

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
 Data File : BG061113.D
 Acq On : 3 May 2024 19:35
 Operator : MA/JU
 Sample : P2355-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VB16173

Quant Time: May 03 23:01:49 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)

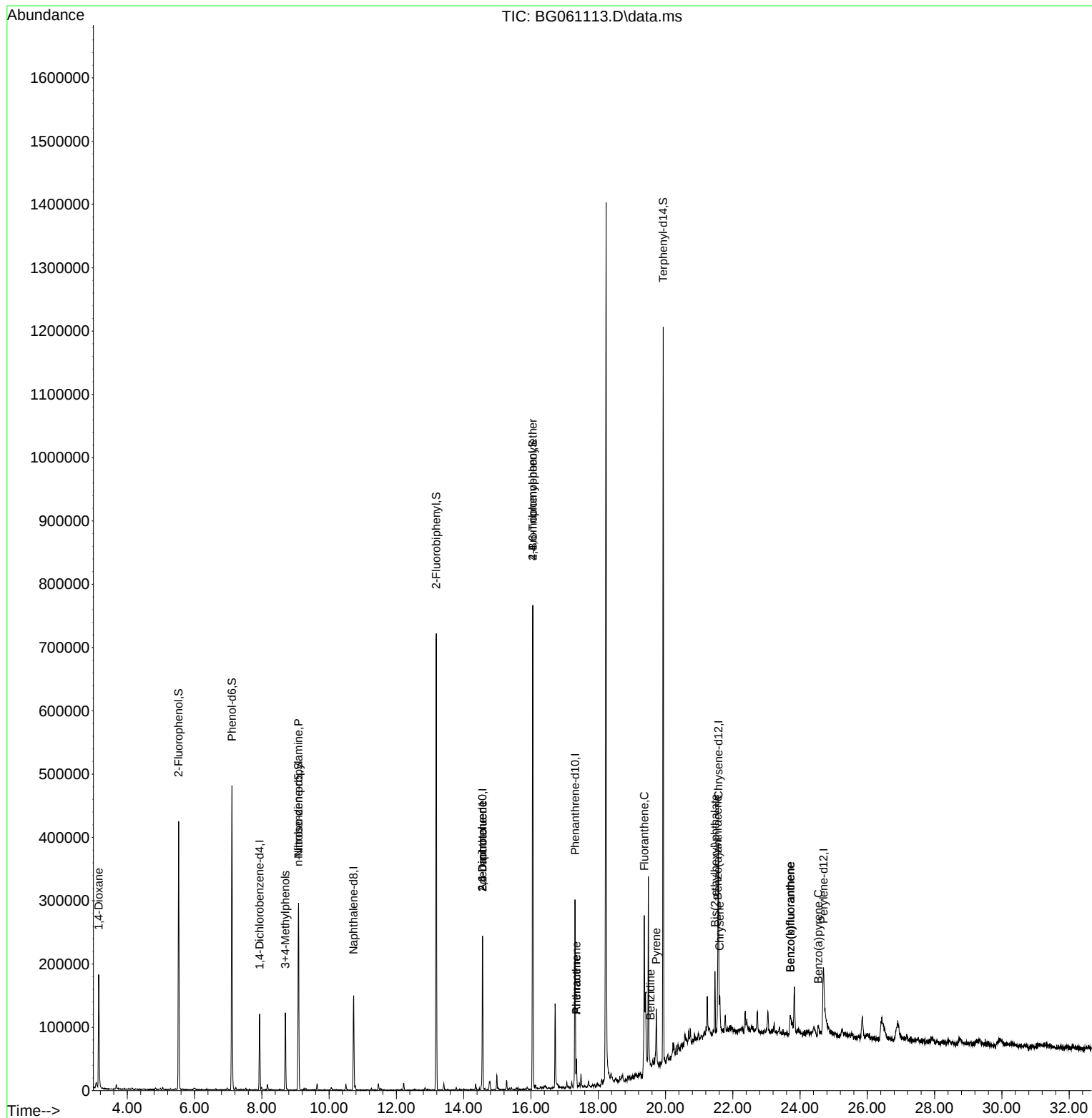
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	30630	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	118844	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	88160	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	188950	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	190329	20.000	ng	-0.02
86) Perylene-d12	24.697	264	166115	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	151628	100.676	ng	-0.02
7) Phenol-d6	7.112	99	211695	95.016	ng	-0.02
23) Nitrobenzene-d5	9.092	82	150770	62.889	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	168019	95.348	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	371160	62.255	ng	-0.02
79) Terphenyl-d14	19.932	244	589094	51.476	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.152	88	1712	2.811	ng	# 1
9) Benzaldehyde	7.077	77	148	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.086	70	22297	13.373	ng	# 57
20) 3+4-Methylphenols	8.699	107	46953	20.156	ng	94
51) 2,6-Dinitrotoluene	14.562	165	11550	7.930	ng	# 15
57) 2,4-Dinitrotoluene	14.562	165	11550	5.360	ng	# 17
67) 4-Bromophenyl-phenylether	16.055	248	10979	4.932	ng	# 1
71) Phenanthrene	17.353	178	28859	3.340	ng	97
72) Anthracene	17.353	178	28859	3.348	ng	97
75) Fluoranthene	19.368	202	65628	5.545	ng	99
77) Benzidine	19.556	184	465	2.916	ng	# 1
78) Pyrene	19.727	202	60199	4.975	ng	97
81) Benzo(a)anthracene	21.554	228	31392	2.521	ng	94
83) Chrysene	21.613	228	35211	3.018	ng	97
84) Bis(2-ethylhexyl)phtha...	21.472	149	39533	7.904	ng	# 98
88) Benzo(b)fluoranthene	23.716	252	37403	4.029	ng	# 92
89) Benzo(k)fluoranthene	23.716	252	37403	4.188	ng	# 90
90) Benzo(a)pyrene	24.545	252	19550	2.417	ng	# 76

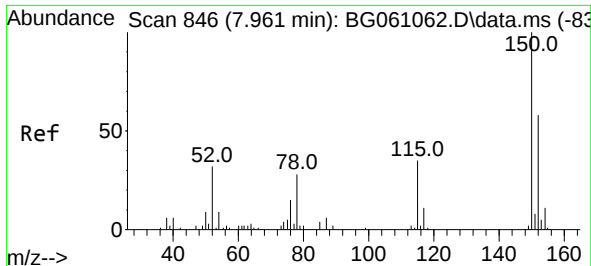
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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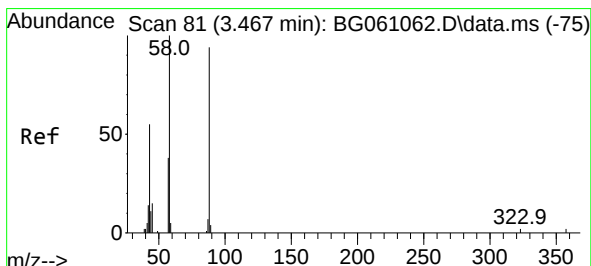
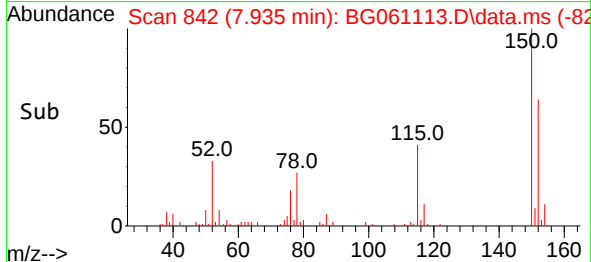
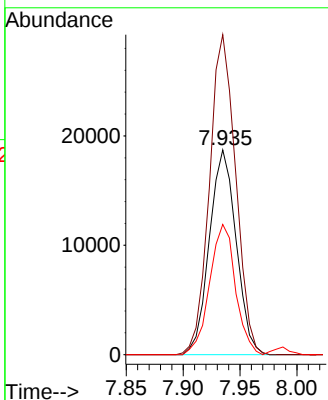
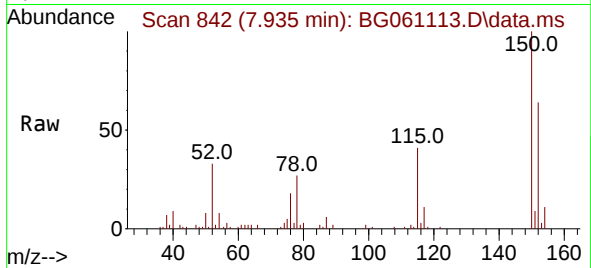




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.935 min Scan# 84
 Delta R.T. -0.026 min
 Lab File: BG061113.D
 Acq: 3 May 2024 19:35

