

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
 Data File : BG061192.D
 Acq On : 14 May 2024 16:34
 Operator : MA/JU
 Sample : P2330-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G-2(5.0-6.0)

Quant Time: May 14 17:21:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

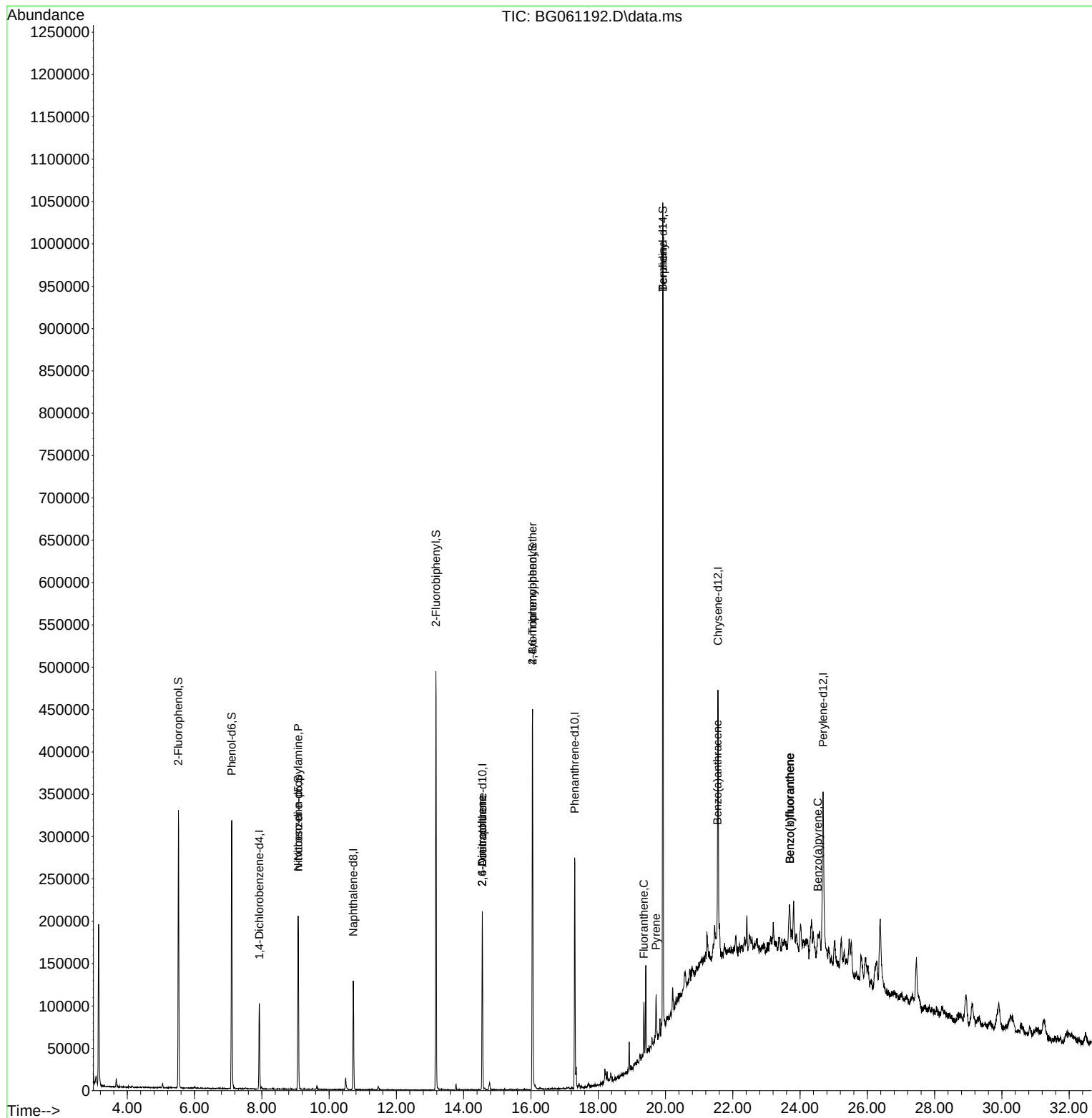
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	24478	20.000	ng	-0.03
21) Naphthalene-d8	10.720	136	98152	20.000	ng	-0.04
39) Acenaphthene-d10	14.557	164	77131	20.000	ng	-0.03
64) Phenanthrene-d10	17.301	188	182327	20.000	ng	-0.03
76) Chrysene-d12	21.560	240	181163	20.000	ng	-0.03
86) Perylene-d12	24.686	264	218501	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.520	112	113548	94.341	ng	-0.03
7) Phenol-d6	7.107	99	150091	84.297	ng	-0.03
23) Nitrobenzene-d5	9.081	82	103127	52.085	ng	-0.04
42) 2,4,6-Tribromophenol	16.049	330	104102	67.524	ng	-0.03
45) 2-Fluorobiphenyl	13.176	172	258619	49.581	ng	-0.03
79) Terphenyl-d14	19.921	244	523197	48.031	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.113	77	149	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.081	70	14961	11.228	ng	# 60
51) 2,6-Dinitrotoluene	14.551	165	9730	7.636	ng	# 16
57) 2,4-Dinitrotoluene	14.551	165	9730	5.161	ng	# 18
67) 4-Bromophenyl-phenylether	16.049	248	7014	3.266	ng	# 1
75) Fluoranthene	19.357	202	43077	3.772	ng	99
77) Benzidine	19.921	184	8045	4.993	ng	# 90
78) Pyrene	19.721	202	40167	3.487	ng	99
81) Benzo(a)anthracene	21.543	228	24316	2.051	ng	# 96
88) Benzo(b)fluoranthene	23.699	252	30686	2.513	ng	# 78
89) Benzo(k)fluoranthene	23.699	252	30686	2.612	ng	# 76
90) Benzo(a)pyrene	24.528	252	21690	2.039	ng	# 84

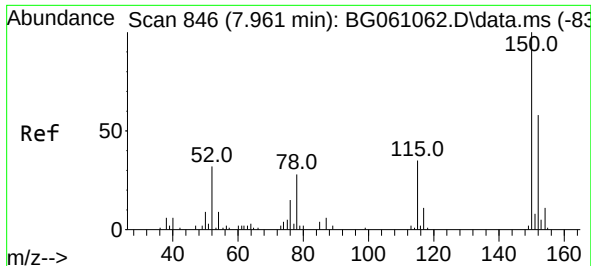
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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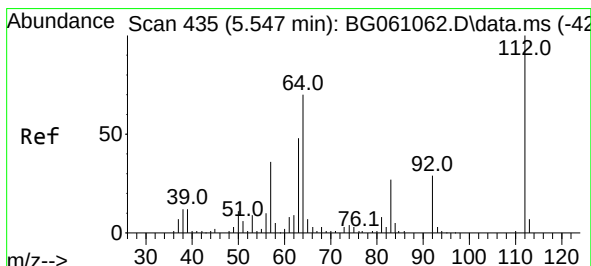
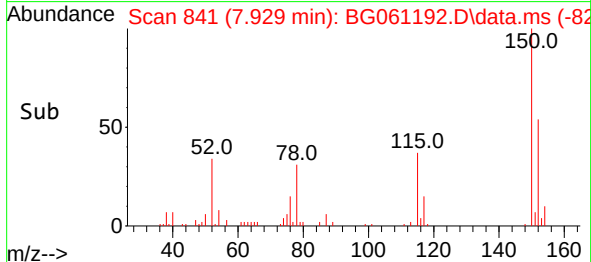
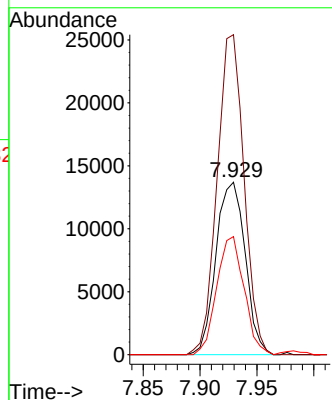
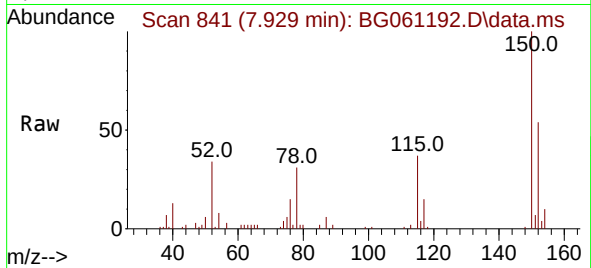




