

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\
 Data File : BG040720.D
 Acq On : 2 May 2019 23:26
 Operator : JU/SJ
 Sample : K2617-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ROCK-COMP

Quant Time: May 03 04:25:07 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

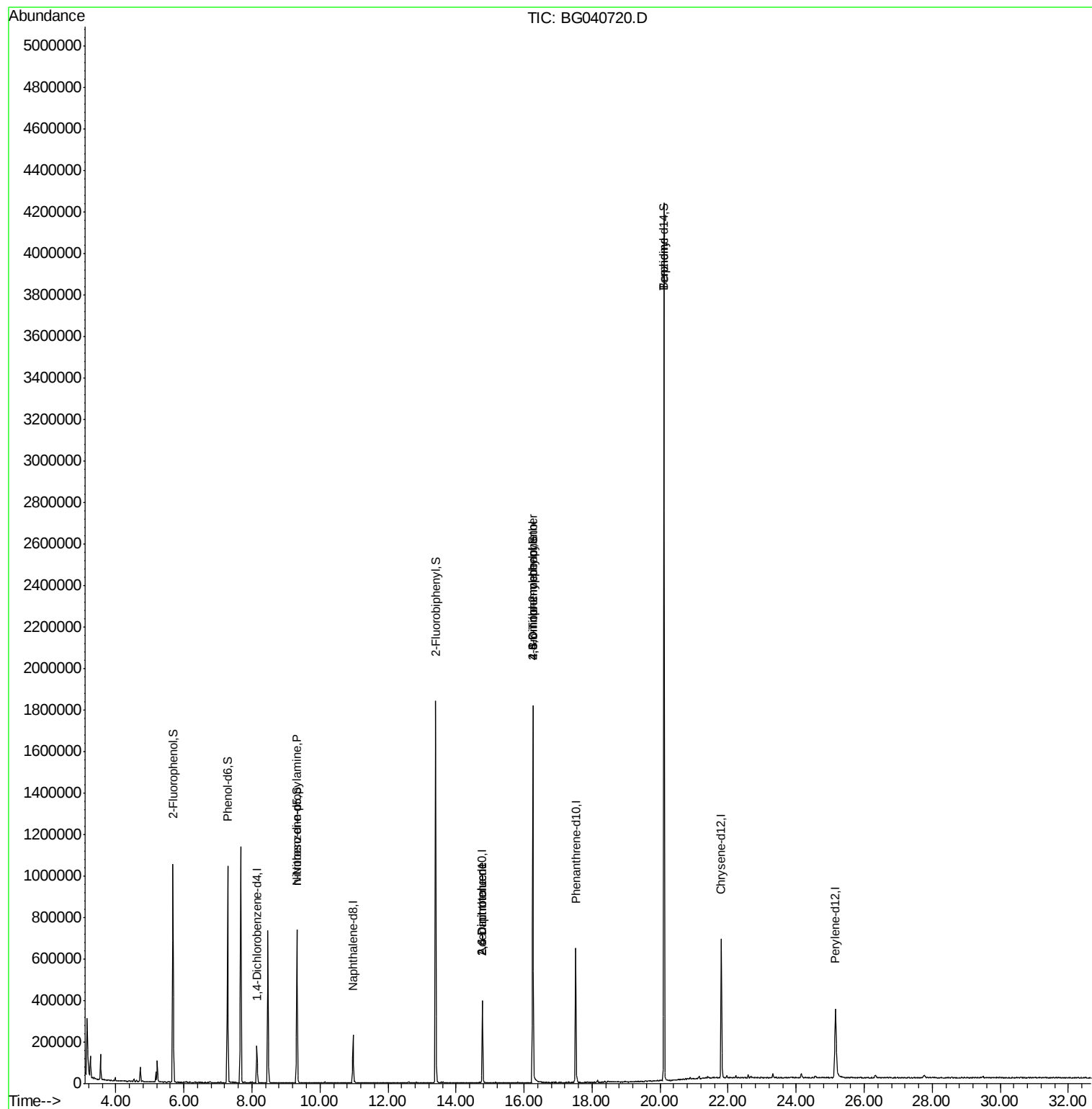
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	46158	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	174862	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	132928	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	390448	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	417130	20.00	ng	-0.03
87) Perylene-d12	25.16	264	420150	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	380483	145.31	ng	0.00
7) Phenol-d6	7.28	99	512071	127.01	ng	-0.01
23) Nitrobenzene-d5	9.32	82	430601	113.78	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	332627	182.05	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	896063	97.35	ng	-0.02
79) Terphenyl-d14	20.12	244	1983896	105.37	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1283	Below Cal	Qvalue	# 24
19) n-Nitroso-di-n-propylamine	9.32	70	60300	16.615 ng	#	74
51) 2,6-Dinitrotoluene	14.77	165	17442	8.035 ng	#	14
57) 2,4-Dinitrotoluene	14.77	165	17442	5.913 ng	#	16
65) 4,6-Dinitro-2-methylphenol	16.26	198	1515	7.772 ng	#	1
67) 4-Bromophenyl-phenylether	16.26	248	23910	4.915 ng	#	1
77) Benizidine	20.11	184	38216	3.346 ng	#	93

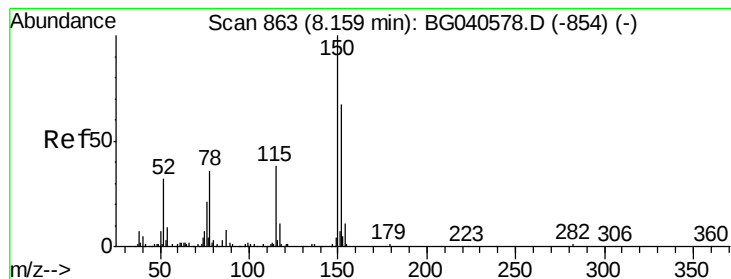
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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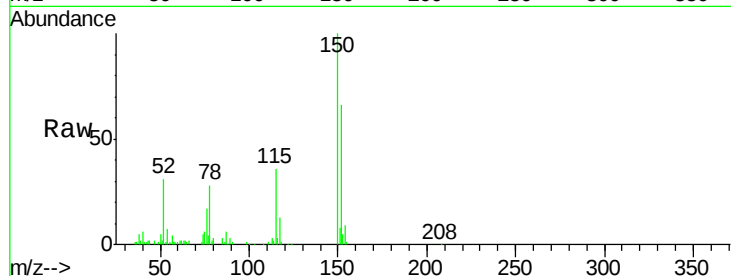


