

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062119\
 Data File : BG041391.D
 Acq On : 22 Jun 2019 2:06
 Operator : HP/JU
 Sample : K3455-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Jun 22 04:59:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

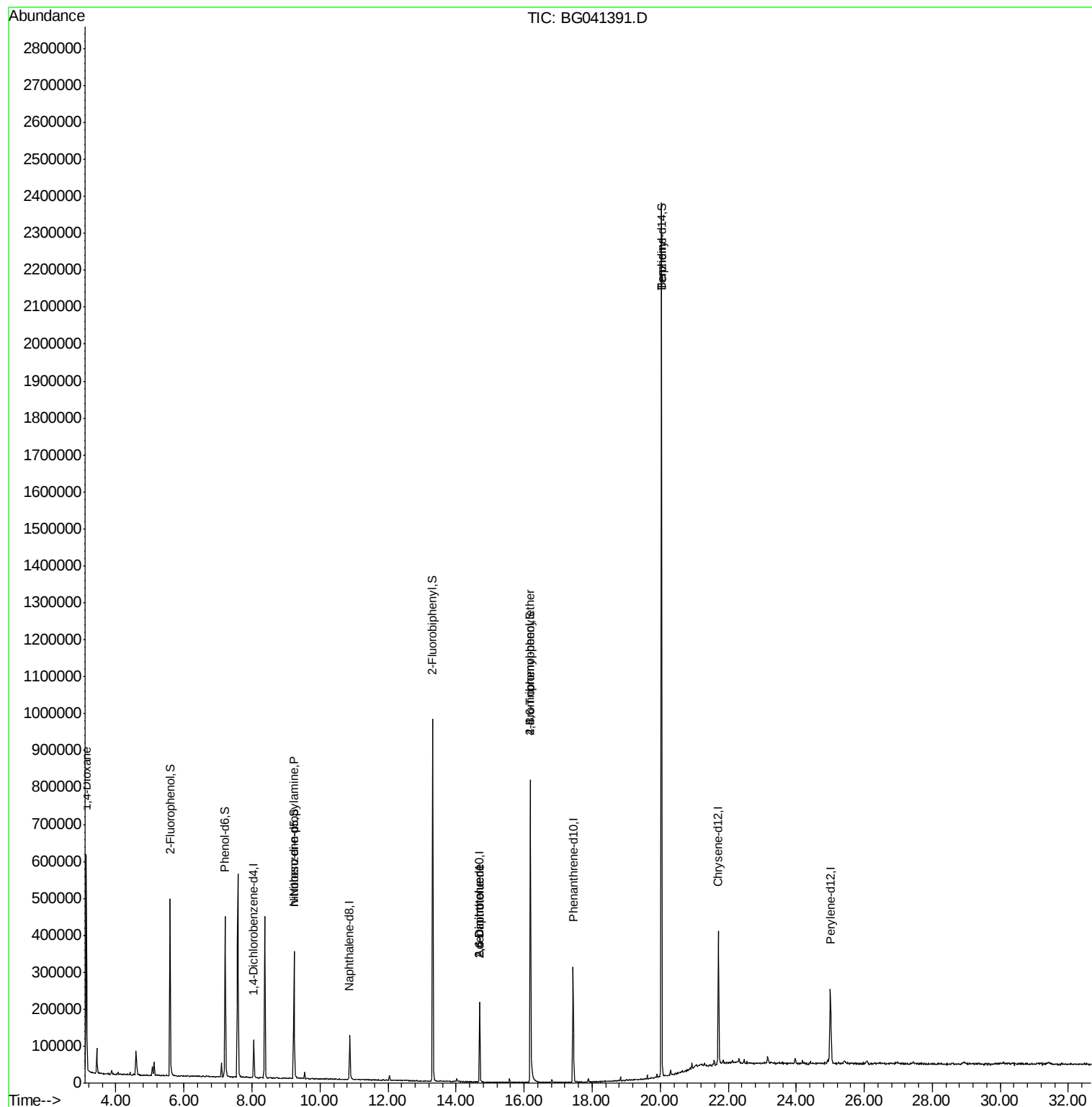
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	28251	20.00	ng	-0.03
21) Naphthalene-d8	10.88	136	103187	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	76714	20.00	ng	-0.03
64) Phenanthrene-d10	17.44	188	213617	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	221482	20.00	ng	-0.03
87) Perylene-d12	25.00	264	234033	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	184441	119.96	ng	-0.03
7) Phenol-d6	7.21	99	231152	103.72	ng	-0.02
23) Nitrobenzene-d5	9.23	82	217653	88.71	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	169561	143.97	ng	-0.02
45) 2-Fluorobiphenyl	13.31	172	510798	90.50	ng	-0.03
79) Terphenyl-d14	20.04	244	1074870	96.18	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.14	88	5350	6.939	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	32115	17.817	ng	# 76
51) 2,6-Dinitrotoluene	14.69	165	9691	6.733	ng	# 17
57) 2,4-Dinitrotoluene	14.69	165	9691	4.606	ng	# 20
67) 4-Bromophenyl-phenylether	16.18	248	12246	4.434	ng	# 1
77) Benzidine	20.04	184	19012	3.549	ng	# 93

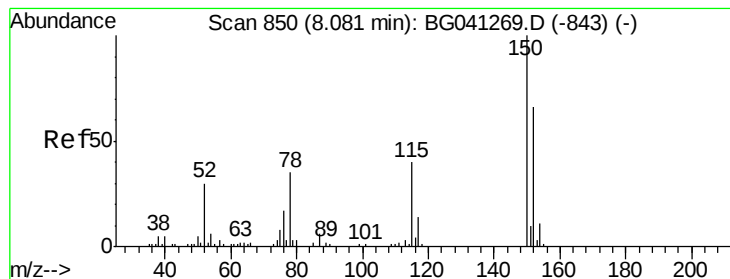
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.03 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

Instrument :

BNA_G

ClientSampleId :

