

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040653.D
 Acq On : 27 Apr 2019 7:19
 Operator : JU/SJ
 Sample : K2570-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1-CB-NORTH

Quant Time: Apr 29 01:05:48 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

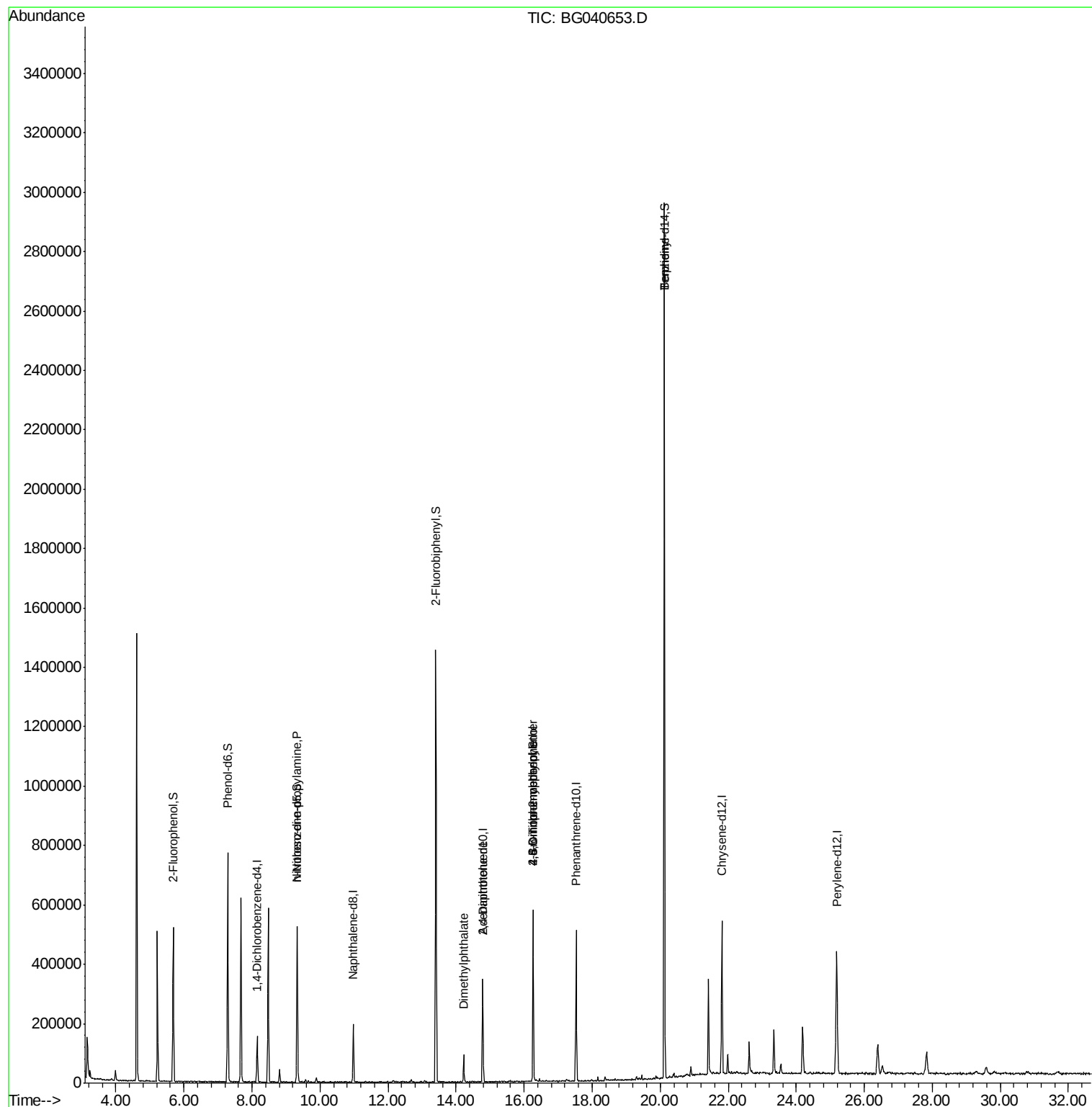
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	36535	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	149276	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	117329	20.00	ng	-0.01
64) Phenanthrene-d10	17.53	188	299231	20.00	ng	0.00
76) Chrysene-d12	21.81	240	295720	20.00	ng	-0.01
87) Perylene-d12	25.19	264	316271	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	179469	86.59	ng	0.00
7) Phenol-d6	7.29	99	372476	116.72	ng	0.00
23) Nitrobenzene-d5	9.33	82	302066	93.50	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	99869	61.93	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	709319	87.31	ng	0.00
79) Terphenyl-d14	20.13	244	1367271	102.43	ng	0.00
Target Compounds						
9) Benzaldehyde	7.28	77	1031	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.33	70	46068	16.037	ng	# 73
50) Dimethylphthalate	14.23	163	55363	5.640	ng	# 96
57) 2,4-Dinitrotoluene	14.78	165	14844	5.702	ng	# 14
65) 4,6-Dinitro-2-methylphenol	16.27	198	382	7.322	ng	# 44
67) 4-Bromophenyl-phenylether	16.26	248	7577	2.032	ng	# 1
77) Benzydine	20.13	184	27216	3.361	ng	# 92

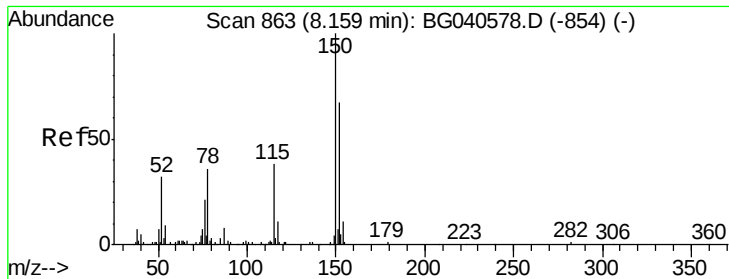
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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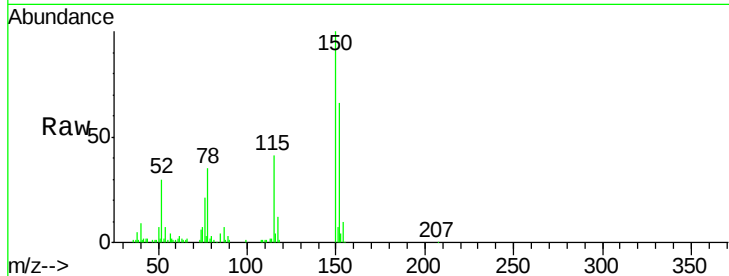