#1

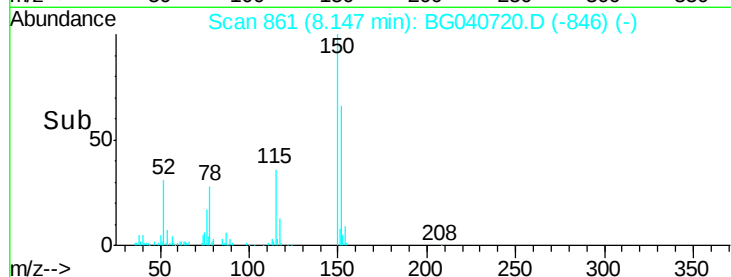
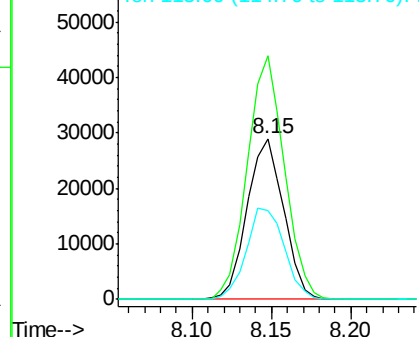
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040720.D
Acq: 2 May 2019 23:26

Instrument :
BNA_G
ClientSampleId :
ROCK-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	120.2	180.2
115	54.9	46.2	69.2



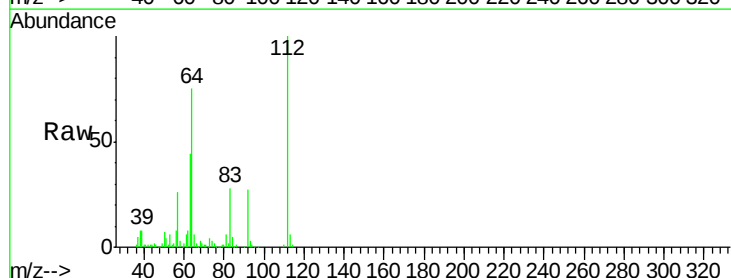
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



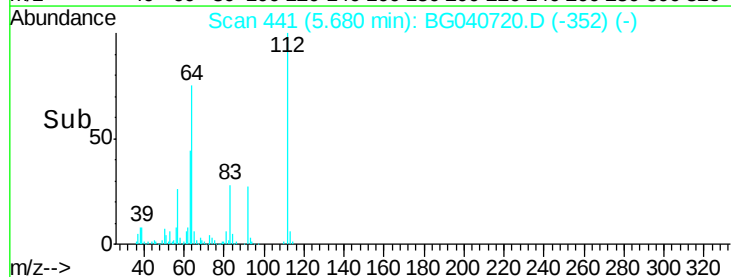
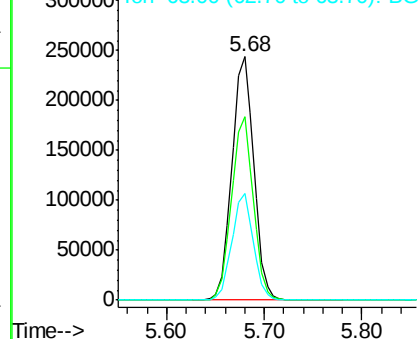
#5

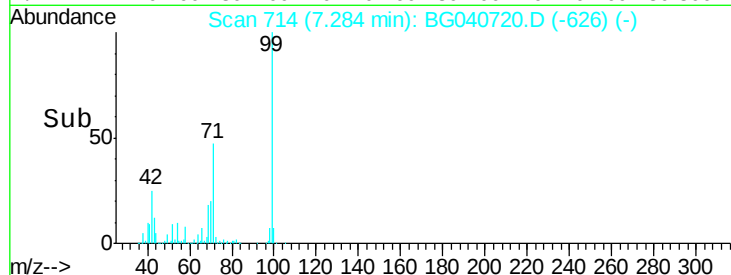
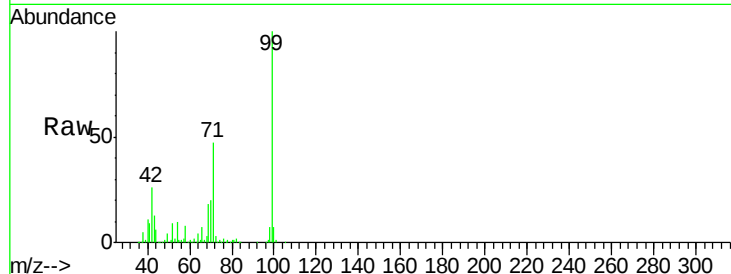
2-Fluorophenol
Concen: 145.306 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040720.D
Acq: 2 May 2019 23:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.5	61.4	92.0
63	44.0	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: 127.010 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040720.D

Acq: 2 May 2019 23:26

Instrument :

BNA_G

ClientSampleId :

ROCK-COMP

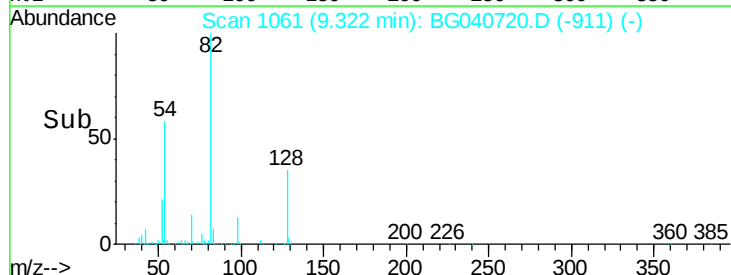
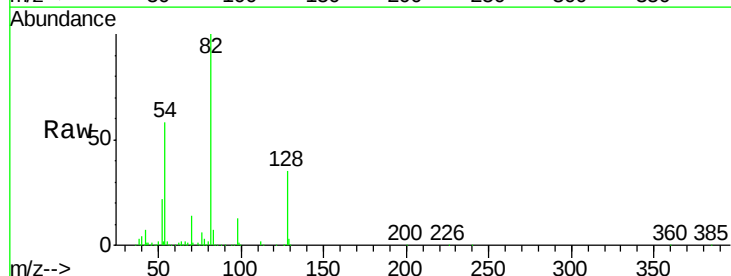
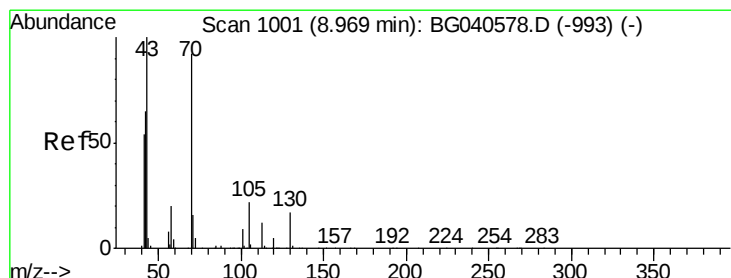
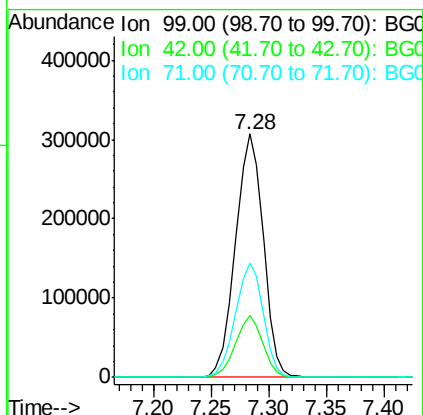
Tot Ion: 99 Resp: 512071

