

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080219\
 Data File : BG041883.D
 Acq On : 2 Aug 2019 11:27
 Operator : HP/JU
 Sample : PB121888TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 02 17:55:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

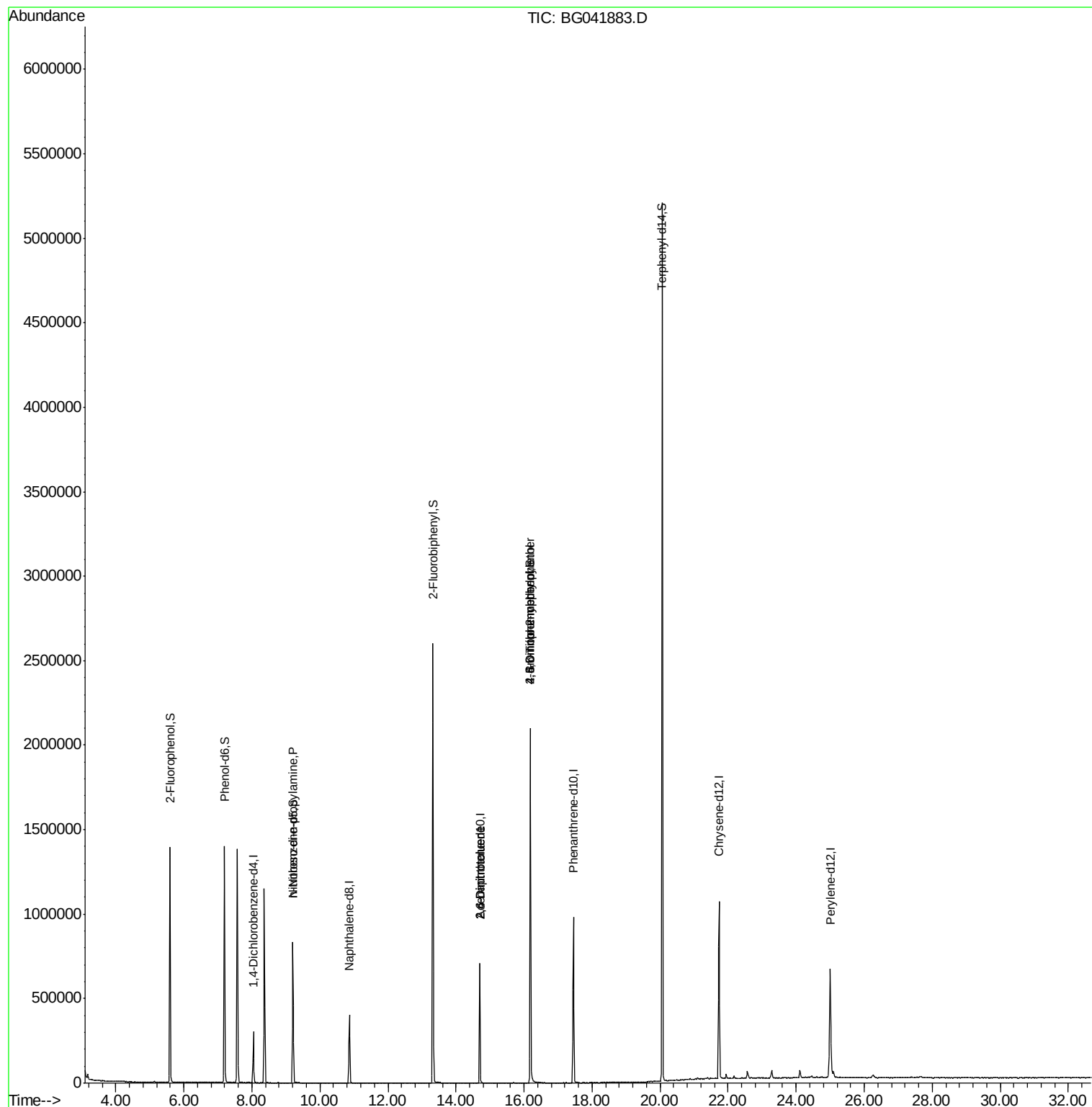
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	95737	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	377797	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	274440	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	642037	20.00	ng	0.00
76) Chrysene-d12	21.73	240	659313	20.00	ng	0.00
87) Perylene-d12	25.00	264	753658	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	621891	126.38	ng	0.00
7) Phenol-d6	7.19	99	847954	127.82	ng	0.00
23) Nitrobenzene-d5	9.21	82	507534	92.45	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	438085	140.54	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1426704	91.69	ng	0.00
79) Terphenyl-d14	20.06	244	2354944	81.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	67785	14.074	ng	# 68
51) 2,6-Dinitrotoluene	14.70	165	36353	9.276	ng	# 27
57) 2,4-Dinitrotoluene	14.70	165	36353	6.745	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.19	198	1151	7.166	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	33627	4.252	ng	# 1

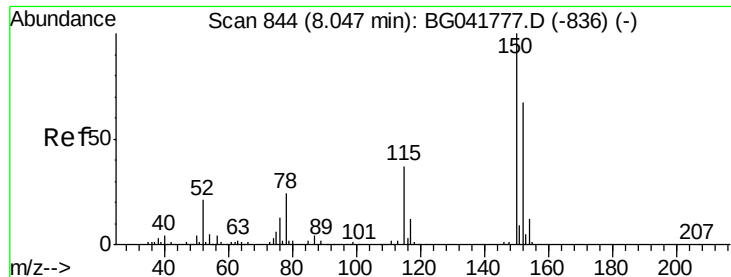
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration



