

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041719\
 Data File : BG040553.D
 Acq On : 18 Apr 2019 6:34
 Operator : JU/SJ
 Sample : K2441-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 18 07:22:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 13 00:33:11 2019
 Response via : Initial Calibration

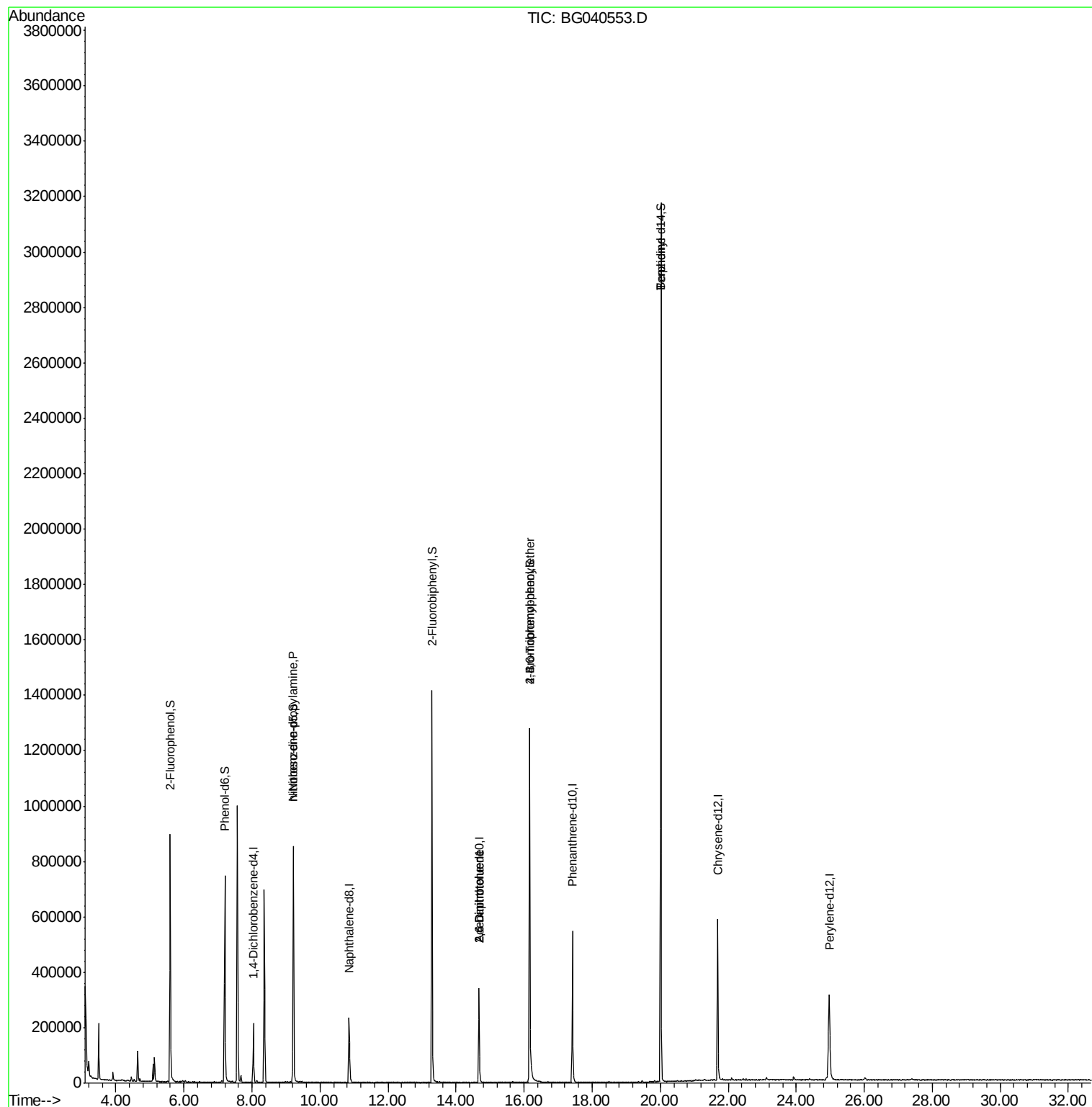
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	56020	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	218903	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	131335	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	349544	20.00	ng	0.00
76) Chrysene-d12	21.69	240	359684	20.00	ng	0.00
87) Perylene-d12	24.97	264	376477	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	386783	114.78	ng	0.00
7) Phenol-d6	7.20	99	459107	98.58	ng	0.00
23) Nitrobenzene-d5	9.22	82	516866	125.50	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	248686	175.21	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	797945	90.03	ng	0.00
79) Terphenyl-d14	20.02	244	1513281	94.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	65986	19.762	ng	# 77
51) 2,6-Dinitrotoluene	14.67	165	16867	7.308	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	16867	5.260	ng	# 27
67) 4-Bromophenyl-phenylether	16.16	248	19849	5.046	ng	# 1
77) Benzidine	20.02	184	26020	2.003	ng	# 93

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

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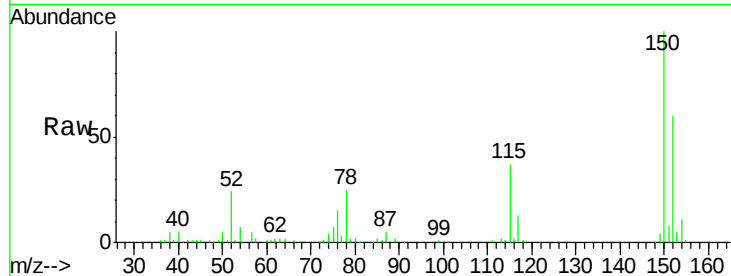


