

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061081.D
 Acq On : 1 May 2024 18:10
 Operator : MA/JU
 Sample : P2330-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 05:35:50 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)

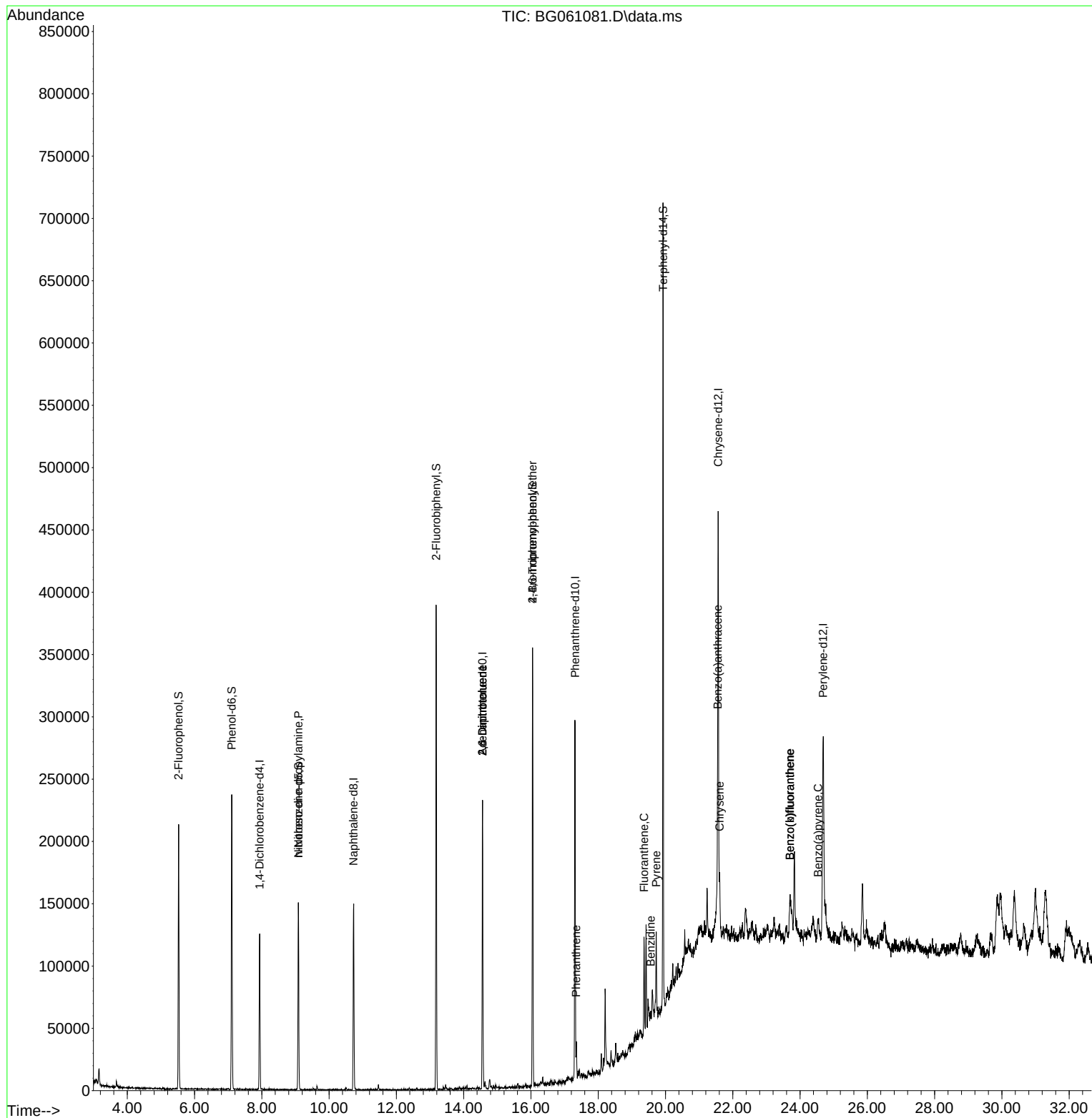
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	30179	20.000	ng	-0.03
21) Naphthalene-d8	10.725	136	117226	20.000	ng	#-0.03
39) Acenaphthene-d10	14.562	164	83535	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	191264	20.000	ng	-0.02
76) Chrysene-d12	21.566	240	179977	20.000	ng	-0.03
86) Perylene-d12	24.685	264	211243	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	74722	50.354	ng	-0.02
7) Phenol-d6	7.106	99	104512	47.610	ng	-0.03
23) Nitrobenzene-d5	9.086	82	72592	30.698	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	75803	45.399	ng	-0.03
45) 2-Fluorobiphenyl	13.181	172	193632	34.276	ng	-0.03
79) Terphenyl-d14	19.926	244	319168	29.494	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.112	77	176	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.086	70	10955	6.668	ng	# 67
51) 2,6-Dinitrotoluene	14.562	165	11379	8.245	ng	# 16
57) 2,4-Dinitrotoluene	14.562	165	11379	5.573	ng	# 18
67) 4-Bromophenyl-phenylether	16.049	248	4696	2.084	ng	# 1
71) Phenanthrene	17.347	178	18985	2.171	ng	95
75) Fluoranthene	19.362	202	47545	3.968	ng	94
77) Benzidine	19.562	184	235	2.860	ng	# 1
78) Pyrene	19.727	202	44588	3.897	ng	# 95
81) Benzo(a)anthracene	21.548	228	25234	2.143	ng	# 85
83) Chrysene	21.613	228	26151	2.370	ng	# 93
88) Benzo(b)fluoranthene	23.698	252	34121	2.891	ng	# 94
89) Benzo(k)fluoranthene	23.698	252	34121	3.005	ng	# 92
90) Benzo(a)pyrene	24.533	252	22894	2.226	ng	# 80

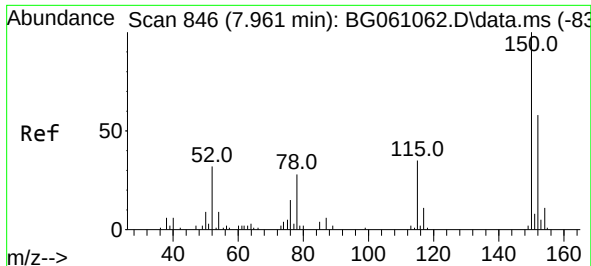
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061081.D
Acq On : 1 May 2024 18:10
Operator : MA/JU
Sample : P2330-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 02 05:35:50 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

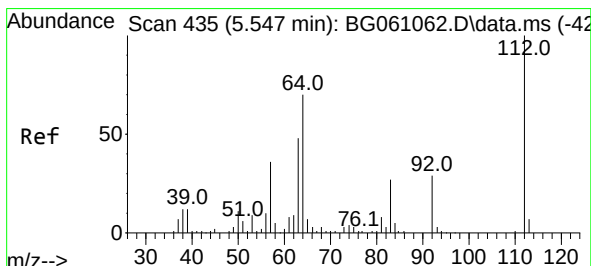
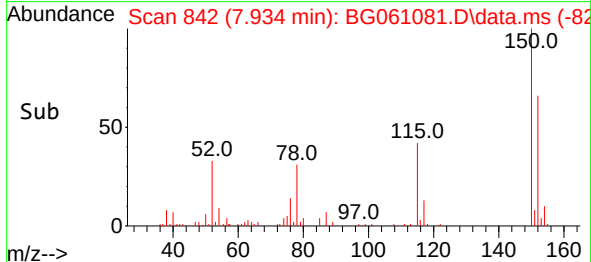
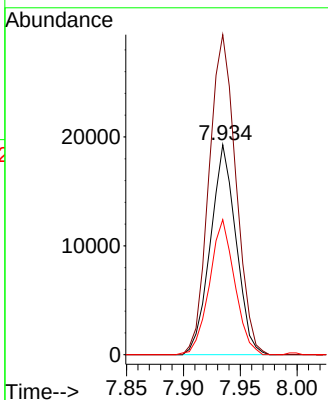
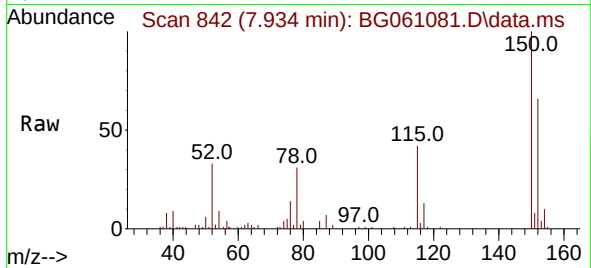




