

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040119\
 Data File : BG040295.D
 Acq On : 2 Apr 2019 11:47
 Operator : JU/SJ
 Sample : K1692-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 02 13:45:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

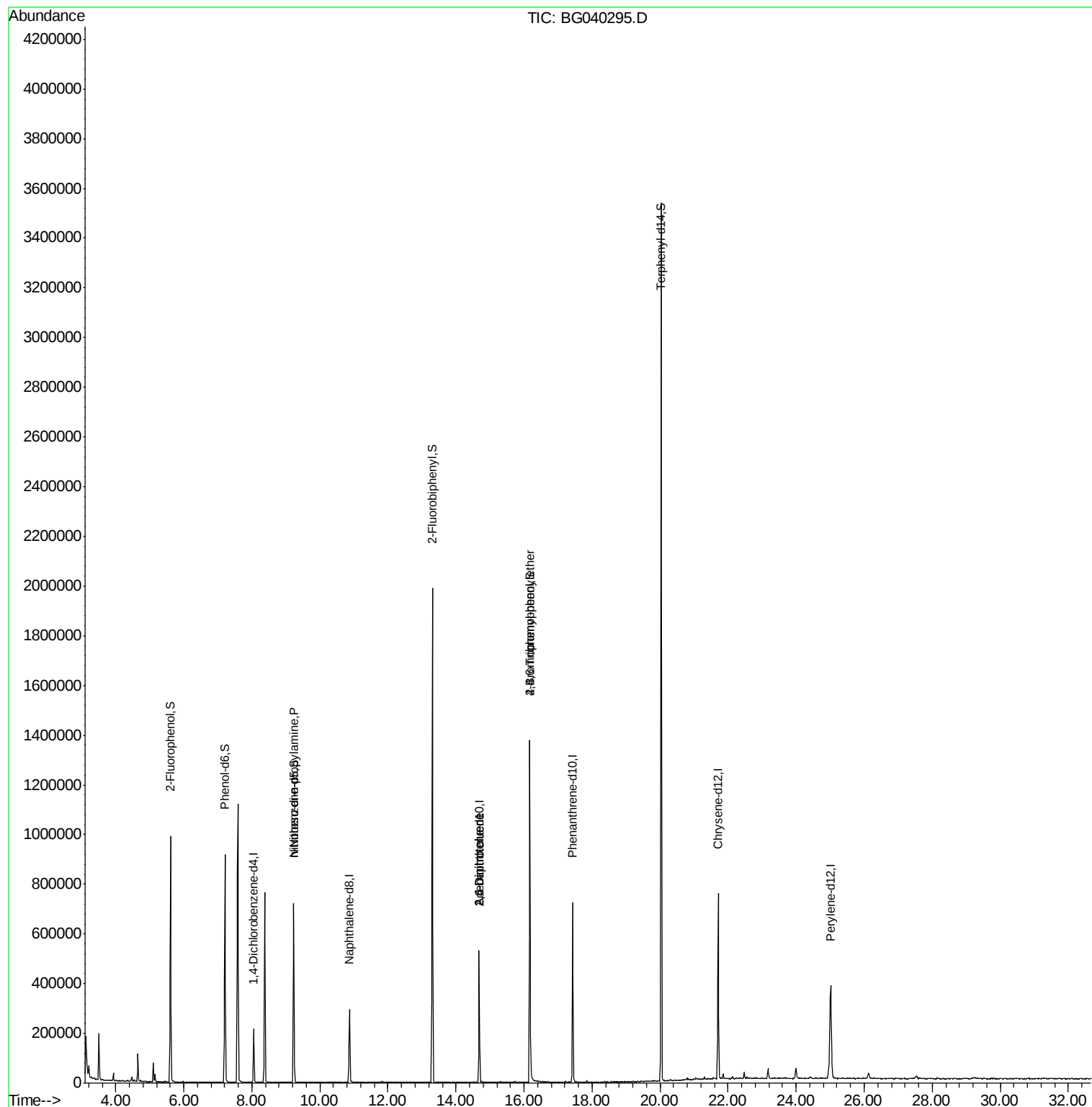
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	61413	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	263626	20.00	ng	-0.01
39) Acenaphthene-d10	14.68	164	180994	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	446040	20.00	ng	-0.02
76) Chrysene-d12	21.70	240	443061	20.00	ng	-0.03
87) Perylene-d12	25.01	264	447602	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	433822	117.43	ng	-0.01
7) Phenol-d6	7.21	99	564007	110.47	ng	-0.01
23) Nitrobenzene-d5	9.23	82	443806	89.48	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	271524	138.81	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1063052	87.03	ng	-0.02
79) Terphenyl-d14	20.04	244	1744674	88.59	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	55492	15.160	ng	# 75
51) 2,6-Dinitrotoluene	14.68	165	23761	7.471	ng	# 26
57) 2,4-Dinitrotoluene	14.68	165	23761	5.376	ng	# 26
67) 4-Bromophenyl-phenylether	16.18	248	20670	4.118	ng	# 1

