

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040746.D
 Acq On : 4 May 2019 6:28
 Operator : JU/SJ
 Sample : K2635-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-050219-C

Quant Time: May 05 23:12:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

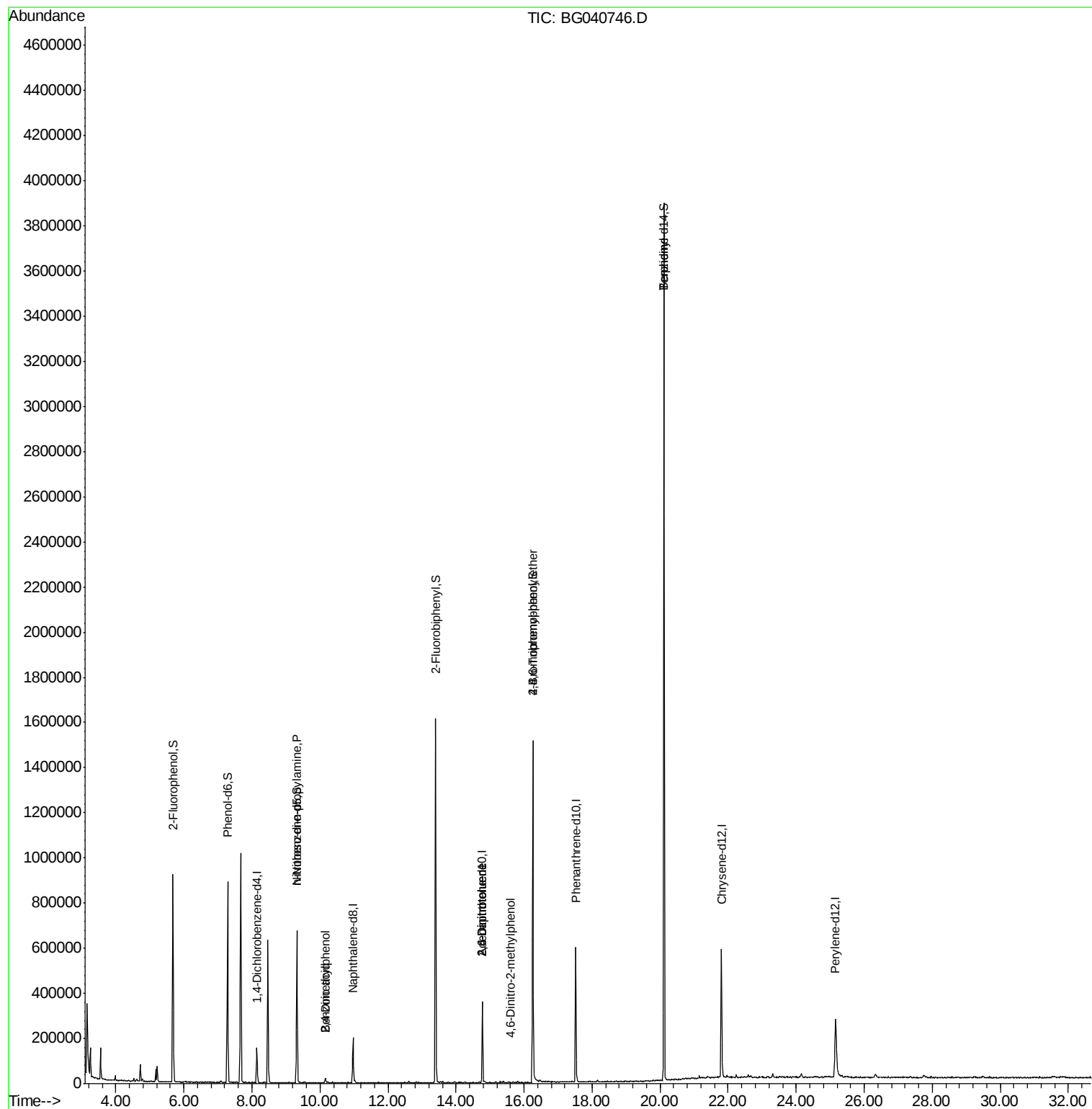
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	39027	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	156089	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	119554	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	366132	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	366368	20.00	ng	-0.02
87) Perylene-d12	25.16	264	349243	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	339784	153.47	ng	0.00
7) Phenol-d6	7.28	99	443416	130.08	ng	-0.01
23) Nitrobenzene-d5	9.32	82	387100	114.59	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	276130	168.03	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	796265	96.19	ng	-0.02
79) Terphenyl-d14	20.12	244	1857469	112.32	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1281	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.32	70	55614	18.124	ng	# 74
27) 2,4-Dimethylphenol	10.16	122	6556	2.705	ng	# 1
32) Benzoic acid	10.16	122	6556	3.951	ng	# 89
51) 2,6-Dinitrotoluene	14.77	165	15546	7.963	ng	# 15
57) 2,4-Dinitrotoluene	14.77	165	15546	5.860	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.61	198	53	7.126	ng	# 28
67) 4-Bromophenyl-phenylether	16.26	248	21386	4.688	ng	# 1
77) Benzidine	20.11	184	33986	3.388	ng	# 91

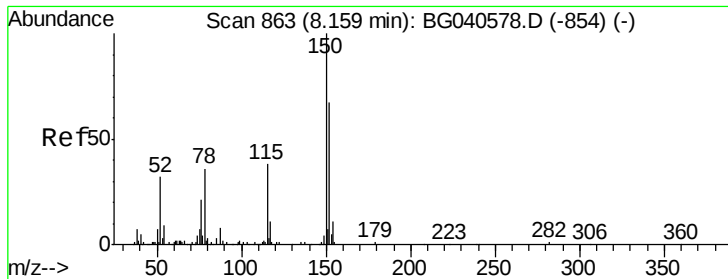
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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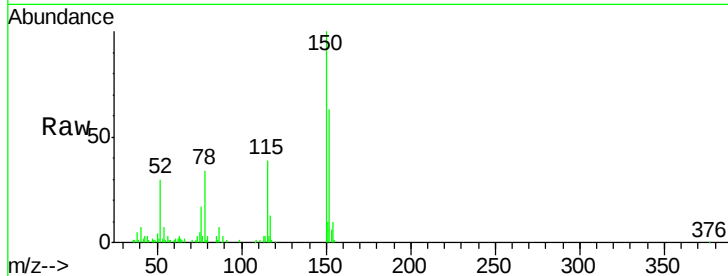


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

Instrument :
BNA_G
ClientSampleId :
AU-05-050219-C

Tot Ion	152	Resp	39027
Ion	Ratio	Lower	Upper
152	100		
150	157.7	120.2	180.2
115	62.0	46.2	69.2