#1

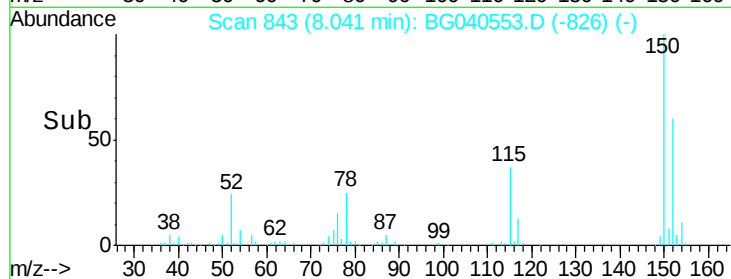
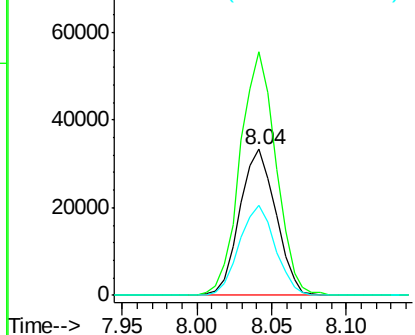
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG040553.D
Acq: 18 Apr 2019 6:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 56020
Ion Ratio Lower Upper
152 100
150 167.0 123.7 185.5
115 62.2 46.9 70.3



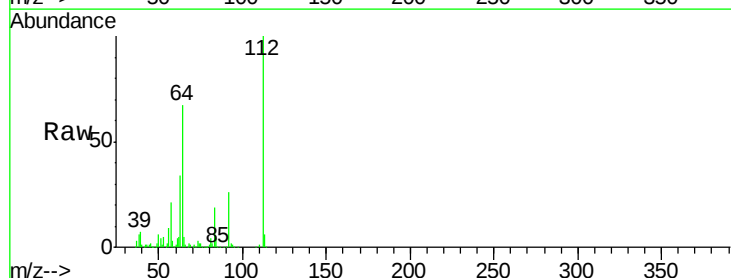
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



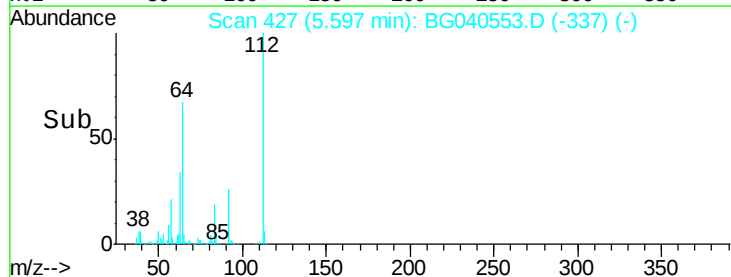
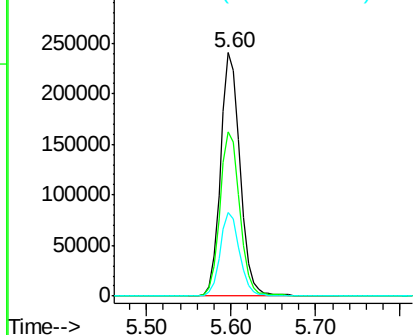
#5

2-Fluorophenol
Concen: 114.779 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG040553.D
Acq: 18 Apr 2019 6:34

Tgt Ion:112 Resp: 386783
Ion Ratio Lower Upper
112 100
64 67.3 54.2 81.2
63 34.2 26.4 39.6



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





#7

Phenol-d6

Concen: 98.582 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

Instrument :

BNA_G

ClientSampleId :

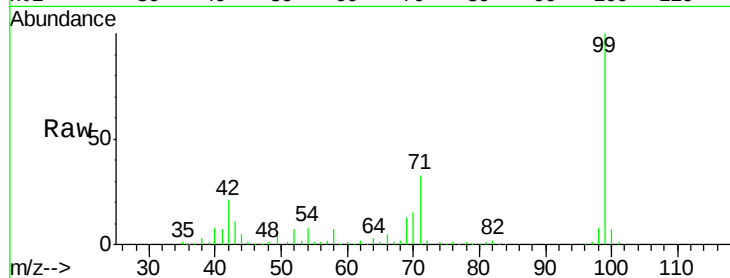
Tot Ion: 99 Resp: 459107

Ion Ratio Lower Upper

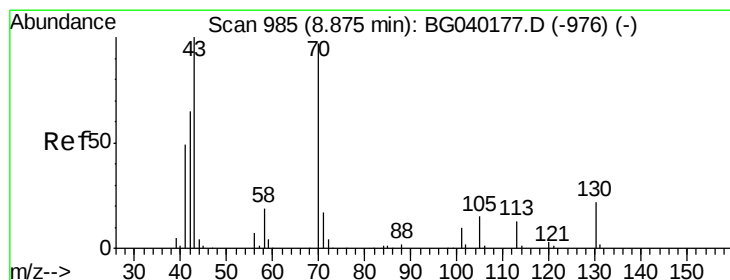
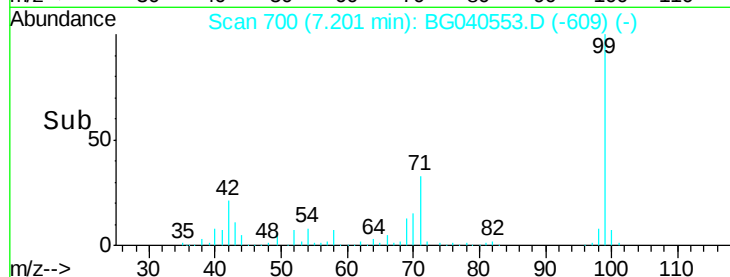
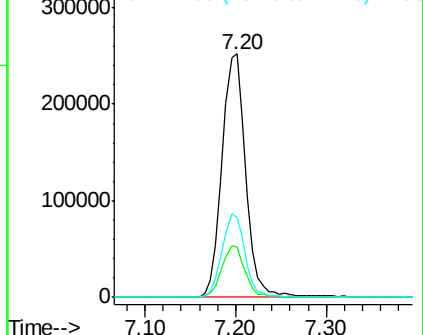
99 100