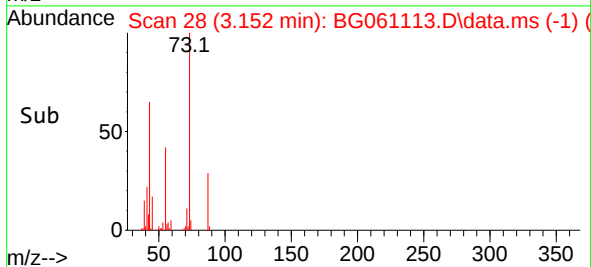
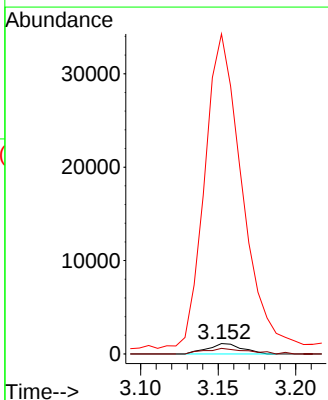
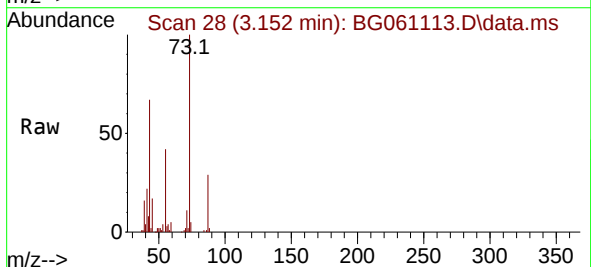
Instrument :
 BNA_G
 ClientSampleId :
 VB16173

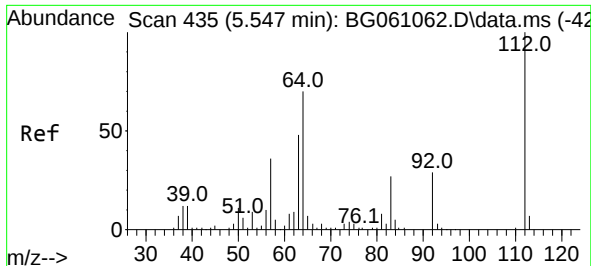
Tgt Ion:152 Resp: 30630
 Ion Ratio Lower Upper
 152 100
 150 156.3 138.3 207.5
 115 63.6 48.0 72.0



#2
 1,4-Dioxane
 Concen: 2.811 ng
 RT: 3.152 min Scan# 28
 Delta R.T. -0.315 min
 Lab File: BG061113.D
 Acq: 3 May 2024 19:35

Tgt Ion: 88 Resp: 1712
 Ion Ratio Lower Upper
 88 100
 58 69.6 81.2 121.8#
 43 3294.1 45.0 67.4#

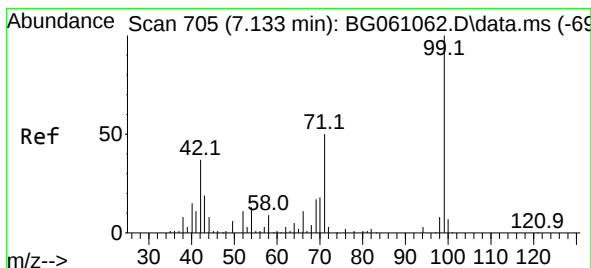
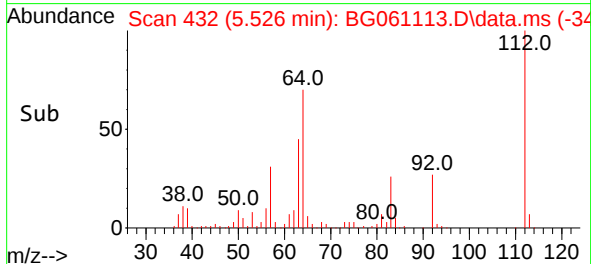
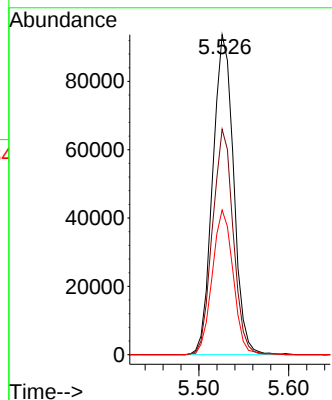
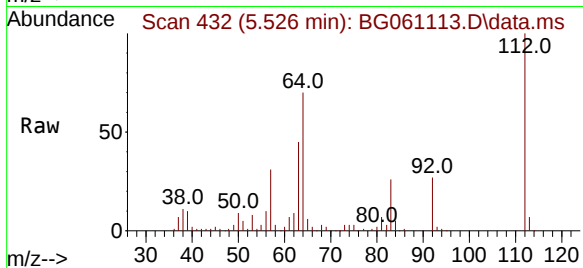




#5
2-Fluorophenol
Concen: 100.676 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

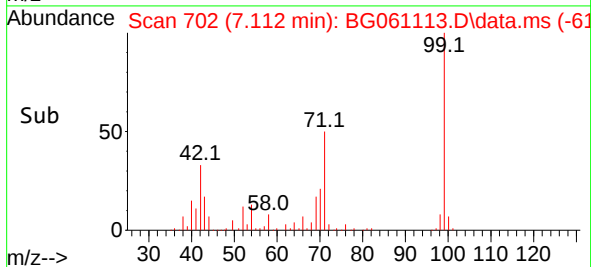
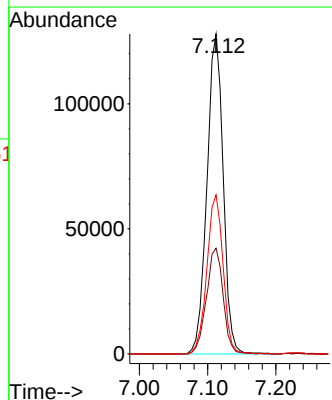
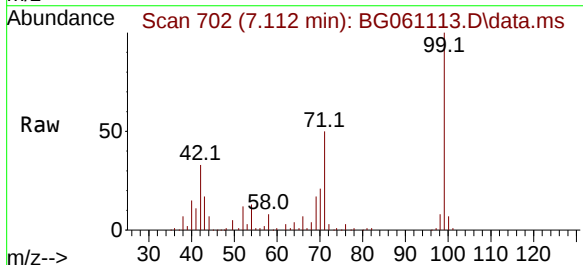
Instrument :
BNA_G
ClientSampleId :
VB16173

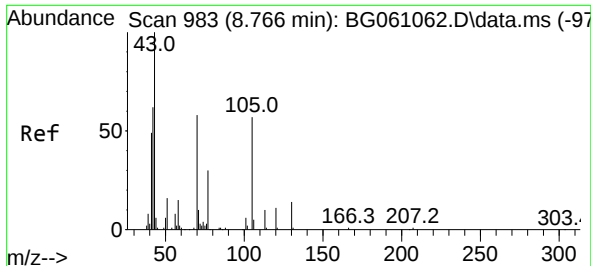
Tgt Ion:112 Resp: 151628
Ion Ratio Lower Upper
112 100
64 70.5 55.7 83.5
63 45.2 38.1 57.1



#7
Phenol-d6
Concen: 95.016 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Tgt Ion: 99 Resp: 211695
Ion Ratio Lower Upper
99 100
42 33.0 29.2 43.8
71 49.7 39.7 59.5





#19

n-Nitroso-di-n-propylamine

Concen: 13.373 ng

RT: 9.086 min Scan# 1038

Delta R.T. 0.320 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

VB16173

Tgt Ion: 70 Resp: 22297

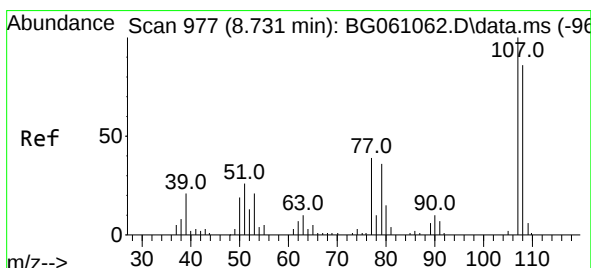
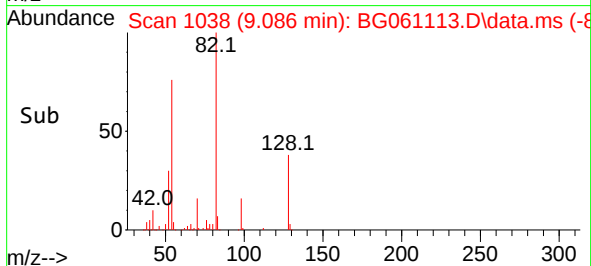
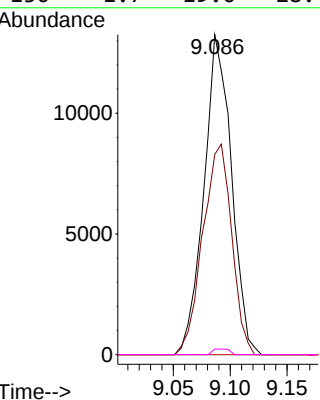
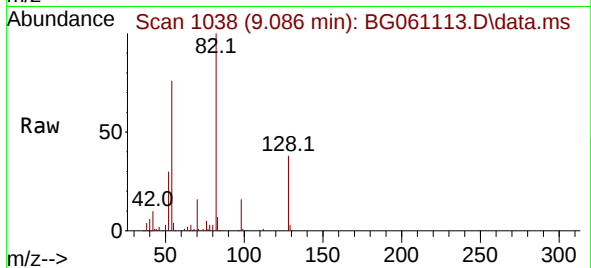
Ion Ratio Lower Upper

