

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061319\
 Data File : BG041245.D
 Acq On : 14 Jun 2019 6:55
 Operator : HP/JU
 Sample : K3308-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Jun 14 07:36:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

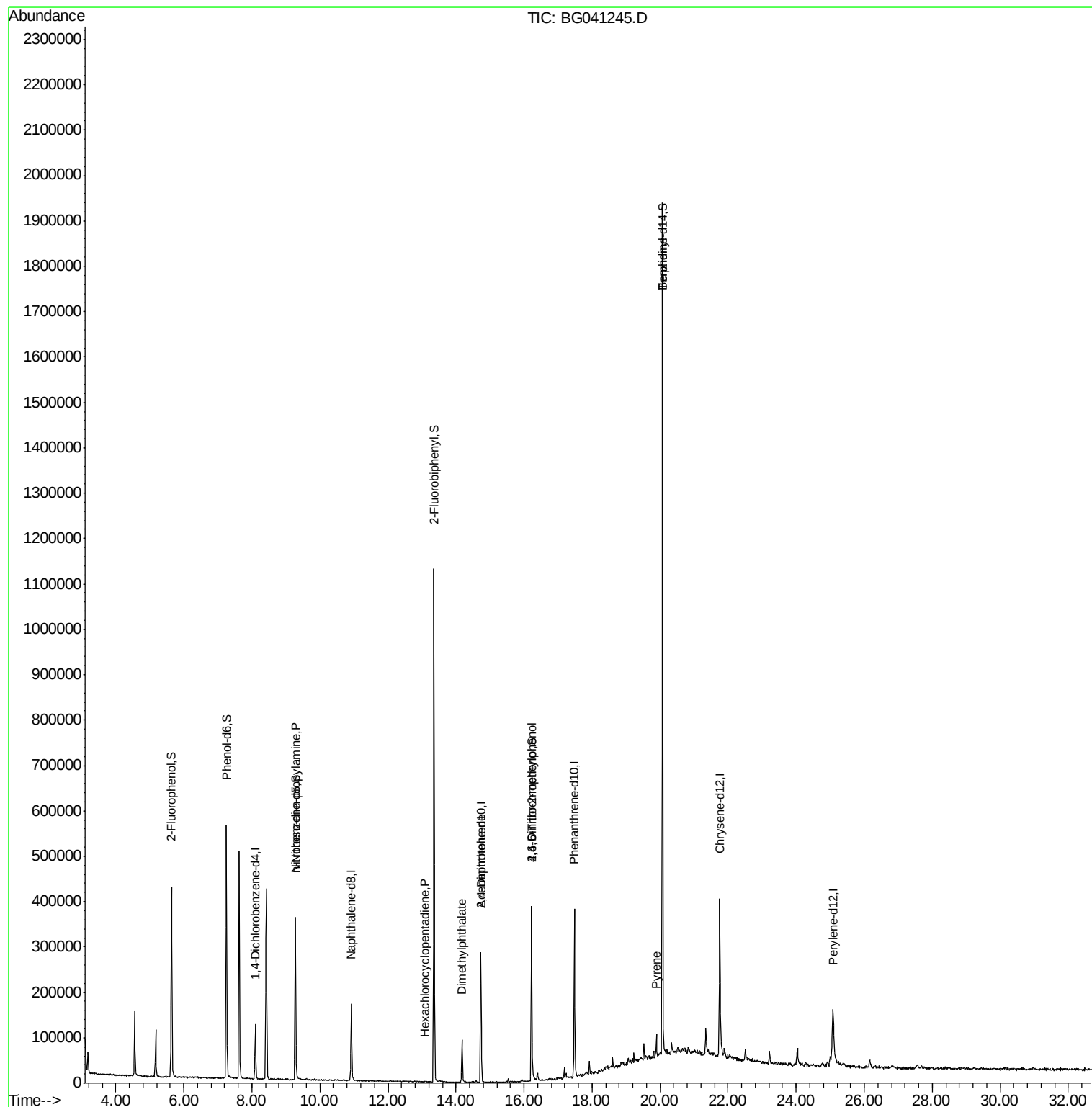
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	33740	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	143968	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	104124	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	249212	20.00	ng	0.00
76) Chrysene-d12	21.75	240	232502	20.00	ng	0.00
87) Perylene-d12	25.08	264	200438	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	168352	89.97	ng	0.00
7) Phenol-d6	7.25	99	299570	103.67	ng	0.00
23) Nitrobenzene-d5	9.28	82	226426	69.82	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	83807	54.22	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	566671	78.37	ng	0.00
79) Terphenyl-d14	20.07	244	889475	81.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	32780	14.740	ng	# 76
41) Hexachlorocyclopentadiene	13.09	237	53	8.256	ng	# 26
50) Dimethylphthalate	14.18	163	70979	8.053	ng	97
57) 2,4-Dinitrotoluene	14.73	165	13374	4.982	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.22	198	154	8.684	ng	# 1
77) Benzidine	20.07	184	14939	2.693	ng	# 89
78) Pyrene	19.89	202	32434	2.146	ng	95

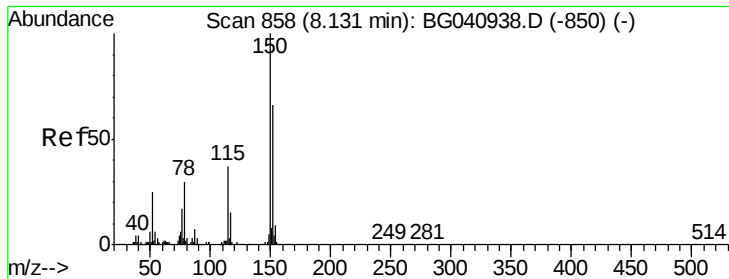
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 853

Delta R.T. -0.00 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

Instrument :

BNA_G

ClientSampleId :