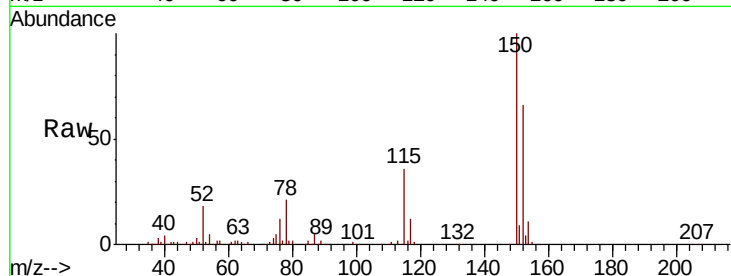


#1

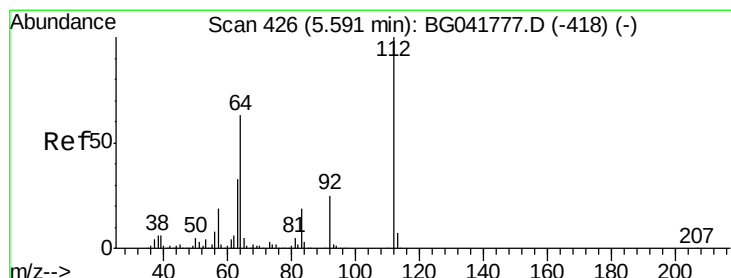
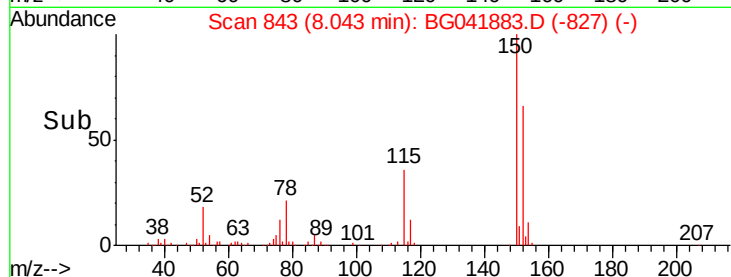
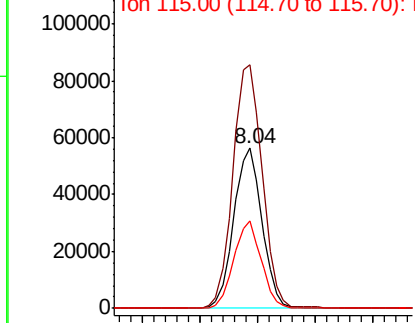
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG041883.D
Acq: 2 Aug 2019 11:27

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.9	190.3
115	54.6	45.0	67.6



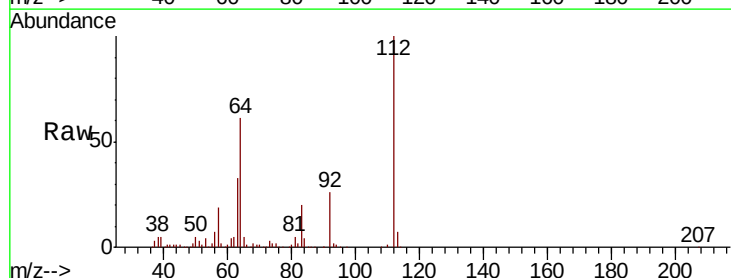
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



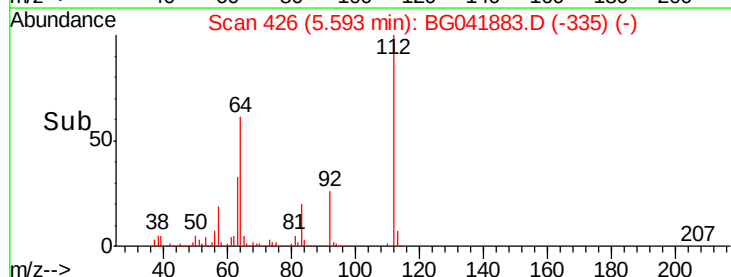
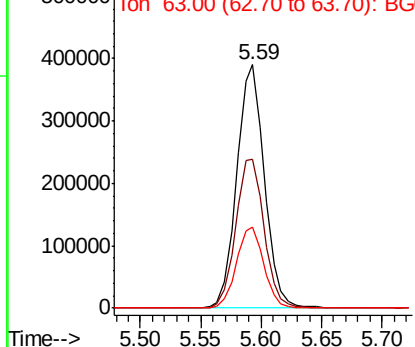
#5

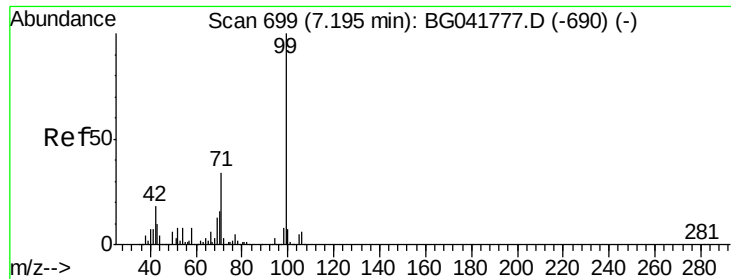
2-Fluorophenol
Concen: 126.384 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG041883.D
Acq: 2 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	55.4	83.2
63	33.4	29.1	43.7



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: 127.823 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG041883.D

Acq: 2 Aug 2019 11:27

Instrument :

BNA_G

ClientSampleId :