70 100

42 62.6 86.4 129.6#

101 0.0 7.8 11.8#

130 1.7 19.0 28.4#



#20

3+4-Methylphenols

Concen: 20.156 ng

RT: 8.699 min Scan# 972

Delta R.T. -0.033 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Tgt Ion:107 Resp: 46953

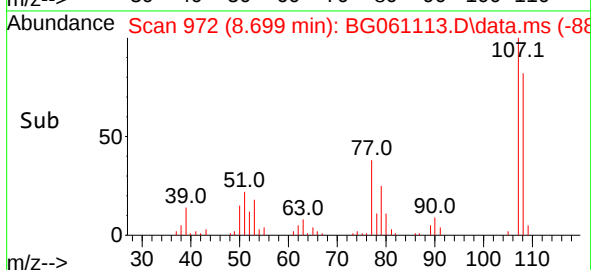
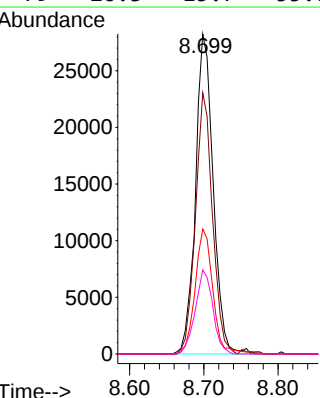
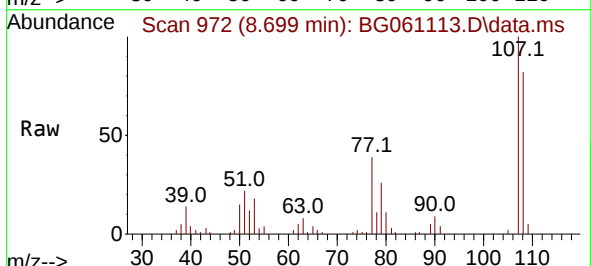
Ion Ratio Lower Upper

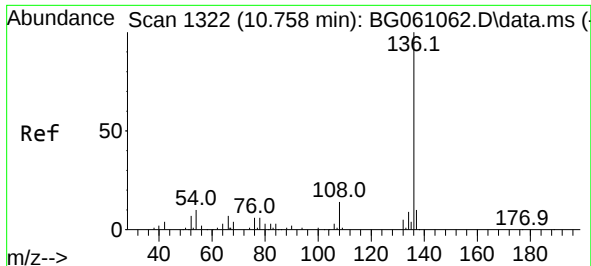
107 100

108 81.6 65.7 105.7

77 39.0 19.4 59.4

79 26.3 15.7 55.7

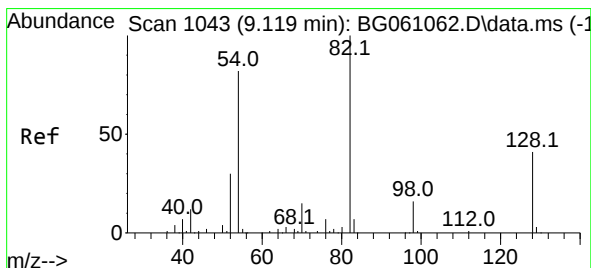
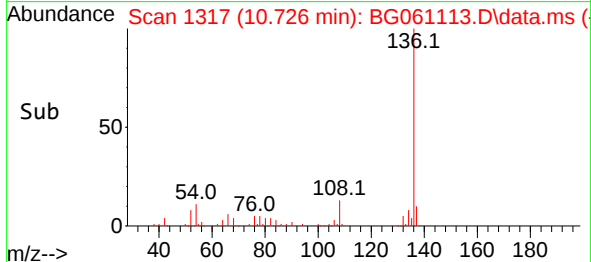
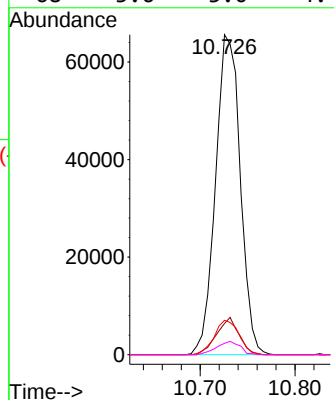
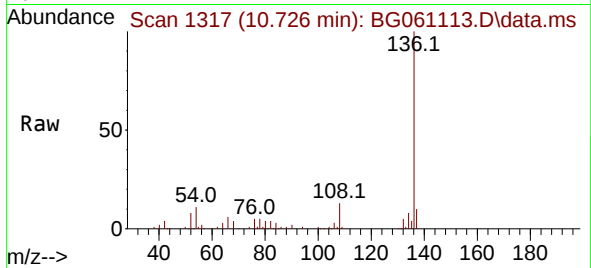




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 11
Delta R.T. -0.033 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

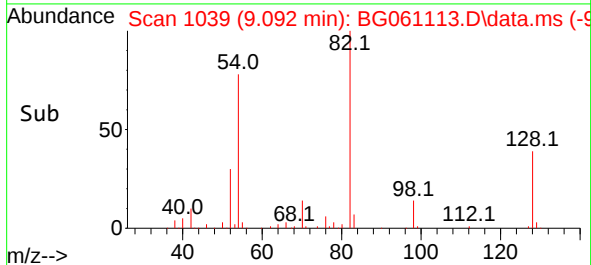
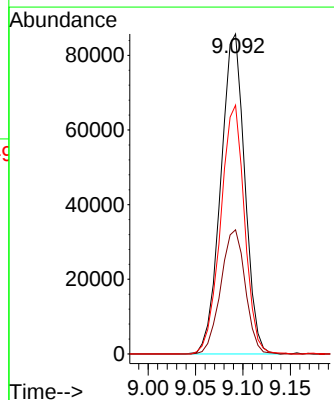
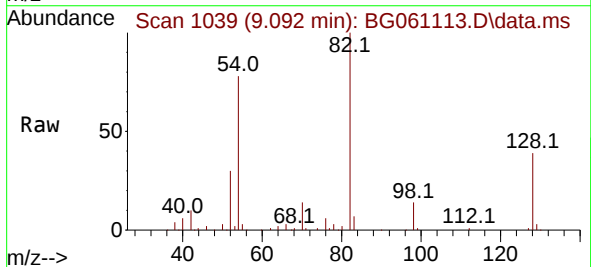
Instrument :
BNA_G
ClientSampleId :
VB16173

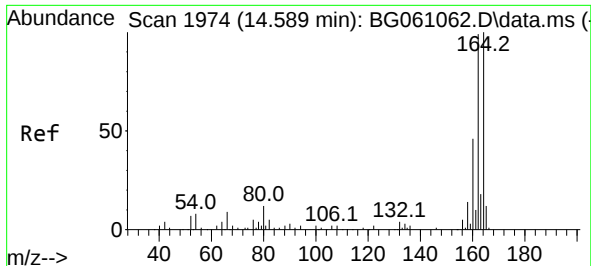
Tgt Ion:136 Resp: 118844
Ion Ratio Lower Upper
136 100
137 9.8 7.8 11.6
54 10.8 8.1 12.1
68 3.6 3.0 4.4



#23
Nitrobenzene-d5
Concen: 62.889 ng
RT: 9.092 min Scan# 1039
Delta R.T. -0.027 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Tgt Ion: 82 Resp: 150770
Ion Ratio Lower Upper
82 100
128 38.8 32.7 49.1
54 77.8 65.6 98.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1970

Delta R.T. -0.027 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

VB16173

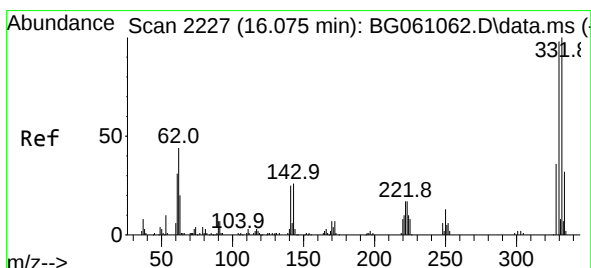
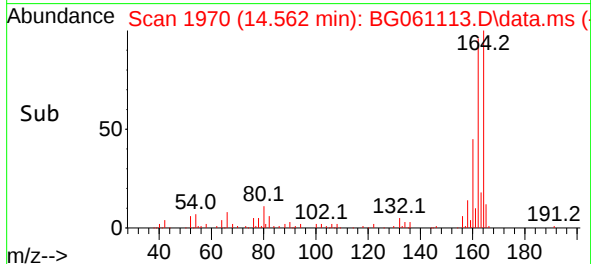
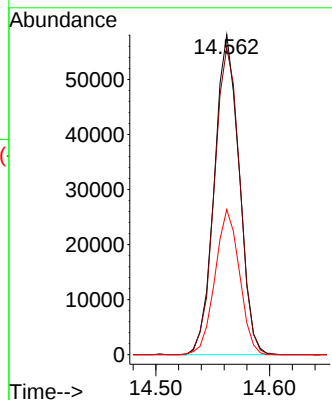
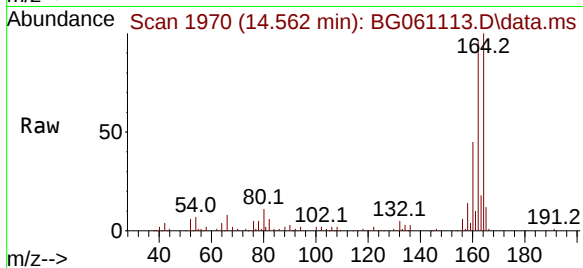
Tgt Ion:164 Resp: 88160

