

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061119.D
 Acq On : 6 May 2024 14:05
 Operator : MA/JU
 Sample : P2375-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-A-COMP

Quant Time: May 06 15:02:16 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)

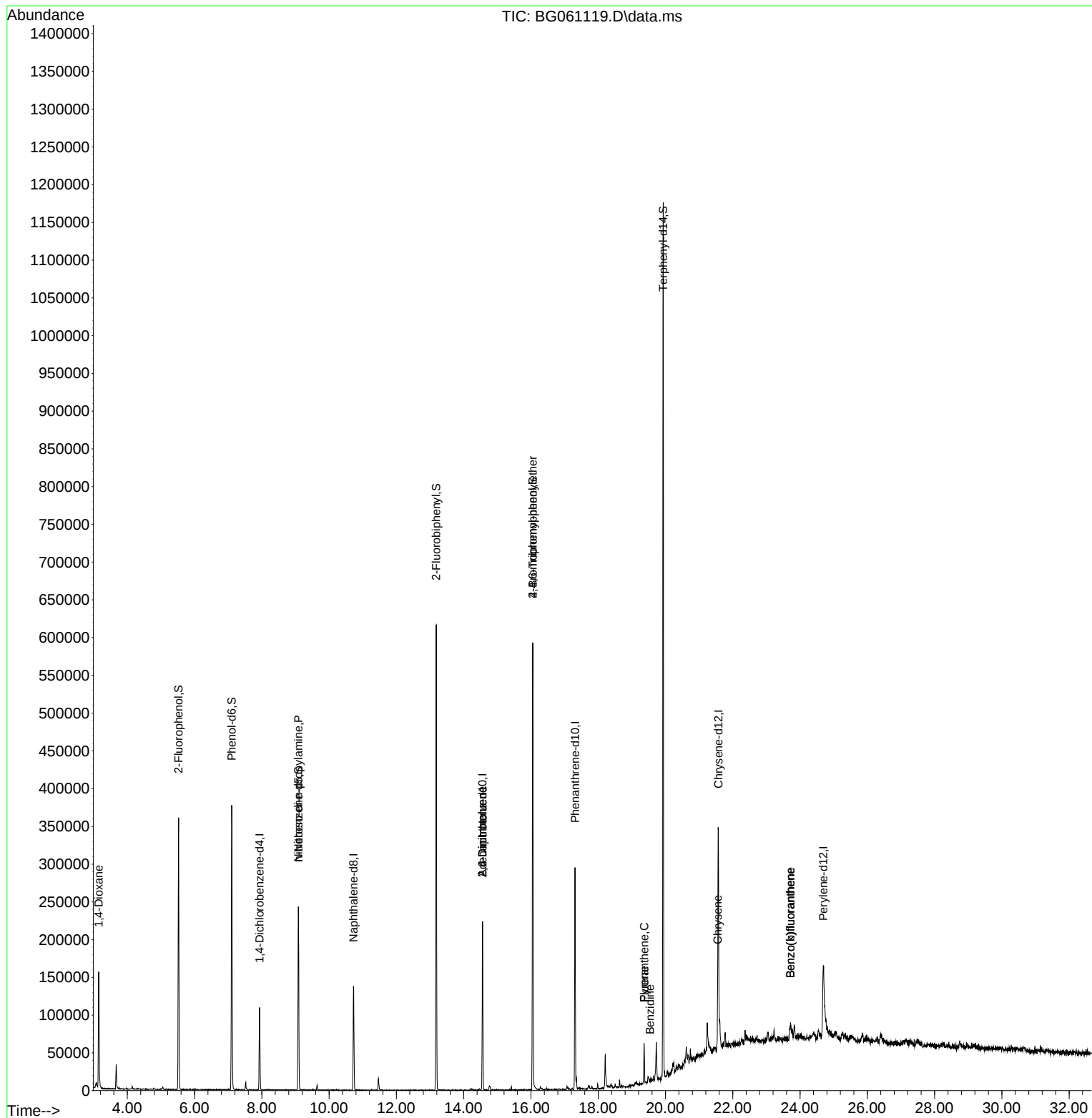
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	28143	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	110082	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	82240	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	188843	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	189347	20.000	ng	-0.02
86) Perylene-d12	24.692	264	157444	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	127155	91.888	ng	-0.02
7) Phenol-d6	7.107	99	170882	83.476	ng	-0.03
23) Nitrobenzene-d5	9.087	82	123735	55.720	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	130643	79.475	ng	-0.02
45) 2-Fluorobiphenyl	13.188	172	334508	60.146	ng	-0.02
79) Terphenyl-d14	19.933	244	623162	54.736	ng	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.152	88	1293	2.311 ng	#	1
9) Benzaldehyde	7.107	77	347	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.087	70	19197	12.531 ng	#	55
51) 2,6-Dinitrotoluene	14.563	165	10792	7.943 ng	#	15
57) 2,4-Dinitrotoluene	14.563	165	10792	5.369 ng	#	17
67) 4-Bromophenyl-phenylether	16.055	248	7939	3.569 ng	#	1
75) Fluoranthene	19.369	202	33377	2.822 ng		95
77) Benzidine	19.545	184	830	3.012 ng	#	65
78) Pyrene	19.369	202	33377	2.773 ng		96
83) Chrysene	21.549	228	23838	2.053 ng		95
88) Benzo(b)fluoranthene	23.717	252	24111	2.741 ng	#	96
89) Benzo(k)fluoranthene	23.717	252	24111	2.849 ng	#	94