42 20.7 16.2 24.2

71 32.9 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: 19.762 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.37 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

Tgt Ion: 70 Resp: 65986

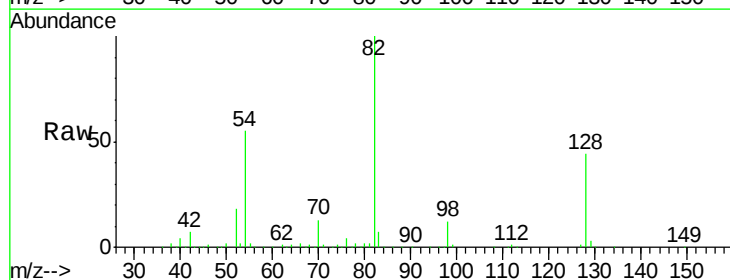
Ion Ratio Lower Upper

70 100

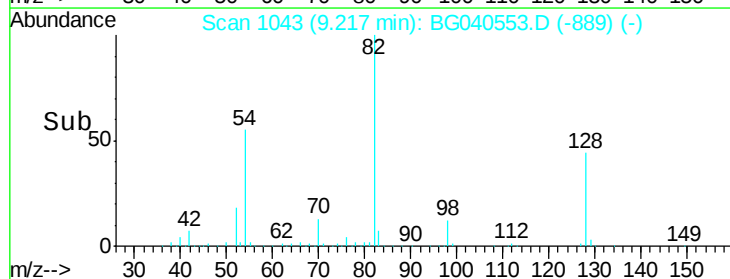
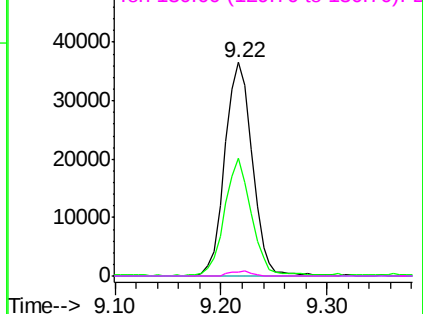
42 55.0 54.0 81.0

101 0.0 8.6 13.0#

130 2.0 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

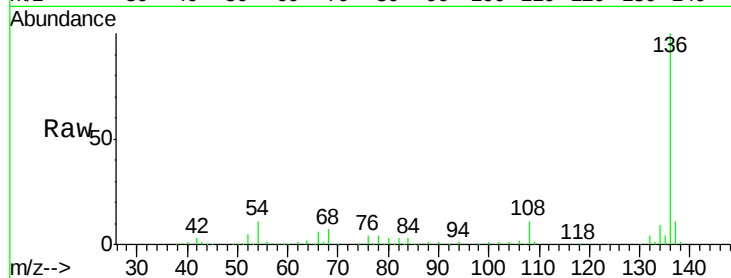




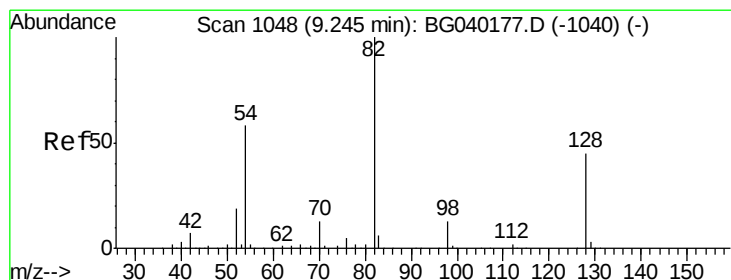
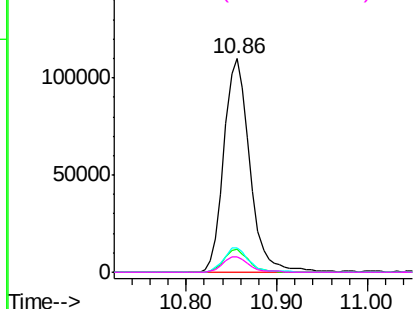
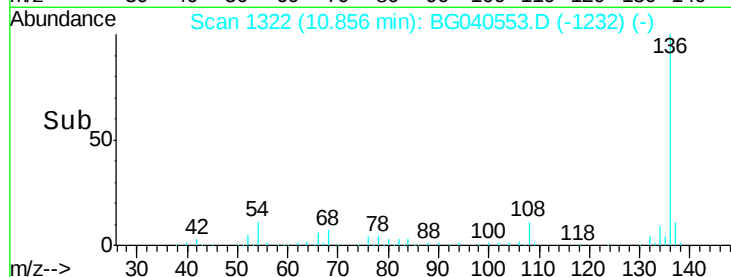
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG040553.D
Acq: 18 Apr 2019 6:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	218903
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	11.4	9.6 14.4
68	7.4	5.1 7.7