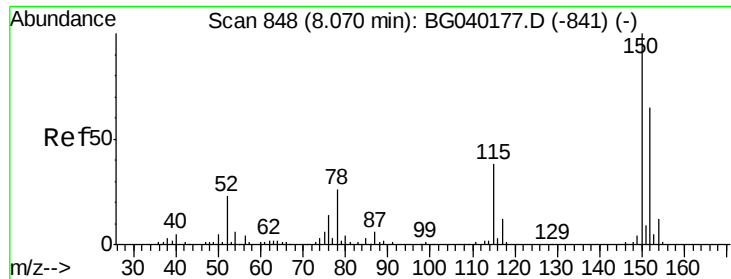
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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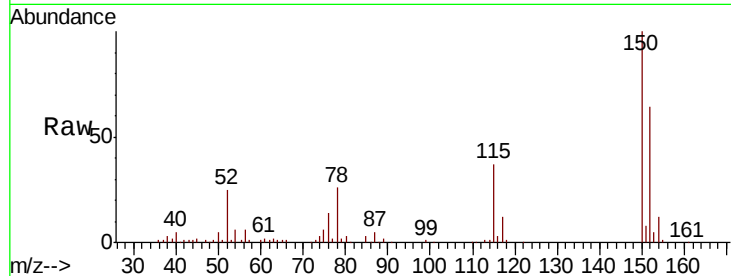


#1

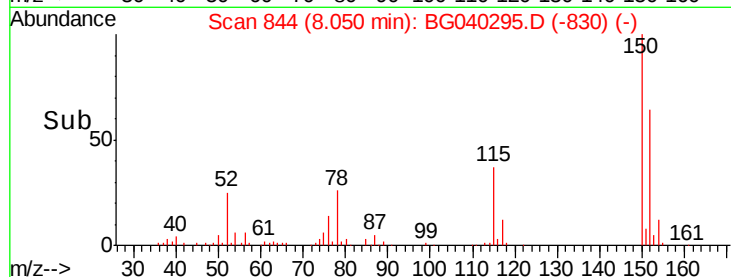
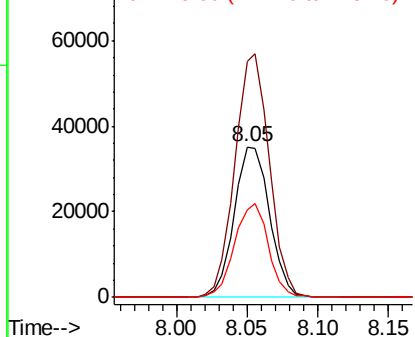
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.02 min
Lab File: BG040295.D
Acq: 2 Apr 2019 11:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61413
Ion Ratio Lower Upper
152 100
150 156.8 123.7 185.5
115 58.2 46.9 70.3



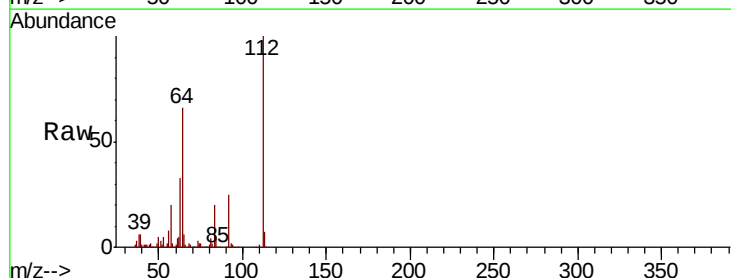
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



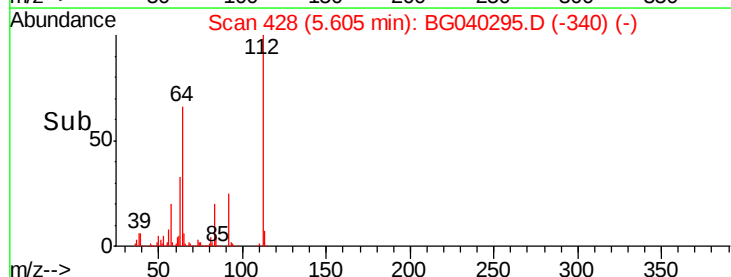
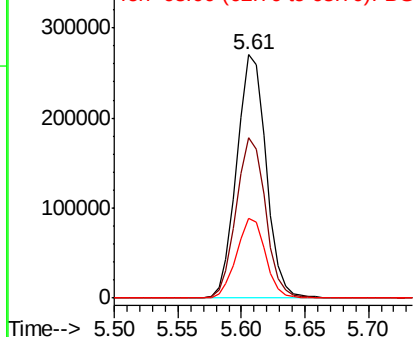
#5

2-Fluorophenol
Concen: 117.433 ng
RT: 5.61 min Scan# 428
Delta R.T. -0.01 min
Lab File: BG040295.D
Acq: 2 Apr 2019 11:47

Tgt Ion:112 Resp: 433822
Ion Ratio Lower Upper
112 100
64 65.8 54.2 81.2
63 32.6 26.4 39.6



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: 110.471 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG040295.D

Acq: 2 Apr 2019 11:47

Instrument :

BNA_G

ClientSampleId :

