

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\
 Data File : BG040713.D
 Acq On : 2 May 2019 19:00
 Operator : JU/SJ
 Sample : K2191-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-66-TP

Quant Time: May 03 04:23:38 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

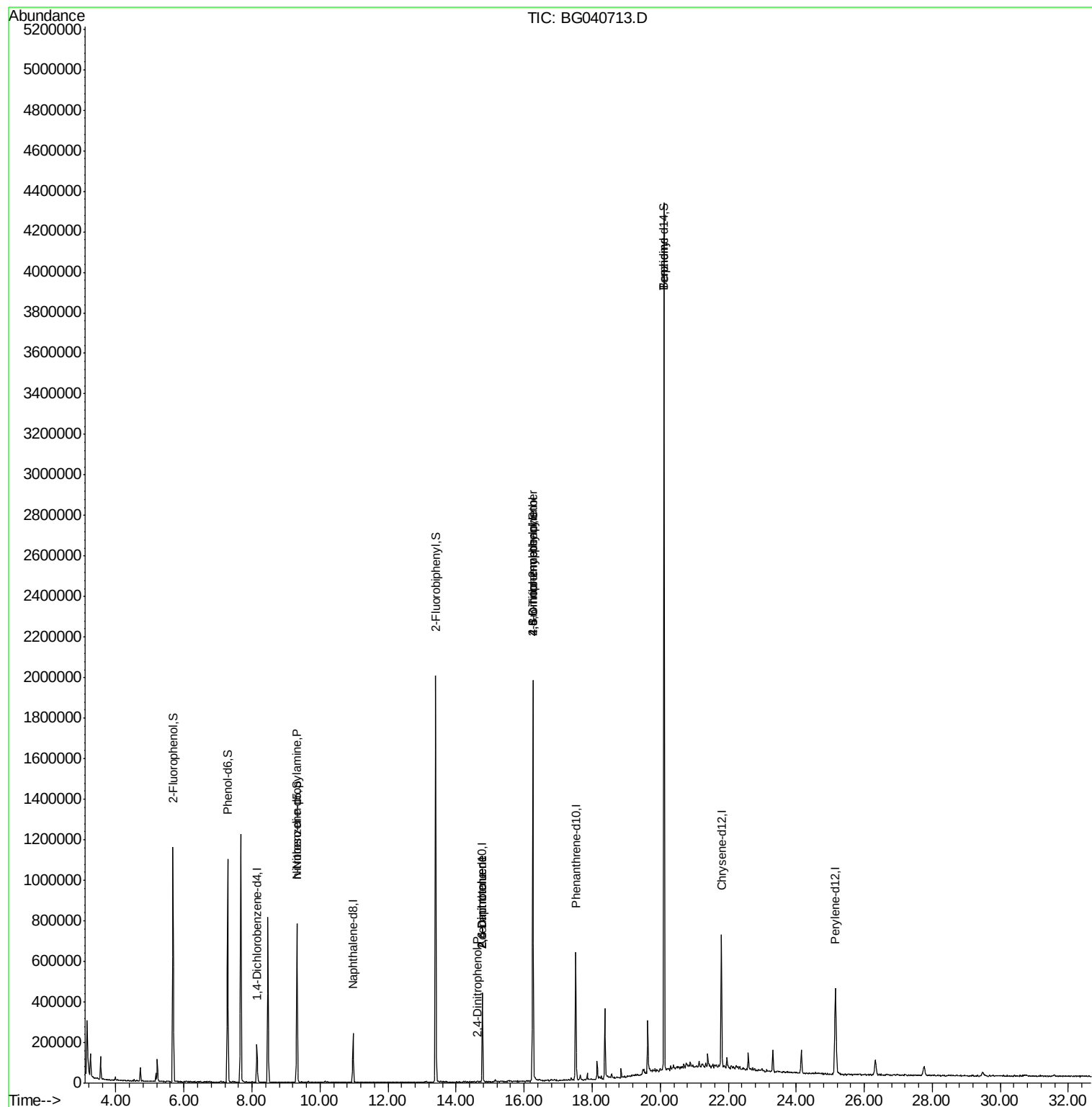
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	46592	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	188456	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	138421	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	384069	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	381555	20.00	ng	-0.02
87) Perylene-d12	25.16	264	409841	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	403479	152.65	ng	0.00
7) Phenol-d6	7.28	99	547866	134.62	ng	-0.01
23) Nitrobenzene-d5	9.32	82	459828	112.74	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	359265	188.83	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	962151	100.38	ng	-0.02
79) Terphenyl-d14	20.12	244	1909667	110.88	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.29	77	2340	Below Cal		Qvalue # 68
19) n-Nitroso-di-n-propylamine	9.32	70	68520	18.704 ng	#	76
51) 2,6-Dinitrotoluene	14.77	165	17933	7.934 ng	#	15
54) 2,4-Dinitrophenol	14.64	184	62	7.059 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	17933	5.839 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.25	198	1137	7.613 ng	#	1
67) 4-Bromophenyl-phenylether	16.25	248	26855	5.612 ng	#	1
77) Benzydine	20.12	184	37426	3.582 ng		98

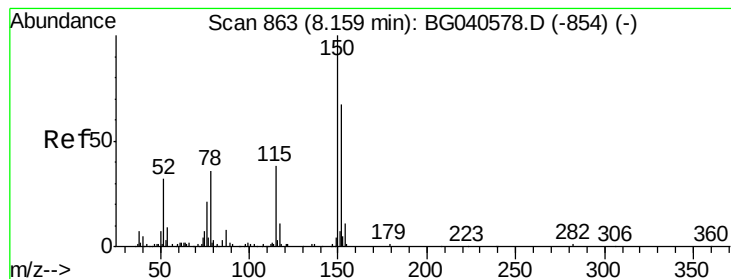
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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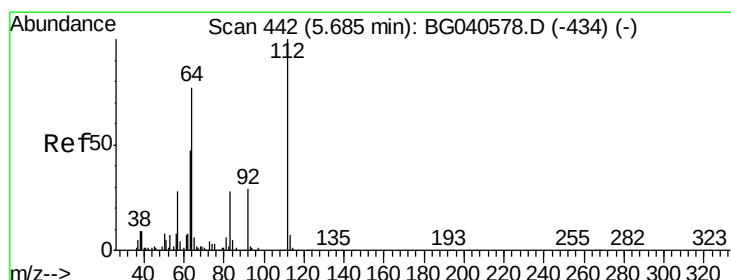
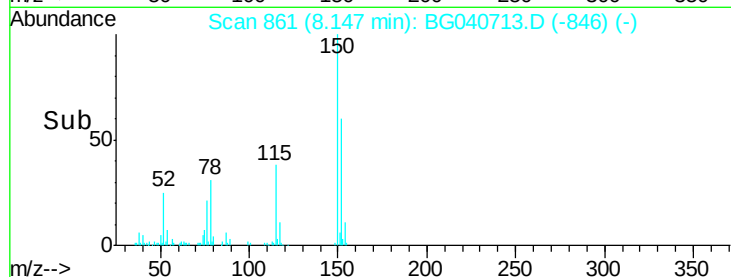
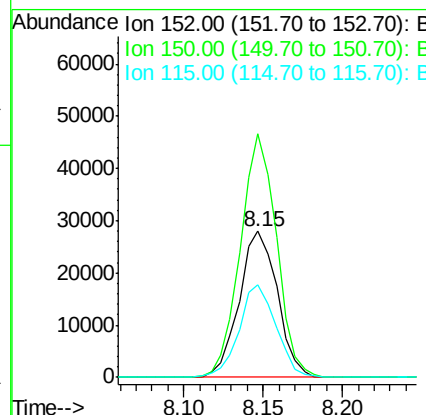
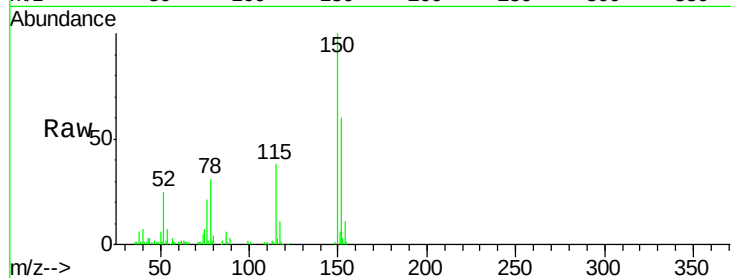