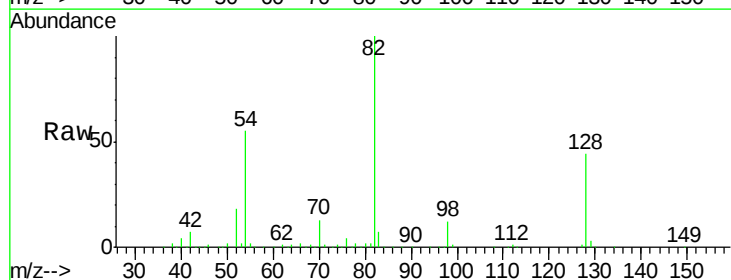


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

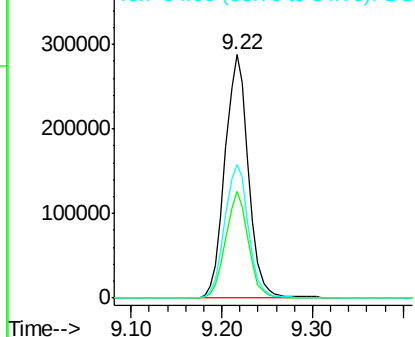
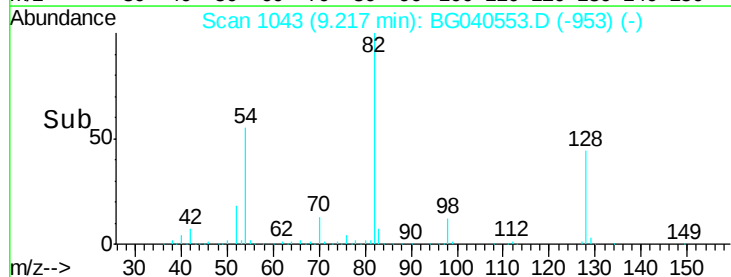


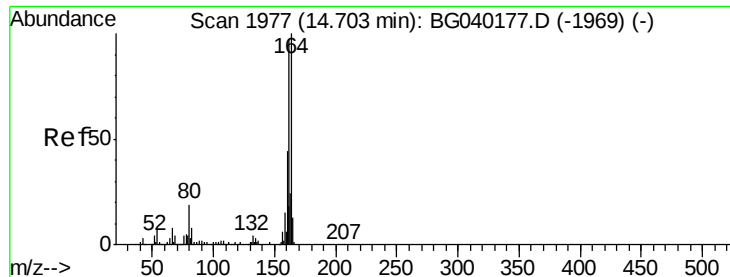
#23
Nitrobenzene-d5
Concen: 125.504 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BG040553.D
Acq: 18 Apr 2019 6:34

Tgt Ion: 82	Resp:	516866
Ion Ratio	Lower	Upper
82	100	
128	44.0	35.8 53.8
54	54.9	46.2 69.2



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: 14.67 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

Instrument :

BNA_G

ClientSampleId :

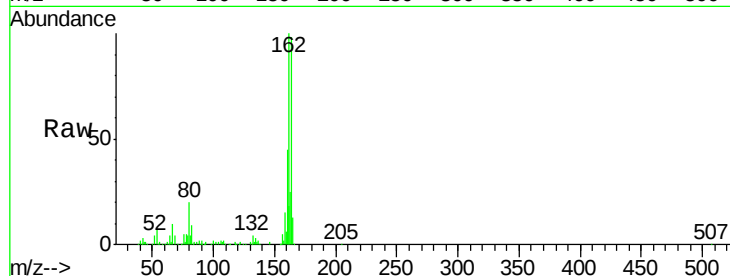
Tot Ion:164 Resp: 131335

Ion Ratio Lower Upper

164 100

162 101.7 77.4 116.2

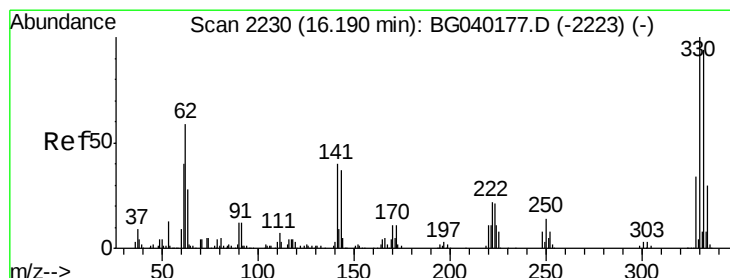
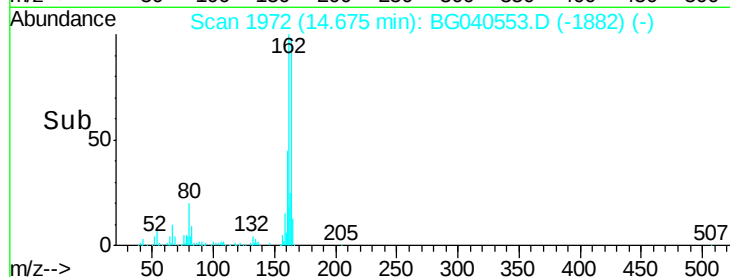
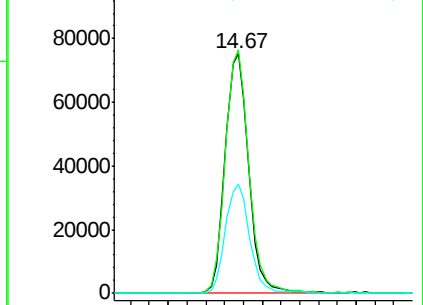
160 45.4 35.3 52.9



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: 175.206 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