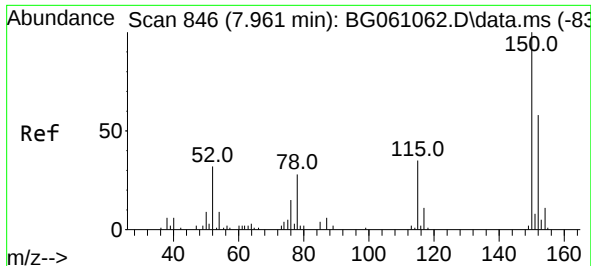
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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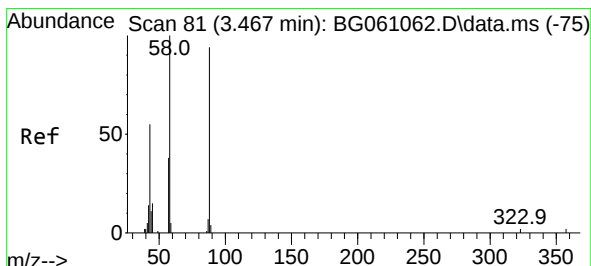
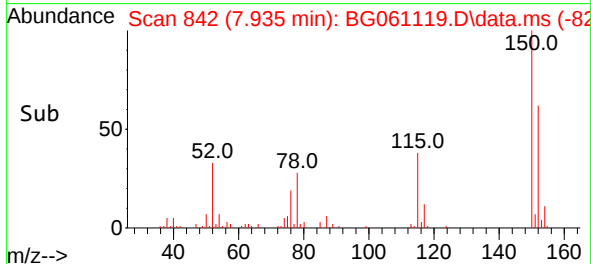
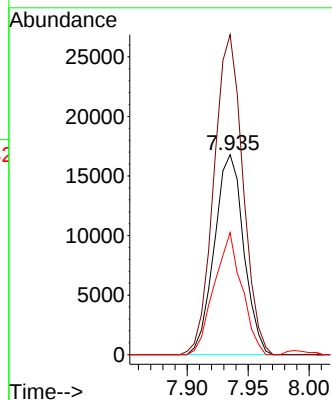
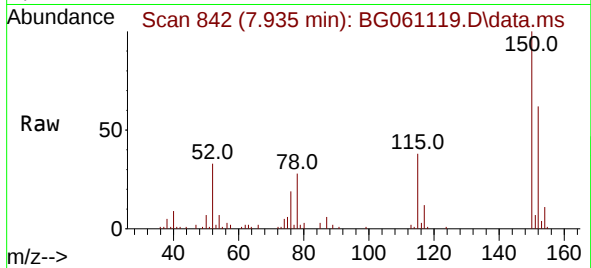




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 84
Delta R.T. -0.026 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

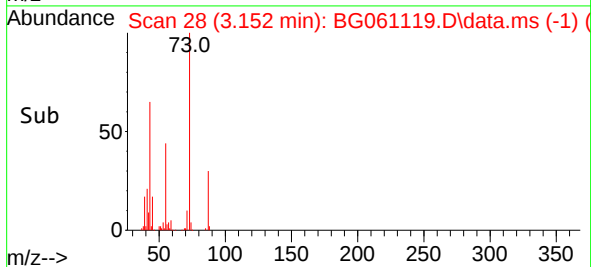
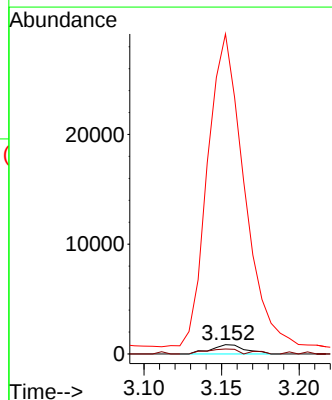
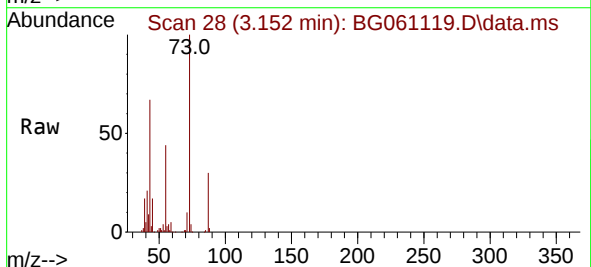
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

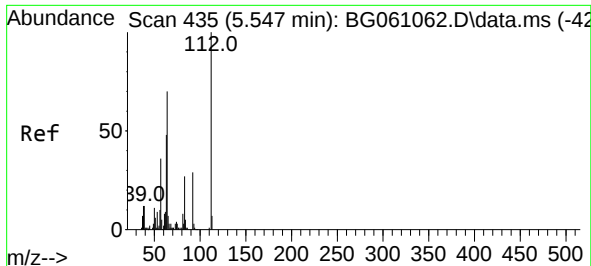
Tgt Ion:152 Resp: 28143
Ion Ratio Lower Upper
152 100
150 160.1 138.3 207.5
115 61.0 48.0 72.0



#2
1,4-Dioxane
Concen: 2.311 ng
RT: 3.152 min Scan# 28
Delta R.T. -0.314 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

Tgt Ion: 88 Resp: 1293
Ion Ratio Lower Upper
88 100
58 61.2 81.2 121.8#
43 3808.8 45.0 67.4#

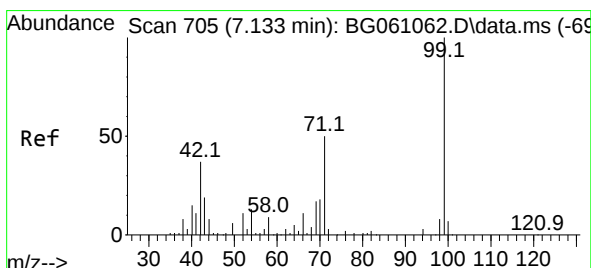
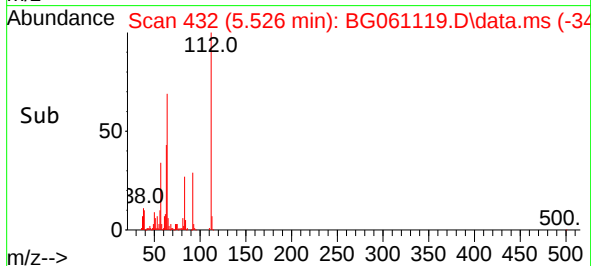
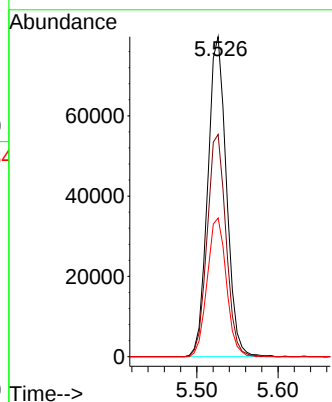
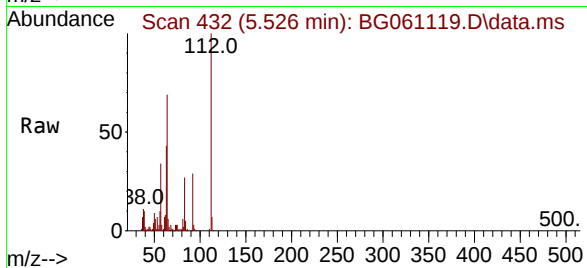




#5
2-Fluorophenol
Concen: 91.888 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.020 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