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040713.D
Acq: 2 May 2019 19:00

Instrument :
BNA_G
ClientSampleId :
P-66-TP

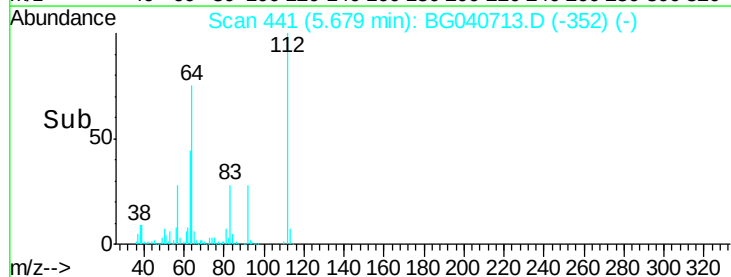
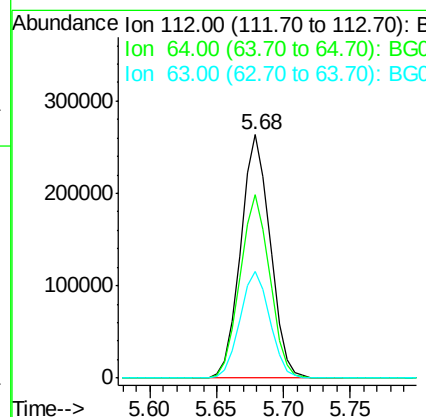
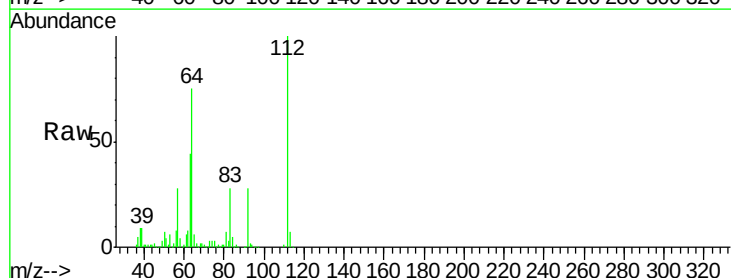
Tot Ion	152	Resp	46592
Ion	Ratio	Lower	Upper
152	100		
150	167.0	120.2	180.2
115	63.7	46.2	69.2

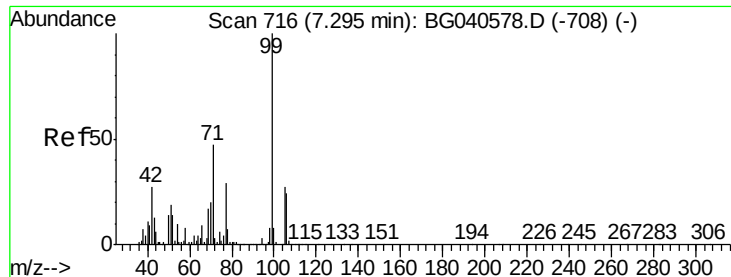


#5

2-Fluorophenol
Concen: 152.653 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040713.D
Acq: 2 May 2019 19:00

Tgt Ion	112	Resp	403479
Ion	Ratio	Lower	Upper
112	100		
64	75.4	61.4	92.0
63	43.6	37.8	56.6





#7

Phenol-d6

Concen: 134.622 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040713.D

Acq: 2 May 2019 19:00

Instrument :

BNA_G

ClientSampleId :

P-66-TP

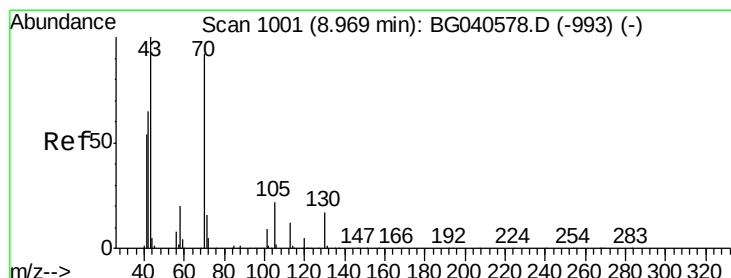
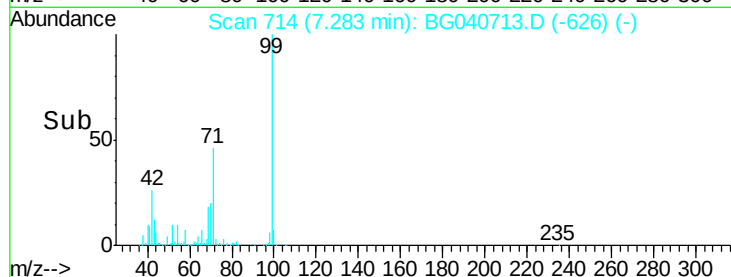
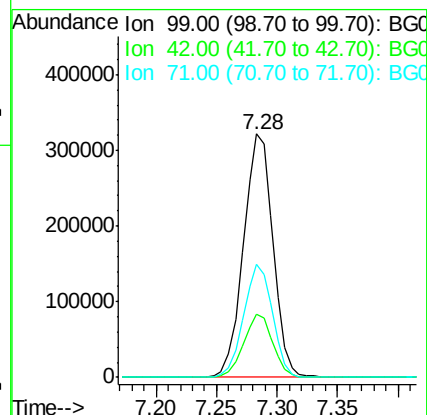
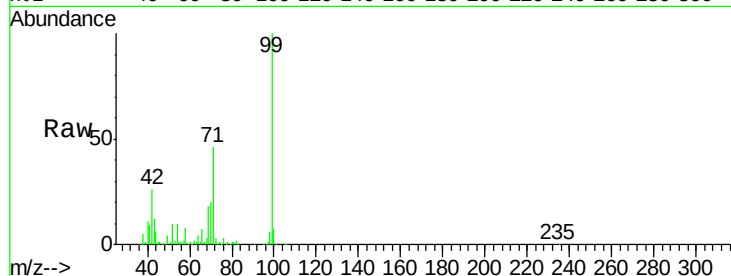
Tot Ion: 99 Resp: 547866

Ion Ratio Lower Upper

99 100

42 26.0 21.8 32.8

71 46.3 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 18.704 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040713.D