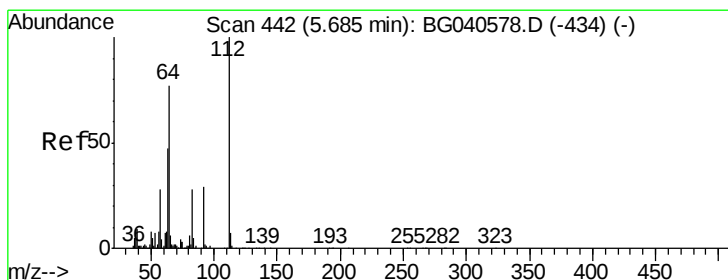
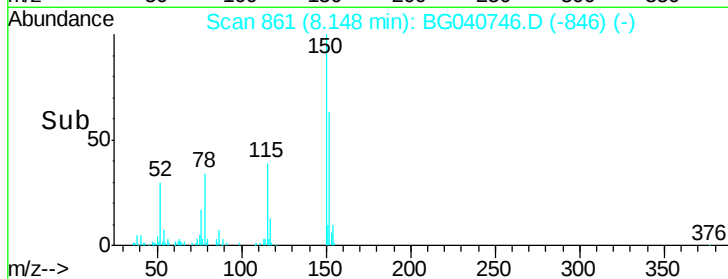
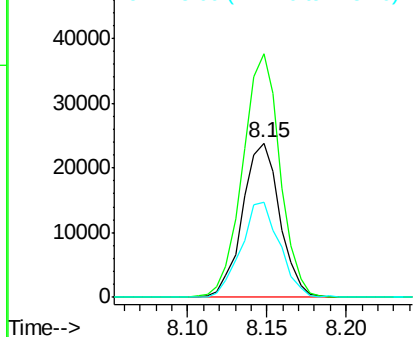


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

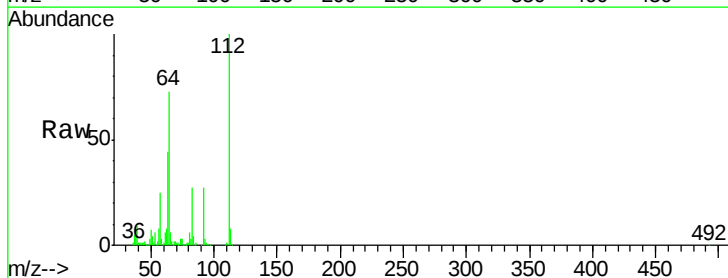
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 153.473 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

Tgt Ion	112	Resp	339784
Ion	Ratio	Lower	Upper
112	100		
64	73.2	61.4	92.0
63	43.7	37.8	56.6

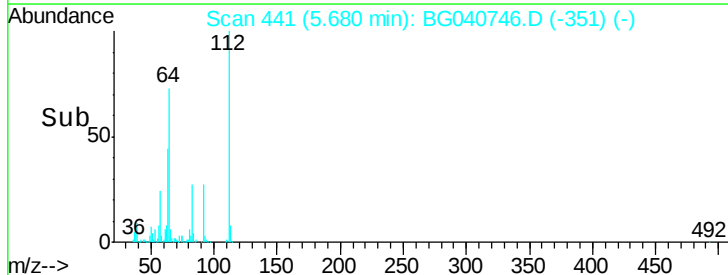
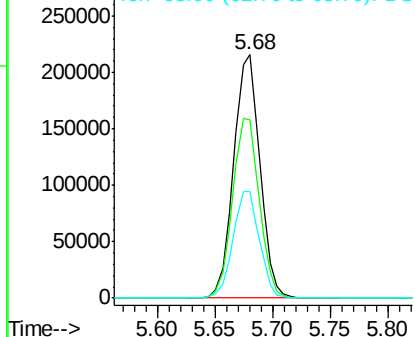


Abundance

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: 130.077 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-C

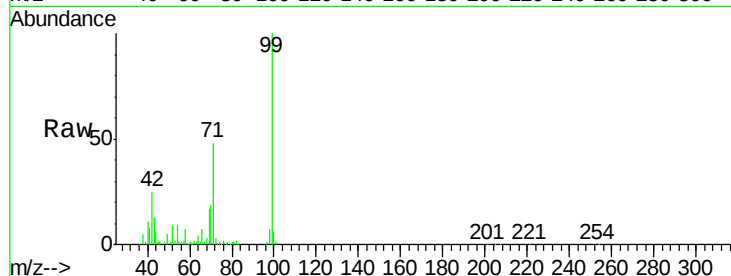
Tot Ion: 99 Resp: 443416

Ion Ratio Lower Upper

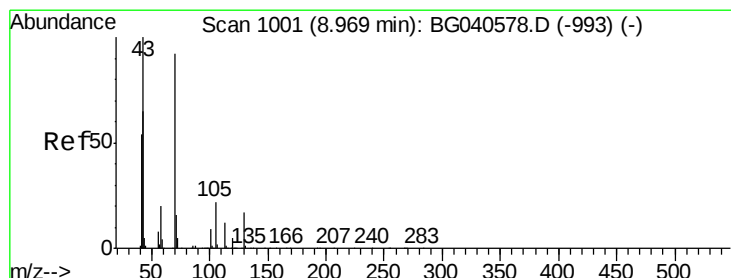
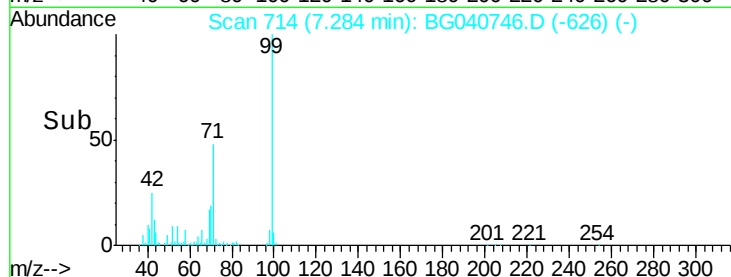
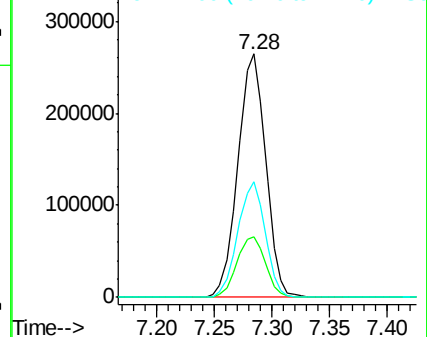
99 100

42 24.9 21.8 32.8

71 47.7 38.6 57.8



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: 18.124 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

Tgt Ion: 70 Resp: 55614

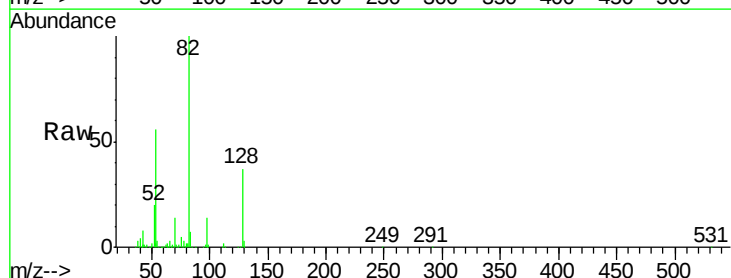
Ion Ratio Lower Upper

70 100

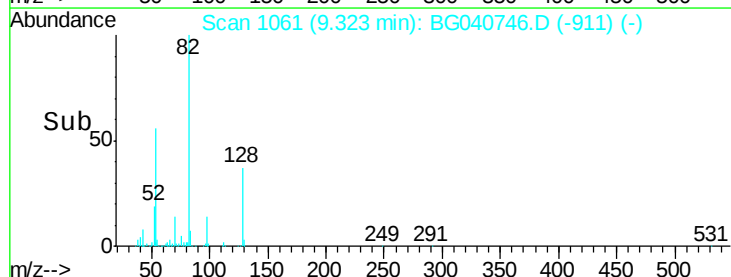
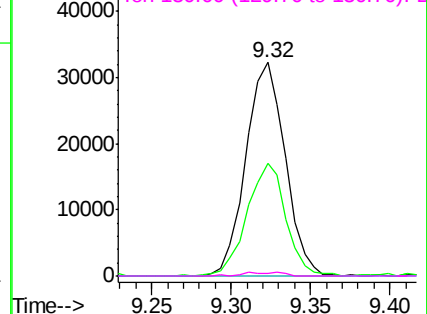
42 52.9 57.1 85.7#