Ion Ratio Lower Upper

164 100

162 96.0 79.4 119.2

160 45.4 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 95.348 ng

RT: 16.055 min Scan# 2224

Delta R.T. -0.021 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

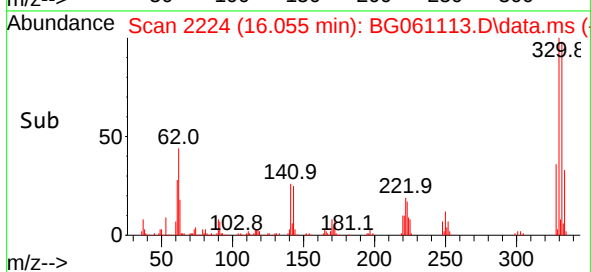
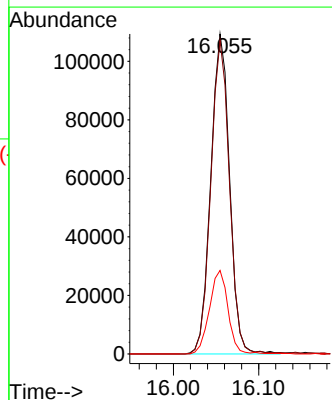
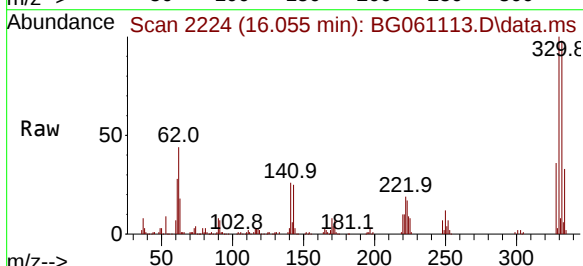
Tgt Ion:330 Resp: 168019

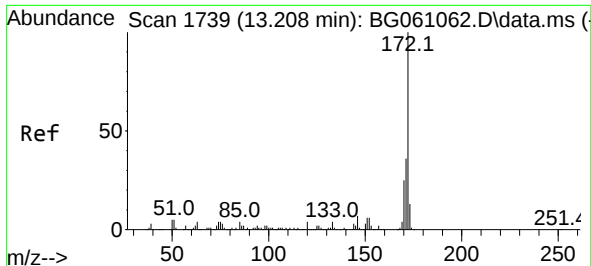
Ion Ratio Lower Upper

330 100

332 97.1 78.6 117.8

141 25.9 20.5 30.7

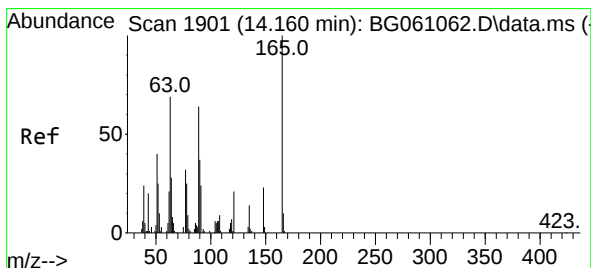
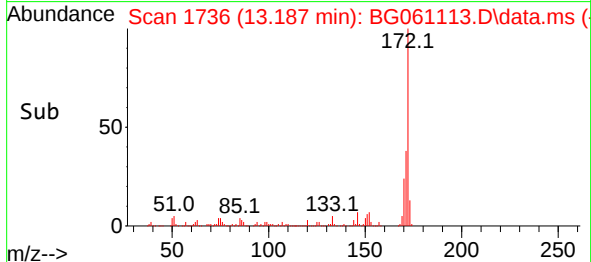
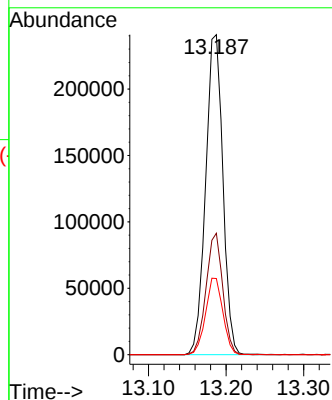
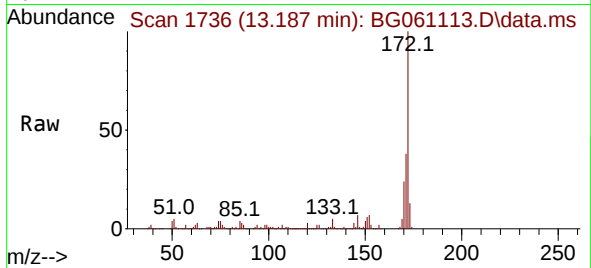




#45
2-Fluorobiphenyl
Concen: 62.255 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

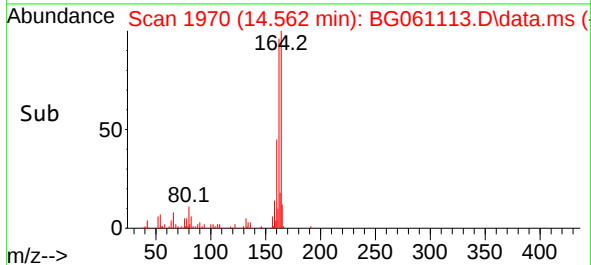
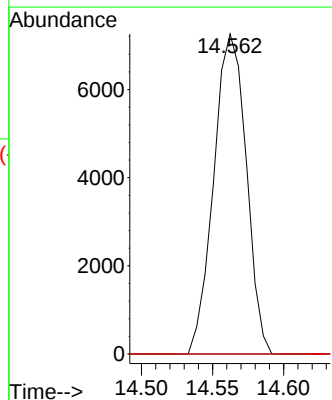
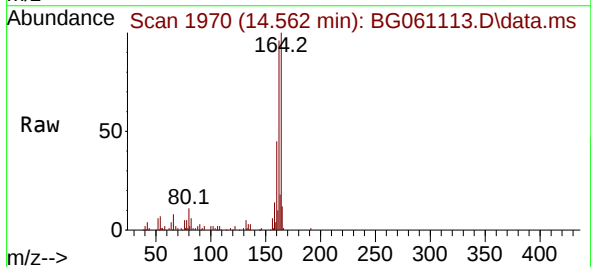
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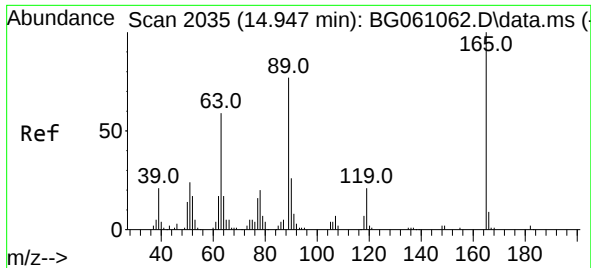
Tgt Ion:172 Resp: 371160
Ion Ratio Lower Upper
172 100
171 38.0 29.0 43.6
170 23.8 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.930 ng
RT: 14.562 min Scan# 1970
Delta R.T. 0.402 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Tgt Ion:165 Resp: 11550
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#

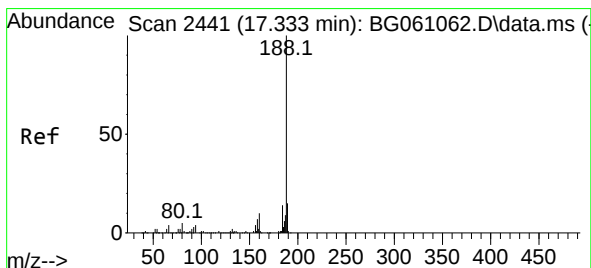
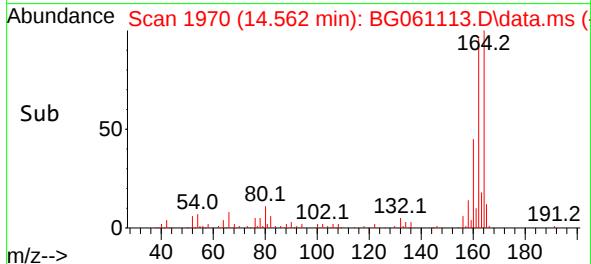
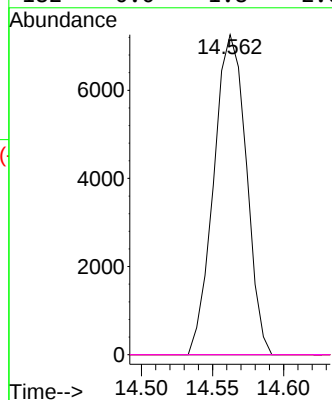
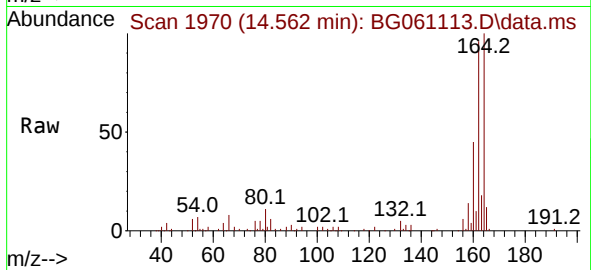