DFTPP

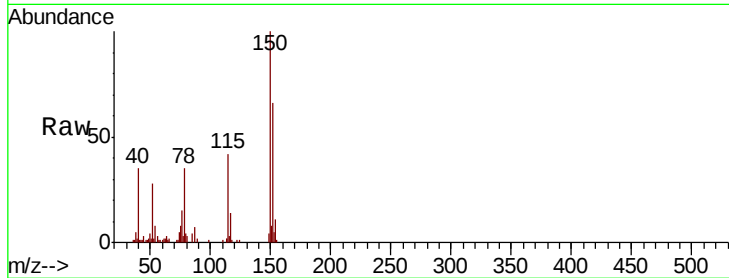
Tgt Ion:152 Resp: 33740

Ion Ratio Lower Upper

152 100

150 152.1 120.6 180.8

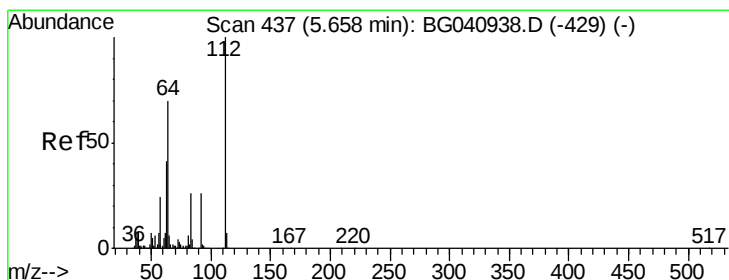
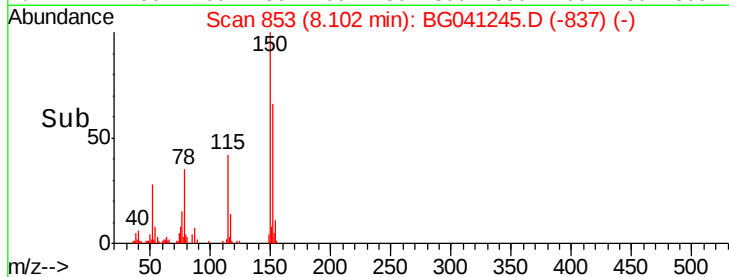
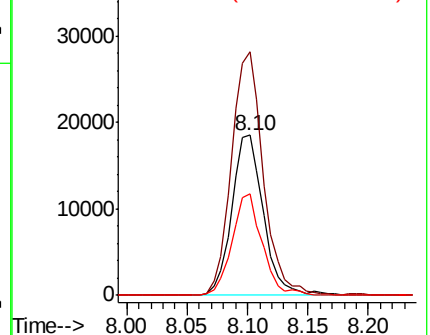
115 63.6 45.1 67.7



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: 89.975 ng

RT: 5.63 min Scan# 433

Delta R.T. -0.00 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

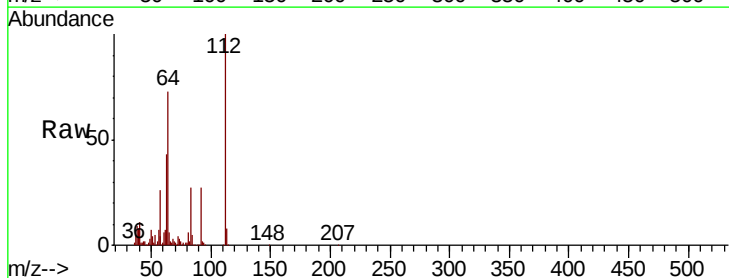
Tgt Ion:112 Resp: 168352

Ion Ratio Lower Upper

112 100

64 72.6 56.2 84.2

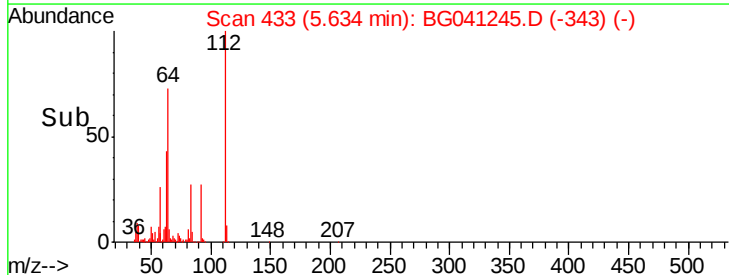
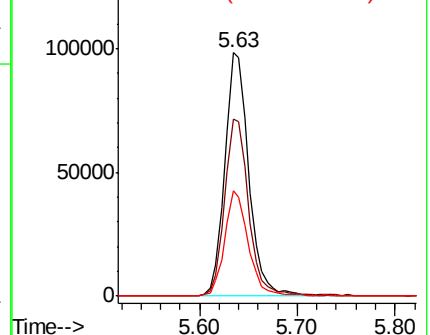
63 43.2 32.8 49.2



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: 103.667 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

Instrument :

BNA_G

ClientSampleId :

DFTPP

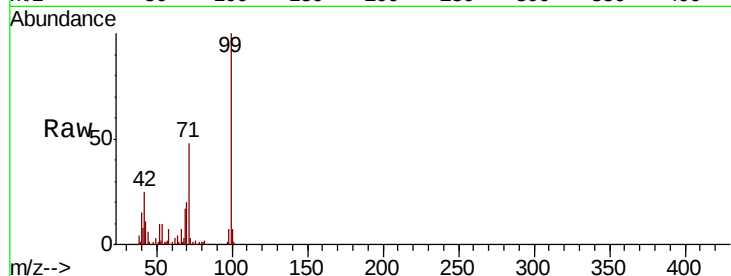
Tgt Ion: 99 Resp: 299570

Ion Ratio Lower Upper

99 100

42 25.3 17.9 26.9

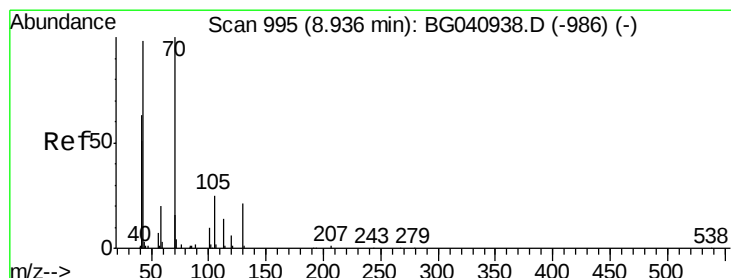
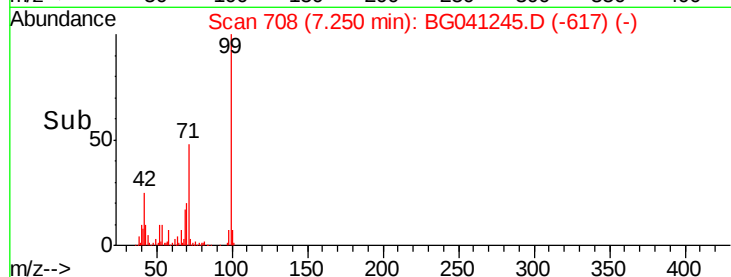
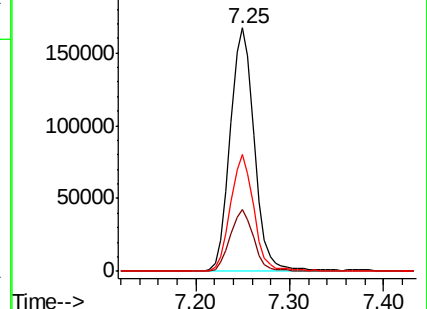
71 47.8 35.4 53.0