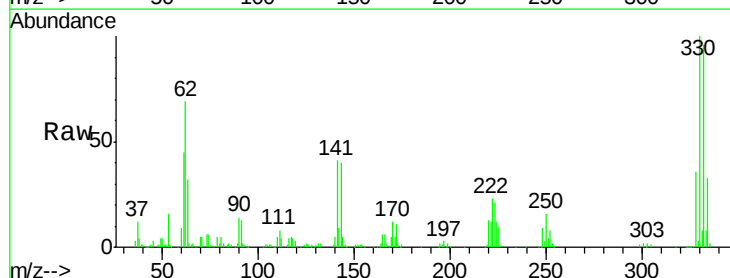
Tgt Ion:330 Resp: 248686

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

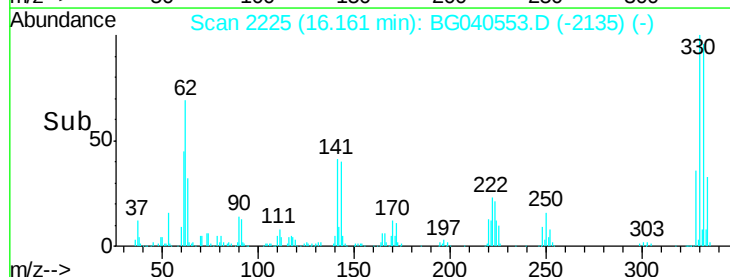
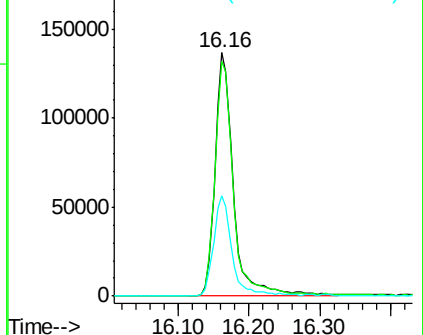
141 40.9 32.6 48.8



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: 90.027 ng

RT: 13.29 min Scan# 1737

Delta R.T. -0.00 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

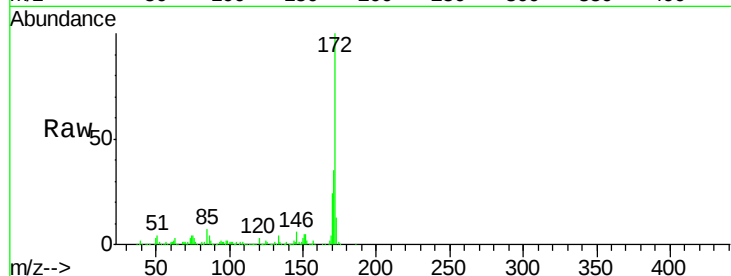
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 797945

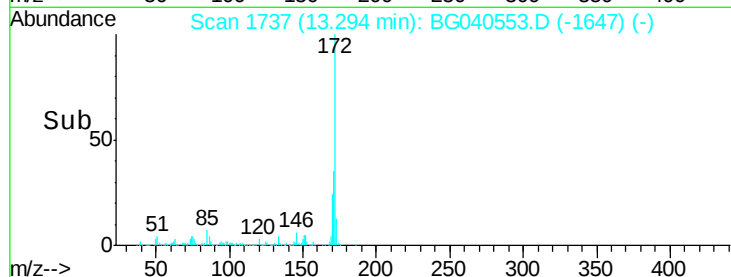
Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.5	45.7
170	23.5	20.1	30.1



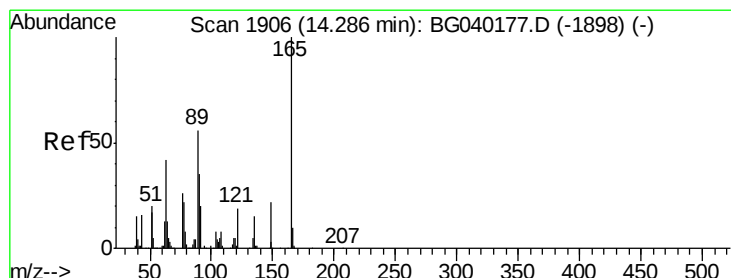
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#51

2,6-Dinitrotoluene

Concen: 7.308 ng

RT: 14.67 min Scan# 1972

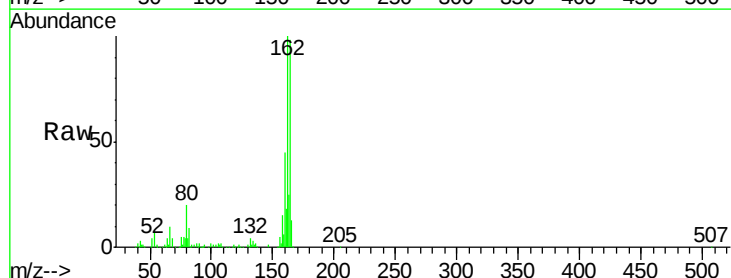
Delta R.T. 0.41 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

Tgt Ion:165 Resp: 16867

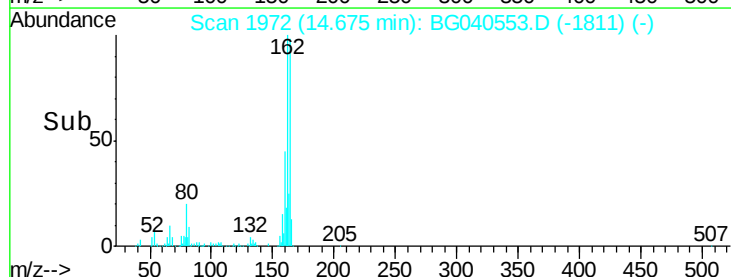
Ion	Ratio	Lower	Upper
165	100		
63	3.0	44.1	66.1#
89	2.2	44.9	67.3#



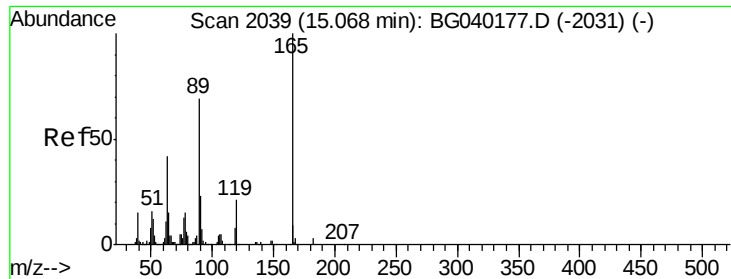
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->



#57

2,4-Dinitrotoluene

Concen: 5.260 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.37 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 16867