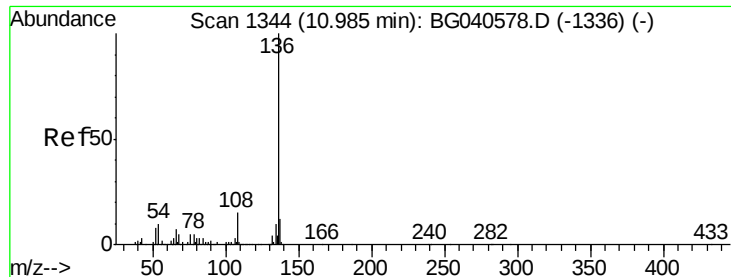
101 0.0 7.8 11.8#

130 1.5 14.6 21.8#



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

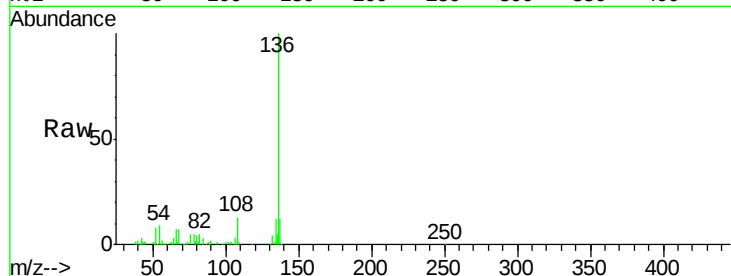




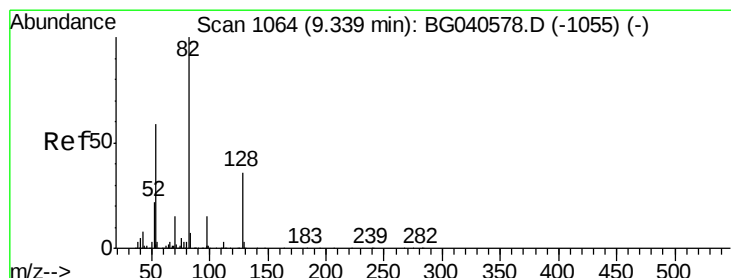
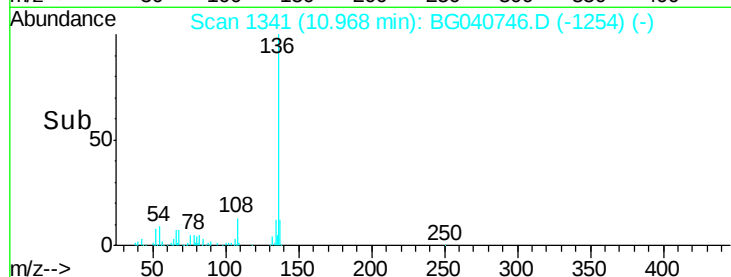
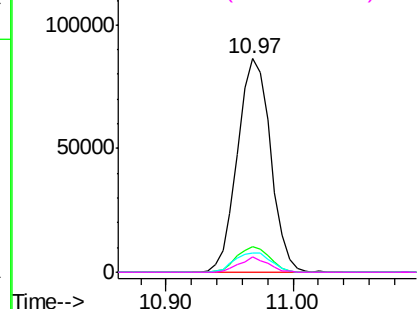
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

Instrument :
BNA_G
ClientSampleId :
AU-05-050219-C

Tot Ion:136	Resp:	156089	
Ion Ratio	Lower	Upper	
136 100			
137 11.8	9.7	14.5	
54 9.0	8.6	12.8	
68 7.1	4.8	7.2	

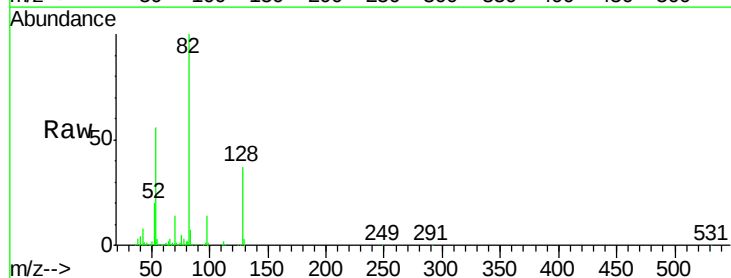


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

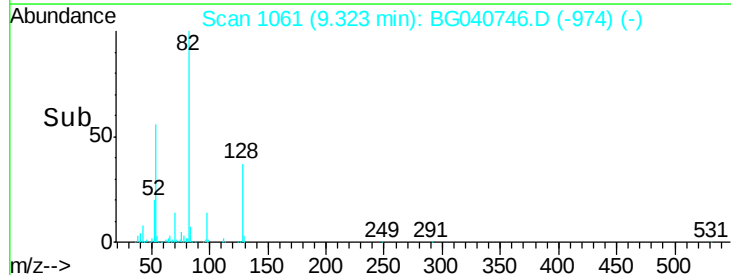
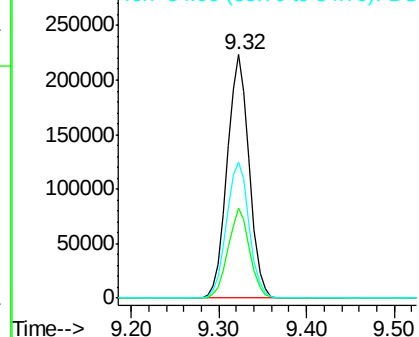


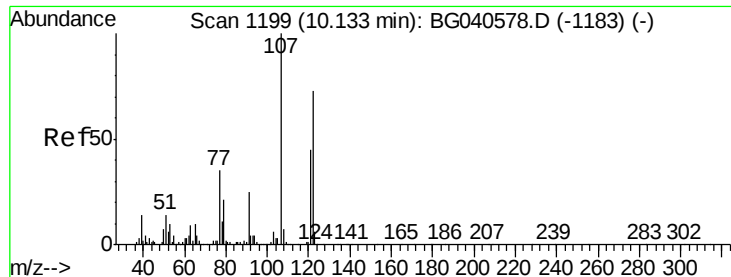
#23
Nitrobenzene-d5
Concen: 114.591 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

Tgt Ion: 82	Resp: 387100
Ion Ratio	Lower Upper
82 100	
128 36.9	28.9 43.3
54 55.9	47.2 70.8