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 846
Delta R.T. -0.032 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

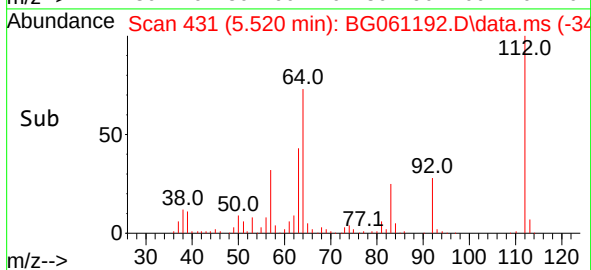
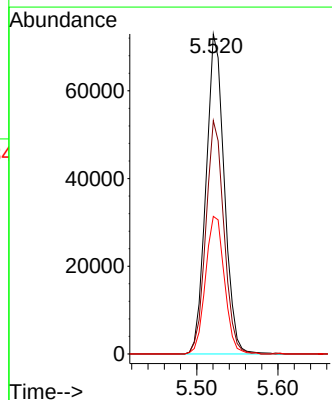
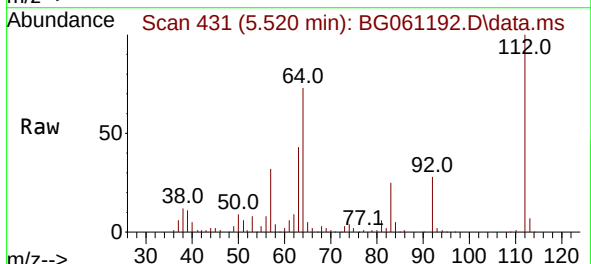
Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

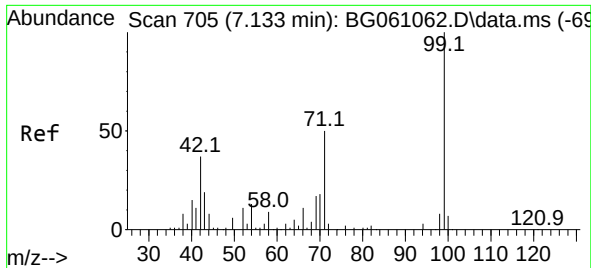
Tgt Ion:152 Resp: 24478
Ion Ratio Lower Upper
152 100
150 185.5 138.3 207.5
115 68.5 48.0 72.0



#5
2-Fluorophenol
Concen: 94.341 ng
RT: 5.520 min Scan# 431
Delta R.T. -0.026 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:112 Resp: 113548
Ion Ratio Lower Upper
112 100
64 72.9 55.7 83.5
63 43.0 38.1 57.1





#7

Phenol-d6

Concen: 84.297 ng

RT: 7.107 min Scan# 705

Delta R.T. -0.026 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

Instrument :

BNA_G

ClientSampleId :

G-2(5.0-6.0)

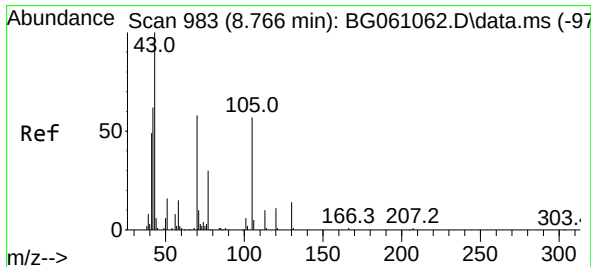
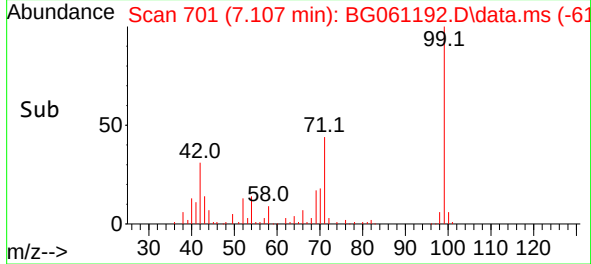
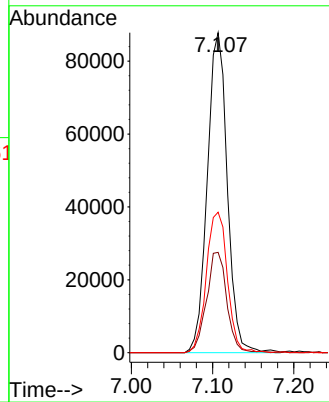
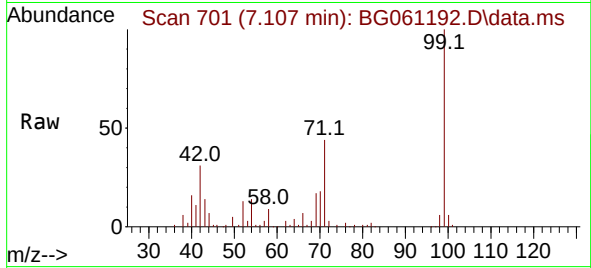
Tgt Ion: 99 Resp: 150091

Ion Ratio Lower Upper

99 100

42 31.3 29.2 43.8

71 43.9 39.7 59.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.228 ng

RT: 9.081 min Scan# 1037

Delta R.T. 0.315 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

Tgt Ion: 70 Resp: 14961

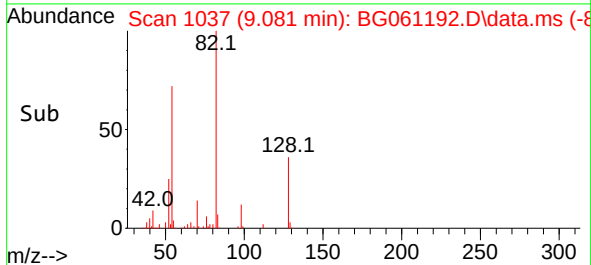
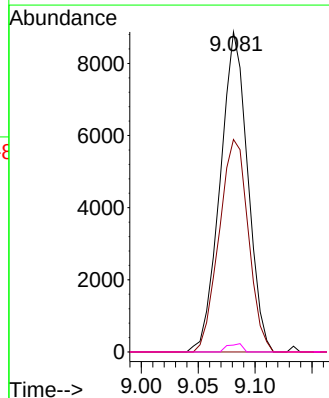
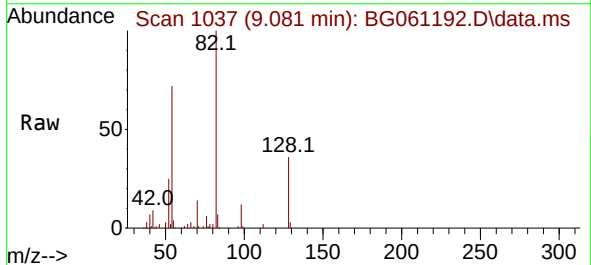
Ion Ratio Lower Upper