DFTPP

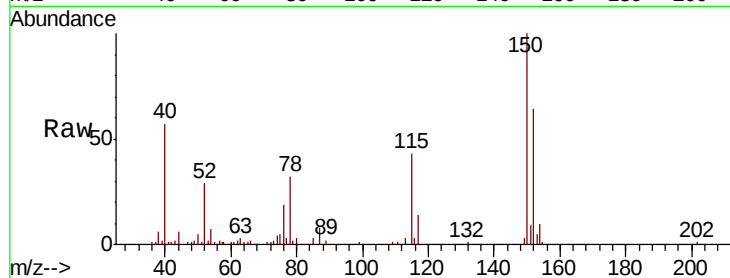
Tgt Ion:152 Resp: 28251

Ion Ratio Lower Upper

152 100

150 157.0 120.6 181.0

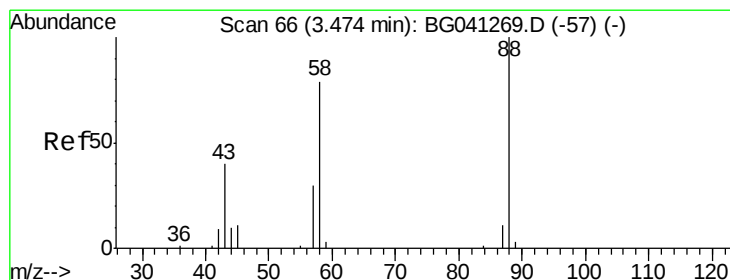
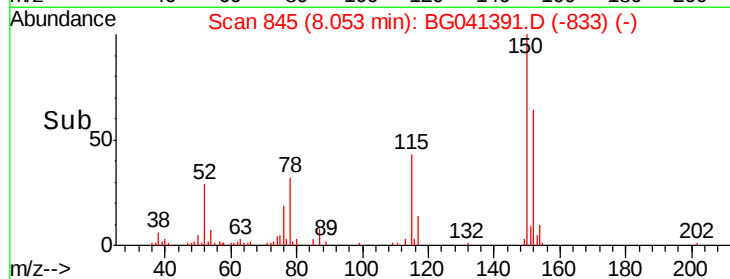
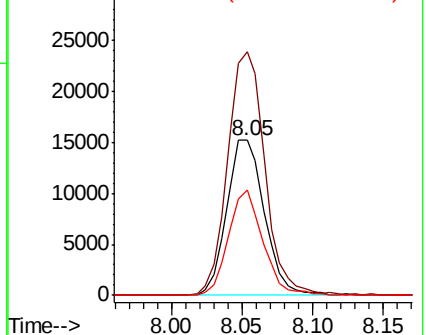
115 67.8 47.9 71.9



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: 6.939 ng

RT: 3.14 min Scan# 8

Delta R.T. -0.34 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

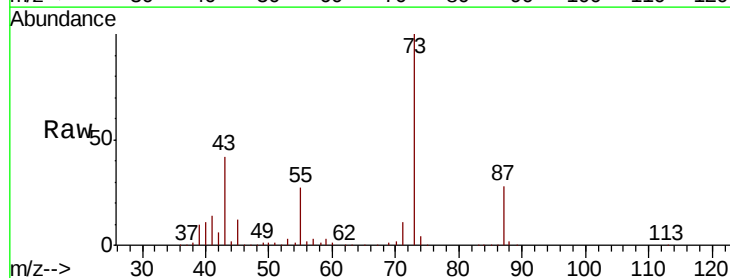
Tgt Ion: 88 Resp: 5350

Ion Ratio Lower Upper

88 100

58 55.4 59.7 89.5#

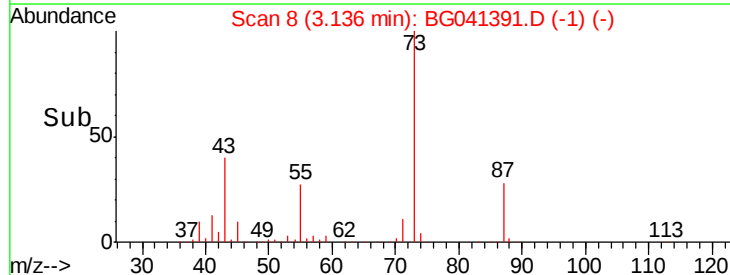
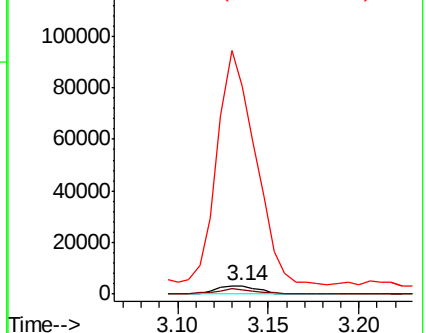
43 2474.9 31.9 47.9#

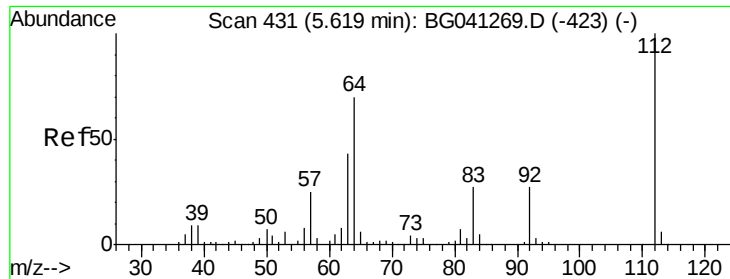


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 119.958 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.03 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

Instrument :

BNA_G

ClientSampleId :

DFTPP

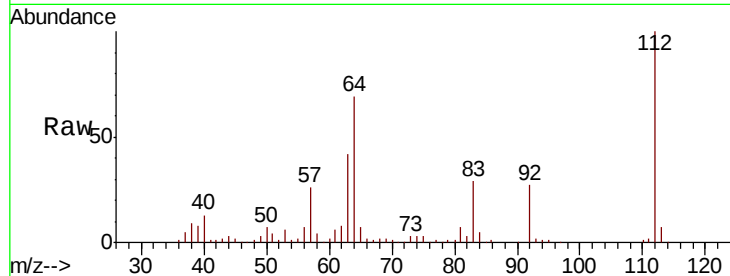
Tgt Ion: 112 Resp: 184441

Ion Ratio Lower Upper

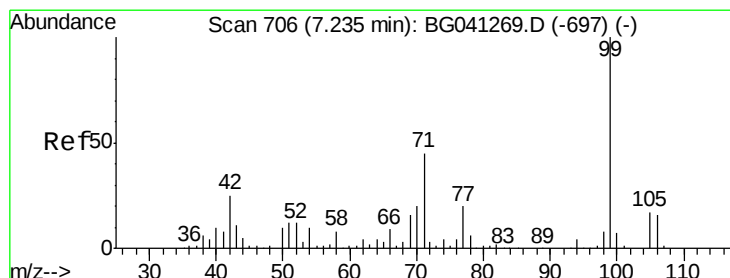
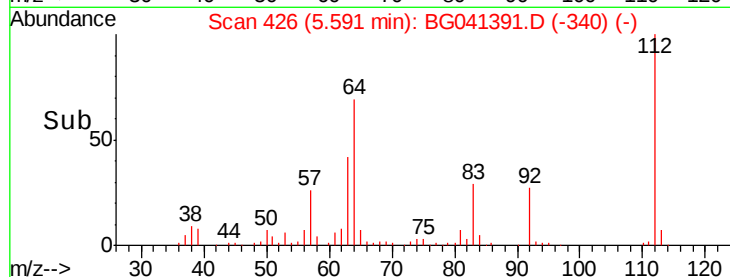
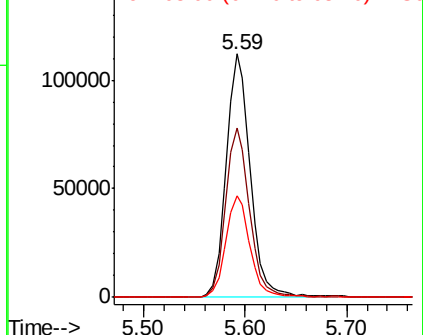
112 100