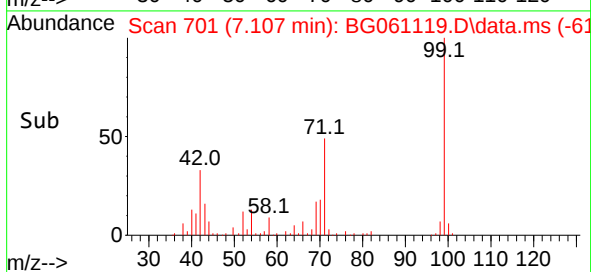
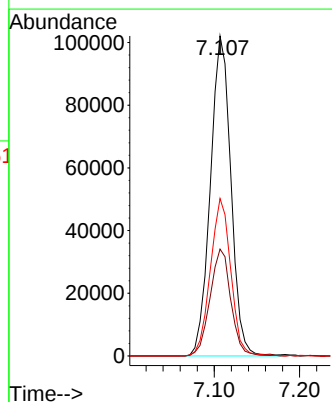
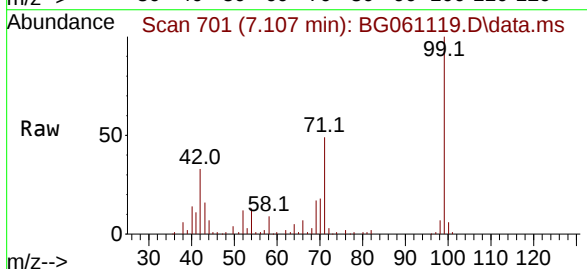
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

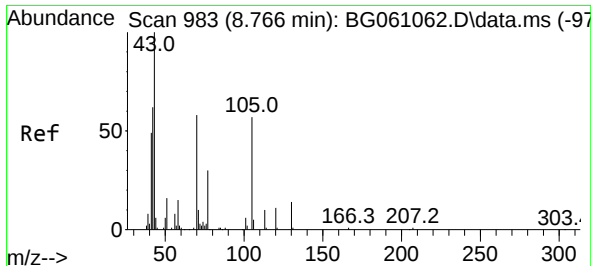
Tgt Ion:112 Resp: 127155
Ion Ratio Lower Upper
112 100
64 69.4 55.7 83.5
63 43.4 38.1 57.1



#7
Phenol-d6
Concen: 83.476 ng
RT: 7.107 min Scan# 701
Delta R.T. -0.026 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

Tgt Ion: 99 Resp: 170882
Ion Ratio Lower Upper
99 100
42 33.4 29.2 43.8
71 49.2 39.7 59.5





#19

n-Nitroso-di-n-propylamine

Concen: 12.531 ng

RT: 9.087 min Scan# 1

Delta R.T. 0.320 min

Lab File: BG061119.D

Acq: 6 May 2024 14:05

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

Tgt Ion: 70 Resp: 19197

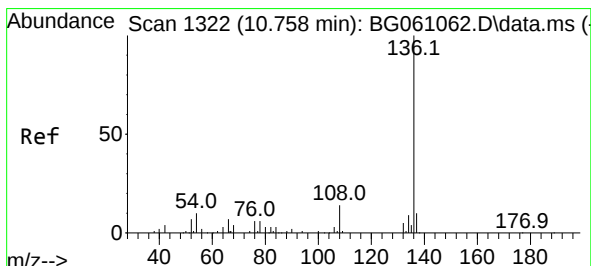
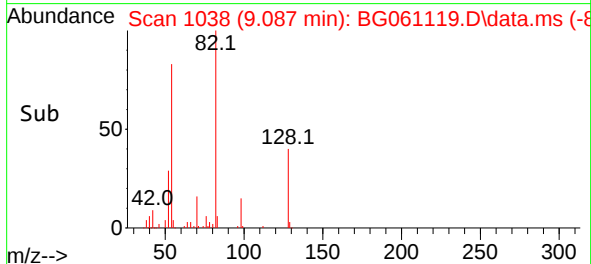
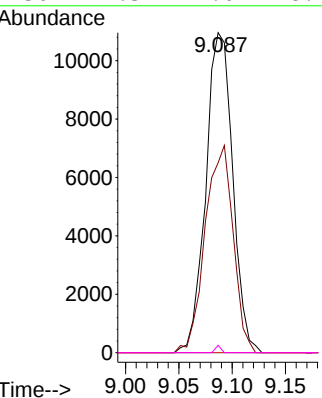
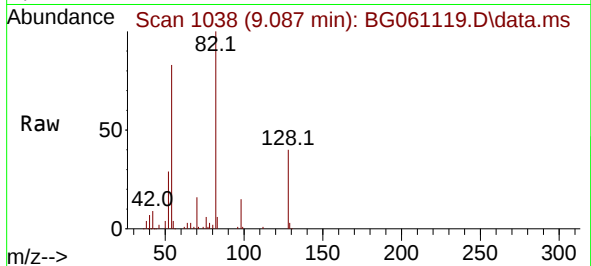
Ion Ratio Lower Upper

70 100

42 59.4 86.4 129.6#

101 0.0 7.8 11.8#

130 2.3 19.0 28.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.726 min Scan# 1317

Delta R.T. -0.032 min

Lab File: BG061119.D

Acq: 6 May 2024 14:05

Tgt Ion: 136 Resp: 110082

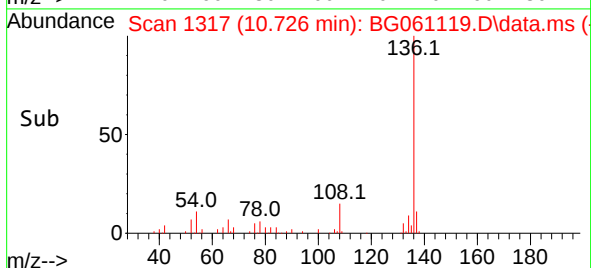
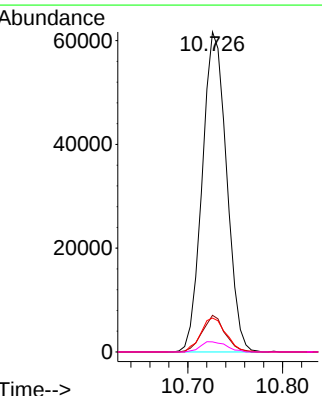
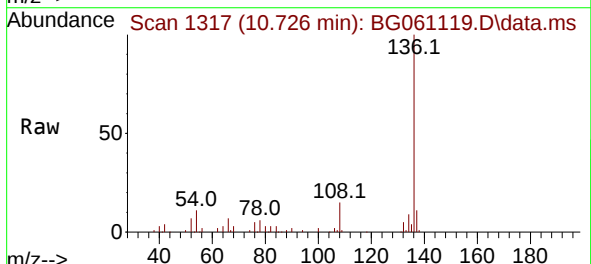
Ion Ratio Lower Upper