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 84
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

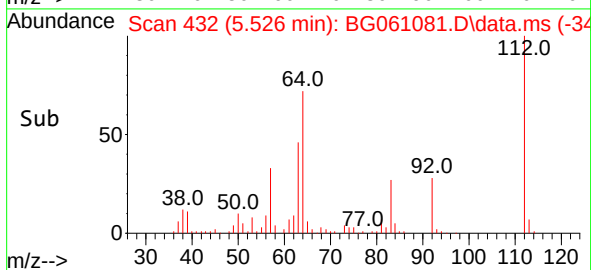
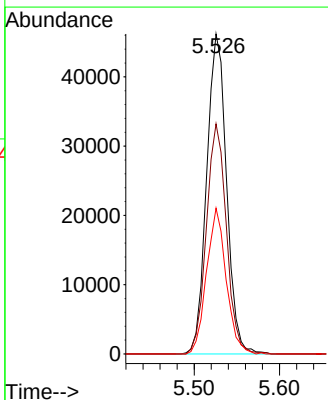
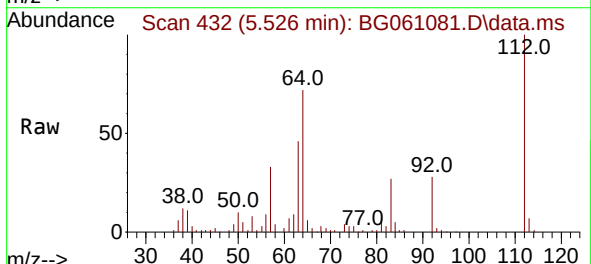
Instrument :
BNA_G
ClientSampleId :

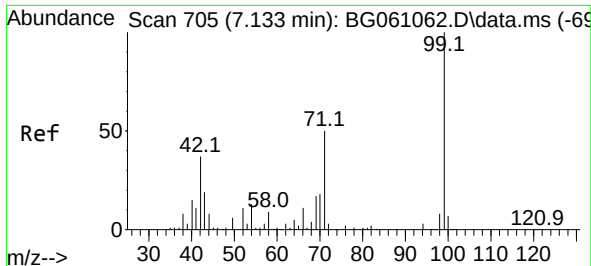
Tgt Ion:152 Resp: 30179
Ion Ratio Lower Upper
152 100
150 152.4 138.3 207.5
115 64.3 48.0 72.0



#5
2-Fluorophenol
Concen: 50.354 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

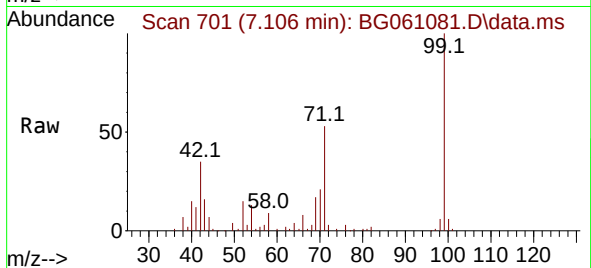
Tgt Ion:112 Resp: 74722
Ion Ratio Lower Upper
112 100
64 71.9 55.7 83.5
63 45.5 38.1 57.1



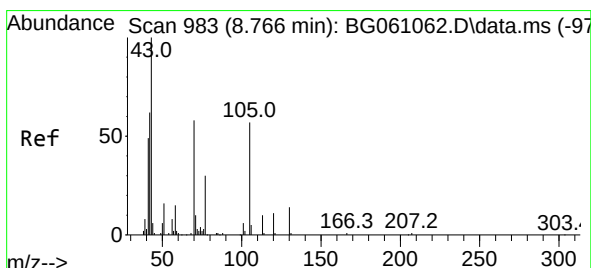
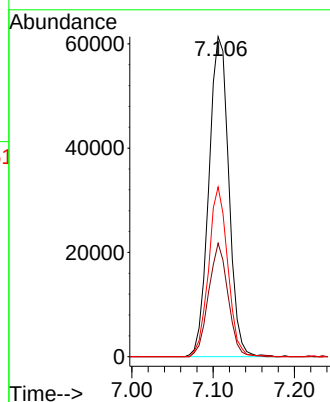
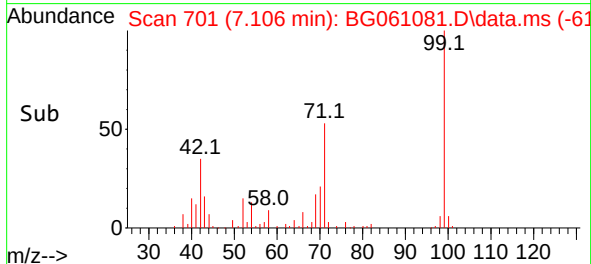


#7
Phenol-d6
Concen: 47.610 ng
RT: 7.106 min Scan# 70
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

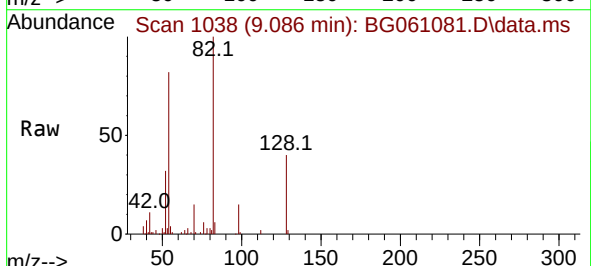
Instrument :
BNA_G
ClientSampleId :



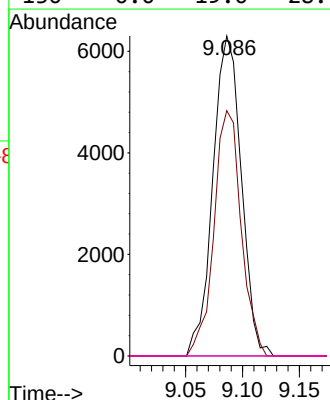
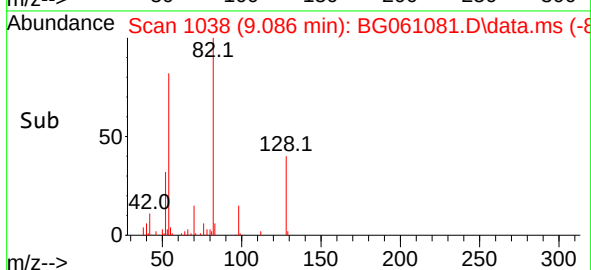
Tgt Ion: 99 Resp: 104512
Ion Ratio Lower Upper
99 100
42 35.5 29.2 43.8
71 53.0 39.7 59.5

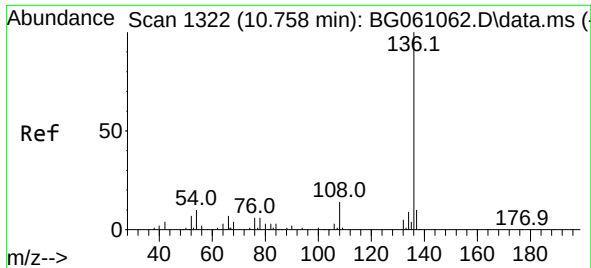


#19
n-Nitroso-di-n-propylamine
Concen: 6.668 ng
RT: 9.086 min Scan# 1038
Delta R.T. 0.320 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10