64 69.5 55.9 83.9

63 42.0 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 103.717 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

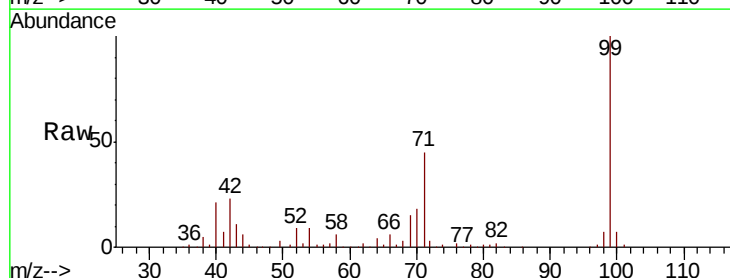
Tgt Ion: 99 Resp: 231152

Ion Ratio Lower Upper

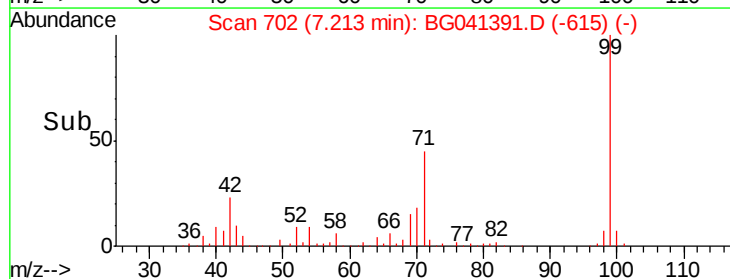
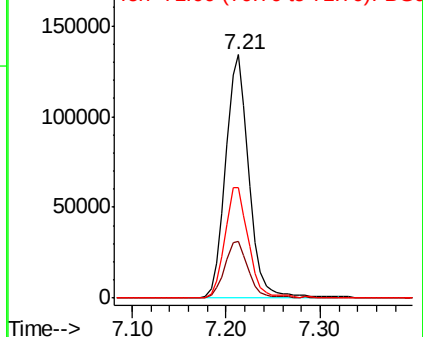
99 100

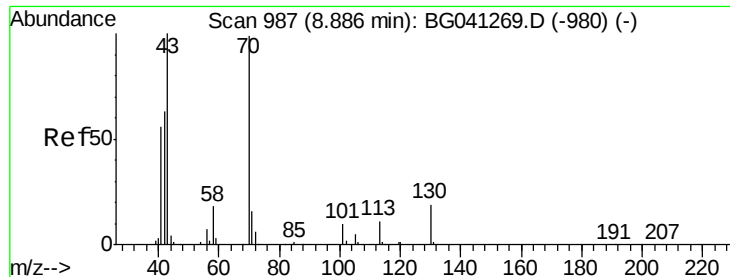
42 23.2 19.9 29.9

71 45.2 36.4 54.6



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

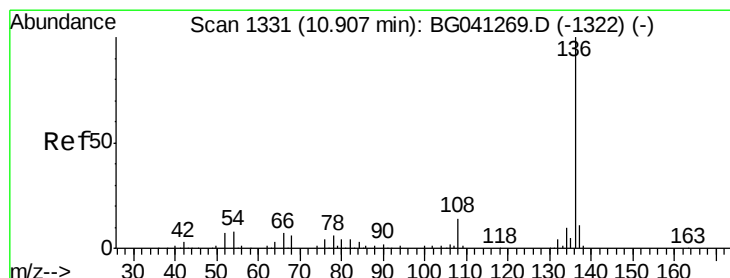
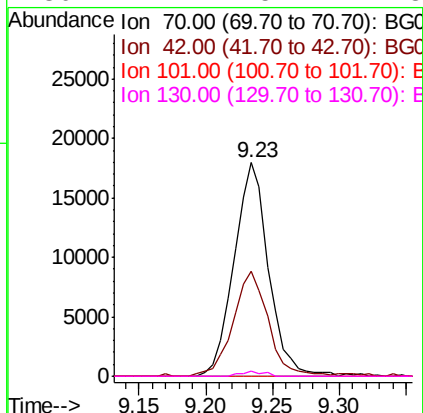
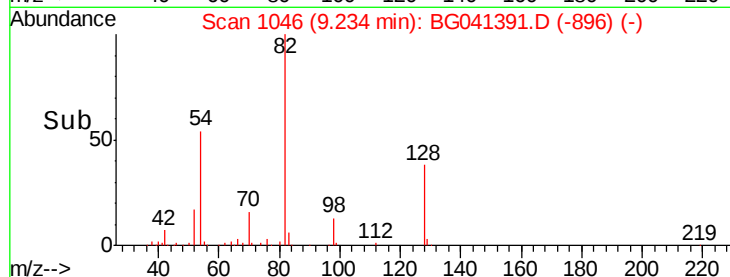
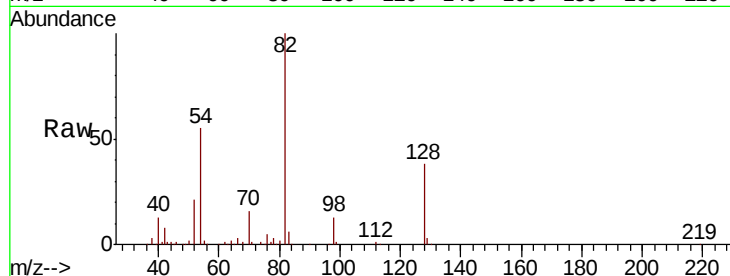




#19
n-Nitroso-di-n-propylamine
Concen: 17.817 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.35 min
Lab File: BG041391.D
Acq: 22 Jun 2019 2:06