Ion Ratio Lower Upper

99 100

42 25.5 21.8 32.8

71 46.7 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.615 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040720.D

Acq: 2 May 2019 23:26

Tgt Ion: 70 Resp: 60300

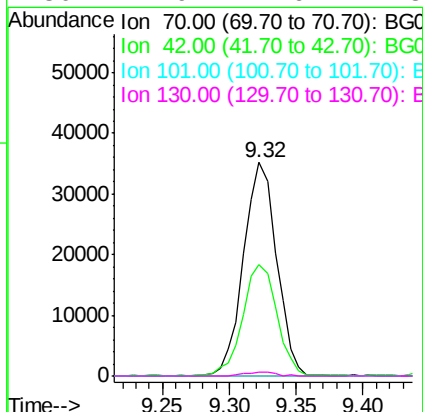
Ion Ratio Lower Upper

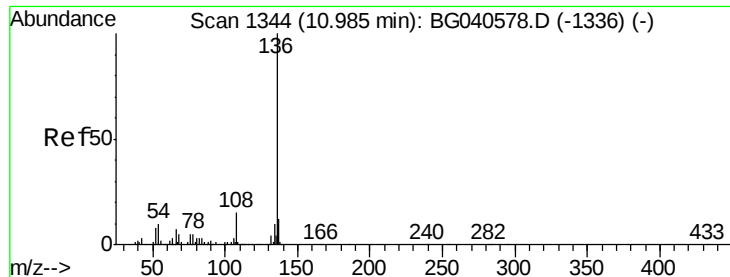
70 100

42 51.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.9 14.6 21.8#

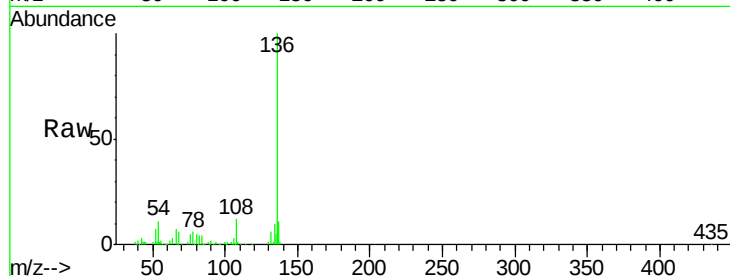




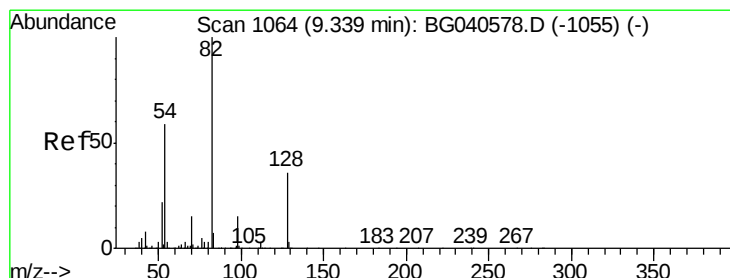
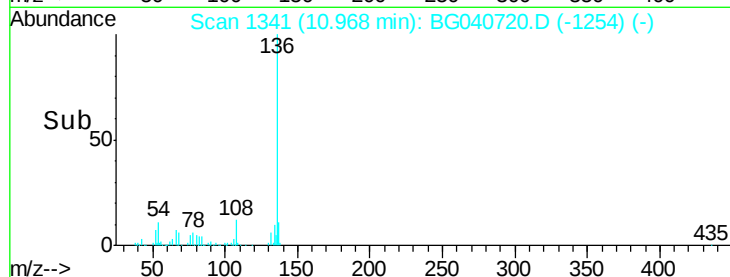
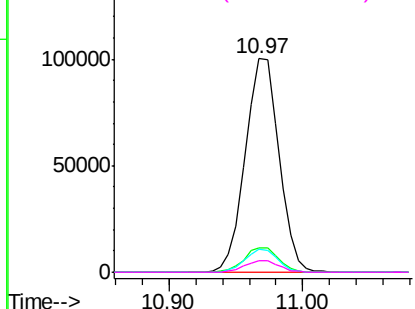
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040720.D
Acq: 2 May 2019 23:26

Instrument :
BNA_G
ClientSampleId :
ROCK-COMP

Tot Ion:136	Resp:	174862
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.7 14.5
54	10.8	8.6 12.8
68	5.5	4.8 7.2

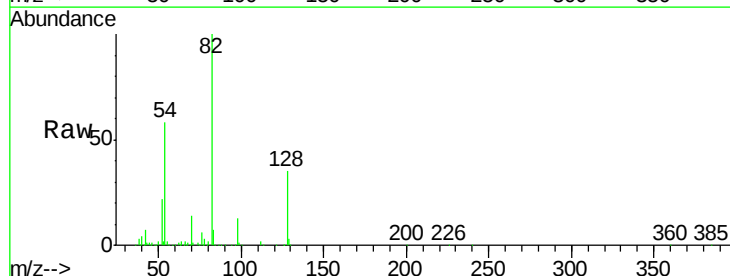


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

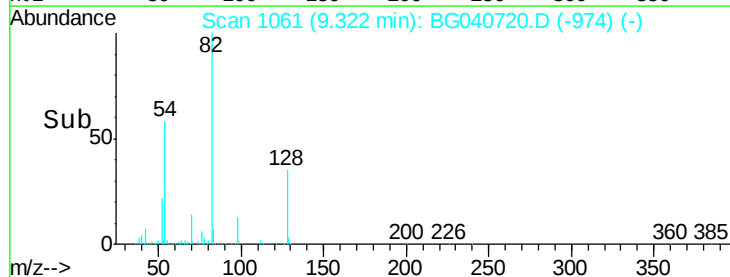
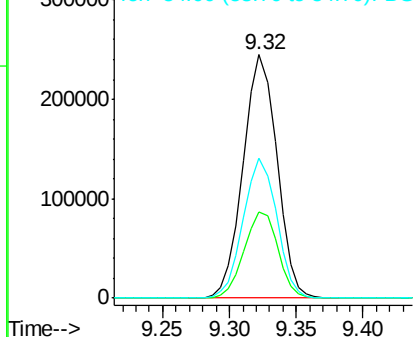