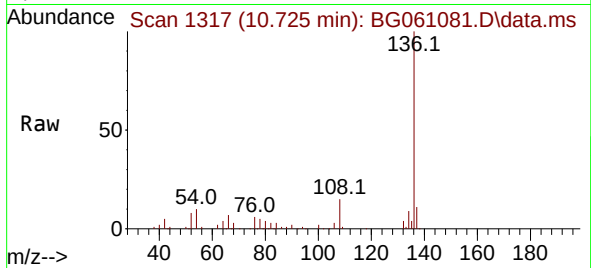
Tgt Ion: 70 Resp: 10955
Ion Ratio Lower Upper
70 100
42 76.7 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#



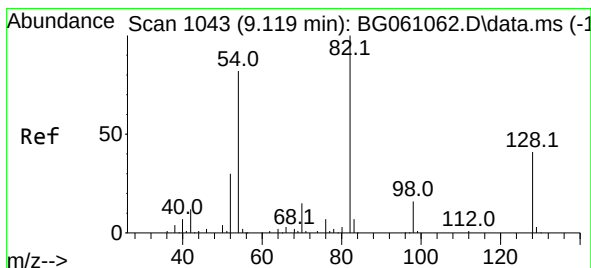
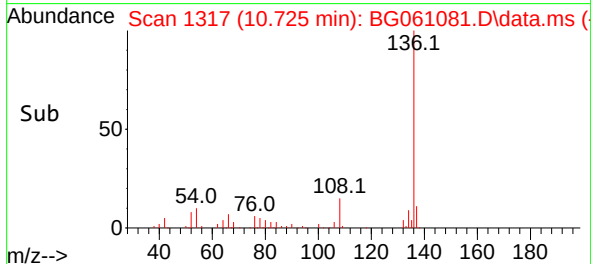
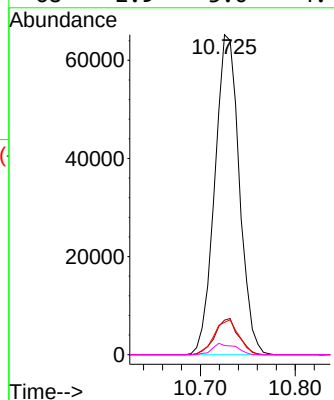


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 11
Delta R.T. -0.033 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Instrument :
BNA_G
ClientSampleId :

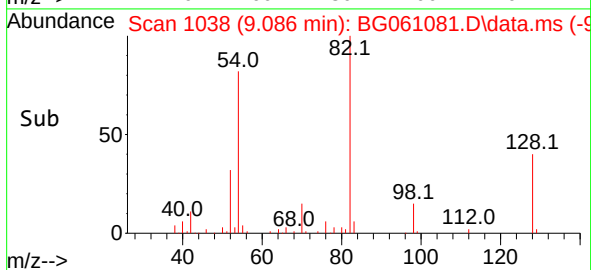
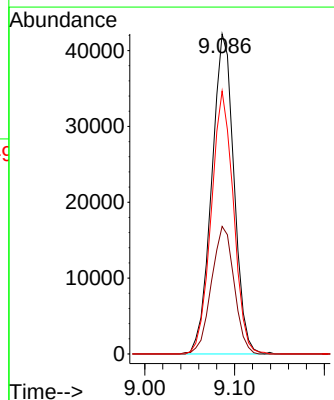
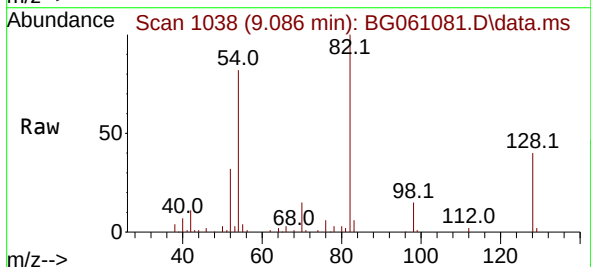


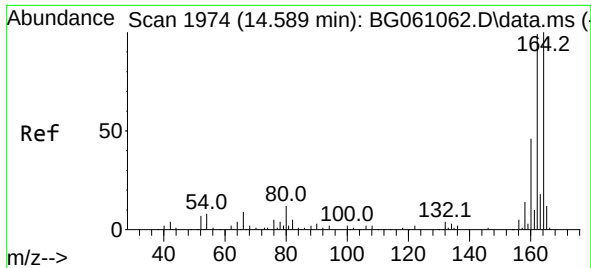
Tgt Ion:136 Resp: 117226
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 10.1 8.1 12.1
68 2.9 3.0 4.4#



#23
Nitrobenzene-d5
Concen: 30.698 ng
RT: 9.086 min Scan# 1038
Delta R.T. -0.033 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

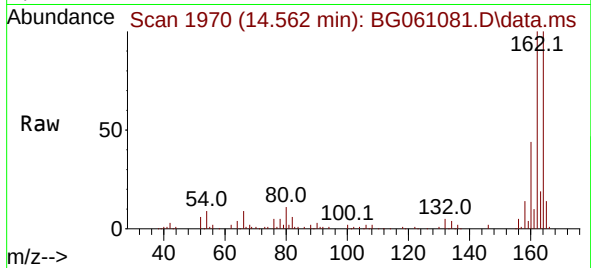
Tgt Ion: 82 Resp: 72592
Ion Ratio Lower Upper
82 100
128 39.9 32.7 49.1
54 82.2 65.6 98.4



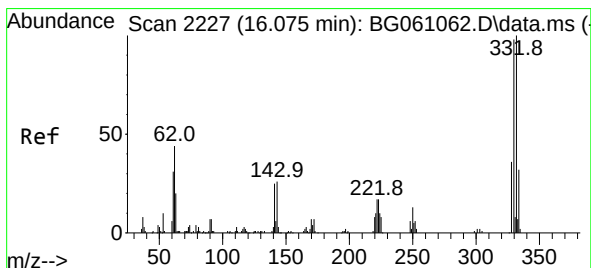
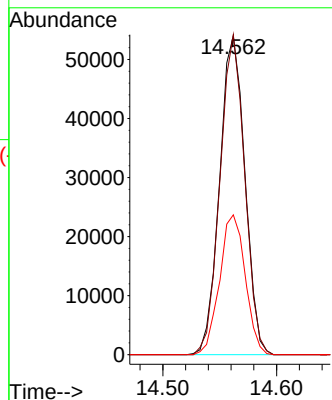
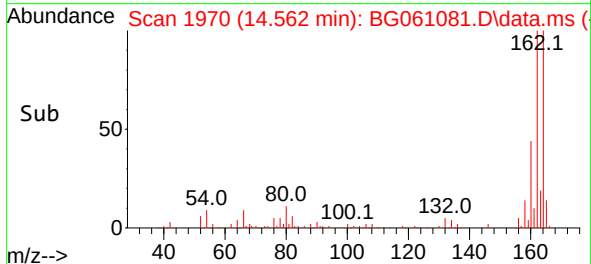


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1974
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

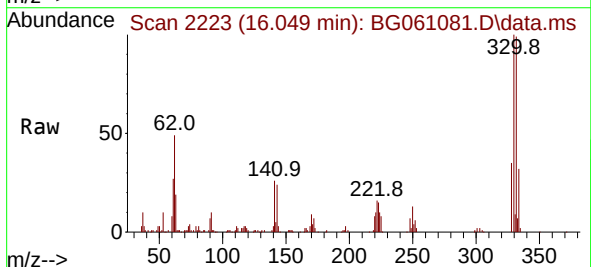
Instrument :
BNA_G
ClientSampleId :



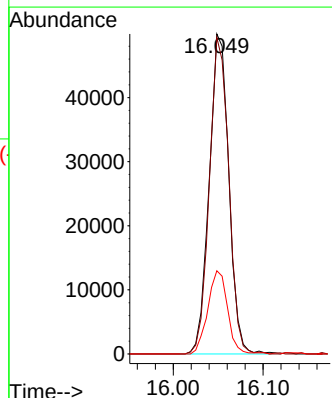
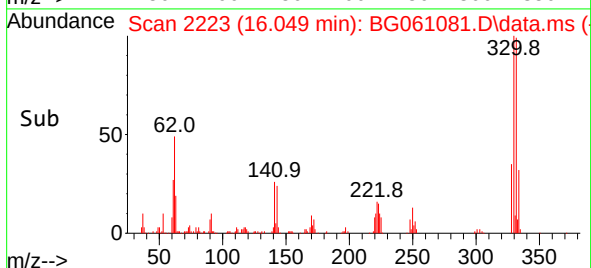
Tgt Ion:164 Resp: 83535
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.2
160 43.9 37.0 55.6