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: 14.740 ng

RT: 9.28 min Scan# 1053

Delta R.T. 0.37 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

Tgt Ion: 70 Resp: 32780

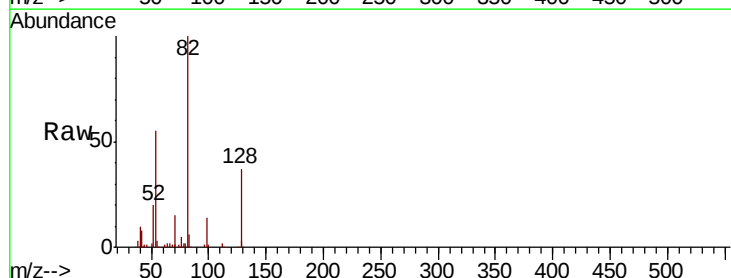
Ion Ratio Lower Upper

70 100

42 50.2 51.5 77.3#

101 0.0 8.1 12.1#

130 2.6 16.6 24.8#

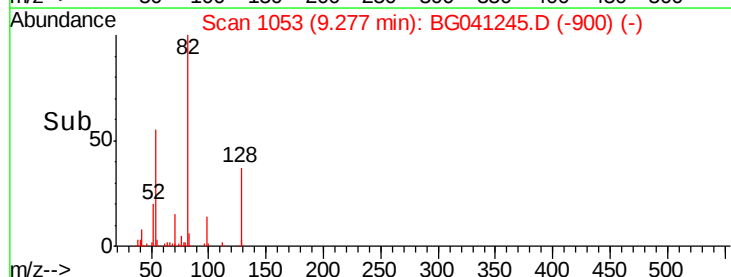
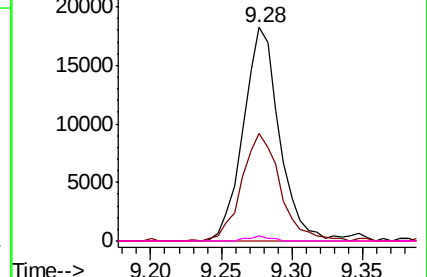


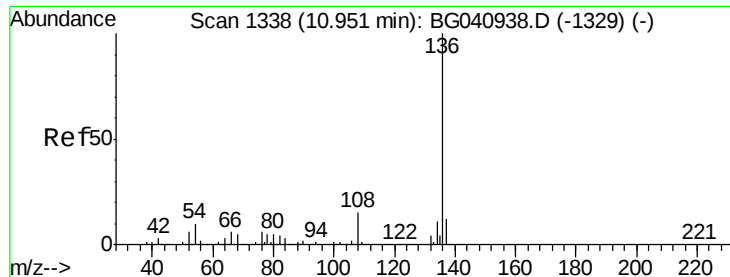
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

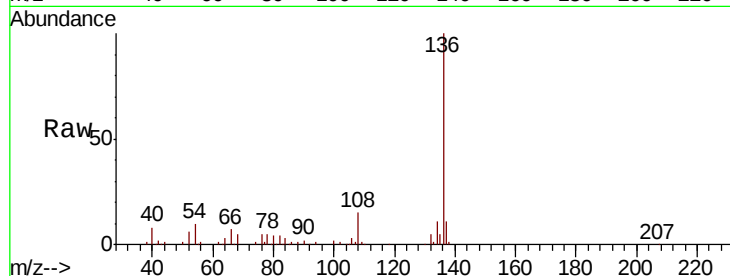




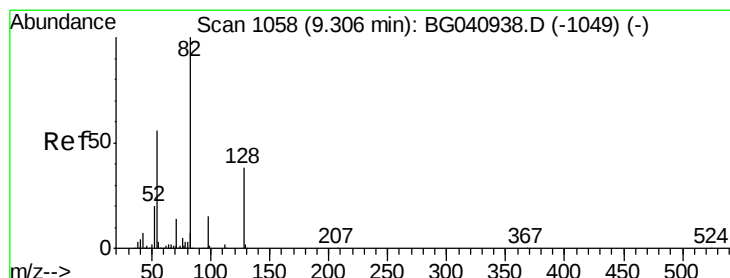
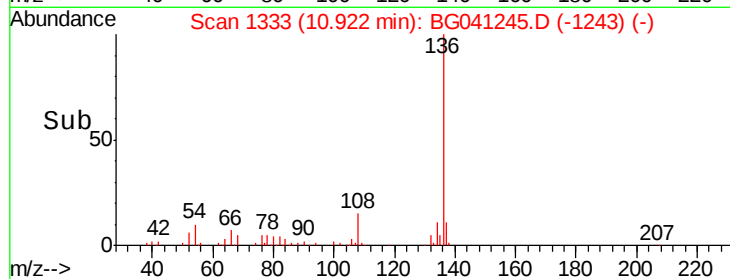
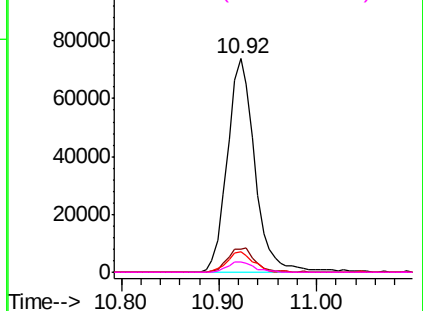
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG041245.D
Acq: 14 Jun 2019 6:55

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:	136	Resp:	143968
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.5	14.3
54	9.8	7.6	11.4
68	4.9	3.9	5.9

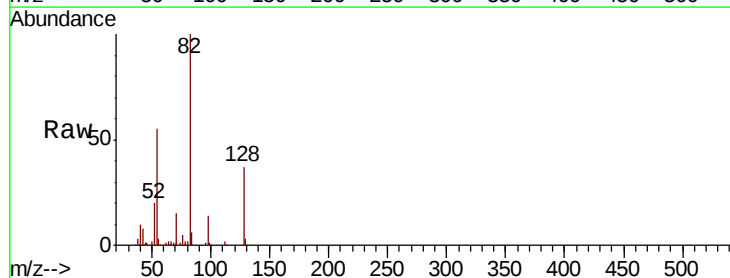


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

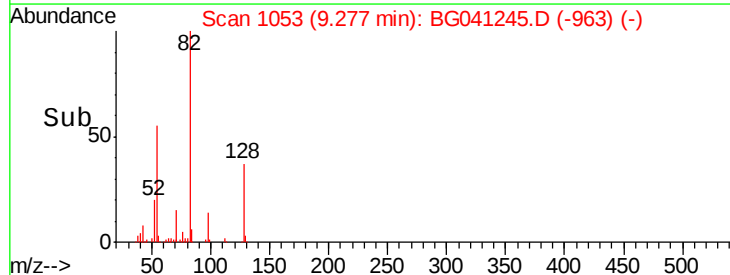
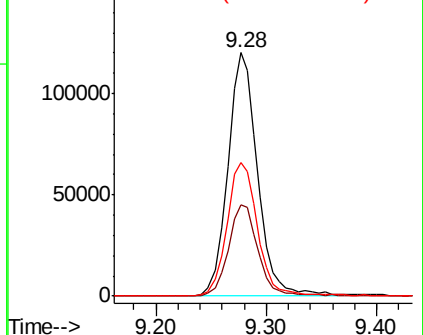