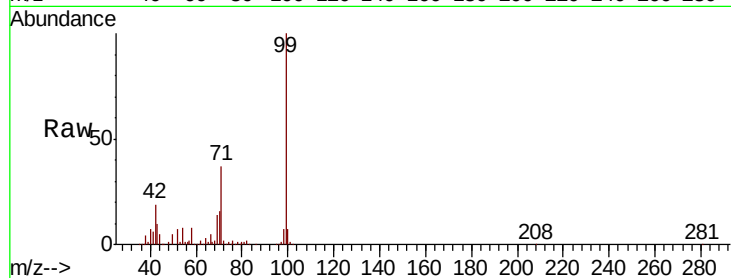
Tot Ion: 99 Resp: 847954

Ion Ratio Lower Upper

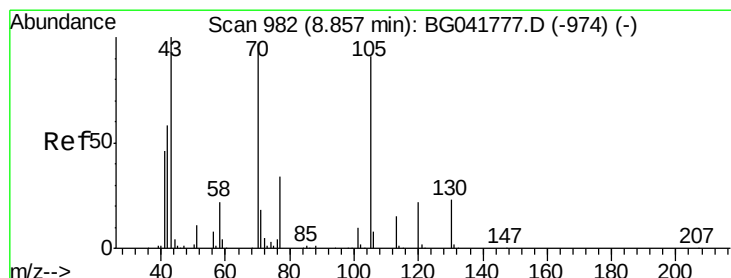
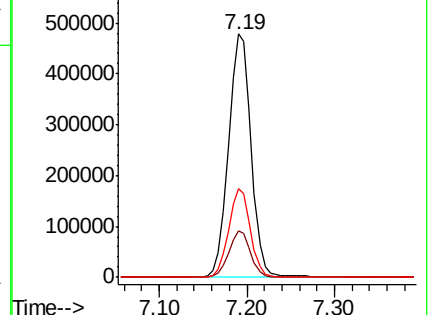
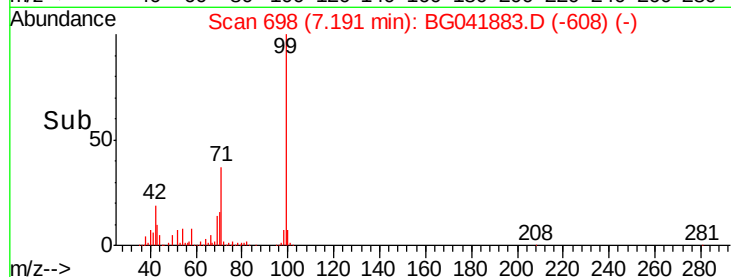
99 100

42 18.9 17.6 26.4

71 36.7 27.8 41.6



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: 14.074 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041883.D

Acq: 2 Aug 2019 11:27

Tgt Ion: 70 Resp: 67785

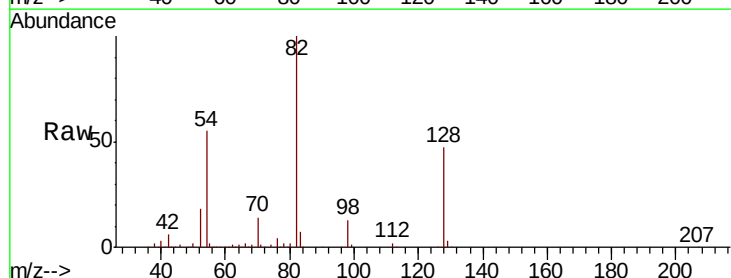
Ion Ratio Lower Upper

70 100

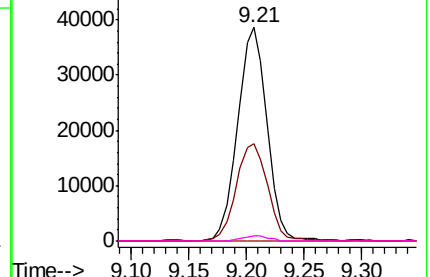
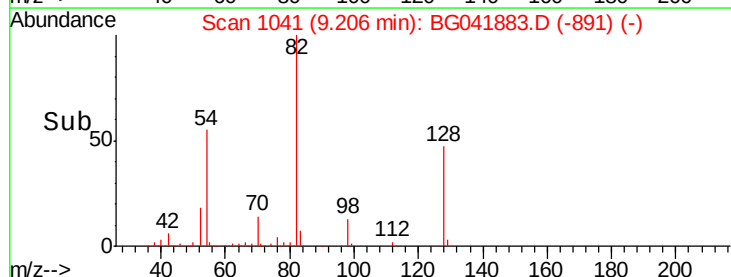
42 45.6 55.8 83.6#

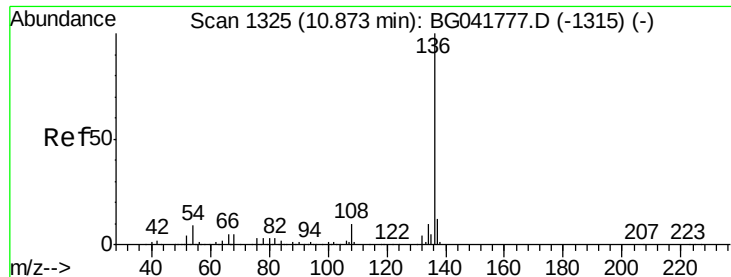
101 0.0 8.1 12.1#

130 2.5 17.3 25.9#



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

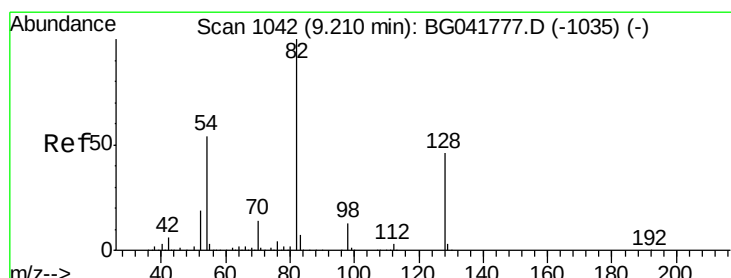
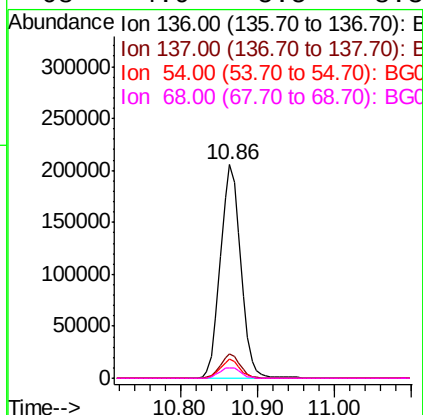
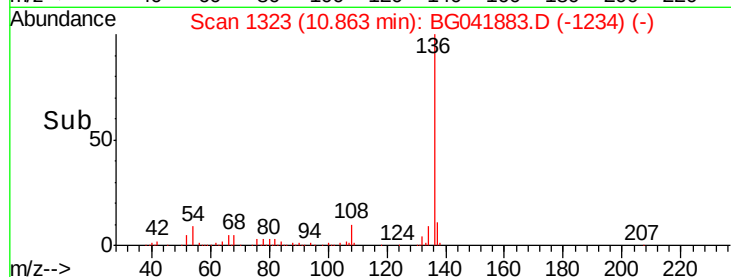
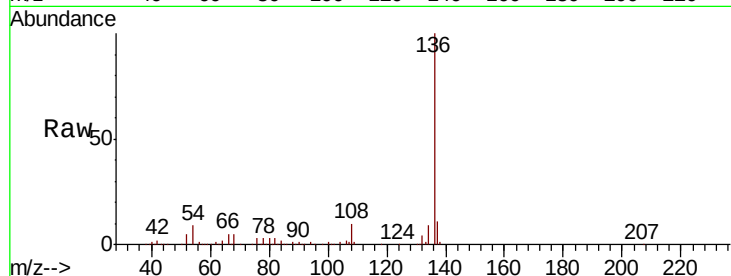