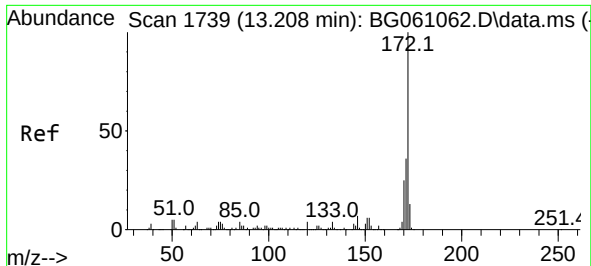


#42
2,4,6-Tribromophenol
Concen: 45.399 ng
RT: 16.049 min Scan# 2223
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10



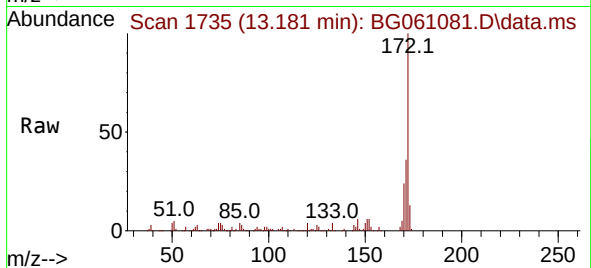
Tgt Ion:330 Resp: 75803
Ion Ratio Lower Upper
330 100
332 97.4 78.6 117.8
141 26.2 20.5 30.7



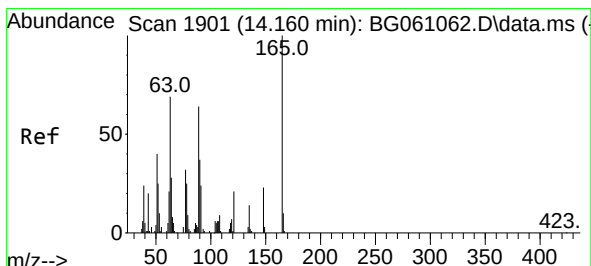
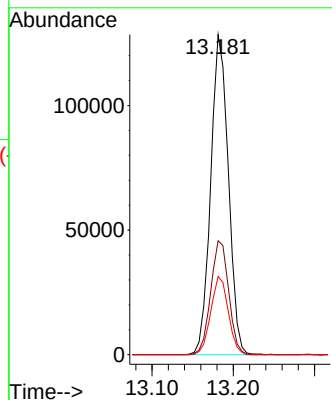
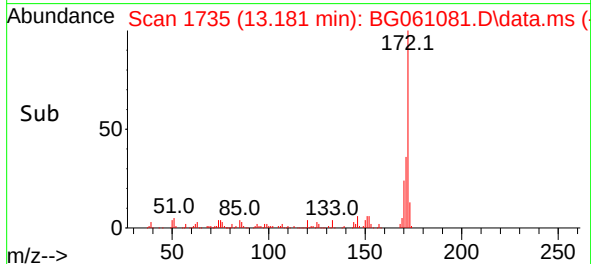


#45
2-Fluorobiphenyl
Concen: 34.276 ng
RT: 13.181 min Scan# 1
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Instrument :
BNA_G
ClientSampleId :

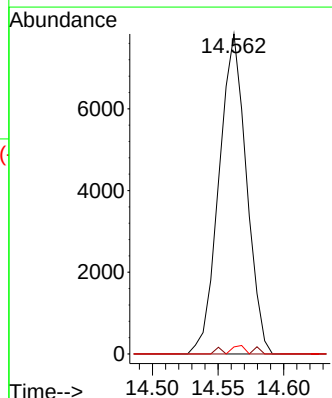
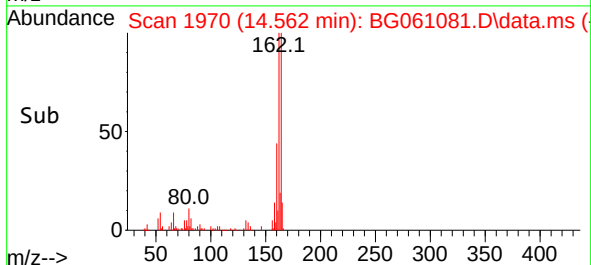
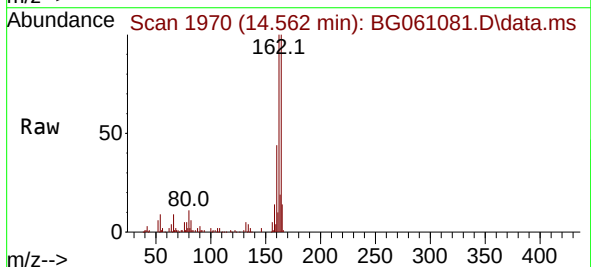


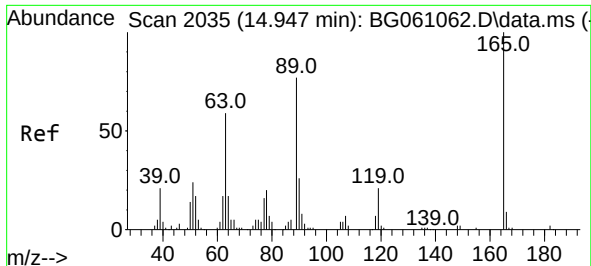
Tgt Ion:172 Resp: 193632
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.6
170 24.4 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.245 ng
RT: 14.562 min Scan# 1970
Delta R.T. 0.402 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

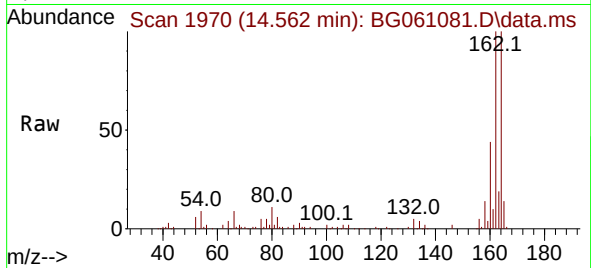
Tgt Ion:165 Resp: 11379
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 2.2 50.9 76.3#



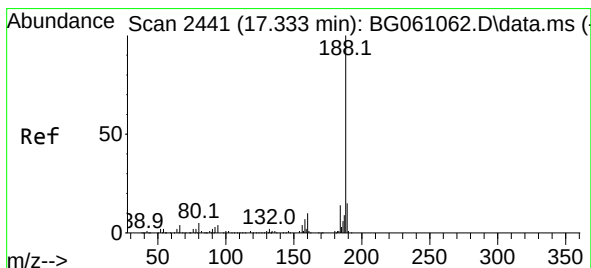
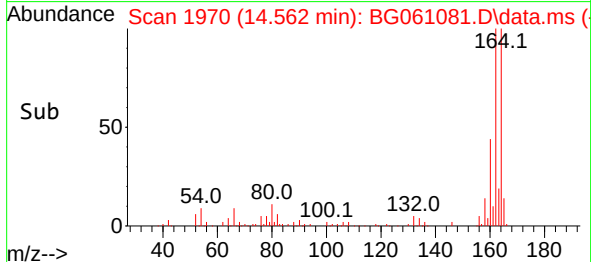
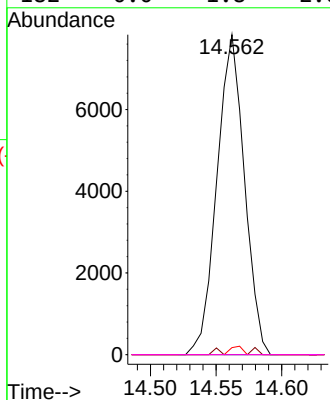


