

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073019\
 Data File : BG041828.D
 Acq On : 31 Jul 2019 10:15
 Operator : HP/JU
 Sample : PB121772BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 31 12:30:22 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

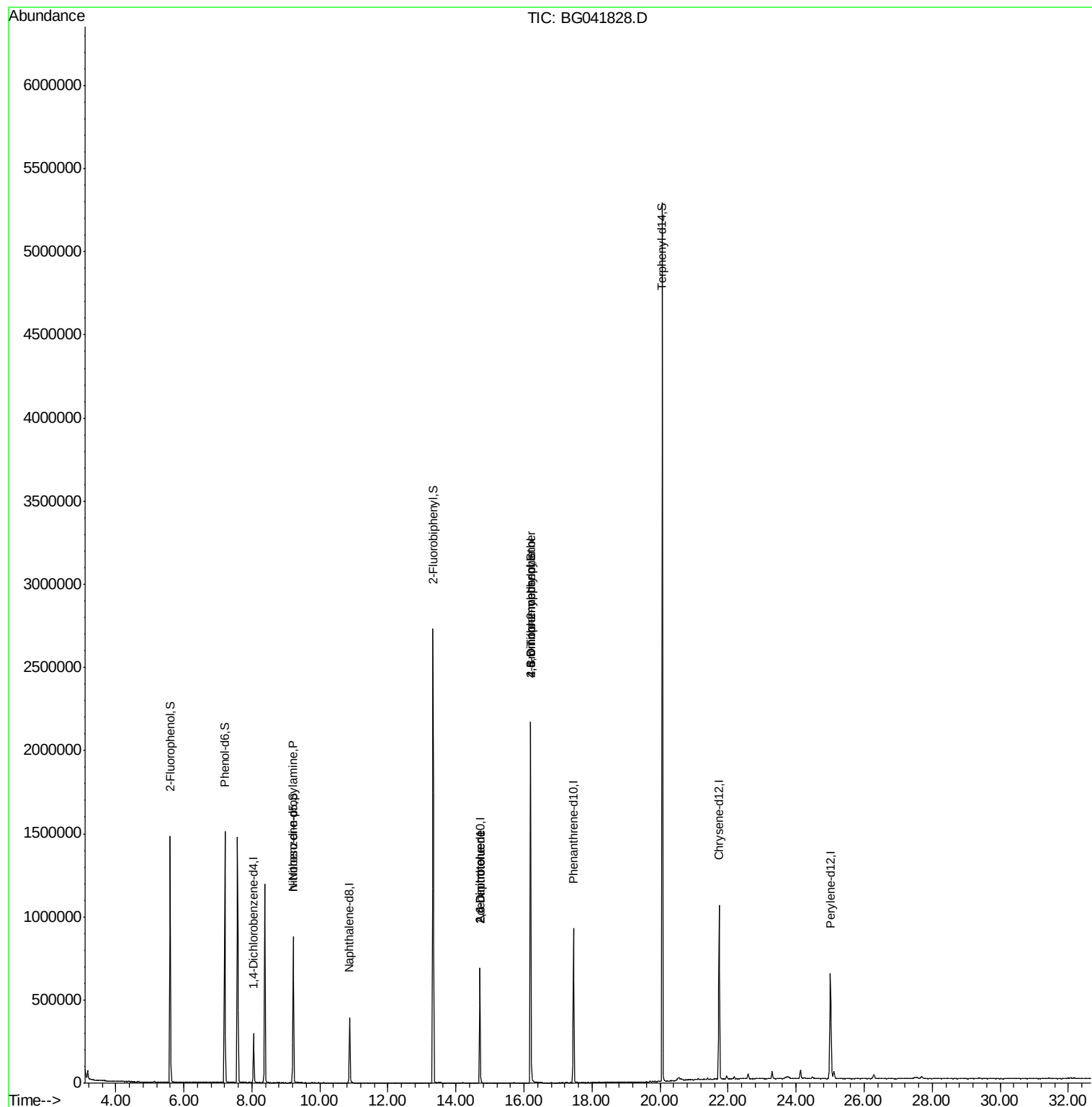
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	92303	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	371371	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	262451	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	611118	20.00	ng	0.00
76) Chrysene-d12	21.73	240	642861	20.00	ng	0.00
87) Perylene-d12	25.01	264	720851	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	663929	139.95	ng	0.00
7) Phenol-d6	7.20	99	900521	140.80	ng	0.00
23) Nitrobenzene-d5	9.21	82	538430	99.77	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	447000	149.95	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	1465125	98.46	ng	0.00
79) Terphenyl-d14	20.06	244	2393590	85.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	71647	15.430	ng	# 68
51) 2,6-Dinitrotoluene	14.71	165	34650	9.245	ng	# 26
57) 2,4-Dinitrotoluene	14.71	165	34650	6.723	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.19	198	1222	7.203	ng	# 4
67) 4-Bromophenyl-phenylether	16.19	248	33025	4.387	ng	# 1

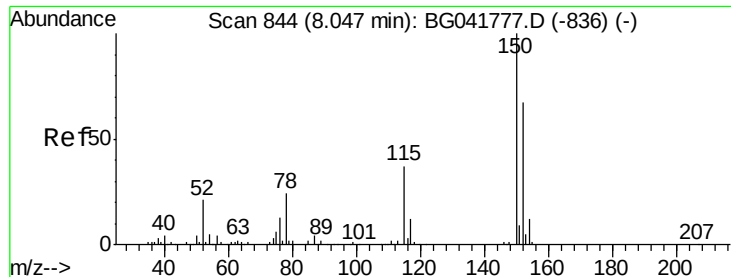
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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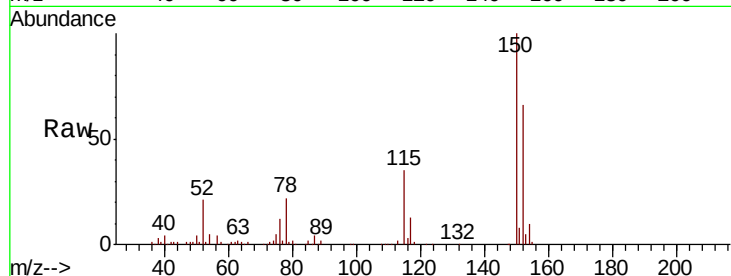


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. 0.00 min
Lab File: BG041828.D
Acq: 31 Jul 2019 10:15

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	126.9	190.3
115	53.0	45.0	67.6

