

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102519\
 Data File : BG043340.D
 Acq On : 25 Oct 2019 15:28
 Operator : JU
 Sample : PB124305TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Oct 25 16:22:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

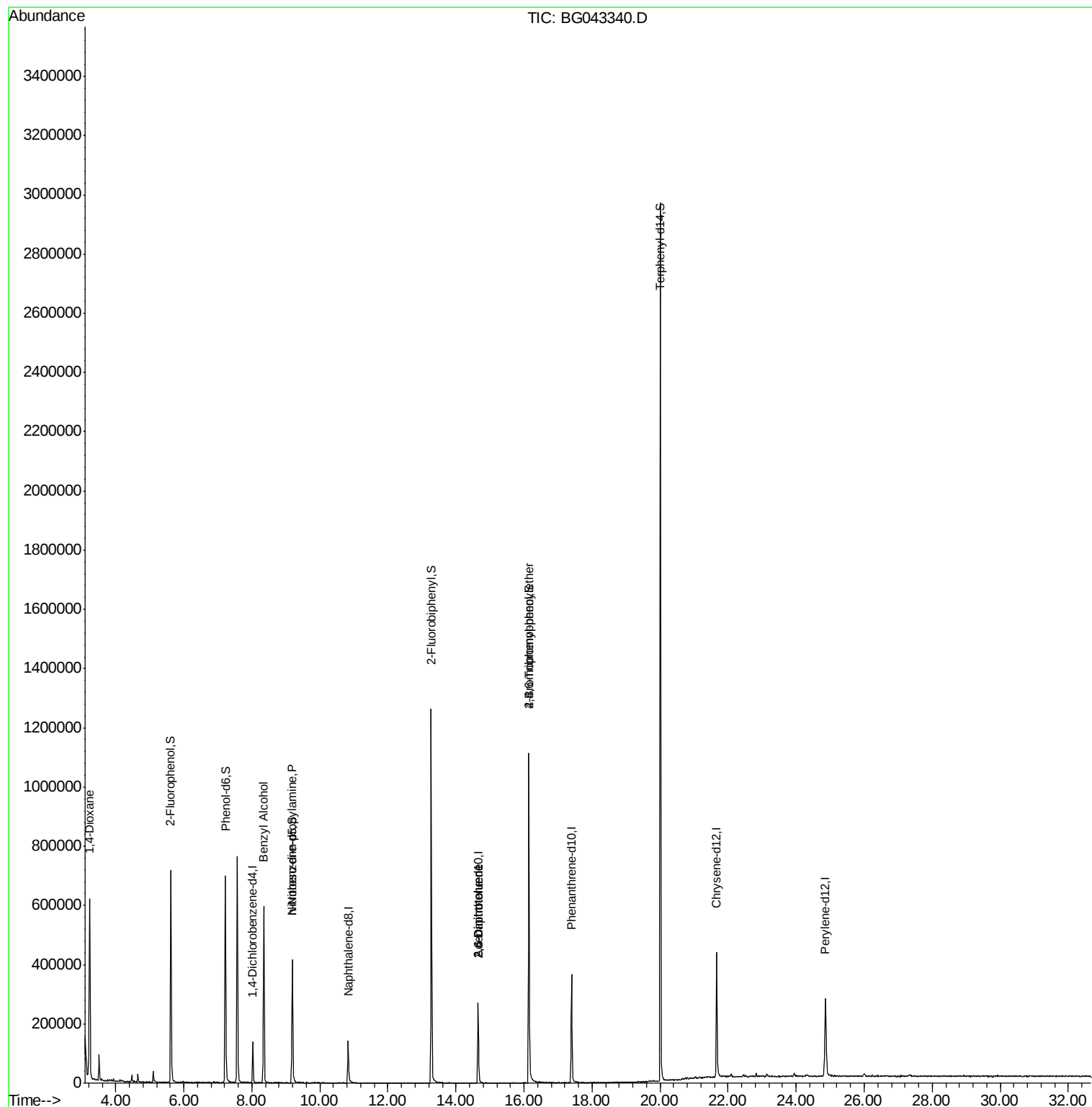
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	41830	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	139325	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	108551	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	259616	20.00	ng	0.00
76) Chrysene-d12	21.66	240	285507	20.00	ng	0.00
87) Perylene-d12	24.86	264	331082	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	325396	142.55	ng	0.02
7) Phenol-d6	7.22	99	439557	133.83	ng	0.02
23) Nitrobenzene-d5	9.19	82	270132	99.96	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	291506	141.12	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	748792	95.32	ng	0.00
79) Terphenyl-d14	20.01	244	1502895	98.75	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.24	88	7975	8.965	ng	# 1
15) Benzyl Alcohol	8.35	79	4738	2.054	ng	# 57
19) n-Nitroso-di-n-propylamine	9.19	70	38358	18.074	ng	# 75
51) 2,6-Dinitrotoluene	14.65	165	14368	7.866	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	14368	5.504	ng	# 27
67) 4-Bromophenyl-phenylether	16.14	248	17621	5.043	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: 8.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