Acq: 2 May 2019 19:00

Tgt Ion: 70 Resp: 68520

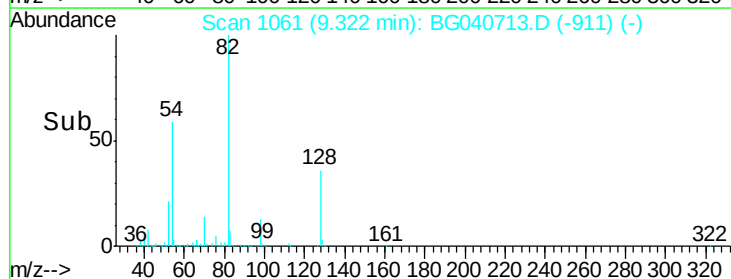
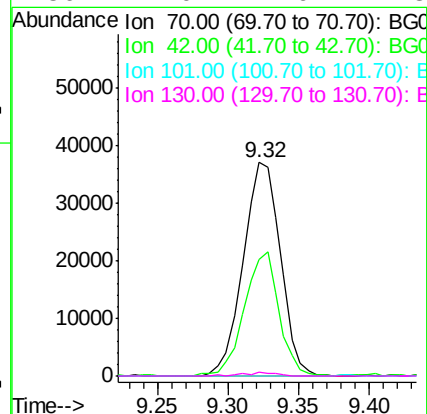
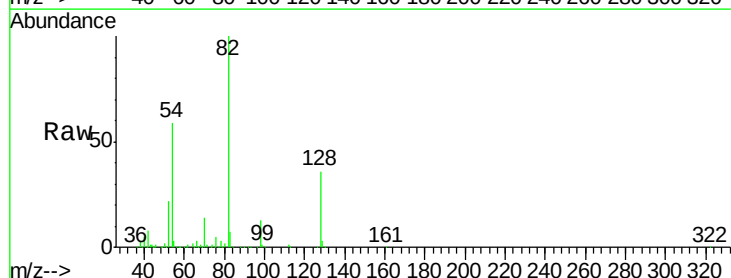
Ion Ratio Lower Upper

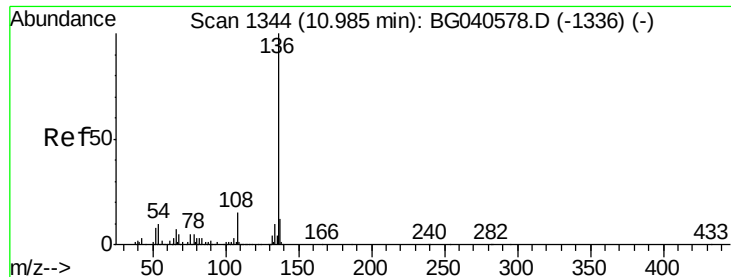
70 100

42 54.8 57.1 85.7#

101 0.0 7.8 11.8#

130 2.0 14.6 21.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG040713.D

Acq: 2 May 2019 19:00

Instrument :

BNA_G

ClientSampleId :

P-66-TP

Tot Ion:136 Resp: 188456

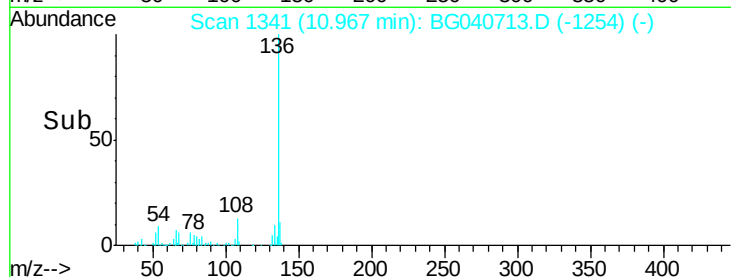
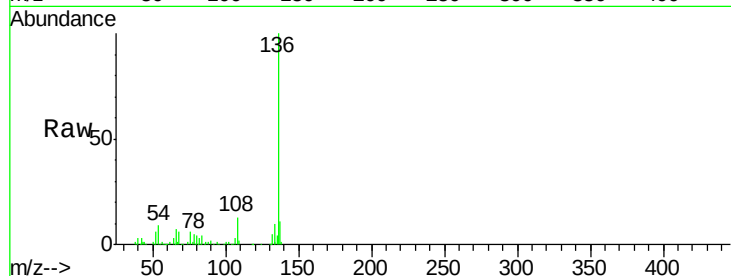
Ion Ratio Lower Upper

136 100

137 11.1 9.7 14.5

54 8.9 8.6 12.8

68 6.0 4.8 7.2

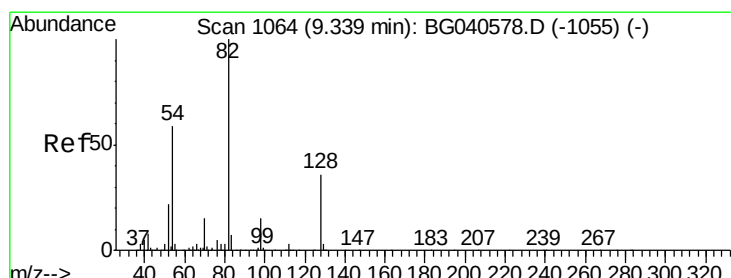
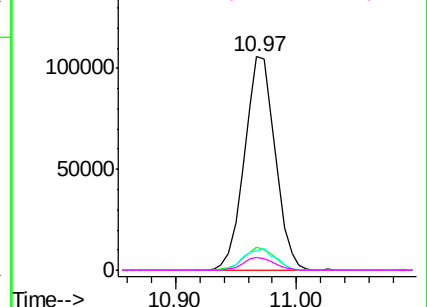


Abundance Ion 136.00 (135.70 to 136.70): E

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: 112.742 ng

RT: 9.32 min Scan# 1061

Delta R.T. -0.02 min

Lab File: BG040713.D

Acq: 2 May 2019 19:00

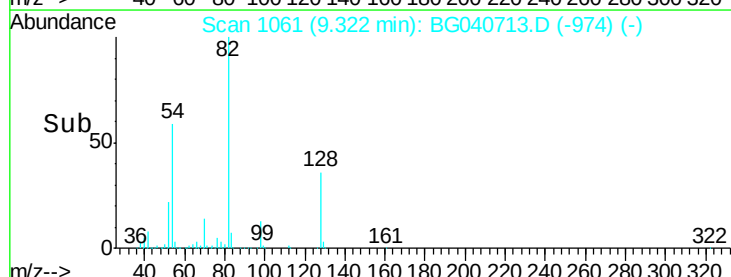
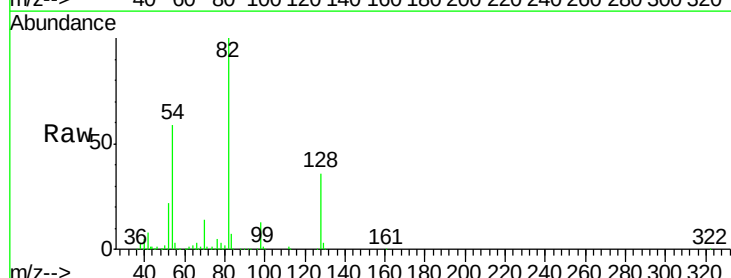
Tgt Ion: 82 Resp: 459828