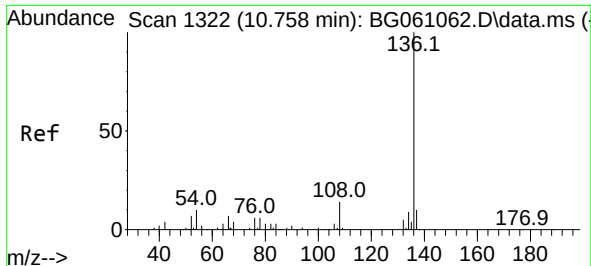
70 100

42 66.4 86.4 129.6#

101 0.0 7.8 11.8#

130 2.1 19.0 28.4#

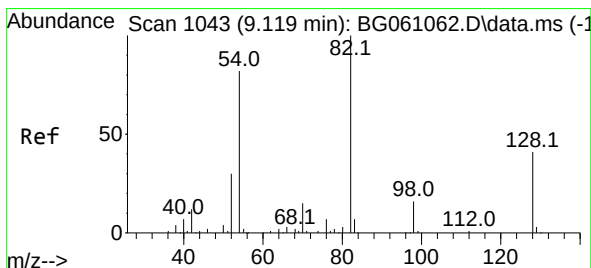
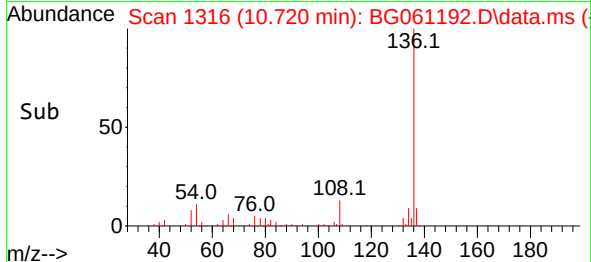
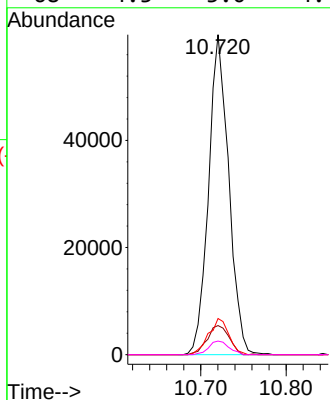
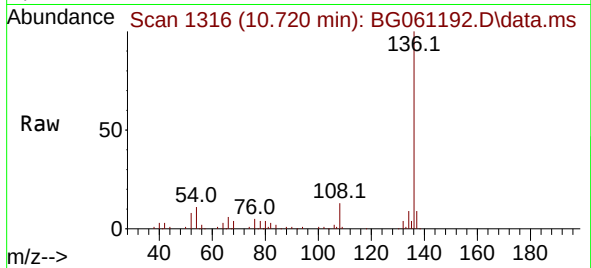




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 11
Delta R.T. -0.038 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

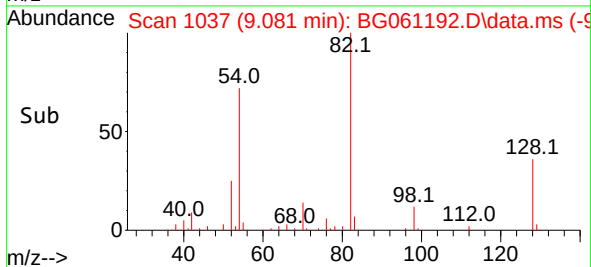
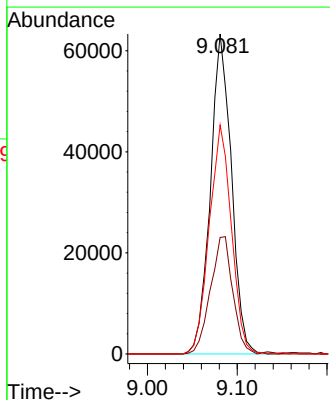
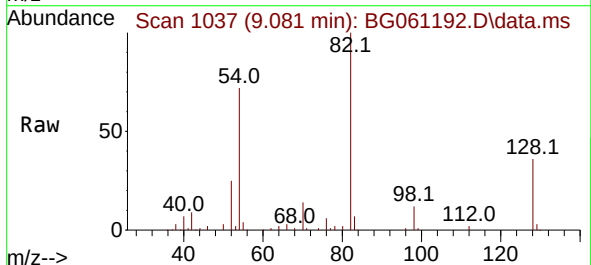
Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

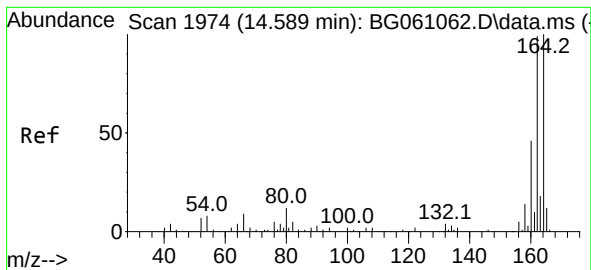
Tgt Ion:	136	Resp:	98152
Ion Ratio	Lower	Upper	
136	100		
137	9.1	7.8	11.6
54	11.3	8.1	12.1
68	4.3	3.0	4.4



#23
Nitrobenzene-d5
Concen: 52.085 ng
RT: 9.081 min Scan# 1037
Delta R.T. -0.038 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:	82	Resp:	103127
Ion Ratio	Lower	Upper	
82	100		
128	36.4	32.7	49.1
54	71.6	65.6	98.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

Instrument :

BNA_G

ClientSampleId :

G-2(5.0-6.0)

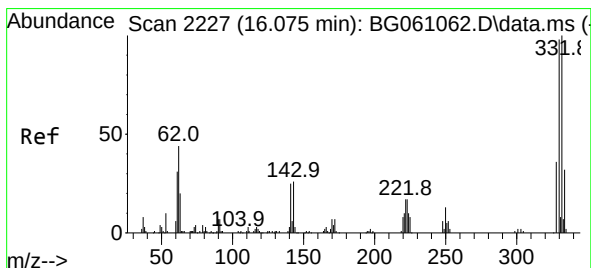
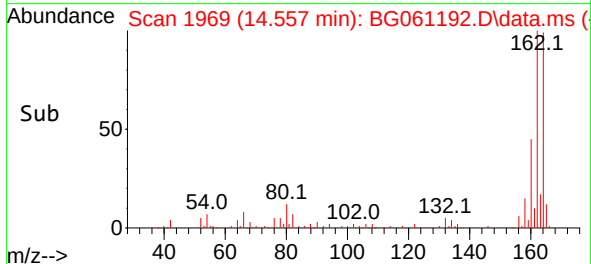
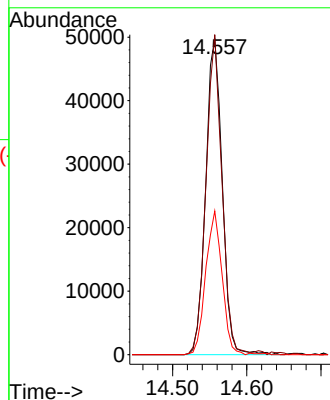
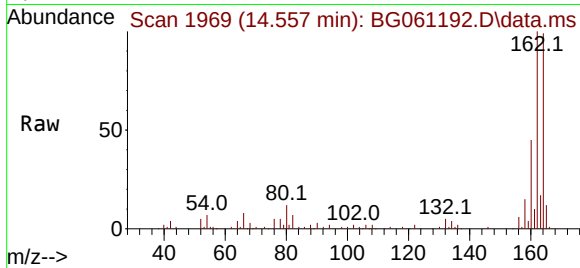
Tgt Ion:164 Resp: 77131