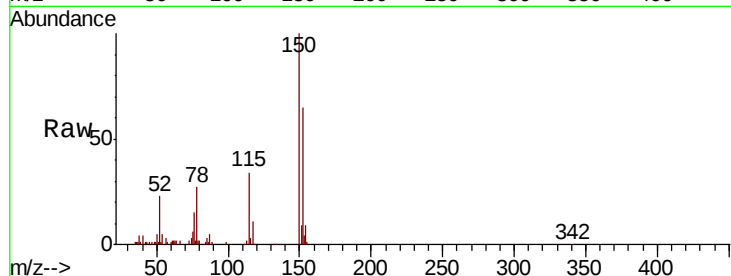
Tot Ion:152 Resp: 41830

Ion Ratio Lower Upper

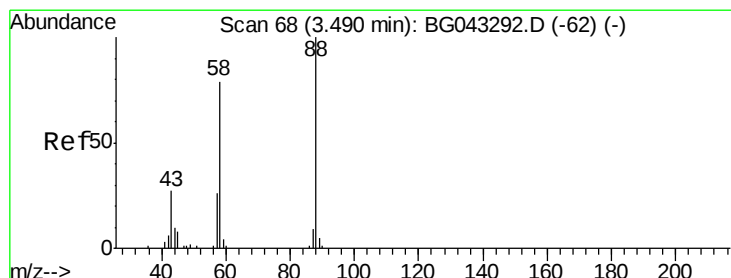
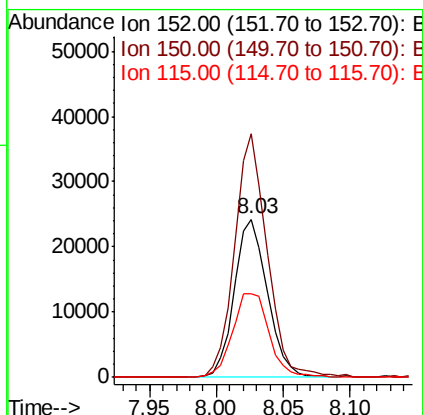
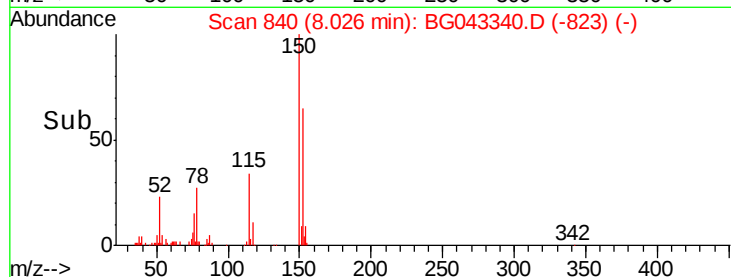
152 100

150 154.2 113.6 170.4

115 52.7 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



#2

1,4-Dioxane

Concen: 8.965 ng

RT: 3.24 min Scan# 25

Delta R.T. -0.25 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

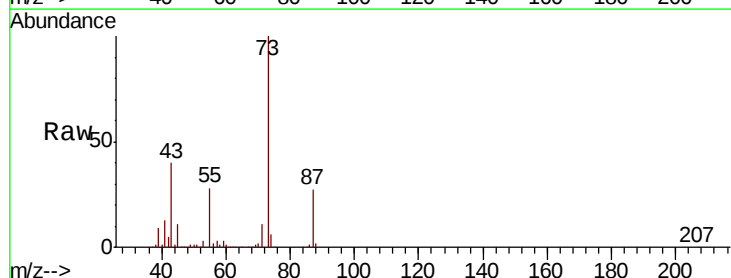
Tgt Ion: 88 Resp: 7975

Ion Ratio Lower Upper

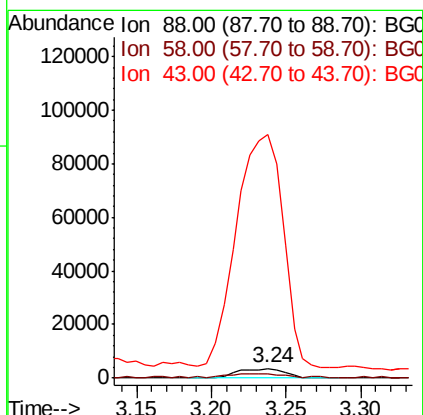
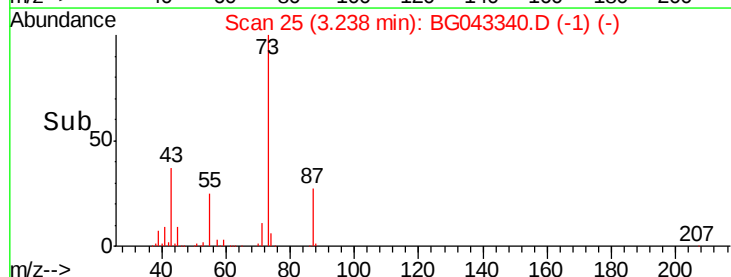
88 100

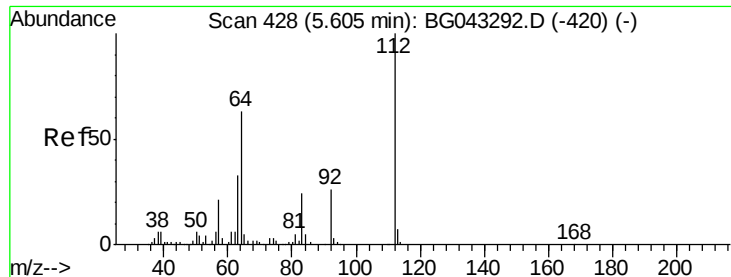
58 52.8 60.2 90.2#

43 2379.4 22.7 34.1#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 142.546 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.02 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

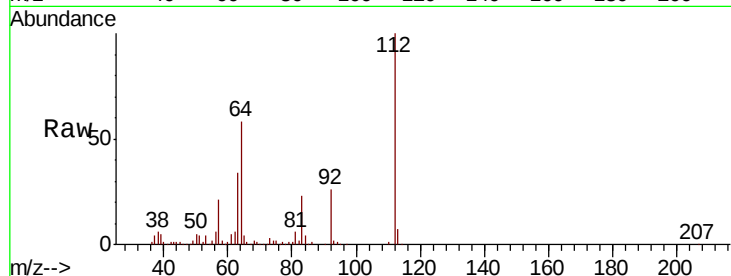
Tot Ion:112 Resp: 325396

Ion Ratio Lower Upper

112 100

64 58.3 50.2 75.2

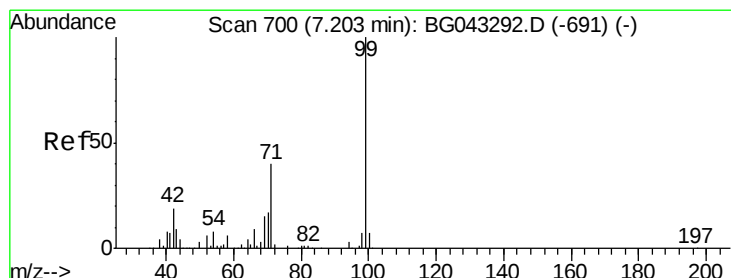
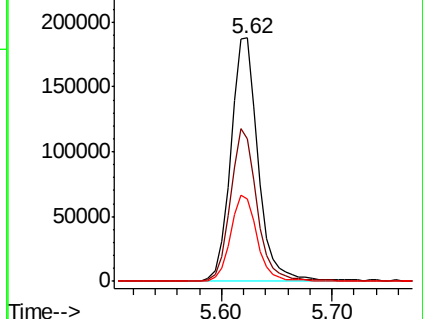
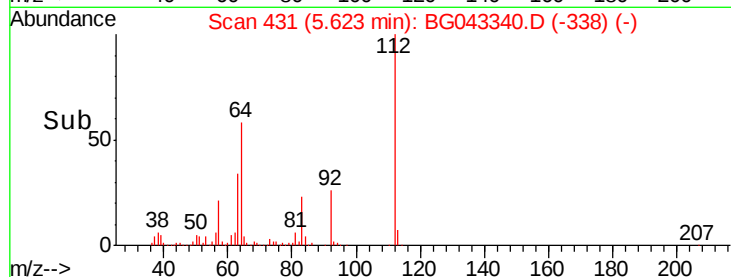
63 34.1 26.7 40.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 133.835 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.02 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