#57
2,4-Dinitrotoluene
Concen: 5.360 ng
RT: 14.562 min Scan# 1970
Delta R.T. -0.385 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

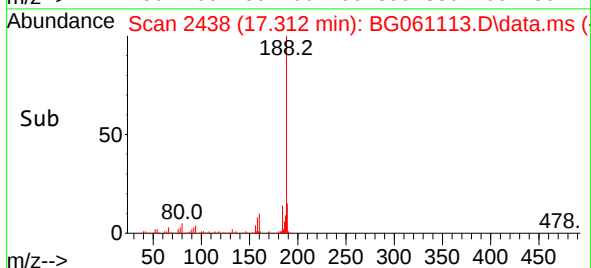
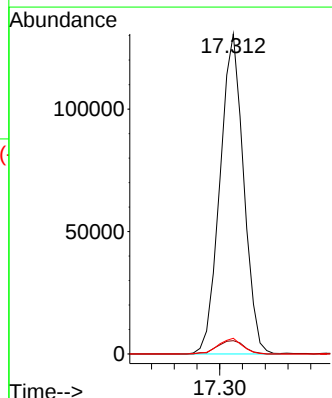
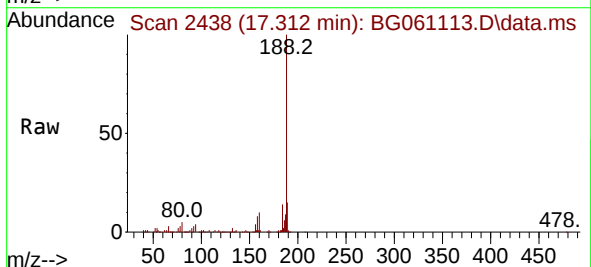
Instrument :
BNA_G
ClientSampleId :
VB16173

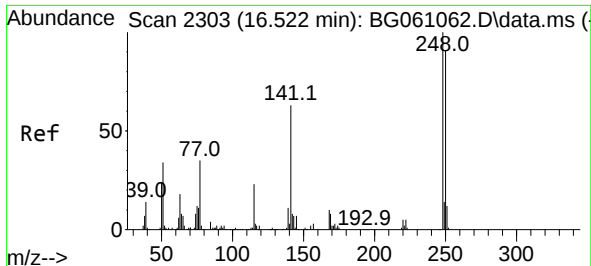
Tgt Ion:165	Resp:	11550
Ion	Ratio	Lower Upper
165	100	
63	0.0	47.3 70.9#
89	0.0	61.8 92.8#
182	0.0	1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Tgt Ion:188	Resp:	188950
Ion	Ratio	Lower Upper
188	100	
94	4.2	3.6 5.4
80	4.9	4.2 6.2

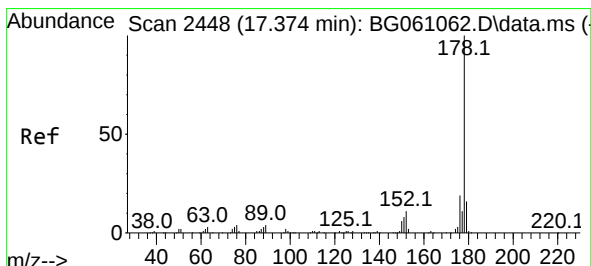
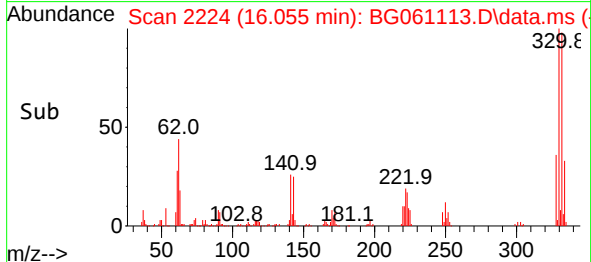
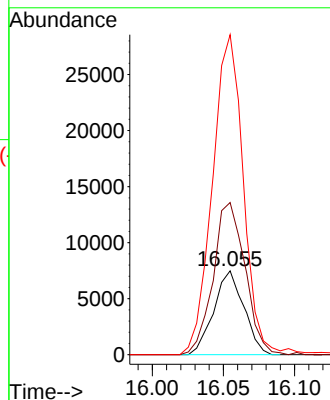
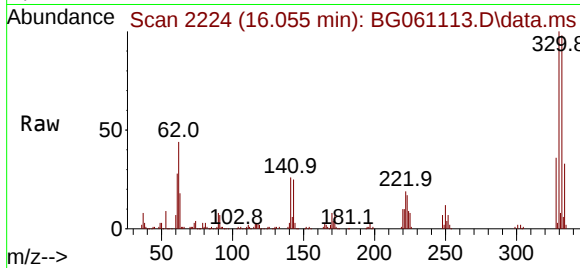




#67
4-Bromophenyl-phenylether
Concen: 4.932 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.467 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

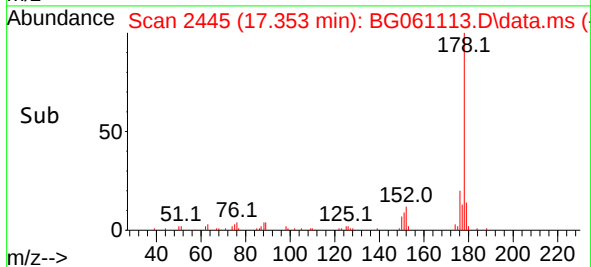
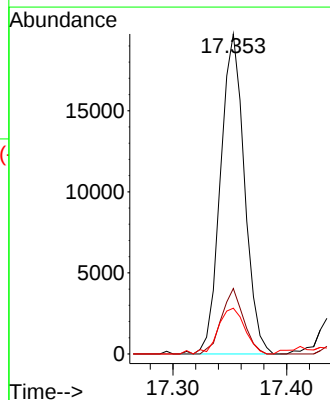
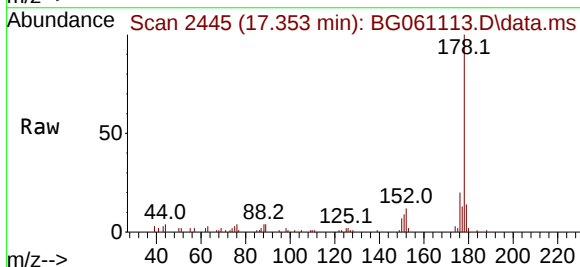
Instrument :
BNA_G
ClientSampleId :
VB16173

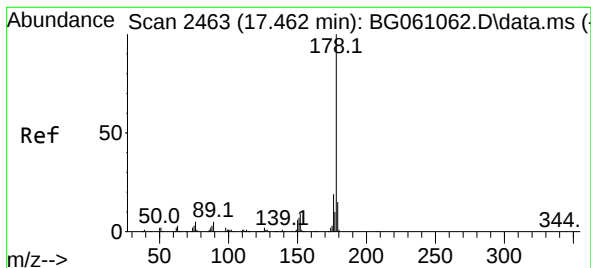
Tgt Ion:248 Resp: 10979
Ion Ratio Lower Upper
248 100
250 181.2 73.0 109.4#
141 381.3 50.8 76.2#



#71
Phenanthrene
Concen: 3.340 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Tgt Ion:178 Resp: 28859
Ion Ratio Lower Upper
178 100
176 20.4 15.5 23.3
179 14.3 12.6 19.0





#72

Anthracene

Concen: 3.348 ng

RT: 17.353 min Scan# 24

Delta R.T. -0.109 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

VB16173

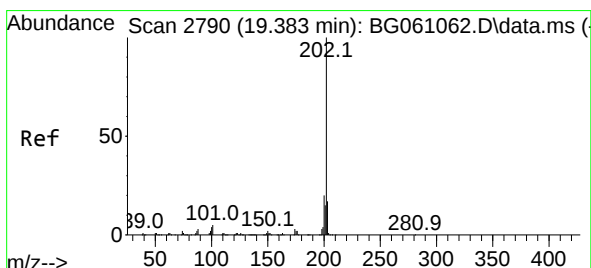
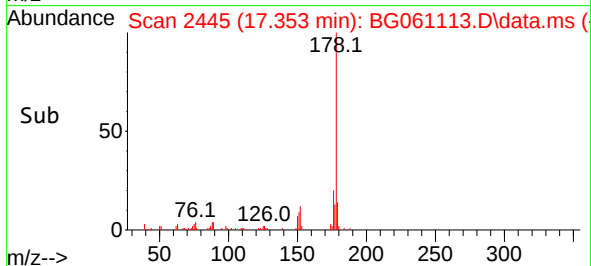
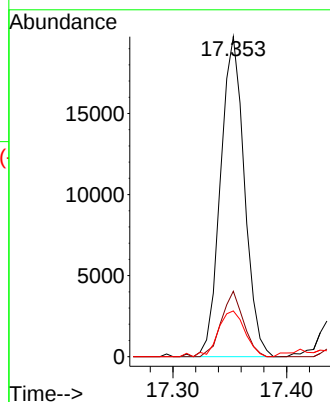
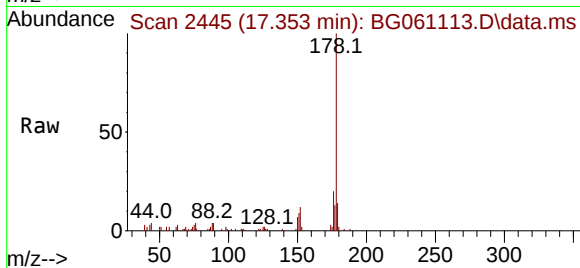
Tgt Ion:178 Resp: 28859