#23
Nitrobenzene-d5
Concen: 113.784 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040720.D
Acq: 2 May 2019 23:26

Tgt Ion: 82	Resp:	430601
Ion	Ratio	Lower Upper
82	100	
128	35.4	28.9 43.3
54	57.7	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: BG040720.D

Acq: 2 May 2019 23:26

Instrument :

BNA_G

ClientSampleId :

ROCK-COMP

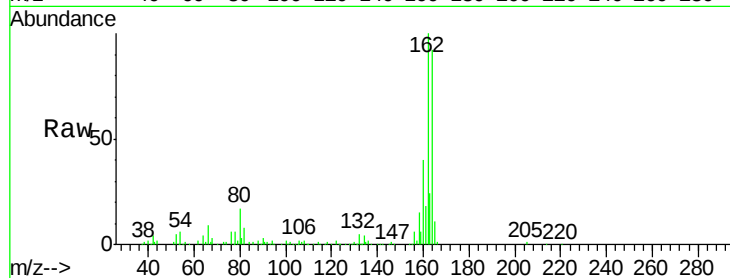
Tot Ion:164 Resp: 132928

Ion Ratio Lower Upper

164 100

162 109.0 81.9 122.9

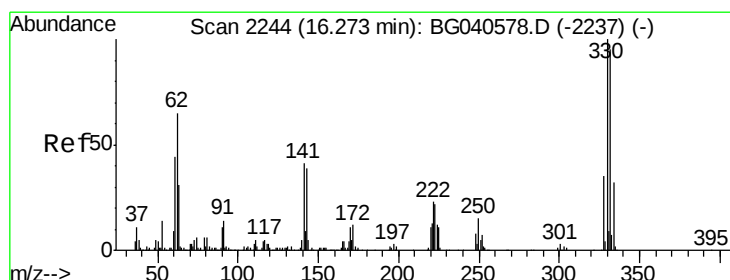
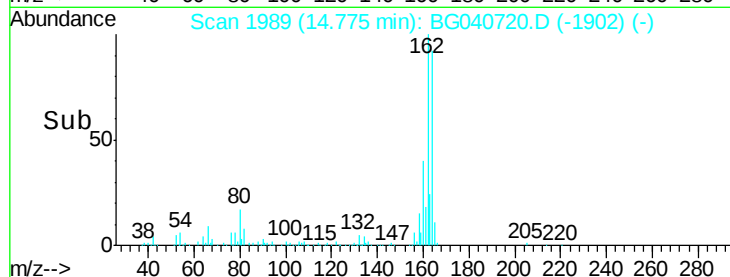
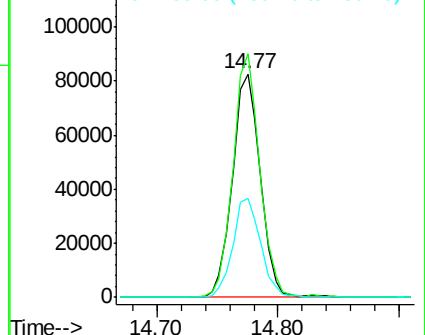
160 44.1 35.4 53.2



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: 182.049 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040720.D

Acq: 2 May 2019 23:26

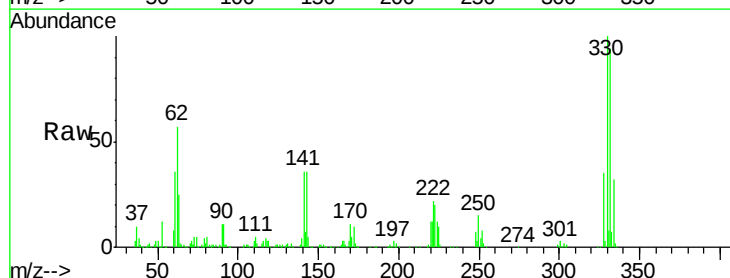
Tgt Ion:330 Resp: 332627

Ion Ratio Lower Upper

330 100

332 96.7 75.9 113.9

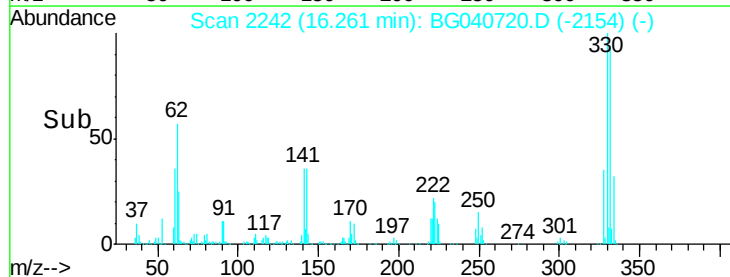
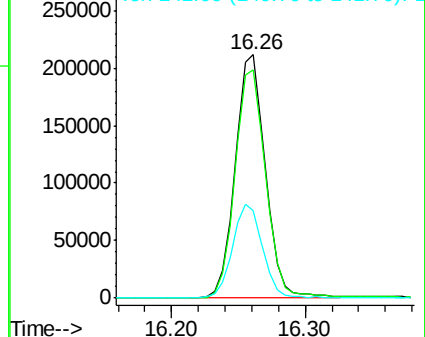
141 38.8 32.4 48.6