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG041883.D
Acq: 2 Aug 2019 11:27

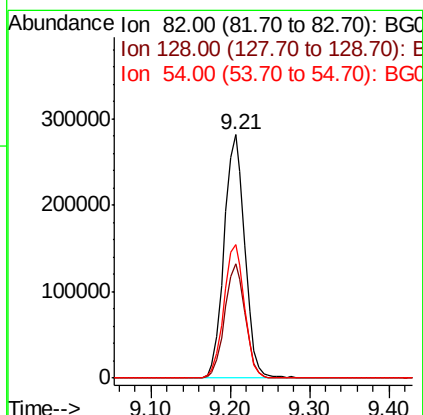
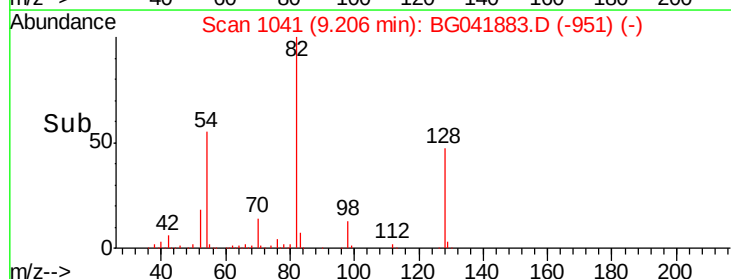
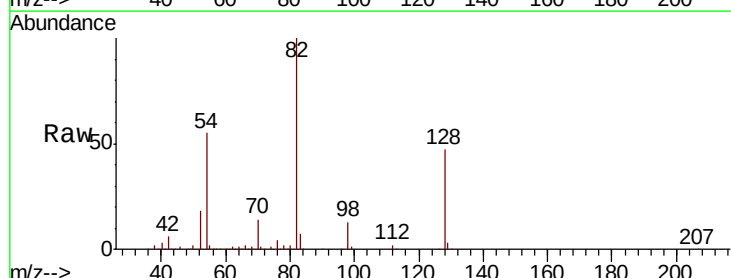
Instrument :
BNA_G
ClientSampleId :

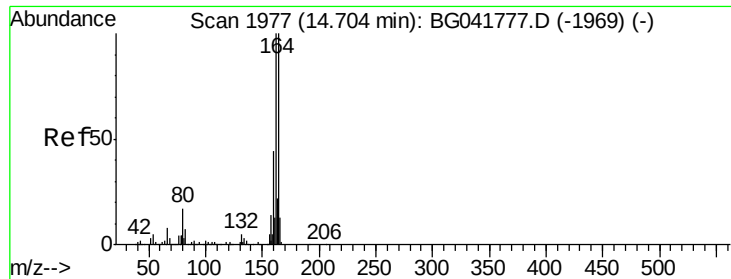
Tot Ion:136	Resp:	377797
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.2 13.8
54	9.2	8.7 13.1
68	4.9	5.5 8.3#



#23
Nitrobenzene-d5
Concen: 92.448 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG041883.D
Acq: 2 Aug 2019 11:27

Tgt Ion: 82	Resp:	507534
Ion	Ratio	Lower Upper
82	100	
128	46.8	35.1 52.7
54	54.7	48.7 73.1

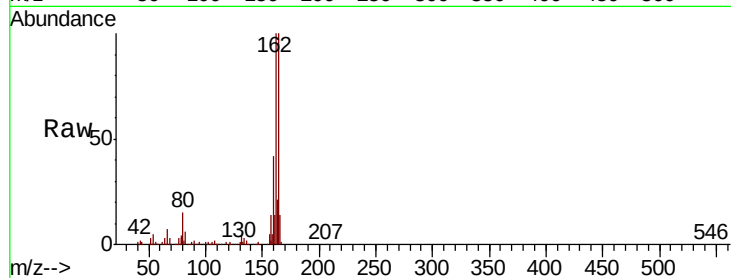




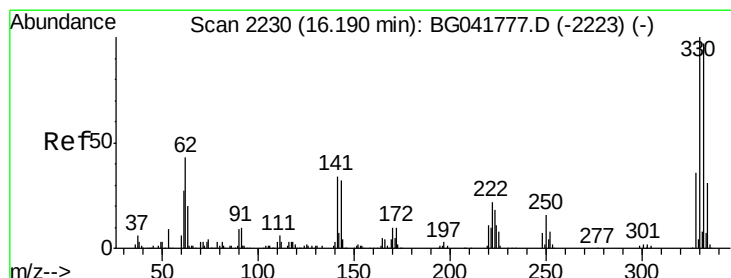
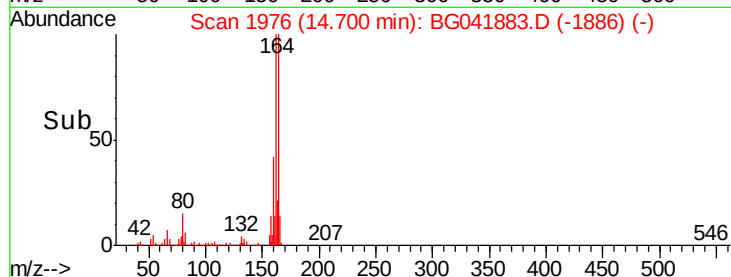
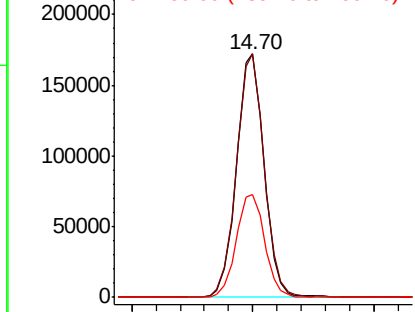
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG041883.D
Acq: 2 Aug 2019 11:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 274440
Ion Ratio Lower Upper
164 100
162 99.9 79.6 119.4
160 42.5 35.4 53.0