Ion Ratio Lower Upper

164 100

162 101.2 79.4 119.2

160 45.4 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 67.524 ng

RT: 16.049 min Scan# 2223

Delta R.T. -0.026 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

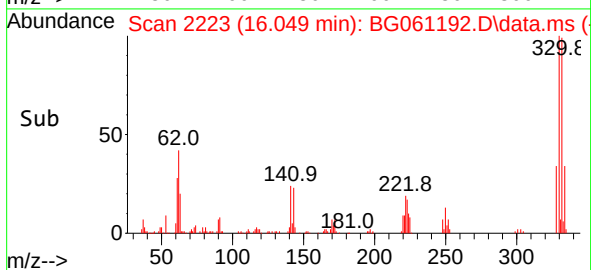
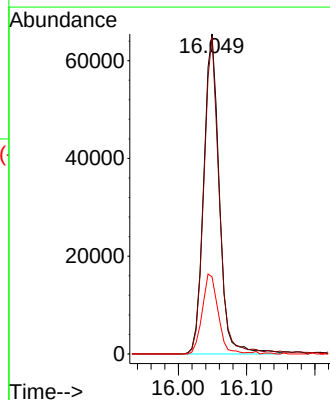
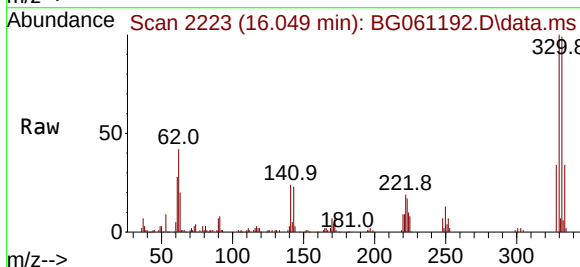
Tgt Ion:330 Resp: 104102

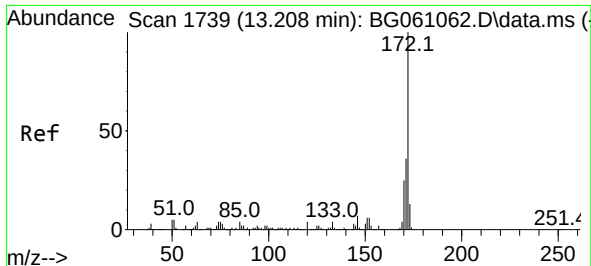
Ion Ratio Lower Upper

330 100

332 96.6 78.6 117.8

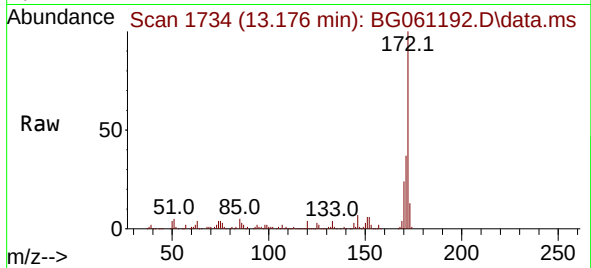
141 25.3 20.5 30.7



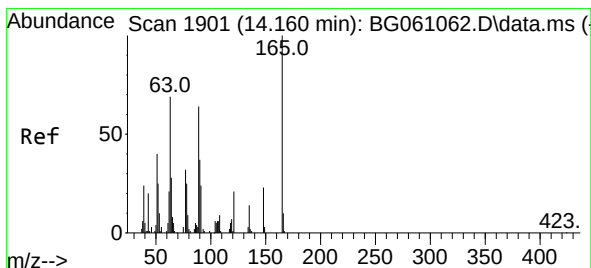
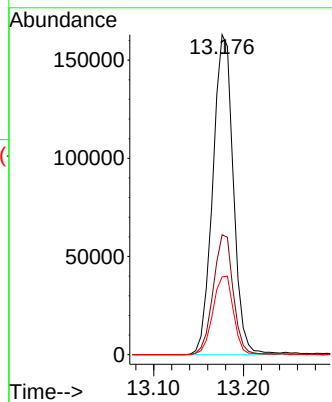
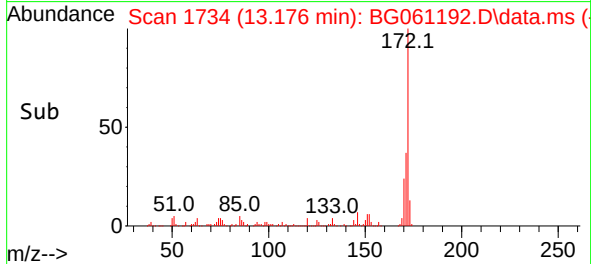


#45
2-Fluorobiphenyl
Concen: 49.581 ng
RT: 13.176 min Scan# 1734
Delta R.T. -0.032 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

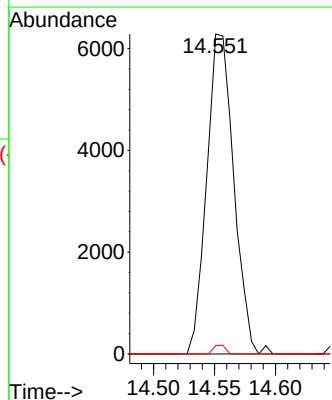
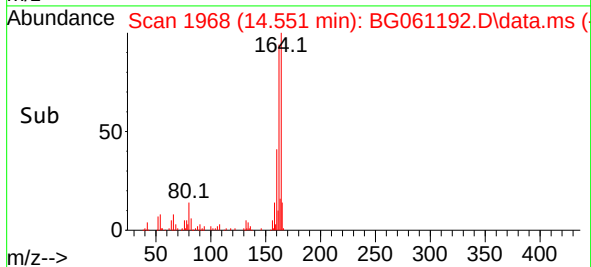
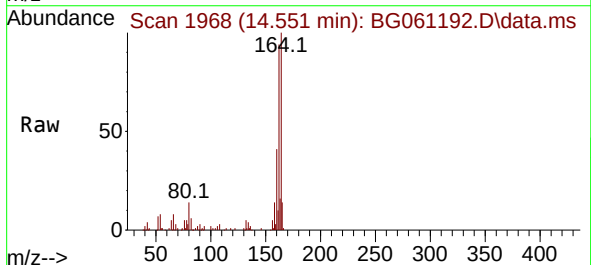


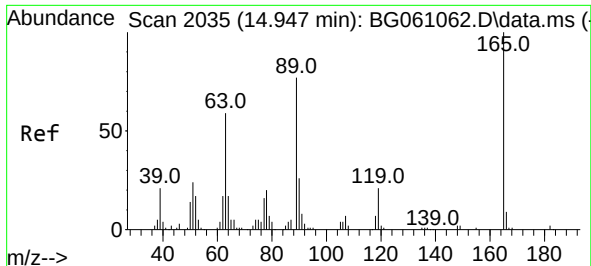
Tgt Ion:	172	Resp:	258619
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.0	43.6
170	24.3	20.2	30.4



#51
2,6-Dinitrotoluene
Concen: 7.636 ng
RT: 14.551 min Scan# 1968
Delta R.T. 0.391 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:	165	Resp:	9730
Ion	Ratio	Lower	Upper
165	100		
63	0.0	60.0	90.0#
89	2.6	50.9	76.3#