Ion Ratio Lower Upper

178 100

176 20.4 15.0 22.6

179 14.3 12.0 18.0



#75

Fluoranthene

Concen: 5.545 ng

RT: 19.368 min Scan# 2788

Delta R.T. -0.015 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

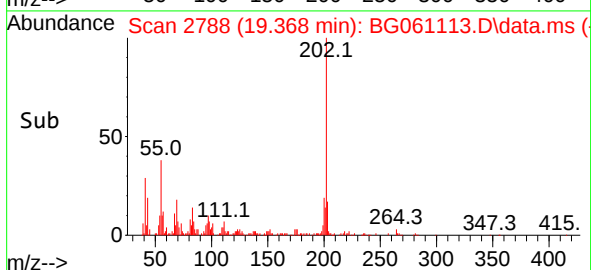
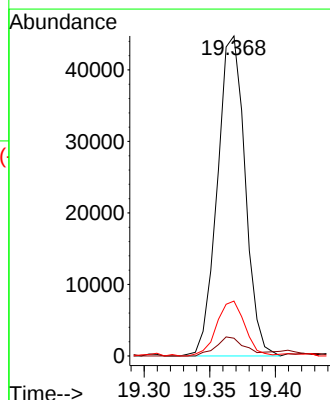
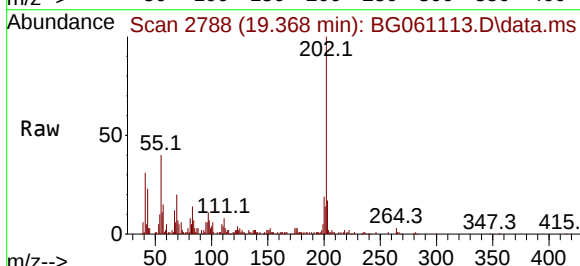
Tgt Ion:202 Resp: 65628

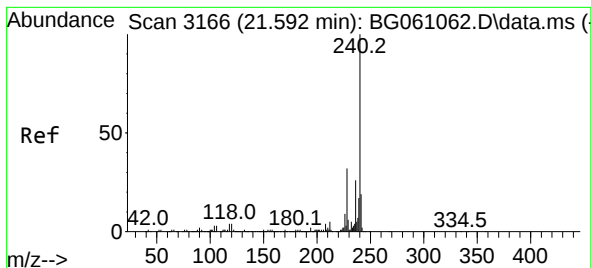
Ion Ratio Lower Upper

202 100

101 6.5 0.0 24.7

203 17.2 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 31

Delta R.T. -0.021 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

VB16173

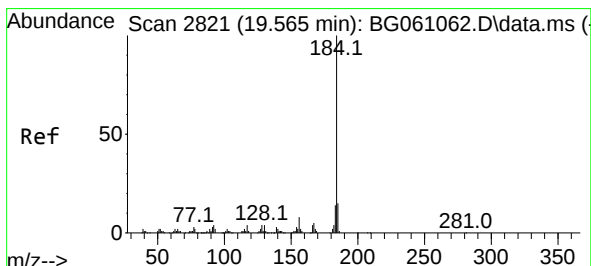
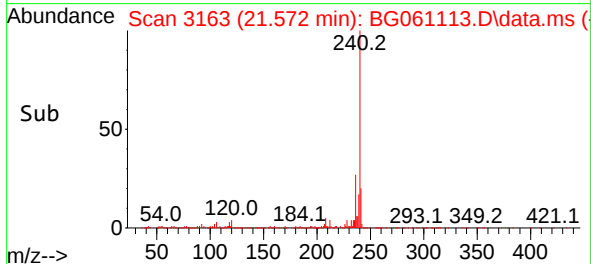
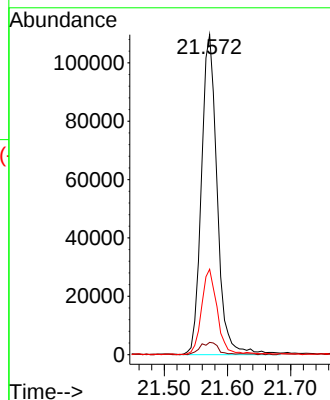
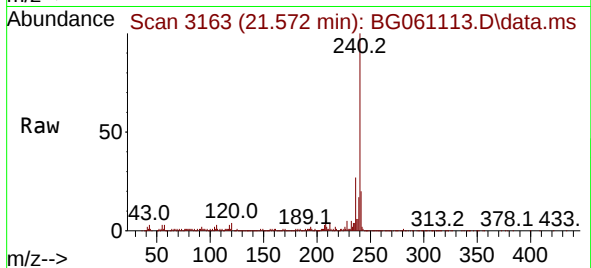
Tgt Ion:240 Resp: 190329

Ion Ratio Lower Upper

240 100

120 3.8 3.2 4.8

236 26.7 21.0 31.6



#77

Benzidine

Concen: 2.916 ng

RT: 19.556 min Scan# 2820

Delta R.T. -0.009 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

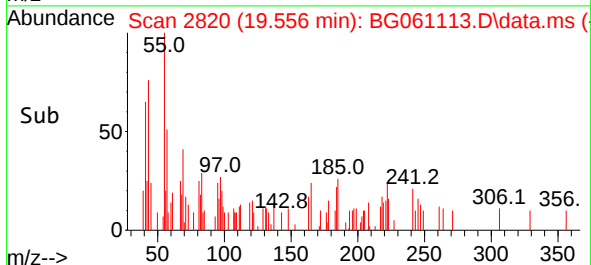
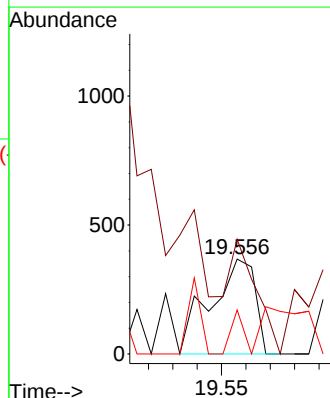
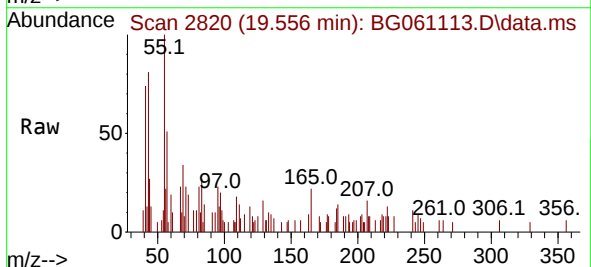
Tgt Ion:184 Resp: 465

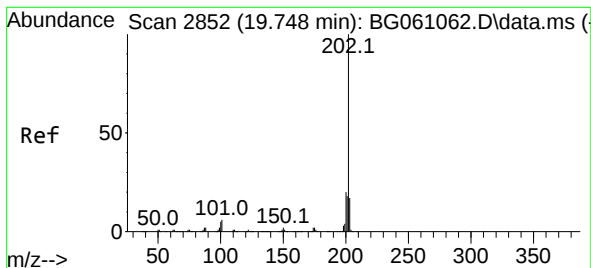
Ion Ratio Lower Upper

184 100

185 120.9 12.0 18.0#

183 46.5 10.9 16.3#





#78

Pyrene

Concen: 4.975 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

VB16173

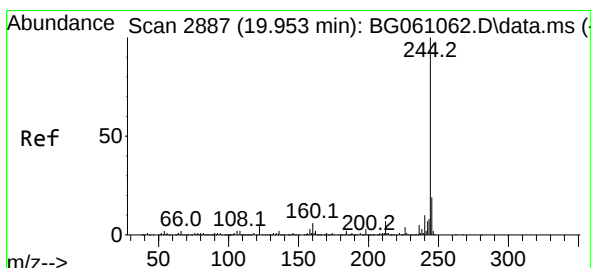
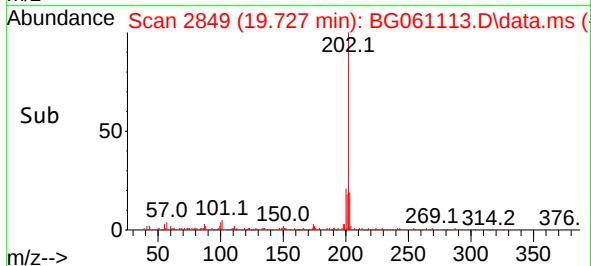
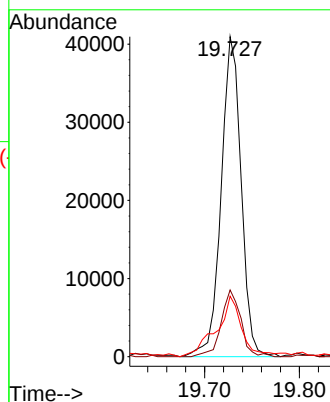
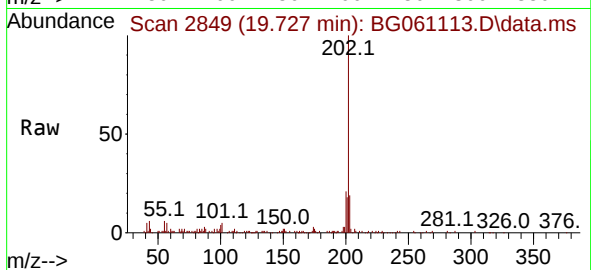
Tgt Ion:202 Resp: 60199