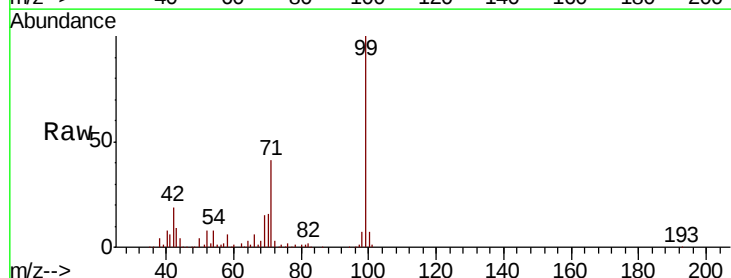
Tgt Ion: 99 Resp: 439557

Ion Ratio Lower Upper

99 100

42 18.5 14.9 22.3

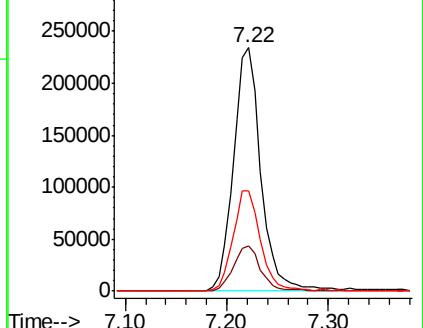
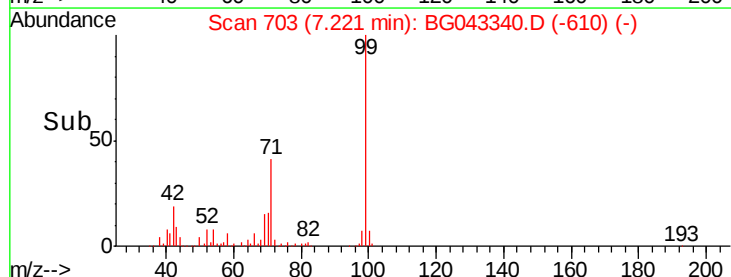
71 41.3 32.2 48.2

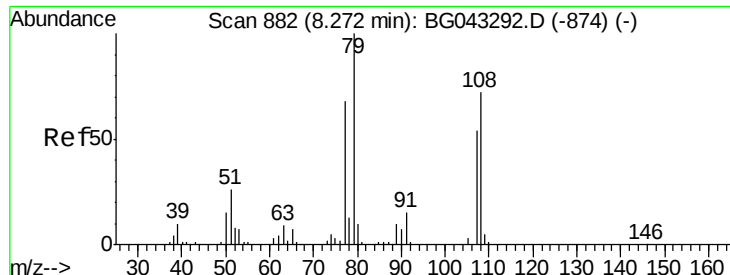


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.054 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.08 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

Instrument :

BNA_G

ClientSampled :

DFTPP

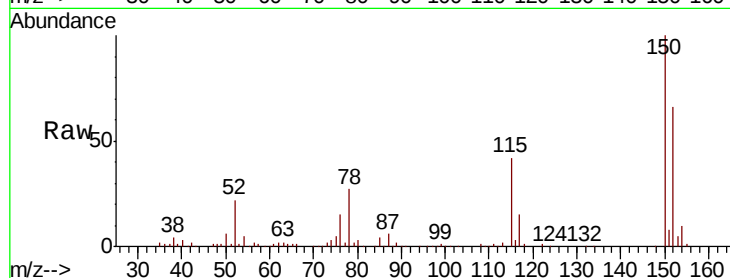
Tot Ion: 79 Resp: 4738

Ion Ratio Lower Upper

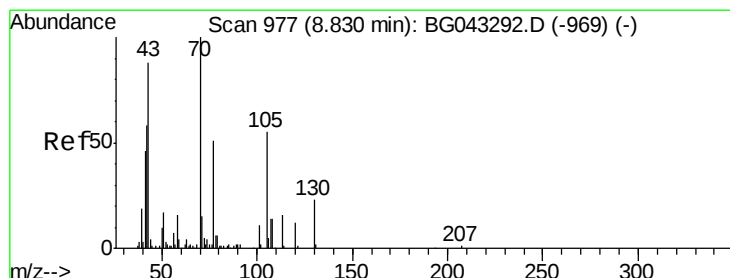
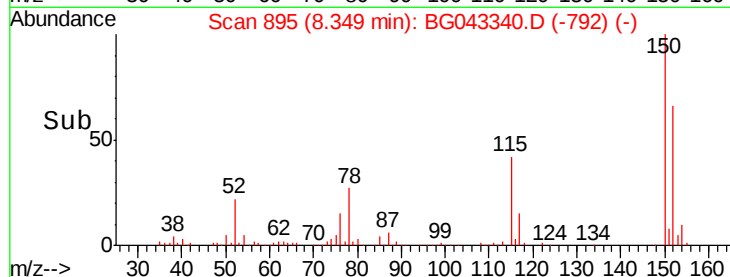
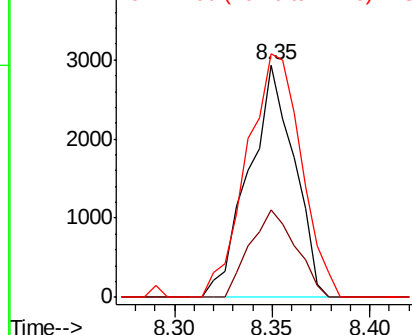
79 100

108 37.7 57.3 85.9#

77 104.9 54.6 81.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 18.074 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