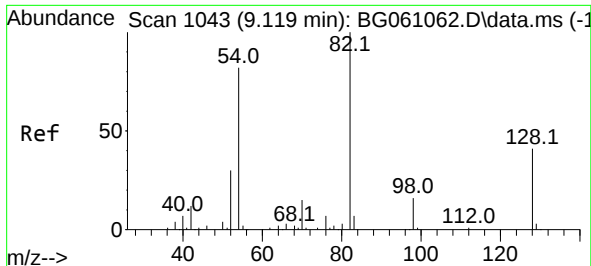
136 100

137 11.4 7.8 11.6

54 10.6 8.1 12.1

68 3.2 3.0 4.4





#23

Nitrobenzene-d5

Concen: 55.720 ng

RT: 9.087 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061119.D

Acq: 6 May 2024 14:05

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

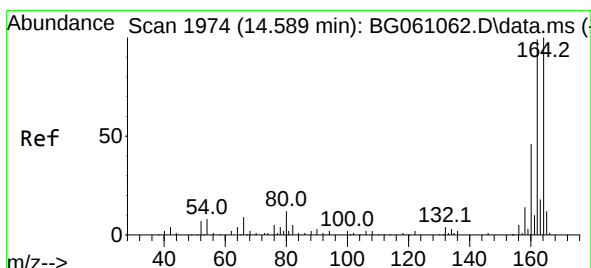
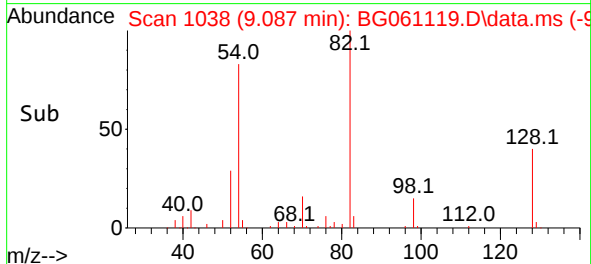
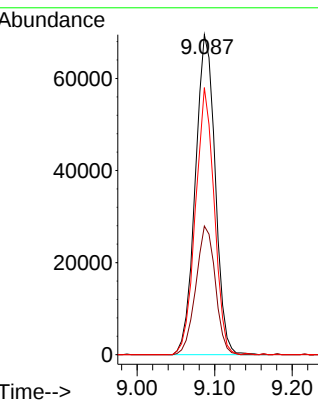
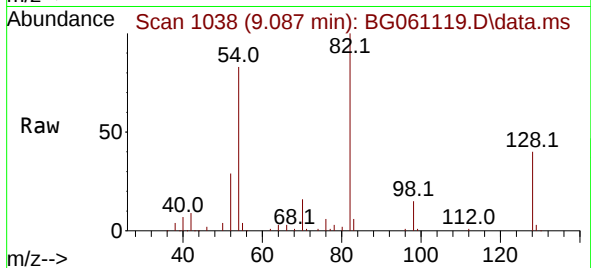
Tgt Ion: 82 Resp: 123735

Ion Ratio Lower Upper

82 100

128 40.2 32.7 49.1

54 83.4 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1970

Delta R.T. -0.026 min

Lab File: BG061119.D

Acq: 6 May 2024 14:05

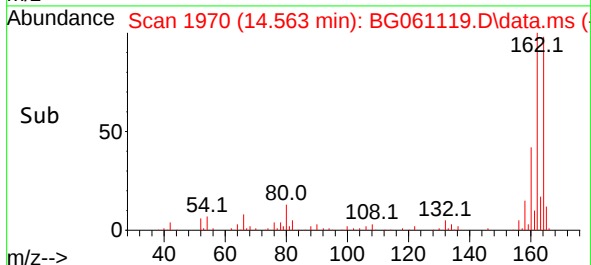
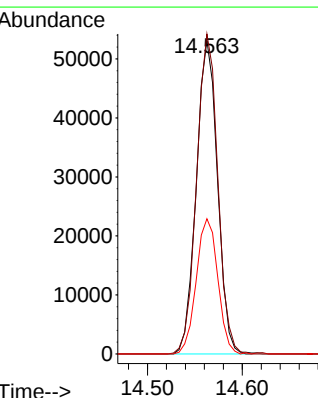
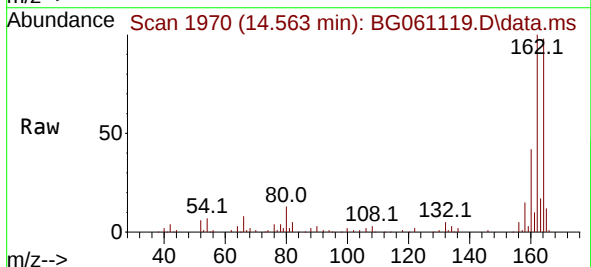
Tgt Ion:164 Resp: 82240

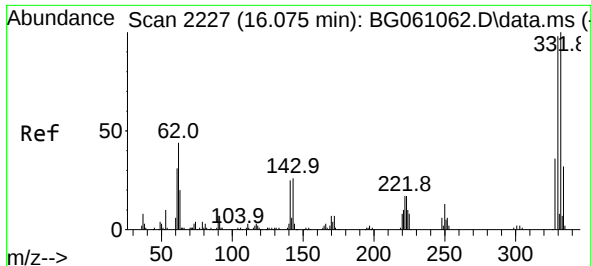
Ion Ratio Lower Upper

164 100

162 102.1 79.4 119.2

160 43.2 37.0 55.6

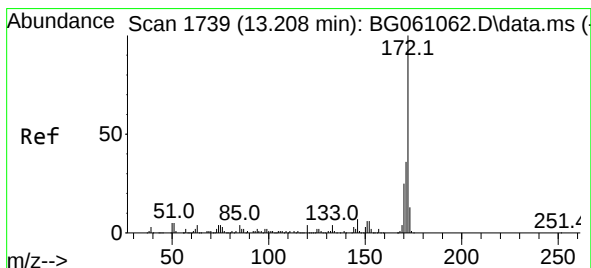
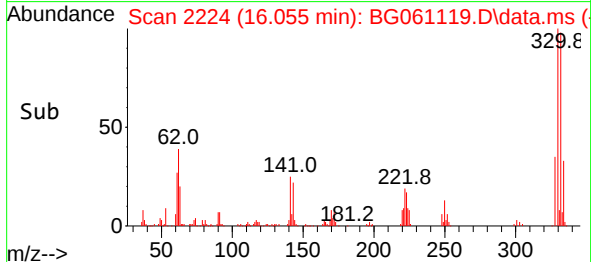
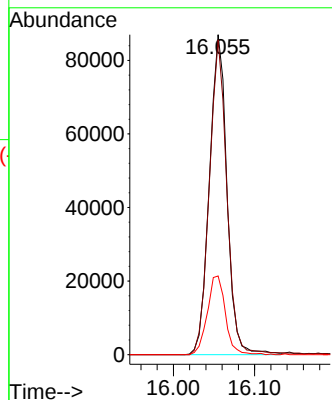
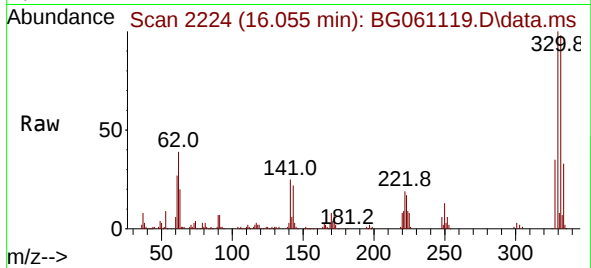




