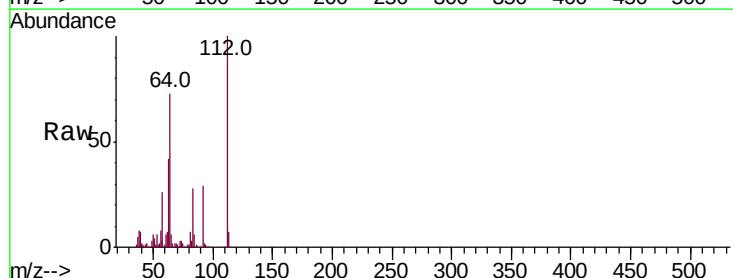
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



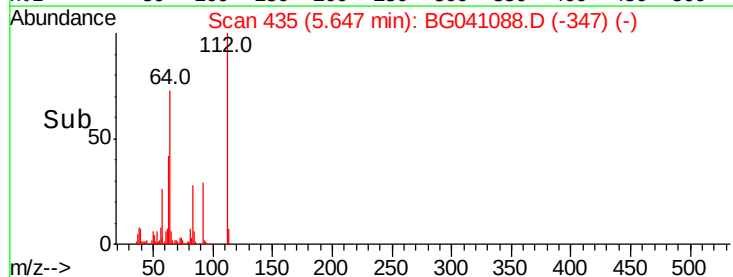
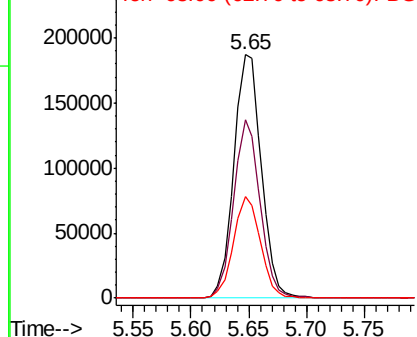
#5

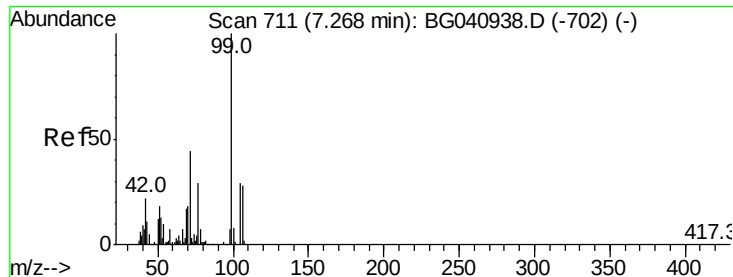
2-Fluorophenol
Concen: 114.250 ng
RT: 5.65 min Scan# 435
Delta R.T. -0.01 min
Lab File: BG041088.D
Acq: 6 Jun 2019 13:03

Tgt Ion:112 Resp: 308833
Ion Ratio Lower Upper
112 100
64 73.3 56.2 84.2
63 41.9 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: 102.399 ng

RT: 7.26 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_G

ClientSampleId :

PB120371BL

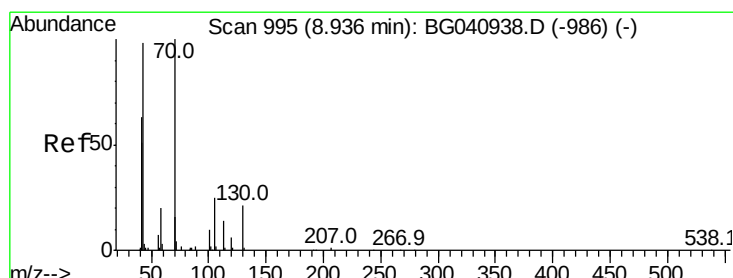
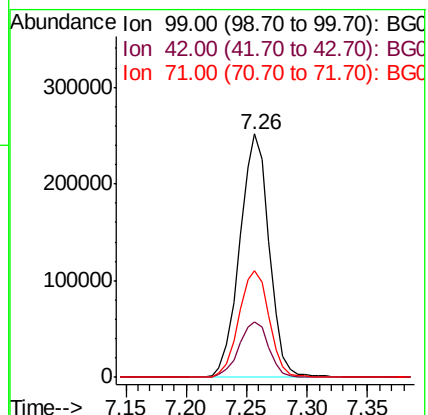
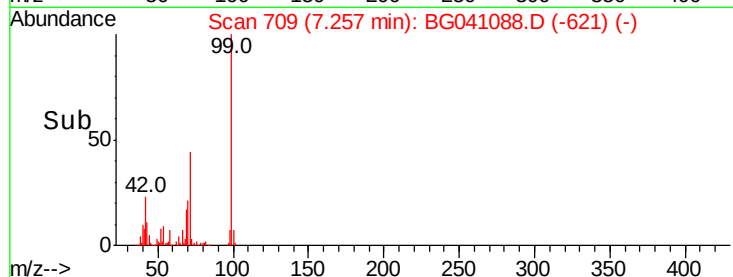
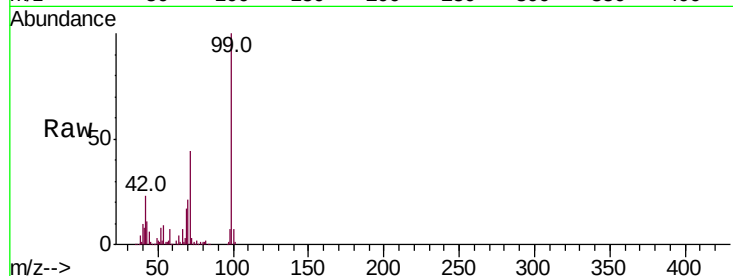
Tot Ion: 99 Resp: 427482

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

71 44.0 35.4 53.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.472 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.35 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