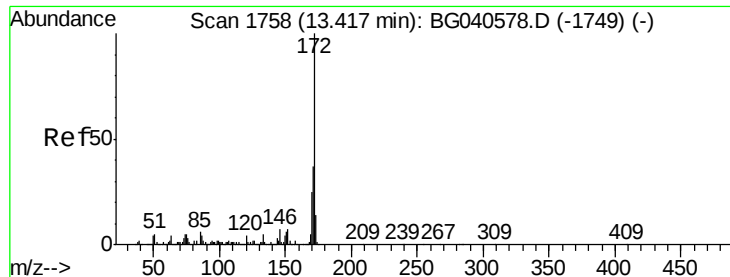


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

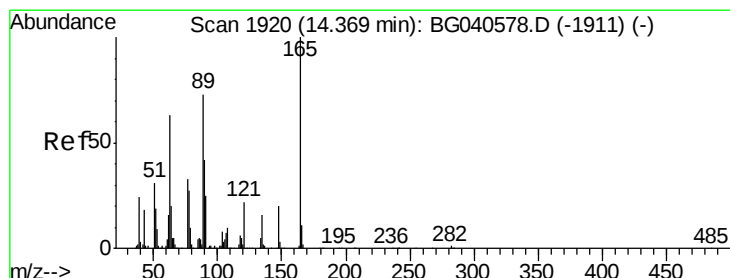
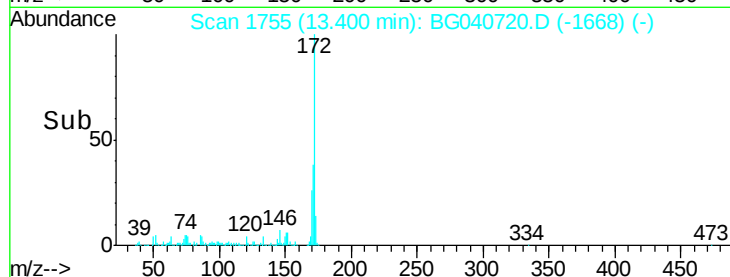
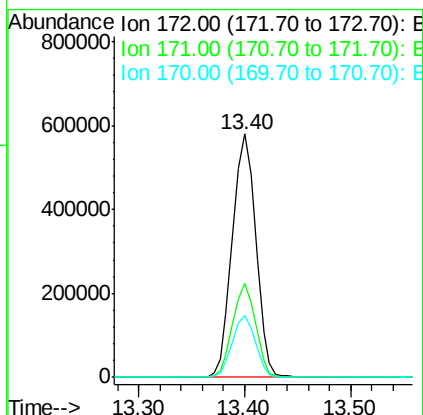
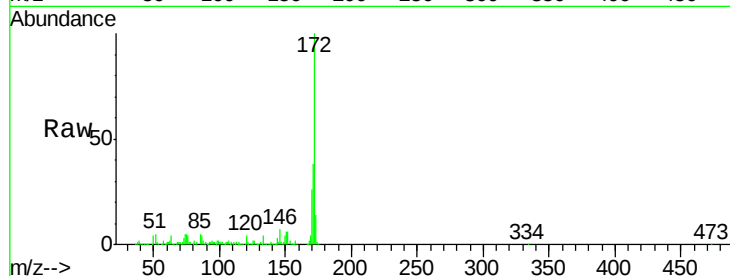




#45
2-Fluorobiphenyl
Concen: 97.353 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG040720.D
Acq: 2 May 2019 23:26

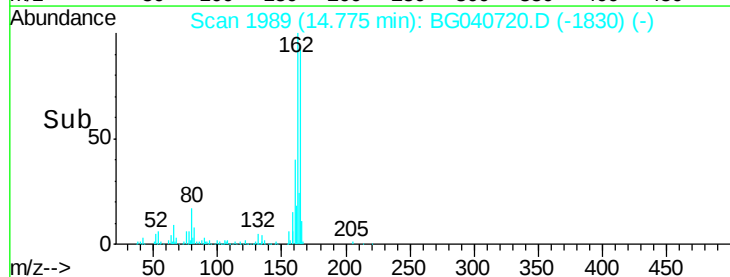
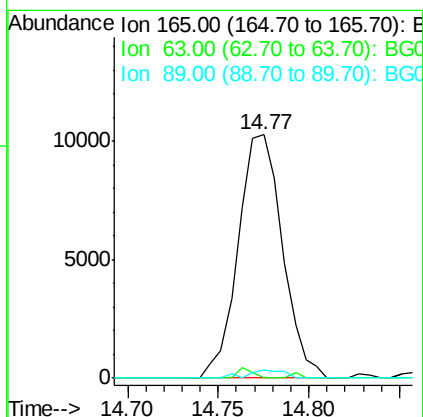
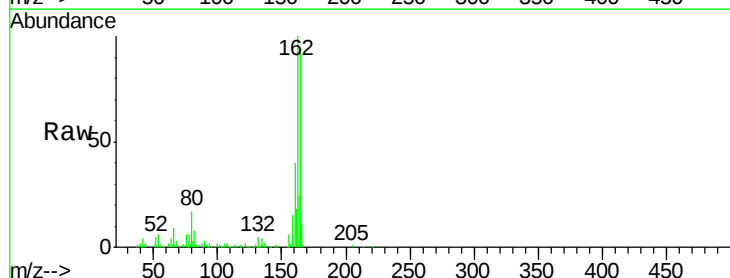
Instrument :
BNA_G
ClientSampleId :
ROCK-COMP

Tot Ion:172 Resp: 896063
Ion Ratio Lower Upper
172 100
171 38.4 29.4 44.2
170 25.5 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 8.035 ng
RT: 14.77 min Scan# 1989
Delta R.T. 0.41 min
Lab File: BG040720.D
Acq: 2 May 2019 23:26

Tgt Ion:165 Resp: 17442
Ion Ratio Lower Upper
165 100
63 0.0 61.0 91.4#
89 3.3 58.6 87.8#





#57

2,4-Dinitrotoluene

Concen: 5.913 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.37 min

Lab File: BG040720.D

Acq: 2 May 2019 23:26

Instrument :

BNA_G

ClientSampleId :