Tgt Ion: 70 Resp: 38358

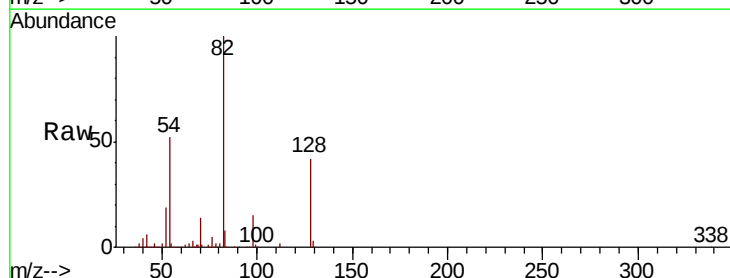
Ion Ratio Lower Upper

70 100

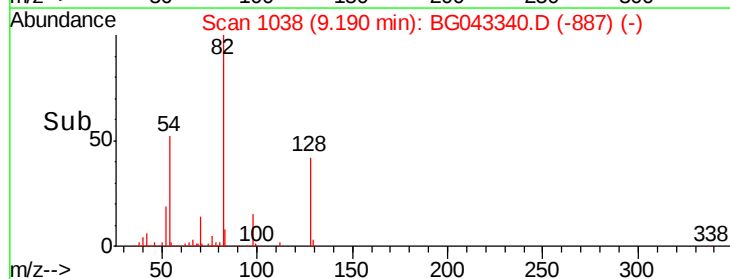
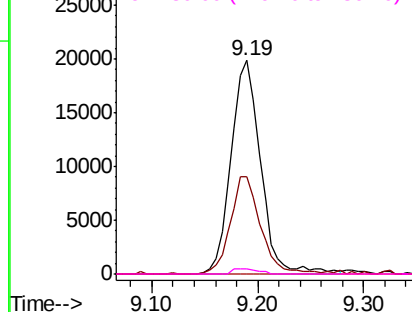
42 45.5 46.2 69.2#

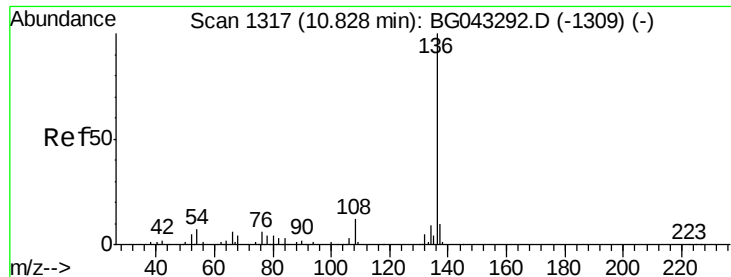
101 0.0 8.6 13.0#

130 2.2 18.6 27.8#



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

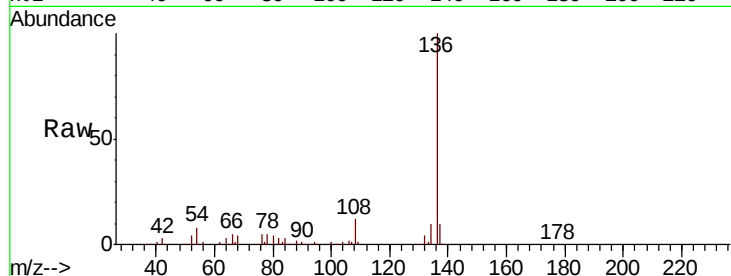




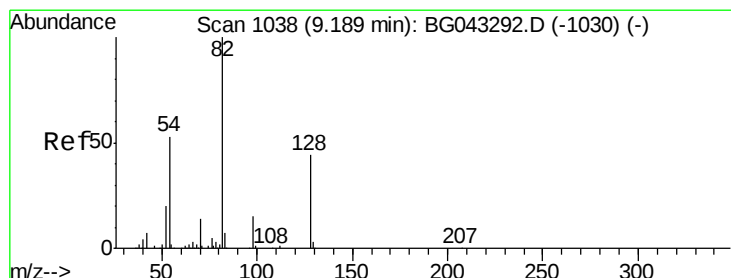
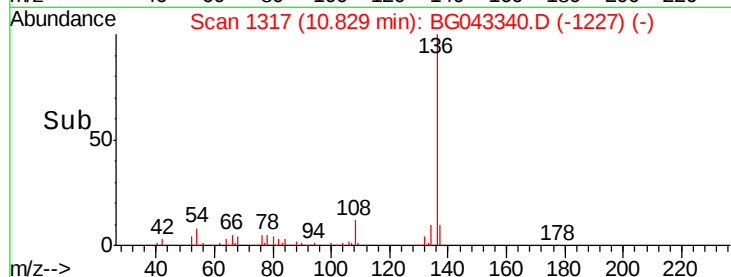
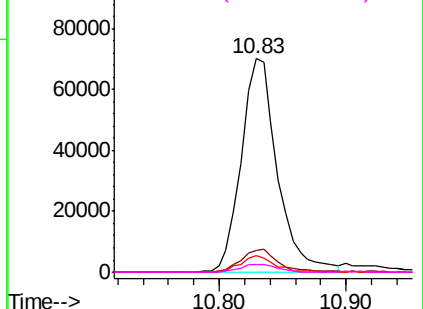
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG043340.D
Acq: 25 Oct 2019 15:28

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tot Ion:136	Resp:	139325
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.2	12.2
54 7.5	5.4	8.2
68 3.9	3.3	4.9

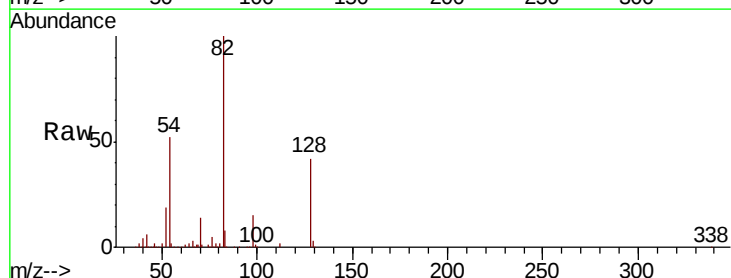


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

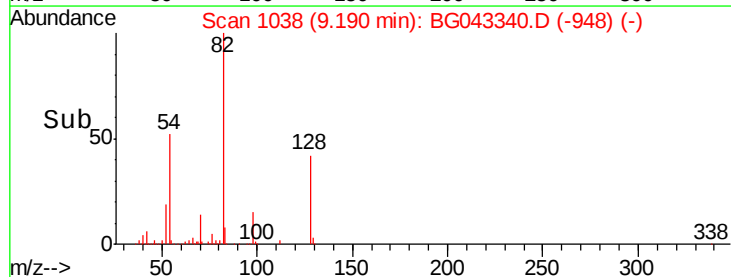
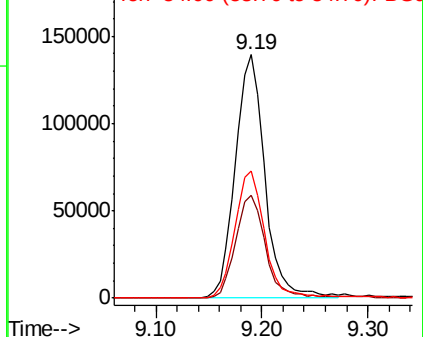