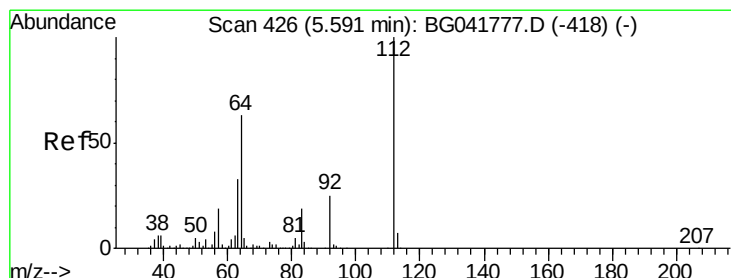
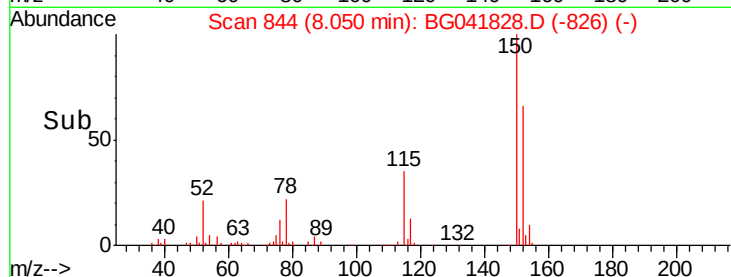
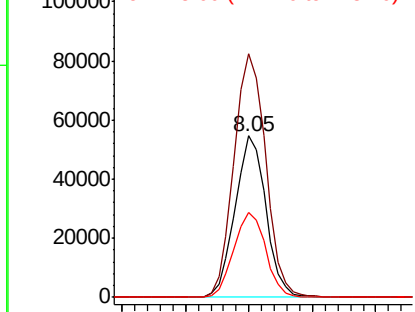


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

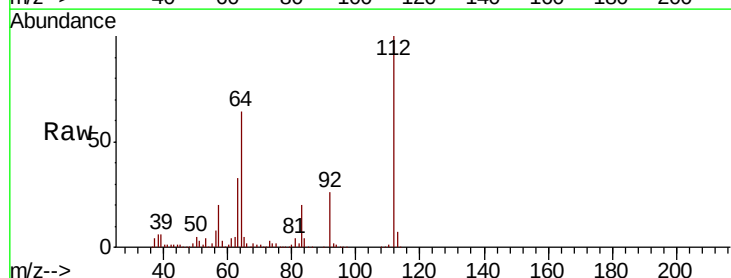
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 139.947 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG041828.D
Acq: 31 Jul 2019 10:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	55.4	83.2
63	33.4	29.1	43.7

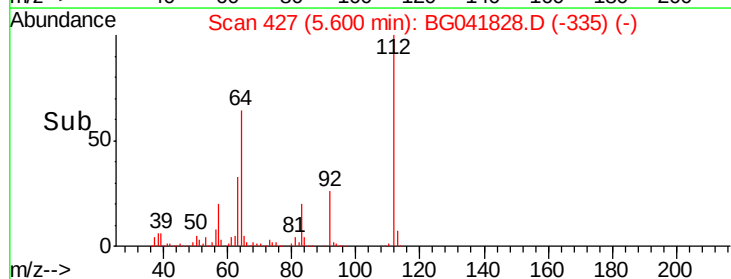
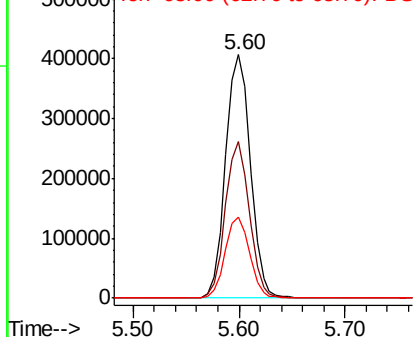


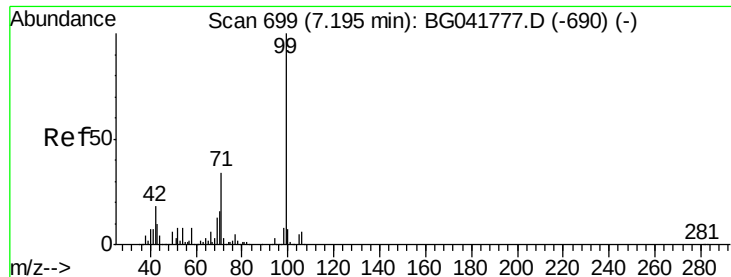
Abundance

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: 140.797 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG041828.D

Acq: 31 Jul 2019 10:15

Instrument :

BNA_G

ClientSampleId :

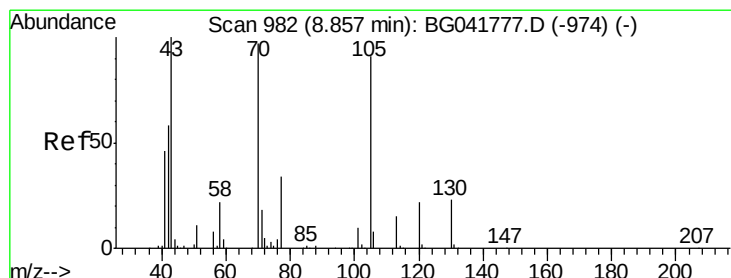
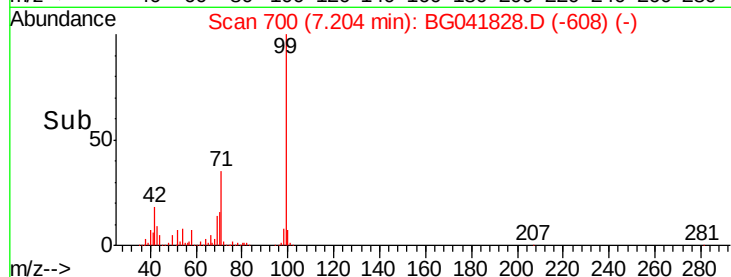
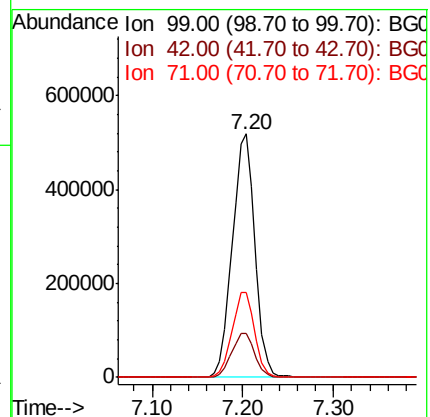
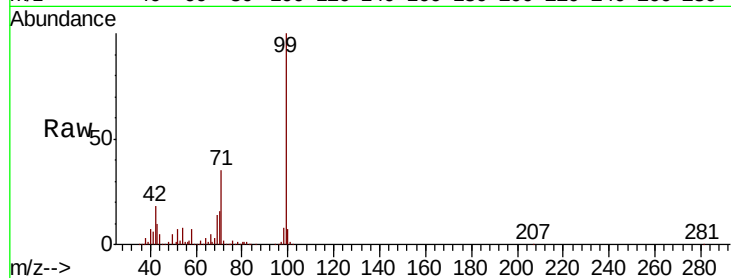
Tot Ion: 99 Resp: 900521