Ion Ratio Lower Upper

202 100

200 20.8 16.2 24.4

203 18.9 13.3 19.9



#79

Terphenyl-d14

Concen: 51.476 ng

RT: 19.932 min Scan# 2884

Delta R.T. -0.021 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

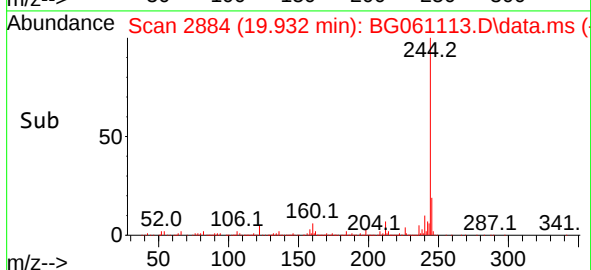
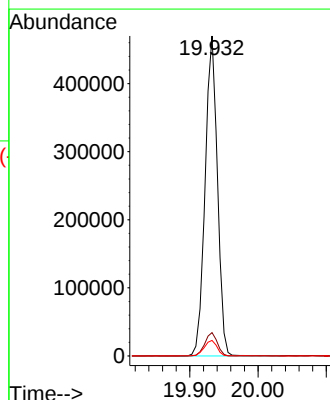
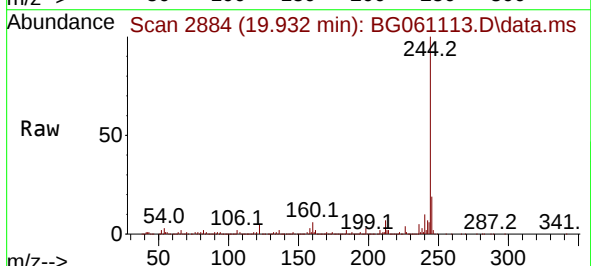
Tgt Ion:244 Resp: 589094

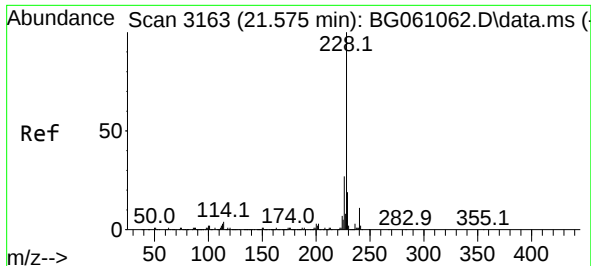
Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 4.9 4.2 6.2

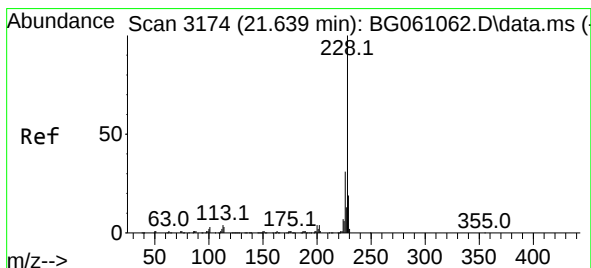
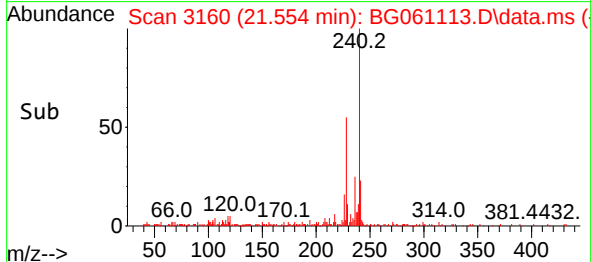
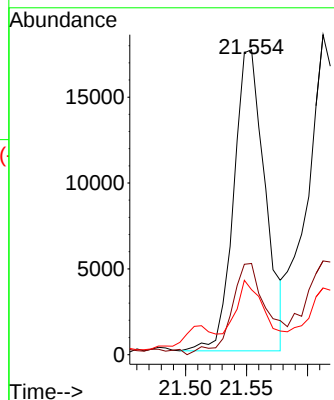
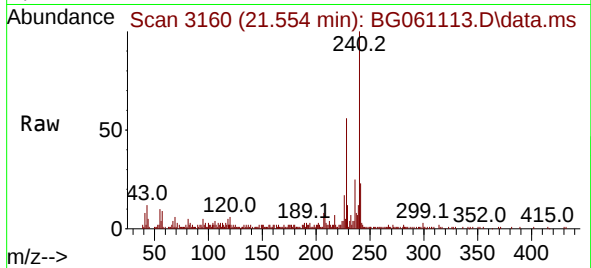




#81
Benzo(a)anthracene
Concen: 2.521 ng
RT: 21.554 min Scan# 3160
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

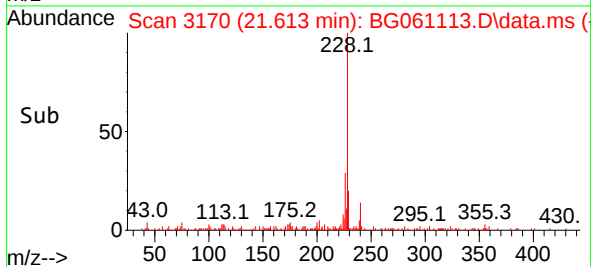
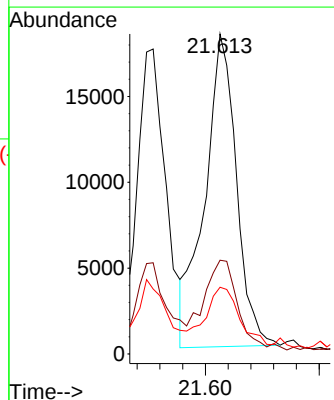
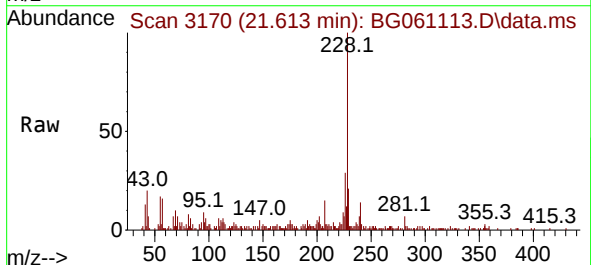
Instrument :
BNA_G
ClientSampleId :
VB16173

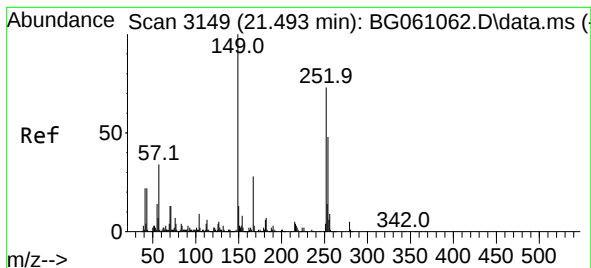
Tgt Ion:228 Resp: 31392
Ion Ratio Lower Upper
228 100
226 29.9 21.6 32.4
229 21.3 15.0 22.4



#83
Chrysene
Concen: 3.018 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.027 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Tgt Ion:228 Resp: 35211
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 20.9 14.8 22.2

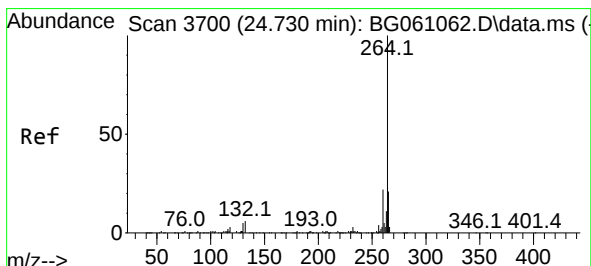
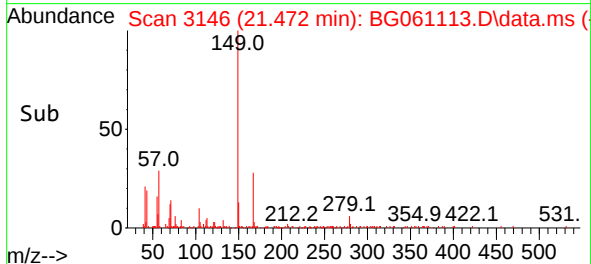
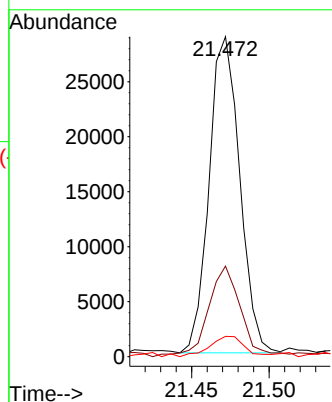
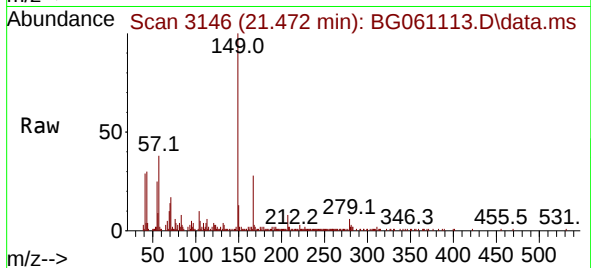