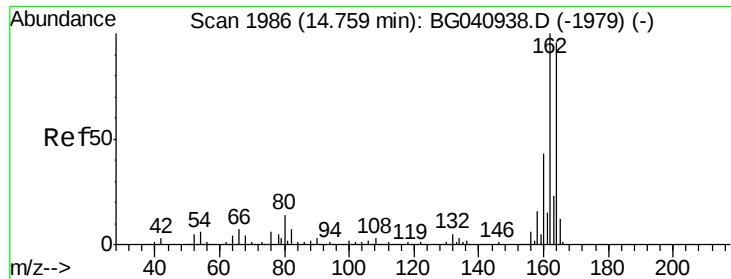
#23
Nitrobenzene-d5
Concen: 69.820 ng
RT: 9.28 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BG041245.D
Acq: 14 Jun 2019 6:55

Tgt Ion:	82	Resp:	226426
Ion	Ratio	Lower	Upper
82	100		
128	37.2	30.5	45.7
54	55.1	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

Instrument :

BNA_G

ClientSampleId :

DFTPP

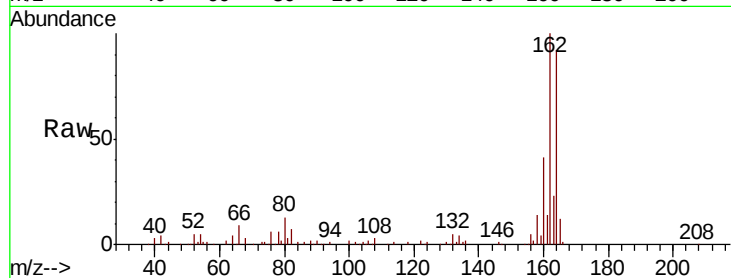
Tgt Ion:164 Resp: 104124

Ion Ratio Lower Upper

164 100

162 108.5 83.0 124.4

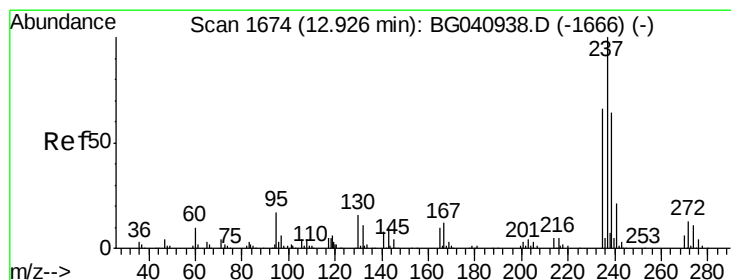
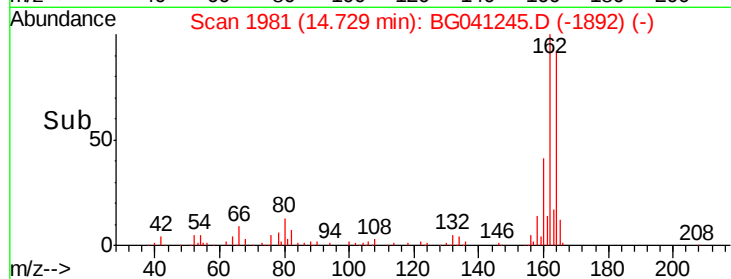
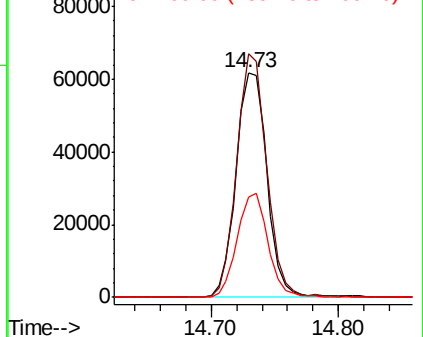
160 44.9 35.6 53.4



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: 8.256 ng

RT: 13.09 min Scan# 1702

Delta R.T. 0.19 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

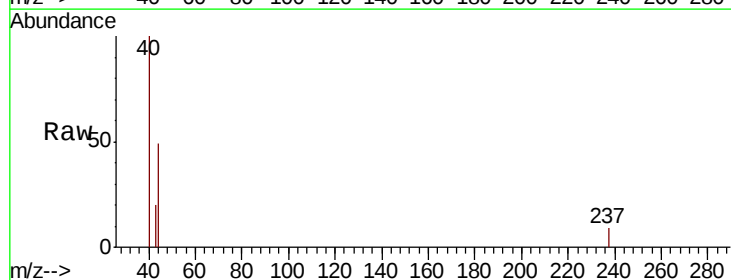
Tgt Ion:237 Resp: 53

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

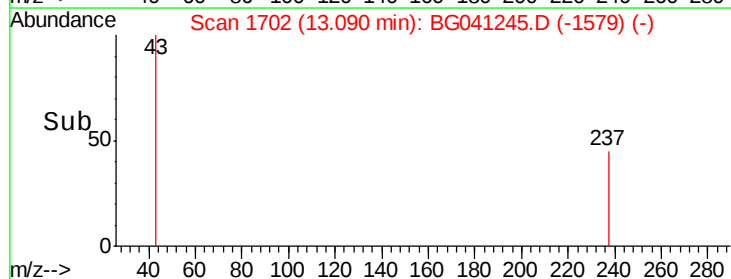
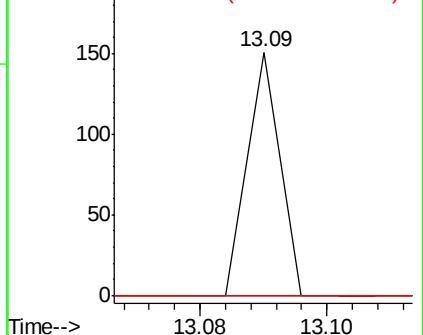
272 0.0 0.0 32.9