#57

2,4-Dinitrotoluene

Concen: 5.161 ng

RT: 14.551 min Scan# 1968

Delta R.T. -0.396 min

Lab File: BG061192.D

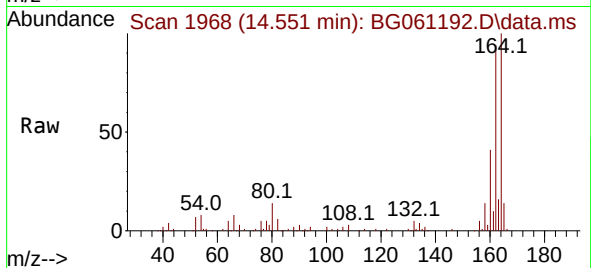
Acq: 14 May 2024 16:34

Instrument :

BNA_G

ClientSampleId :

G-2(5.0-6.0)



Tgt Ion:165 Resp: 9730

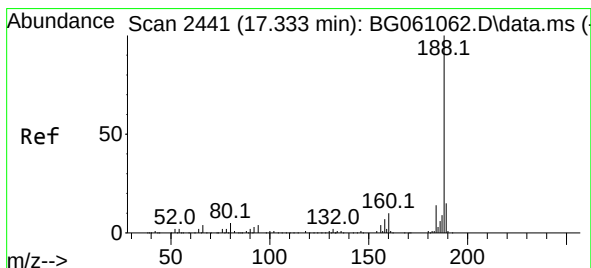
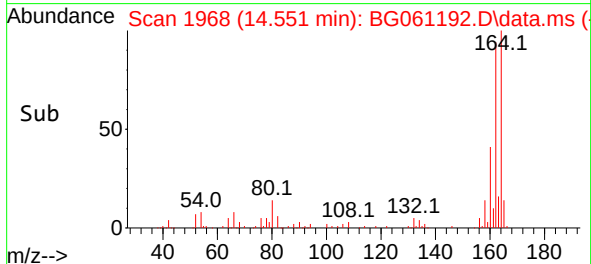
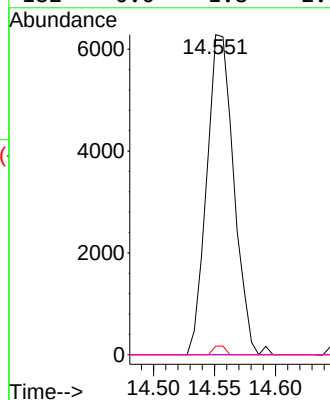
Ion Ratio Lower Upper

165 100

63 0.0 47.3 70.9#

89 2.6 61.8 92.8#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.301 min Scan# 2436

Delta R.T. -0.032 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

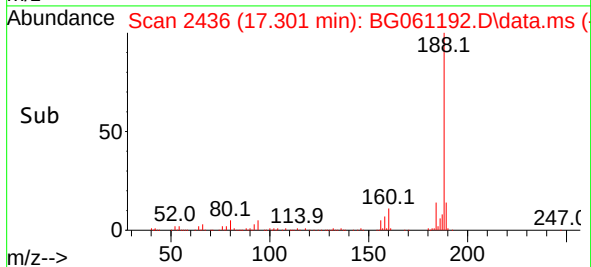
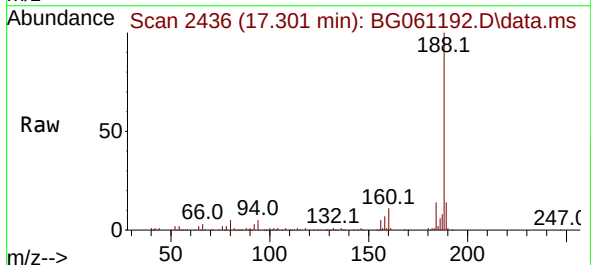
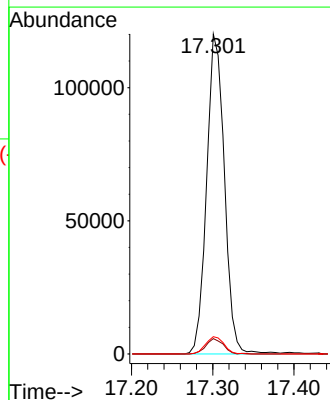
Tgt Ion:188 Resp: 182327

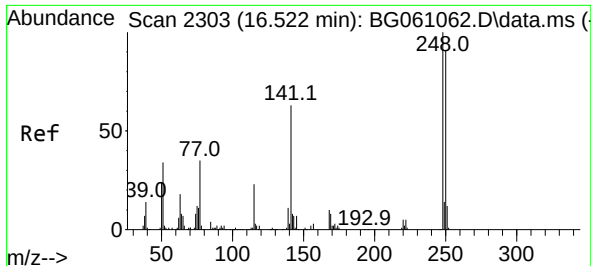
Ion Ratio Lower Upper

188 100

94 4.8 3.6 5.4

80 5.4 4.2 6.2

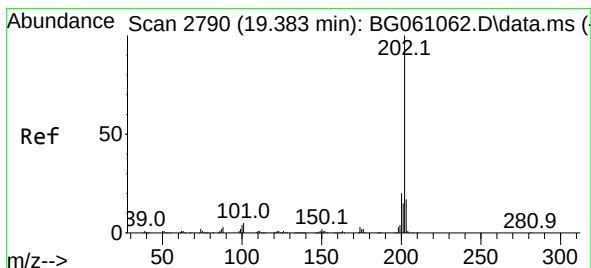
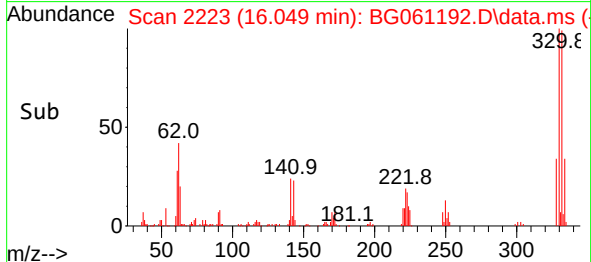
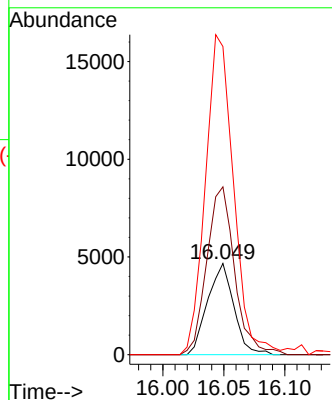
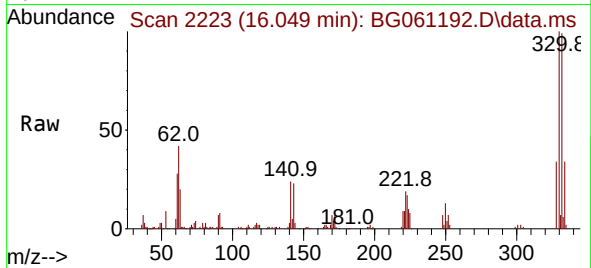




#67
4-Bromophenyl-phenylether
Concen: 3.266 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.473 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