#42
2,4,6-Tribromophenol
Concen: 79.475 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

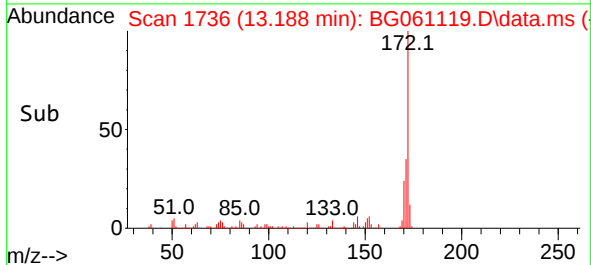
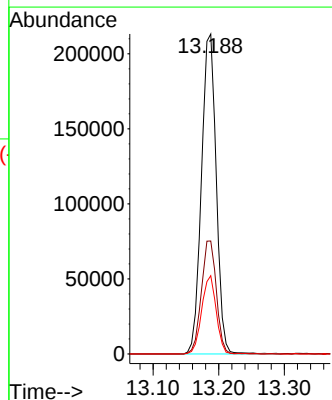
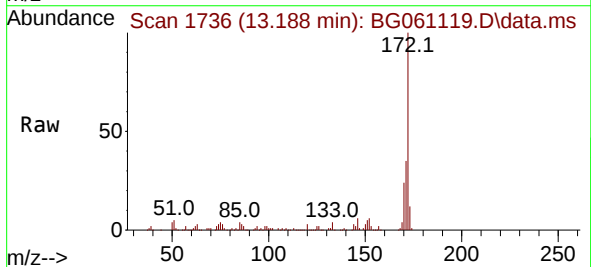
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BNA_G
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WC-A-COMP

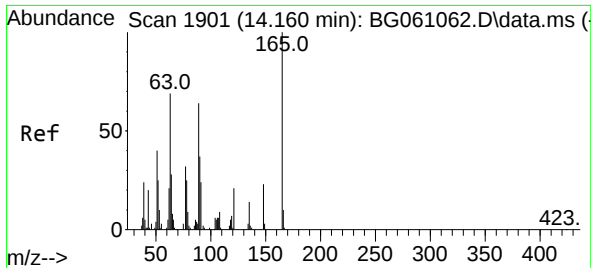
Tgt Ion:330 Resp: 130643
Ion Ratio Lower Upper
330 100
332 98.3 78.6 117.8
141 25.4 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 60.146 ng
RT: 13.188 min Scan# 1736
Delta R.T. -0.020 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

Tgt Ion:172 Resp: 334508
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.6
170 24.5 20.2 30.4

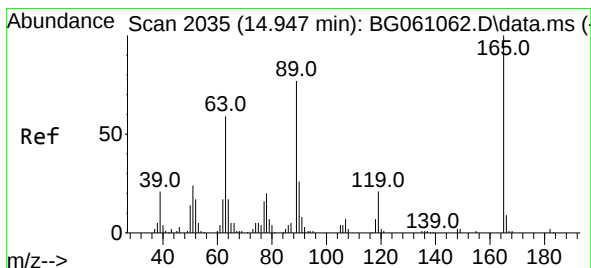
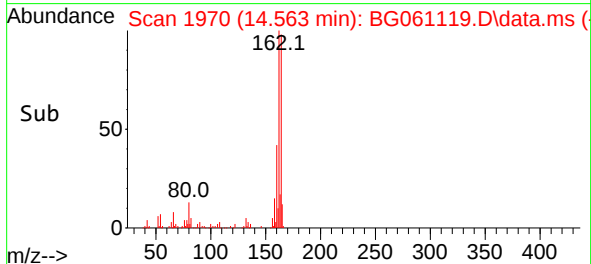
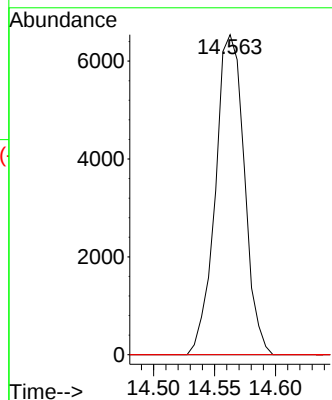
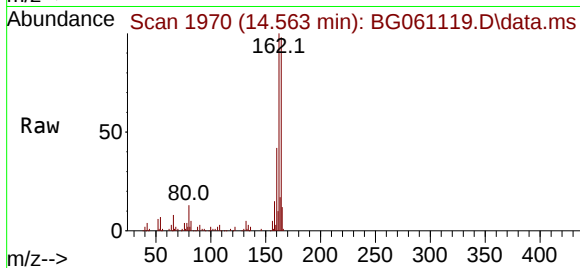




#51
2,6-Dinitrotoluene
Concen: 7.943 ng
RT: 14.563 min Scan# 1901
Delta R.T. 0.403 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