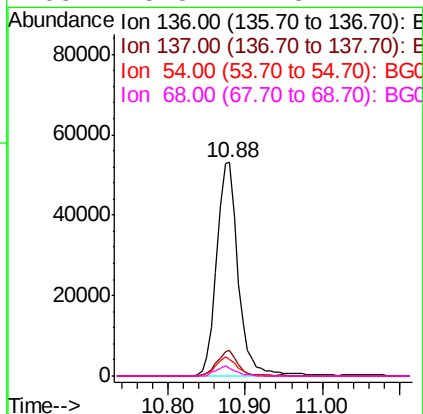
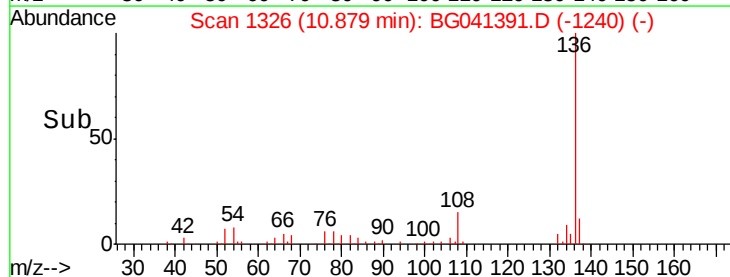
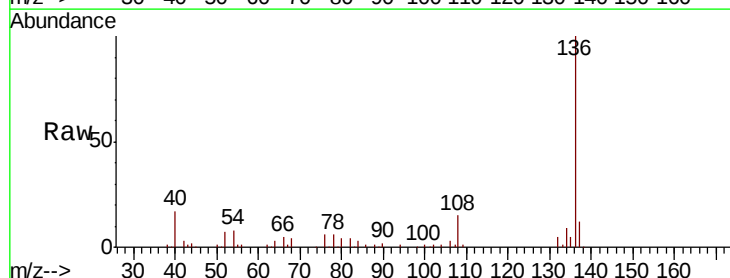
Instrument :
BNA_G
ClientSampleId :
DFTPP

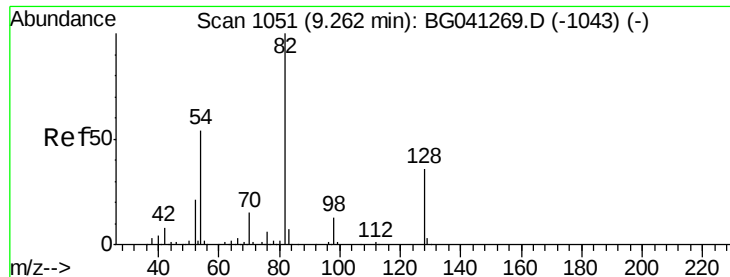
Tgt Ion: 70 Resp: 32115
Ion Ratio Lower Upper
70 100
42 49.3 51.4 77.2#
101 0.0 8.2 12.2#
130 2.4 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.03 min
Lab File: BG041391.D
Acq: 22 Jun 2019 2:06

Tgt Ion: 136 Resp: 103187
Ion Ratio Lower Upper
136 100
137 12.2 8.8 13.2
54 8.1 6.4 9.6
68 3.8 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 88.709 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

Instrument :

BNA_G

ClientSampleId :

DFTPP

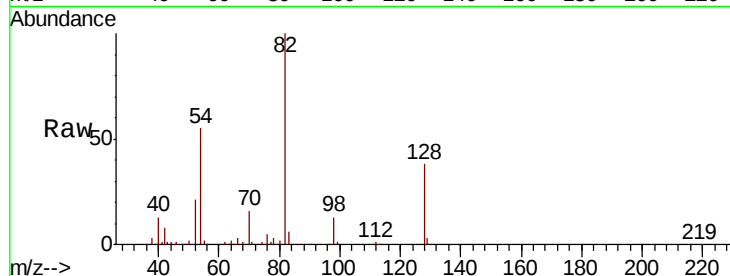
Tgt Ion: 82 Resp: 217653

Ion Ratio Lower Upper

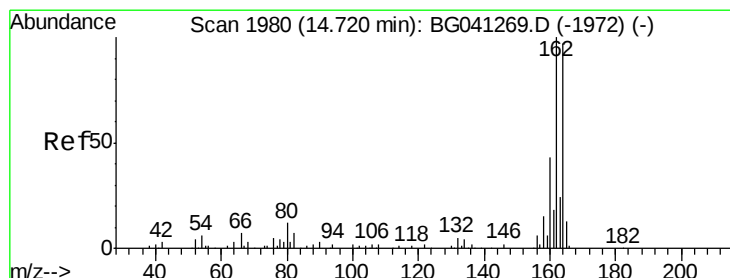
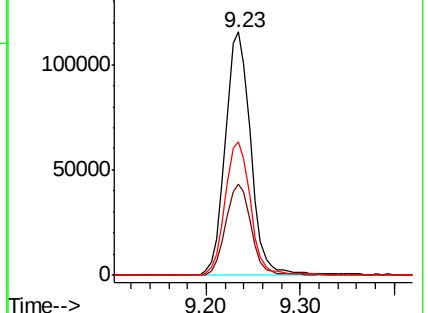
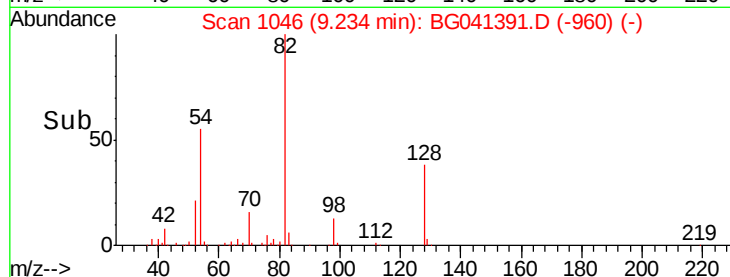
82 100

128 37.5 29.2 43.8

54 55.1 43.4 65.0



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: 14.69 min Scan# 1975

Delta R.T. -0.03 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

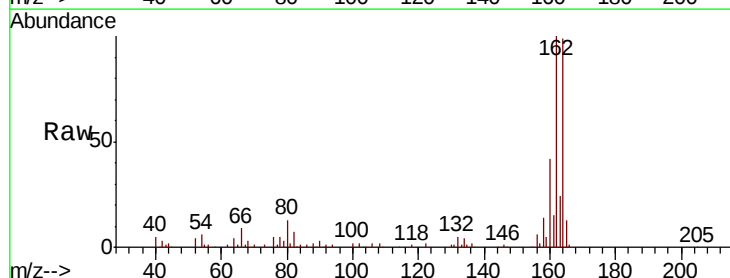
Tgt Ion: 164 Resp: 76714

Ion Ratio Lower Upper

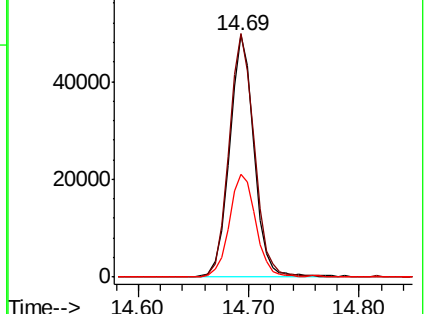
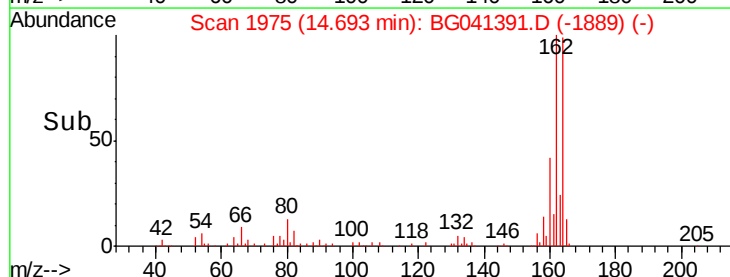
164 100