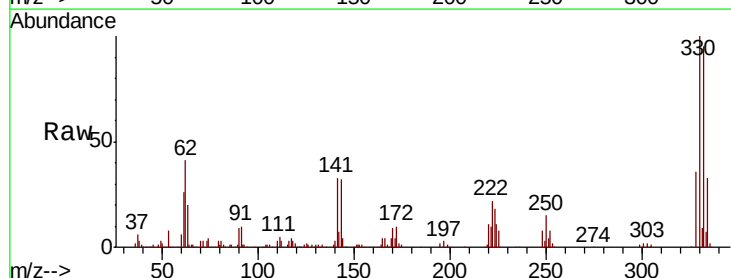


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

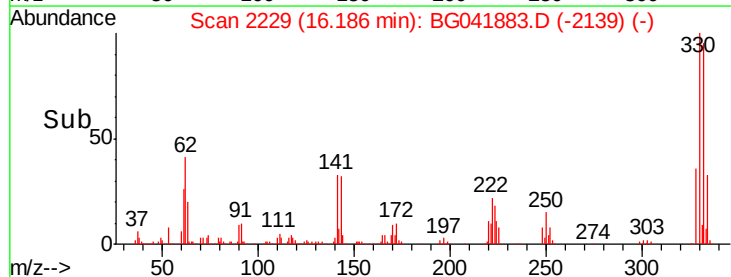
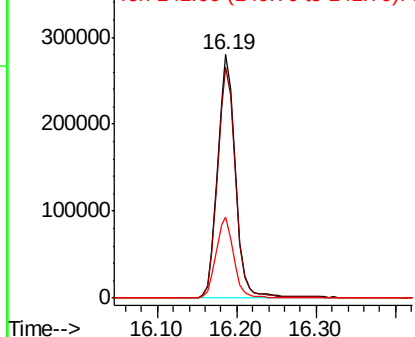


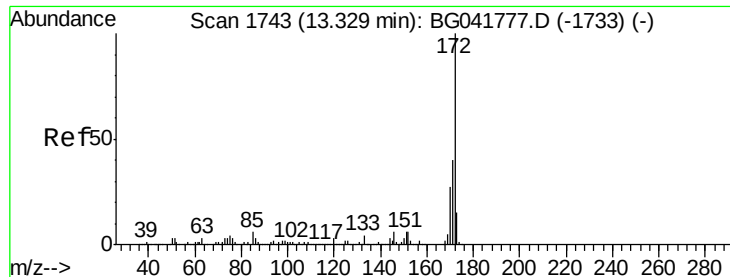
#42
2,4,6-Tribromophenol
Concen: 140.535 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.00 min
Lab File: BG041883.D
Acq: 2 Aug 2019 11:27

Tgt Ion:330 Resp: 438085
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 32.8 31.9 47.9



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

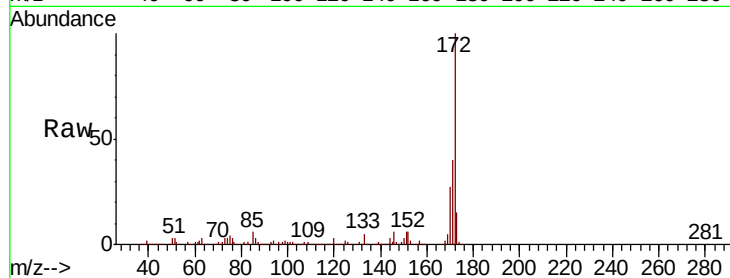




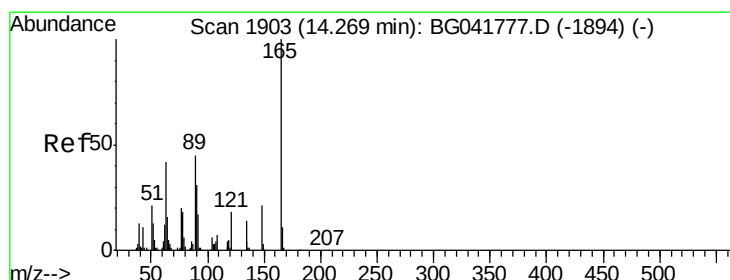
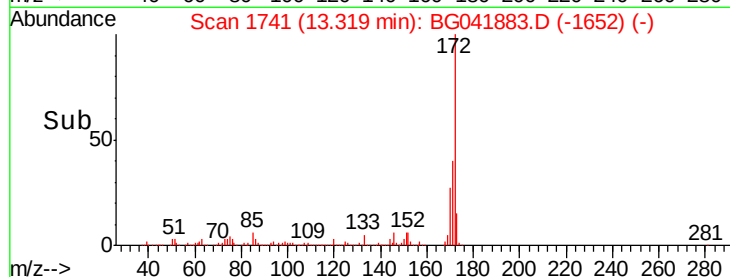
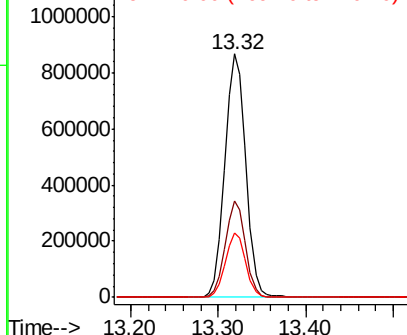
#45
2-Fluorobiphenyl
Concen: 91.689 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.01 min
Lab File: BG041883.D
Acq: 2 Aug 2019 11:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1426704
Ion Ratio Lower Upper
172 100
171 39.7 35.0 52.4
170 26.5 23.5 35.3