#57
2,4-Dinitrotoluene
Concen: 5.573 ng
RT: 14.562 min Scan# 14
Delta R.T. -0.385 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Instrument :
BNA_G
ClientSampleId :

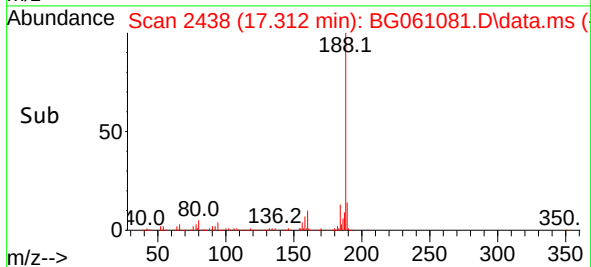
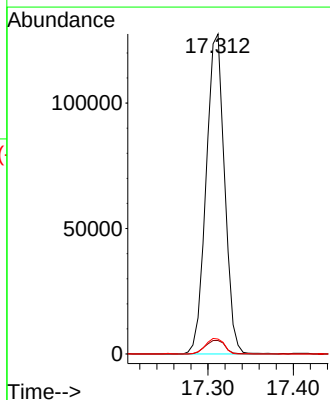
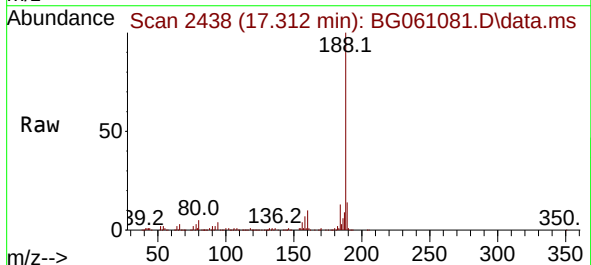


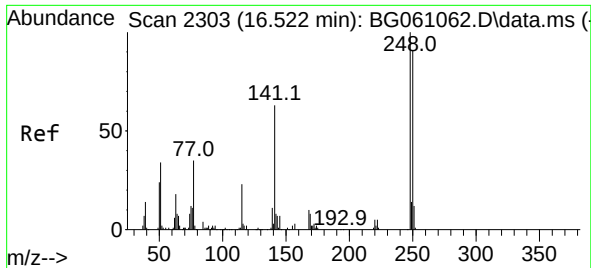
Tgt Ion:165 Resp: 11379
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 2.2 61.8 92.8#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.021 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

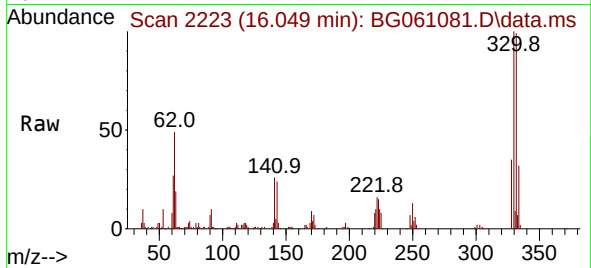
Tgt Ion:188 Resp: 191264
Ion Ratio Lower Upper
188 100
94 4.2 3.6 5.4
80 4.7 4.2 6.2



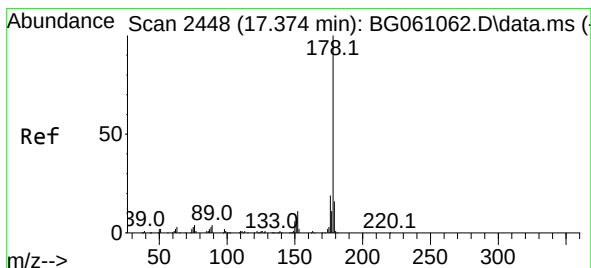
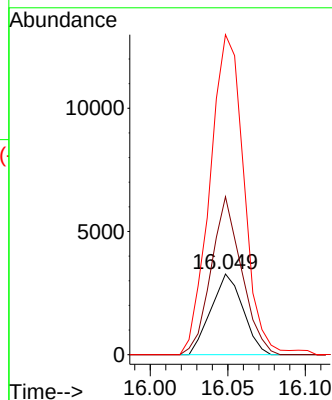
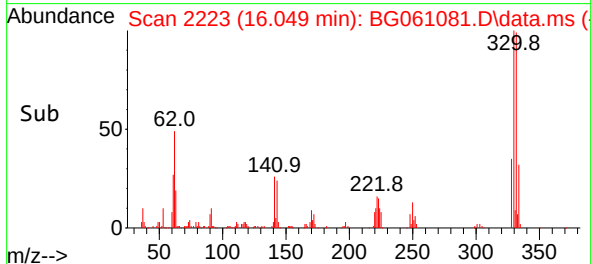


#67
4-Bromophenyl-phenylether
Concen: 2.084 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.473 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Instrument :
BNA_G
ClientSampleId :

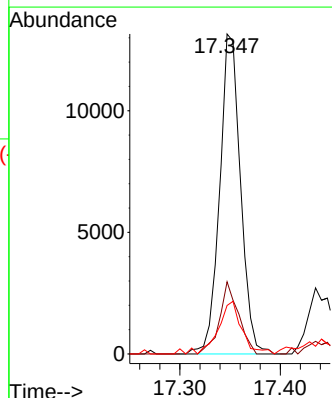
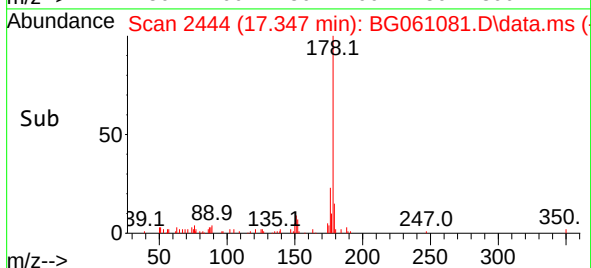
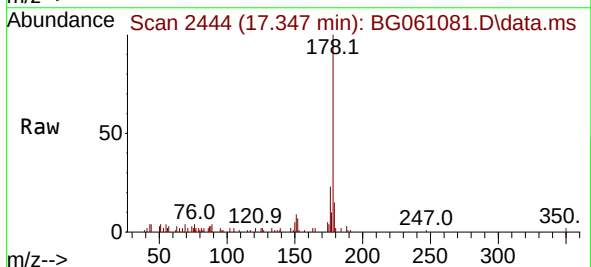


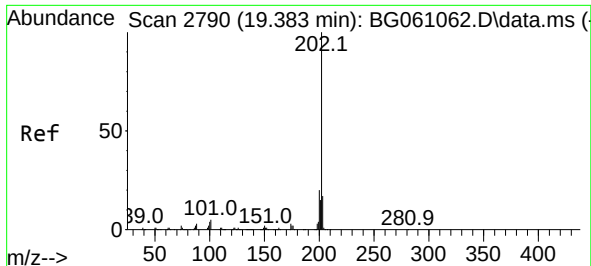
Tgt Ion:248 Resp: 4696
Ion Ratio Lower Upper
248 100
250 150.2 73.0 109.4#
141 304.3 50.8 76.2#



#71
Phenanthrene
Concen: 2.171 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Tgt Ion:178 Resp: 18985
Ion Ratio Lower Upper
178 100
176 22.6 15.5 23.3
179 15.1 12.6 19.0