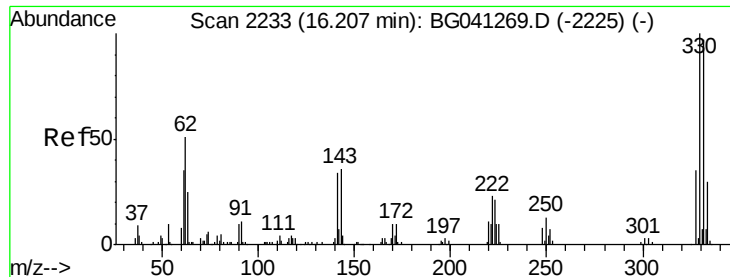
162 100.7 82.8 124.2

160 42.7 35.8 53.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

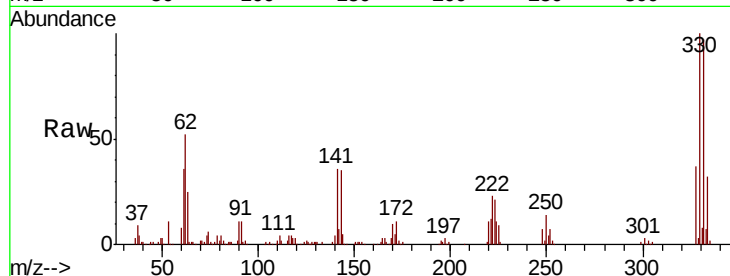




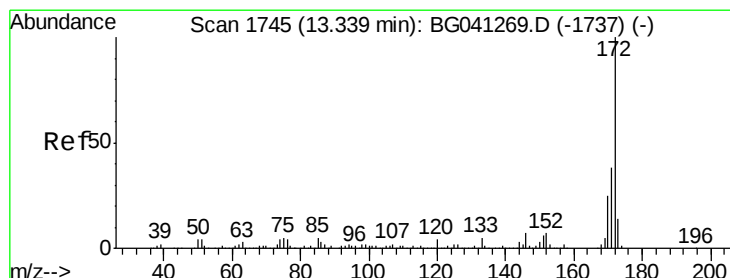
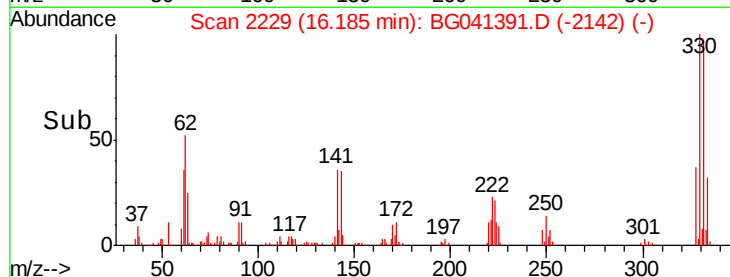
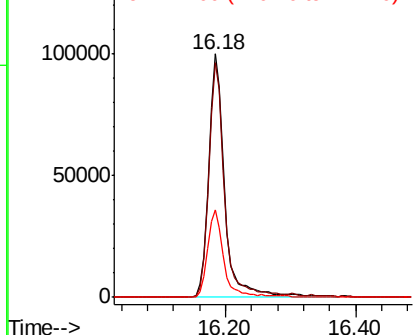
#42
 2,4,6-Tribromophenol
 Concen: 143.973 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BG041391.D
 Acq: 22 Jun 2019 2:06

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Tgt Ion:330 Resp: 169561
 Ion Ratio Lower Upper
 330 100
 332 94.5 75.5 113.3
 141 36.4 29.0 43.4

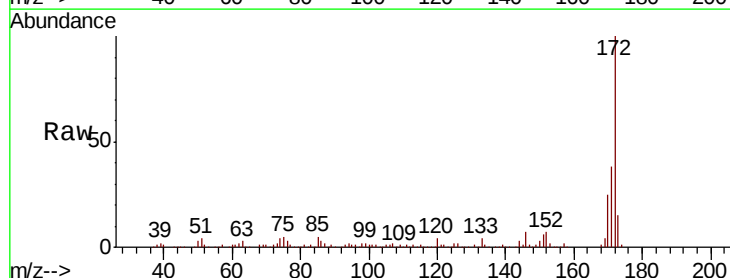


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

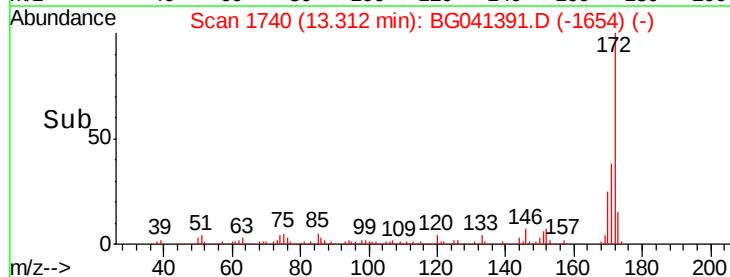
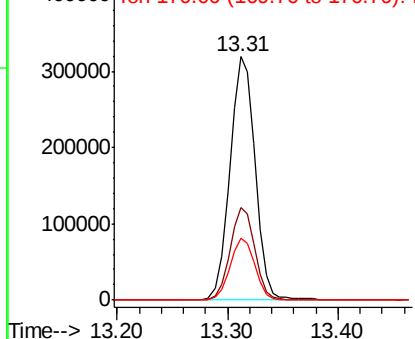


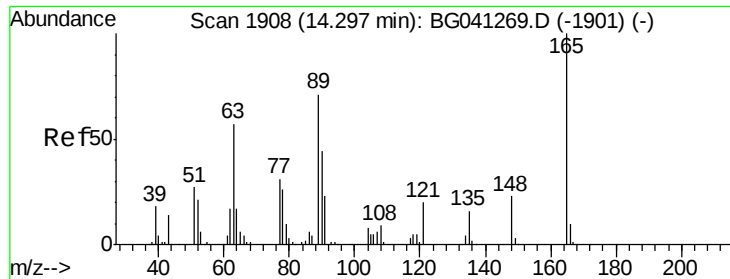
#45
 2-Fluorobiphenyl
 Concen: 90.499 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.03 min
 Lab File: BG041391.D
 Acq: 22 Jun 2019 2:06