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

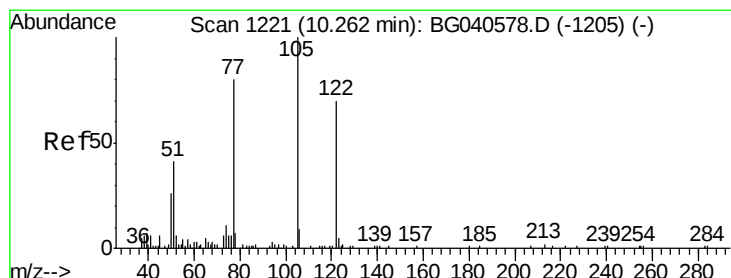
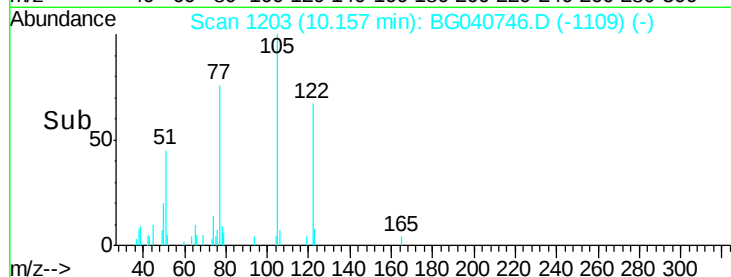
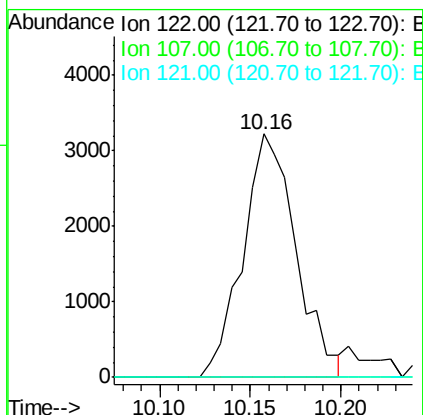
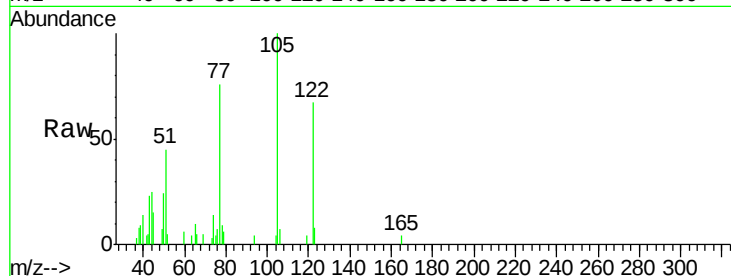




#27
2,4-Dimethylphenol
Concen: 2.705 ng
RT: 10.16 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

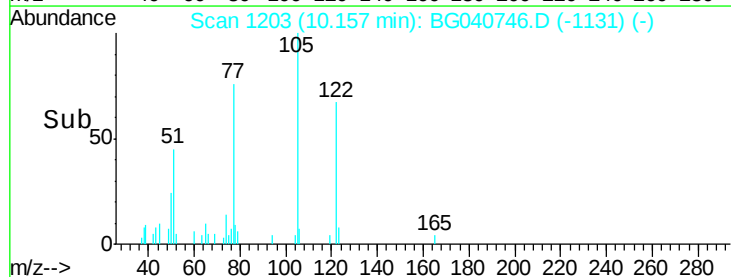
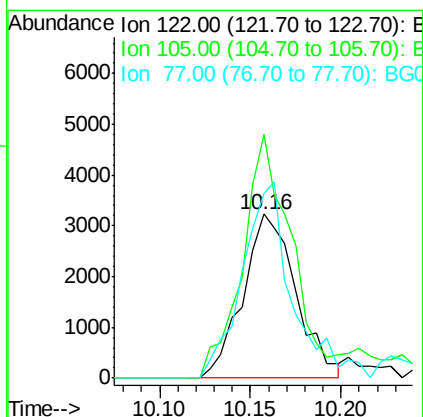
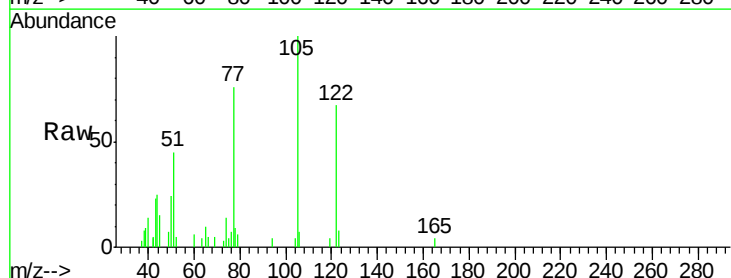
Instrument :
BNA_G
ClientSampleId :
AU-05-050219-C

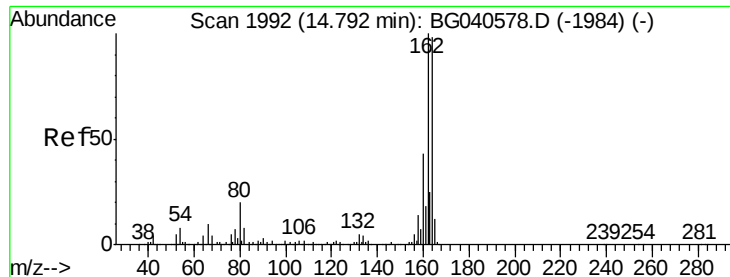
Tot Ion:122 Resp: 6556
Ion Ratio Lower Upper
122 100
107 0.0 110.1 165.1#
121 0.0 49.4 74.0#



#32
Benzoic acid
Concen: 3.951 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.10 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

Tgt Ion:122 Resp: 6556
Ion Ratio Lower Upper
122 100
105 148.6 110.9 150.9
77 113.0 87.6 127.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-C

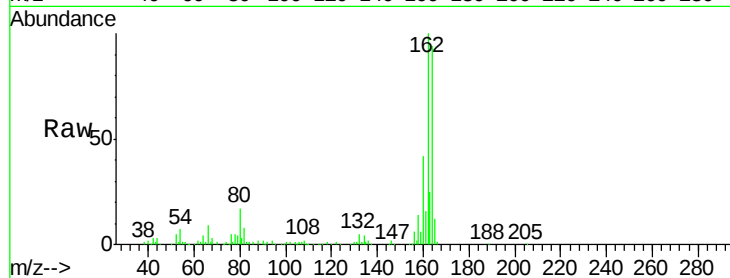
Tot Ion:164 Resp: 119554

Ion Ratio Lower Upper

164 100

162 106.5 81.9 122.9

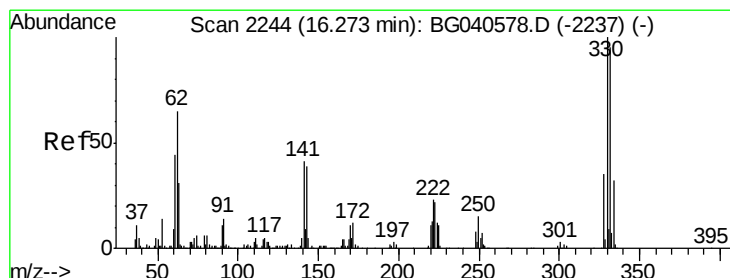
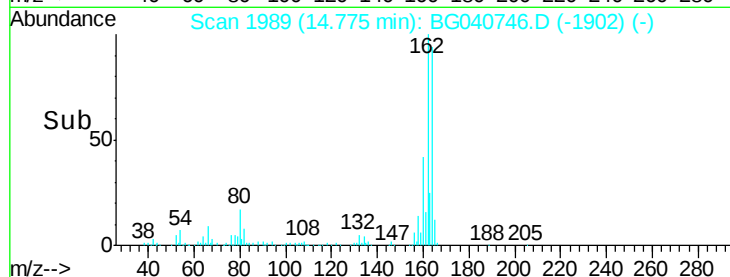
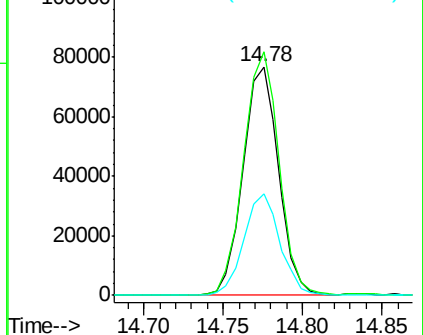
160 44.3 35.4 53.2