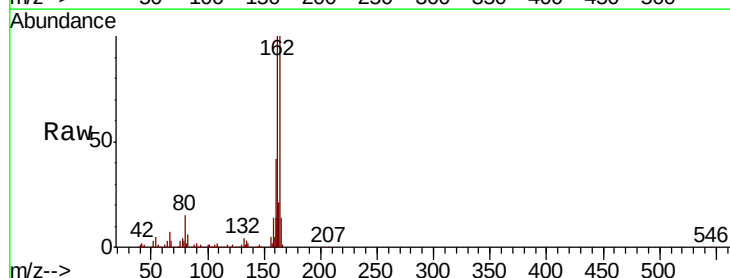


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

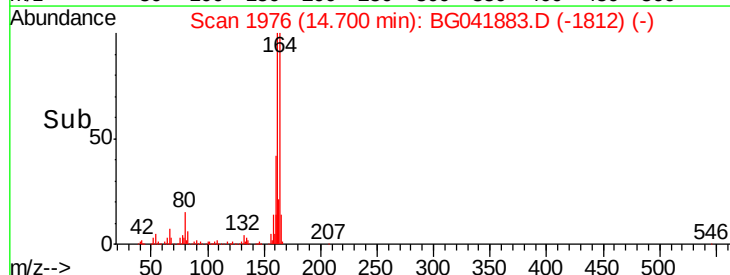
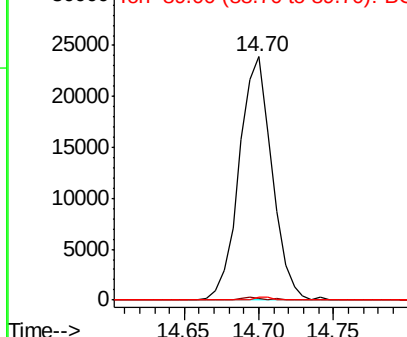


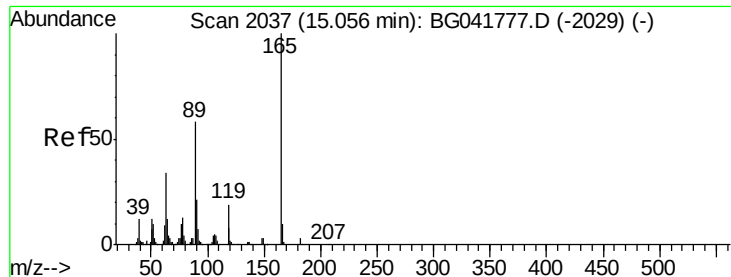
#51
2,6-Dinitrotoluene
Concen: 9.276 ng
RT: 14.70 min Scan# 1976
Delta R.T. 0.43 min
Lab File: BG041883.D
Acq: 2 Aug 2019 11:27

Tgt Ion:165 Resp: 36353
Ion Ratio Lower Upper
165 100
63 0.9 42.4 63.6#
89 1.1 42.1 63.1#



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: 6.745 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.36 min

Lab File: BG041883.D

Acq: 2 Aug 2019 11:27

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 36353

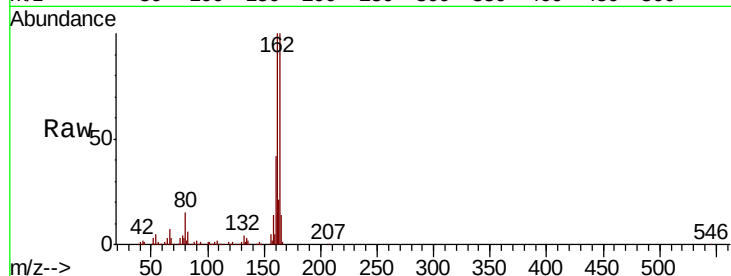
Ion Ratio Lower Upper

165 100

63 0.9 31.7 47.5#

89 1.1 50.2 75.4#

182 0.0 2.6 4.0#

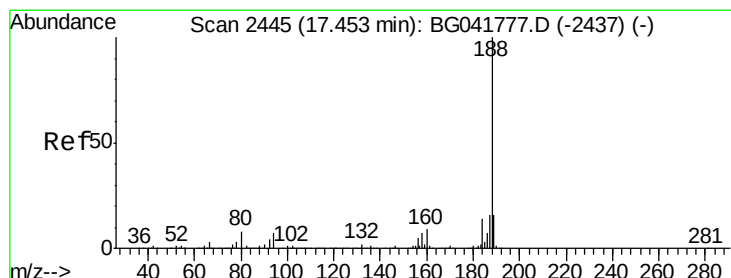
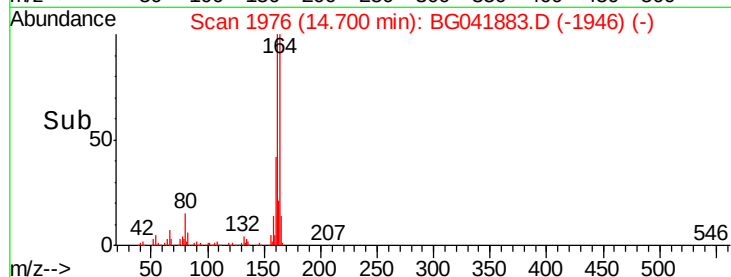
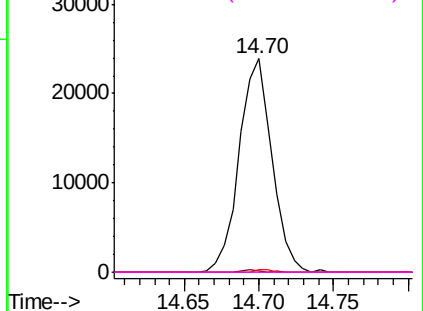


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.45 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG041883.D

Acq: 2 Aug 2019 11:27

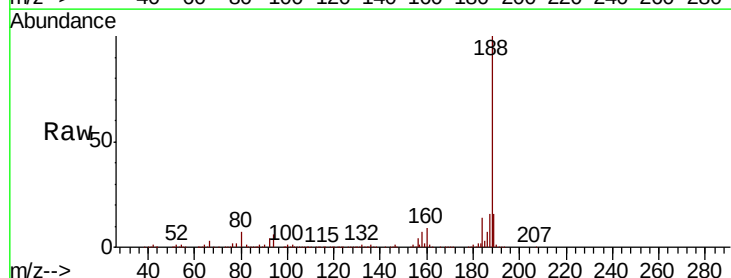
Tgt Ion:188 Resp: 642037

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

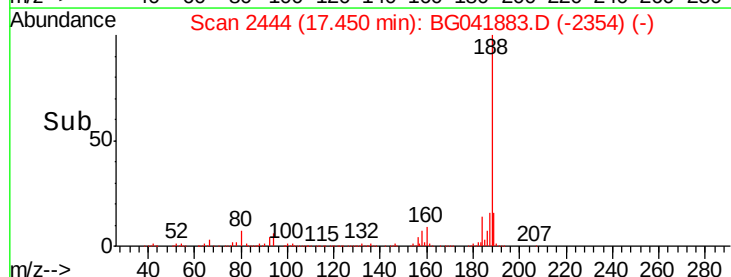
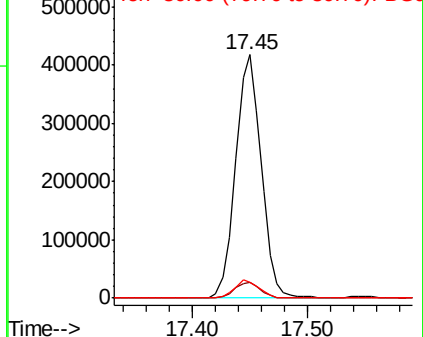
80 6.6 8.0 12.0#