Ion Ratio Lower Upper

99 100

42 18.2 17.6 26.4

71 34.8 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.430 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.36 min

Lab File: BG041828.D

Acq: 31 Jul 2019 10:15

Tgt Ion: 70 Resp: 71647

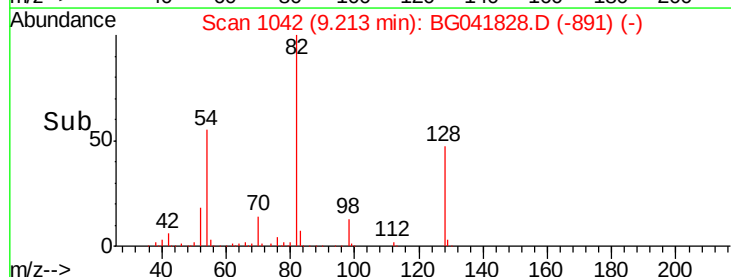
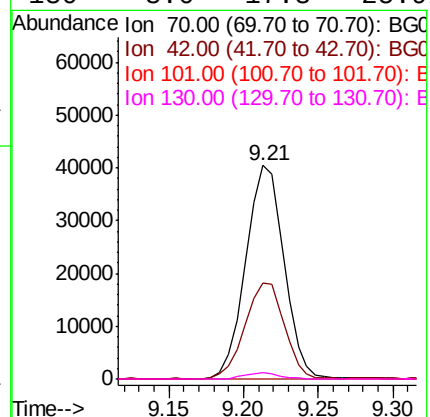
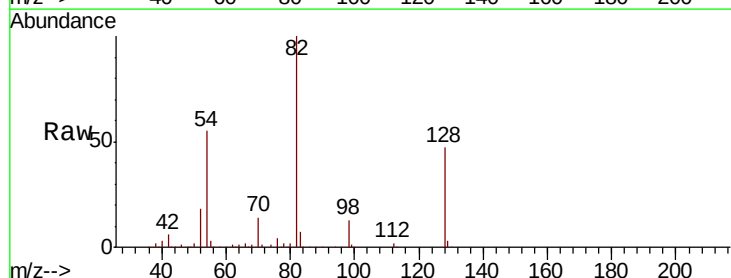
Ion Ratio Lower Upper

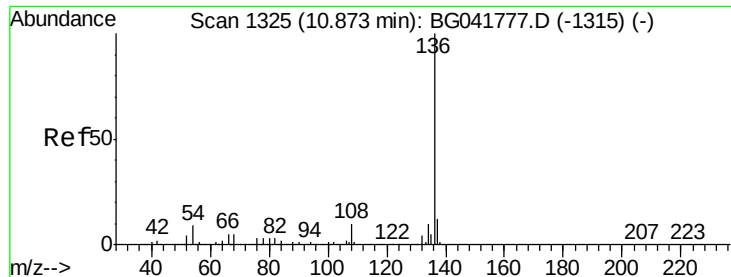
70 100

42 45.1 55.8 83.6#

101 0.0 8.1 12.1#

130 3.0 17.3 25.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BG041828.D

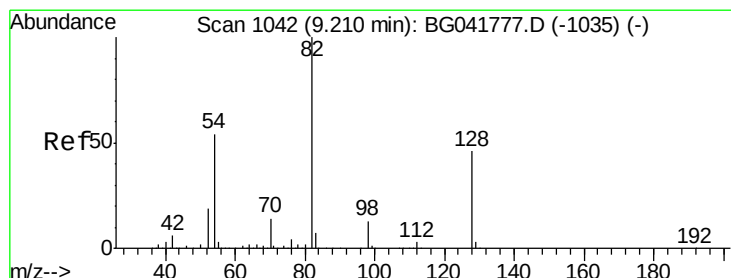
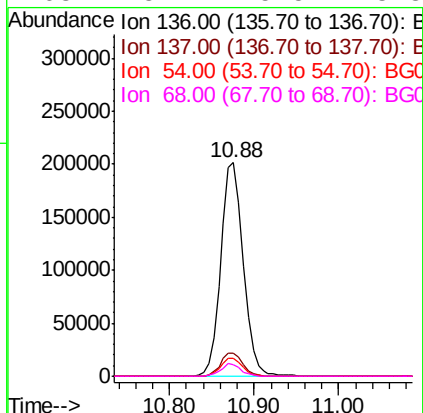
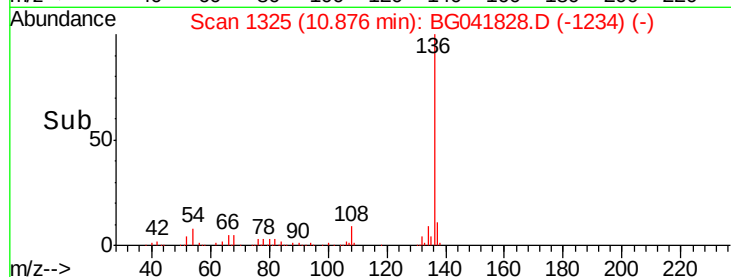
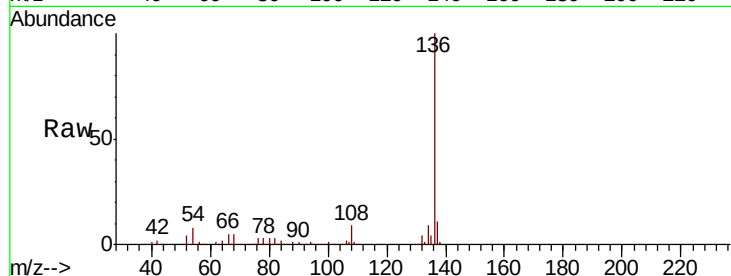
Acq: 31 Jul 2019 10:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	371371
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.2 13.8
54	8.3	8.7 13.1#
68	5.2	5.5 8.3#