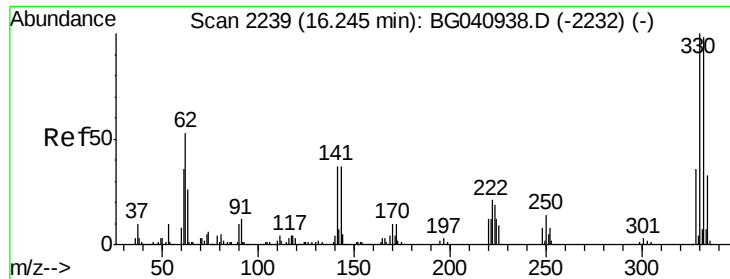


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

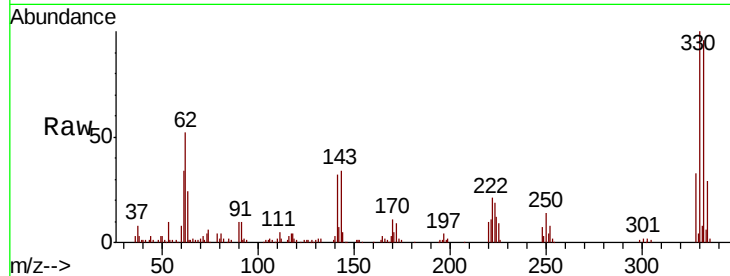




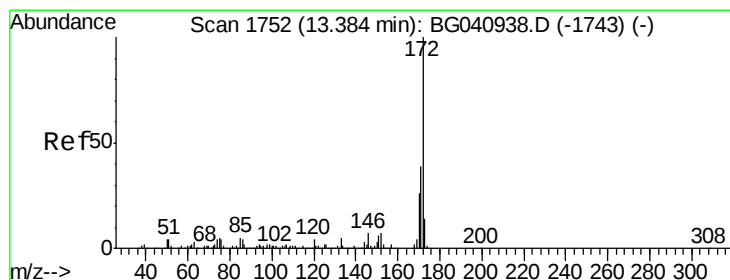
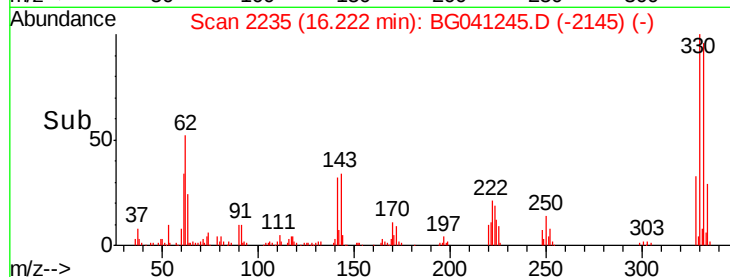
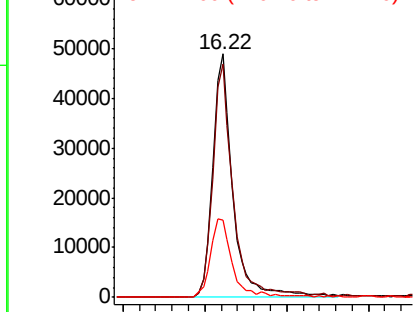
#42
 2,4,6-Tribromophenol
 Concen: 54.216 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG041245.D
 Acq: 14 Jun 2019 6:55

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.5	117.7
141	34.8	28.7	43.1

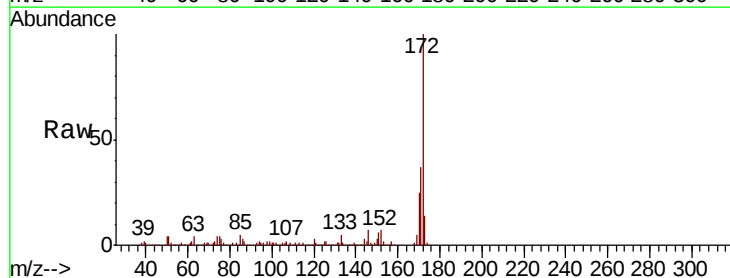


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

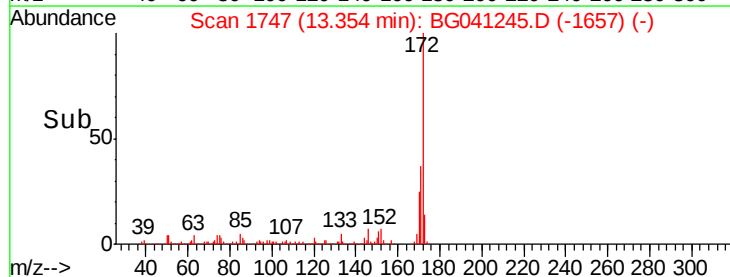
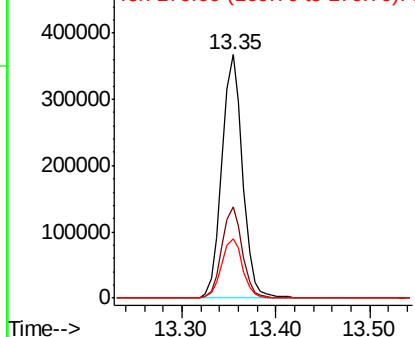


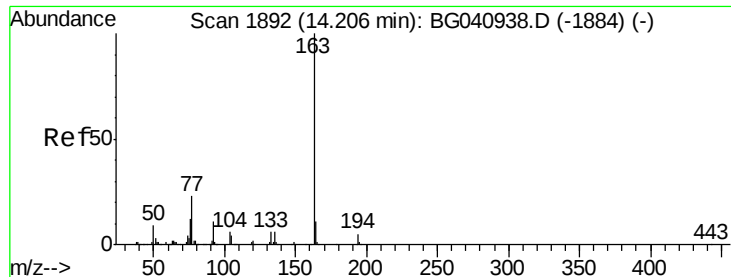
#45
 2-Fluorobiphenyl
 Concen: 78.375 ng
 RT: 13.35 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: BG041245.D
 Acq: 14 Jun 2019 6:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.1	46.7
170	24.5	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





#50

Dimethylphthalate

Concen: 8.053 ng

RT: 14.18 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

Instrument :

BNA_G

ClientSampleId :

DFTPP

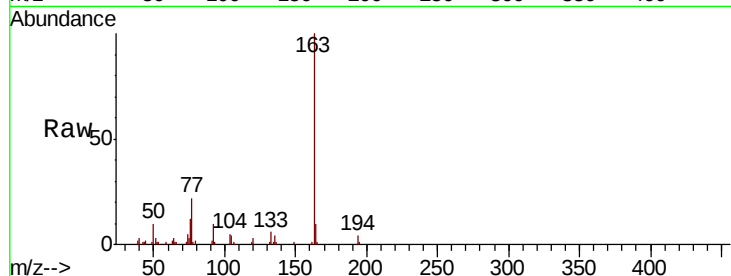
Tgt Ion:163 Resp: 70979

Ion Ratio Lower Upper

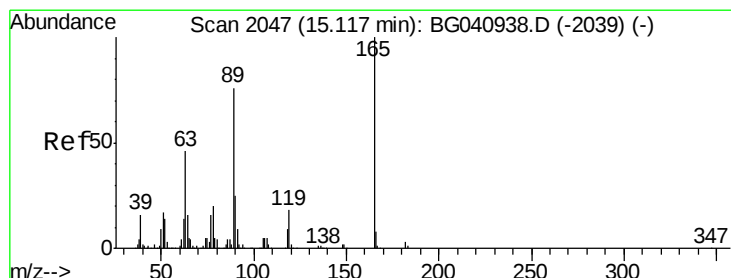
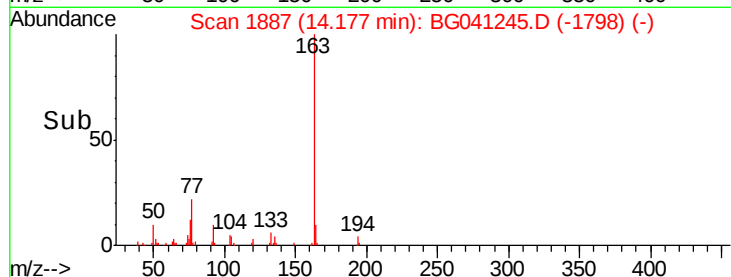
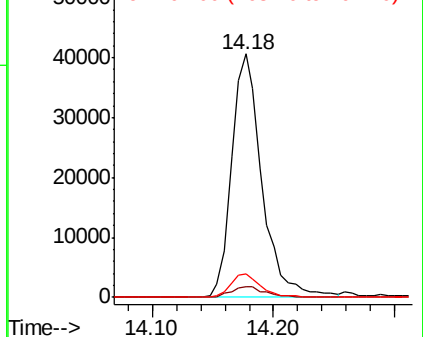
163 100