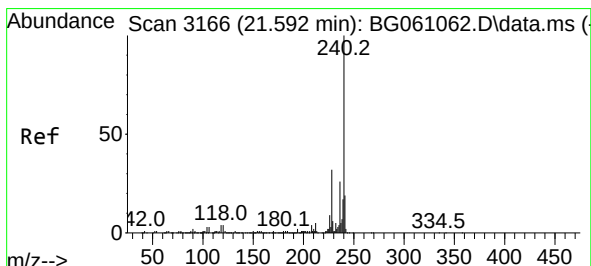
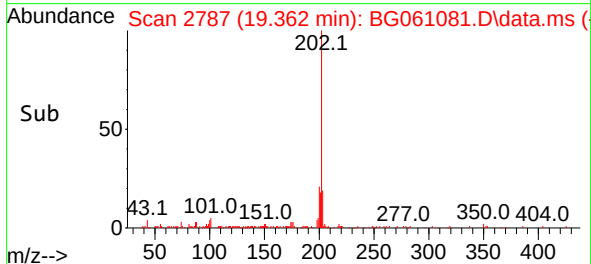
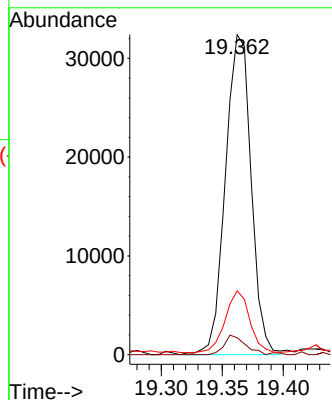
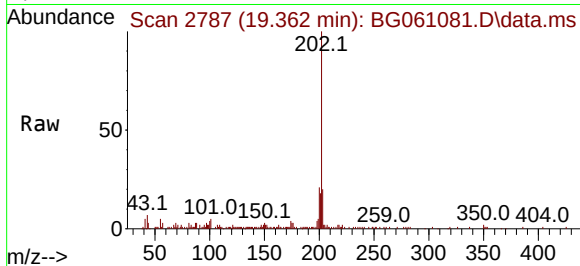




#75
Fluoranthene
Concen: 3.968 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

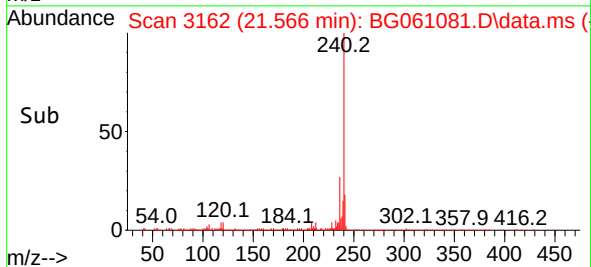
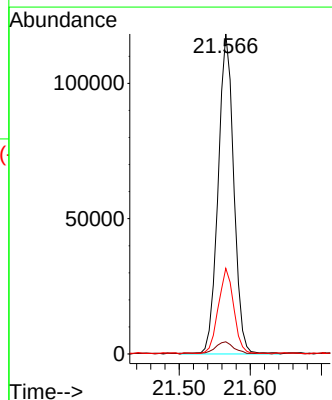
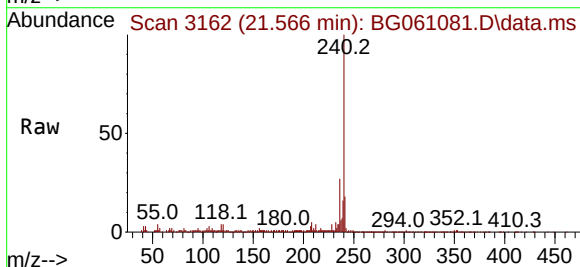
Instrument :
BNA_G
ClientSampleId :

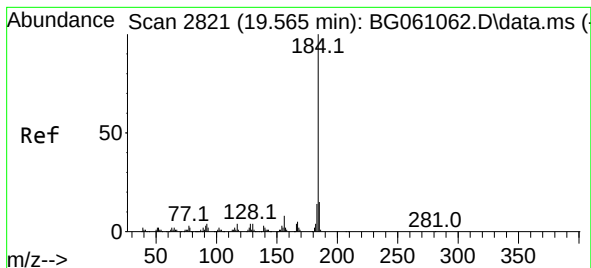
Tgt Ion:202 Resp: 47545
Ion Ratio Lower Upper
202 100
101 5.3 0.0 24.7
203 20.0 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Tgt Ion:240 Resp: 179977
Ion Ratio Lower Upper
240 100
120 3.8 3.2 4.8
236 26.8 21.0 31.6





#77

Benzidine

Concen: 2.860 ng

RT: 19.562 min Scan# 2821

Delta R.T. -0.003 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

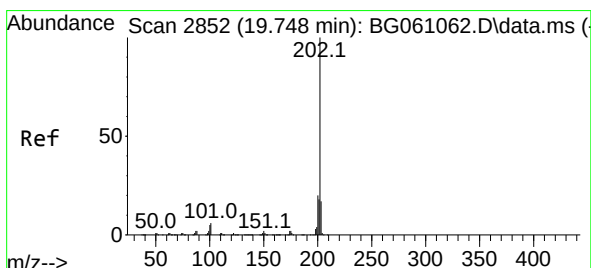
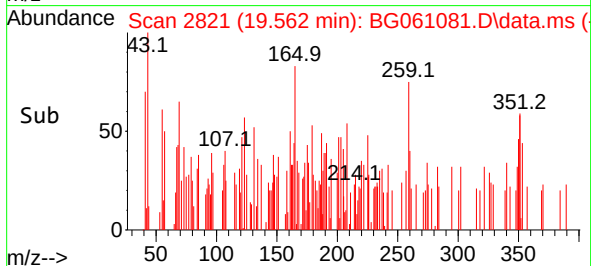
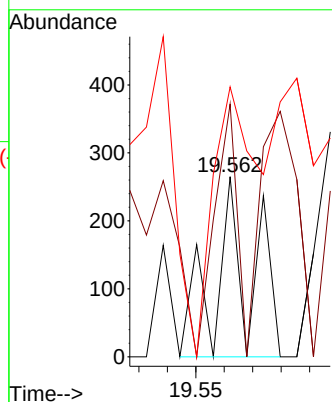
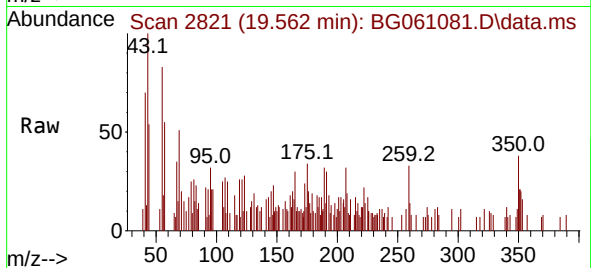
Tgt Ion:184 Resp: 235

Ion Ratio Lower Upper

184 100

185 140.4 12.0 18.0#

183 149.8 10.9 16.3#



#78

Pyrene

Concen: 3.897 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

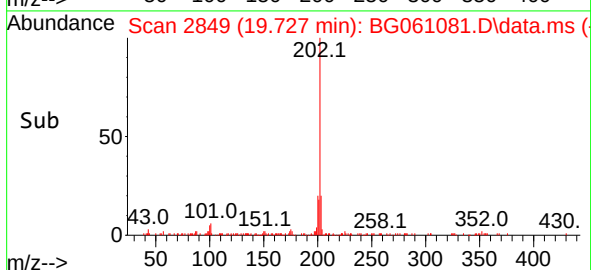
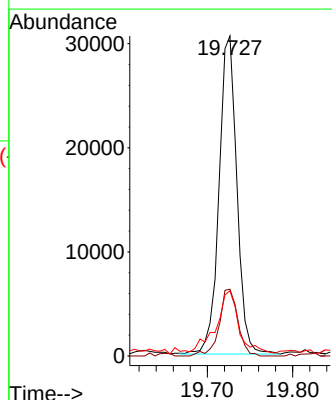
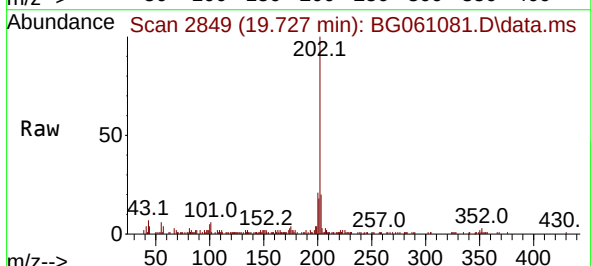
Tgt Ion:202 Resp: 44588