ROCK-COMP

Tot Ion:165 Resp: 17442

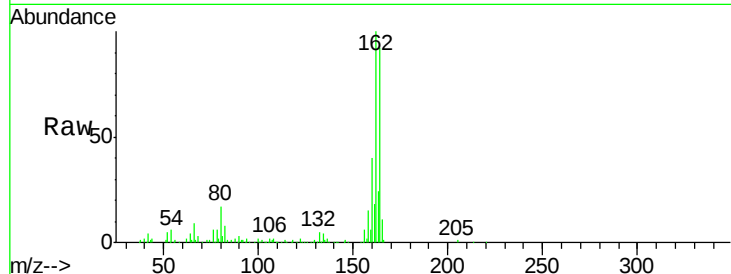
Ion Ratio Lower Upper

165 100

63 0.0 45.8 68.8#

89 3.3 69.4 104.2#

182 0.0 2.2 3.4#

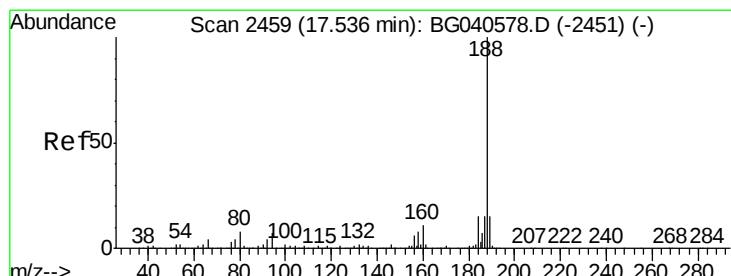
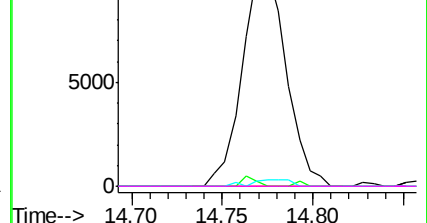
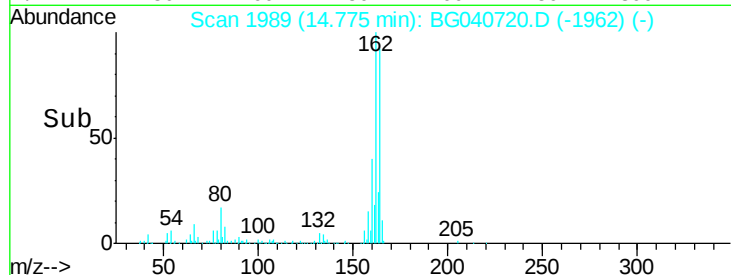


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040720.D

Acq: 2 May 2019 23:26

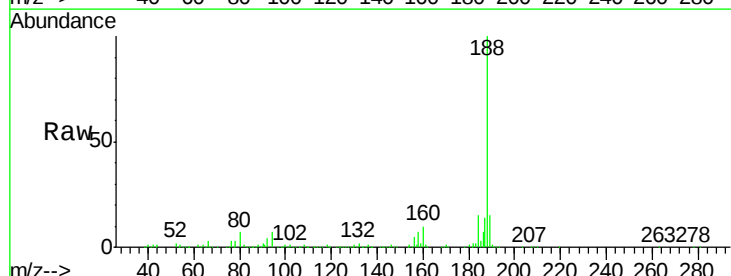
Tgt Ion:188 Resp: 390448

Ion Ratio Lower Upper

188 100

94 6.5 5.6 8.4

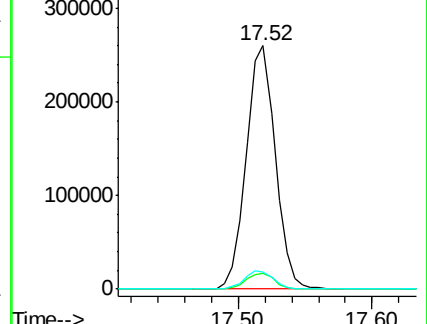
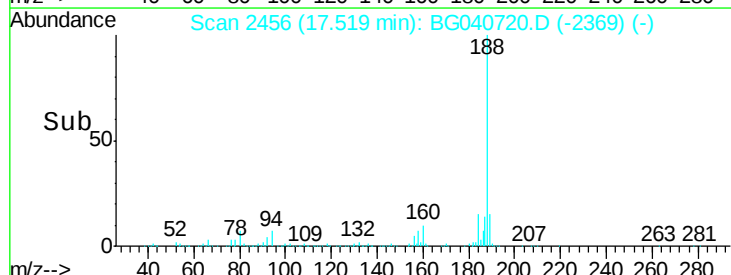
80 6.9 6.4 9.6

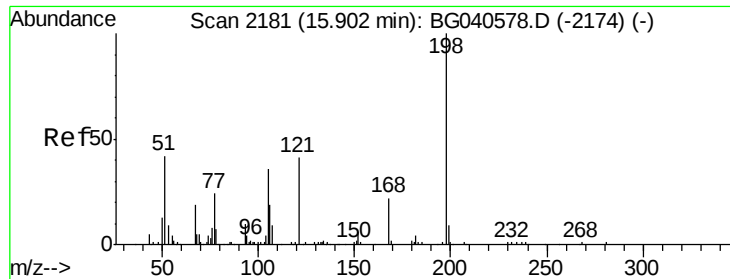


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.772 ng

RT: 16.26 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040720.D

Acq: 2 May 2019 23:26

Instrument :

BNA_G

ClientSampleId :

ROCK-COMP

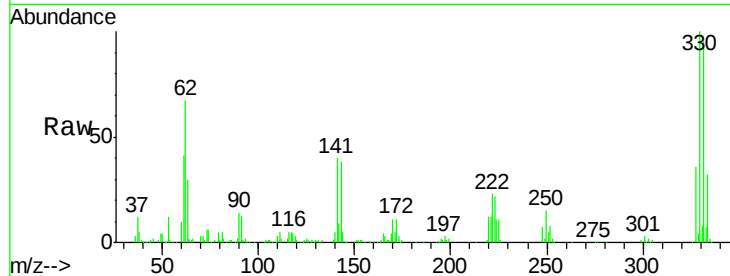
Tot Ion:198 Resp: 1515

Ion Ratio Lower Upper

198 100

51 91.0 35.9 75.9#

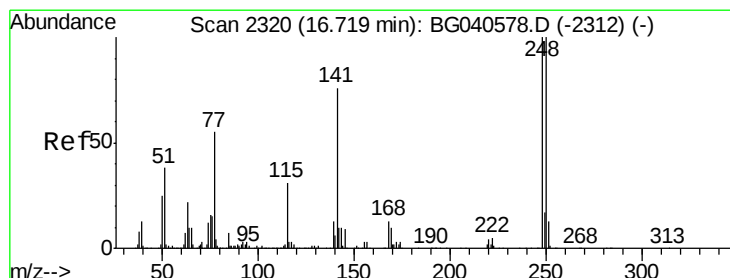
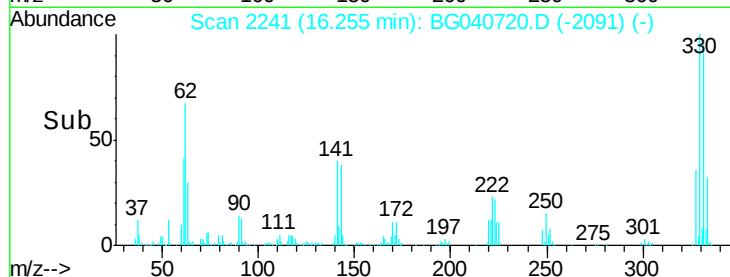
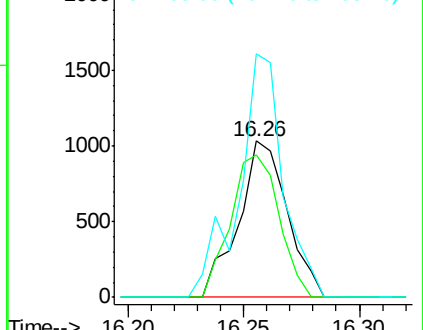
105 155.7 21.2 61.2#