#23

Nitrobenzene-d5

Concen: 99.773 ng

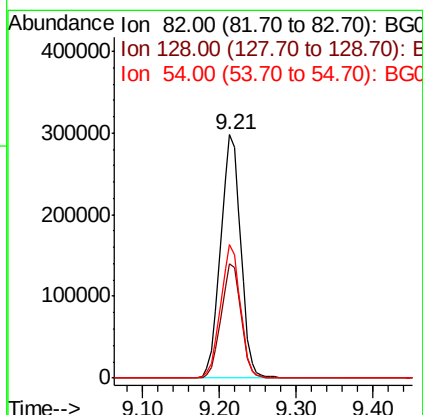
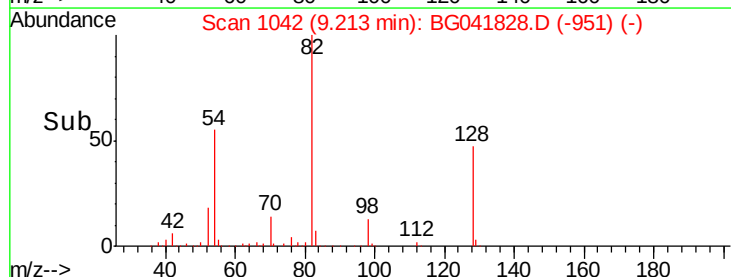
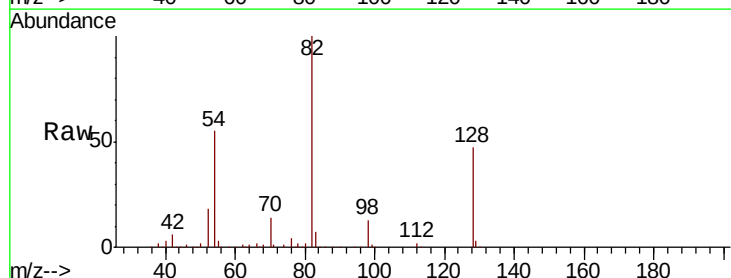
RT: 9.21 min Scan# 1042

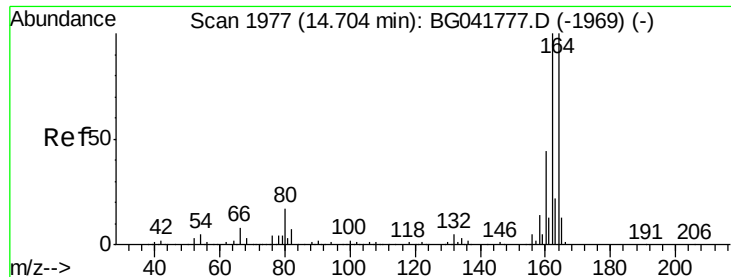
Delta R.T. 0.00 min

Lab File: BG041828.D

Acq: 31 Jul 2019 10:15

Tgt Ion: 82	Resp:	538430
Ion	Ratio	Lower Upper
82	100	
128	46.8	35.1 52.7
54	54.9	48.7 73.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG041828.D

Acq: 31 Jul 2019 10:15

Instrument :

BNA_G

ClientSampleId :

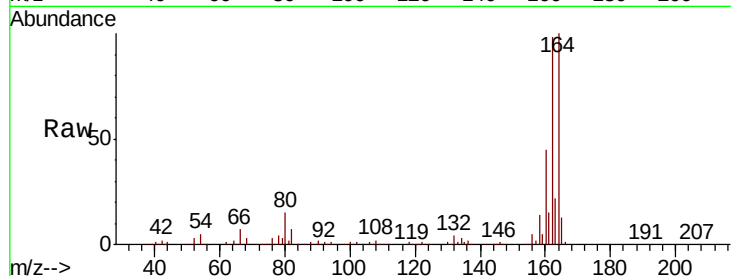
Tot Ion:164 Resp: 262451

Ion Ratio Lower Upper

164 100

162 98.0 79.6 119.4

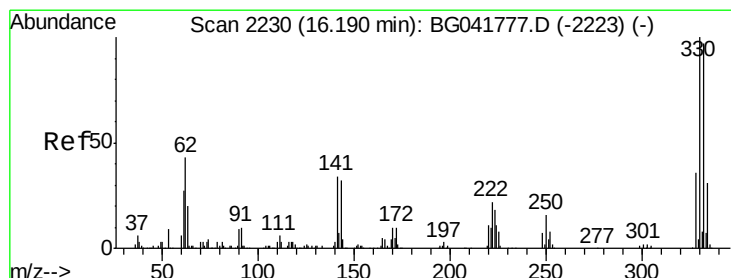
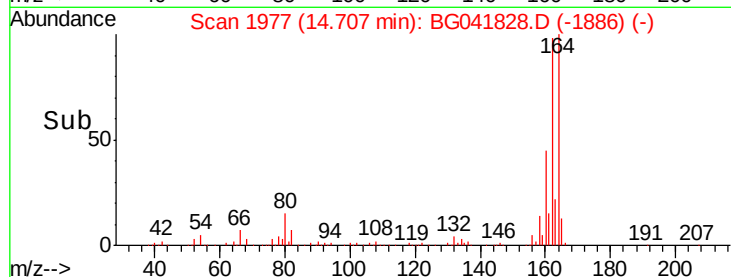
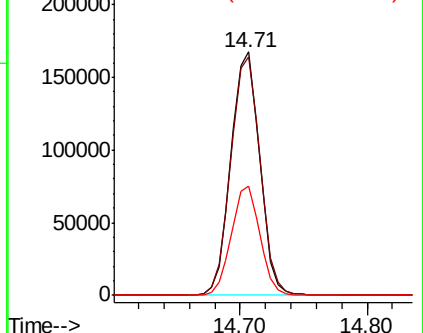
160 44.8 35.4 53.0



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: 149.945 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG041828.D