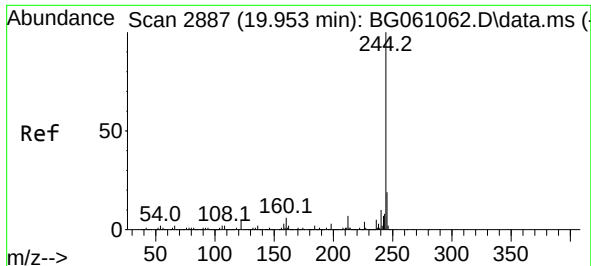
Ion Ratio Lower Upper

202 100

200 20.9 16.2 24.4

203 20.4 13.3 19.9#

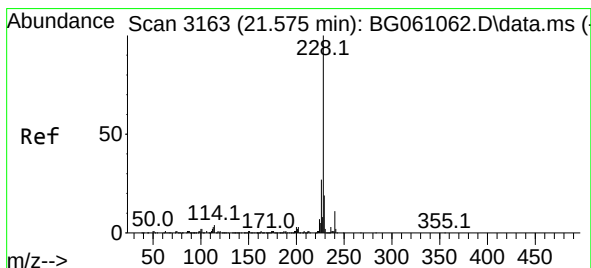
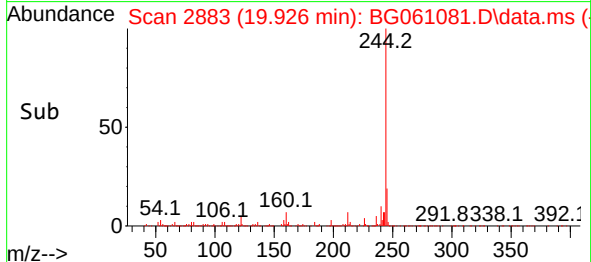
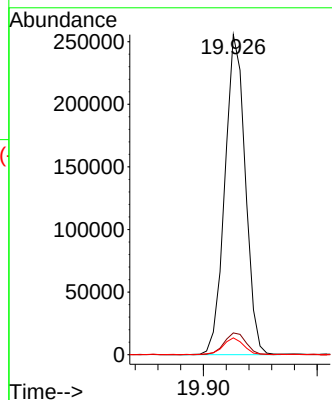
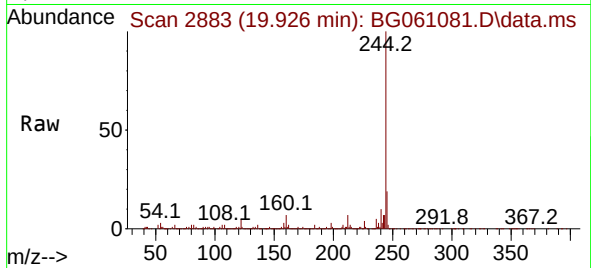




#79
 Terphenyl-d14
 Concen: 29.494 ng
 RT: 19.926 min Scan# 21
 Delta R.T. -0.027 min
 Lab File: BG061081.D
 Acq: 1 May 2024 18:10

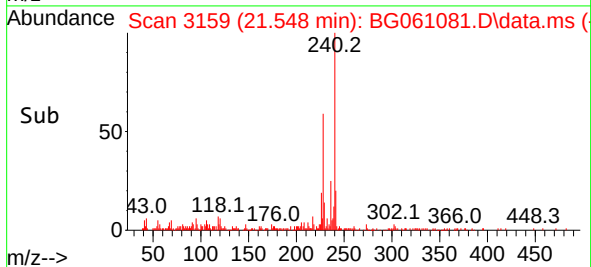
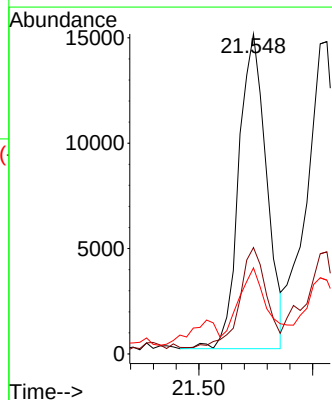
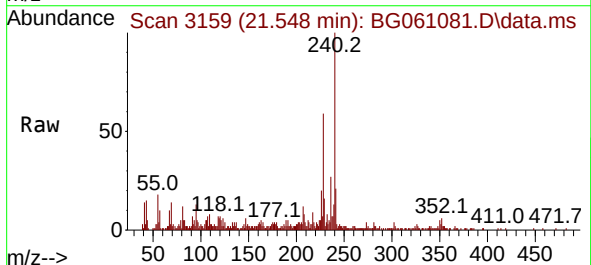
Instrument :
 BNA_G
 ClientSampleId :

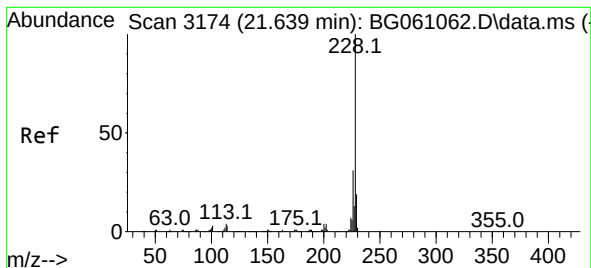
Tgt Ion:244 Resp: 319168
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 5.3 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 2.143 ng
 RT: 21.548 min Scan# 3159
 Delta R.T. -0.027 min
 Lab File: BG061081.D
 Acq: 1 May 2024 18:10

Tgt Ion:228 Resp: 25234
 Ion Ratio Lower Upper
 228 100
 226 33.2 21.6 32.4#
 229 26.9 15.0 22.4#





#83

Chrysene

Concen: 2.370 ng

RT: 21.613 min Scan# 3170

Delta R.T. -0.027 min

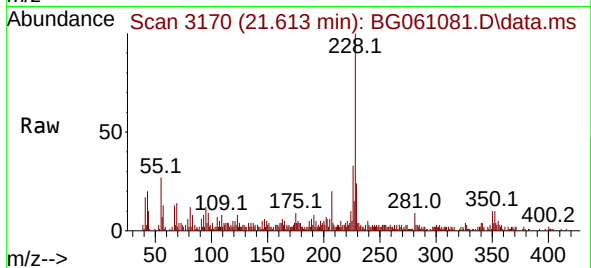
Lab File: BG061081.D

Acq: 1 May 2024 18:10

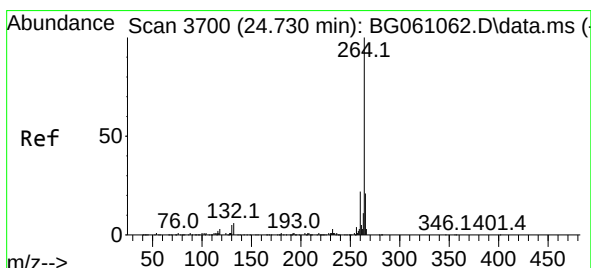
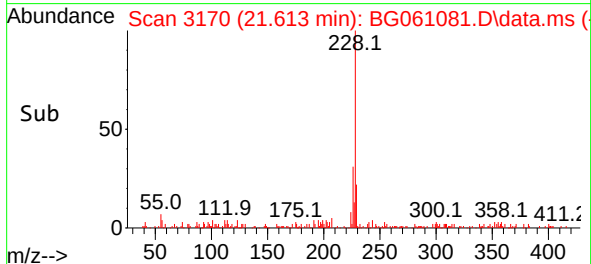
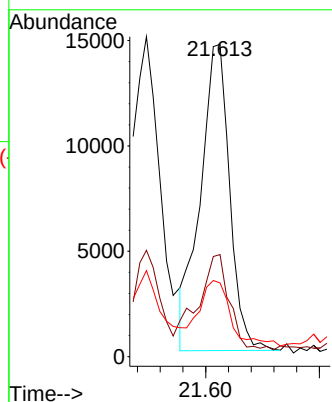
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	228	Resp:	26151
Ion Ratio	Lower	Upper	
228	100		
226	32.7	24.4	36.6
229	23.6	14.8	22.2