194 4.2 3.8 5.8

164 9.7 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.982 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.37 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

Tgt Ion:165 Resp: 13374

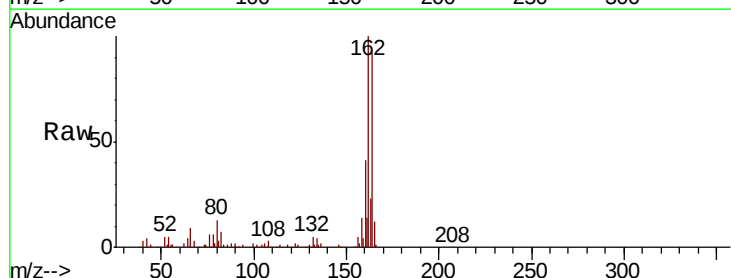
Ion Ratio Lower Upper

165 100

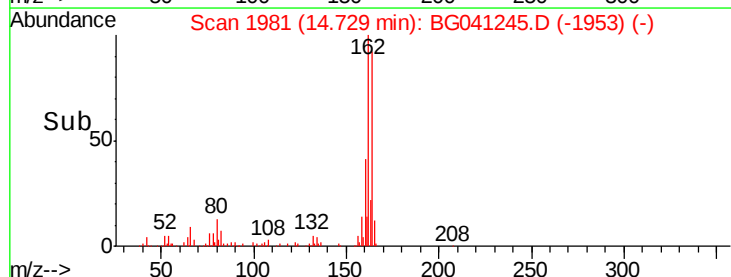
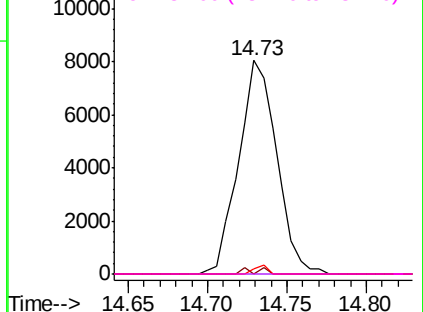
63 0.0 37.3 55.9#

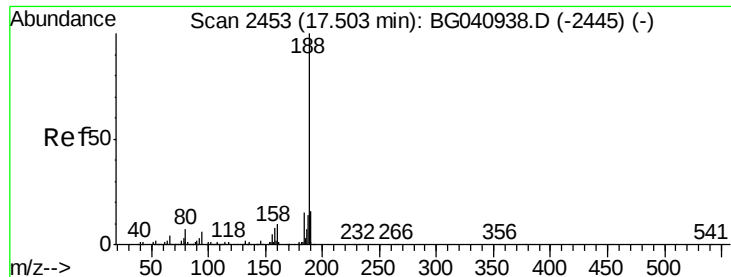
89 2.5 61.0 91.6#

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. -0.00 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

Instrument :

BNA_G

ClientSampleId :

DFTPP

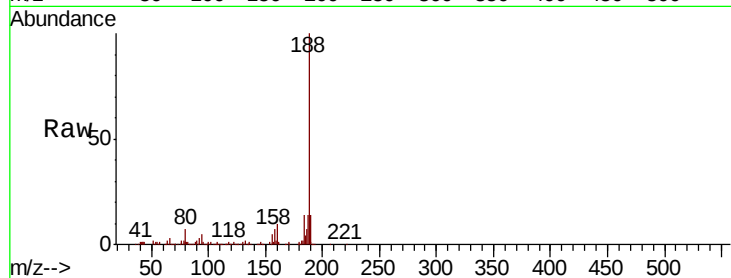
Tgt Ion:188 Resp: 249212

Ion Ratio Lower Upper

188 100

94 5.2 4.7 7.1

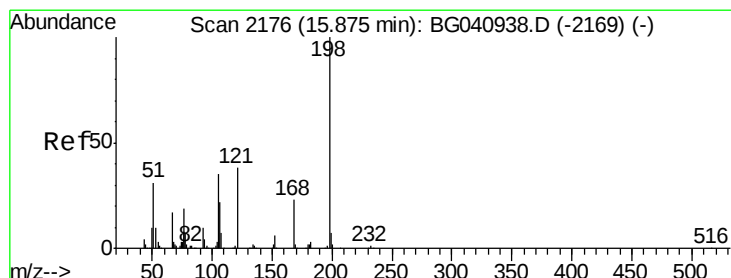
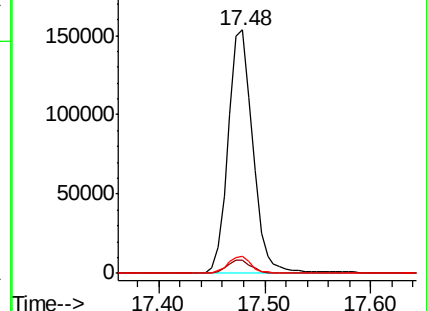
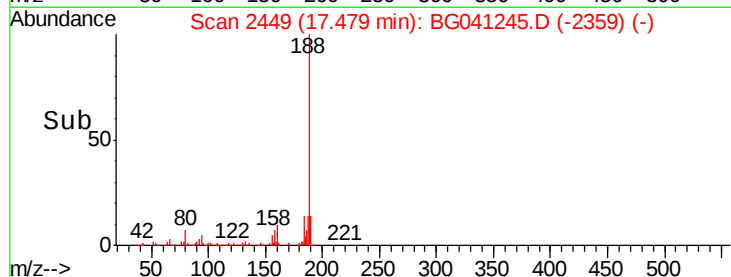
80 7.2 5.8 8.8



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: 8.684 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.36 min

