

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050719\
 Data File : BG040774.D
 Acq On : 7 May 2019 17:52
 Operator : HP/JU
 Sample : K2675-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OUTFALL001-WK-1

Quant Time: May 08 03:54:41 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

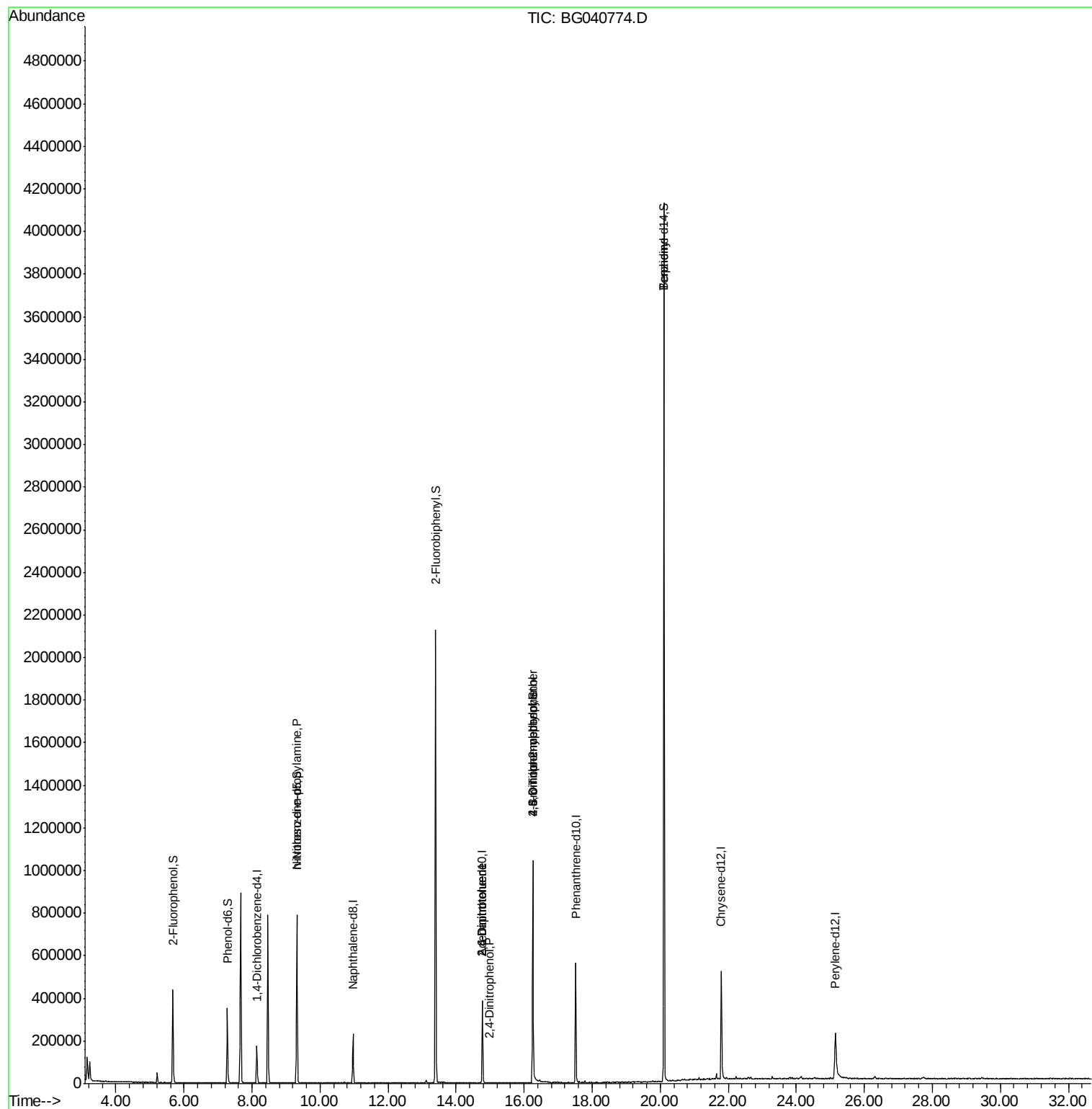
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	43551	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	174246	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	135112	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	346296	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	343656	20.00	ng	-0.03
87) Perylene-d12	25.15	264	314004	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	161085	65.20	ng	-0.01
7) Phenol-d6	7.28	99	177957	46.78	ng	-0.02
23) Nitrobenzene-d5	9.32	82	468827	124.32	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	199322	107.33	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	1021366	109.17	ng	-0.02
79) Terphenyl-d14	20.11	244	1976367	127.41	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	274	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.32	70	66320	19.367 ng	#	69
51) 2,6-Dinitrotoluene	14.77	165	16989	7.700 ng	#	14
54) 2,4-Dinitrophenol	14.97	184	58	7.057 ng	#	21
57) 2,4-Dinitrotoluene	14.77	165	16989	5.667 ng	#	16
65) 4,6-Dinitro-2-methylphenol	16.25	198	397	7.299 ng		81
67) 4-Bromophenyl-phenylether	16.25	248	13686	3.172 ng	#	1
77) Benzidine	20.11	184	36350	3.863 ng	#	96