Acq: 31 Jul 2019 10:15

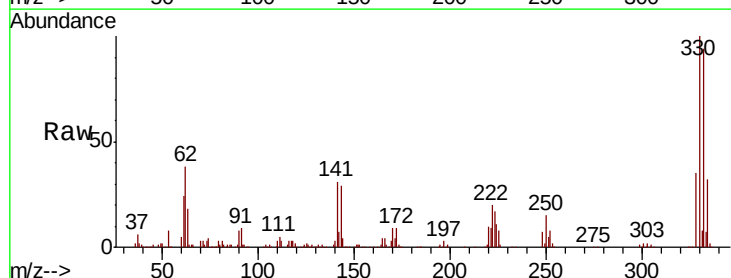
Tgt Ion:330 Resp: 447000

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.0

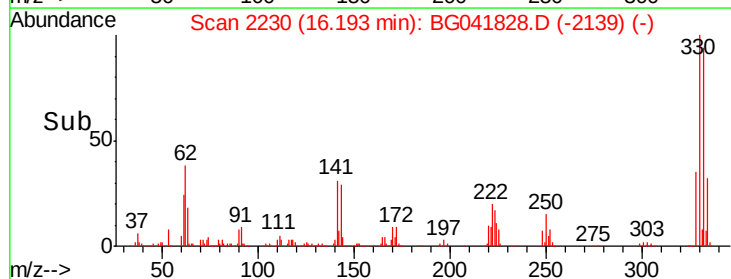
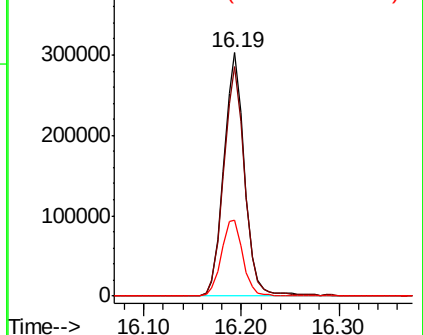
141 32.6 31.9 47.9

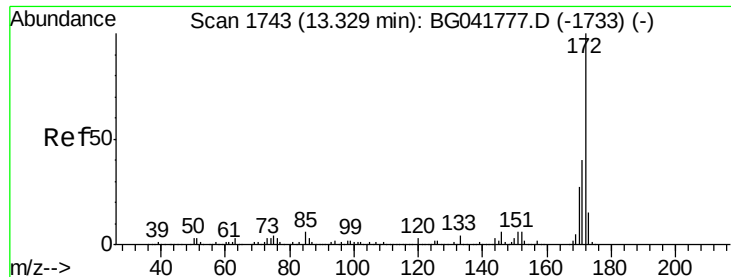


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

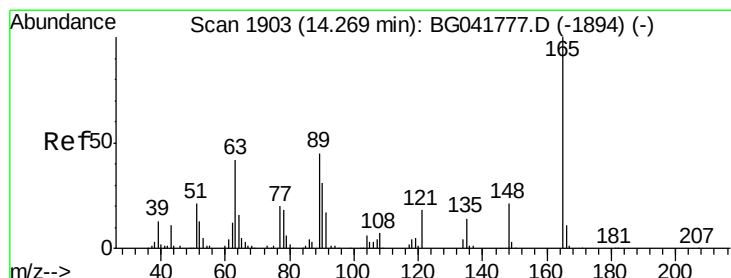
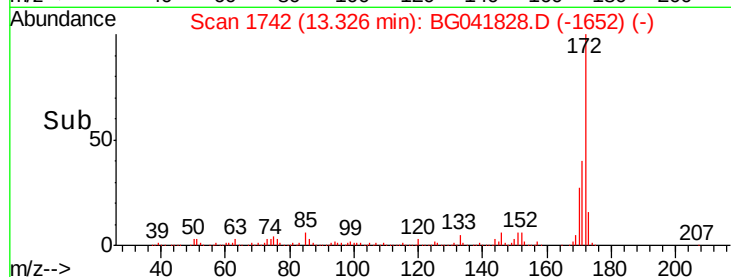
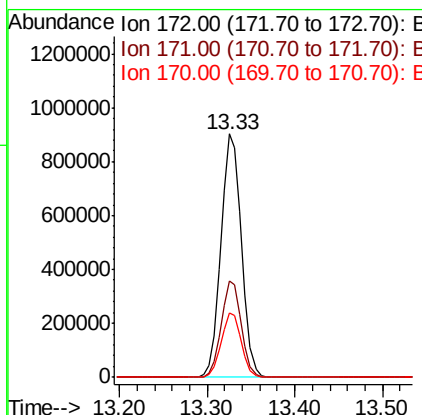
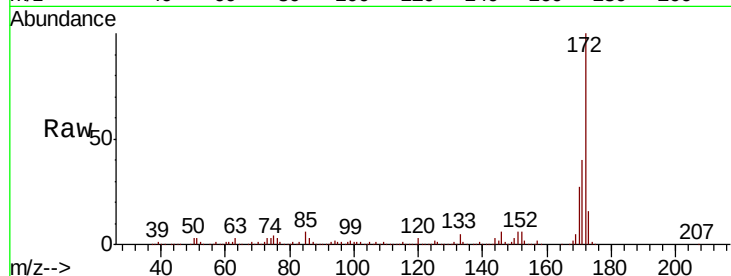




#45
2-Fluorobiphenyl
Concen: 98.459 ng
RT: 13.33 min Scan# 1742
Delta R.T. -0.00 min
Lab File: BG041828.D
Acq: 31 Jul 2019 10:15

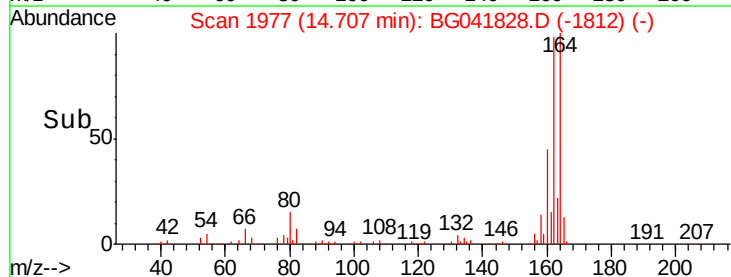
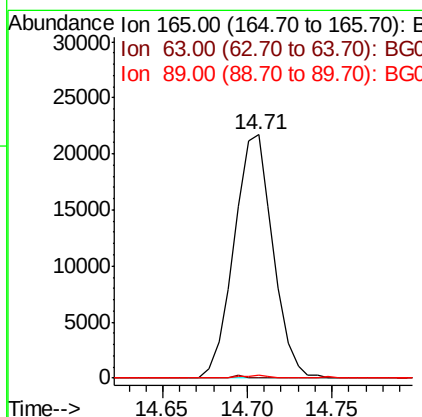
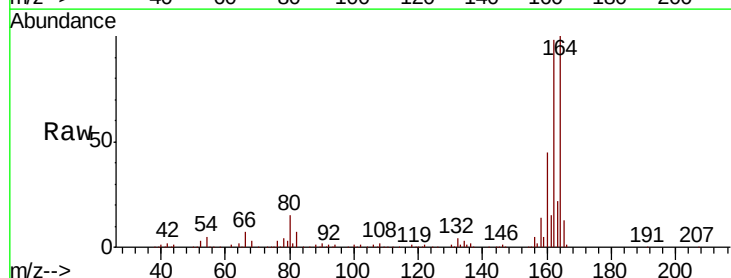
Instrument :
BNA_G
ClientSampled :