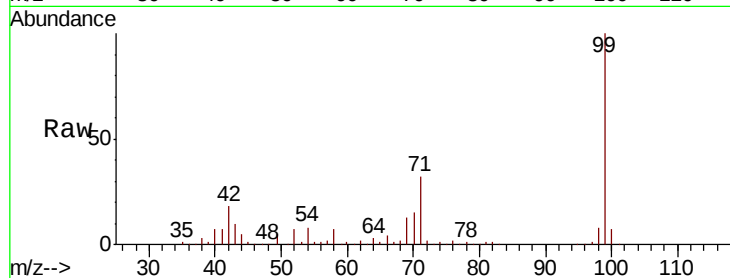
Tot Ion: 99 Resp: 564007

Ion Ratio Lower Upper

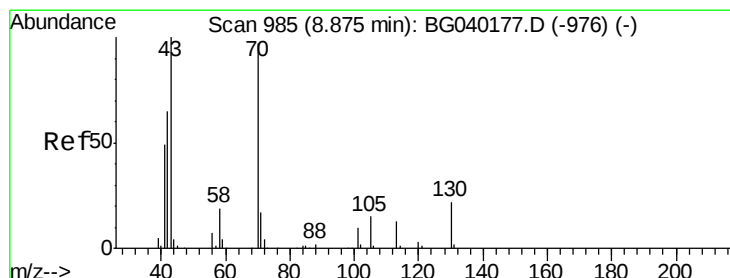
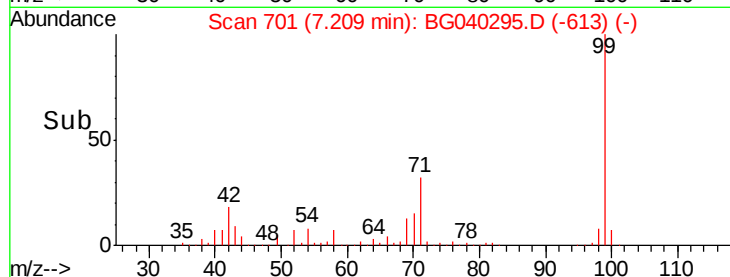
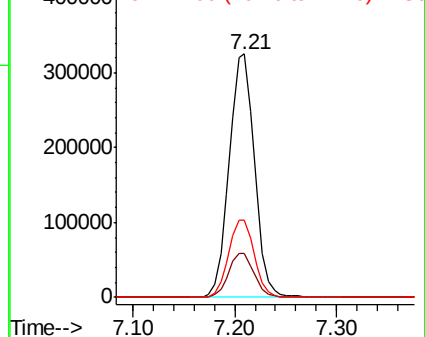
99 100

42 18.0 16.2 24.2

71 31.7 26.8 40.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.160 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.36 min

Lab File: BG040295.D

Acq: 2 Apr 2019 11:47

Tgt Ion: 70 Resp: 55492

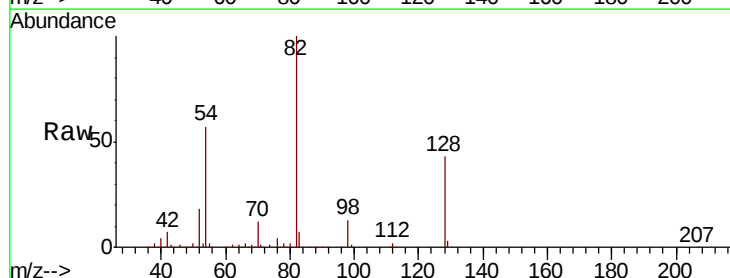
Ion Ratio Lower Upper

70 100

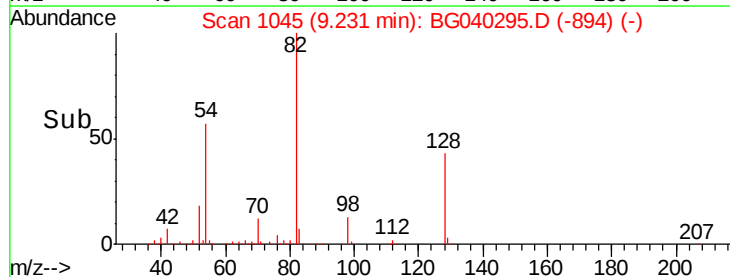
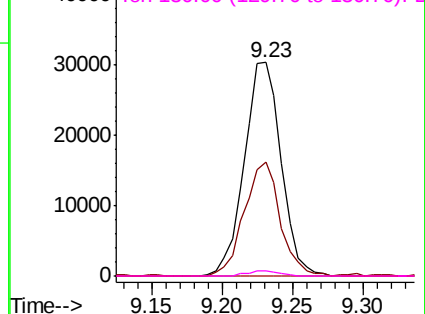
42 53.1 54.0 81.0#