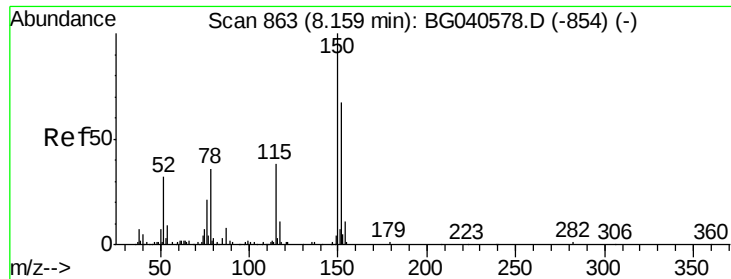
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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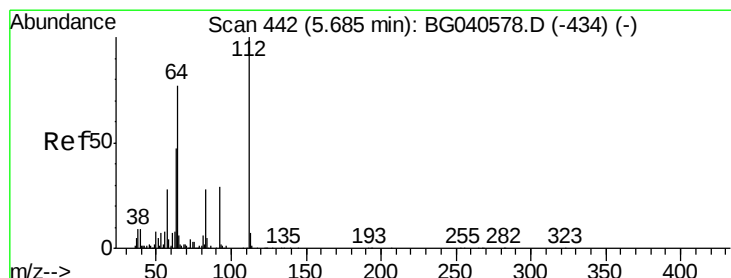
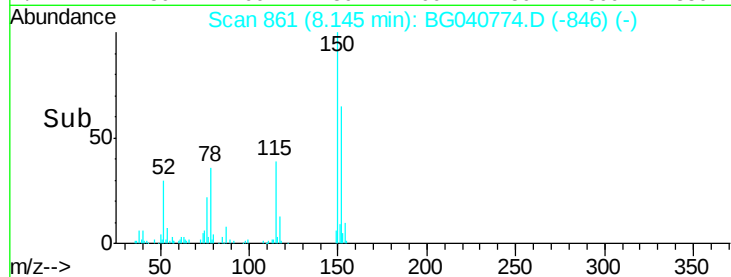
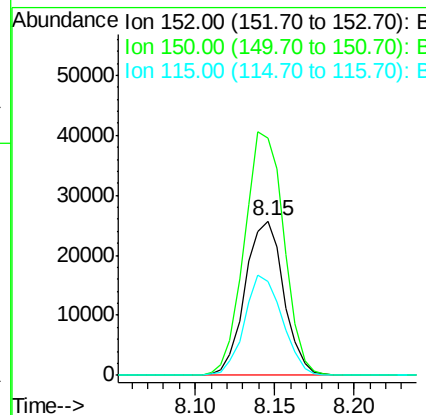
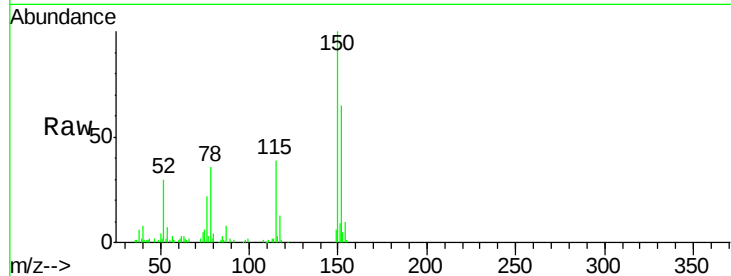


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040774.D
Acq: 7 May 2019 17:52

Instrument :
BNA_G
ClientSampleId :
OUTFALL001-WK-1

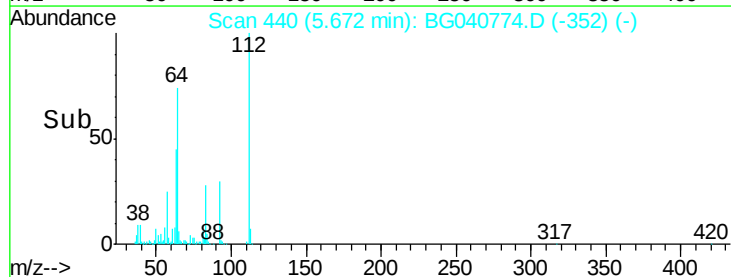
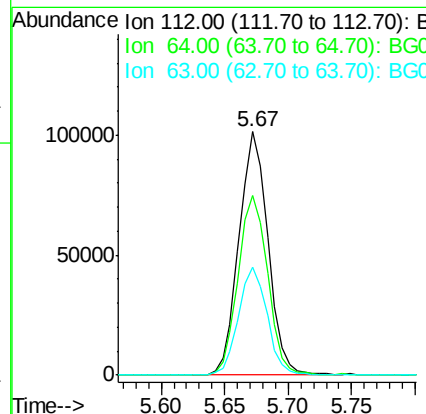
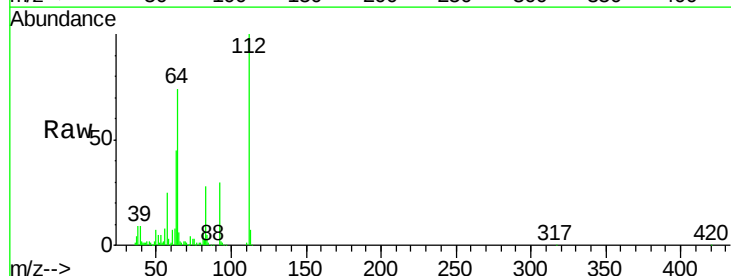
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	120.2	180.2
115	60.8	46.2	69.2



#5

2-Fluorophenol
Concen: 65.201 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040774.D
Acq: 7 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.7	61.4	92.0
63	44.6	37.8	56.6





#7

Phenol-d6

Concen: 46.781 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040774.D

Acq: 7 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

OUTFALL001-WK-1

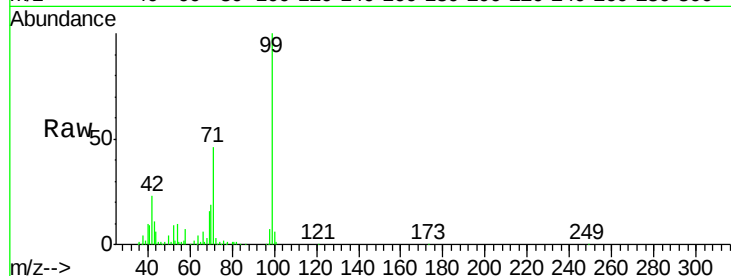
Tot Ion: 99 Resp: 177957

Ion Ratio Lower Upper

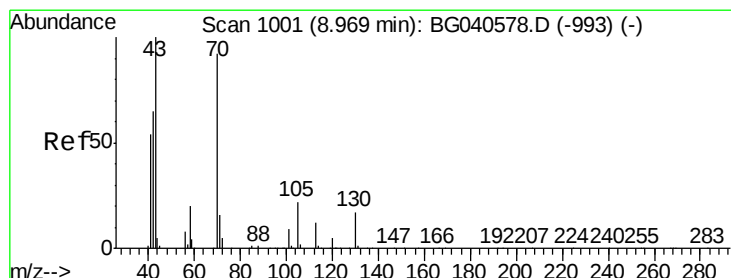
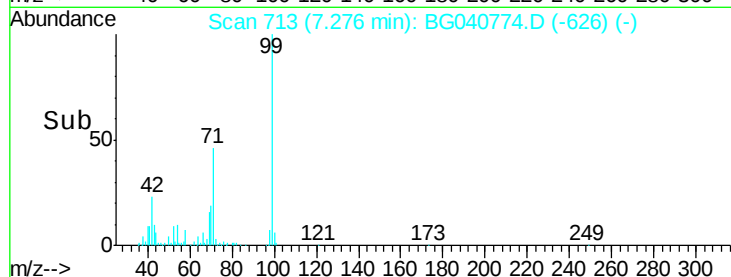
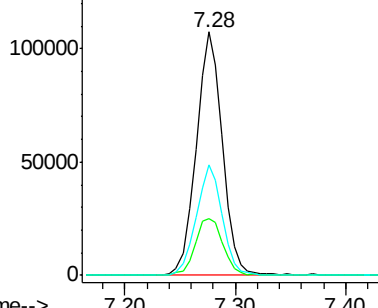
99 100

42 23.5 21.8 32.8

71 45.5 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: 19.367 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040774.D