#1

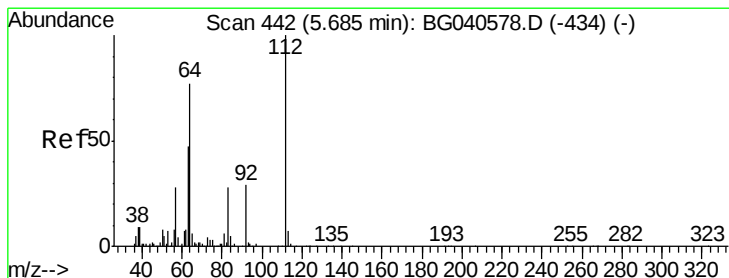
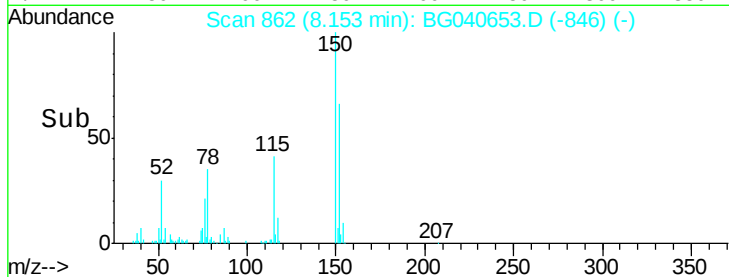
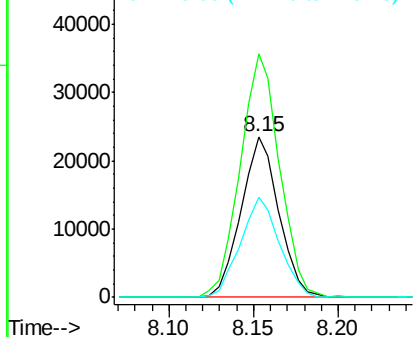
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.01 min
Lab File: BG040653.D
Acq: 27 Apr 2019 7:19

Instrument :
BNA_G
ClientSampleId :
1-CB-NORTH

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	120.2	180.2
115	62.4	46.2	69.2



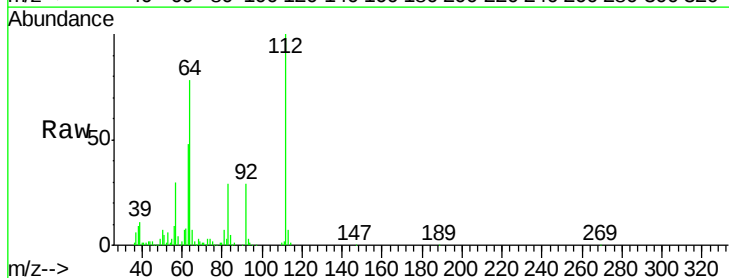
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



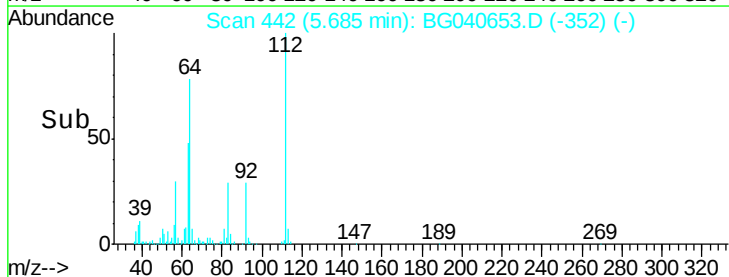
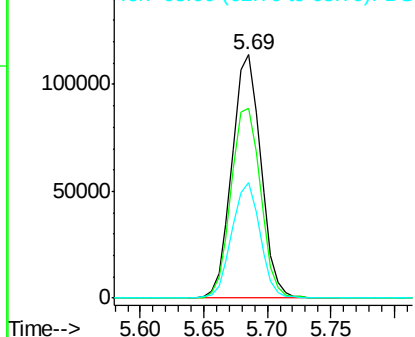
#5

2-Fluorophenol
Concen: 86.591 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040653.D
Acq: 27 Apr 2019 7:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.7	61.4	92.0
63	47.5	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: 116.719 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

Instrument :

BNA_G

ClientSampleId :

1-CB-NORTH

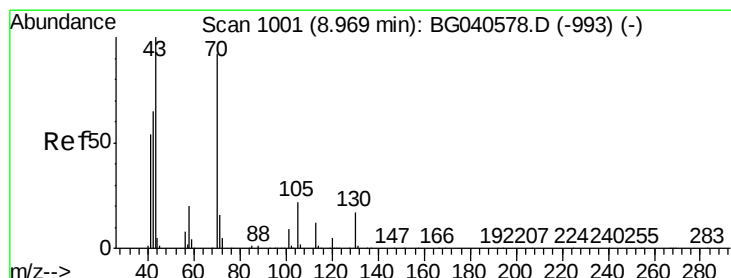
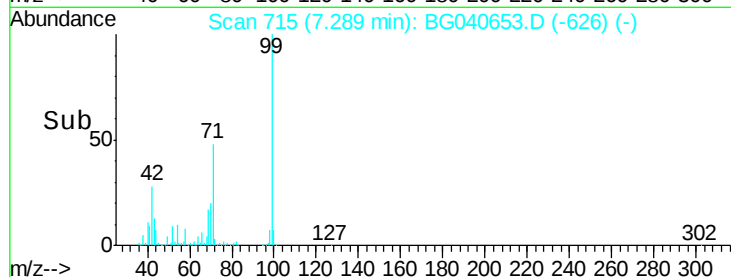
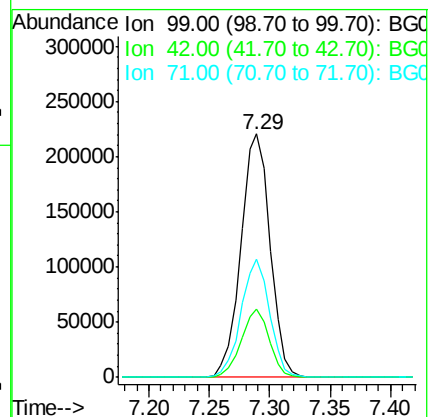
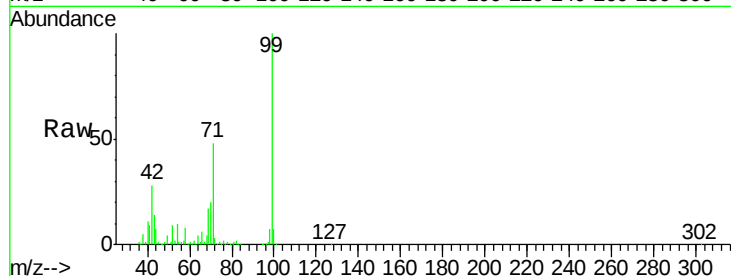
Tot Ion: 99 Resp: 372476