Lab File: BG041245.D

Acq: 14 Jun 2019 6:55

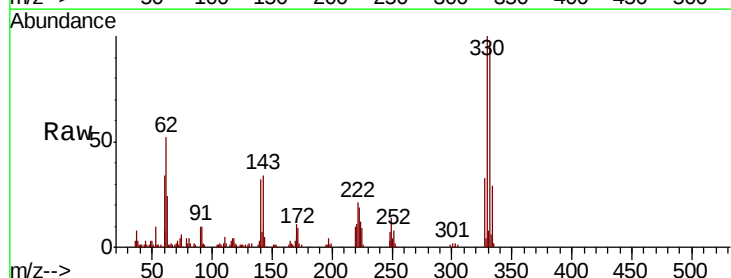
Tgt Ion:198 Resp: 154

Ion Ratio Lower Upper

198 100

51 134.0 21.6 61.6#

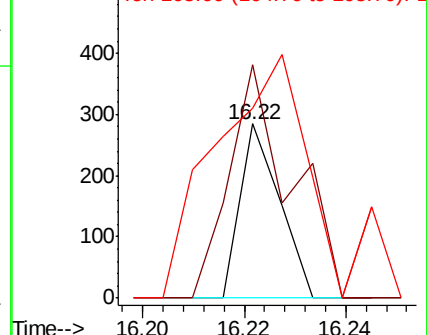
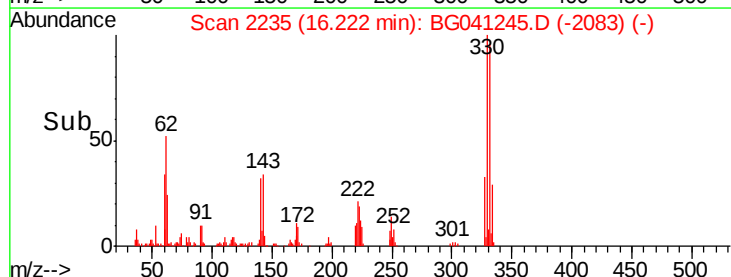
105 109.1 17.5 57.5#

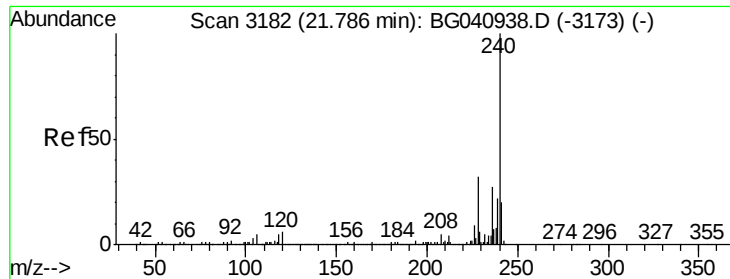


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

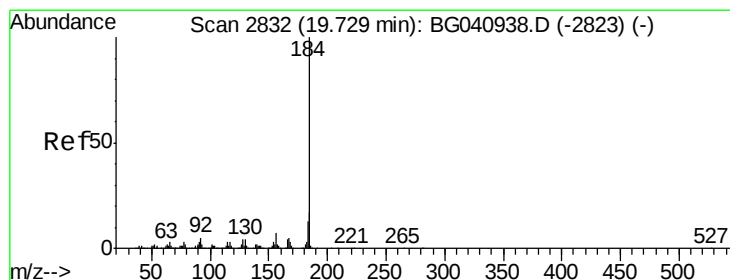
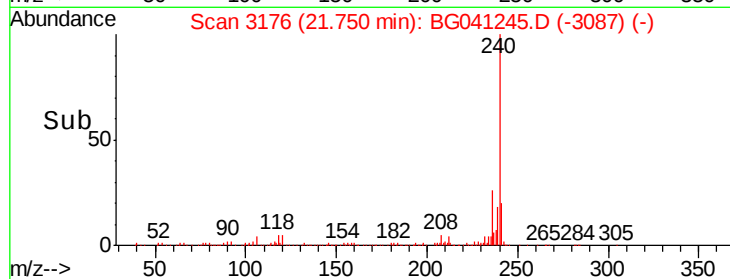
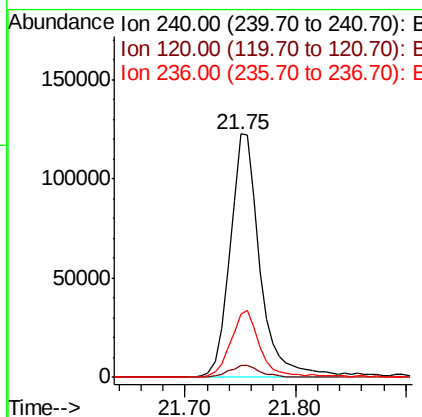
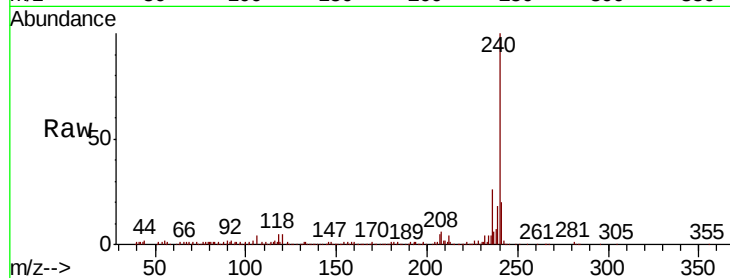




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BG041245.D
Acq: 14 Jun 2019 6:55

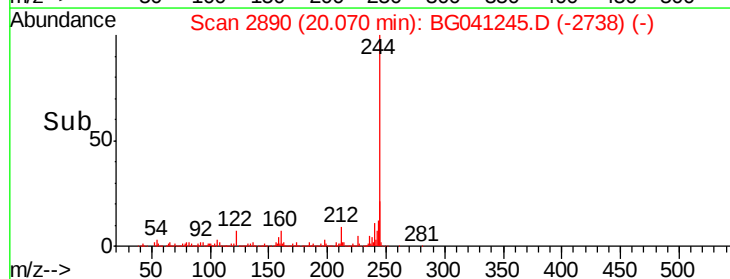
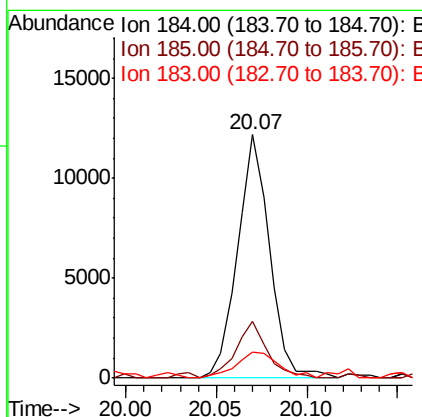
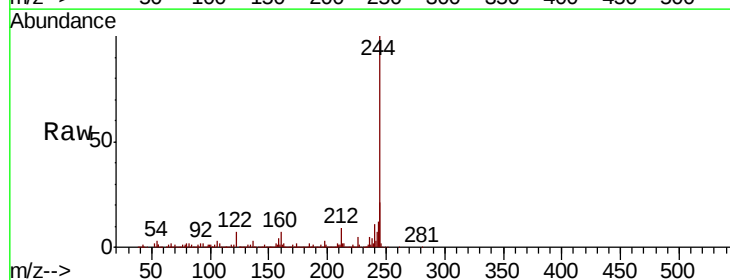
Instrument :
BNA_G
ClientSampleId :
DFTPP