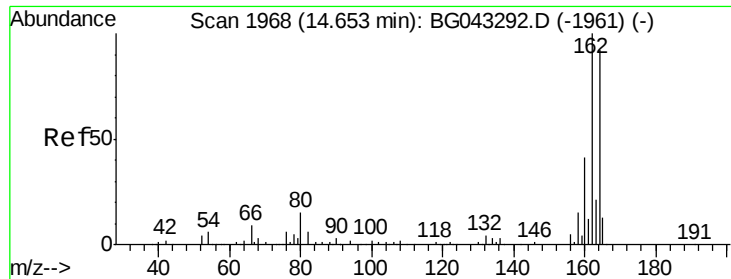
#23
Nitrobenzene-d5
Concen: 99.957 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BG043340.D
Acq: 25 Oct 2019 15:28

Tgt Ion: 82	Resp: 270132
Ion Ratio	Lower Upper
82 100	
128 42.1	35.3 52.9
54 52.0	42.3 63.5



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: 14.65 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

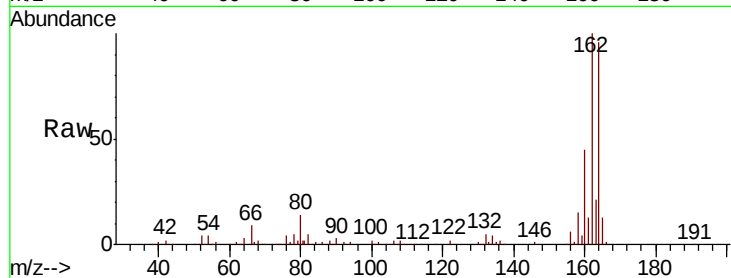
Tot Ion:164 Resp: 108551

Ion Ratio Lower Upper

164 100

162 104.3 87.0 130.4

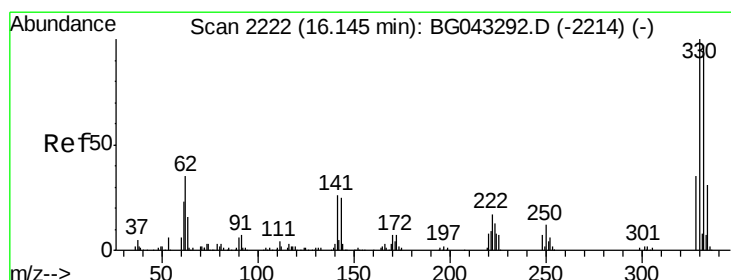
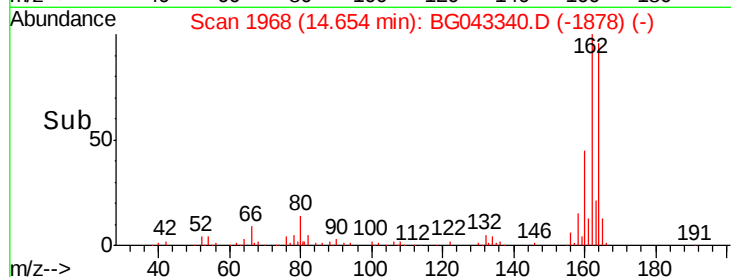
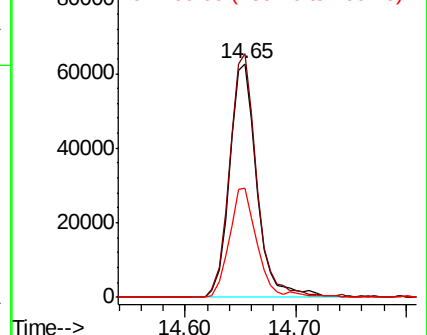
160 46.7 35.5 53.3



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: 141.115 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

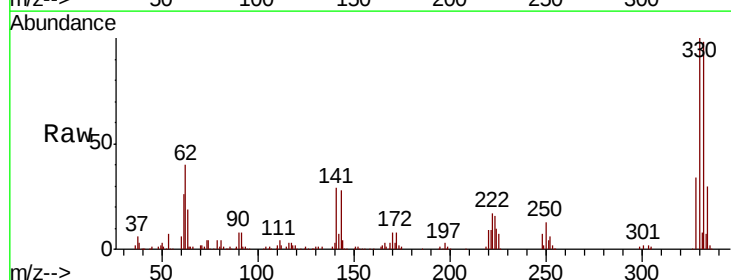
Tgt Ion:330 Resp: 291506

Ion Ratio Lower Upper

330 100

332 95.6 76.4 114.6

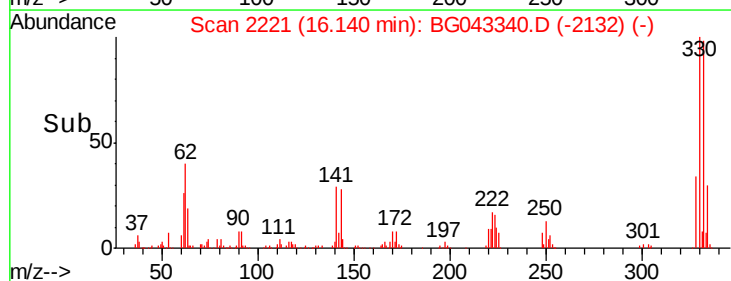
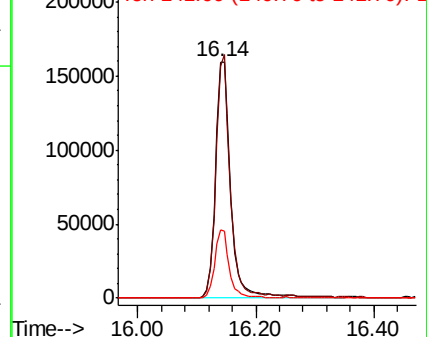
141 27.1 21.4 32.0