Ion Ratio Lower Upper

82 100

128 35.9 28.9 43.3

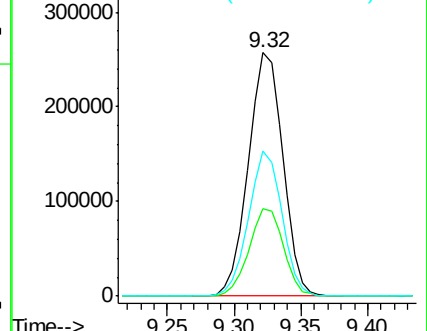
54 59.4 47.2 70.8

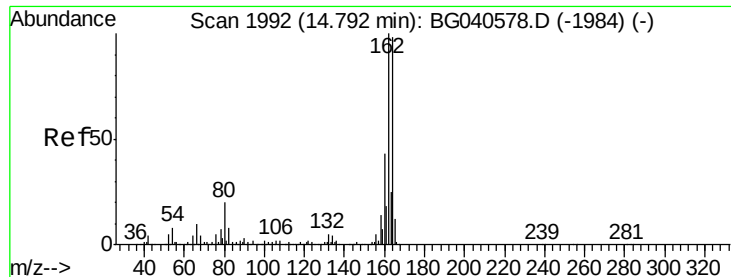


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040713.D

Acq: 2 May 2019 19:00

Instrument :

BNA_G

ClientSampleId :

P-66-TP

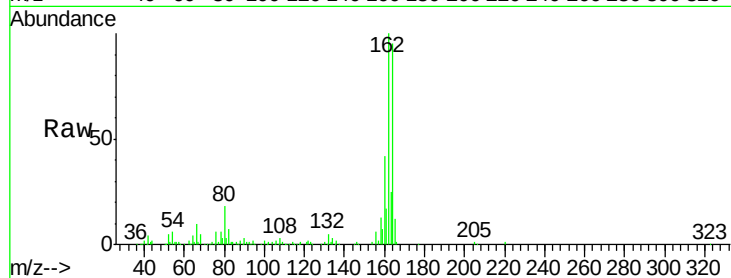
Tot Ion:164 Resp: 138421

Ion Ratio Lower Upper

164 100

162 104.7 81.9 122.9

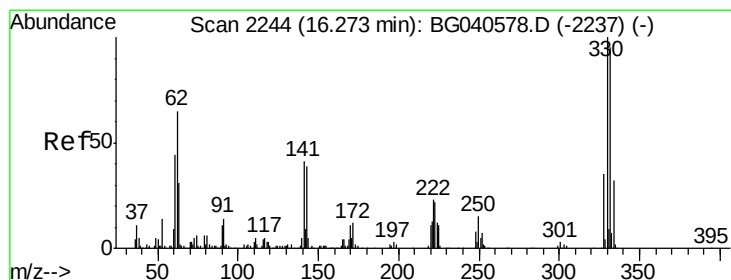
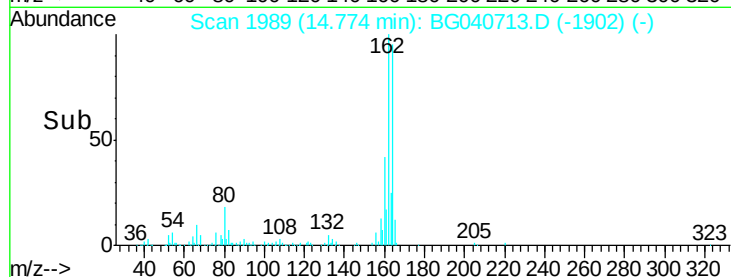
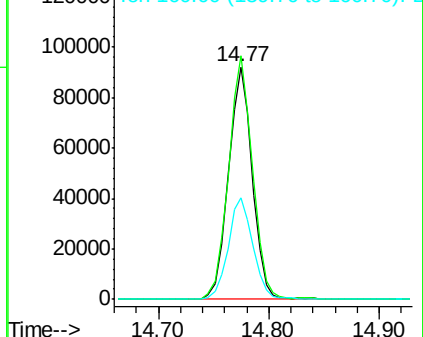
160 43.7 35.4 53.2



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: 188.826 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040713.D

Acq: 2 May 2019 19:00

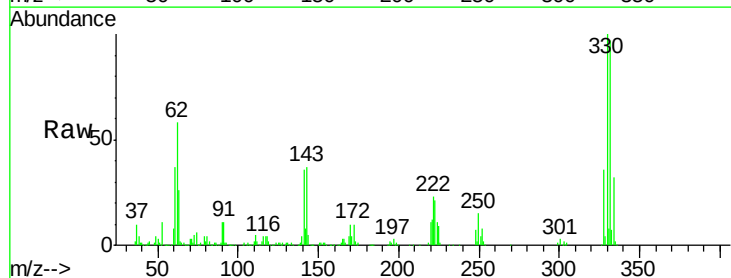
Tgt Ion:330 Resp: 359265

Ion Ratio Lower Upper

330 100

332 96.1 75.9 113.9

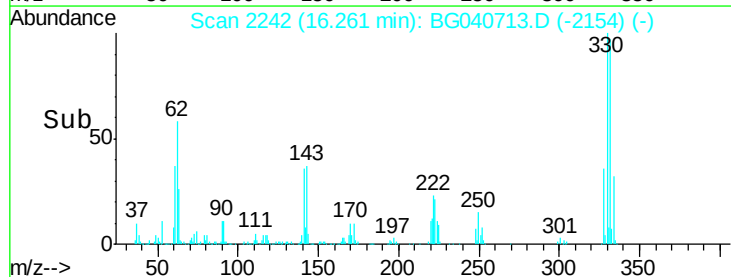
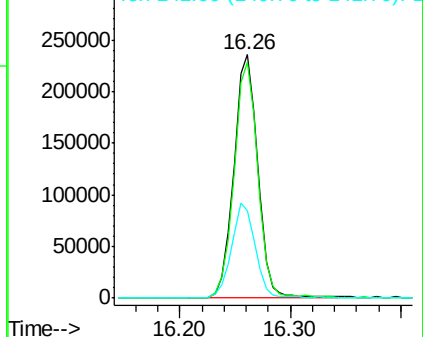
141 38.6 32.4 48.6