Ion Ratio Lower Upper

99 100

42 28.1 21.8 32.8

71 48.5 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.037 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

Tgt Ion: 70 Resp: 46068

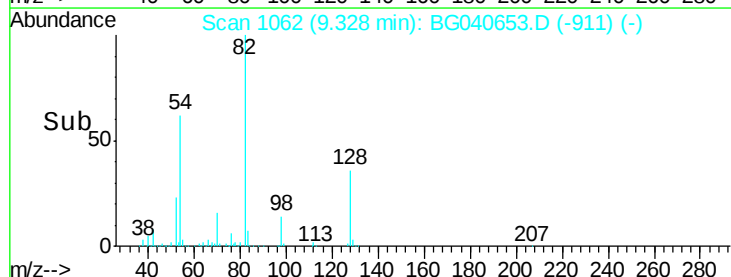
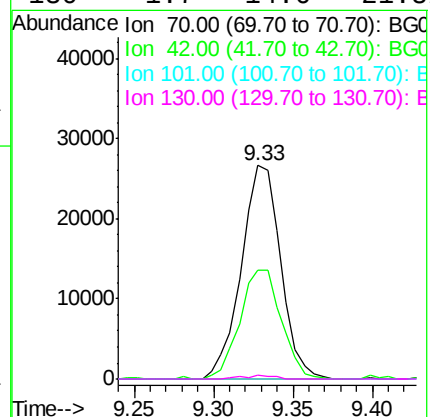
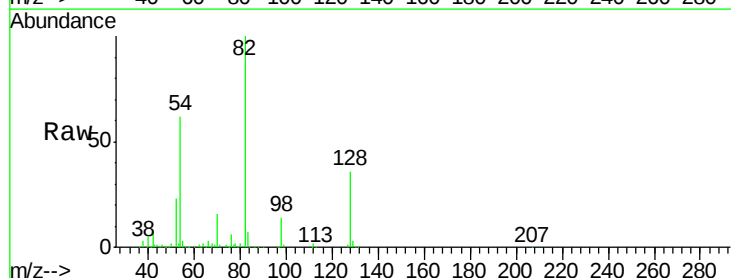
Ion Ratio Lower Upper

70 100

42 50.7 57.1 85.7#

101 0.0 7.8 11.8#

130 1.7 14.6 21.8#

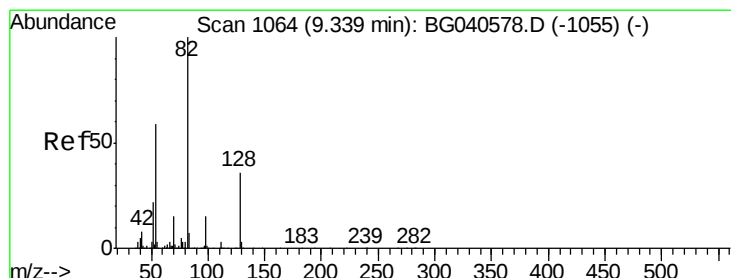
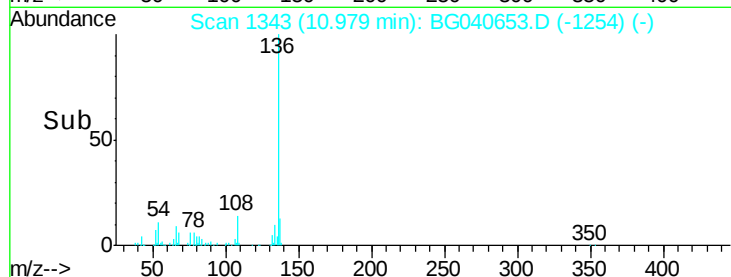
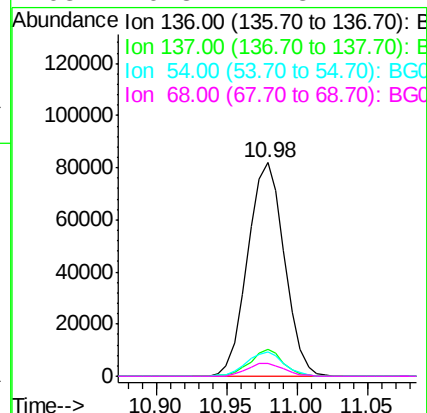
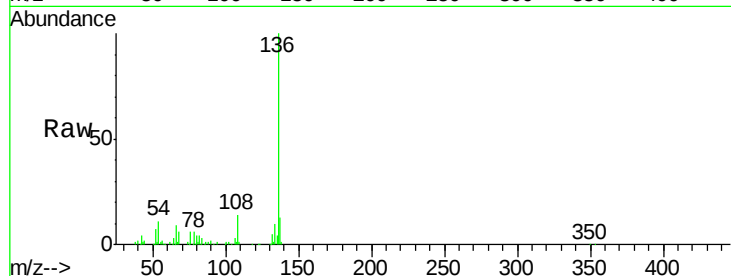




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040653.D
Acq: 27 Apr 2019 7:19