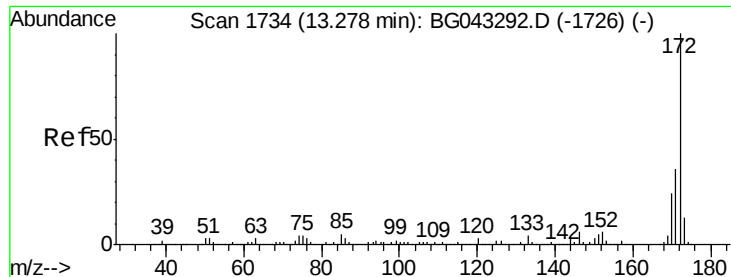


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

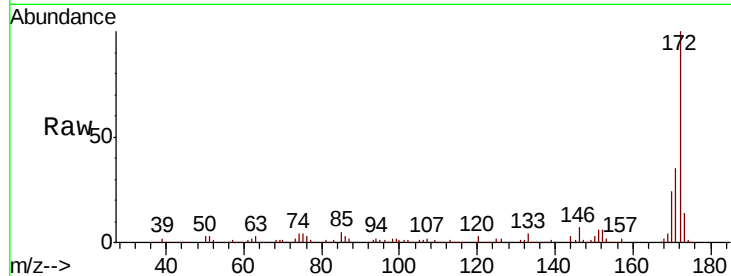




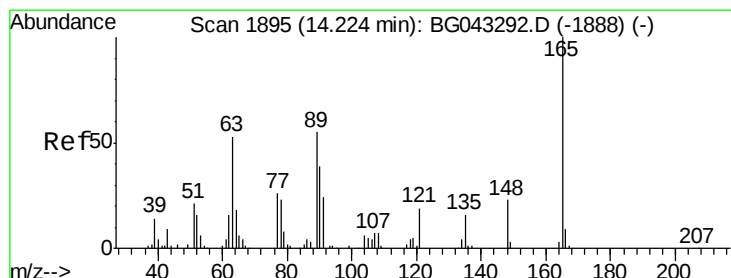
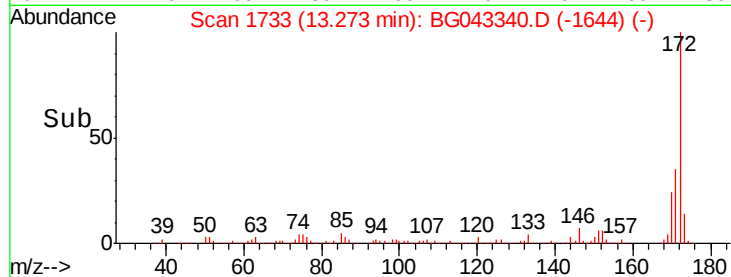
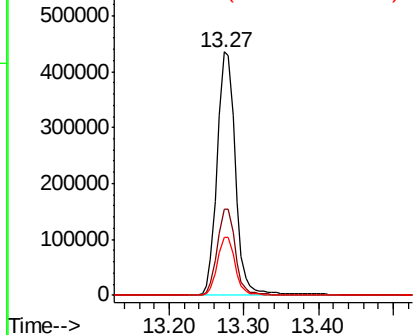
#45
2-Fluorobiphenyl
Concen: 95.318 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG043340.D
Acq: 25 Oct 2019 15:28

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tot Ion:172 Resp: 748792
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.8 18.8 28.2

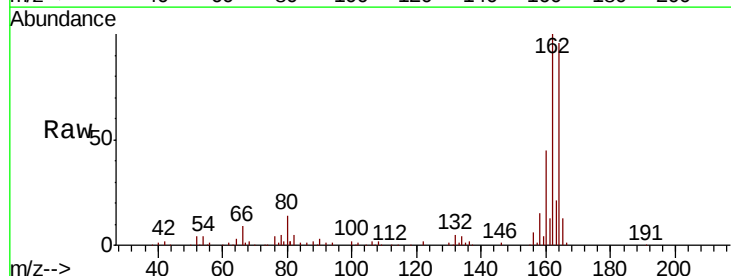


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

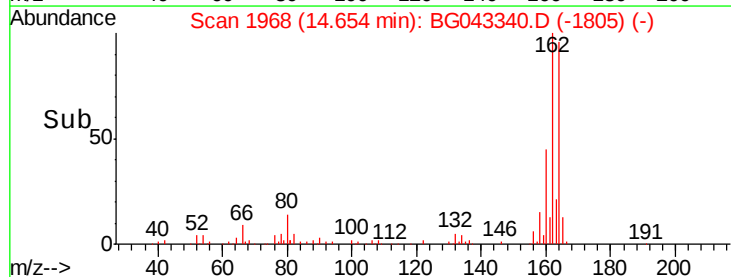
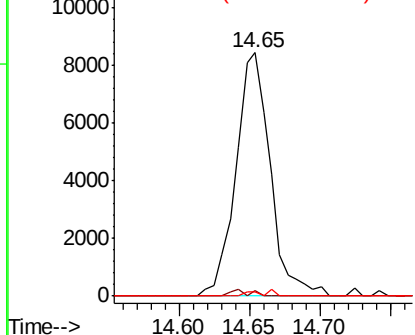


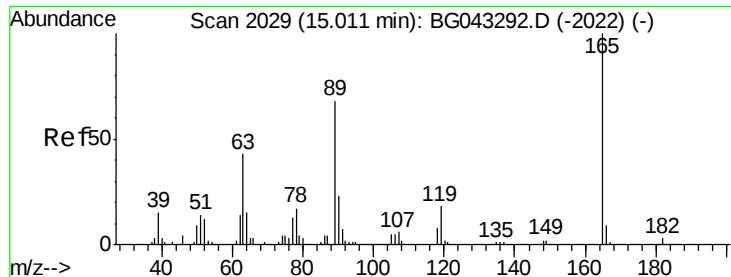
#51
2,6-Dinitrotoluene
Concen: 7.866 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.43 min
Lab File: BG043340.D
Acq: 25 Oct 2019 15:28

Tgt Ion:165 Resp: 14368
Ion Ratio Lower Upper
165 100
63 2.3 47.1 70.7#
89 2.0 43.7 65.5#