Tgt Ion:172 Resp: 510798
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 25.4 19.8 29.6



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: 6.733 ng

RT: 14.69 min Scan# 1975

Delta R.T. 0.40 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

Instrument :

BNA_G

ClientSampleId :

DFTPP

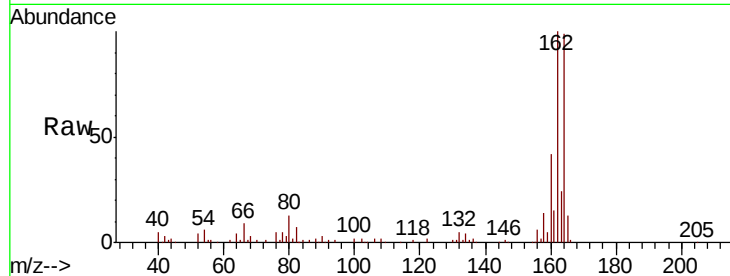
Tgt Ion:165 Resp: 9691

Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.0#

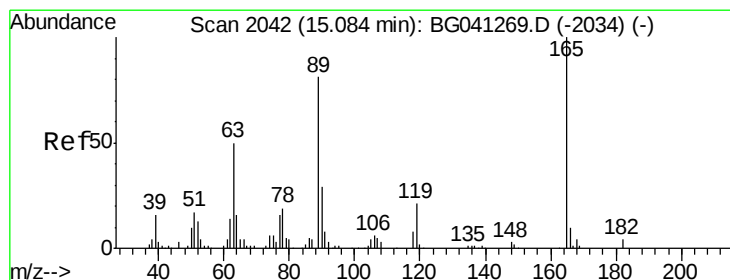
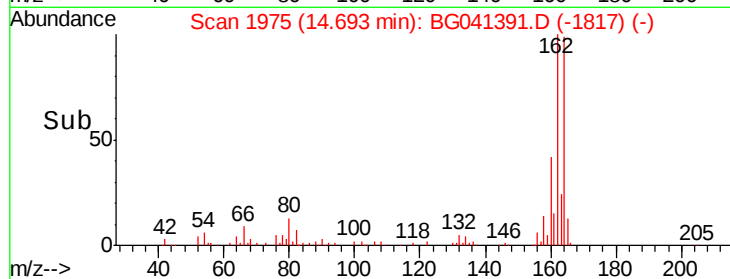
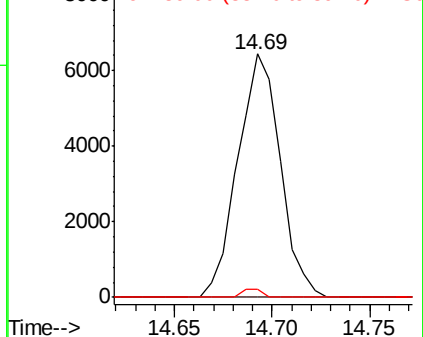
89 3.1 56.5 84.7#



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: 4.606 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.39 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

Tgt Ion:165 Resp: 9691

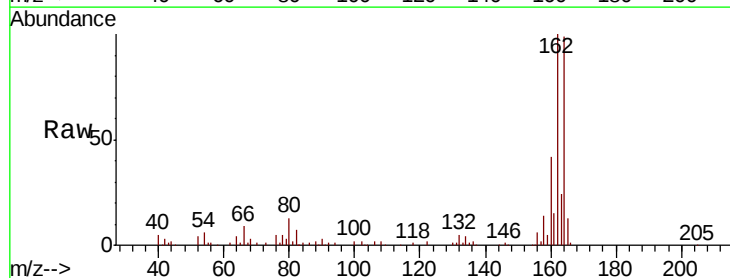
Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 3.1 64.6 96.8#

182 0.0 2.9 4.3#

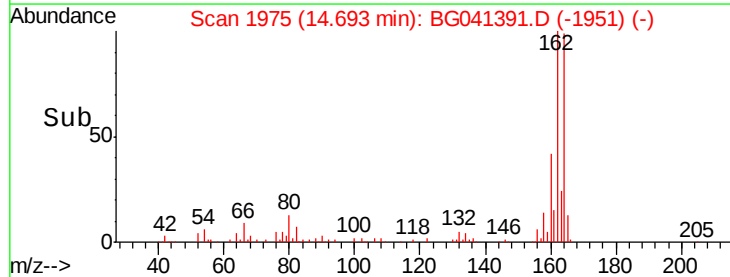
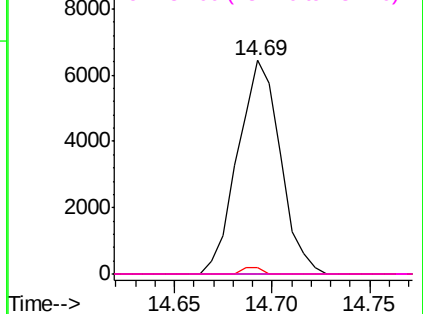


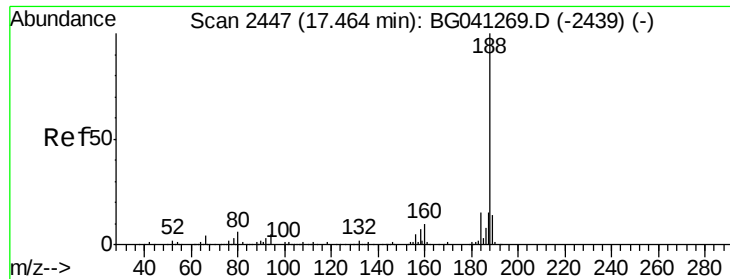
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.44 min Scan# 2443

Delta R.T. -0.02 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

Instrument :

BNA_G

ClientSampleId :