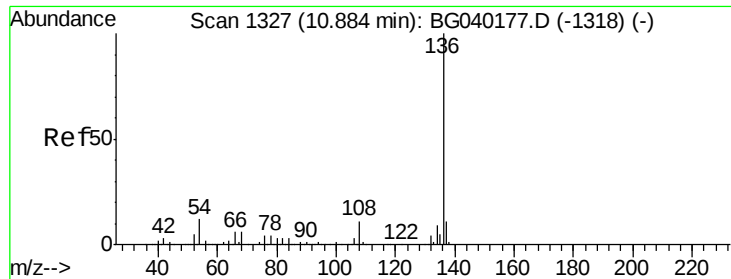
101 0.0 8.6 13.0#

130 2.2 18.2 27.2#



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

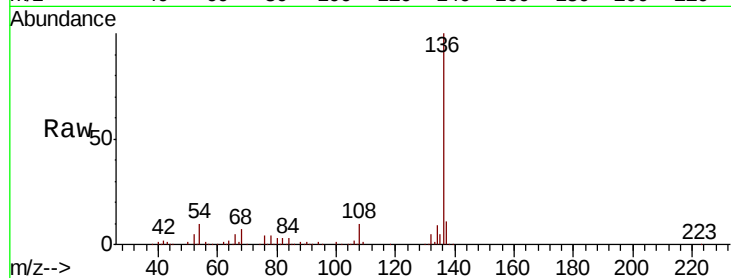




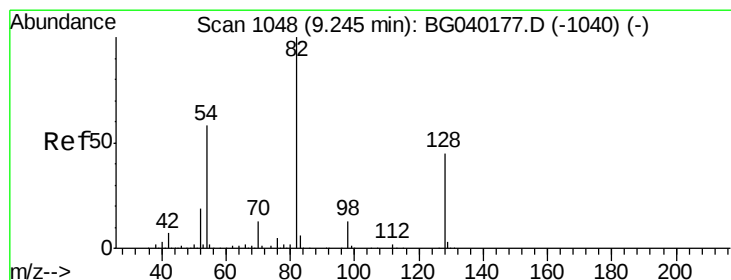
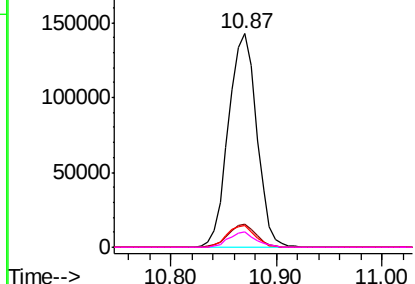
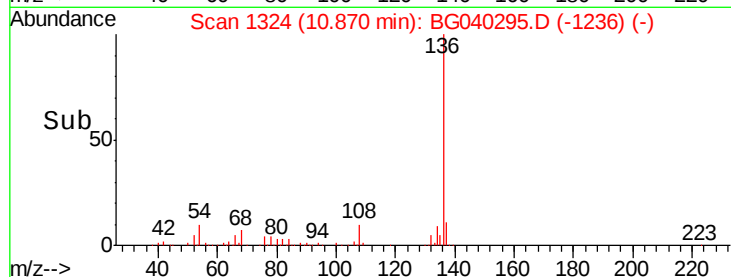
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG040295.D
Acq: 2 Apr 2019 11:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	263626
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 10.1	9.6	14.4
68 7.0	5.1	7.7

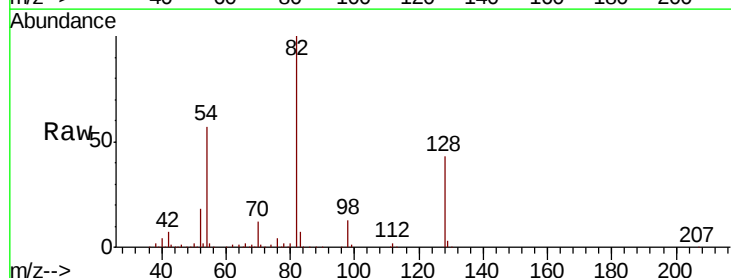


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

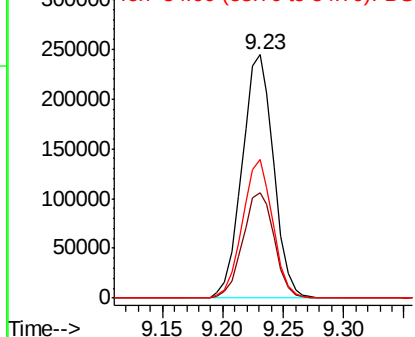
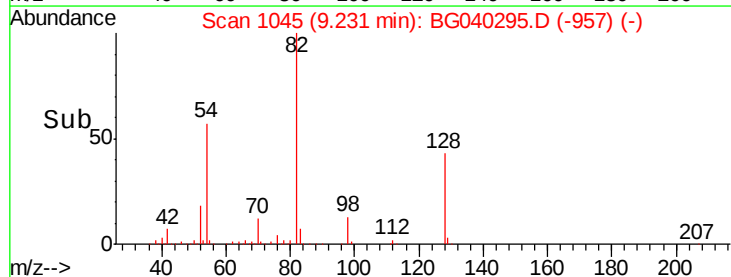


#23
Nitrobenzene-d5
Concen: 89.482 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG040295.D
Acq: 2 Apr 2019 11:47

Tgt Ion: 82	Resp: 443806
Ion Ratio	Lower Upper
82 100	
128 43.4	35.8 53.8
54 56.8	46.2 69.2



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: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG040295.D

Acq: 2 Apr 2019 11:47

Instrument :

BNA_G

ClientSampleId :

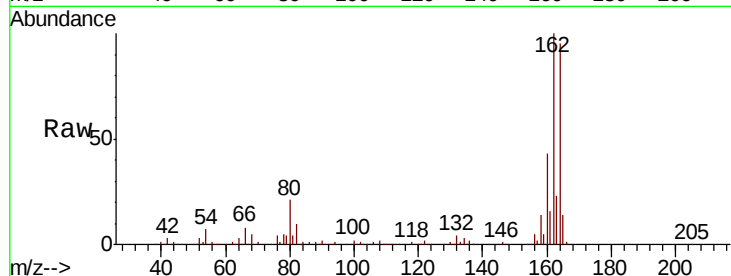
Tot Ion:164 Resp: 180994

Ion Ratio Lower Upper

164 100

162 105.6 77.4 116.2

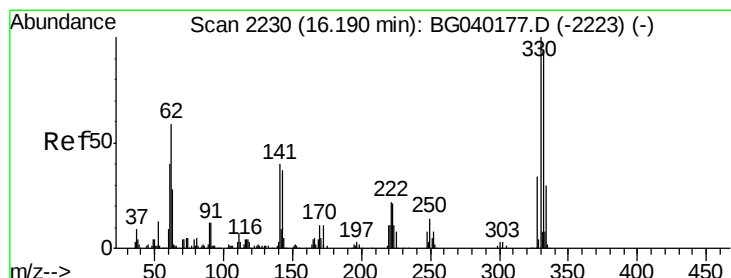
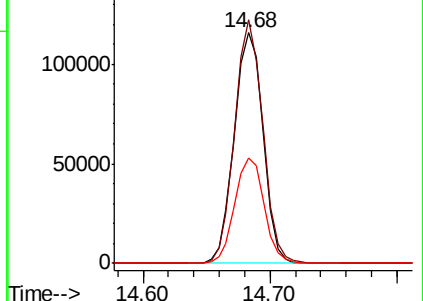
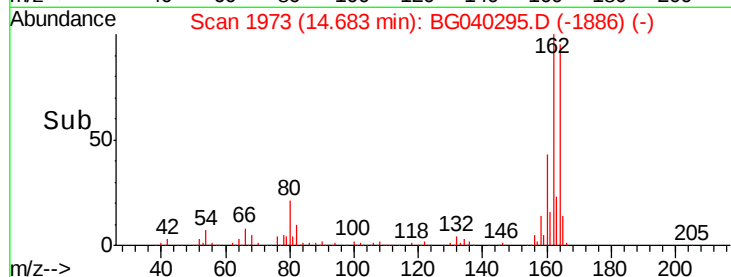
160 45.7 35.3 52.9