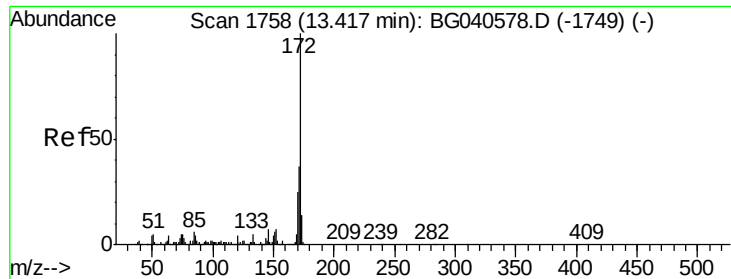


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

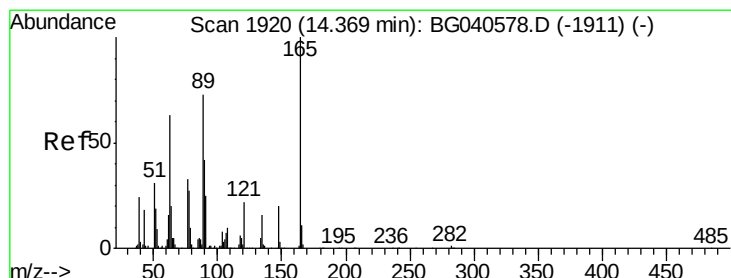
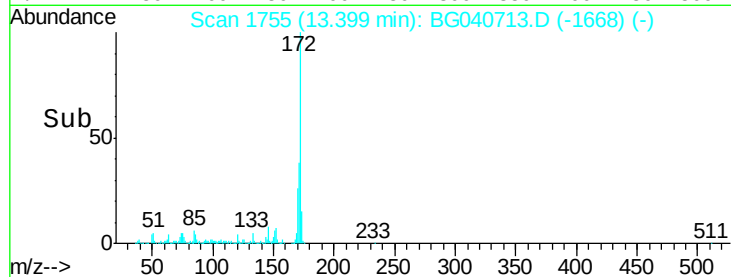
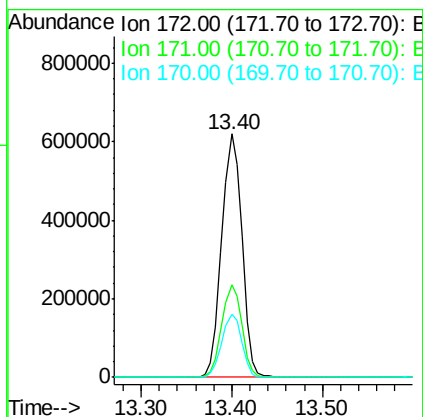
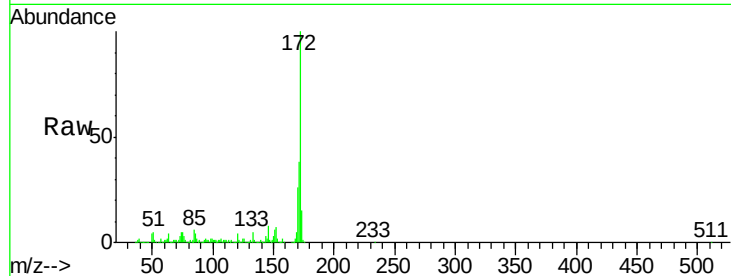




#45
2-Fluorobiphenyl
Concen: 100.385 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040713.D
Acq: 2 May 2019 19:00

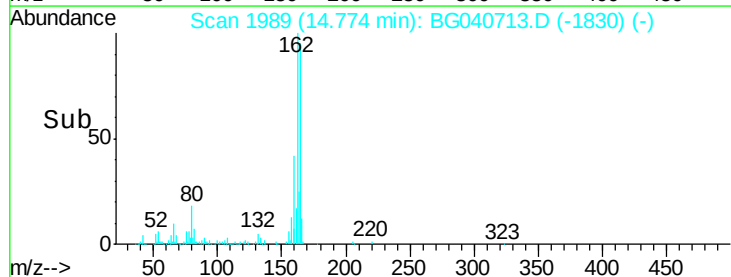
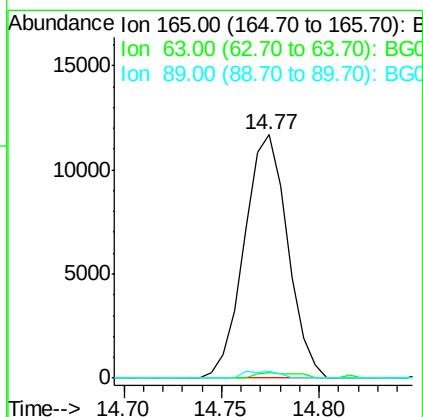
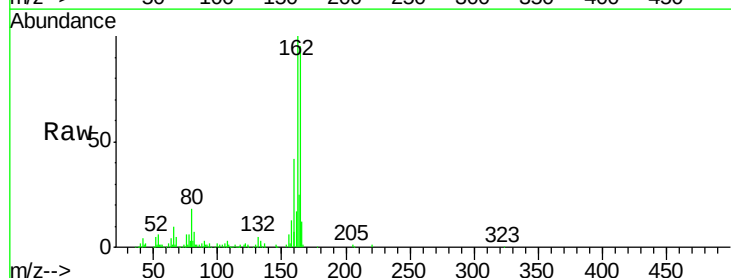
Instrument :
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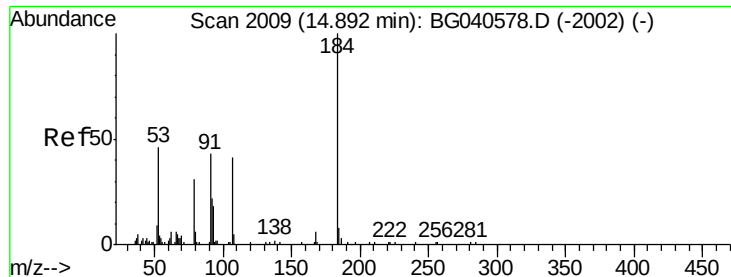
Tot Ion:172 Resp: 962151
Ion Ratio Lower Upper
172 100
171 38.1 29.4 44.2
170 25.9 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 7.934 ng
RT: 14.77 min Scan# 1989
Delta R.T. 0.41 min
Lab File: BG040713.D
Acq: 2 May 2019 19:00

Tgt Ion:165 Resp: 17933
Ion Ratio Lower Upper
165 100
63 2.4 61.0 91.4#
89 3.0 58.6 87.8#

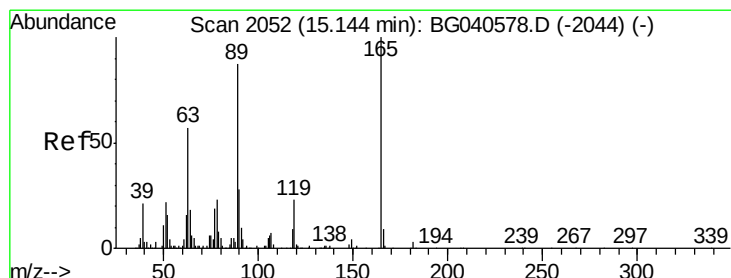
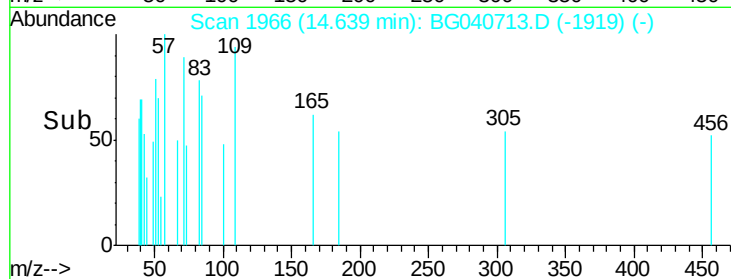
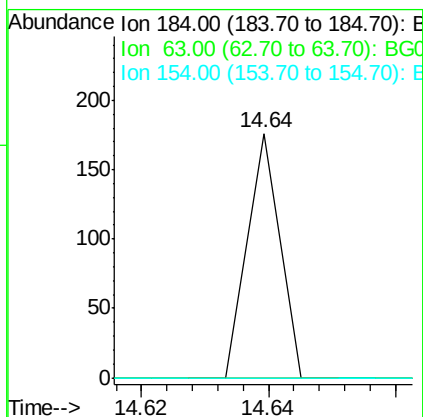
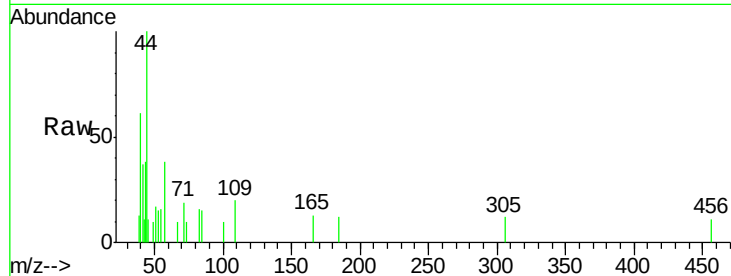