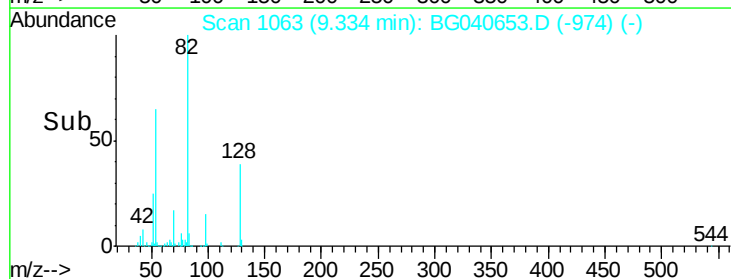
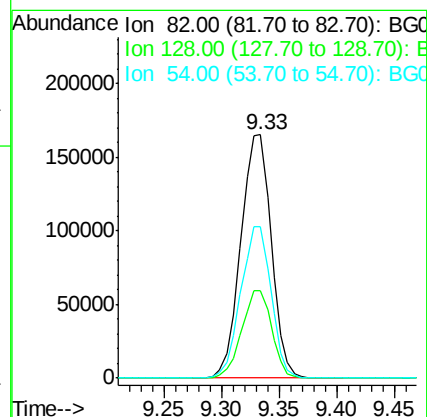
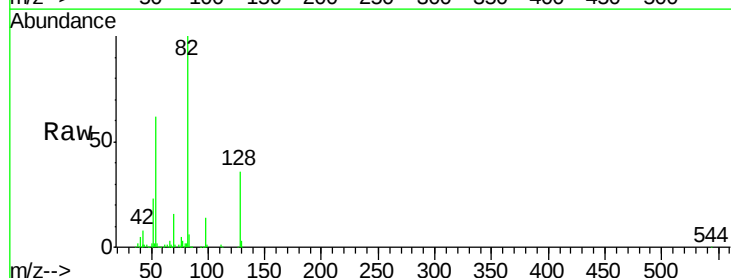
Instrument :
BNA_G
ClientSampleId :
1-CB-NORTH

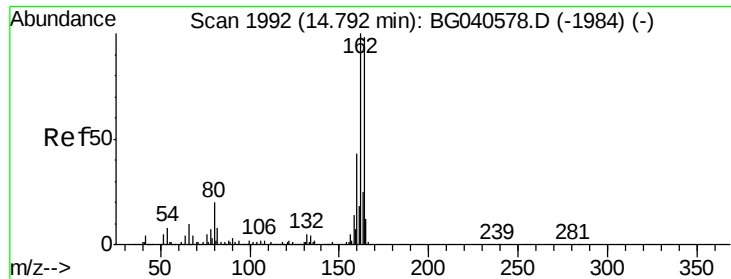
Tot Ion:136	Resp:	149276	
Ion Ratio	Lower	Upper	
136 100			
137 12.7	9.7	14.5	
54 11.1	8.6	12.8	
68 6.3	4.8	7.2	



#23
Nitrobenzene-d5
Concen: 93.500 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040653.D
Acq: 27 Apr 2019 7:19

Tgt	Ion: 82	Resp:	302066
Ion	Ratio	Lower	Upper
82	100		
128	35.8	28.9	43.3
54	62.0	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

Instrument :

BNA_G

ClientSampleId :

1-CB-NORTH

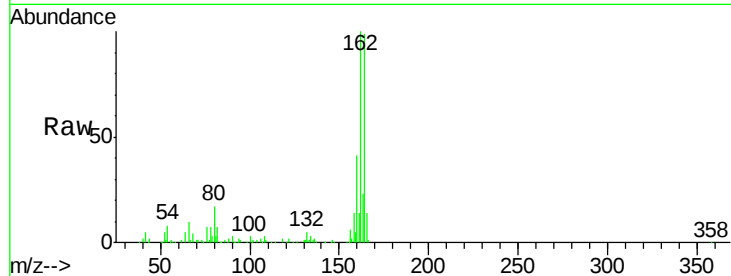
Tot Ion:164 Resp: 117329

Ion Ratio Lower Upper

164 100

162 100.8 81.9 122.9

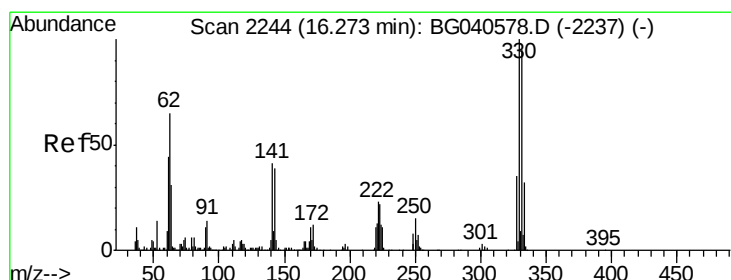
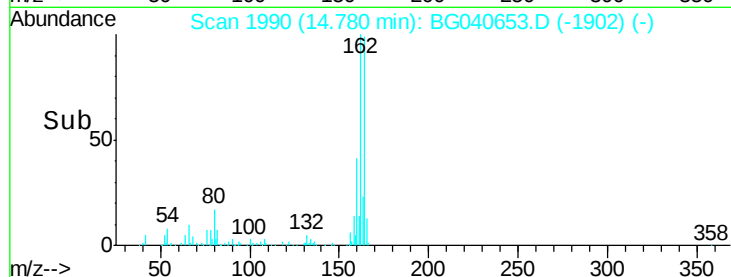
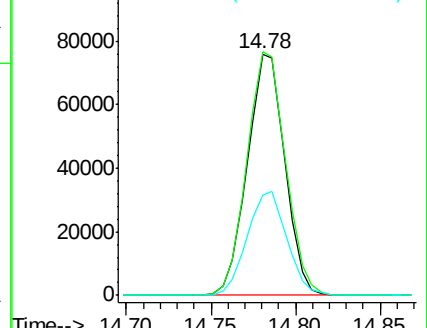
160 41.5 35.4 53.2



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: 61.926 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

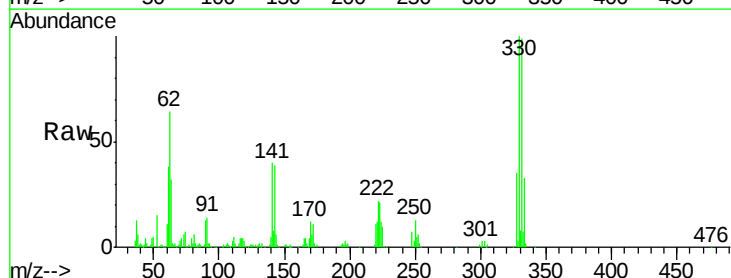
Tgt Ion:330 Resp: 99869

Ion Ratio Lower Upper

330 100

332 95.4 75.9 113.9

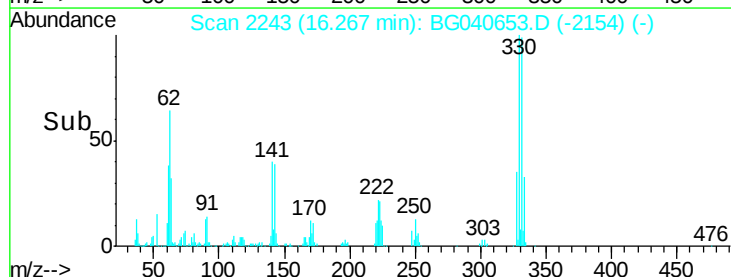
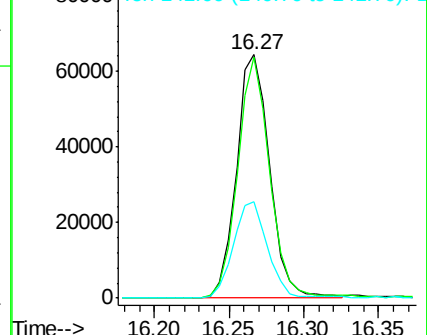
141 41.0 32.4 48.6