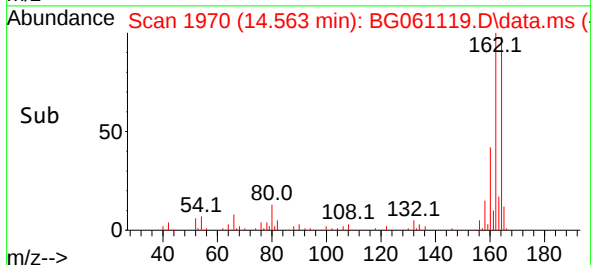
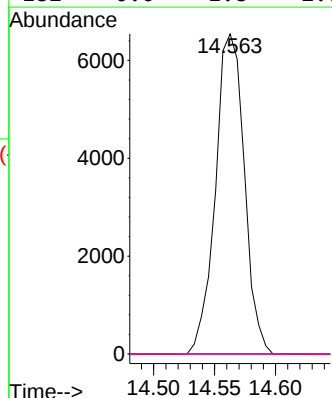
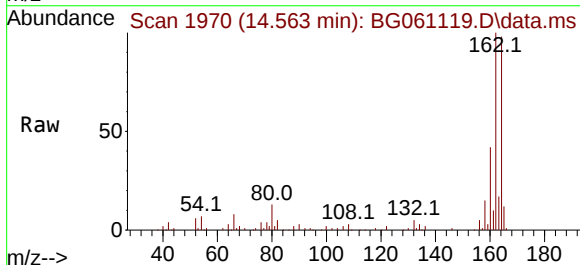
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BNA_G
ClientSampleId :
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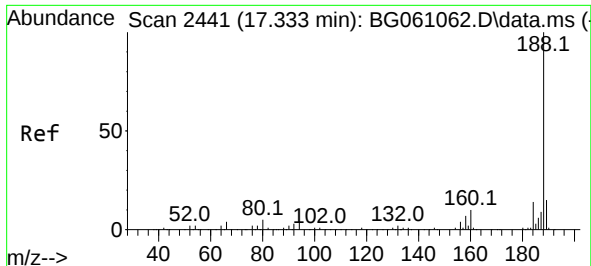
Tgt Ion:165 Resp: 10792
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.369 ng
RT: 14.563 min Scan# 1970
Delta R.T. -0.385 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

Tgt Ion:165 Resp: 10792
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#

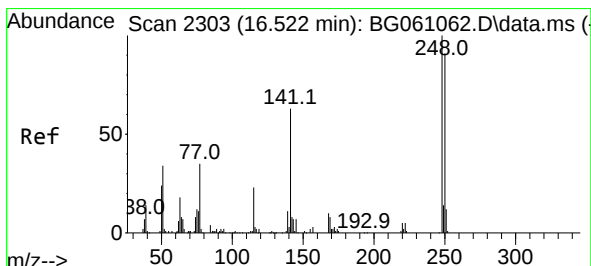
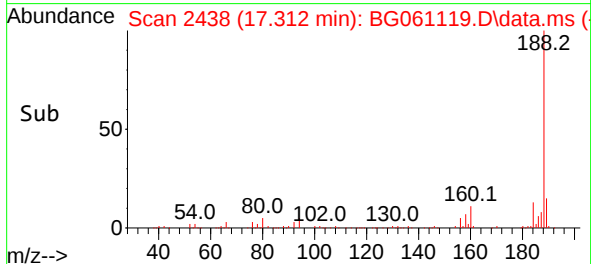
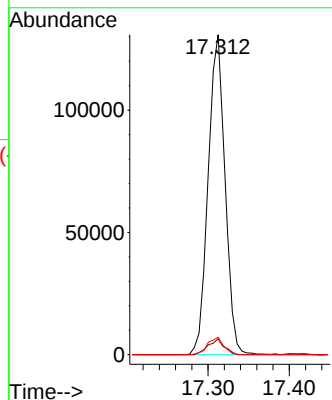
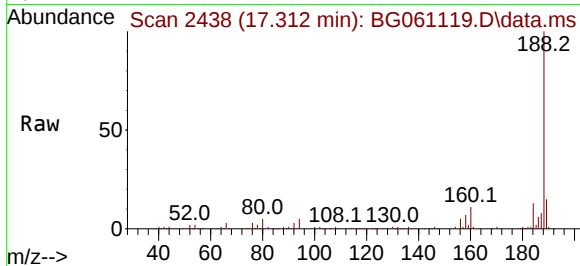




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2441
Delta R.T. -0.020 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

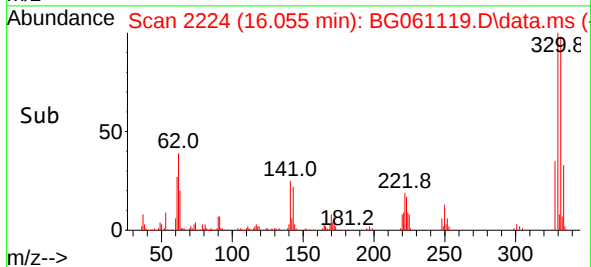
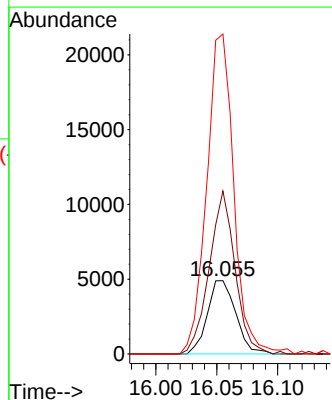
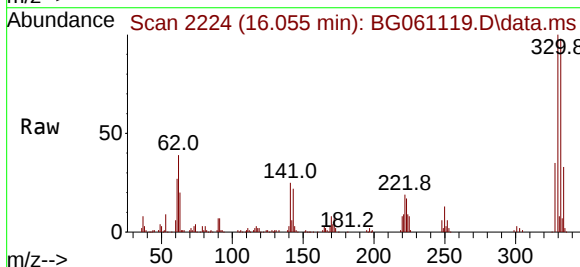
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

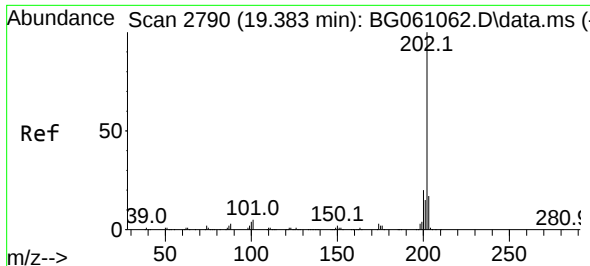
Tgt Ion:188 Resp: 188843
Ion Ratio Lower Upper
188 100
94 5.0 3.6 5.4
80 5.5 4.2 6.2



#67
4-Bromophenyl-phenylether
Concen: 3.569 ng
RT: 16.055 min Scan# 2224
Delta R.T. -0.467 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

Tgt Ion:248 Resp: 7939
Ion Ratio Lower Upper
248 100
250 222.1 73.0 109.4#
141 436.6 50.8 76.2#