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: 168.034 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

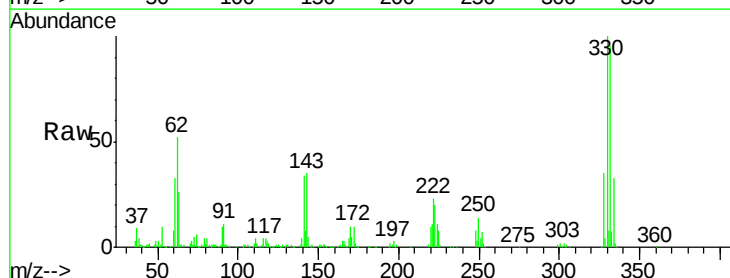
Tgt Ion:330 Resp: 276130

Ion Ratio Lower Upper

330 100

332 94.4 75.9 113.9

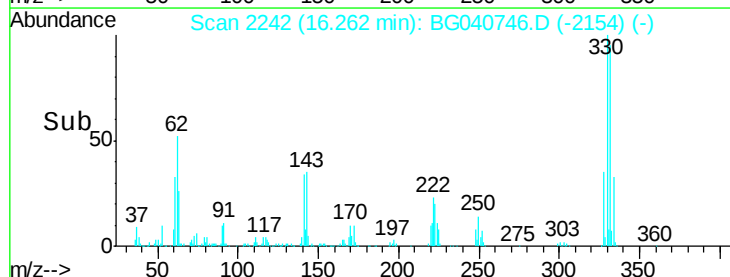
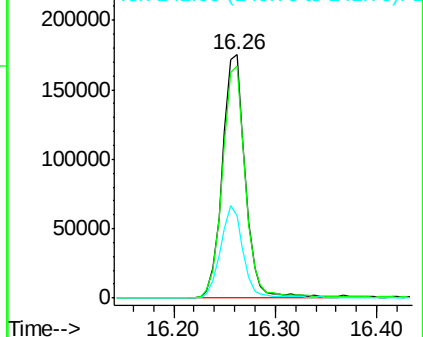
141 36.5 32.4 48.6

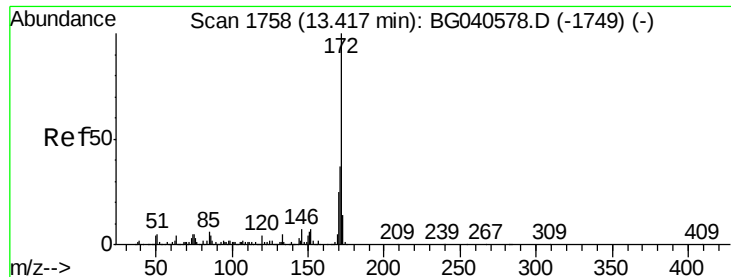


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

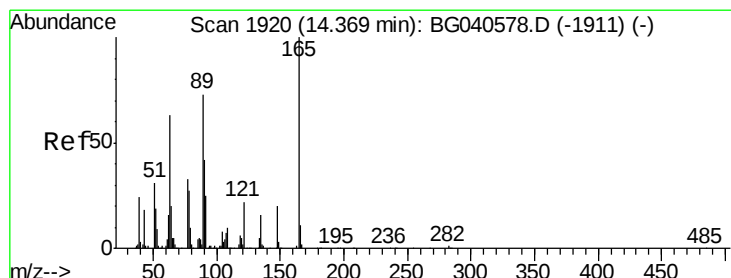
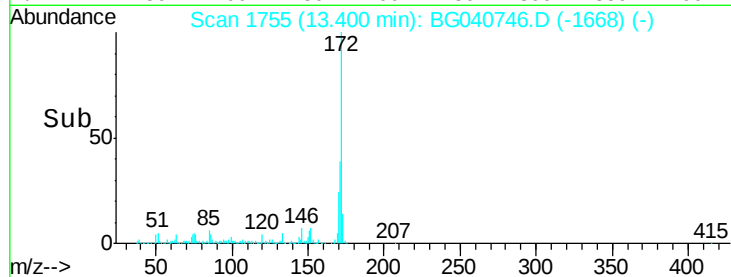
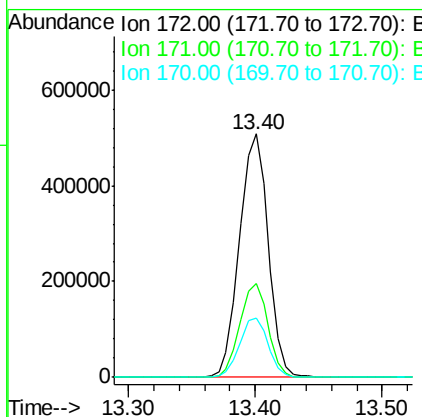
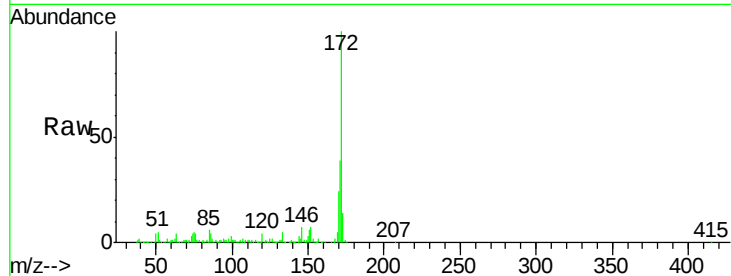




#45
2-Fluorobiphenyl
Concen: 96.188 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