Tgt Ion: 70 Resp: 43281

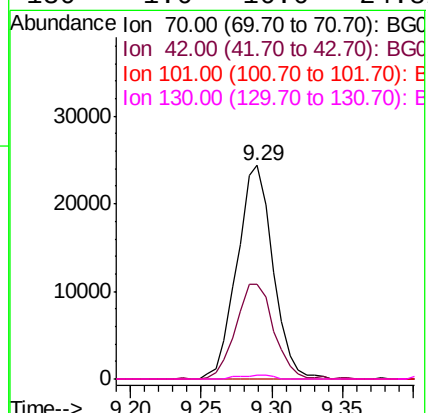
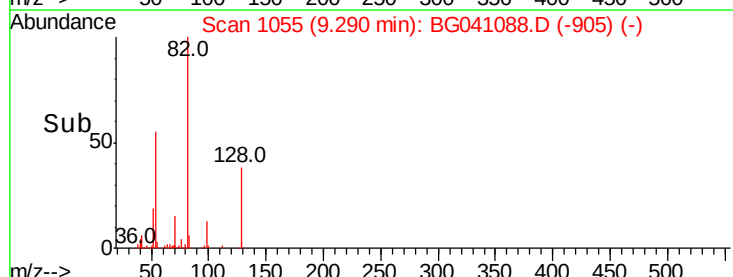
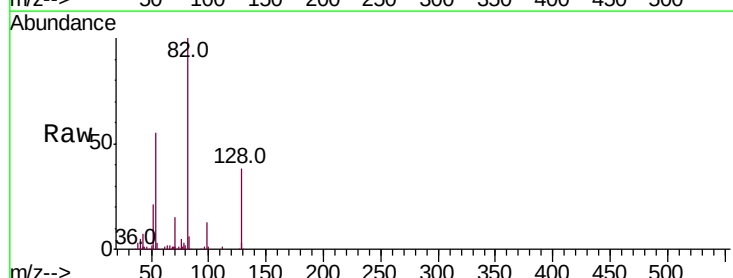
Ion Ratio Lower Upper

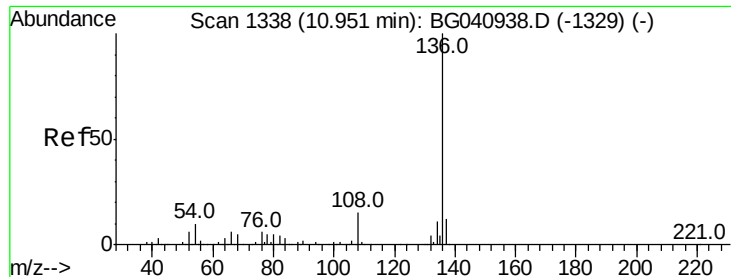
70 100

42 44.2 51.5 77.3#

101 0.0 8.1 12.1#

130 1.6 16.6 24.8#

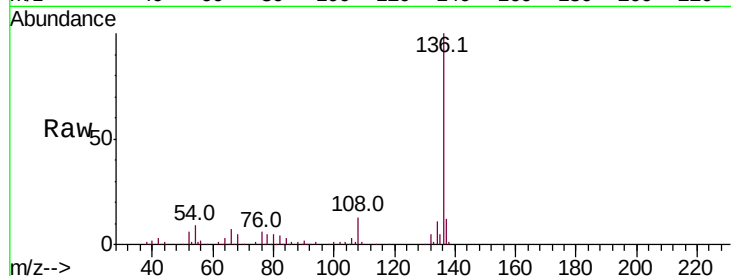




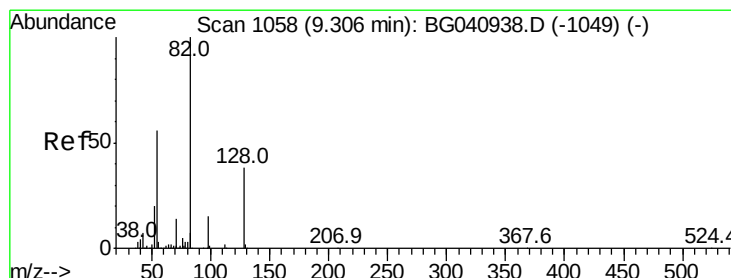
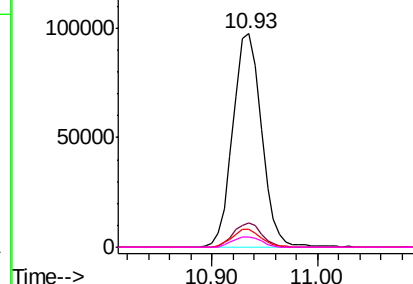
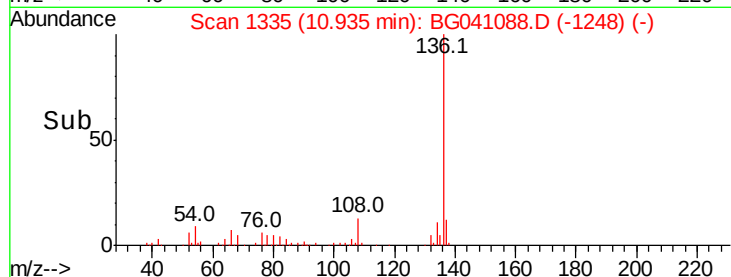
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041088.D
Acq: 6 Jun 2019 13:03

Instrument :
BNA_G
ClientSampleId :
PB120371BL

Tot Ion:136	Resp: 183389
Ion Ratio	Lower Upper
136 100	
137 11.7	9.5 14.3
54 8.6	7.6 11.4
68 4.8	3.9 5.9

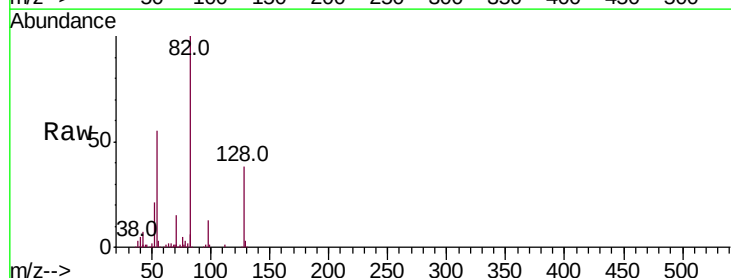


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

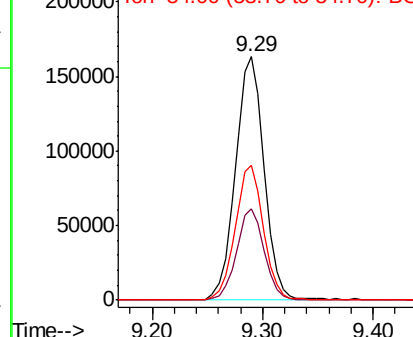
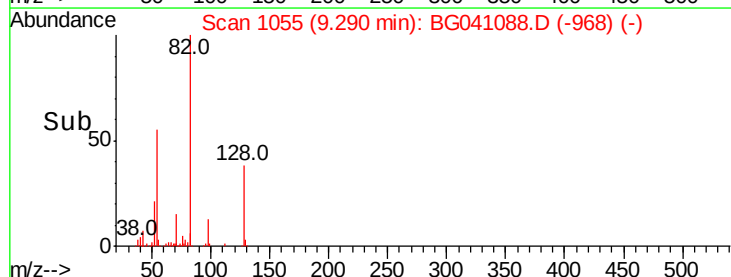