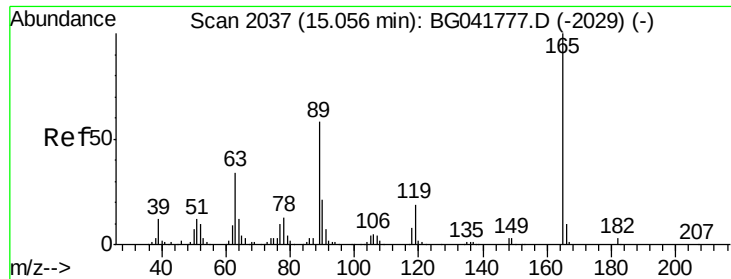
Tot Ion:172 Resp: 1465125
Ion Ratio Lower Upper
172 100
171 39.8 35.0 52.4
170 26.6 23.5 35.3



#51
2,6-Dinitrotoluene
Concen: 9.245 ng
RT: 14.71 min Scan# 1977
Delta R.T. 0.44 min
Lab File: BG041828.D
Acq: 31 Jul 2019 10:15

Tgt Ion:165 Resp: 34650
Ion Ratio Lower Upper
165 100
63 0.0 42.4 63.6#
89 1.1 42.1 63.1#





#57

2,4-Dinitrotoluene

Concen: 6.723 ng

RT: 14.71 min Scan# 1977

Delta R.T. -0.35 min

Lab File: BG041828.D

Acq: 31 Jul 2019 10:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 34650

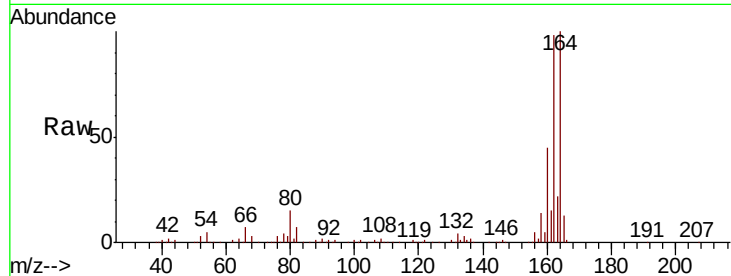
Ion Ratio Lower Upper

165 100

63 0.0 31.7 47.5#

89 1.1 50.2 75.4#

182 0.0 2.6 4.0#

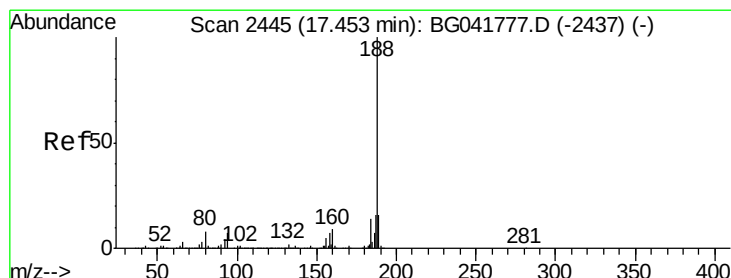
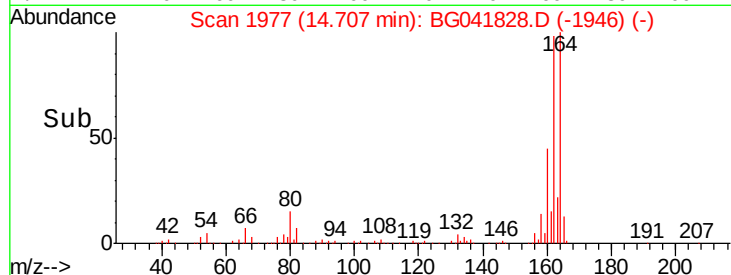
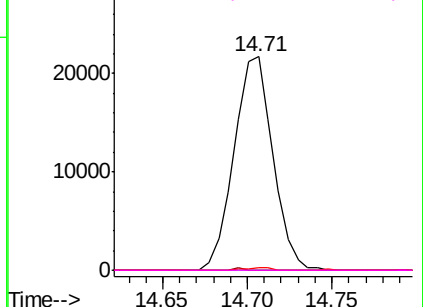


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041828.D

Acq: 31 Jul 2019 10:15

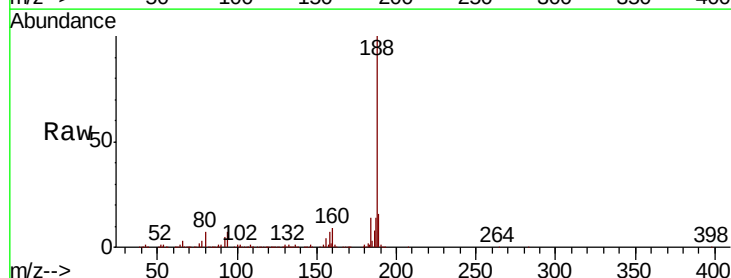
Tgt Ion:188 Resp: 611118

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

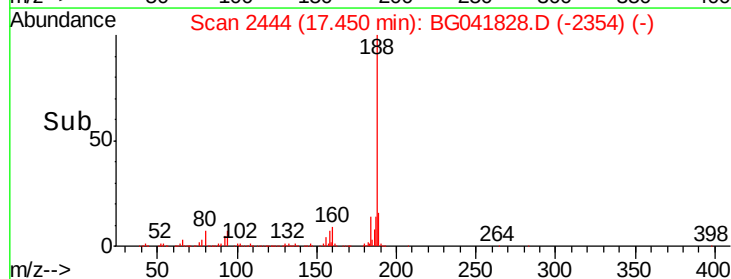
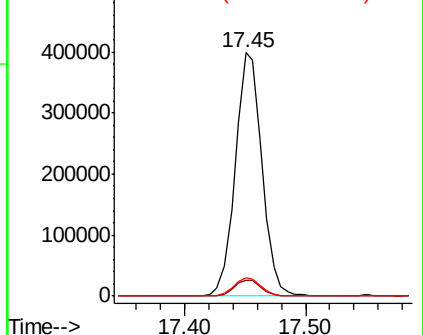
80 7.4 8.0 12.0#