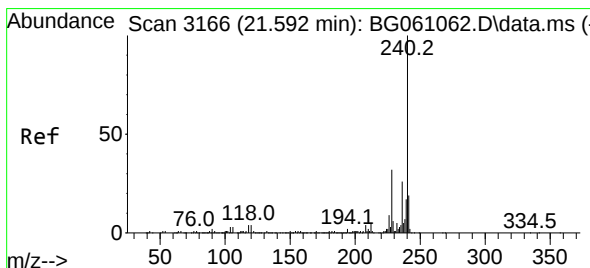
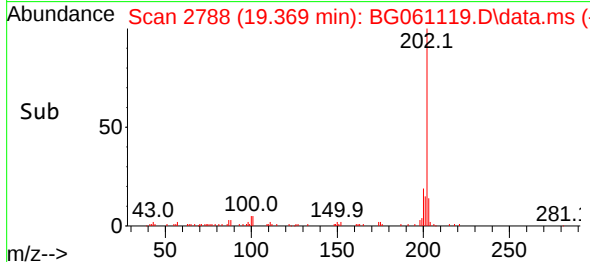
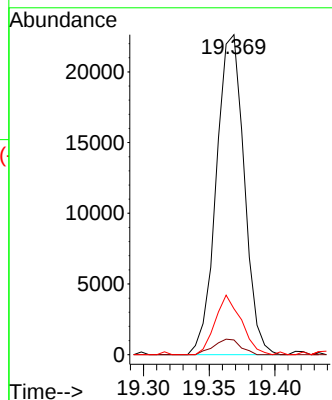
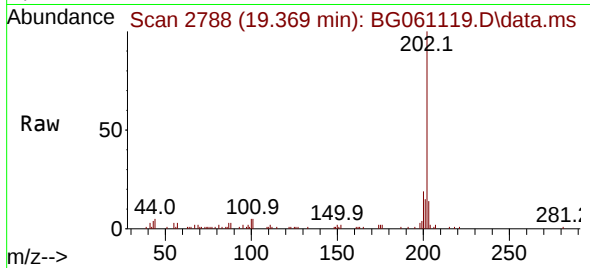




#75
Fluoranthene
Concen: 2.822 ng
RT: 19.369 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

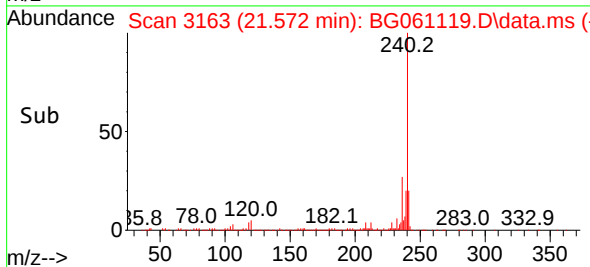
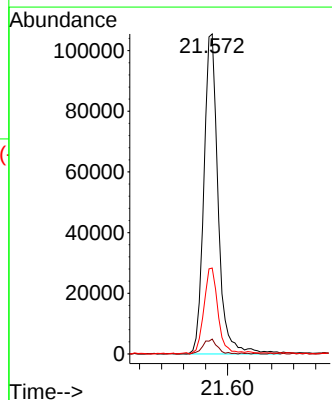
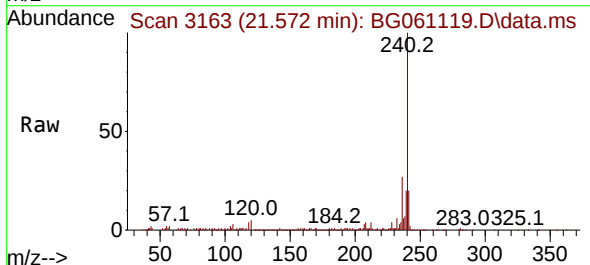
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

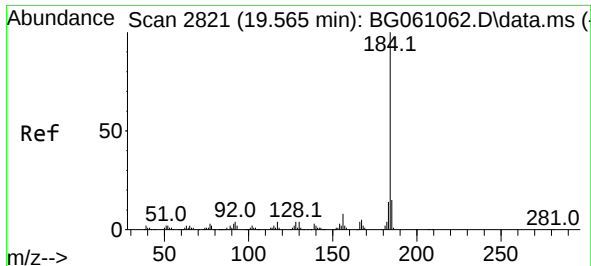
Tgt Ion:202 Resp: 33377
Ion Ratio Lower Upper
202 100
101 4.6 0.0 24.7
203 14.3 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3163
Delta R.T. -0.020 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

Tgt Ion:240 Resp: 189347
Ion Ratio Lower Upper
240 100
120 4.7 3.2 4.8
236 26.8 21.0 31.6

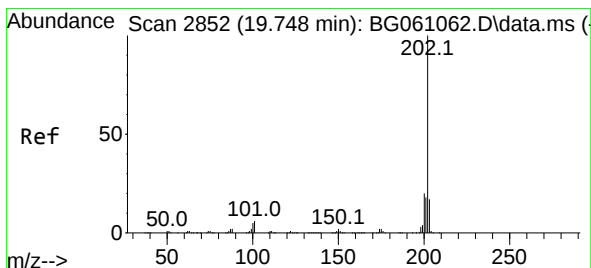
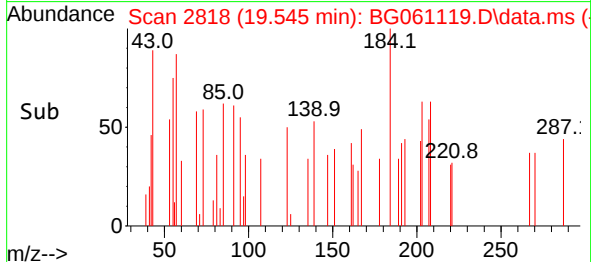
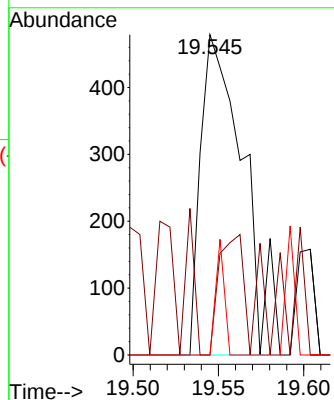
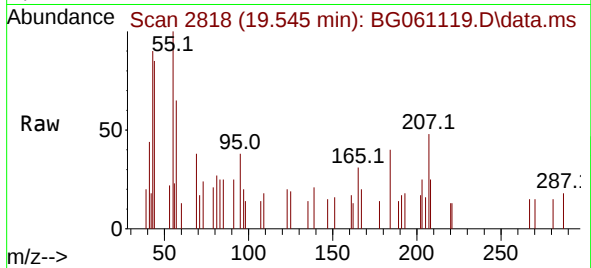




#77
Benzidine
Concen: 3.012 ng
RT: 19.545 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