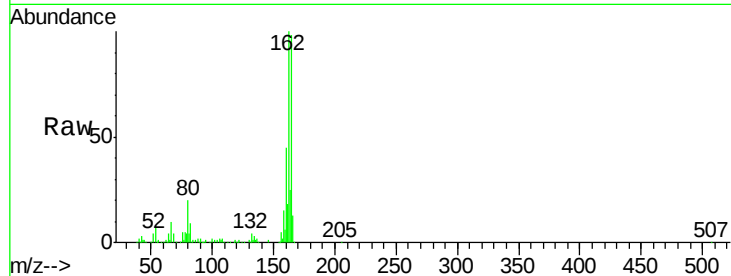
Ion Ratio Lower Upper

165 100

63 3.0 33.8 50.6#

89 2.2 55.4 83.2#

182 0.0 2.2 3.4#

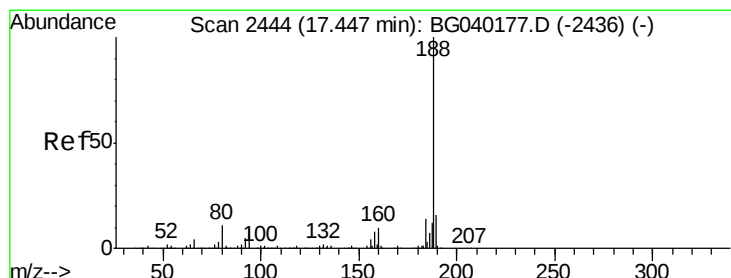
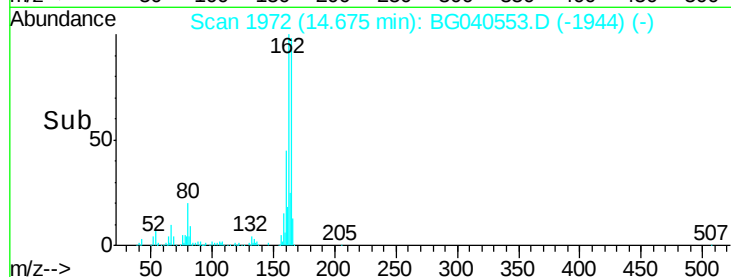
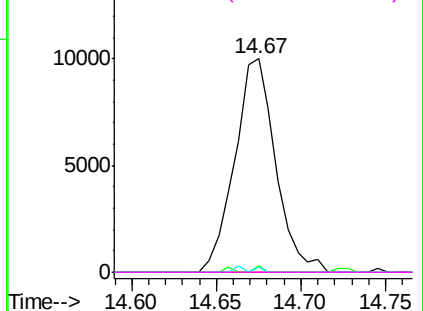


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

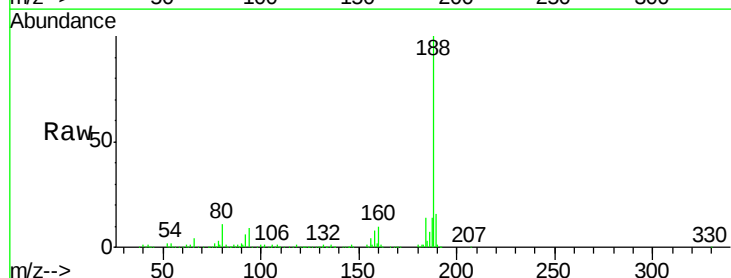
Tgt Ion:188 Resp: 349544

Ion Ratio Lower Upper

188 100

94 9.4 7.0 10.4

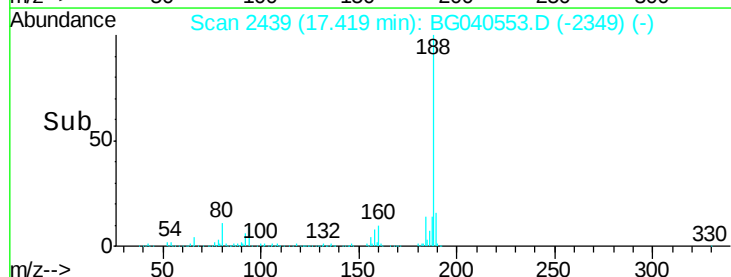
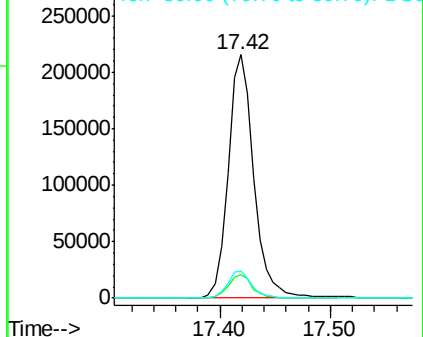
80 11.4 8.6 13.0