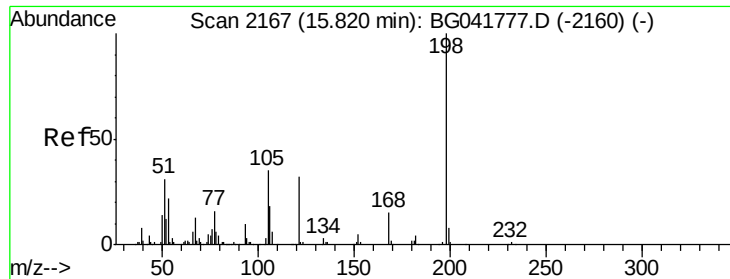


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.203 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.37 min

Lab File: BG041828.D

Acq: 31 Jul 2019 10:15

Instrument :

BNA_G

ClientSampleId :

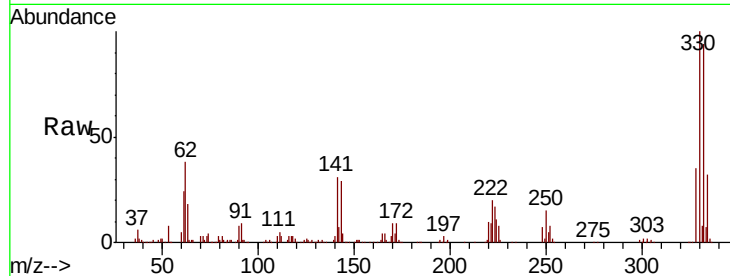
Tot Ion:198 Resp: 1222

Ion Ratio Lower Upper

198 100

51 73.2 22.3 62.3#

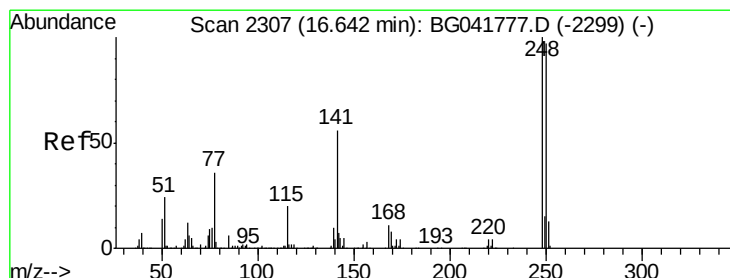
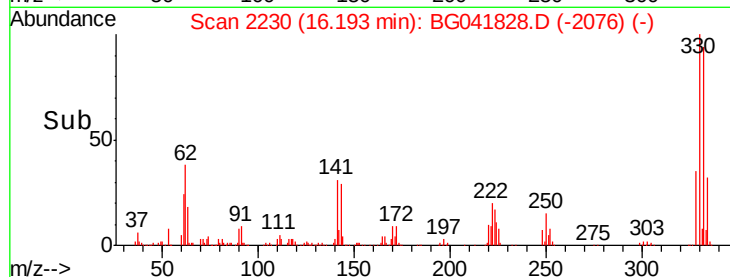
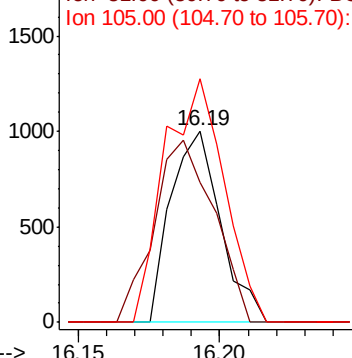
105 127.2 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.387 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.45 min

Lab File: BG041828.D

Acq: 31 Jul 2019 10:15

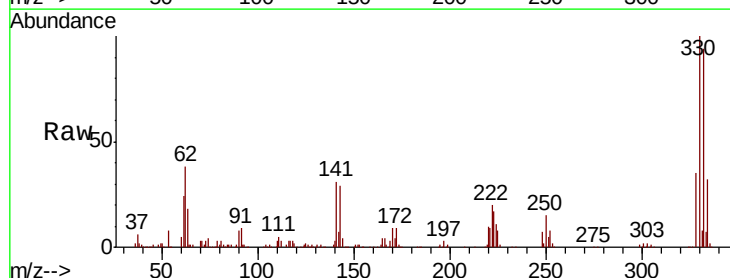
Tgt Ion:248 Resp: 33025

Ion Ratio Lower Upper

248 100

250 202.8 78.1 117.1#

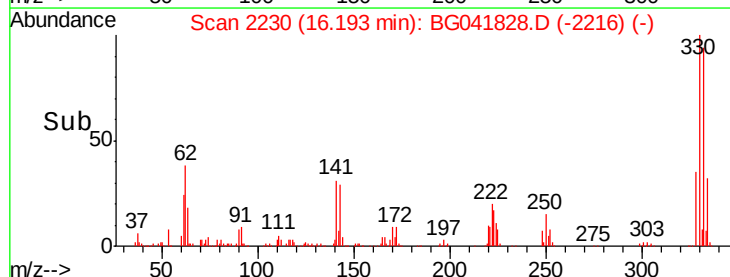
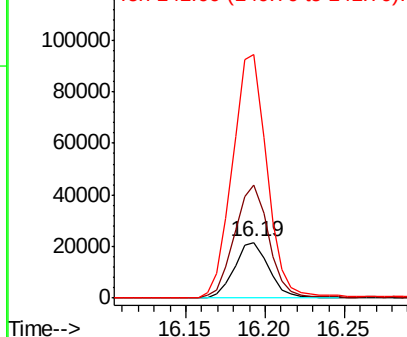
141 434.9 49.6 74.4#