DFTPP

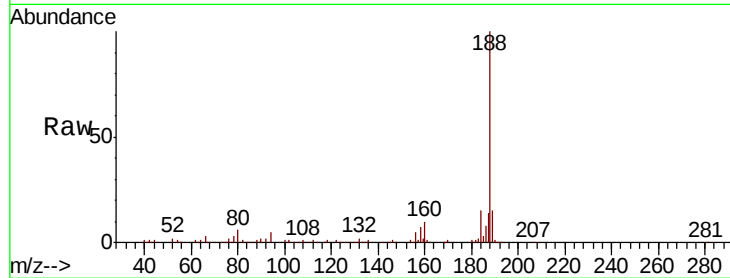
Tgt Ion:188 Resp: 213617

Ion Ratio Lower Upper

188 100

94 4.6 3.6 5.4

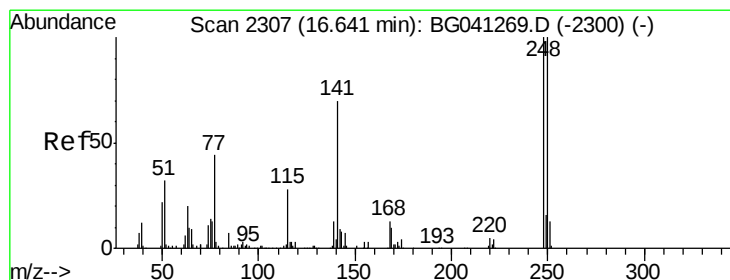
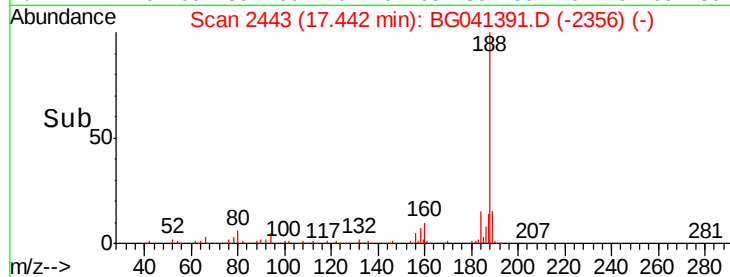
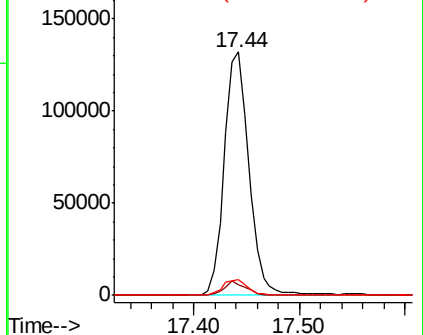
80 6.5 4.8 7.2



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



#67

4-Bromophenyl-phenylether

Concen: 4.434 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.46 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

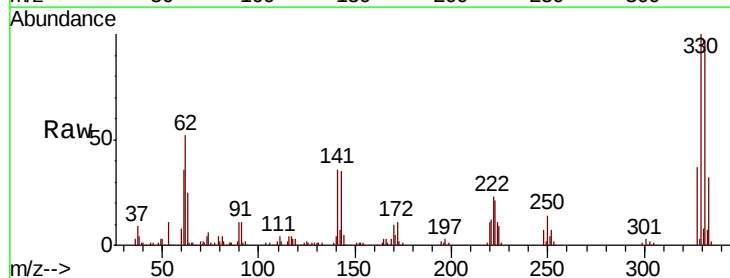
Tgt Ion:248 Resp: 12246

Ion Ratio Lower Upper

248 100

250 204.9 79.8 119.8#

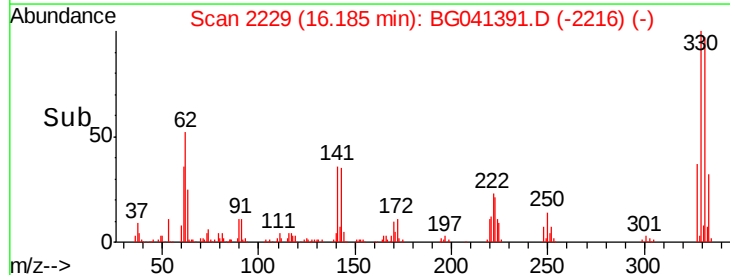
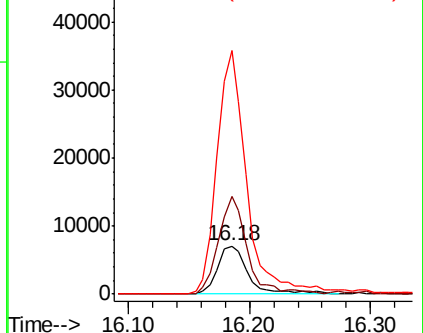
141 509.0 55.8 83.6#

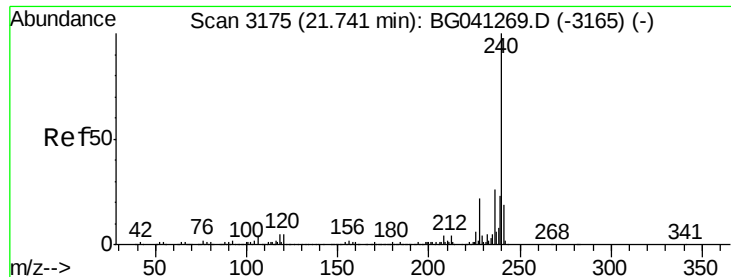


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

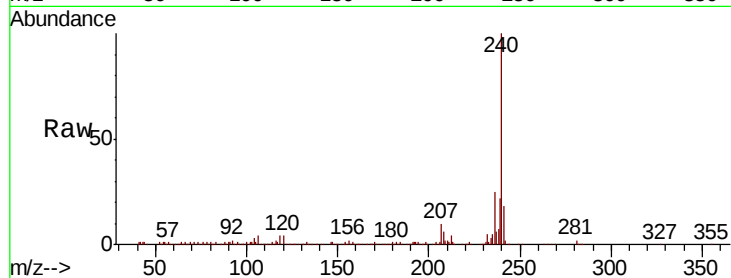




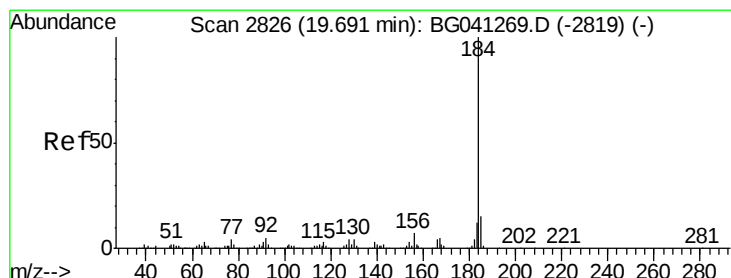
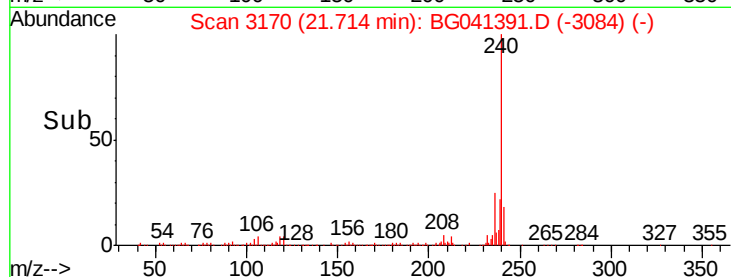
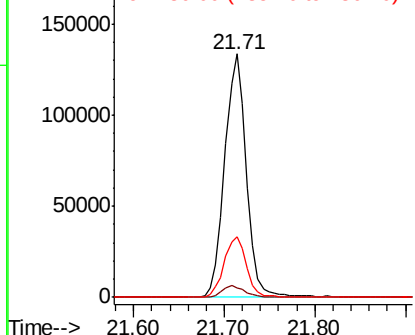
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3170
Delta R.T. -0.03 min
Lab File: BG041391.D
Acq: 22 Jun 2019 2:06