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

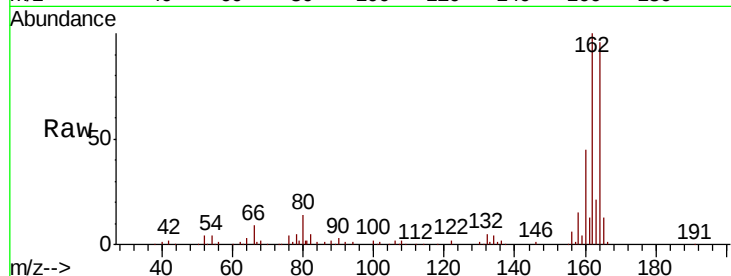




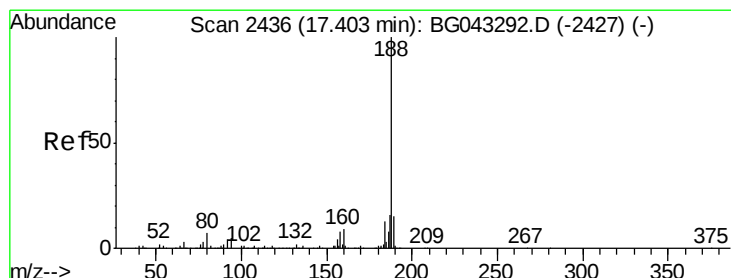
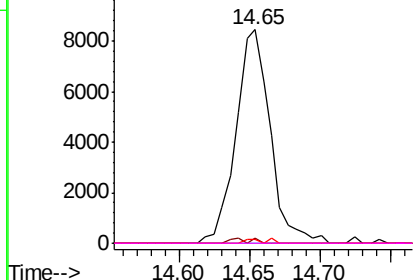
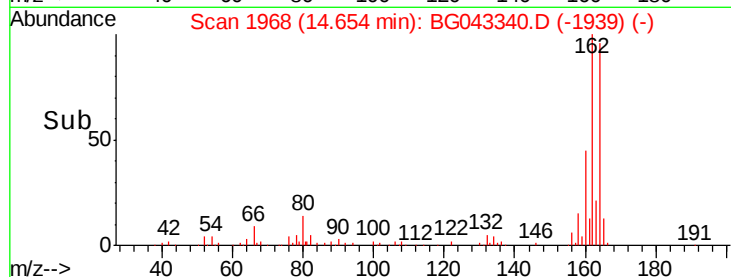
#57
 2,4-Dinitrotoluene
 Concen: 5.504 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043340.D
 Acq: 25 Oct 2019 15:28

Instrument :
 BNA_G
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 DFTPP

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	35.0	52.6#
89	2.0	54.1	81.1#
182	0.0	2.2	3.2#

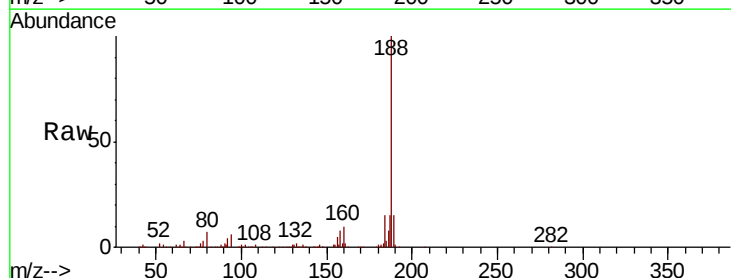


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

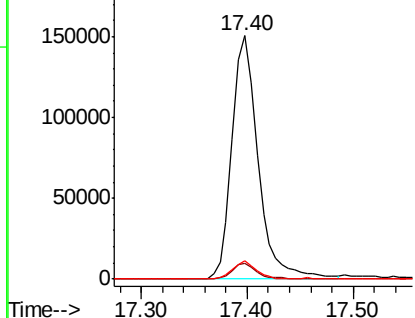
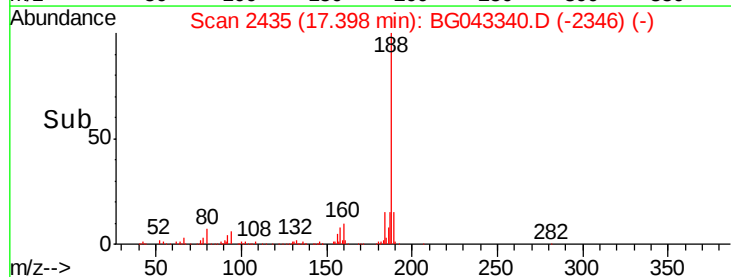


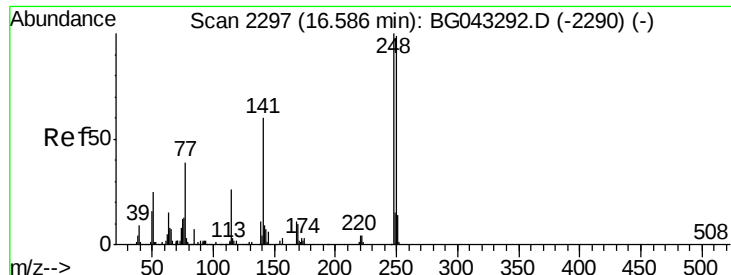
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043340.D
 Acq: 25 Oct 2019 15:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	4.2	6.2#
80	7.3	5.2	7.8



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

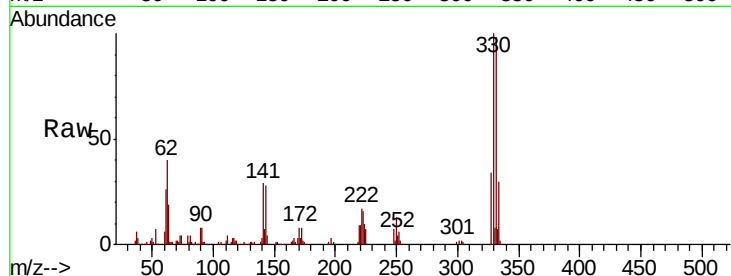




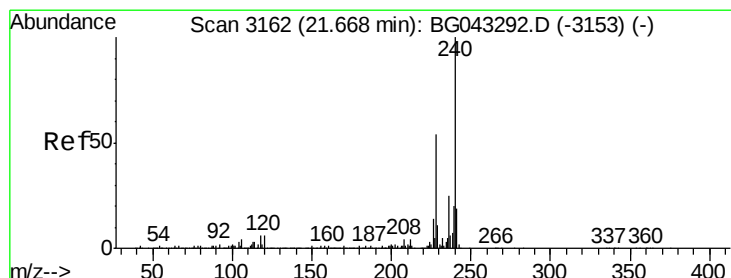
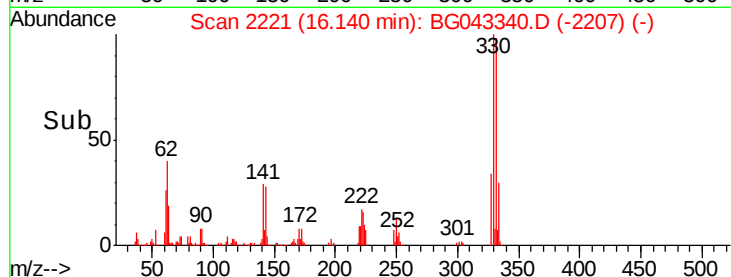
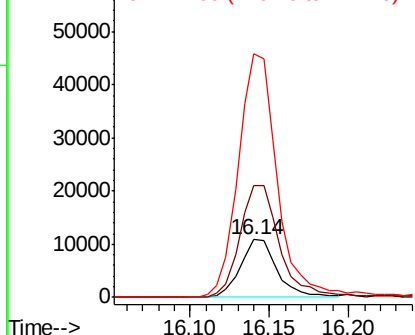
#67
4-Bromophenyl-phenylether
Concen: 5.043 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.45 min
Lab File: BG043340.D
Acq: 25 Oct 2019 15:28