#54
2,4-Dinitrophenol
Concen: 7.059 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.25 min
Lab File: BG040713.D
Acq: 2 May 2019 19:00

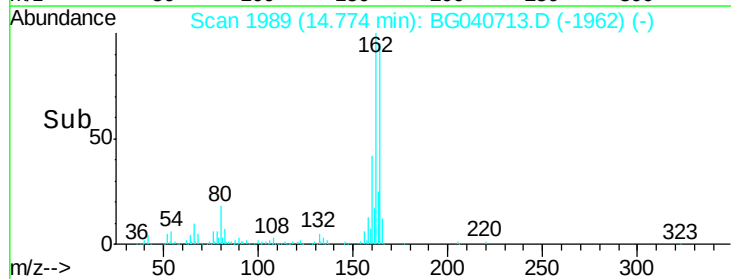
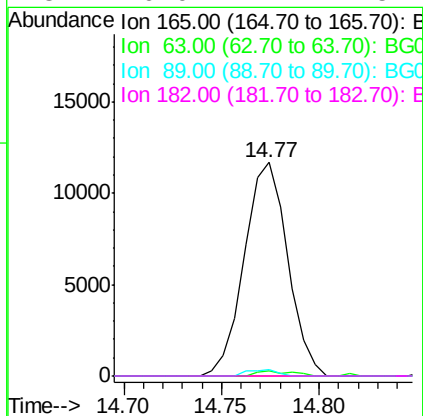
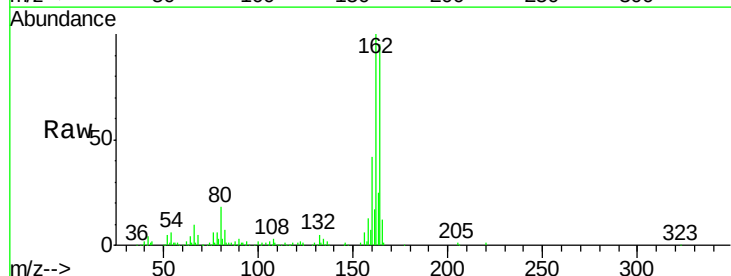
Instrument :
BNA_G
ClientSampleId :
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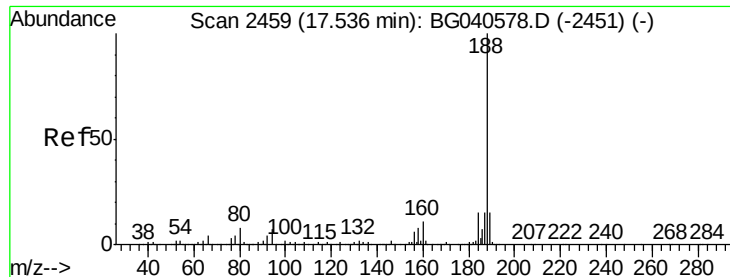
Tot Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.839 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040713.D
Acq: 2 May 2019 19:00

Tgt Ion:165 Resp: 17933
Ion Ratio Lower Upper
165 100
63 2.4 45.8 68.8#
89 3.0 69.4 104.2#
182 0.0 2.2 3.4#

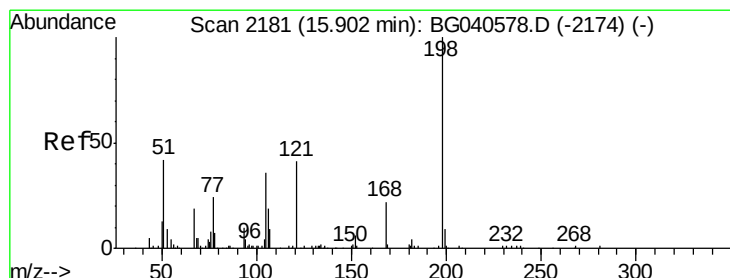
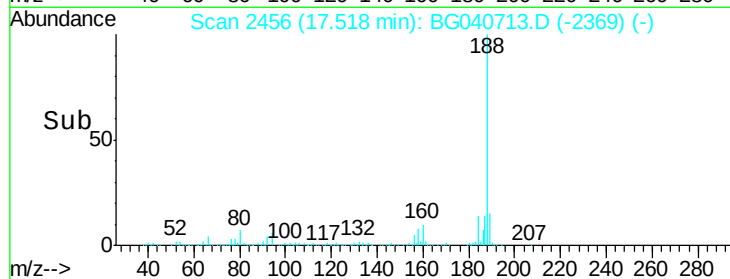
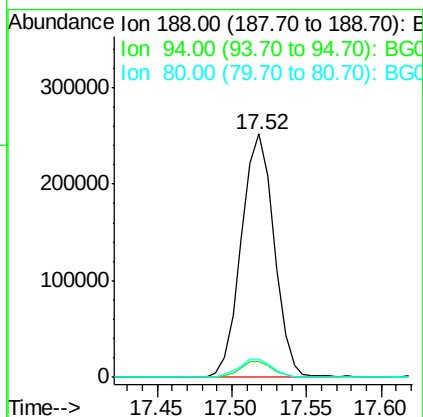
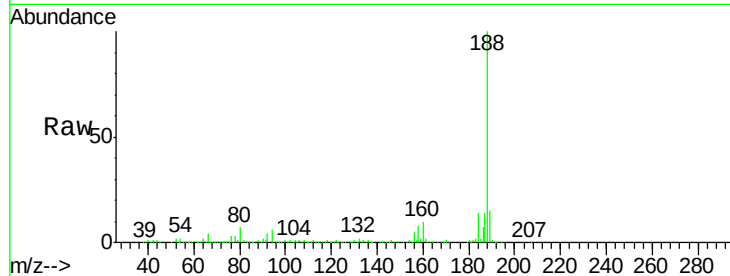




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BG040713.D
Acq: 2 May 2019 19:00