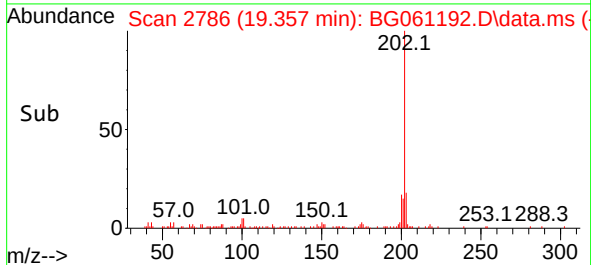
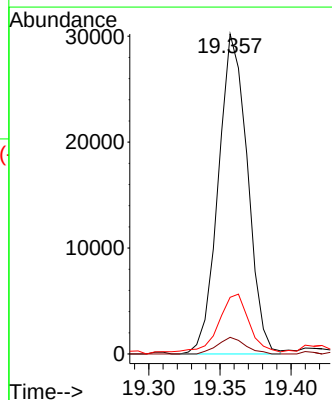
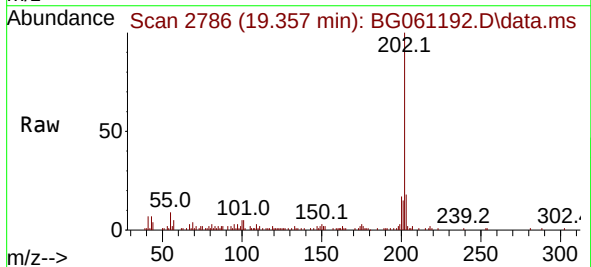
Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

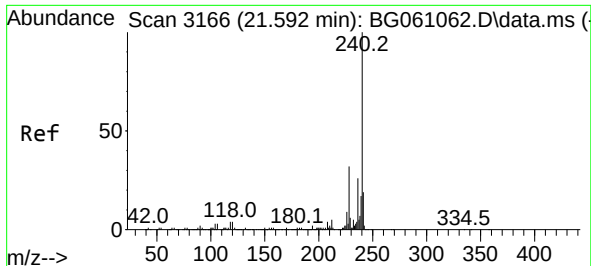
Tgt Ion:248 Resp: 7014
Ion Ratio Lower Upper
248 100
250 184.1 73.0 109.4#
141 337.9 50.8 76.2#



#75
Fluoranthene
Concen: 3.772 ng
RT: 19.357 min Scan# 2786
Delta R.T. -0.026 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:202 Resp: 43077
Ion Ratio Lower Upper
202 100
101 5.2 0.0 24.7
203 17.7 0.0 37.1

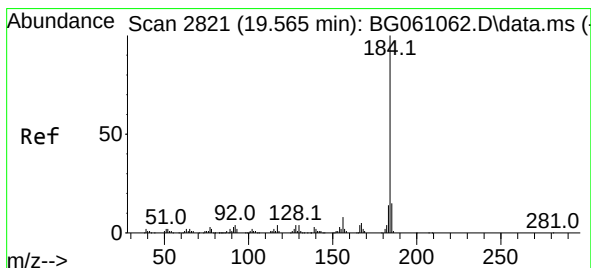
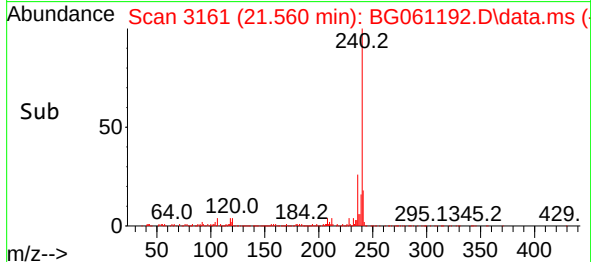
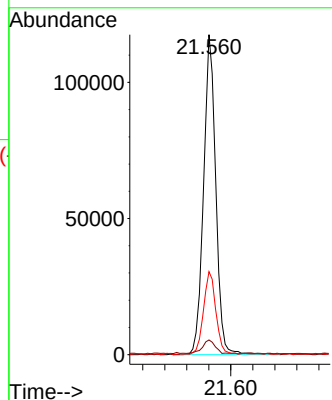
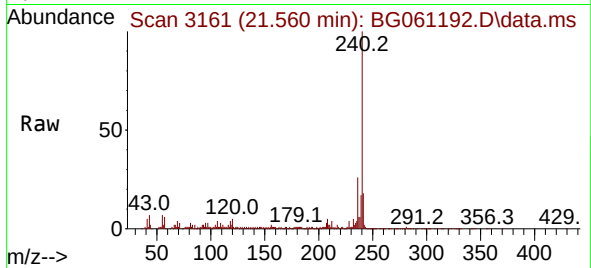




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.032 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

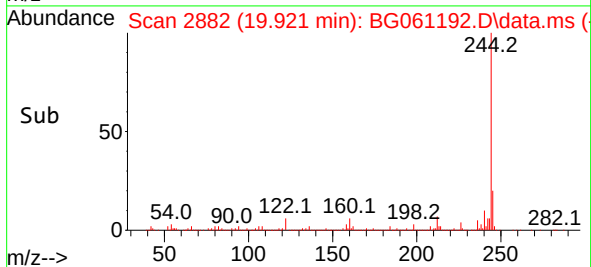
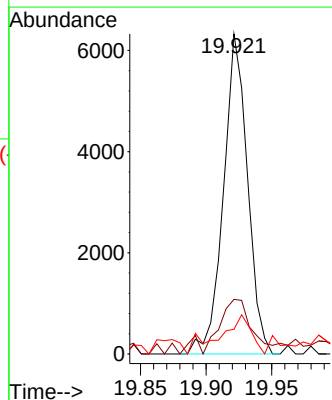
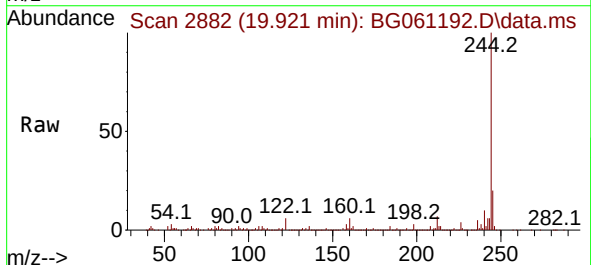
Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

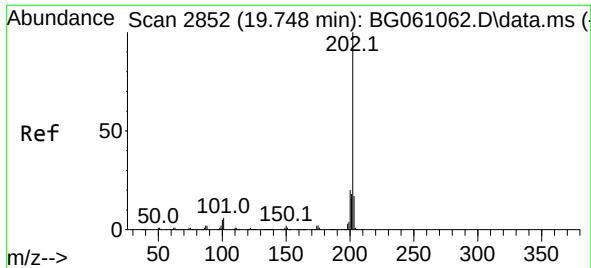
Tgt Ion:240 Resp: 181163
Ion Ratio Lower Upper
240 100
120 4.6 3.2 4.8
236 25.9 21.0 31.6



#77
Benzidine
Concen: 4.993 ng
RT: 19.921 min Scan# 2882
Delta R.T. 0.356 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:184 Resp: 8045
Ion Ratio Lower Upper
184 100
185 17.1 12.0 18.0
183 7.7 10.9 16.3#