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: 138.811 ng

RT: 16.18 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG040295.D

Acq: 2 Apr 2019 11:47

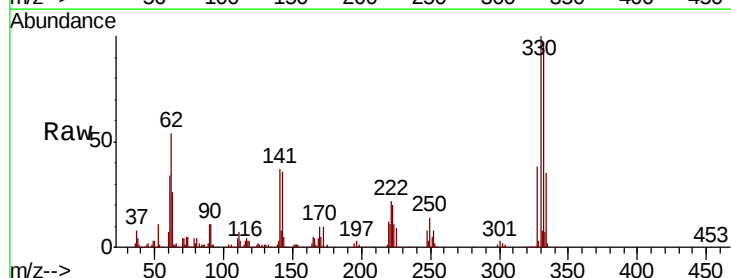
Tgt Ion:330 Resp: 271524

Ion Ratio Lower Upper

330 100

332 99.4 76.6 115.0

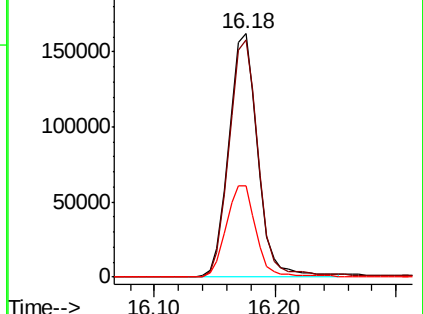
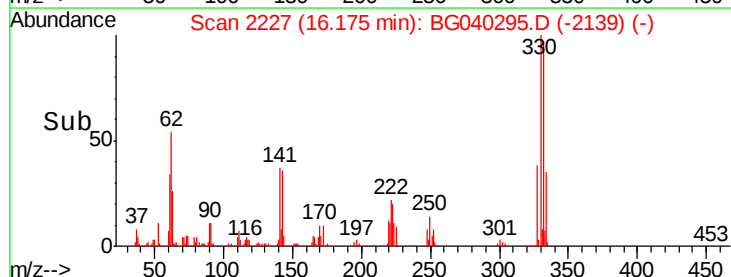
141 38.2 32.6 48.8



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

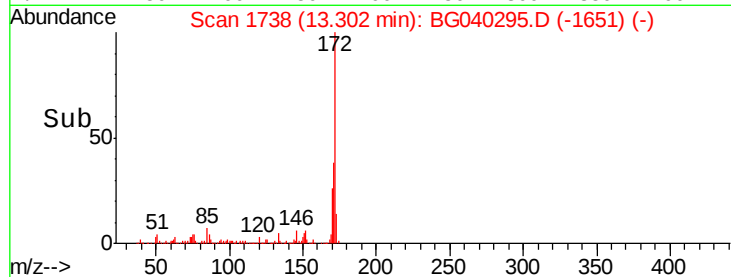
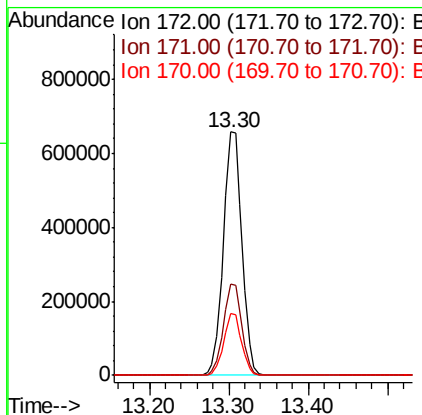
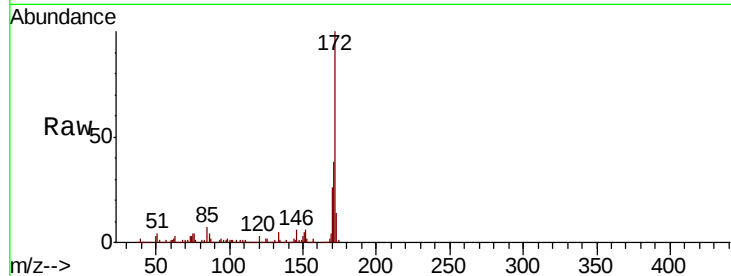




#45
2-Fluorobiphenyl
Concen: 87.030 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.02 min
Lab File: BG040295.D
Acq: 2 Apr 2019 11:47