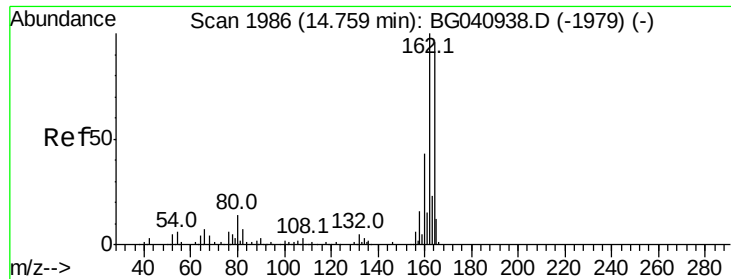
#23
Nitrobenzene-d5
Concen: 71.646 ng
RT: 9.29 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BG041088.D
Acq: 6 Jun 2019 13:03

Tgt	Ion: 82	Resp:	295967
Ion	Ratio	Lower	Upper
82	100		
128	37.7	30.5	45.7
54	55.1	44.6	66.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000
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: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_G

ClientSampleId :

PB120371BL

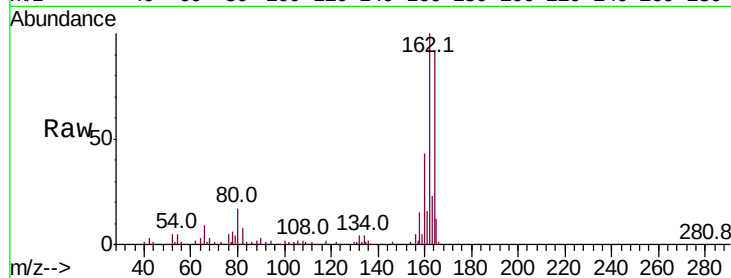
Tot Ion:164 Resp: 121766

Ion Ratio Lower Upper

164 100

162 108.2 83.0 124.4

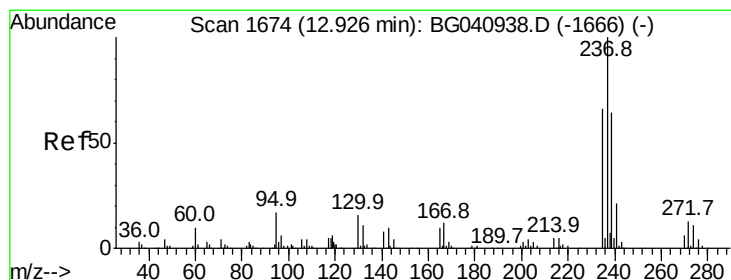
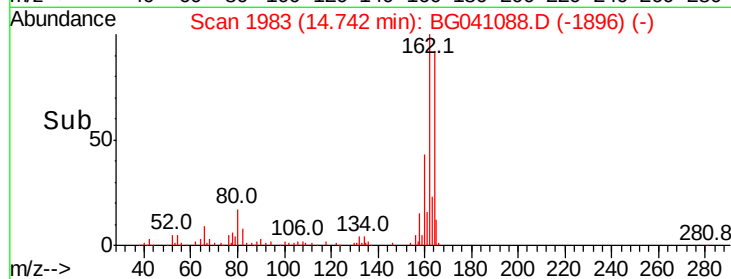
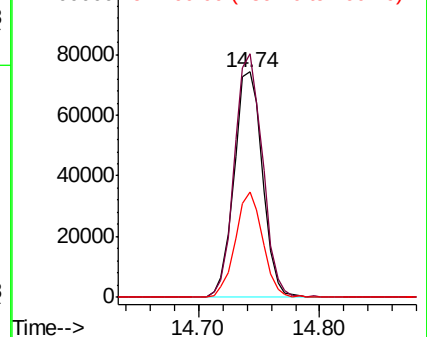
160 46.5 35.6 53.4



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



#41

Hexachlorocyclopentadiene

Concen: 8.258 ng

RT: 13.31 min Scan# 1740

Delta R.T. 0.39 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

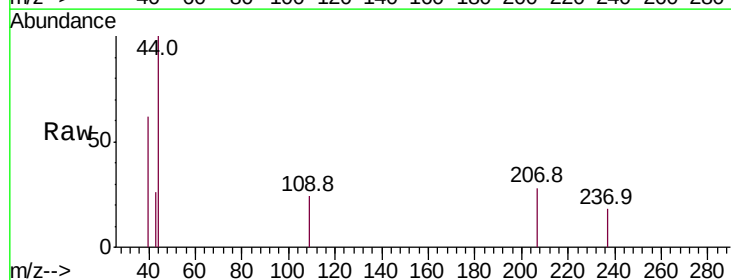
Tgt Ion:237 Resp: 68

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

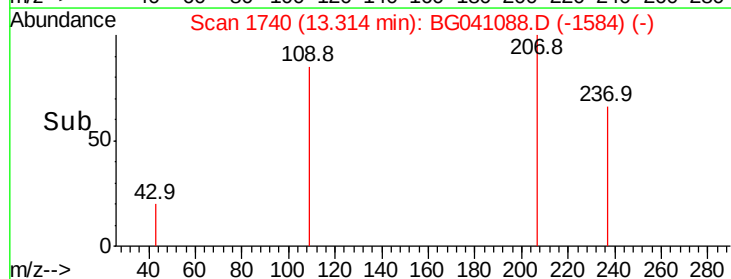
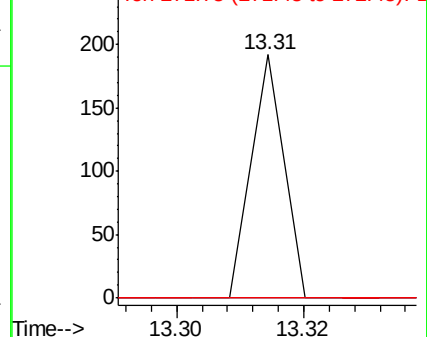
272 0.0 0.0 32.9