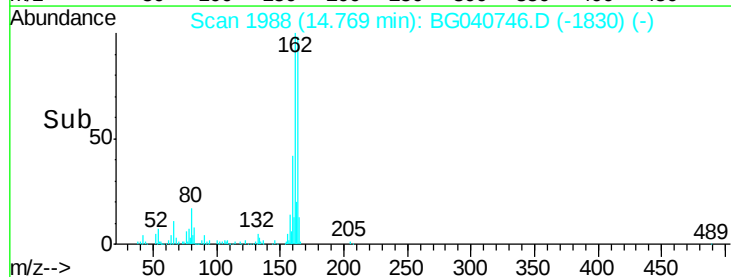
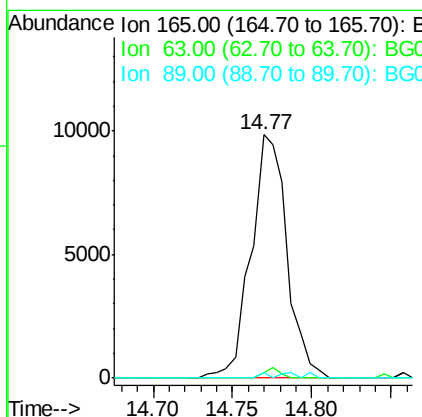
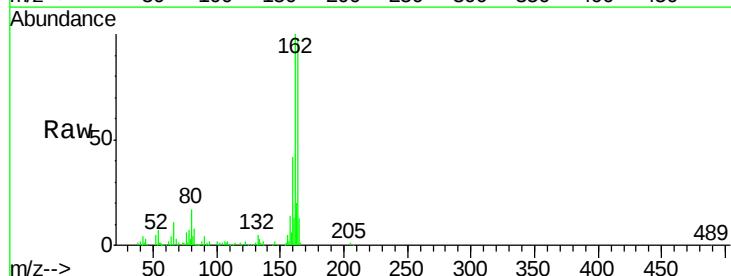
Instrument :
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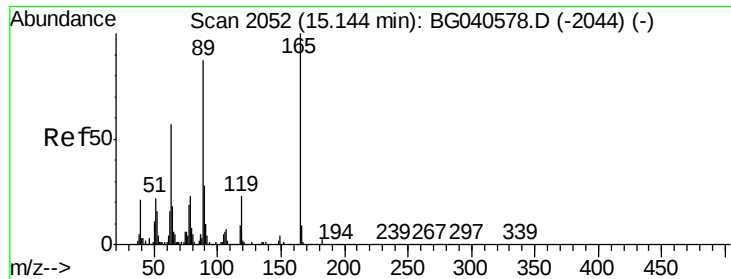
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.4	44.2
170	24.5	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 7.963 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	61.0	91.4#
89	2.3	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.860 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-C

Tot Ion:165 Resp: 15546

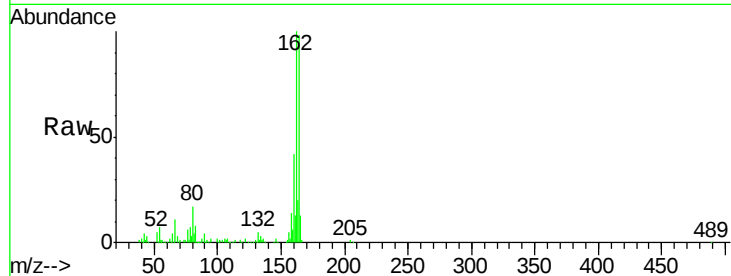
Ion Ratio Lower Upper

165 100

63 2.2 45.8 68.8#

89 2.3 69.4 104.2#

182 0.0 2.2 3.4#



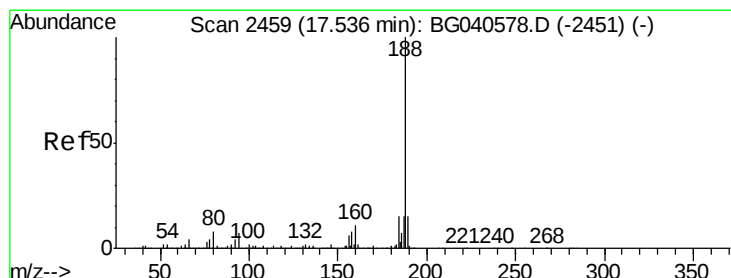
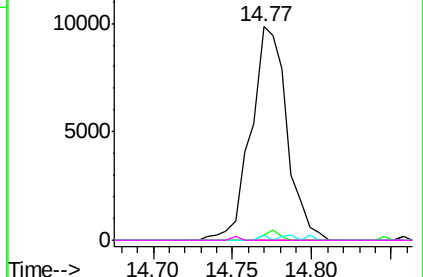
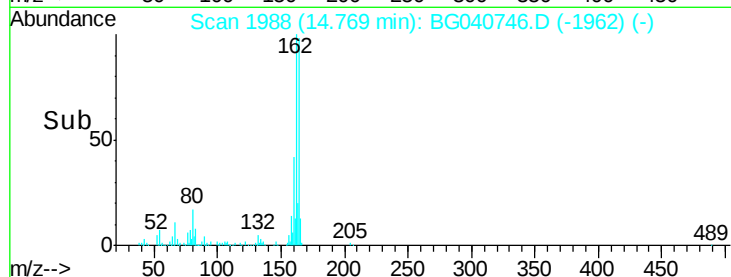
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

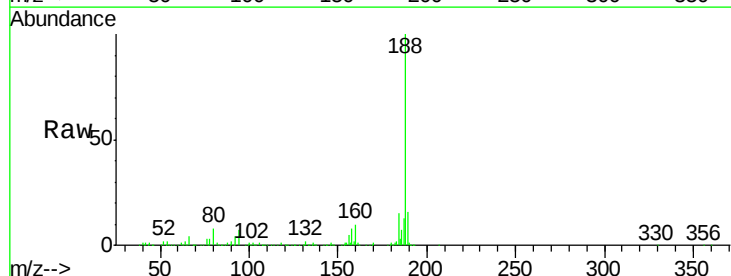
Tgt Ion:188 Resp: 366132

Ion Ratio Lower Upper

188 100

94 6.6 5.6 8.4

80 8.0 6.4 9.6

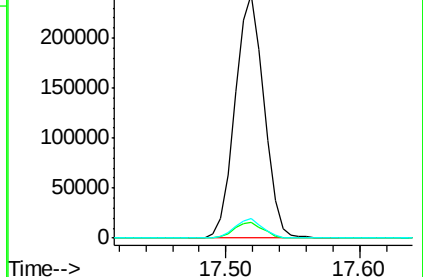
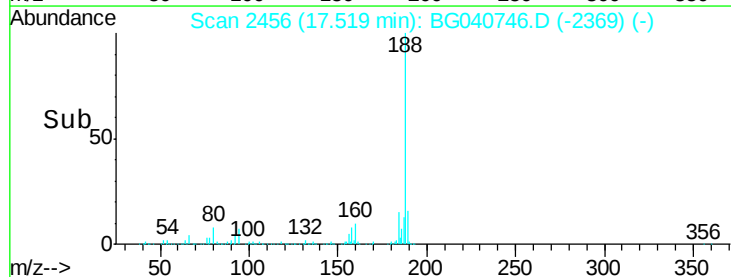


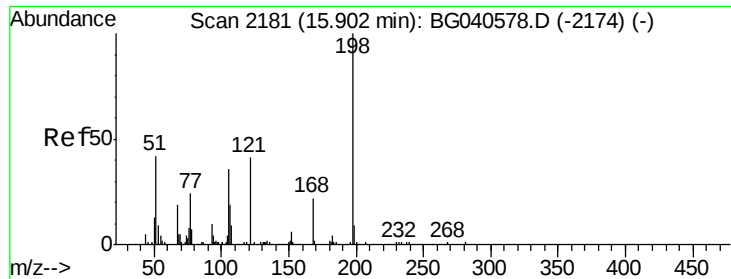
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->