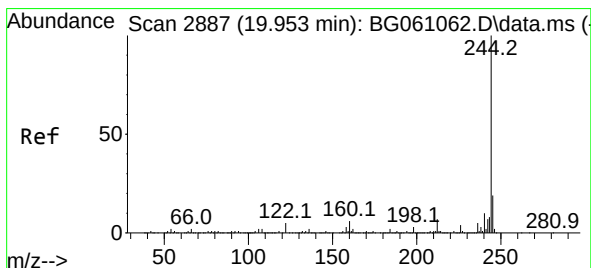
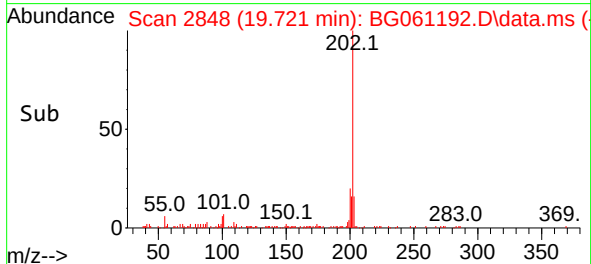
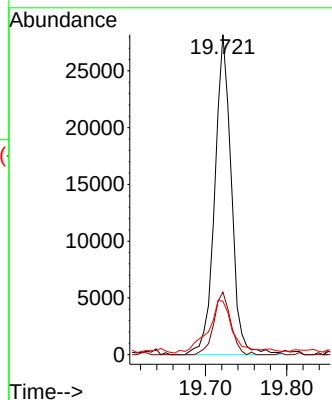
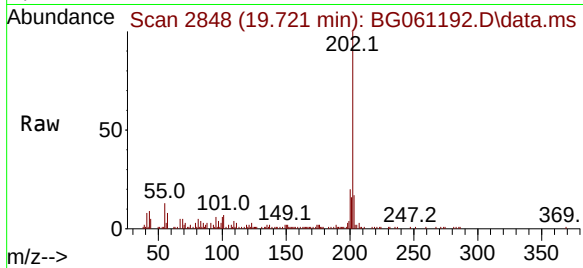




#78
 Pyrene
 Concen: 3.487 ng
 RT: 19.721 min Scan# 2848
 Delta R.T. -0.026 min
 Lab File: BG061192.D
 Acq: 14 May 2024 16:34

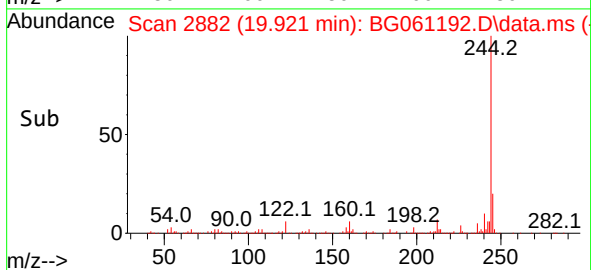
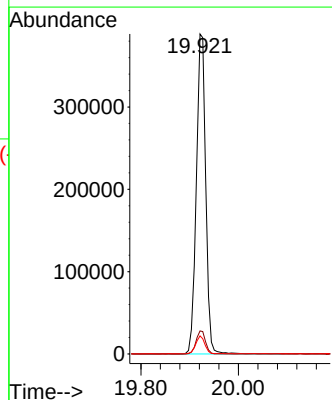
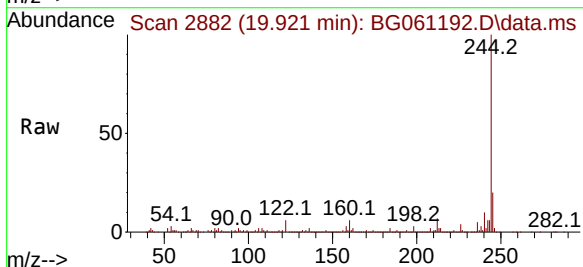
Instrument :
 BNA_G
 ClientSampleId :
 G-2(5.0-6.0)

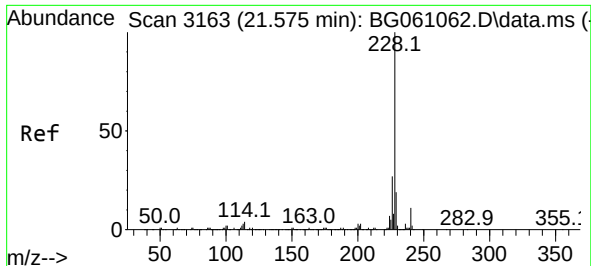
Tgt Ion:	202	Resp:	40167
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.2	24.4
203	16.7	13.3	19.9



#79
 Terphenyl-d14
 Concen: 48.031 ng
 RT: 19.921 min Scan# 2882
 Delta R.T. -0.032 min
 Lab File: BG061192.D
 Acq: 14 May 2024 16:34

Tgt Ion:	244	Resp:	523197
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.7	8.5
122	5.7	4.2	6.2

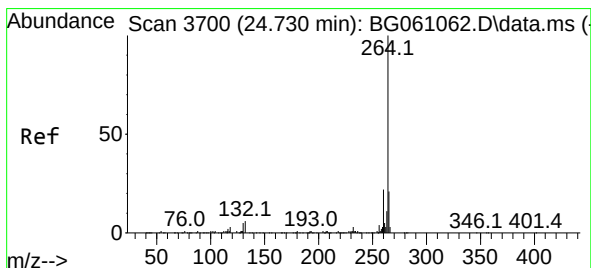
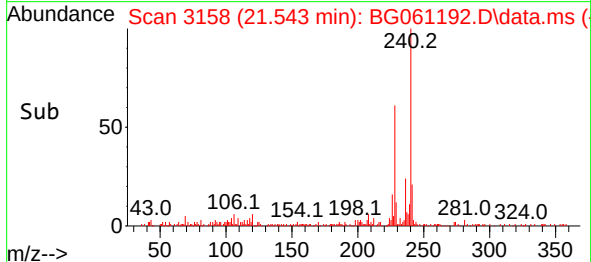
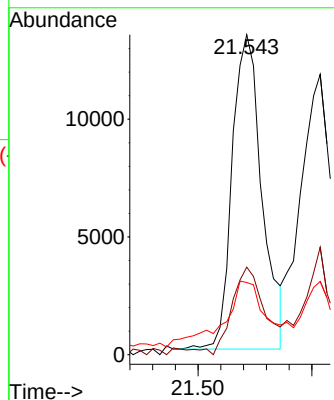
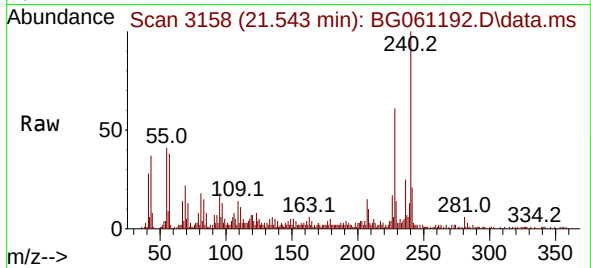




#81
Benzo(a)anthracene
Concen: 2.051 ng
RT: 21.543 min Scan# 3163
Delta R.T. -0.032 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

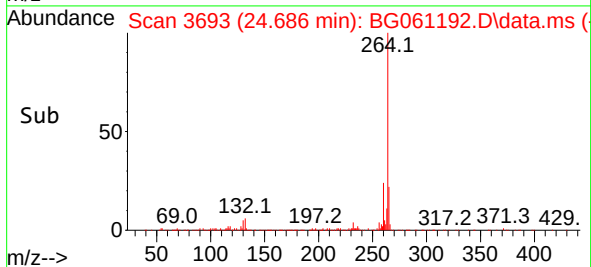
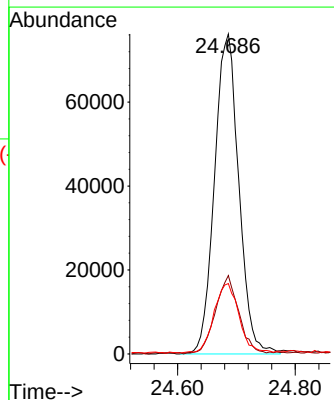
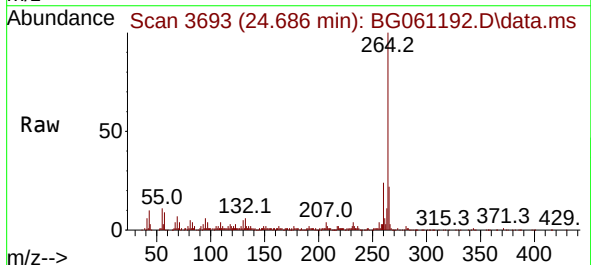
Instrument :
BNA_G
ClientSampleId :
G-2(5.0-6.0)