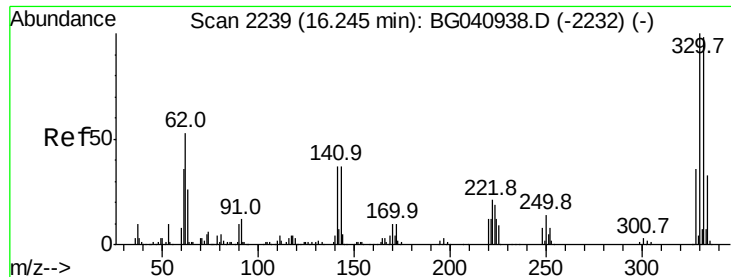


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

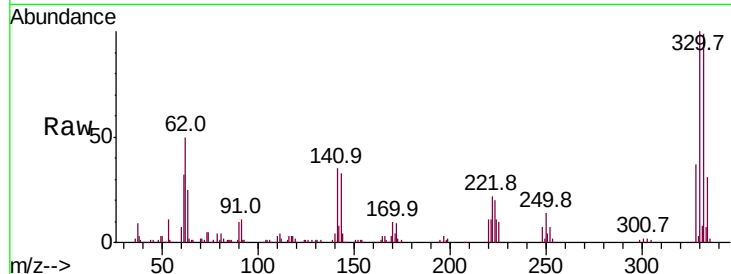




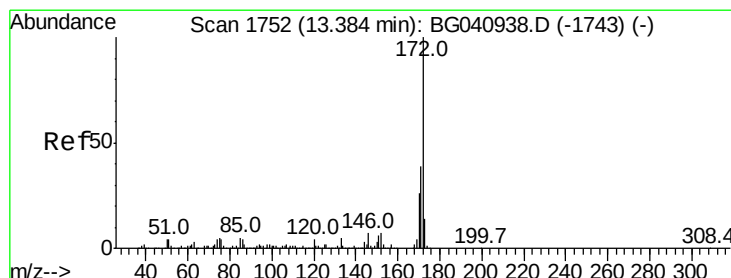
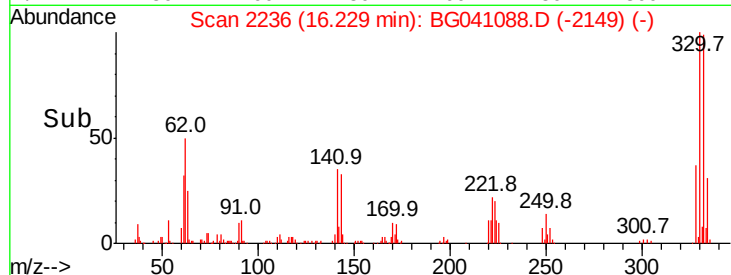
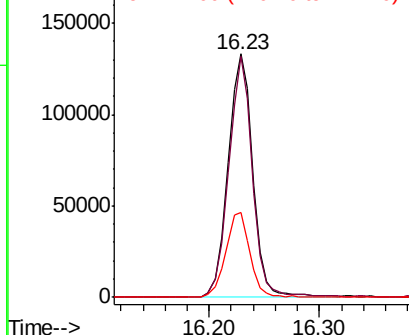
#42
 2,4,6-Tribromophenol
 Concen: 115.490 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BG041088.D
 Acq: 6 Jun 2019 13:03

Instrument :
 BNA_G
 ClientSampleId :
 PB120371BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.5	117.7
141	34.5	28.7	43.1

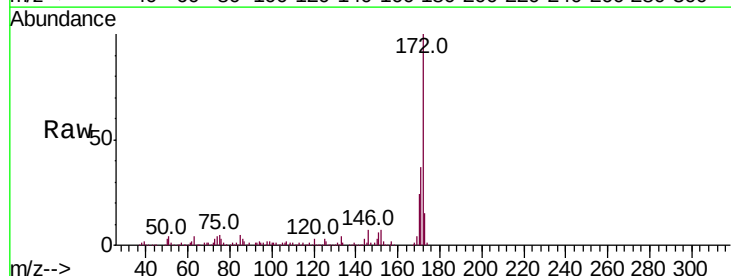


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

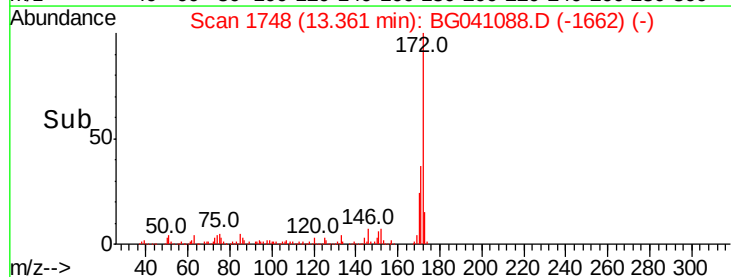
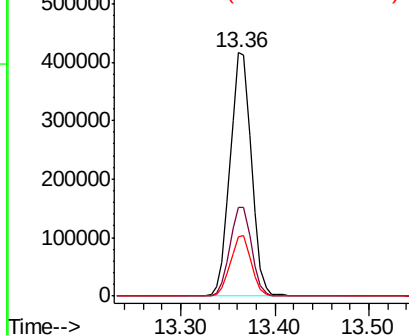


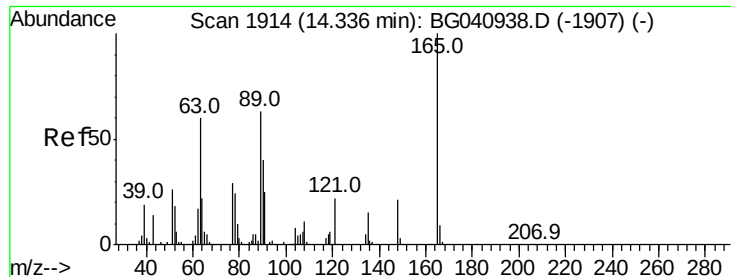
#45
 2-Fluorobiphenyl
 Concen: 77.504 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BG041088.D
 Acq: 6 Jun 2019 13:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	31.1	46.7
170	24.2	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