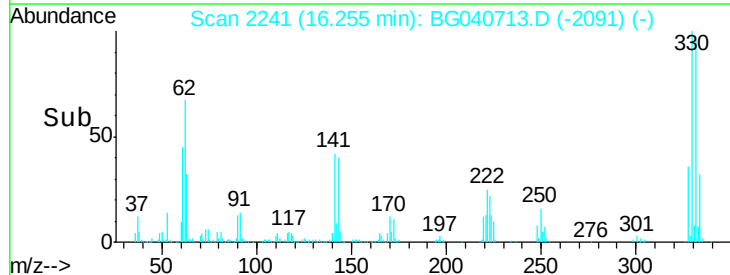
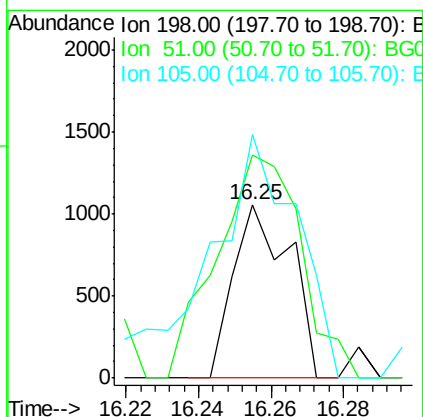
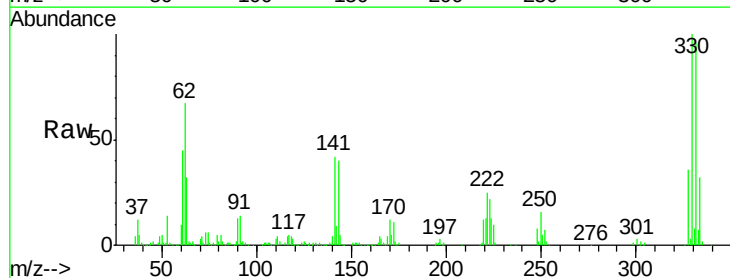
Instrument :
BNA_G
ClientSampleId :
P-66-TP

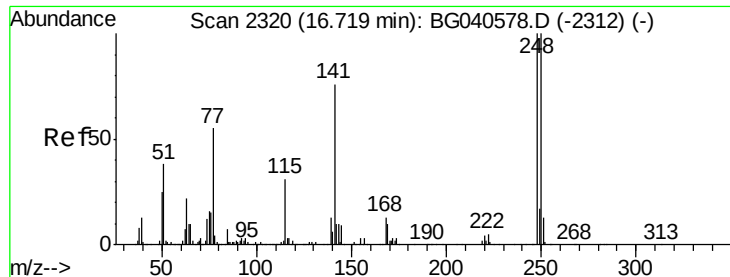
Tot Ion:188 Resp: 384069
Ion Ratio Lower Upper
188 100
94 6.5 5.6 8.4
80 7.4 6.4 9.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.613 ng
RT: 16.25 min Scan# 2241
Delta R.T. 0.35 min
Lab File: BG040713.D
Acq: 2 May 2019 19:00

Tgt Ion:198 Resp: 1137
Ion Ratio Lower Upper
198 100
51 128.1 35.9 75.9#
105 140.1 21.2 61.2#

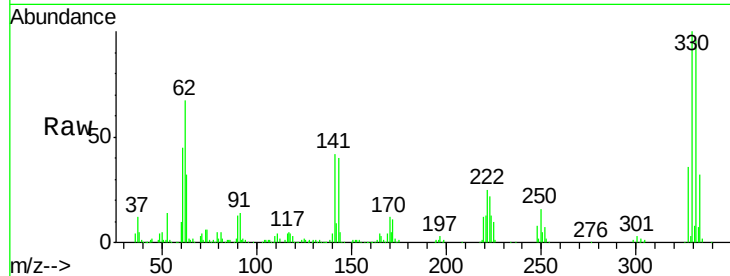




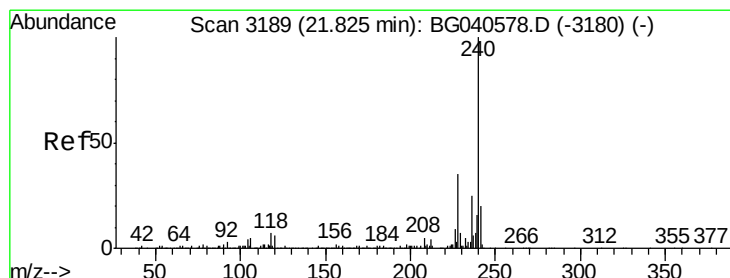
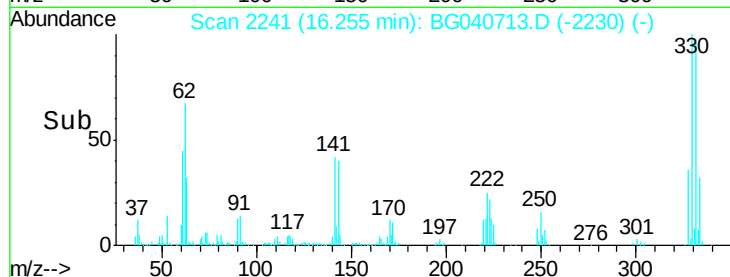
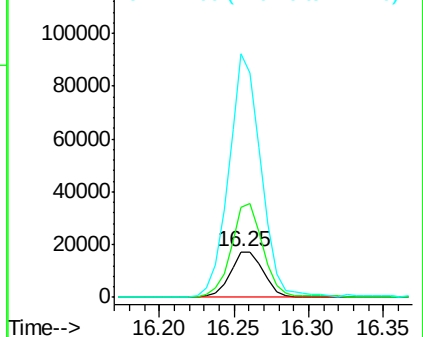
#67
 4-Bromophenyl-phenylether
 Concen: 5.612 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040713.D
 Acq: 2 May 2019 19:00

Instrument :
 BNA_G
 ClientSampleId :
 P-66-TP

Tot Ion:248 Resp: 26855
 Ion Ratio Lower Upper
 248 100
 250 199.1 79.8 119.6#
 141 538.3 60.8 91.2#

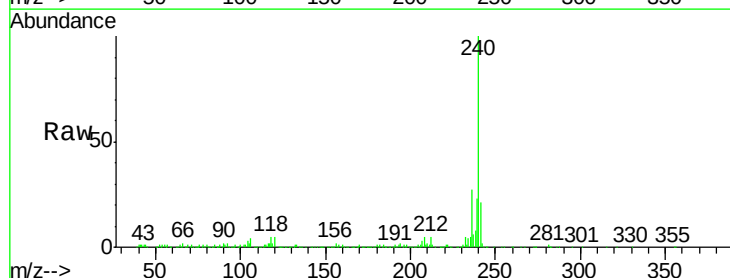


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

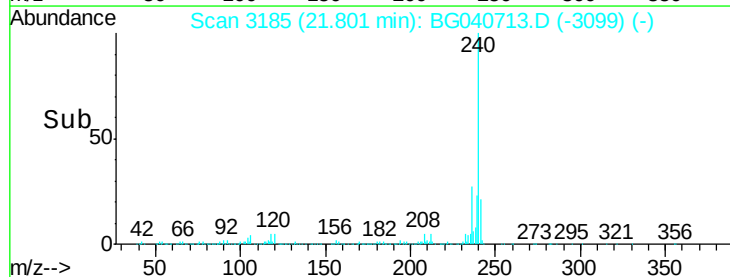
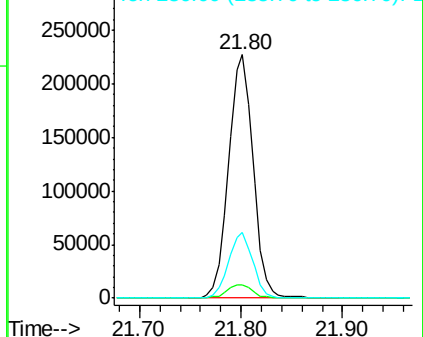