Acq: 7 May 2019 17:52

Tgt Ion: 70 Resp: 66320

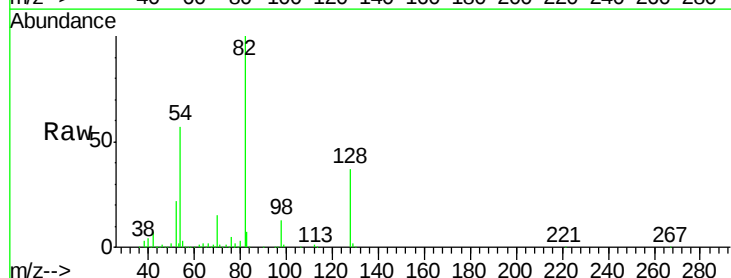
Ion Ratio Lower Upper

70 100

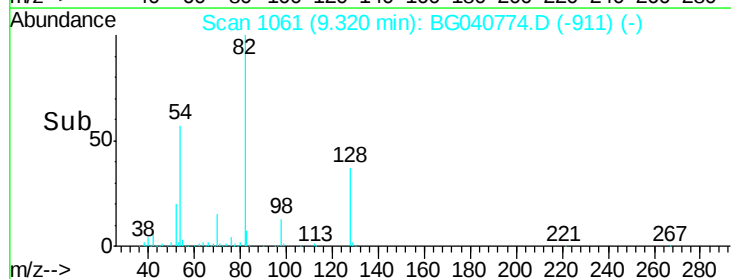
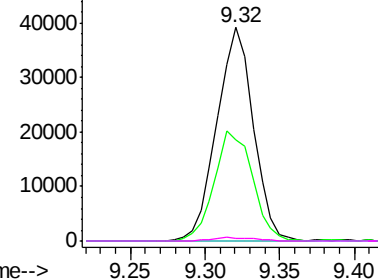
42 47.2 57.1 85.7#

101 0.0 7.8 11.8#

130 1.3 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

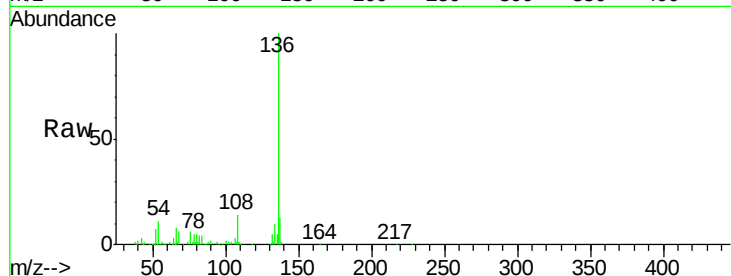




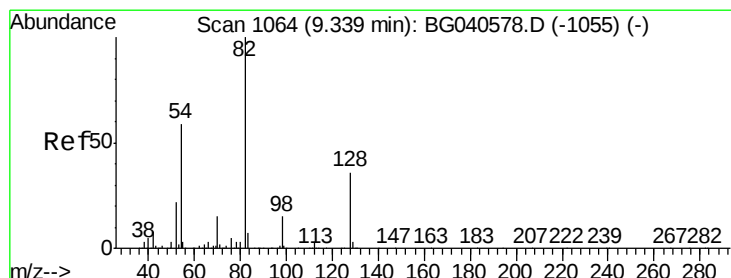
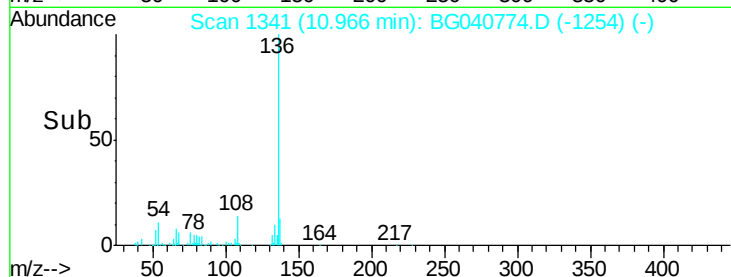
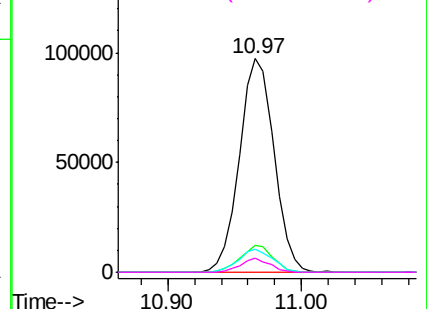
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040774.D
Acq: 7 May 2019 17:52

Instrument :
BNA_G
ClientSampleId :
OUTFALL001-WK-1

Tot Ion:136	Resp:	174246	
Ion Ratio	Lower	Upper	
136 100			
137 12.8	9.7	14.5	
54 10.6	8.6	12.8	
68 6.4	4.8	7.2	

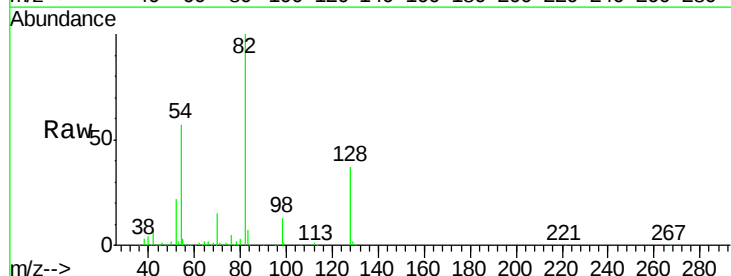


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

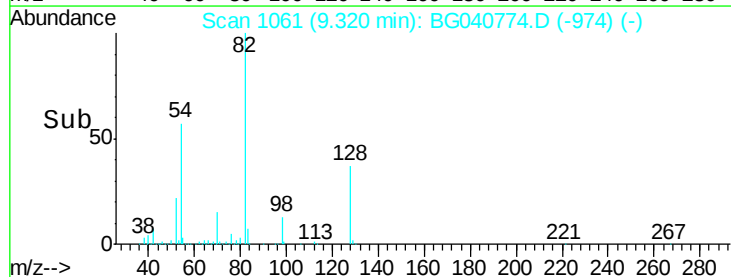
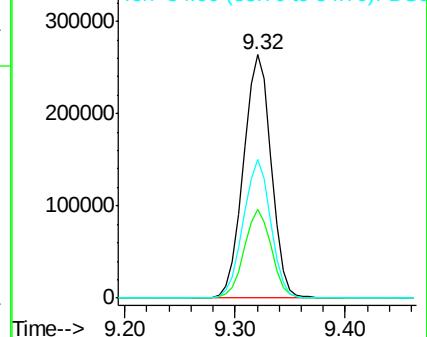