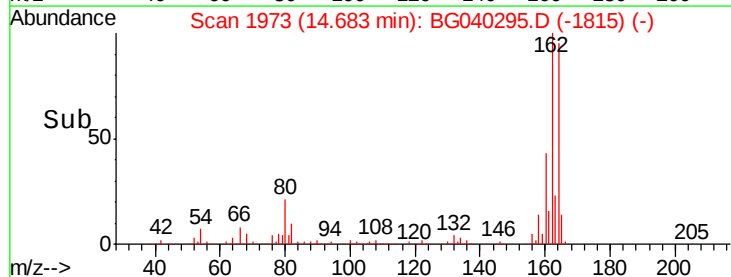
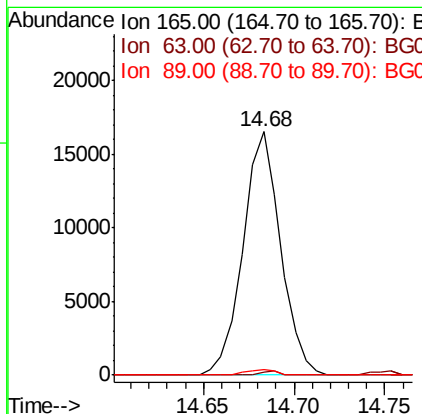
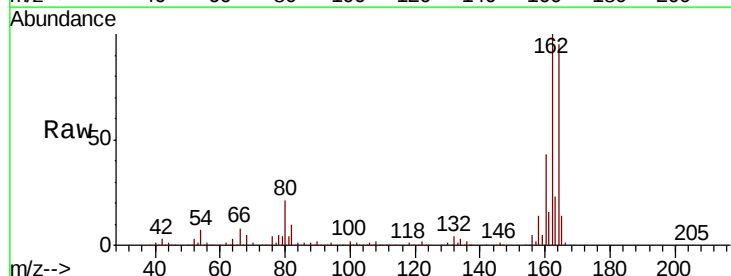
Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1063052
Ion Ratio Lower Upper
172 100
171 37.7 30.5 45.7
170 25.6 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.471 ng
RT: 14.68 min Scan# 1973
Delta R.T. 0.40 min
Lab File: BG040295.D
Acq: 2 Apr 2019 11:47

Tgt Ion:165 Resp: 23761
Ion Ratio Lower Upper
165 100
63 1.4 44.1 66.1#
89 2.4 44.9 67.3#

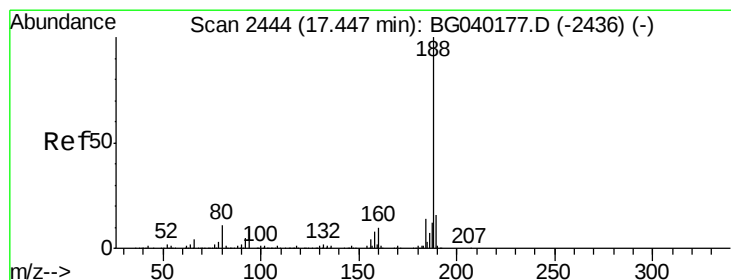
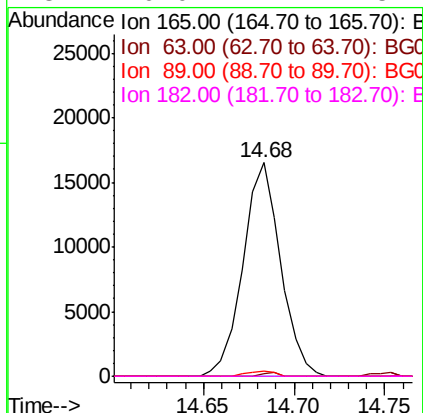
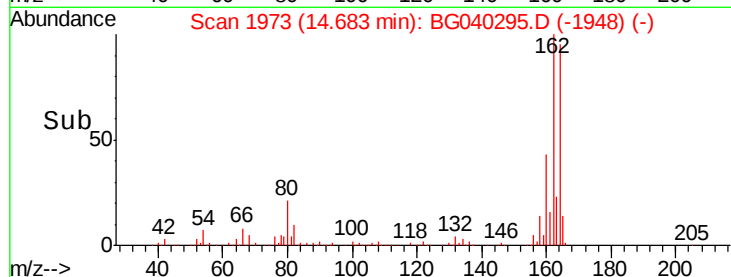
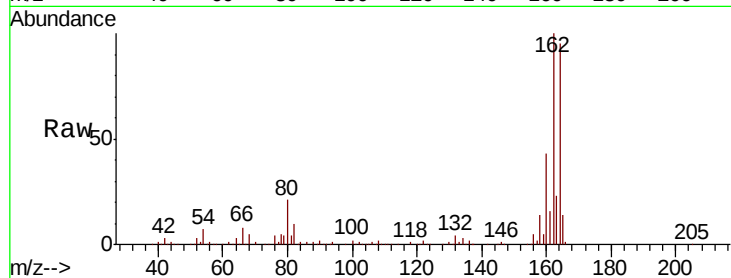




#57
 2,4-Dinitrotoluene
 Concen: 5.376 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.38 min
 Lab File: BG040295.D
 Acq: 2 Apr 2019 11:47

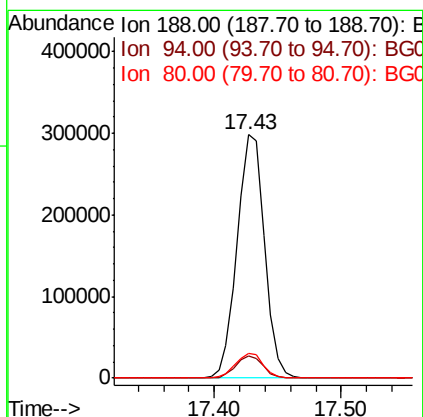
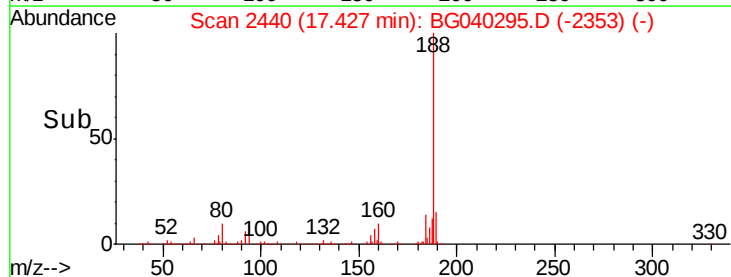
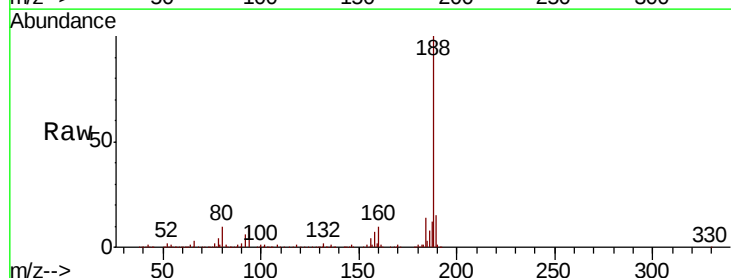
Instrument :
 BNA_G
 ClientSampleId :