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion:240 Resp: 221482
Ion Ratio Lower Upper
240 100
120 4.1 3.7 5.5
236 24.9 21.1 31.7

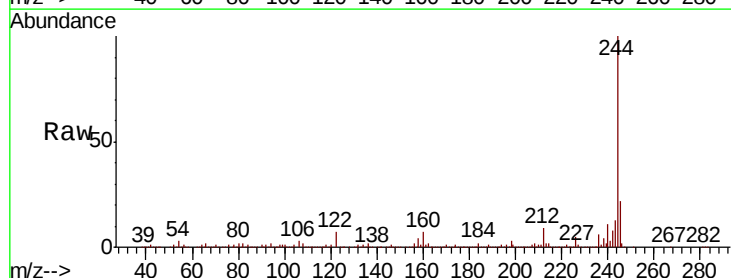


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

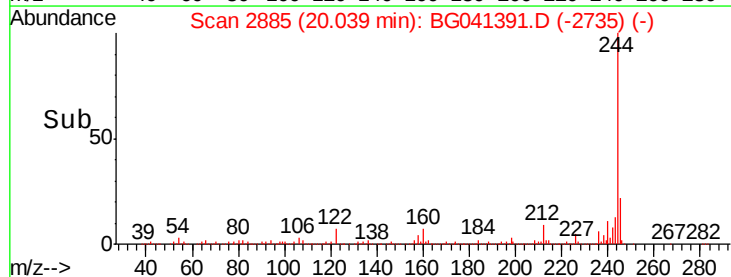
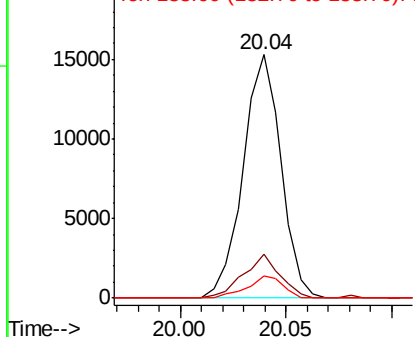


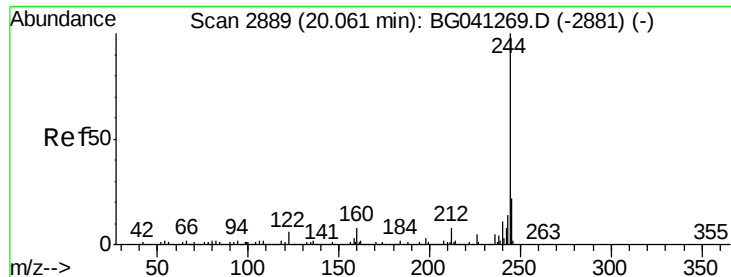
#77
Benzidine
Concen: 3.549 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.35 min
Lab File: BG041391.D
Acq: 22 Jun 2019 2:06

Tgt Ion:184 Resp: 19012
Ion Ratio Lower Upper
184 100
185 18.2 12.2 18.2
183 9.3 9.6 14.4#



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: 96.178 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.02 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

Instrument :

BNA_G

ClientSampleId :

DFTPP

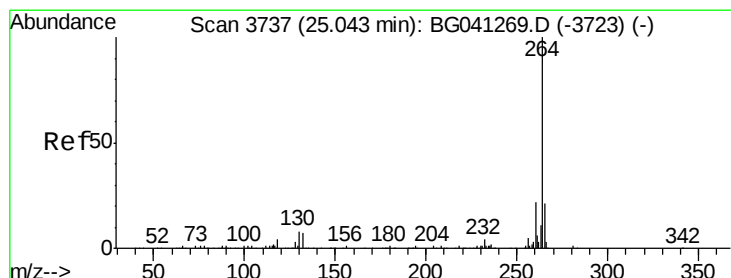
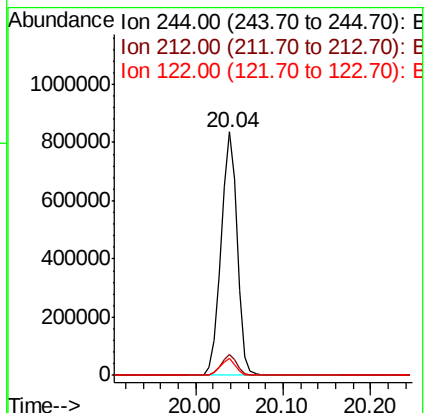
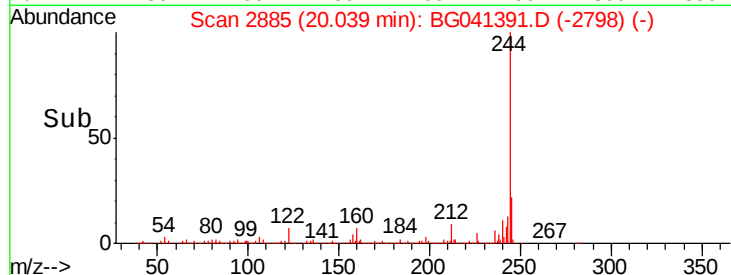
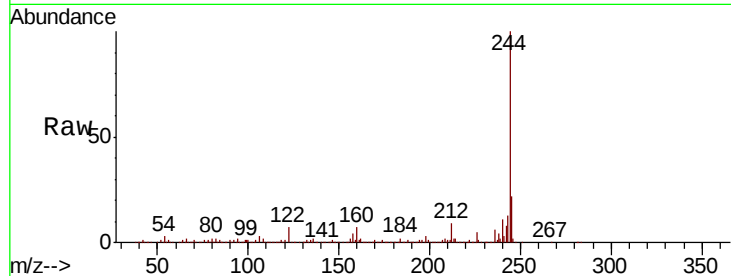
Tgt Ion:244 Resp: 1074870

Ion Ratio Lower Upper

244 100

212 8.7 6.6 10.0

122 6.8 5.0 7.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.00 min Scan# 3730

Delta R.T. -0.04 min

Lab File: BG041391.D

Acq: 22 Jun 2019 2:06

Tgt Ion:264 Resp: 234033

Ion Ratio Lower Upper

264 100

260 24.7 17.4 26.2

265 21.7 17.2 25.8