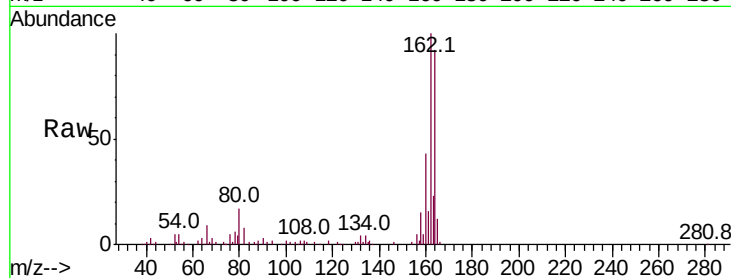




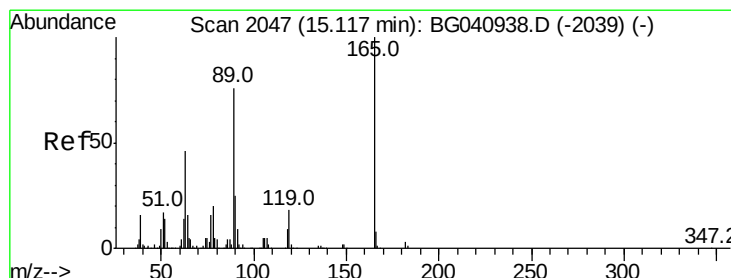
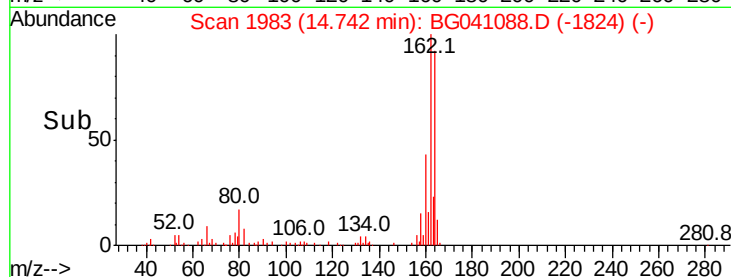
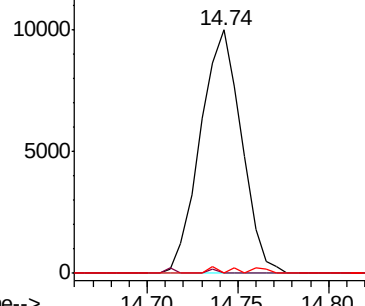
#51
 2,6-Dinitrotoluene
 Concen: 7.081 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. 0.41 min
 Lab File: BG041088.D
 Acq: 6 Jun 2019 13:03

Instrument :
 BNA_G
 ClientSampleId :
 PB120371BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	53.6	80.4#
89	0.0	50.4	75.6#

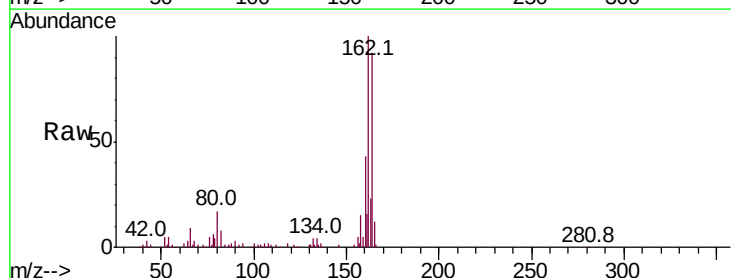


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

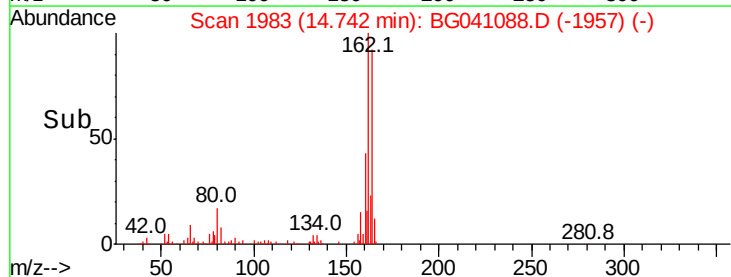
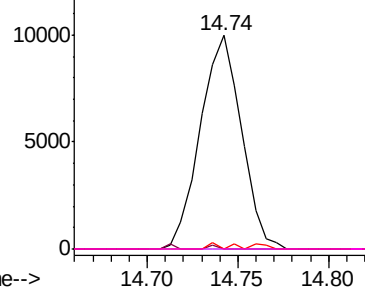


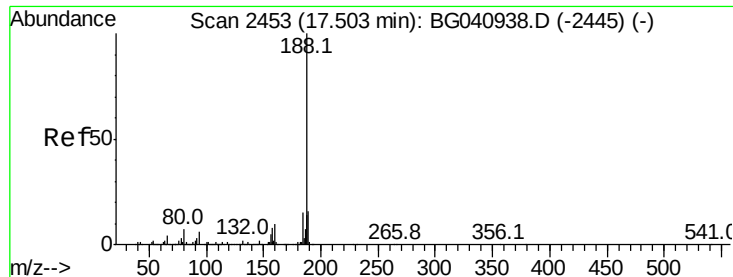
#57
 2,4-Dinitrotoluene
 Concen: 5.013 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. -0.38 min
 Lab File: BG041088.D
 Acq: 6 Jun 2019 13:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	37.3	55.9#
89	0.0	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: 17.49 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_G

ClientSampled :