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: 4.915 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG040720.D

Acq: 2 May 2019 23:26

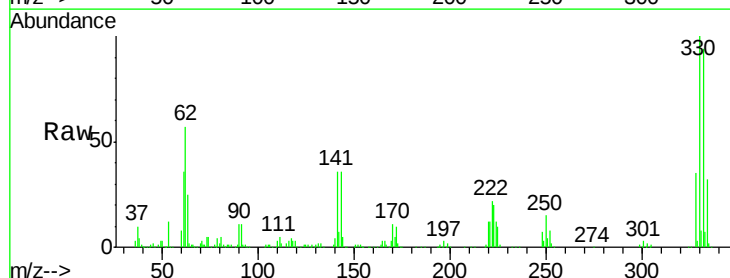
Tgt Ion:248 Resp: 23910

Ion Ratio Lower Upper

248 100

250 196.3 79.8 119.6#

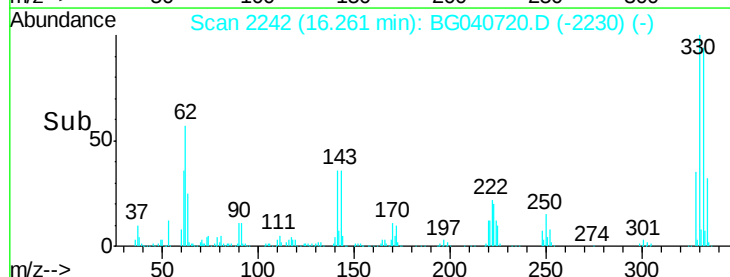
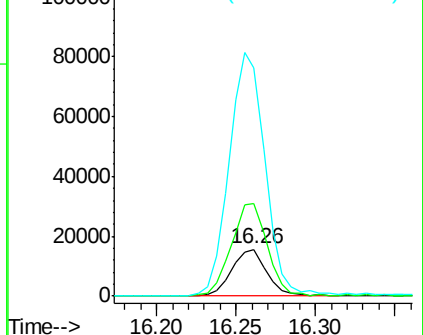
141 485.5 60.8 91.2#

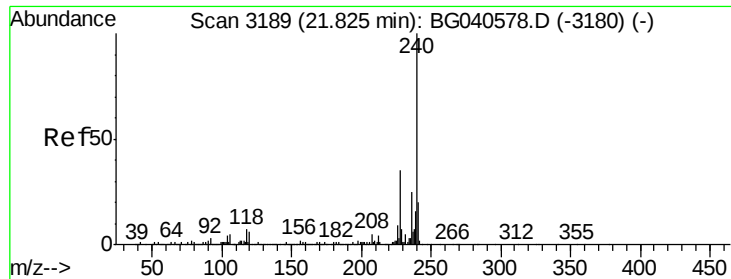


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

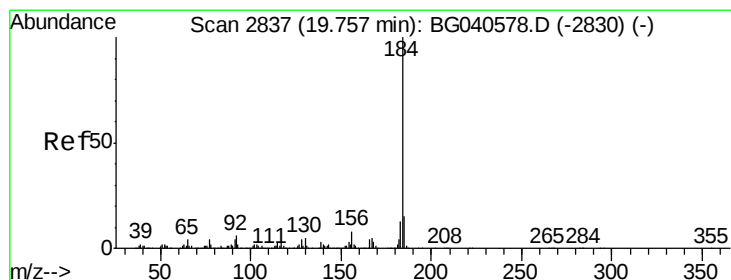
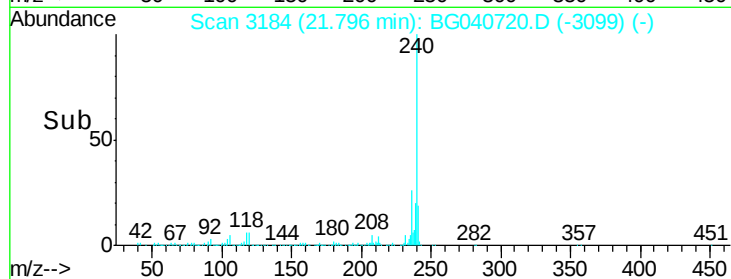
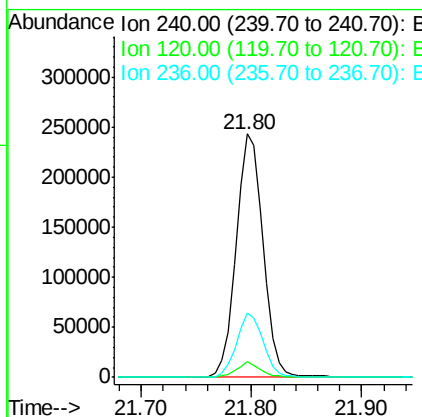
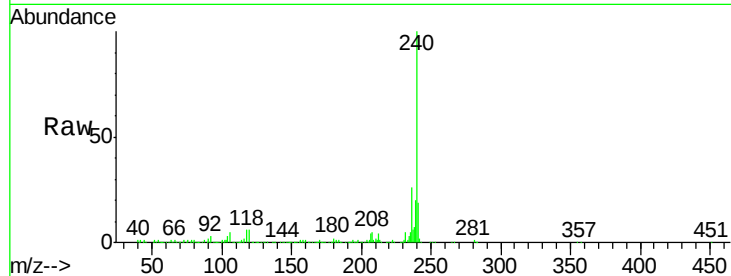




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3184
 Delta R.T. -0.03 min
 Lab File: BG040720.D
 Acq: 2 May 2019 23:26