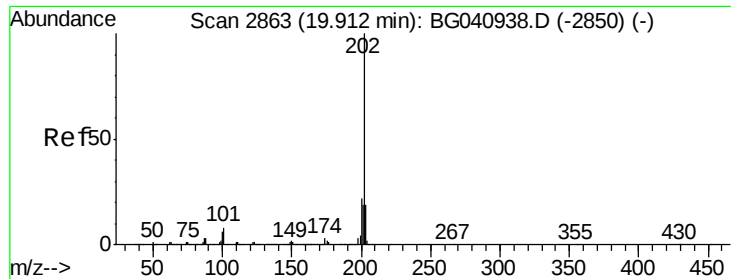
Tgt Ion:240 Resp: 232502
Ion Ratio Lower Upper
240 100
120 4.9 4.5 6.7
236 25.7 21.3 31.9



#77
Benzidine
Concen: 2.693 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.36 min
Lab File: BG041245.D
Acq: 14 Jun 2019 6:55

Tgt Ion:184 Resp: 14939
Ion Ratio Lower Upper
184 100
185 23.1 13.3 19.9#
183 10.6 10.7 16.1#

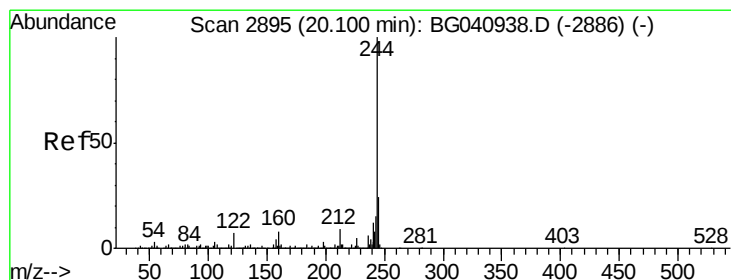
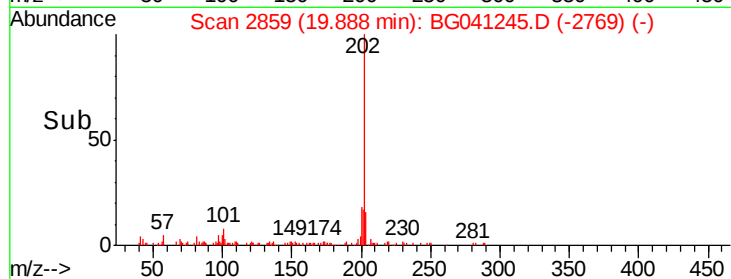
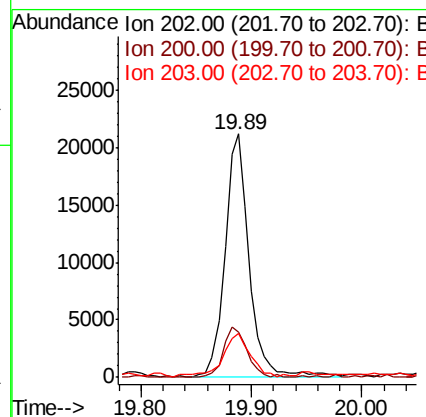
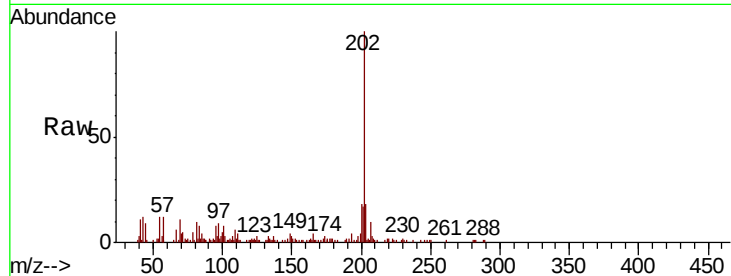




#78
 Pyrene
 Concen: 2.146 ng
 RT: 19.89 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG041245.D
 Acq: 14 Jun 2019 6:55

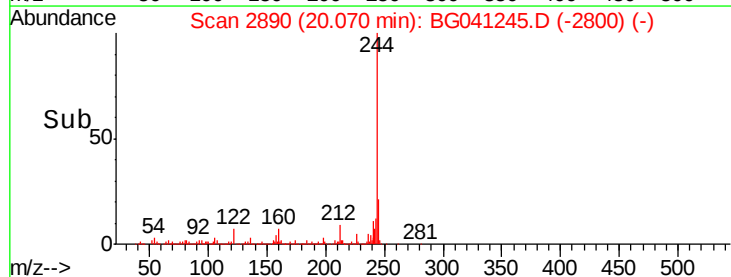
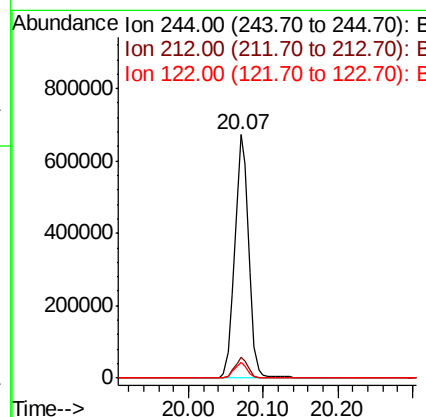
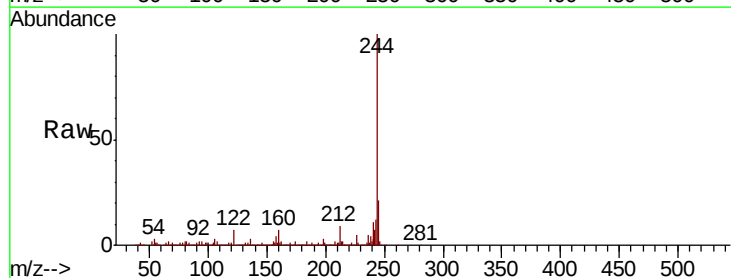
Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

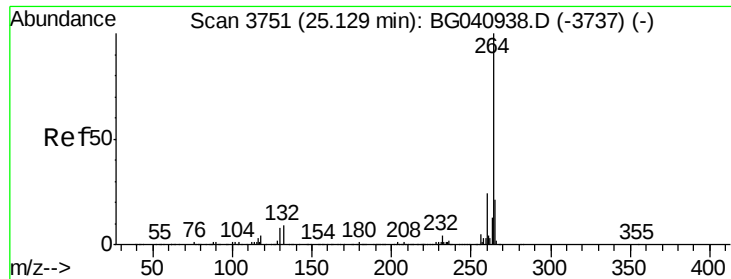
Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.3	17.5	26.3
203	18.2	15.6	23.4



#79
 Terphenyl-d14
 Concen: 81.194 ng
 RT: 20.07 min Scan# 2890
 Delta R.T. -0.00 min
 Lab File: BG041245.D
 Acq: 14 Jun 2019 6:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.4
122	6.6	5.4	8.0





#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.08 min Scan# 3742
 Delta R.T. -0.01 min
 Lab File: BG041245.D
 Acq: 14 Jun 2019 6:55

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tgt Ion: 264 Resp: 200438
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.4
 265 21.1 17.0 25.4