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

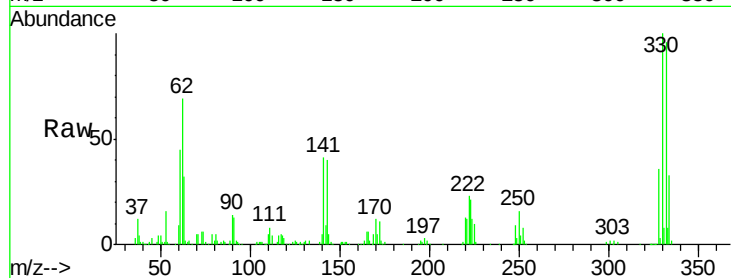




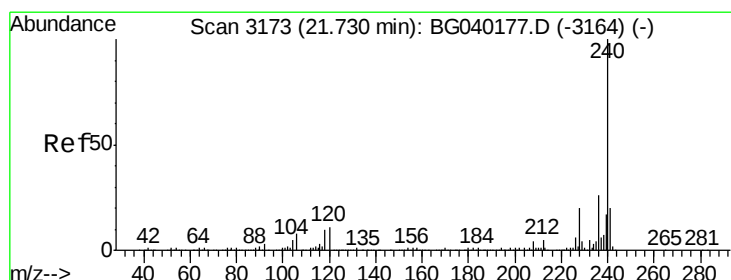
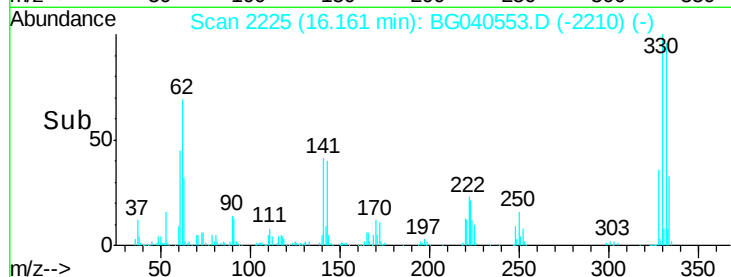
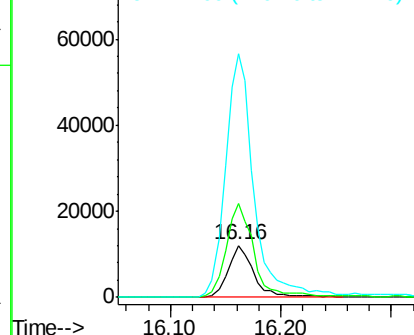
#67
 4-Bromophenyl-phenylether
 Concen: 5.046 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG040553.D
 Acq: 18 Apr 2019 6:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19849
 Ion Ratio Lower Upper
 248 100
 250 179.4 76.4 114.6#
 141 468.0 53.8 80.8#

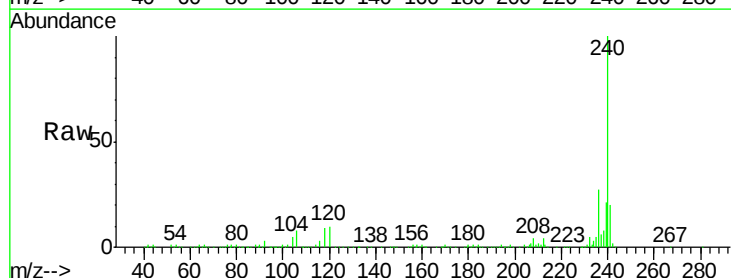


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

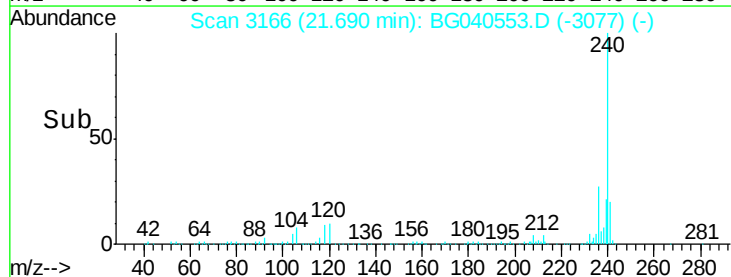
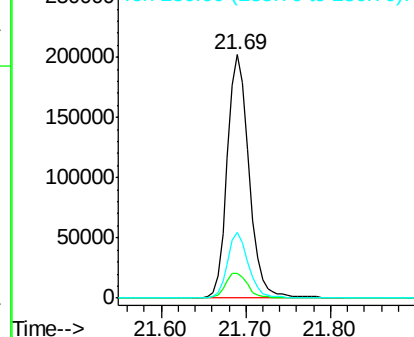


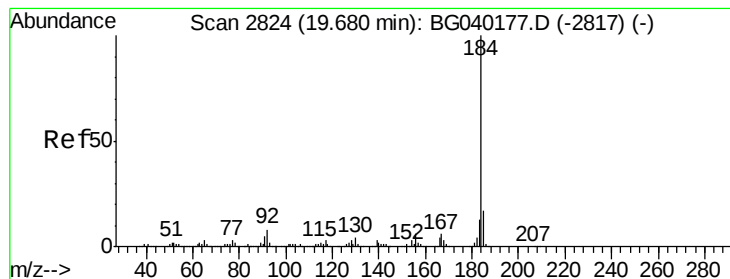
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG040553.D
 Acq: 18 Apr 2019 6:34

Tgt Ion:240 Resp: 359684
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.4 12.6
 236 27.0 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





#77

Benzidine

Concen: 2.003 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.36 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

Instrument :

BNA_G

ClientSampleId :