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tot Ion:248 Resp: 17621
Ion Ratio Lower Upper
248 100
250 193.0 79.3 118.9#
141 420.4 47.9 71.9#

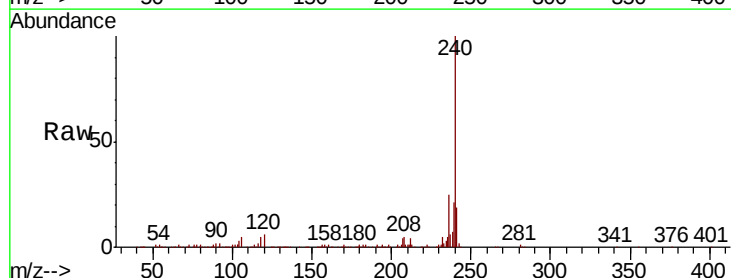


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

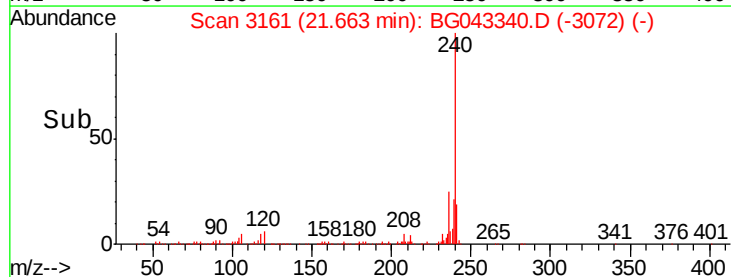
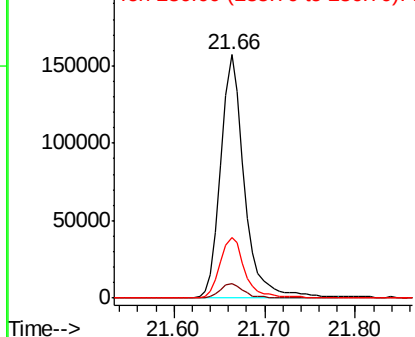


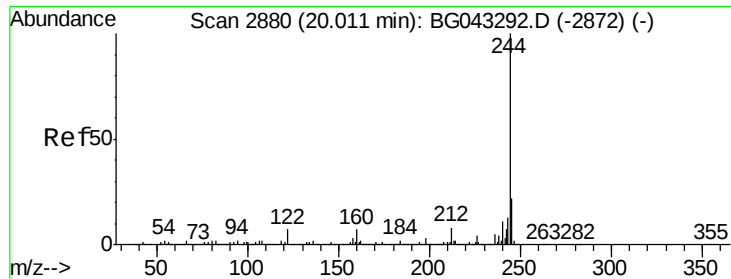
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG043340.D
Acq: 25 Oct 2019 15:28

Tgt Ion:240 Resp: 285507
Ion Ratio Lower Upper
240 100
120 5.9 4.6 7.0
236 25.0 20.2 30.4



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: 98.755 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

Instrument :

BNA_G

ClientSampleId :

DFTPP

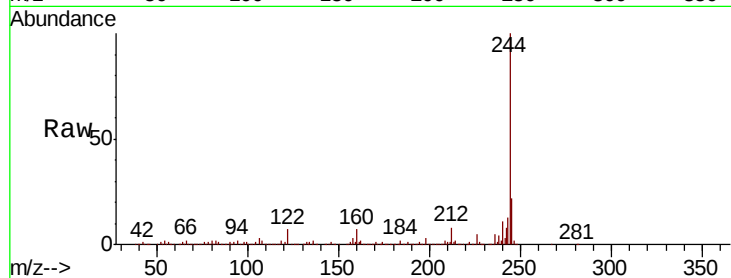
Tot Ion:244 Resp: 1502895

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

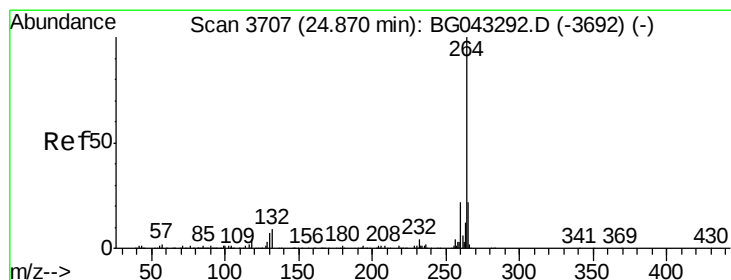
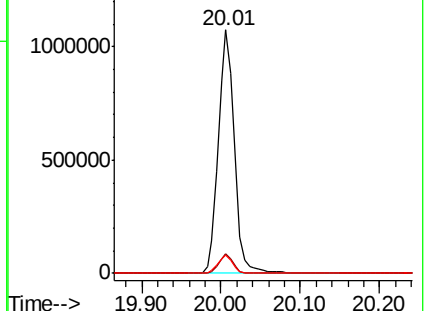
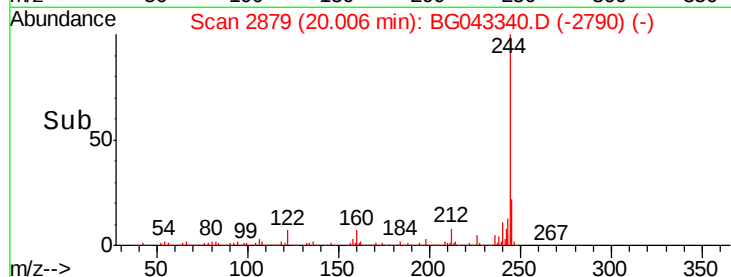
122 7.5 5.3 7.9



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: 24.86 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG043340.D

Acq: 25 Oct 2019 15:28

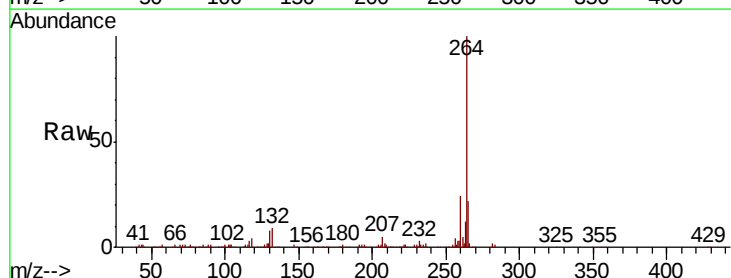
Tgt Ion:264 Resp: 331082

Ion Ratio Lower Upper

264 100

260 24.0 17.9 26.9

265 22.4 17.4 26.2



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