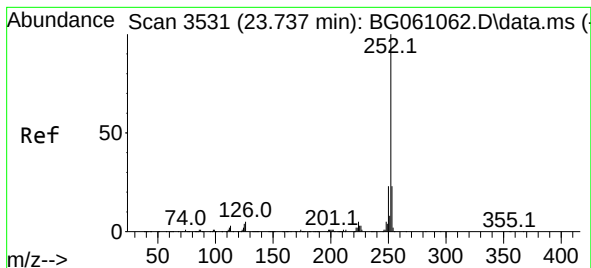
Tgt Ion:228 Resp: 24316
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 22.6 15.0 22.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.686 min Scan# 3693
Delta R.T. -0.044 min
Lab File: BG061192.D
Acq: 14 May 2024 16:34

Tgt Ion:264 Resp: 218501
Ion Ratio Lower Upper
264 100
260 24.5 17.7 26.5
265 22.0 16.4 24.6





#88

Benzo(b)fluoranthene

Concen: 2.513 ng

RT: 23.699 min Scan# 3525

Delta R.T. -0.038 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

Instrument :

BNA_G

ClientSampleId :

G-2(5.0-6.0)

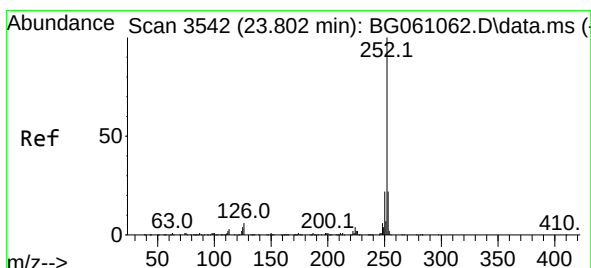
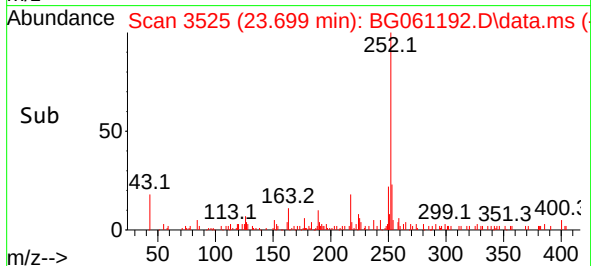
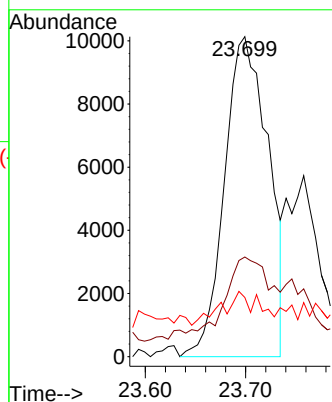
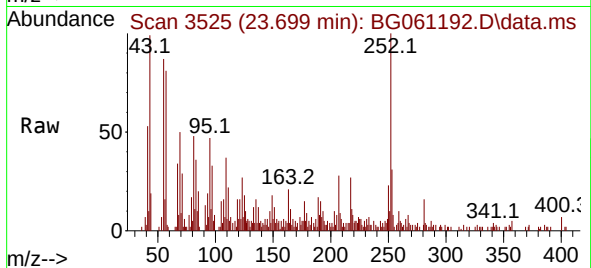
Tgt Ion:252 Resp: 30686

Ion Ratio Lower Upper

252 100

253 31.1 18.2 27.2#

125 18.5 3.4 5.0#



#89

Benzo(k)fluoranthene

Concen: 2.612 ng

RT: 23.699 min Scan# 3525

Delta R.T. -0.103 min

Lab File: BG061192.D

Acq: 14 May 2024 16:34

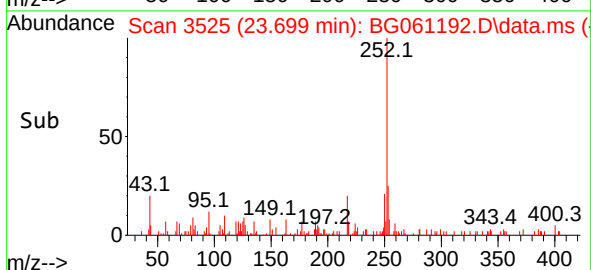
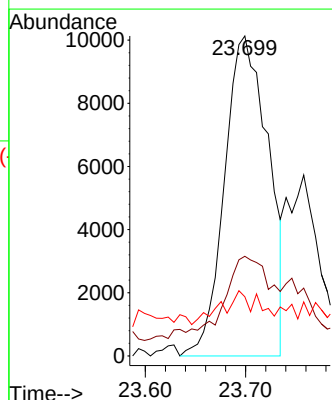
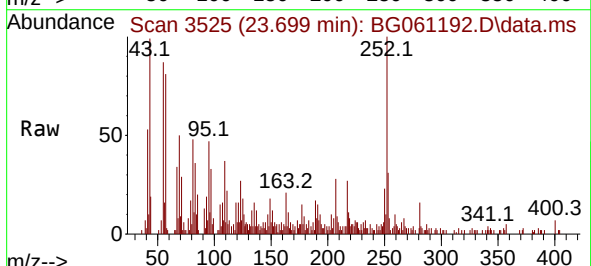
Tgt Ion:252 Resp: 30686

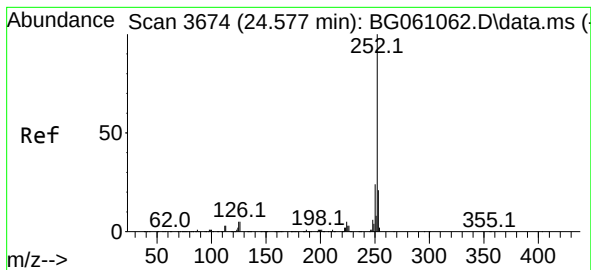
Ion Ratio Lower Upper

252 100

253 31.1 17.3 25.9#

125 18.5 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 2.039 ng

RT: 24.528 min Scan# 30

Delta R.T. -0.050 min

Lab File: BG061192.D

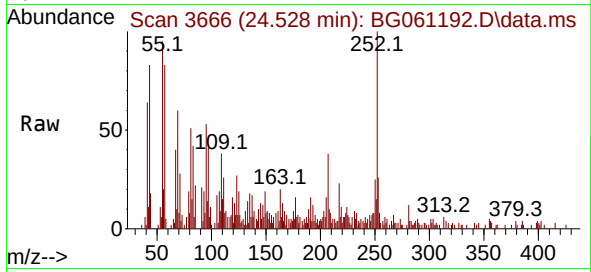
Acq: 14 May 2024 16:34

Instrument :

BNA_G

ClientSampleId :

G-2(5.0-6.0)



Tgt Ion:252 Resp: 21690

Ion Ratio Lower Upper

252 100

253 25.8 16.9 25.3#

125 19.5 3.8 5.8#