PB120371BL

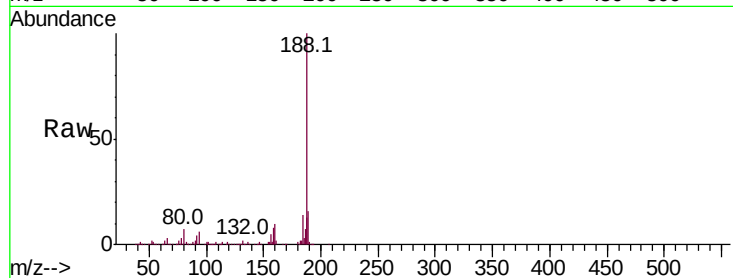
Tot Ion:188 Resp: 318224

Ion Ratio Lower Upper

188 100

94 5.9 4.7 7.1

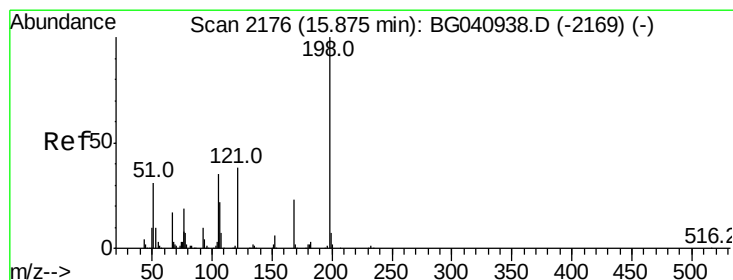
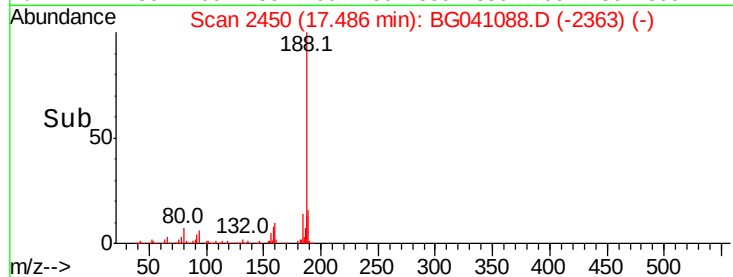
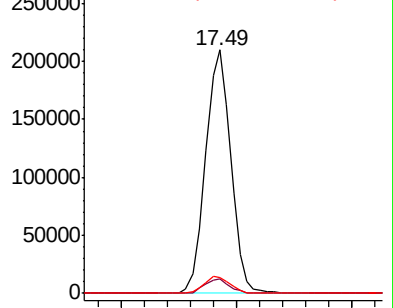
80 6.6 5.8 8.8



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: 8.974 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.35 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

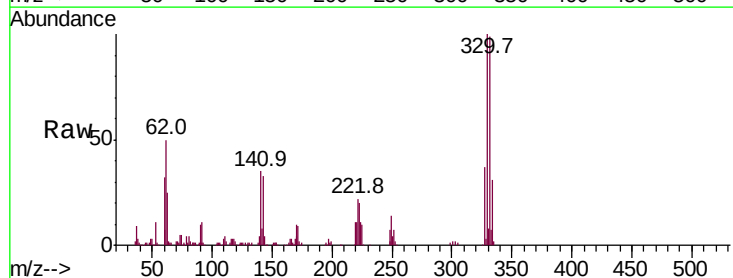
Tgt Ion:198 Resp: 798

Ion Ratio Lower Upper

198 100

51 18.0 21.6 61.6#

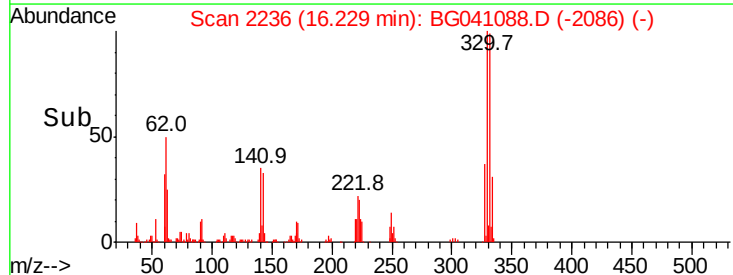
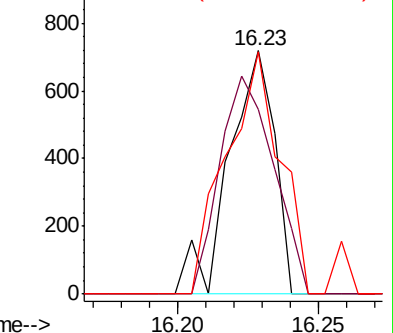
105 23.6 17.5 57.5