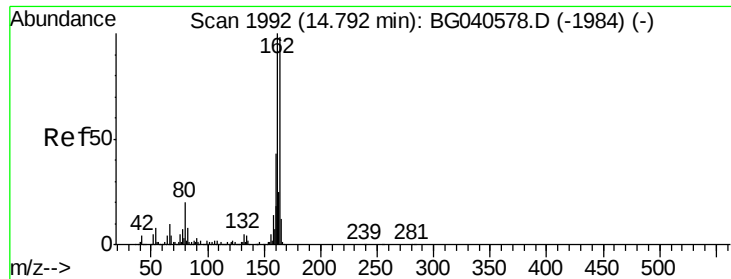
#23
Nitrobenzene-d5
Concen: 124.323 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040774.D
Acq: 7 May 2019 17:52

Tgt	Ion: 82	Resp:	468827
Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.9	43.3
54	56.9	47.2	70.8



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: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG040774.D

Acq: 7 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

OUTFALL001-WK-1

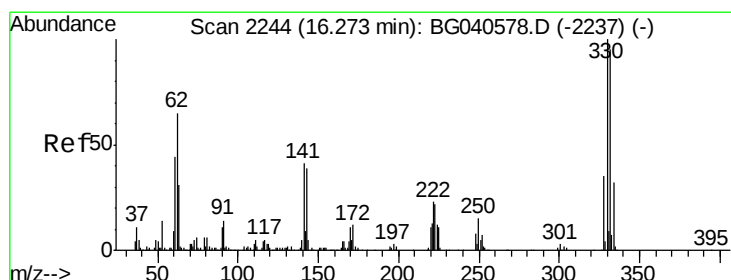
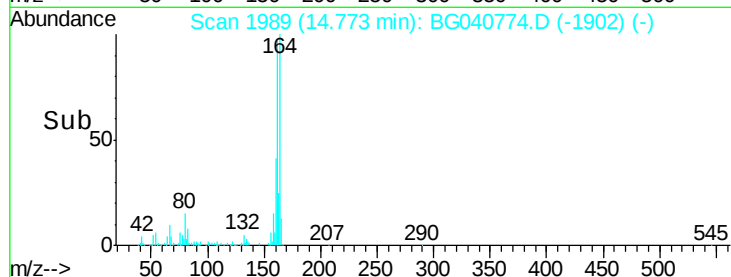
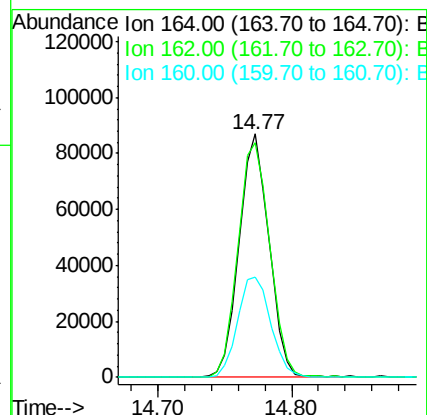
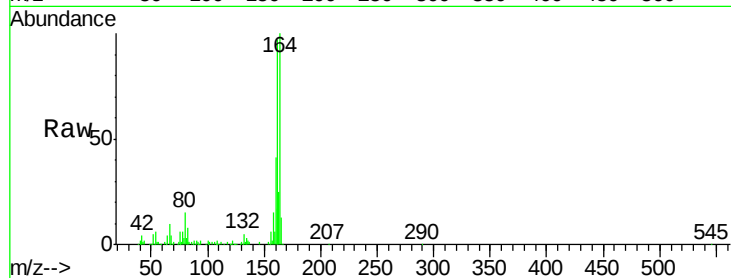
Tot Ion:164 Resp: 135112

Ion Ratio Lower Upper

164 100

162 96.6 81.9 122.9

160 41.4 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 107.327 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040774.D

Acq: 7 May 2019 17:52

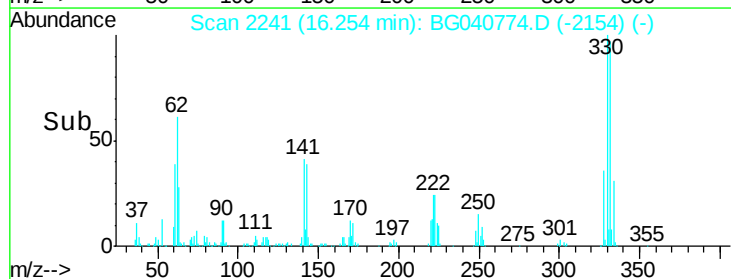
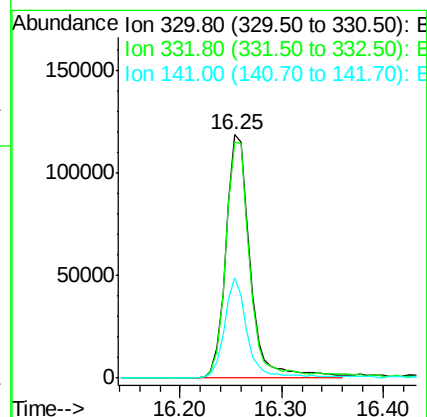
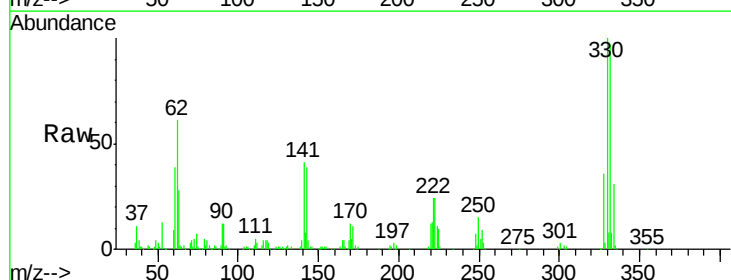
Tgt Ion:330 Resp: 199322