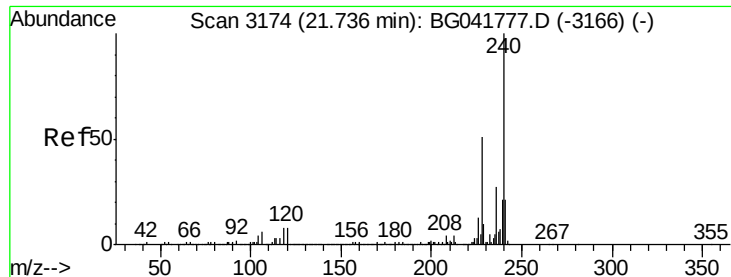


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

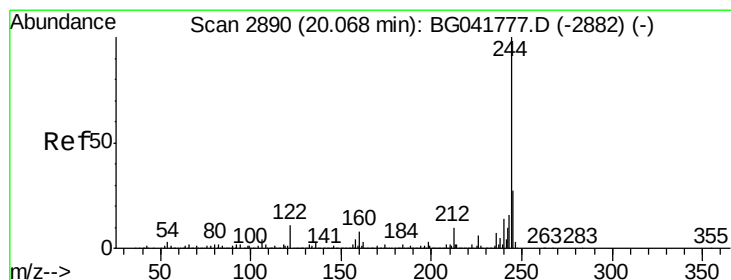
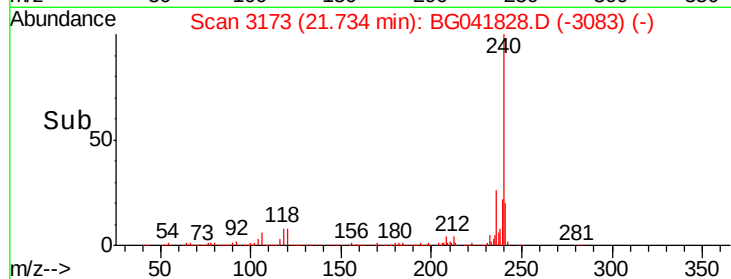
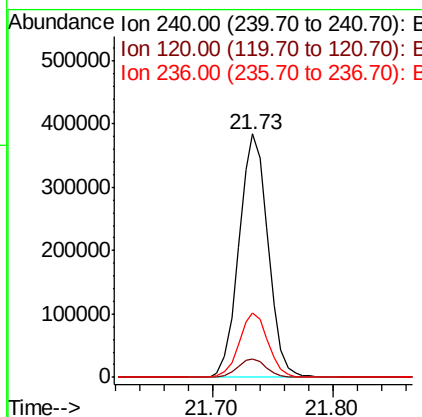
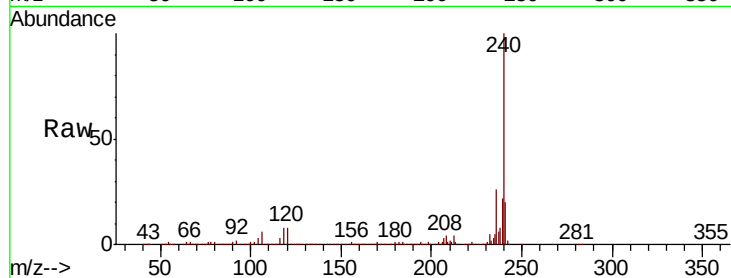




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: BG041828.D
 Acq: 31 Jul 2019 10:15

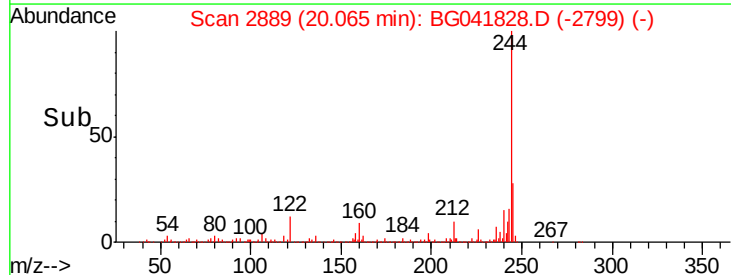
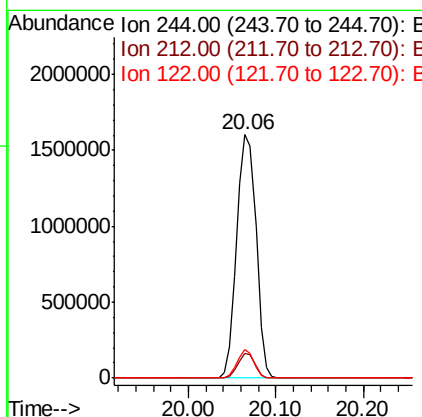
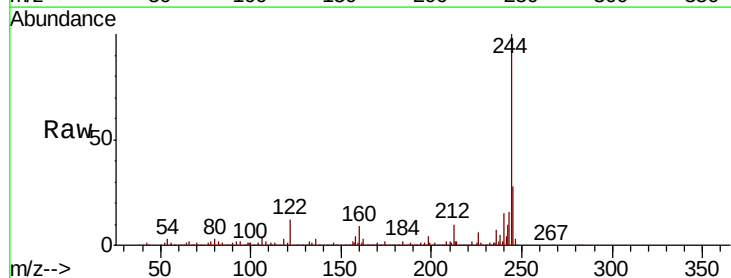
Instrument :
 BNA_G
 ClientSampled :

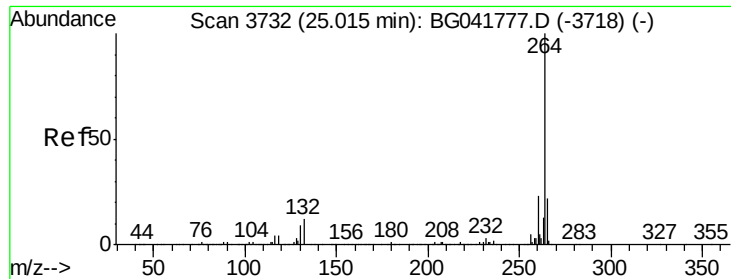
Tot Ion:240 Resp: 642861
 Ion Ratio Lower Upper
 240 100
 120 7.7 8.0 12.0#
 236 26.4 22.6 33.8



#79
 Terphenyl-d14
 Concen: 85.200 ng
 RT: 20.06 min Scan# 2889
 Delta R.T. -0.00 min
 Lab File: BG041828.D
 Acq: 31 Jul 2019 10:15

Tgt Ion:244 Resp: 2393590
 Ion Ratio Lower Upper
 244 100
 212 9.9 9.7 14.5
 122 11.7 12.5 18.7#





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3731
 Delta R.T. -0.00 min
 Lab File: BG041828.D
 Acq: 31 Jul 2019 10:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	22.7	18.0	27.0