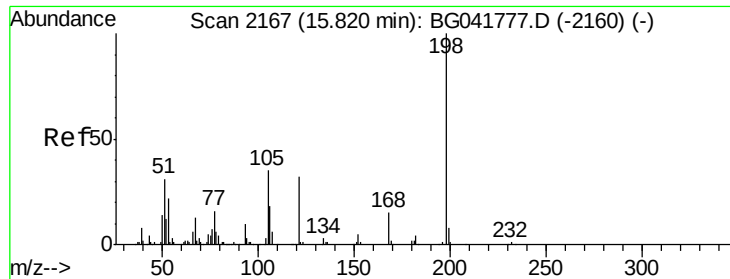


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

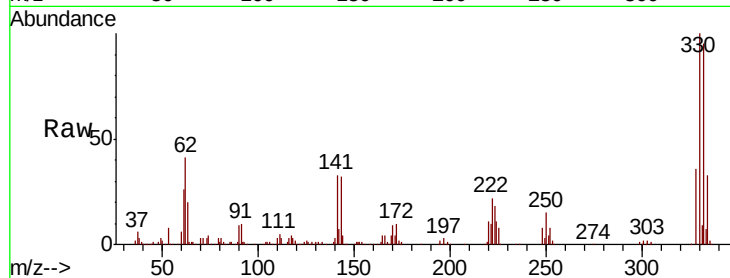




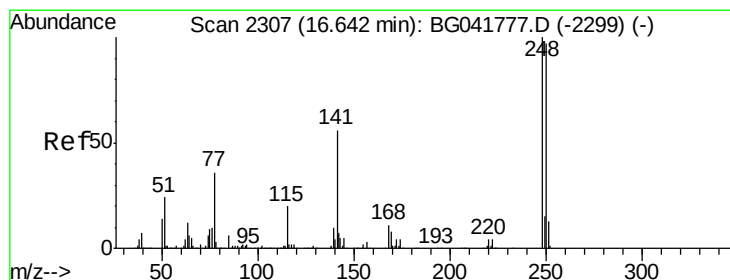
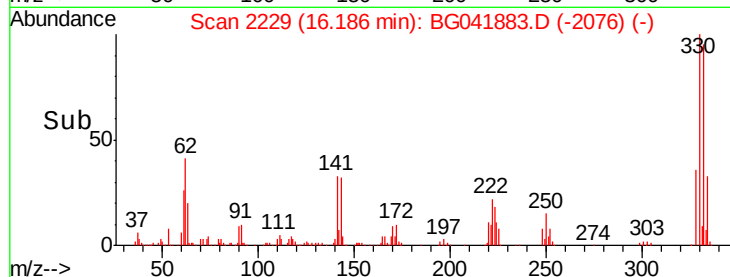
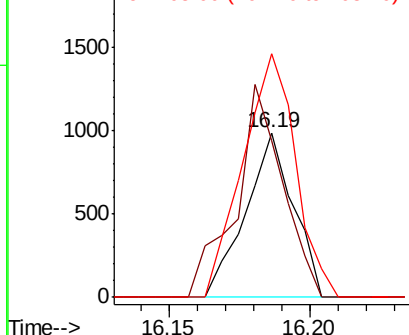
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.166 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. 0.37 min
 Lab File: BG041883.D
 Acq: 2 Aug 2019 11:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	95.2	22.3	62.3#
105	147.7	18.0	58.0#

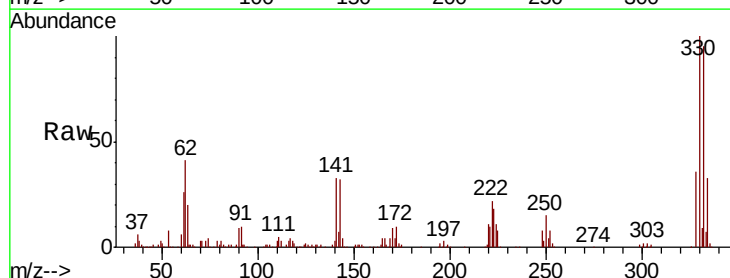


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

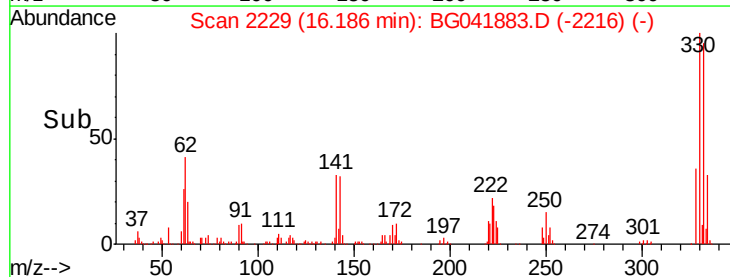
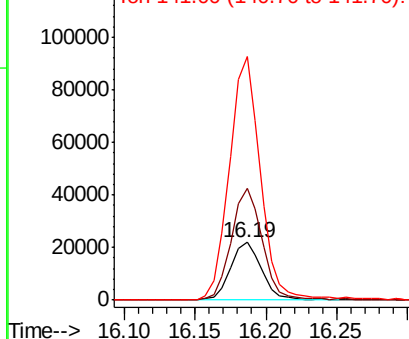


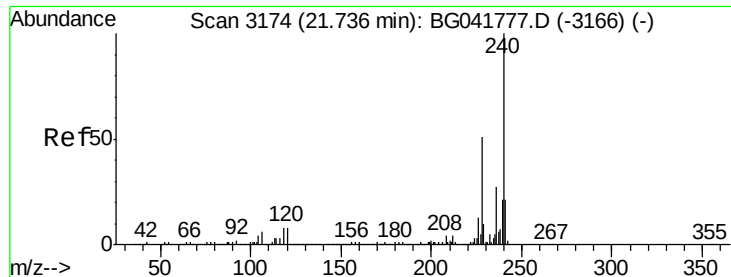
#67
 4-Bromophenyl-phenylether
 Concen: 4.252 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.46 min
 Lab File: BG041883.D
 Acq: 2 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
248	100		
250	193.8	78.1	117.1#
141	421.6	49.6	74.4#