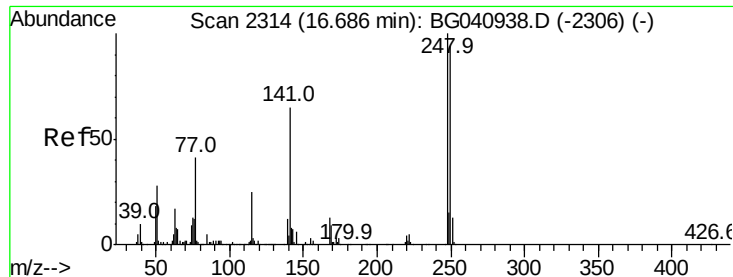


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

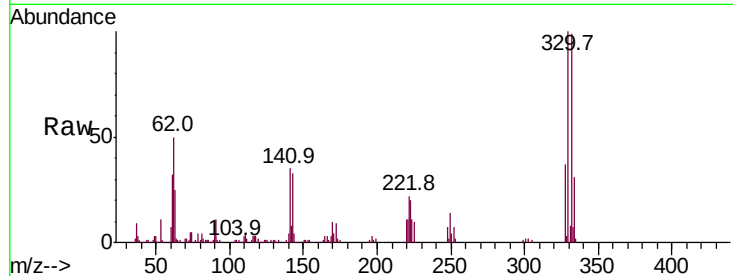




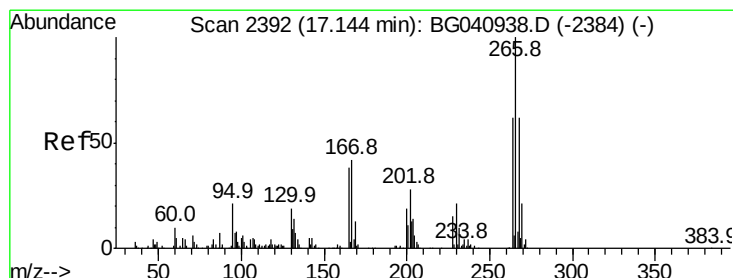
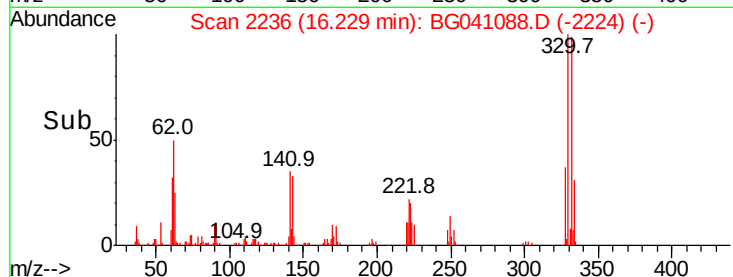
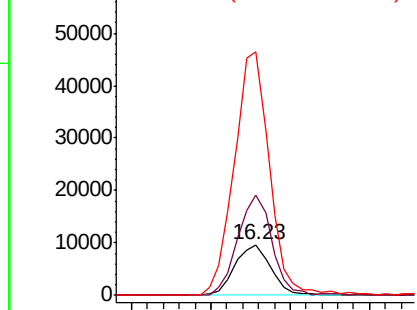
#67
 4-Bromophenyl-phenylether
 Concen: 3.535 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. -0.46 min
 Lab File: BG041088.D
 Acq: 6 Jun 2019 13:03

Instrument :
 BNA_G
 ClientSampleId :
 PB120371BL

Tot Ion:248 Resp: 15183
 Ion Ratio Lower Upper
 248 100
 250 254.8 75.0 112.4#
 141 480.3 52.4 78.6#

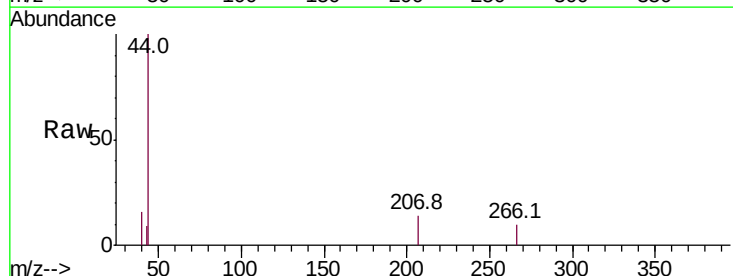


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

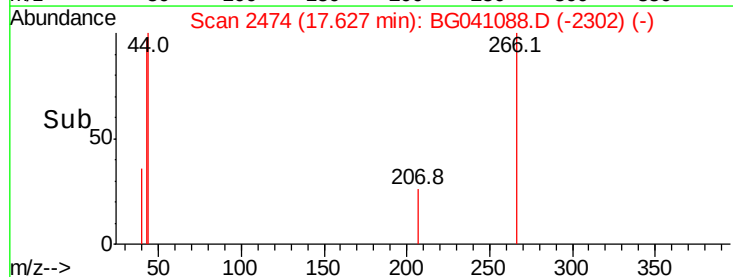
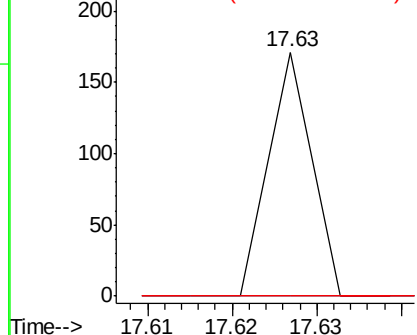


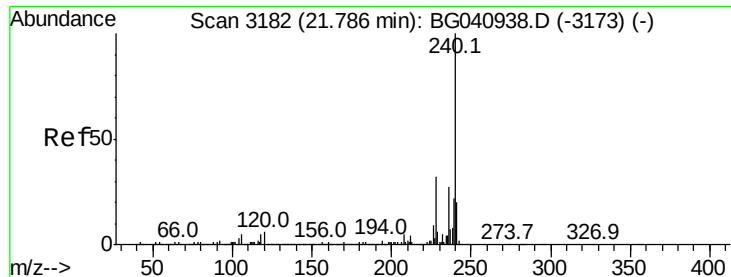
#70
 Pentachlorophenol
 Concen: 4.279 ng
 RT: 17.63 min Scan# 2474
 Delta R.T. 0.48 min
 Lab File: BG041088.D
 Acq: 6 Jun 2019 13:03

Tgt Ion:266 Resp: 60
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.1 79.7#
 264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.02 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_G

ClientSampleId :

PB120371BL

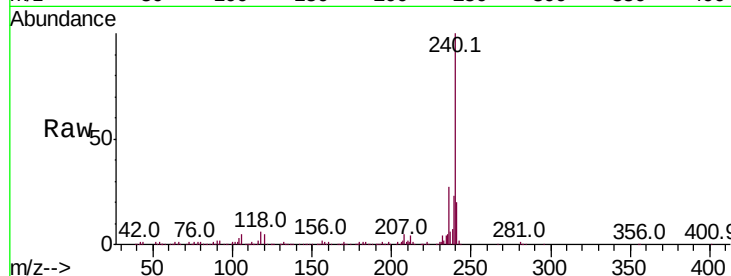
Tot Ion:240 Resp: 365167

Ion Ratio Lower Upper

240 100

120 4.9 4.5 6.7

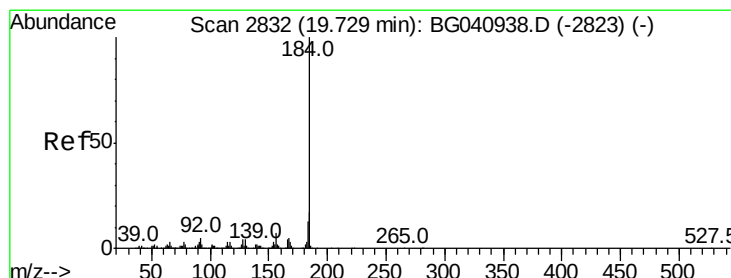
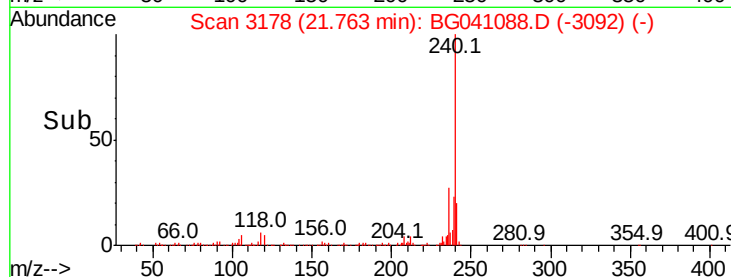
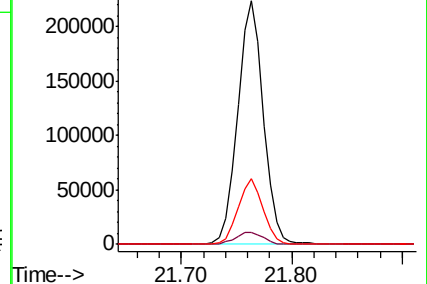
236 26.8 21.3 31.9