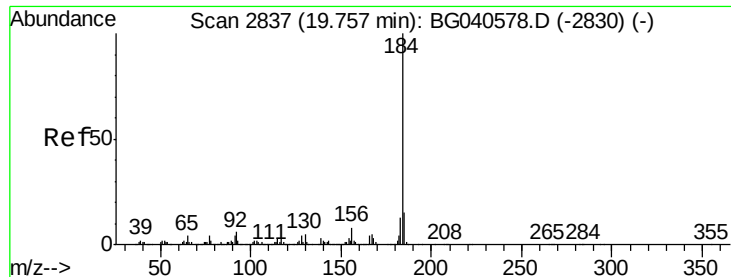
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. -0.02 min
 Lab File: BG040713.D
 Acq: 2 May 2019 19:00

Tgt Ion:240 Resp: 381555
 Ion Ratio Lower Upper
 240 100
 120 5.4 5.0 7.6
 236 26.8 20.3 30.5



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: 3.582 ng

RT: 20.12 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040713.D

Acq: 2 May 2019 19:00

Instrument :

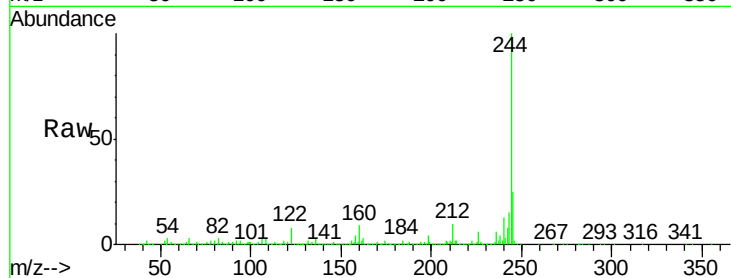
BNA_G

ClientSampleId :

P-66-TP

Tot Ion:184 Resp: 37426

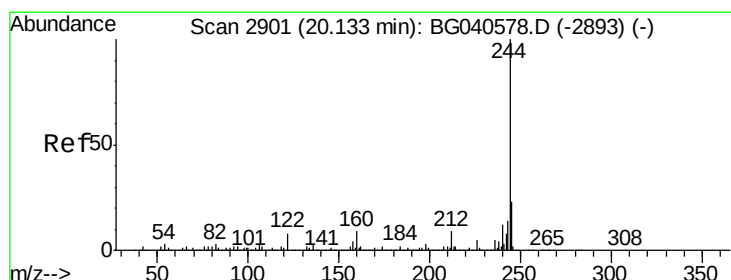
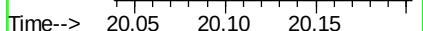
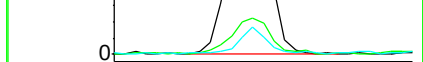
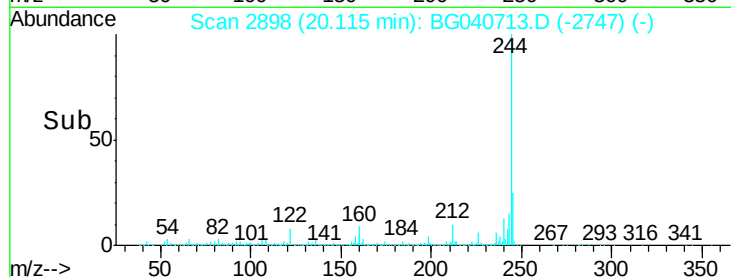
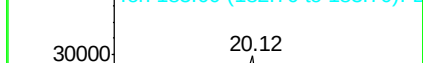
Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.8	17.8
183	11.0	10.2	15.2



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: 110.881 ng

RT: 20.12 min Scan# 2898

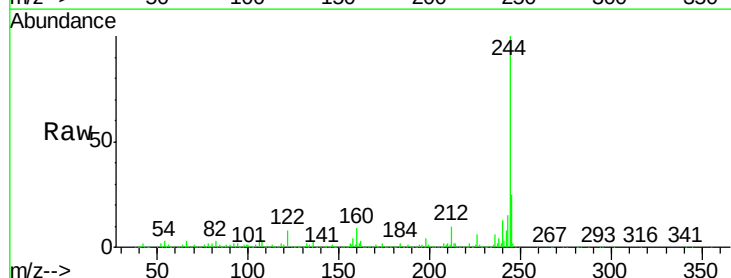
Delta R.T. -0.02 min

Lab File: BG040713.D

Acq: 2 May 2019 19:00

Tgt Ion:244 Resp: 1909667

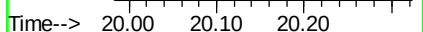
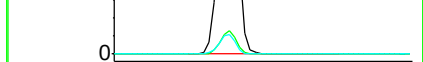
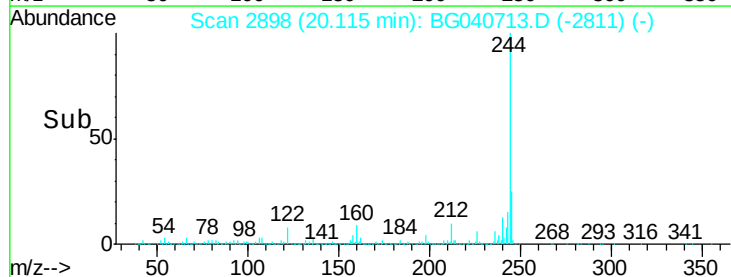
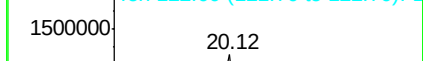
Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.2	10.8
122	8.3	6.6	10.0

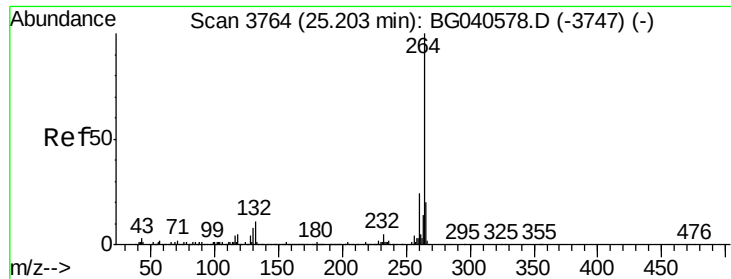


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

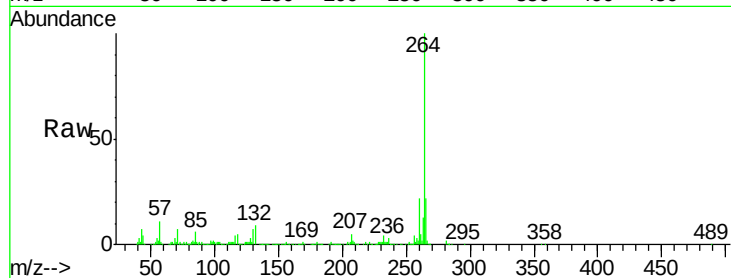




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3756
 Delta R.T. -0.05 min
 Lab File: BG040713.D
 Acq: 2 May 2019 19:00

Instrument :
 BNA_G
 ClientSampleId :
 P-66-TP

Tot Ion:	264	Resp:	409841
Ion	Ratio	Lower	Upper
264	100		
260	21.9	19.2	28.8
265	22.2	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