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: 87.310 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

Instrument :

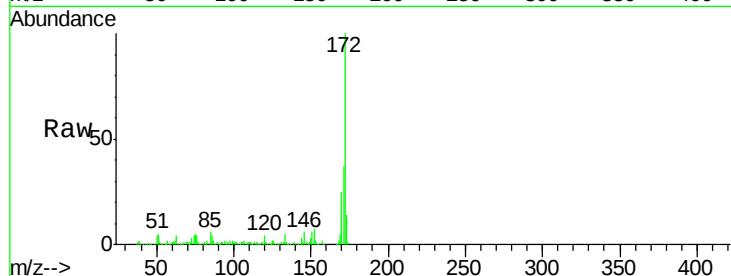
BNA_G

ClientSampleId :

1-CB-NORTH

Tot Ion:172 Resp: 709319

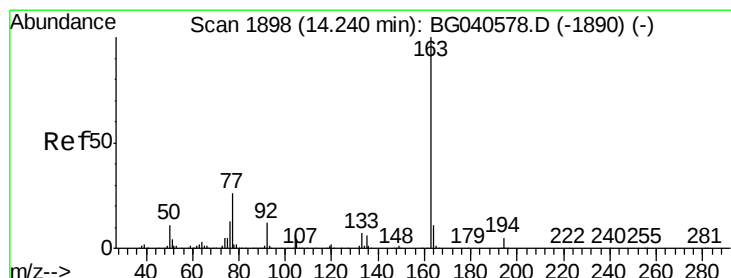
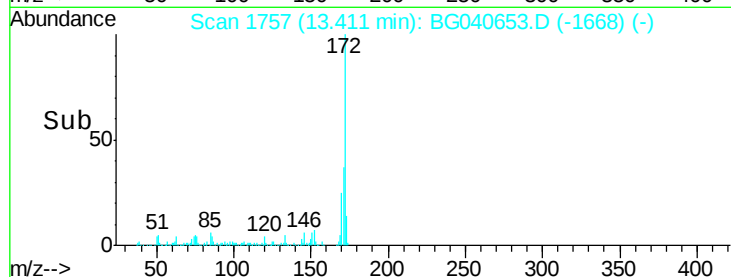
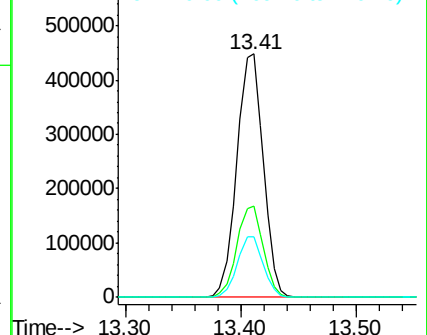
Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.4	44.2
170	24.9	19.9	29.9



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



#50

Dimethylphthalate

Concen: 5.640 ng

RT: 14.23 min Scan# 1896

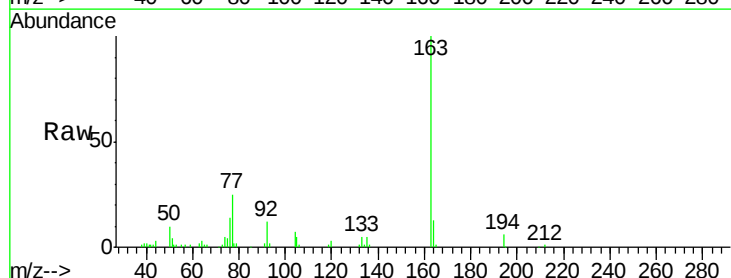
Delta R.T. -0.01 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

Tgt Ion:163 Resp: 55363

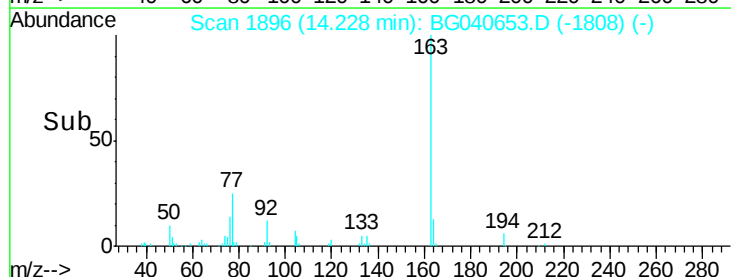
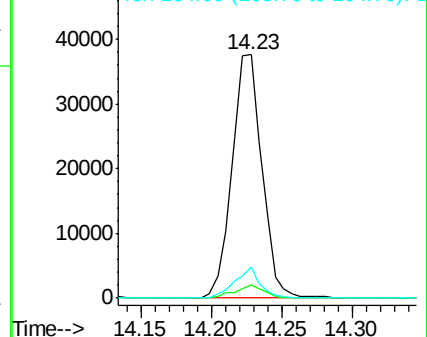
Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.8	5.8
164	12.7	8.8	13.2

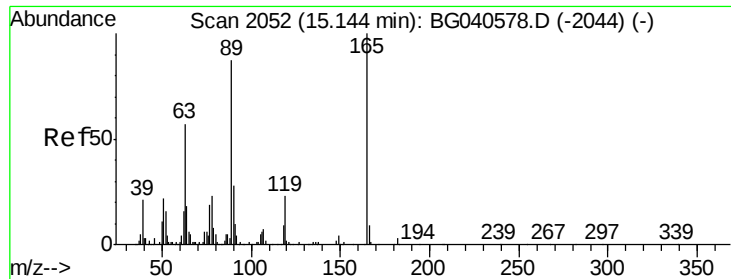


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 5.702 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

Instrument :

BNA_G

ClientSampleId :

1-CB-NORTH

Tot Ion:165 Resp: 14844

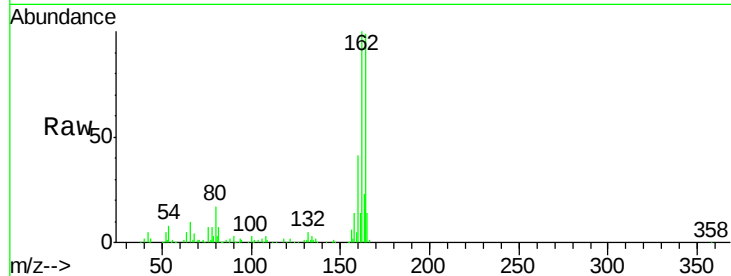
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 0.0 69.4 104.2#