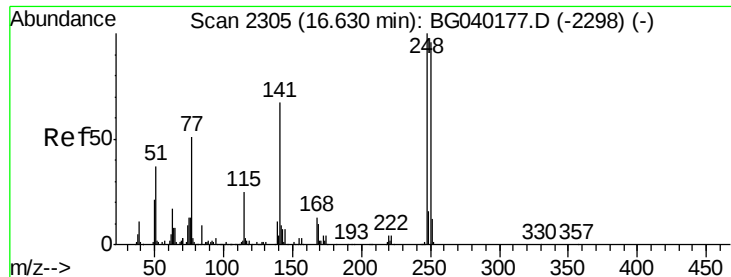
Tot Ion:165 Resp: 23761
 Ion Ratio Lower Upper
 165 100
 63 1.4 33.8 50.6#
 89 2.4 55.4 83.2#
 182 0.0 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.02 min
 Lab File: BG040295.D
 Acq: 2 Apr 2019 11:47

Tgt Ion:188 Resp: 446040
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.0 10.4
 80 10.2 8.6 13.0

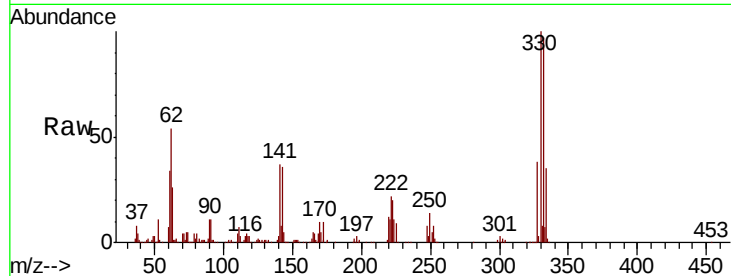




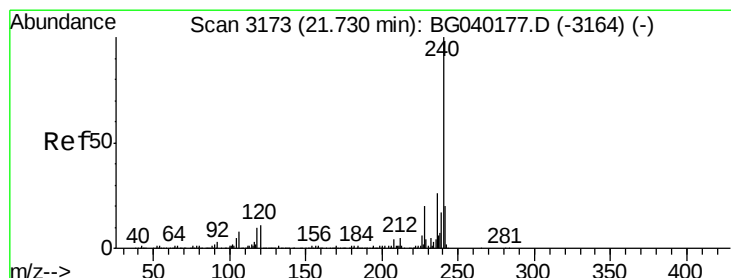
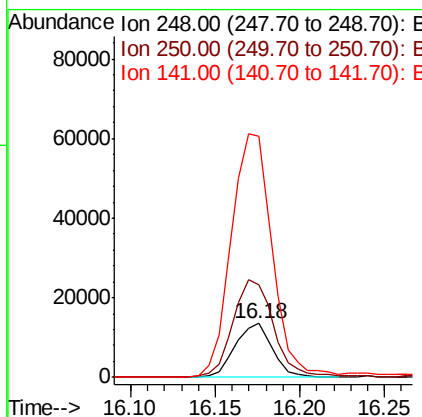
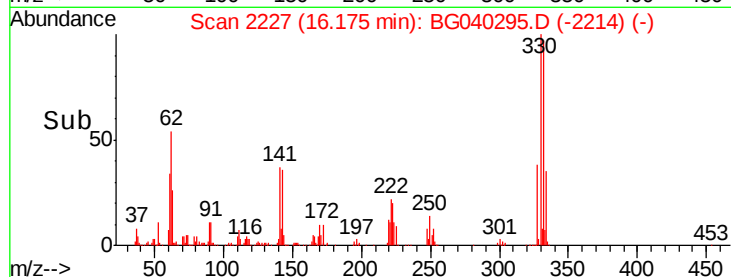
#67
 4-Bromophenyl-phenylether
 Concen: 4.118 ng
 RT: 16.18 min Scan# 2227
 Delta R.T. -0.46 min
 Lab File: BG040295.D
 Acq: 2 Apr 2019 11:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 20670
 Ion Ratio Lower Upper
 248 100
 250 129.8 76.4 114.6#
 141 336.9 53.8 80.8#