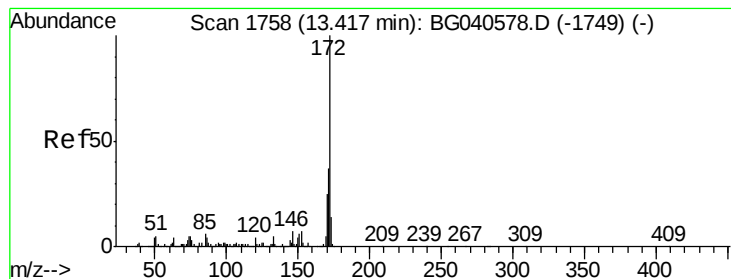
Ion Ratio Lower Upper

330 100

332 96.3 75.9 113.9

141 38.7 32.4 48.6





#45

2-Fluorobiphenyl

Concen: 109.173 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BG040774.D

Acq: 7 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

OUTFALL001-WK-1

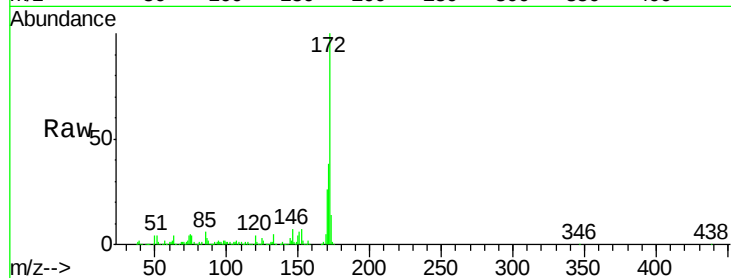
Tot Ion:172 Resp: 1021366

Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.4	44.2
170	26.0	19.9	29.9

172 100

171 37.9 29.4 44.2

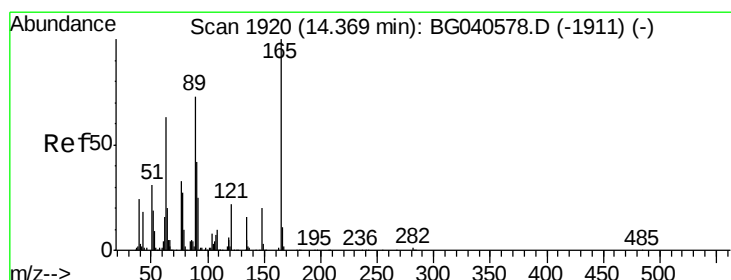
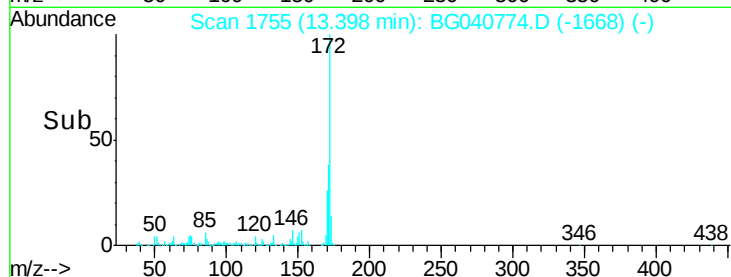
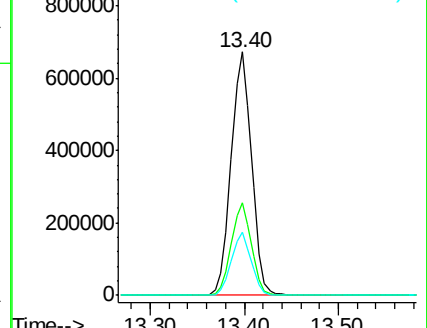
170 26.0 19.9 29.9



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



#51

2,6-Dinitrotoluene

Concen: 7.700 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.40 min

Lab File: BG040774.D

Acq: 7 May 2019 17:52

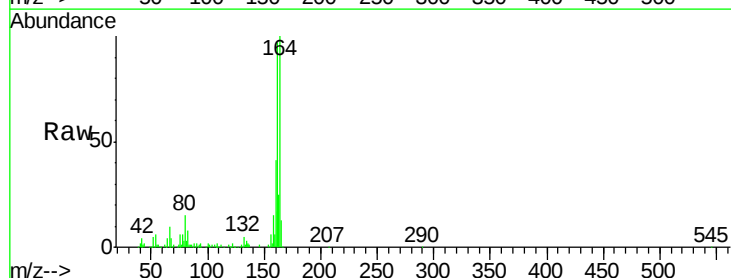
Tgt Ion:165 Resp: 16989

Ion	Ratio	Lower	Upper
165	100		
63	2.1	61.0	91.4#
89	1.7	58.6	87.8#

165 100

63 2.1 61.0 91.4#

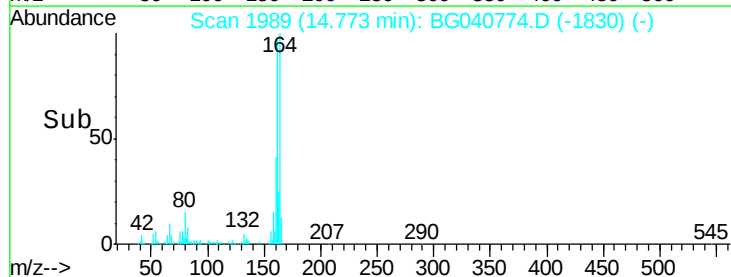
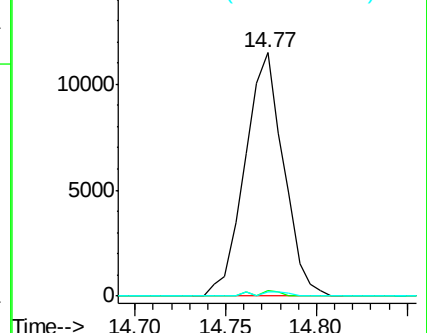
89 1.7 58.6 87.8#

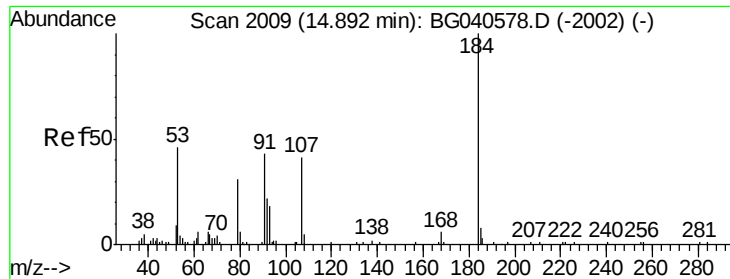


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

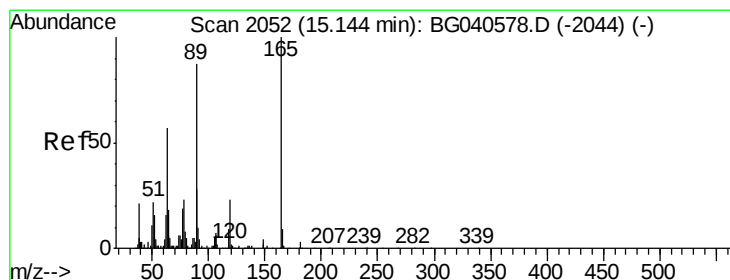
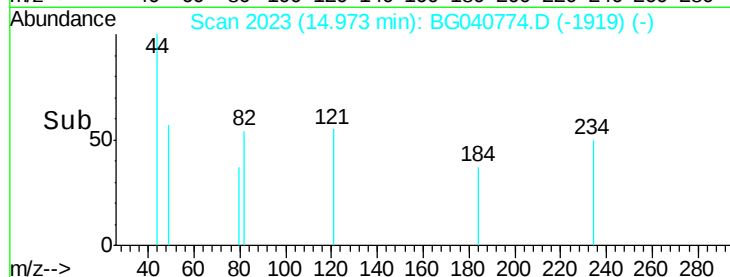
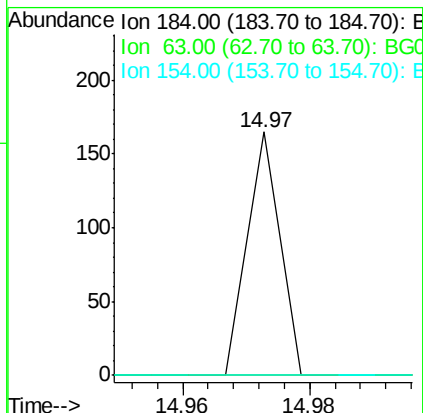
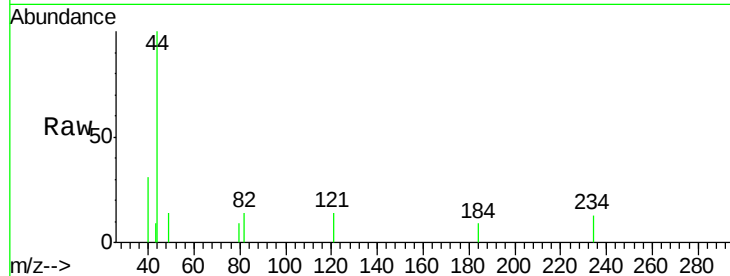