182 0.0 2.2 3.4#

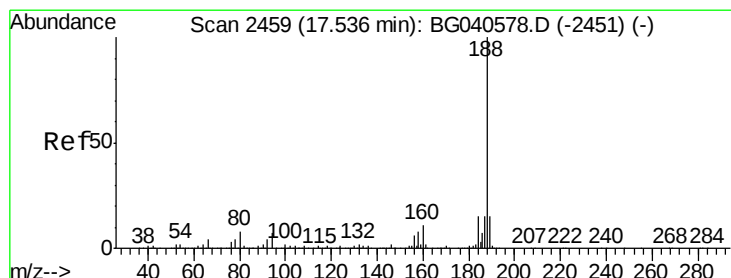
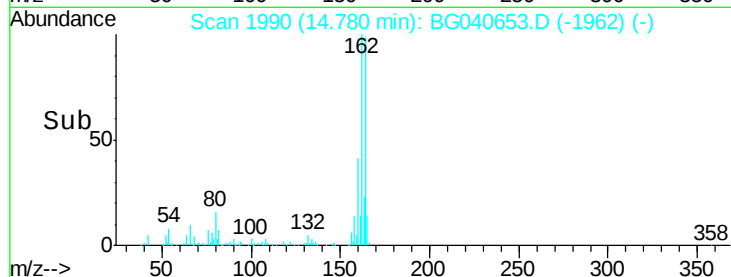
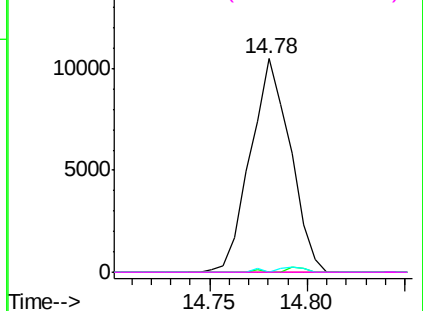


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

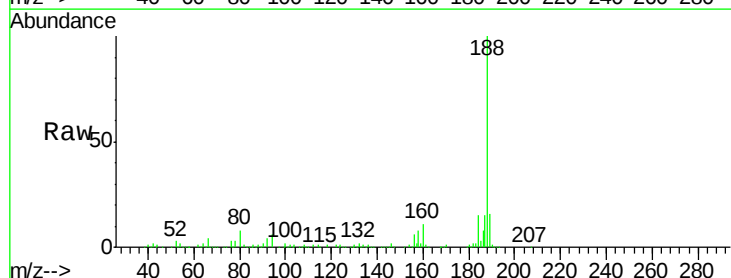
Tgt Ion:188 Resp: 299231

Ion Ratio Lower Upper

188 100

94 6.1 5.6 8.4

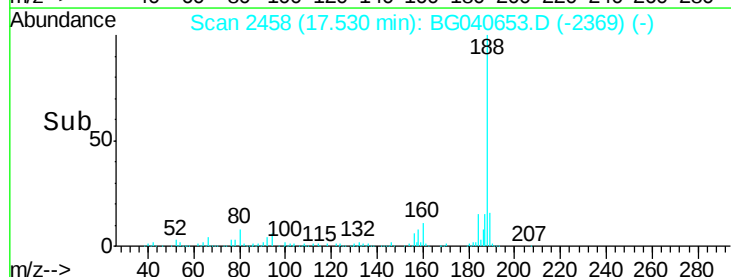
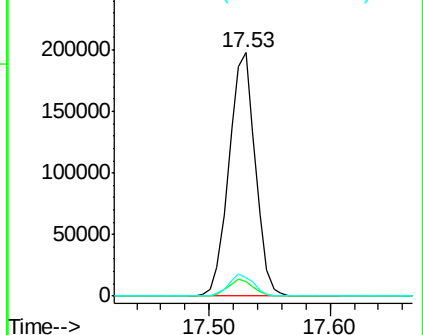
80 7.6 6.4 9.6

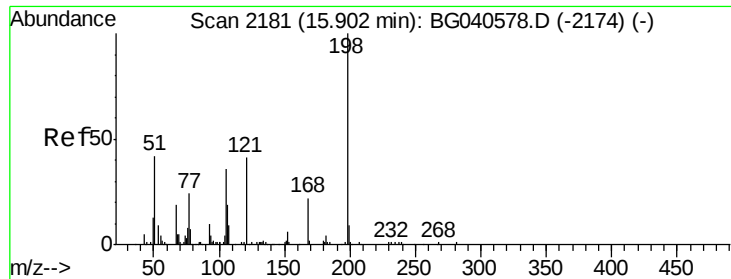


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.322 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.36 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

Instrument :

BNA_G

ClientSampleId :