#84
Bis(2-ethylhexyl)phthalate
Concen: 7.904 ng
RT: 21.472 min Scan# 3149
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

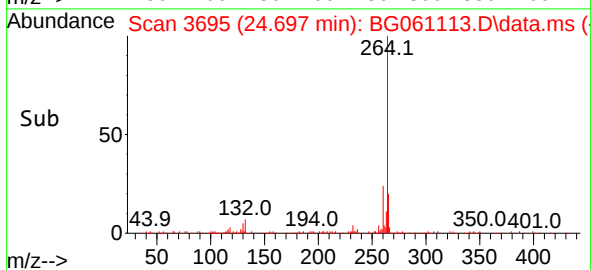
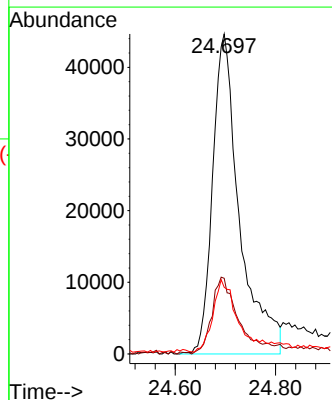
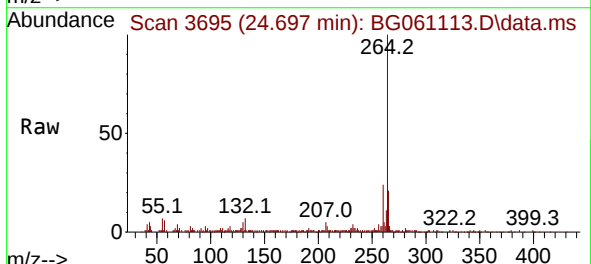
Instrument :
BNA_G
ClientSampleId :
VB16173

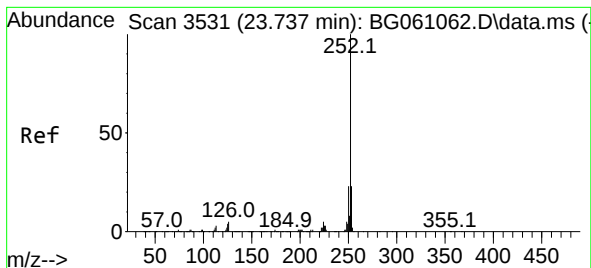
Tgt Ion:149 Resp: 39533
Ion Ratio Lower Upper
149 100
167 28.3 22.1 33.1
279 6.3 4.1 6.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.697 min Scan# 3695
Delta R.T. -0.032 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Tgt Ion:264 Resp: 166115
Ion Ratio Lower Upper
264 100
260 23.6 17.7 26.5
265 20.8 16.4 24.6





#88

Benzo(b)fluoranthene

Concen: 4.029 ng

RT: 23.716 min Scan# 3528

Delta R.T. -0.021 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

VB16173

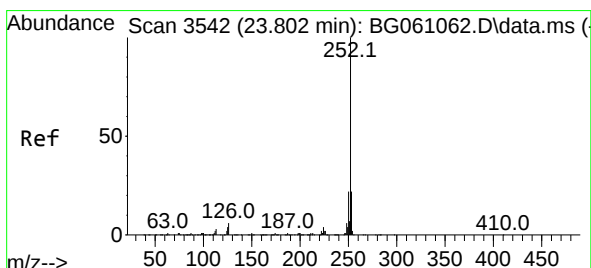
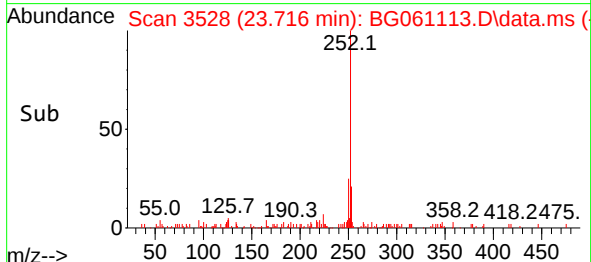
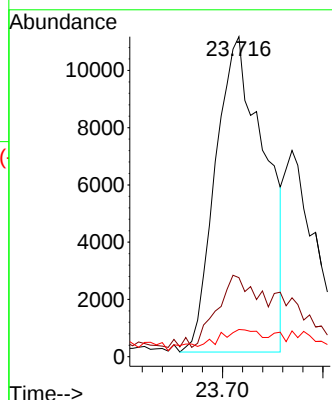
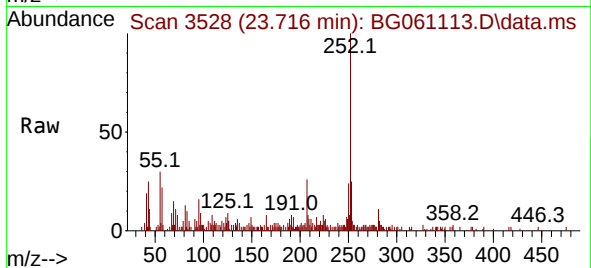
Tgt Ion:252 Resp: 37403

Ion Ratio Lower Upper

252 100

253 24.7 18.2 27.2

125 13.5 3.4 5.0#



#89

Benzo(k)fluoranthene

Concen: 4.188 ng

RT: 23.716 min Scan# 3528

Delta R.T. -0.085 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

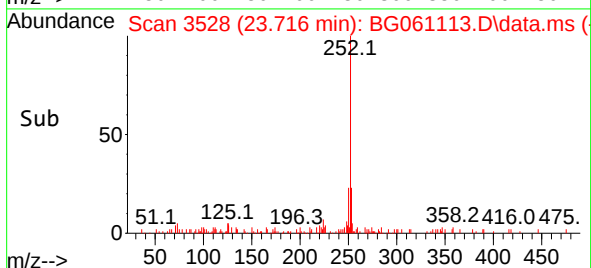
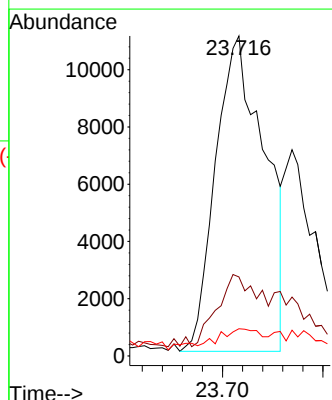
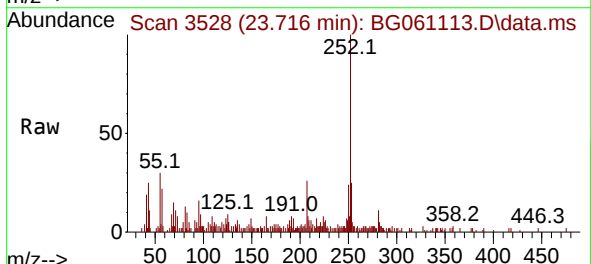
Tgt Ion:252 Resp: 37403

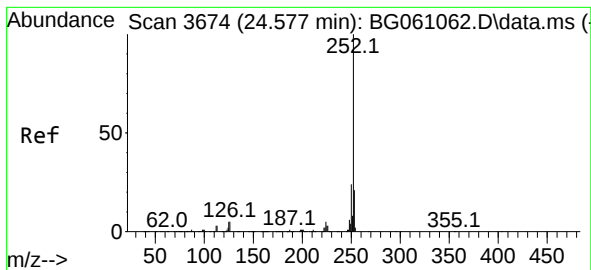
Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 13.5 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 2.417 ng

RT: 24.545 min Scan# 3

Delta R.T. -0.033 min

Lab File: BG061113.D

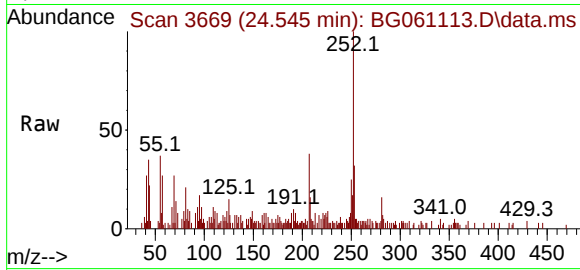
Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

VB16173



Tgt Ion:252 Resp: 19550

Ion Ratio Lower Upper

252 100

253 31.8 16.9 25.3#

125 14.6 3.8 5.8#