#54
 2,4-Dinitrophenol
 Concen: 7.057 ng
 RT: 14.97 min Scan# 2023
 Delta R.T. 0.08 min
 Lab File: BG040774.D
 Acq: 7 May 2019 17:52

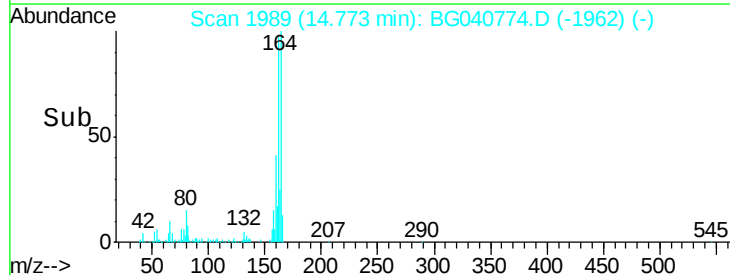
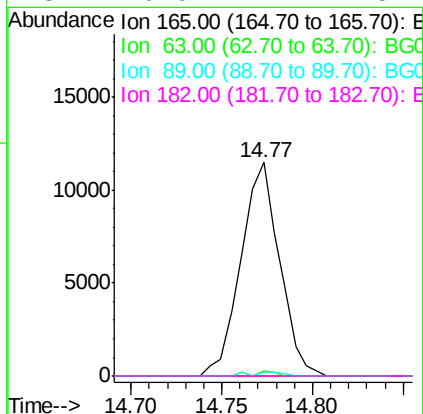
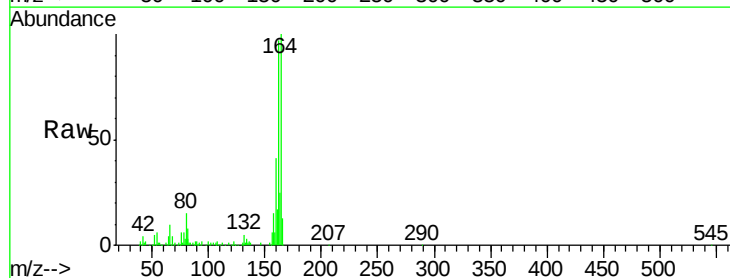
Instrument :
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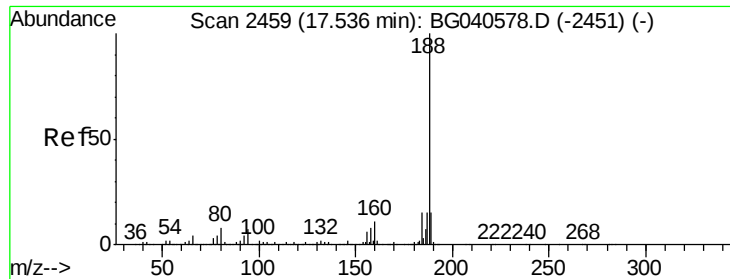
Tot Ion:184 Resp: 58
 Ion Ratio Lower Upper
 184 100
 63 0.0 51.8 77.6#
 154 0.0 43.6 65.4#



#57
 2,4-Dinitrotoluene
 Concen: 5.667 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.37 min
 Lab File: BG040774.D
 Acq: 7 May 2019 17:52

Tgt Ion:165 Resp: 16989
 Ion Ratio Lower Upper
 165 100
 63 2.1 45.8 68.8#
 89 1.7 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: BG040774.D

Acq: 7 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

OUTFALL001-WK-1

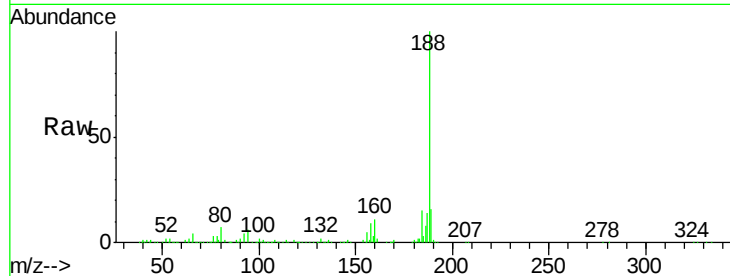
Tot Ion:188 Resp: 346296

Ion Ratio Lower Upper

188 100

94 6.1 5.6 8.4

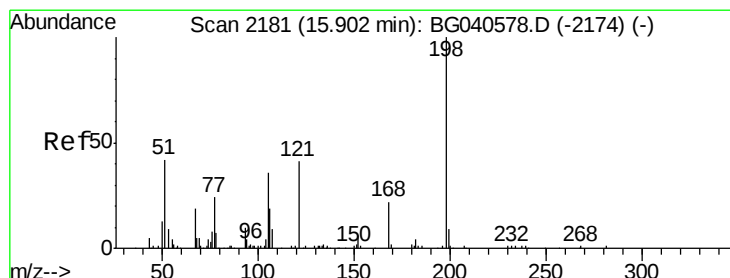
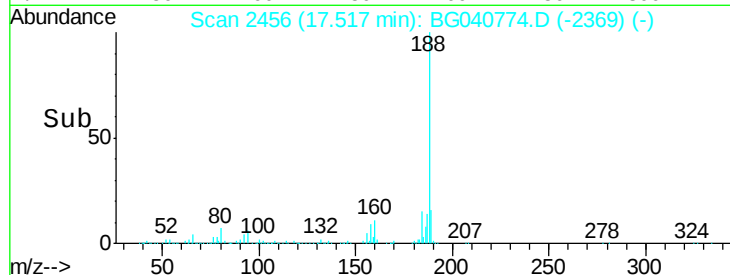
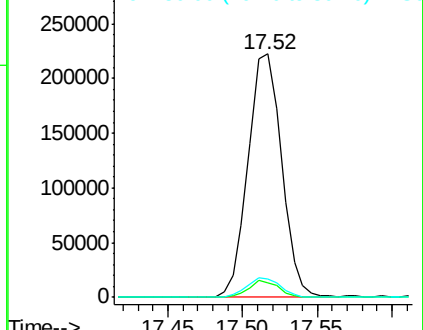
80 7.3 6.4 9.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.299 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.35 min