1-CB-NORTH

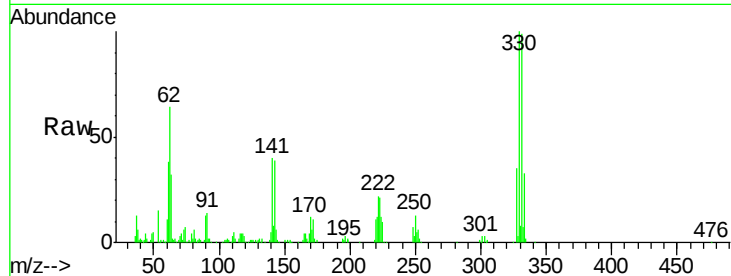
Tot Ion:198 Resp: 382

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

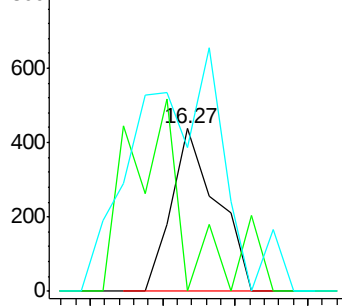
105 23.2 21.2 61.2



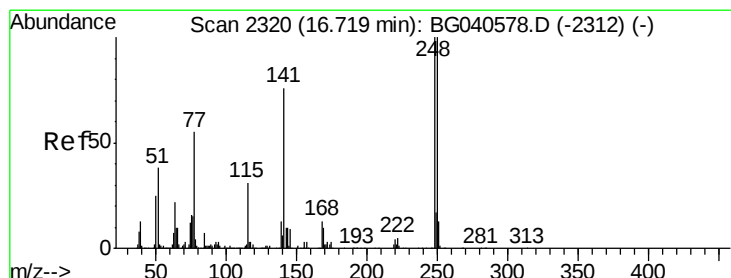
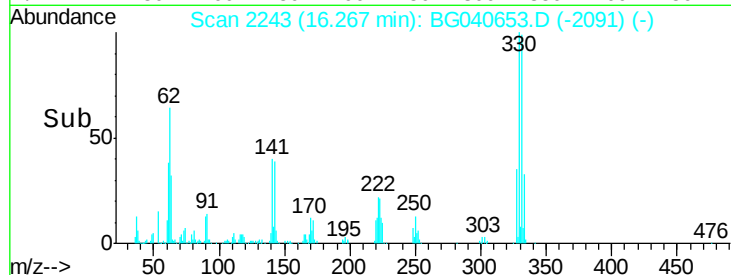
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



Time-->



#67

4-Bromophenyl-phenylether

Concen: 2.032 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG040653.D

Acq: 27 Apr 2019 7:19

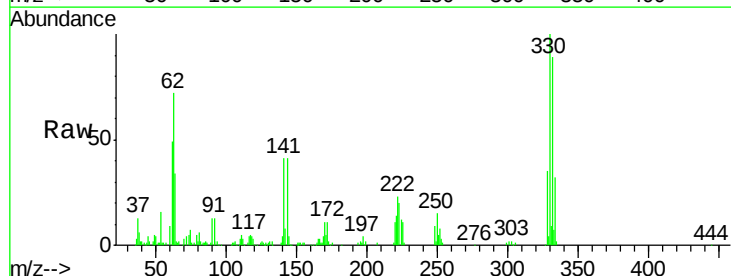
Tgt Ion:248 Resp: 7577

Ion Ratio Lower Upper

248 100

250 216.4 79.8 119.6#

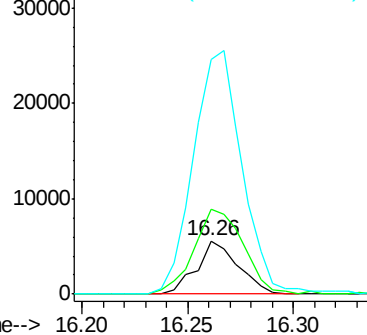
141 441.2 60.8 91.2#



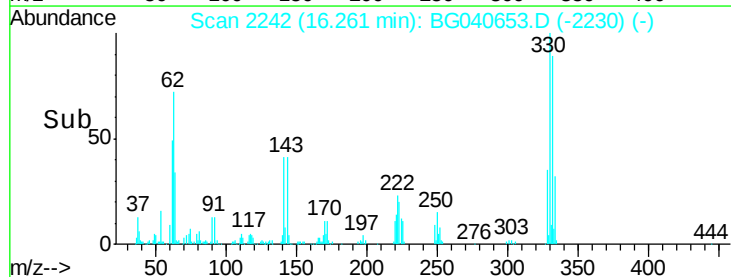
Abundance Ion 248.00 (247.70 to 248.70): E

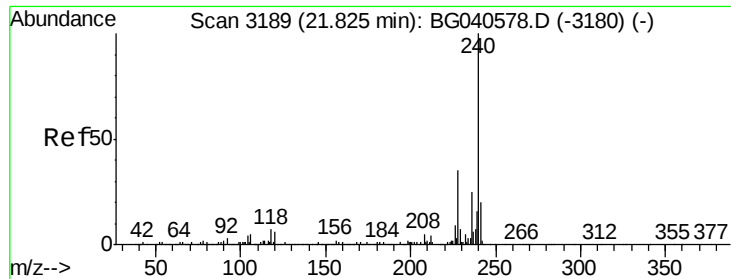
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

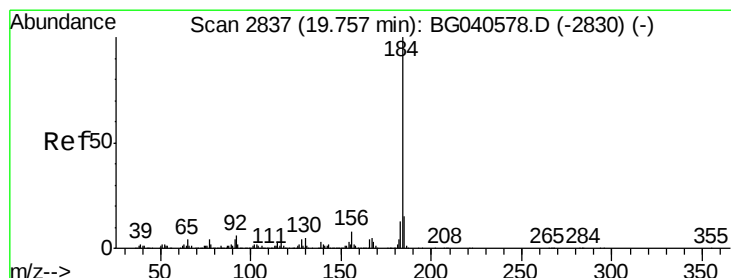
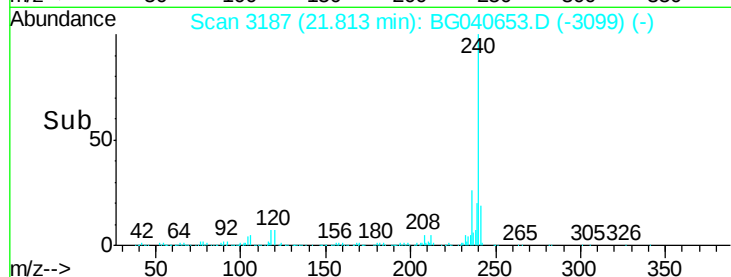
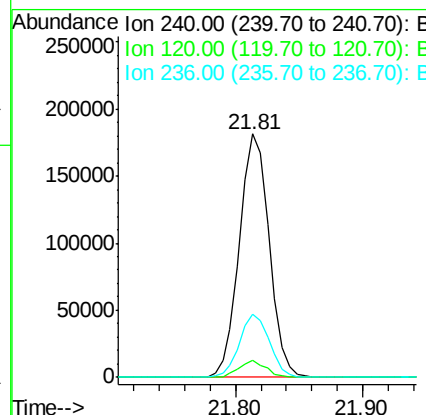
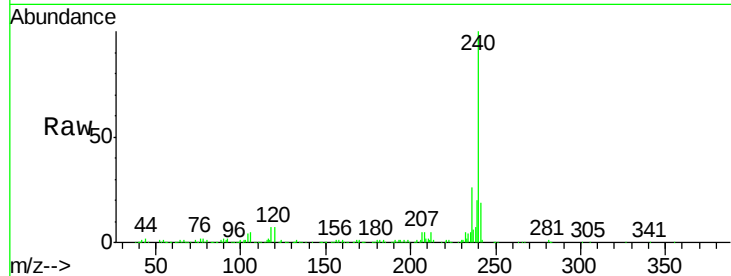