#65

4,6-Dinitro-2-methylphenol

Concen: 7.126 ng

RT: 15.61 min Scan# 2131

Delta R.T. -0.29 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-C

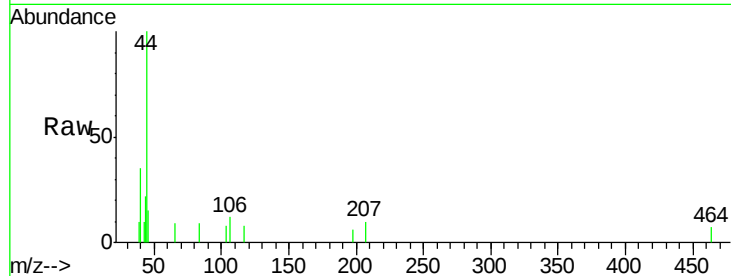
Tot Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

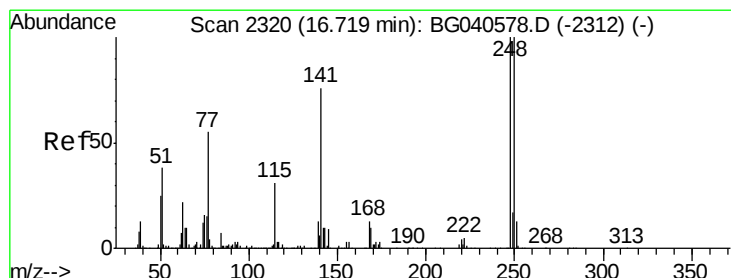
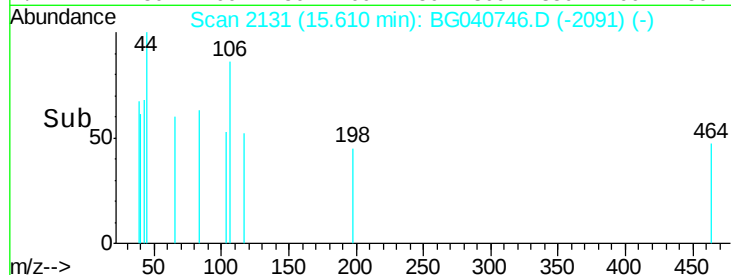
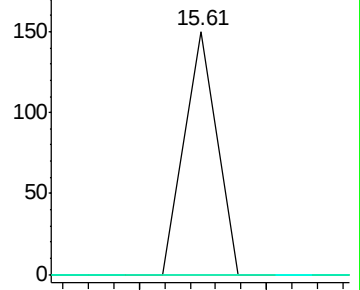
105 0.0 21.2 61.2#



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: 4.688 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

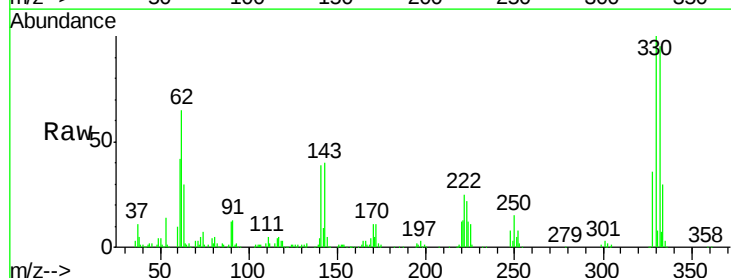
Tgt Ion:248 Resp: 21386

Ion Ratio Lower Upper

248 100

250 177.5 79.8 119.6#

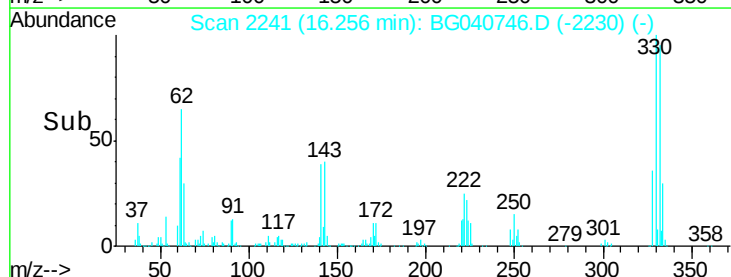
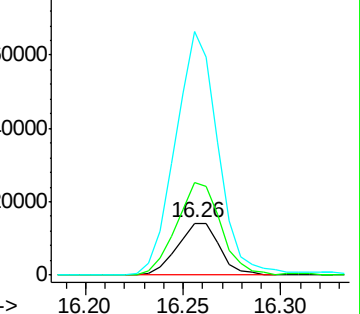
141 469.8 60.8 91.2#

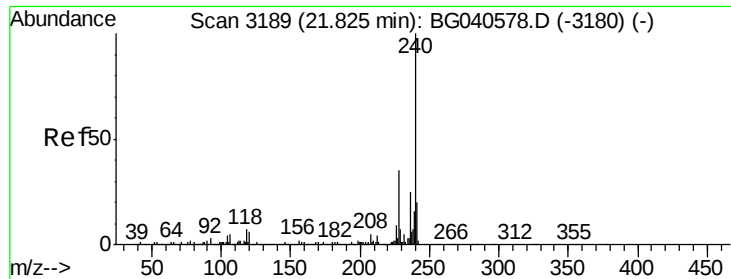


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

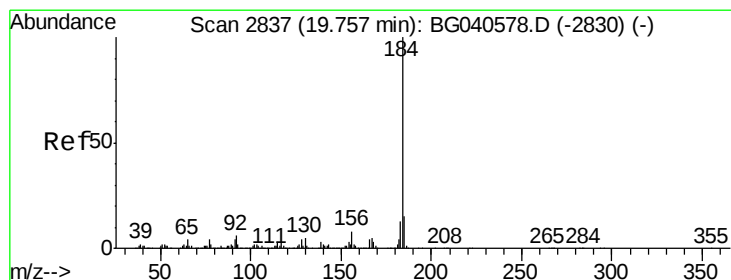
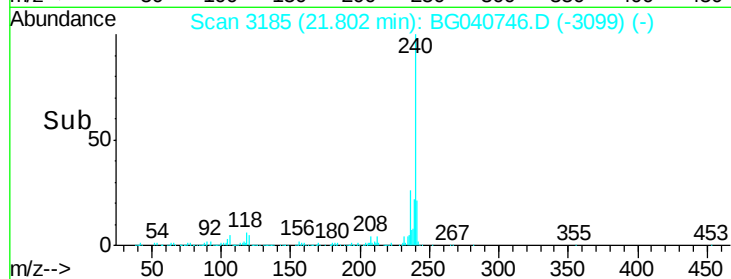
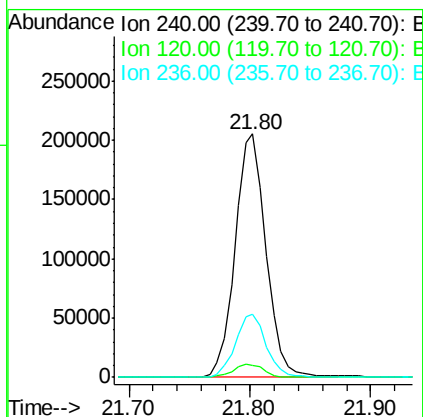
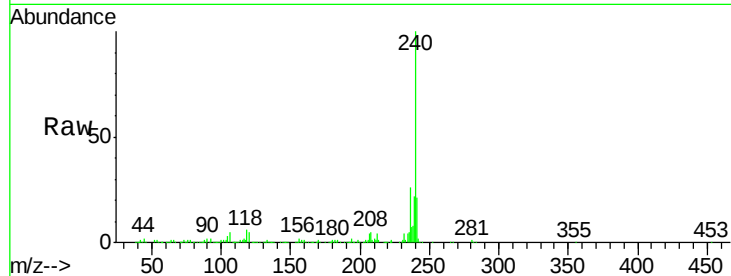