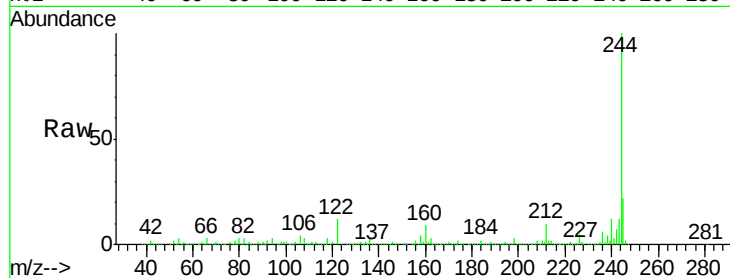
Tot Ion:184 Resp: 26020

Ion Ratio Lower Upper

184 100

185 16.6 13.3 19.9

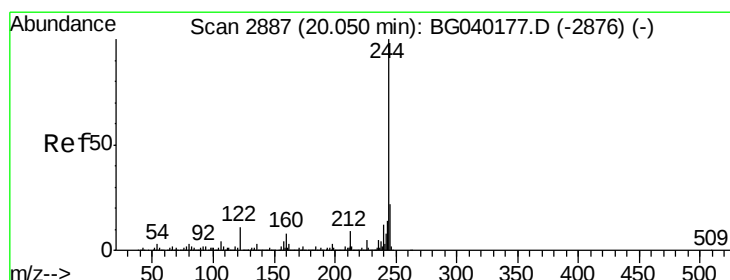
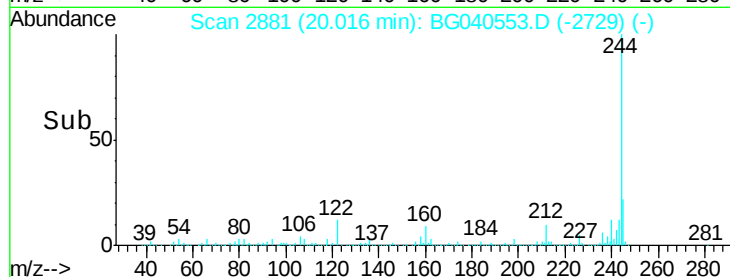
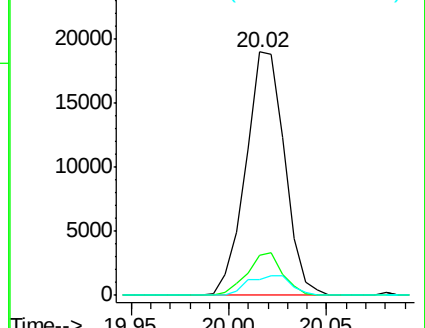
183 6.5 10.3 15.5#



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: 94.649 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG040553.D

Acq: 18 Apr 2019 6:34

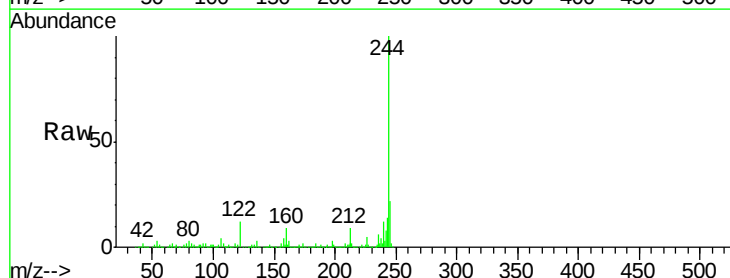
Tgt Ion:244 Resp: 1513281

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

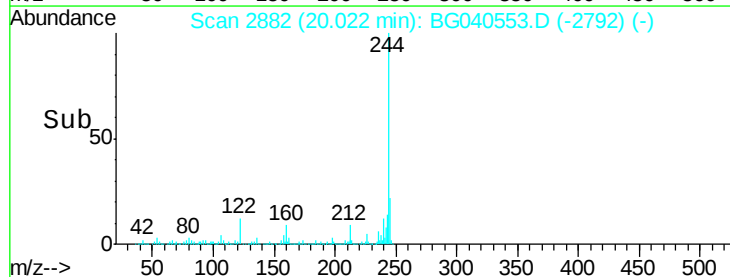
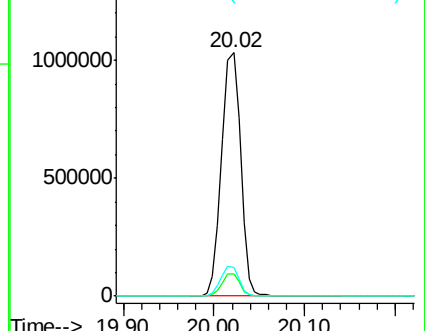
122 11.6 8.5 12.7

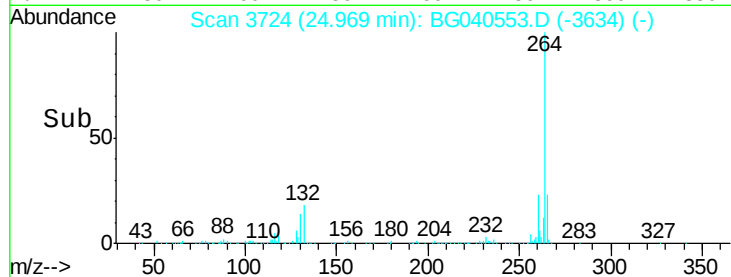
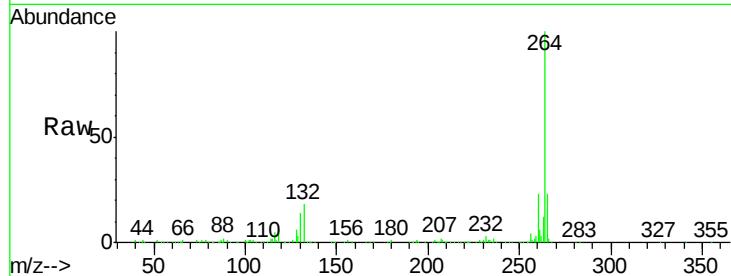
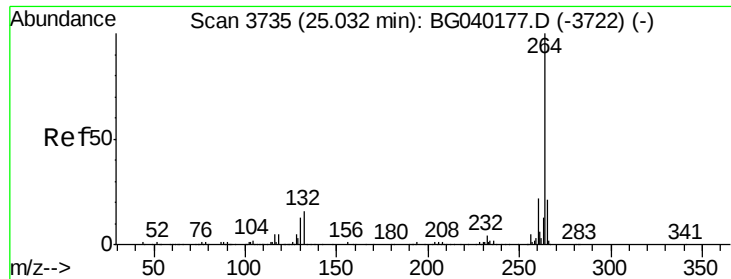


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.97 min Scan# 3724
Delta R.T. -0.00 min
Lab File: BG040553.D
Acq: 18 Apr 2019 6:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.9	26.9
265	22.6	16.8	25.2