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: 2.390 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.35 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

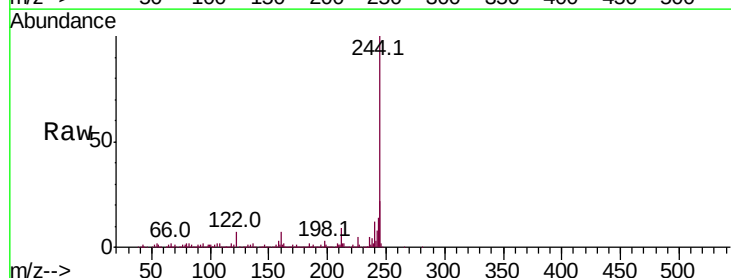
Tgt Ion:184 Resp: 20823

Ion Ratio Lower Upper

184 100

185 14.0 13.3 19.9

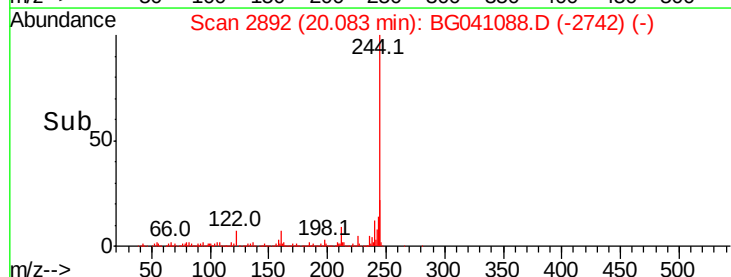
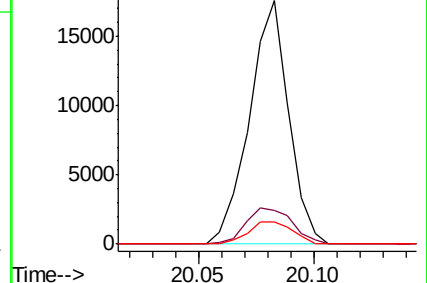
183 9.1 10.7 16.1#

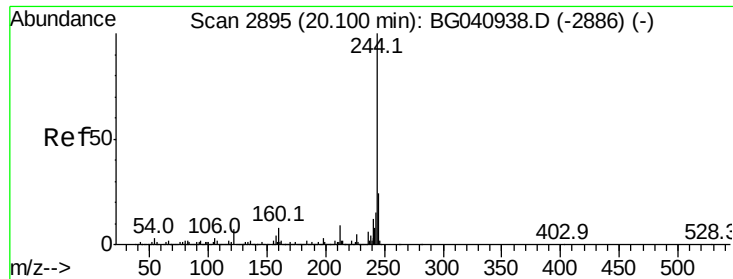


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 73.165 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

Instrument :

BNA_G

ClientSampleId :

PB120371BL

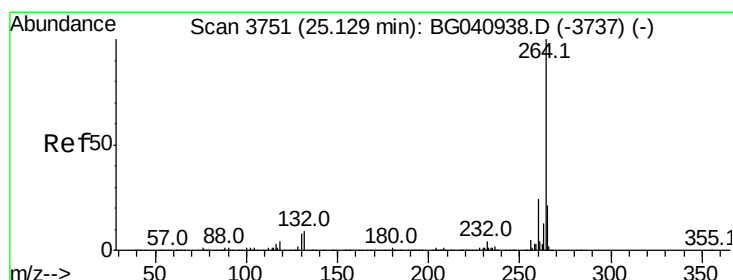
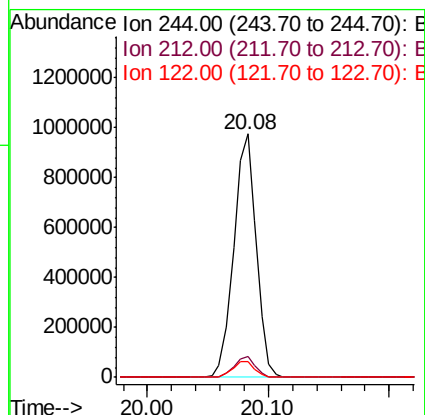
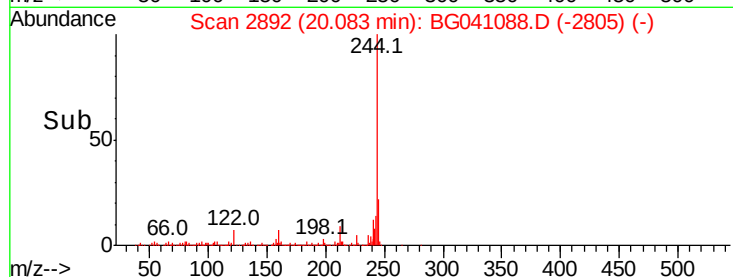
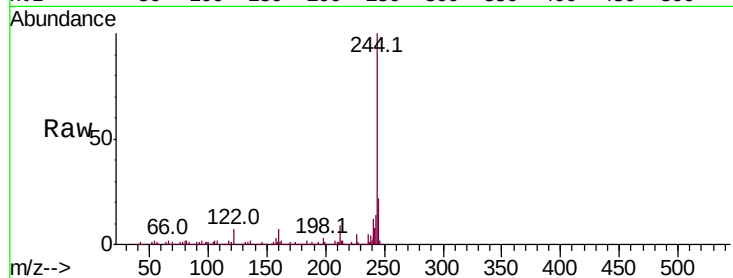
Tot Ion:244 Resp: 1258873

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.4

122 6.7 5.4 8.0



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3745

Delta R.T. -0.03 min

Lab File: BG041088.D

Acq: 6 Jun 2019 13:03

Tgt Ion:264 Resp: 393779

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 21.3 17.0 25.4