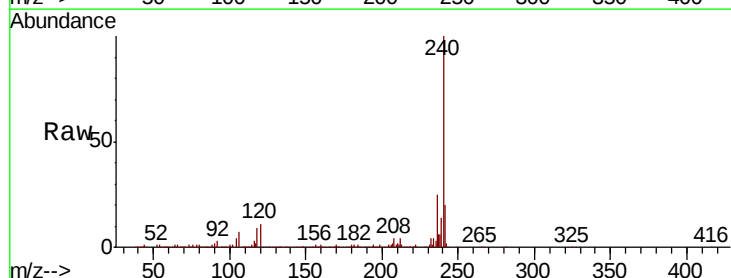


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

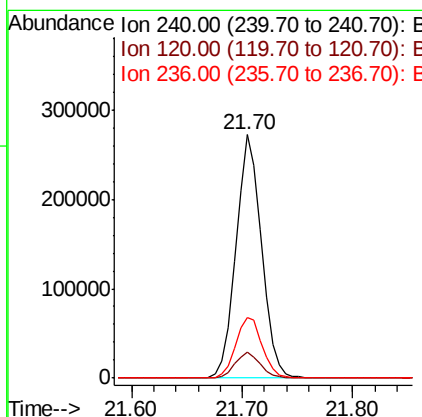
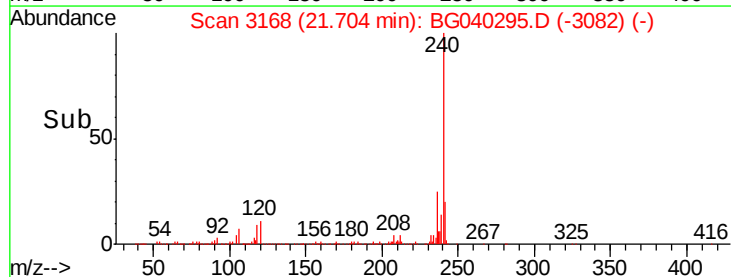


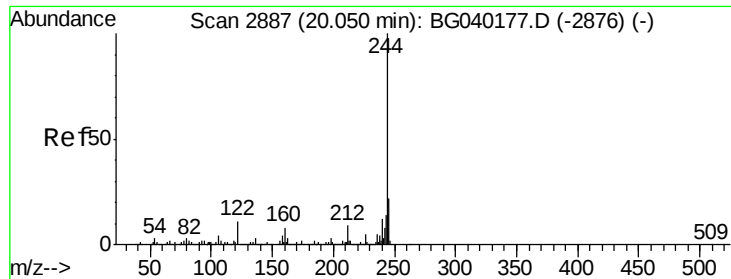
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.03 min
 Lab File: BG040295.D
 Acq: 2 Apr 2019 11:47

Tgt Ion:240 Resp: 443061
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.4 12.6
 236 25.1 20.8 31.2



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: 88.586 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG040295.D

Acq: 2 Apr 2019 11:47

Instrument :

BNA_G

ClientSampleId :

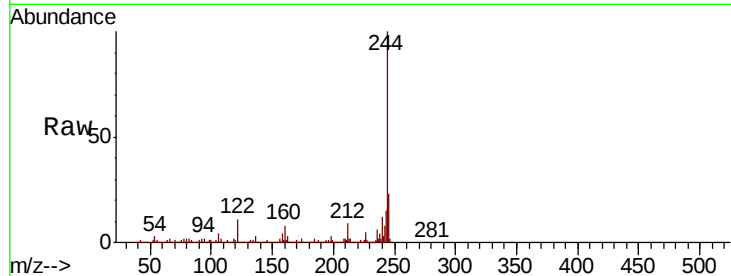
Tot Ion:244 Resp: 1744674

Ion Ratio Lower Upper

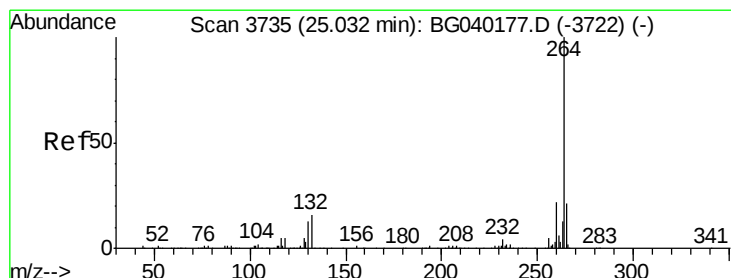
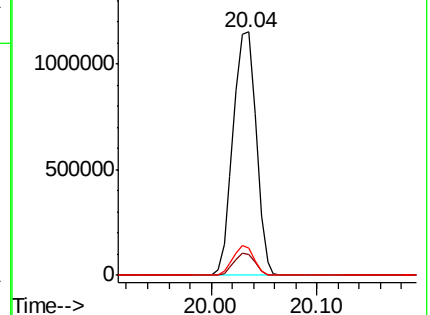
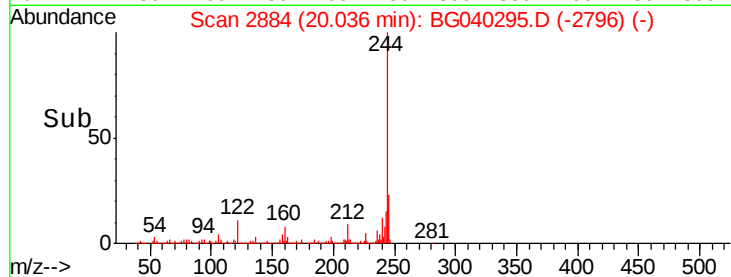
244 100

212 8.8 7.0 10.6

122 11.3 8.5 12.7



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

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3731

Delta R.T. -0.02 min

Lab File: BG040295.D

Acq: 2 Apr 2019 11:47

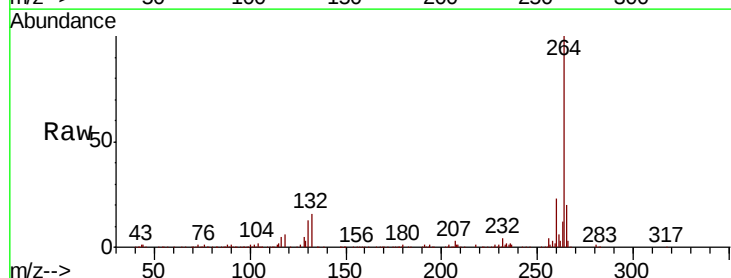
Tgt Ion:264 Resp: 447602

Ion Ratio Lower Upper

264 100

260 22.9 17.9 26.9

265 20.0 16.8 25.2



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