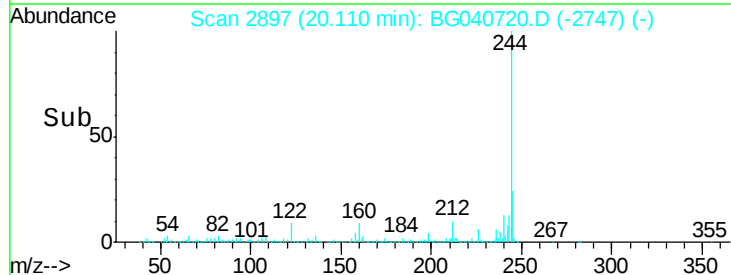
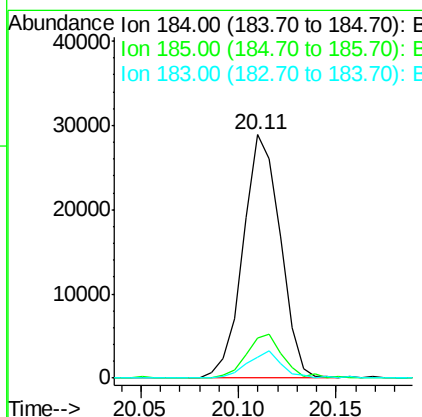
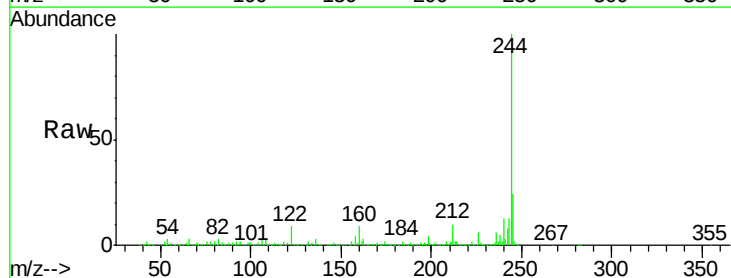
Instrument :
 BNA_G
 ClientSampleId :
 ROCK-COMP

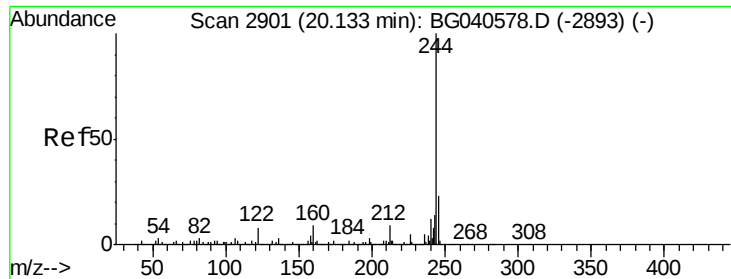
Tot Ion:240 Resp: 417130
 Ion Ratio Lower Upper
 240 100
 120 6.3 5.0 7.6
 236 26.2 20.3 30.5



#77
 Benzidine
 Concen: 3.346 ng
 RT: 20.11 min Scan# 2897
 Delta R.T. 0.35 min
 Lab File: BG040720.D
 Acq: 2 May 2019 23:26

Tgt Ion:184 Resp: 38216
 Ion Ratio Lower Upper
 184 100
 185 16.3 11.8 17.8
 183 8.5 10.2 15.2#

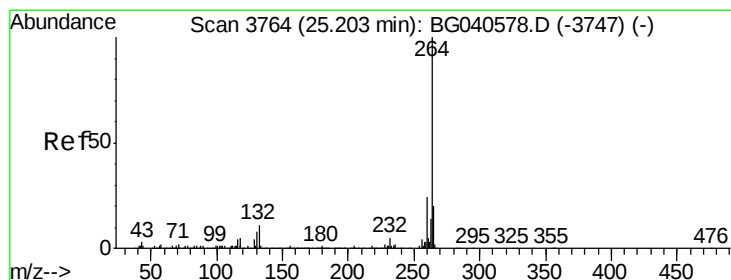
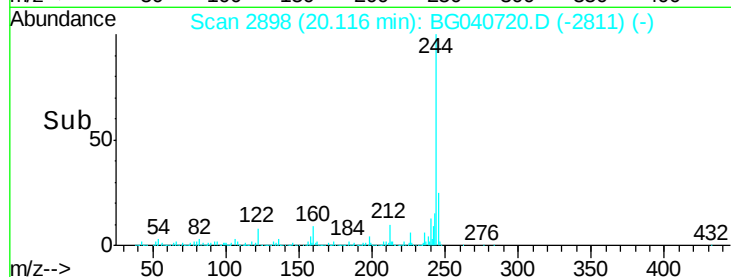
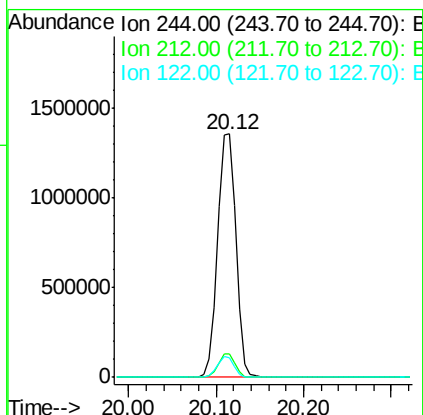
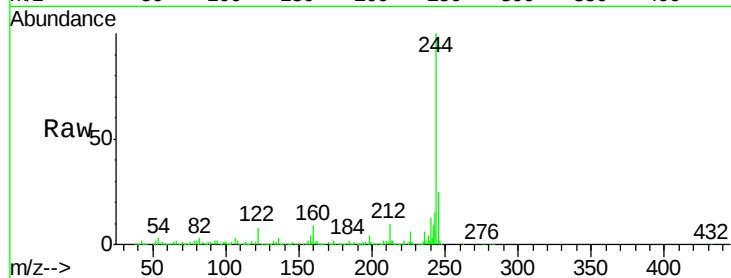




#79
 Terphenyl-d14
 Concen: 105.367 ng
 RT: 20.12 min Scan# 2898
 Delta R.T. -0.02 min
 Lab File: BG040720.D
 Acq: 2 May 2019 23:26

Instrument :
 BNA_G
 ClientSampleId :
 ROCK-COMP

Tot Ion:244 Resp: 1983896
 Ion Ratio Lower Upper
 244 100
 212 9.8 7.2 10.8
 122 8.1 6.6 10.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3756
 Delta R.T. -0.05 min
 Lab File: BG040720.D
 Acq: 2 May 2019 23:26

Tgt Ion:264 Resp: 420150
 Ion Ratio Lower Upper
 264 100
 260 26.1 19.2 28.8
 265 21.7 16.6 25.0