#86

Perylene-d12

Concen: 20.000 ng

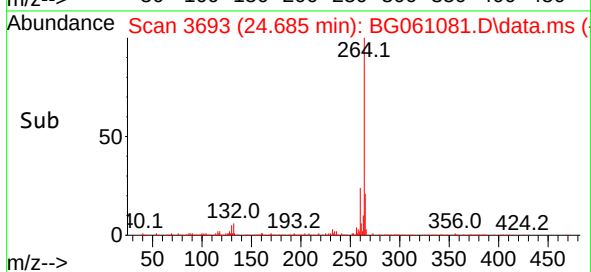
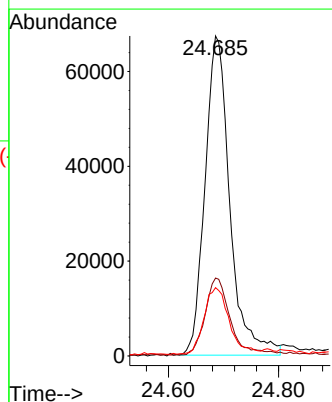
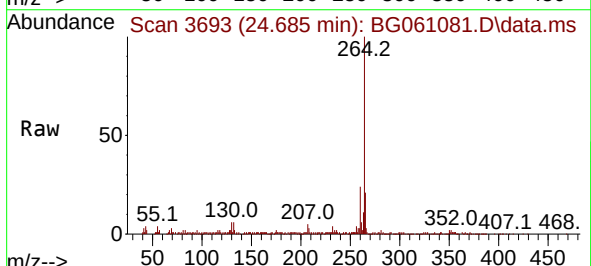
RT: 24.685 min Scan# 3693

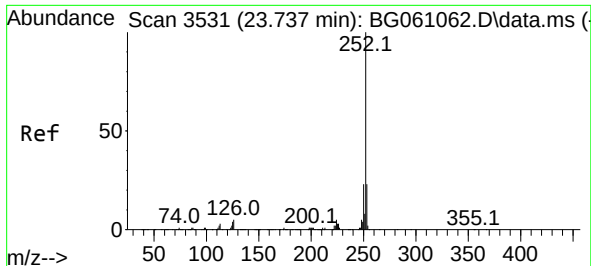
Delta R.T. -0.045 min

Lab File: BG061081.D

Acq: 1 May 2024 18:10

Tgt Ion:	264	Resp:	211243
Ion Ratio	Lower	Upper	
264	100		
260	24.3	17.7	26.5
265	21.4	16.4	24.6

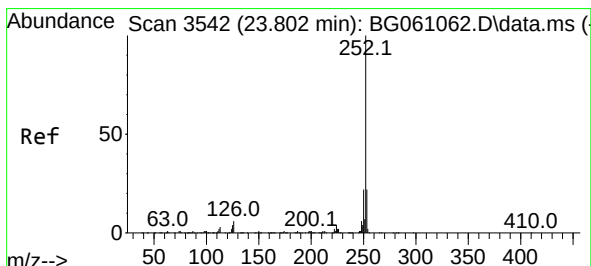
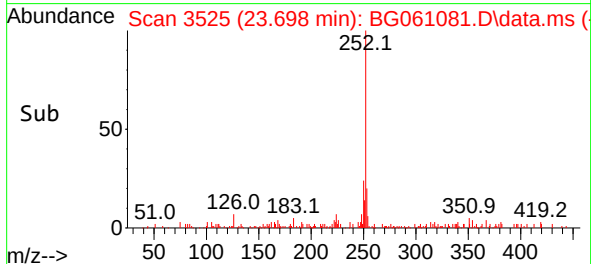
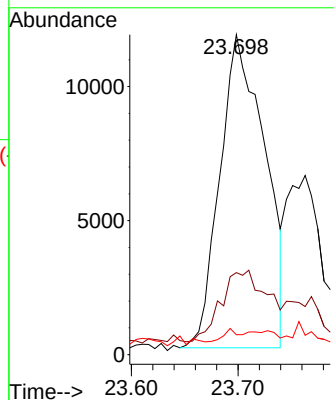
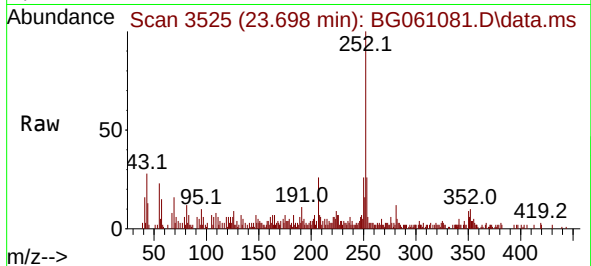




#88
Benzo(b)fluoranthene
Concen: 2.891 ng
RT: 23.698 min Scan# 3525
Delta R.T. -0.039 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

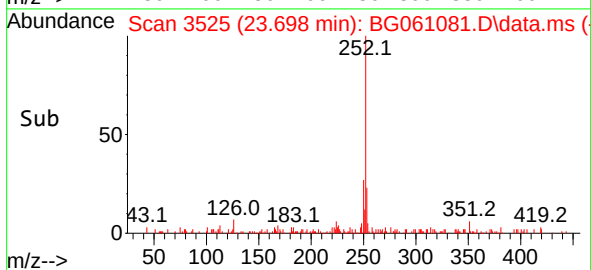
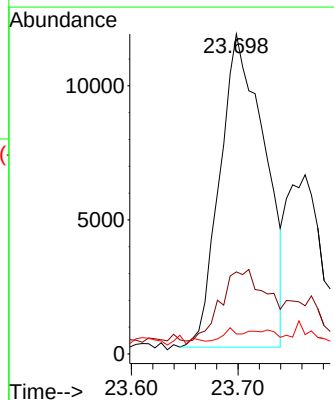
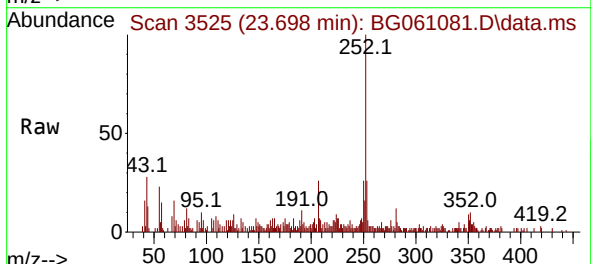
Instrument :
BNA_G
ClientSampleId :

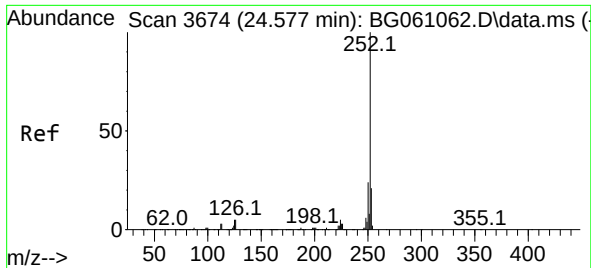
Tgt Ion:252 Resp: 34121
Ion Ratio Lower Upper
252 100
253 25.7 18.2 27.2
125 6.2 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 3.005 ng
RT: 23.698 min Scan# 3525
Delta R.T. -0.103 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

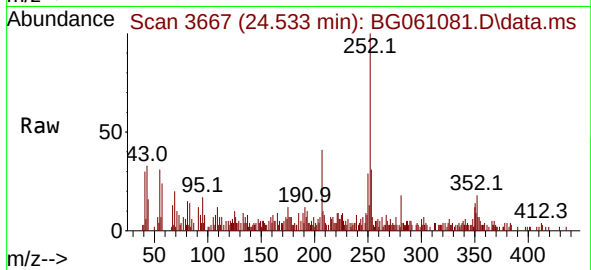
Tgt Ion:252 Resp: 34121
Ion Ratio Lower Upper
252 100
253 25.7 17.3 25.9
125 6.2 3.2 4.8#





#90
Benzo(a)pyrene
Concen: 2.226 ng
RT: 24.533 min Scan# 30
Delta R.T. -0.045 min
Lab File: BG061081.D
Acq: 1 May 2024 18:10

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:252 Resp: 22894
Ion Ratio Lower Upper
252 100
253 31.1 16.9 25.3#
125 10.0 3.8 5.8#