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040653.D
Acq: 27 Apr 2019 7:19

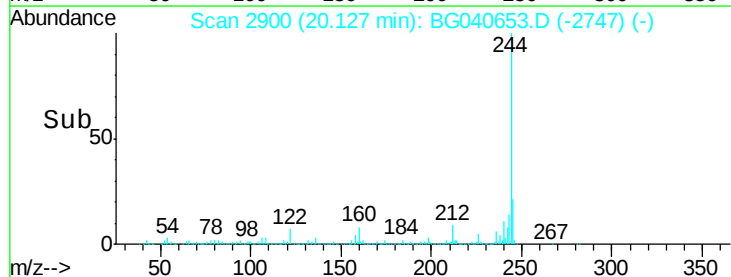
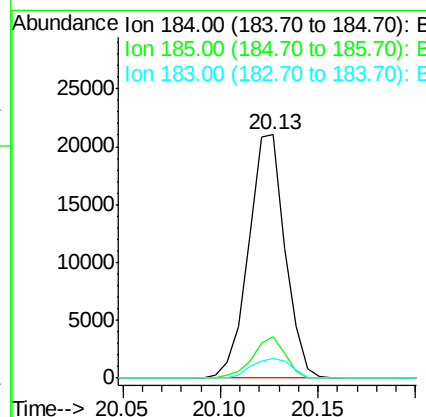
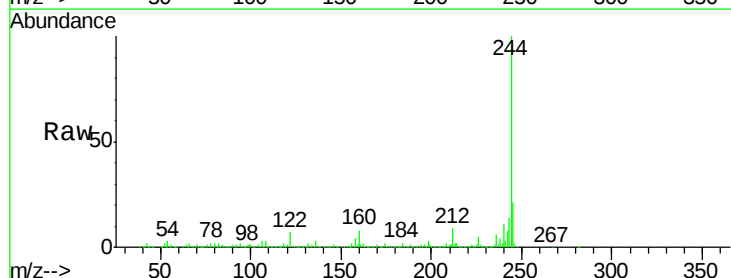
Instrument :
BNA_G
ClientSampleId :
1-CB-NORTH

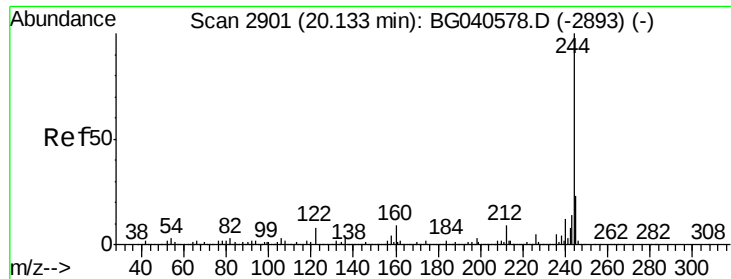
Tot Ion:240 Resp: 295720
Ion Ratio Lower Upper
240 100
120 7.1 5.0 7.6
236 25.8 20.3 30.5



#77
Benzidine
Concen: 3.361 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG040653.D
Acq: 27 Apr 2019 7:19

Tgt Ion:184 Resp: 27216
Ion Ratio Lower Upper
184 100
185 16.9 11.8 17.8
183 7.9 10.2 15.2#



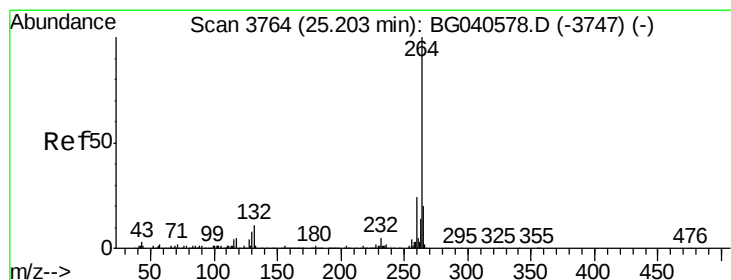
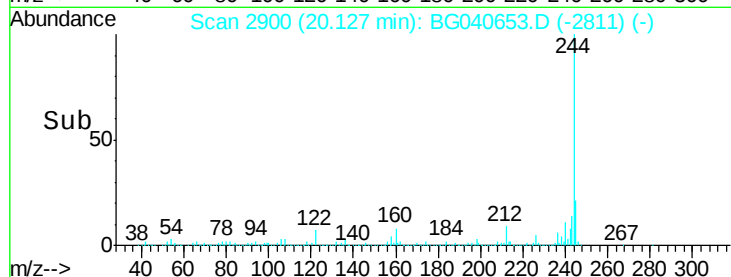
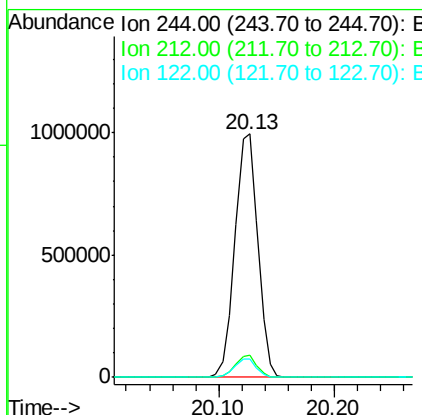
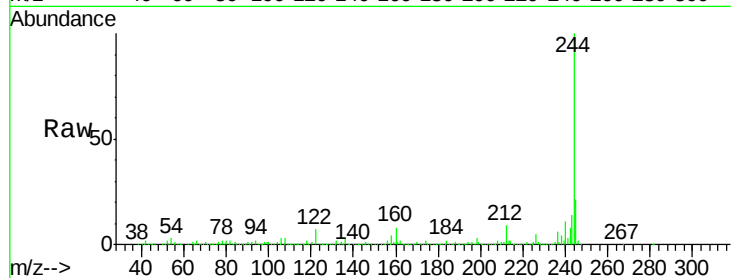


#79
 Terphenyl-d14
 Concen: 102.431 ng
 RT: 20.13 min Scan# 2900
 Delta R.T. -0.01 min
 Lab File: BG040653.D
 Acq: 27 Apr 2019 7:19

Instrument :
 BNA_G
 ClientSampleId :
 1-CB-NORTH

Tot Ion:244 Resp: 1367271

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.2	10.8
122	7.4	6.6	10.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.19 min Scan# 3761
 Delta R.T. -0.02 min
 Lab File: BG040653.D
 Acq: 27 Apr 2019 7:19

Tgt Ion:264 Resp: 316271

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.7	16.6	25.0