Lab File: BG040774.D

Acq: 7 May 2019 17:52

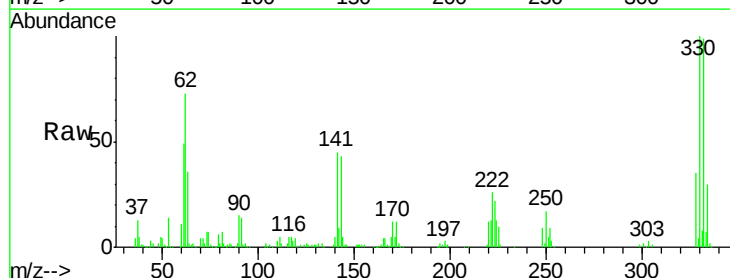
Tgt Ion:198 Resp: 397

Ion Ratio Lower Upper

198 100

51 40.5 35.9 75.9

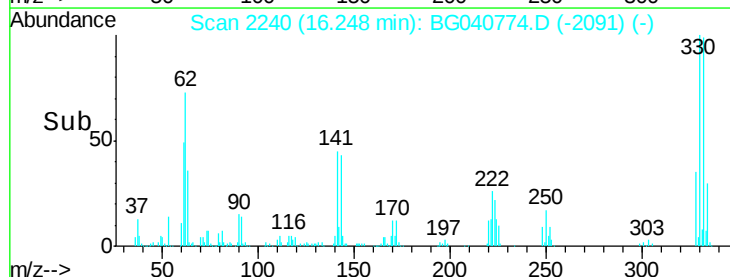
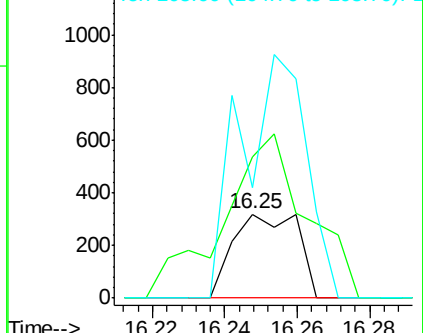
105 31.7 21.2 61.2

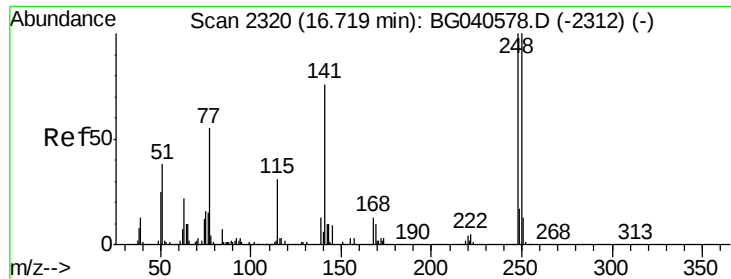


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

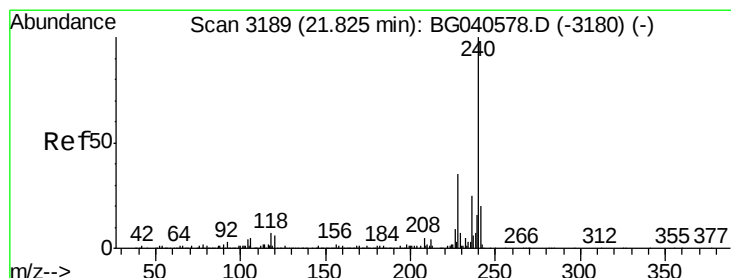
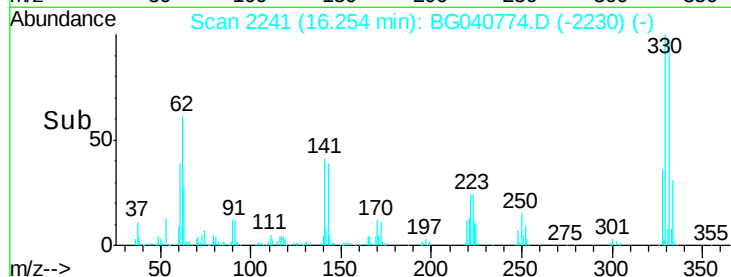
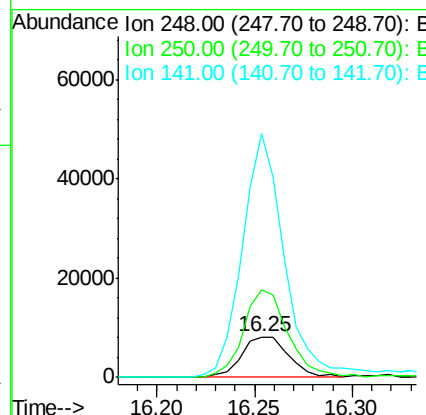
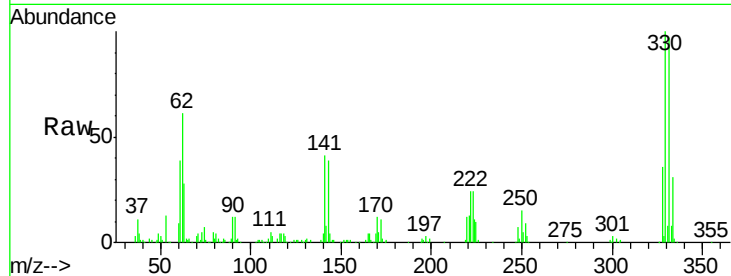




#67
 4-Bromophenyl-phenylether
 Concen: 3.172 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.47 min
 Lab File: BG040774.D
 Acq: 7 May 2019 17:52