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: 21.73 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BG041883.D

Acq: 2 Aug 2019 11:27

Instrument :

BNA_G

ClientSampled :

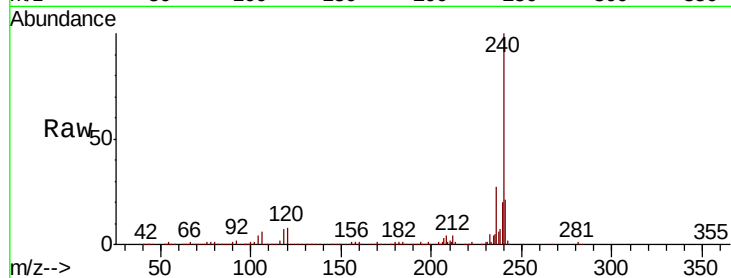
Tot Ion:240 Resp: 659313

Ion Ratio Lower Upper

240 100

120 7.9 8.0 12.0#

236 26.6 22.6 33.8

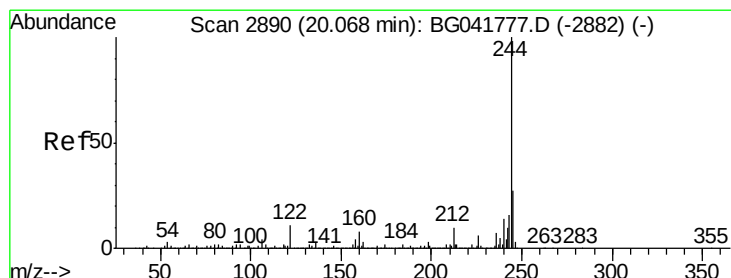
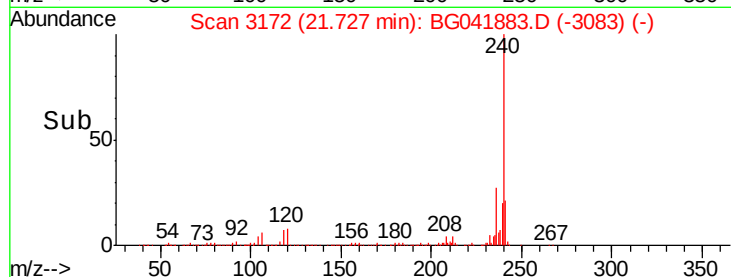
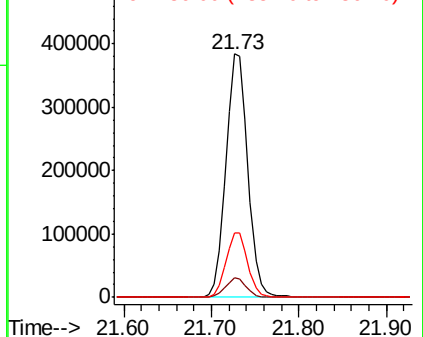


Abundance

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: 81.732 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041883.D

Acq: 2 Aug 2019 11:27

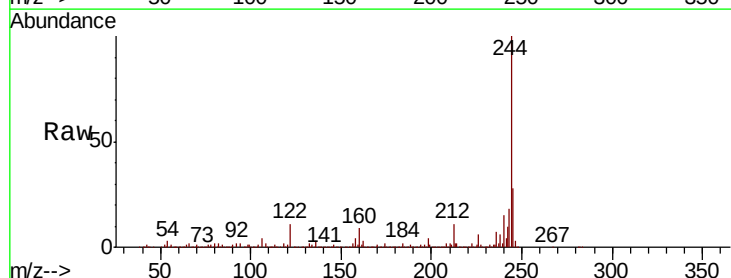
Tgt Ion:244 Resp: 2354944

Ion Ratio Lower Upper

244 100

212 10.6 9.7 14.5

122 10.8 12.5 18.7#

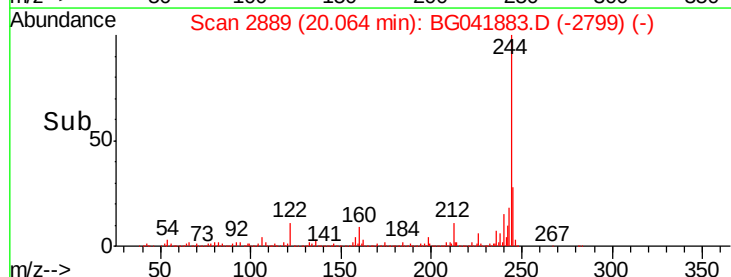
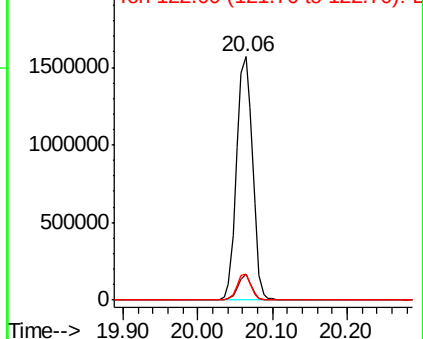


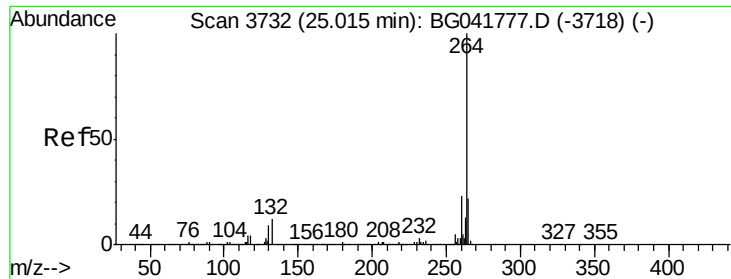
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 25.00 min Scan# 3729
Delta R.T. -0.02 min
Lab File: BG041883.D
Acq: 2 Aug 2019 11:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.9	18.0	27.0