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.02 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

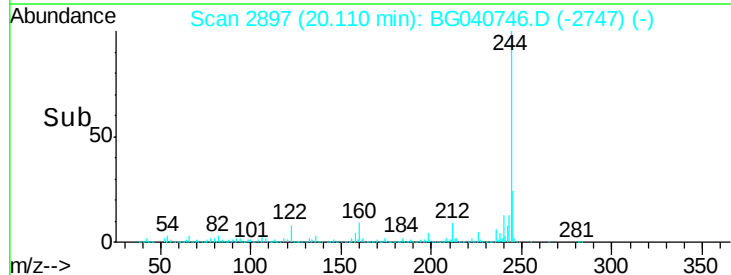
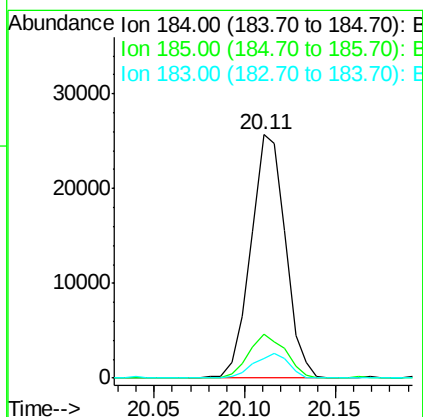
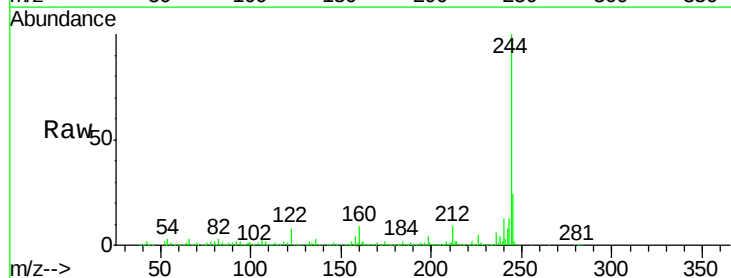
Instrument :
BNA_G
ClientSampleId :
AU-05-050219-C

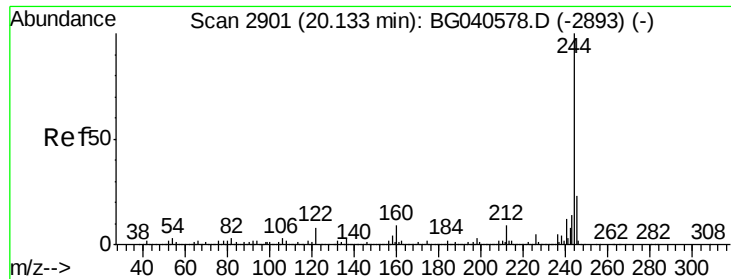
Tot Ion:240 Resp: 366368
Ion Ratio Lower Upper
240 100
120 5.0 5.0 7.6#
236 25.8 20.3 30.5



#77
Benzidine
Concen: 3.388 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040746.D
Acq: 4 May 2019 6:28

Tgt Ion:184 Resp: 33986
Ion Ratio Lower Upper
184 100
185 17.8 11.8 17.8#
183 8.3 10.2 15.2#





#79

Terphenyl-d14

Concen: 112.321 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-C

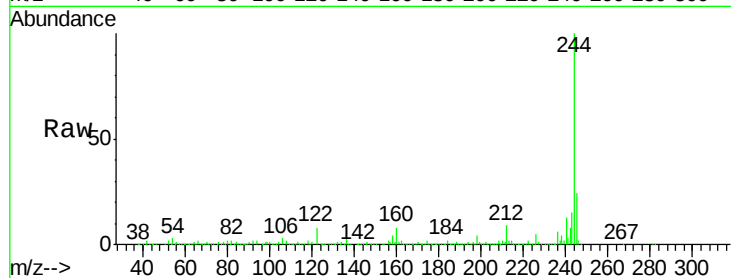
Tot Ion:244 Resp: 1857469

Ion Ratio Lower Upper

244 100

212 9.4 7.2 10.8

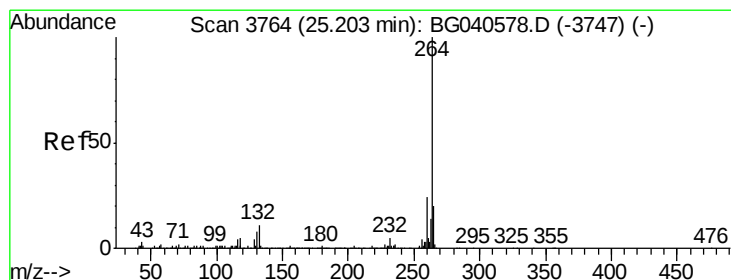
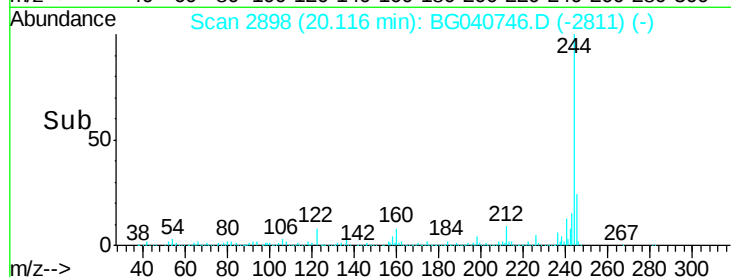
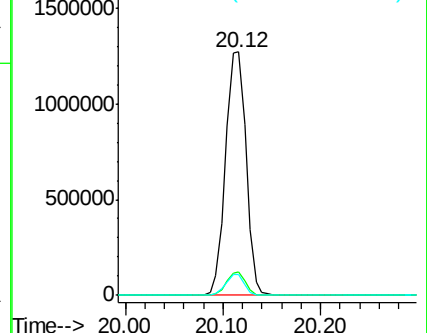
122 8.4 6.6 10.0



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: 25.16 min Scan# 3756

Delta R.T. -0.05 min

Lab File: BG040746.D

Acq: 4 May 2019 6:28

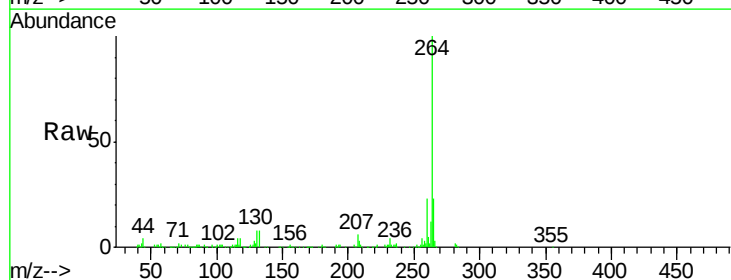
Tgt Ion:264 Resp: 349243

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 22.7 16.6 25.0



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