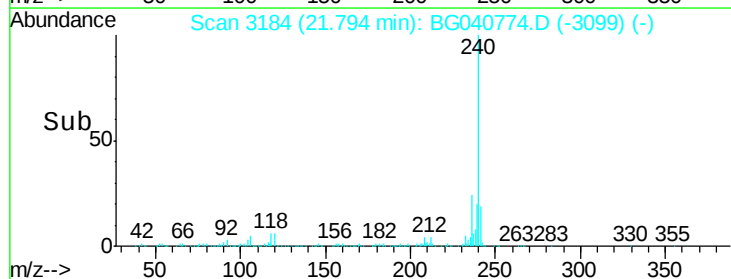
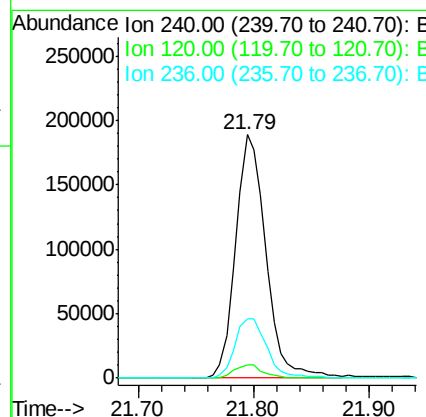
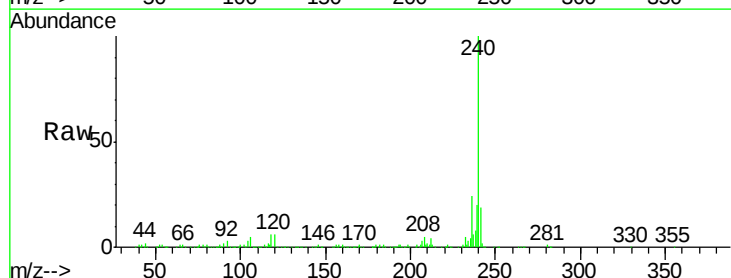
Instrument :
 BNA_G
 ClientSampleId :
 OUTFALL001-WK-1

Tot Ion:248 Resp: 13686
 Ion Ratio Lower Upper
 248 100
 250 216.9 79.8 119.6#
 141 599.5 60.8 91.2#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040774.D
 Acq: 7 May 2019 17:52

Tgt Ion:240 Resp: 343656
 Ion Ratio Lower Upper
 240 100
 120 5.6 5.0 7.6
 236 24.4 20.3 30.5





#77

Benzidine

Concen: 3.863 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040774.D

Acq: 7 May 2019 17:52

Instrument :

BNA_G

ClientSampleId :

OUTFALL001-WK-1

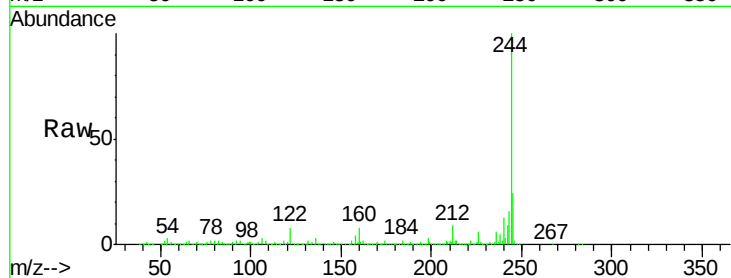
Tot Ion:184 Resp: 36350

Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.8

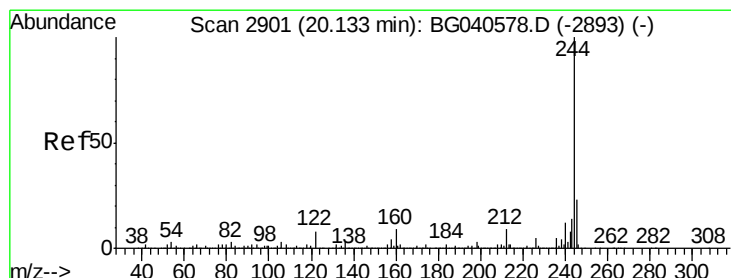
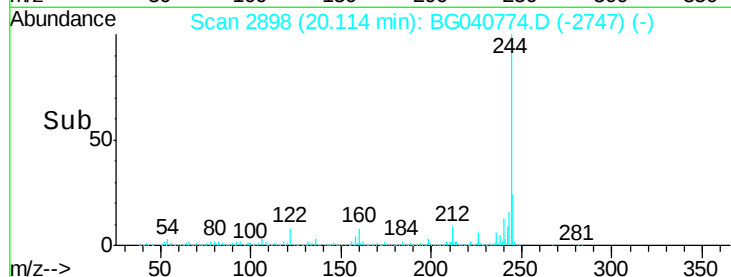
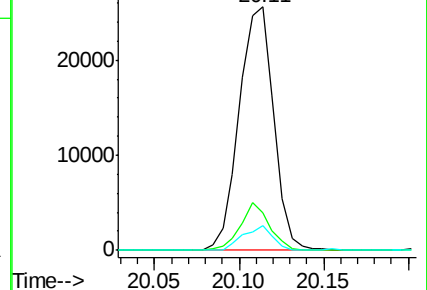
183 10.0 10.2 15.2#



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: 127.409 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040774.D

Acq: 7 May 2019 17:52

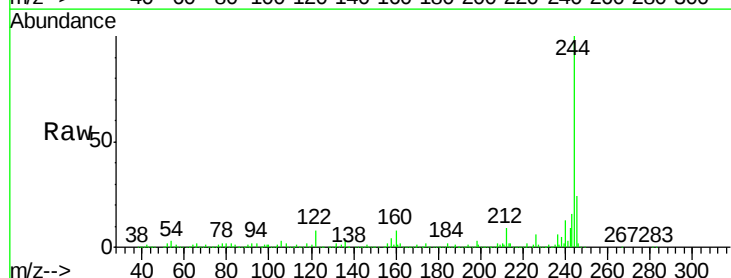
Tgt Ion:244 Resp: 1976367

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

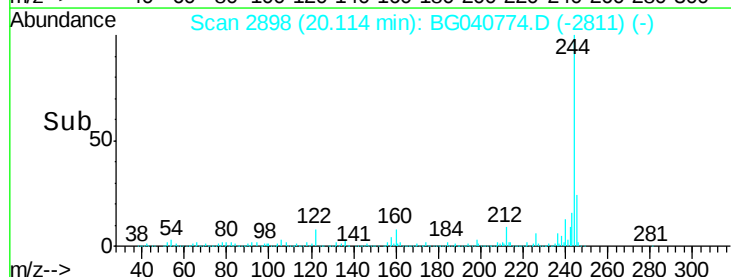
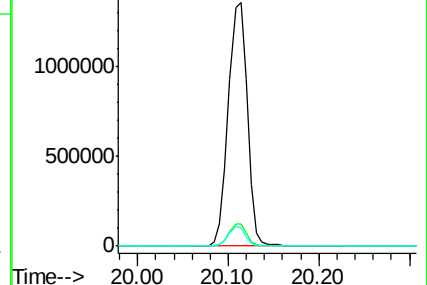
122 7.6 6.6 10.0



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: 25.15 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040774.D
Acq: 7 May 2019 17:52

Instrument :
BNA_G
ClientSampleId :
OUTFALL001-WK-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.4	16.6	25.0