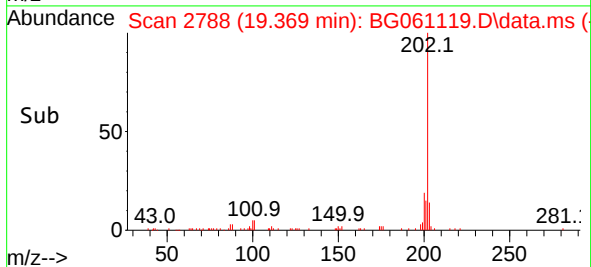
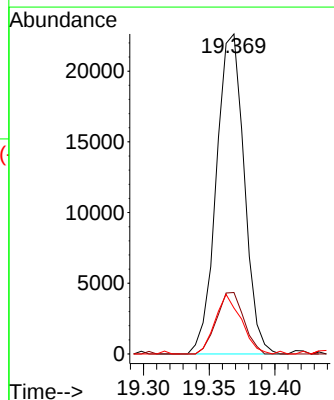
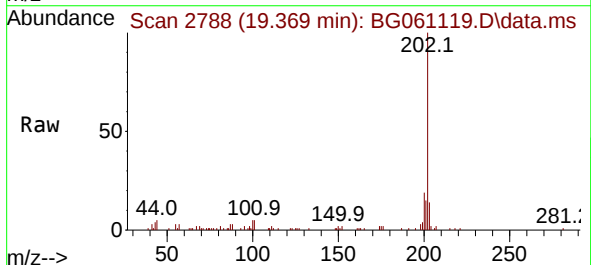
Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

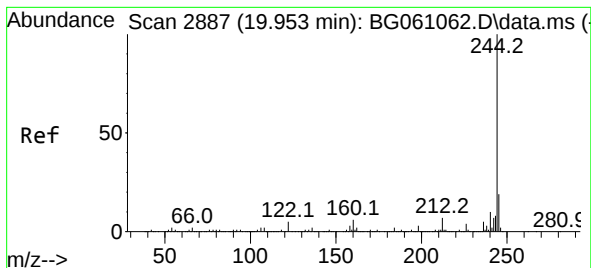
Tgt Ion:184 Resp: 830
Ion Ratio Lower Upper
184 100
185 0.0 12.0 18.0#
183 0.0 10.9 16.3#



#78
Pyrene
Concen: 2.773 ng
RT: 19.369 min Scan# 2788
Delta R.T. -0.379 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

Tgt Ion:202 Resp: 33377
Ion Ratio Lower Upper
202 100
200 19.2 16.2 24.4
203 14.3 13.3 19.9





#79

Terphenyl-d14

Concen: 54.736 ng

RT: 19.933 min Scan# 21

Delta R.T. -0.020 min

Lab File: BG061119.D

Acq: 6 May 2024 14:05

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

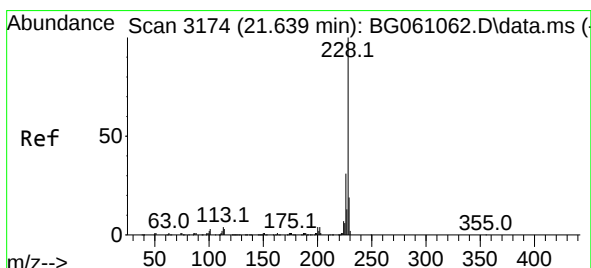
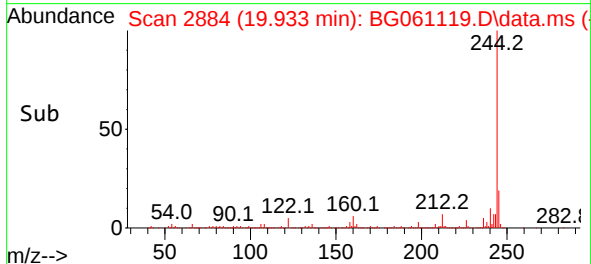
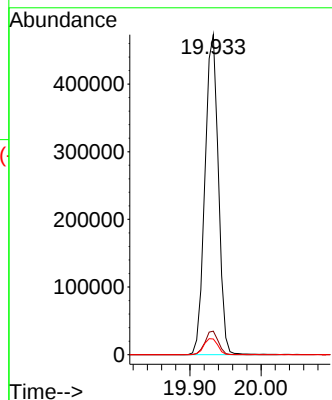
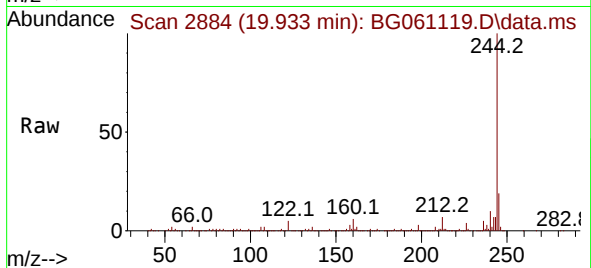
Tgt Ion:244 Resp: 623162

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 4.9 4.2 6.2



#83

Chrysene

Concen: 2.053 ng

RT: 21.549 min Scan# 3159

Delta R.T. -0.091 min

Lab File: BG061119.D

Acq: 6 May 2024 14:05

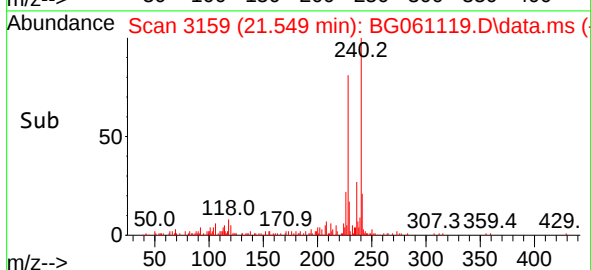
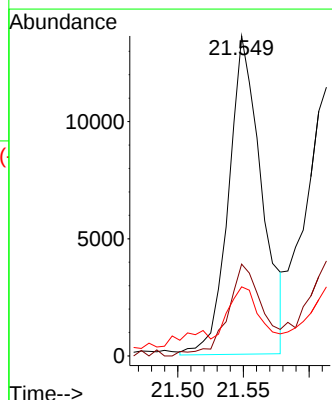
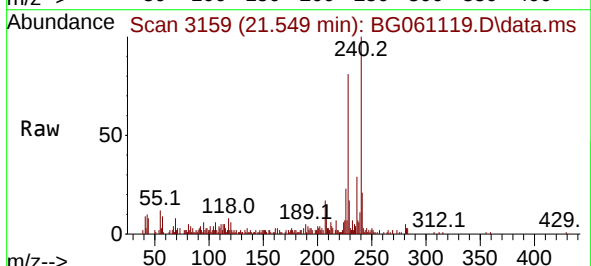
Tgt Ion:228 Resp: 23838

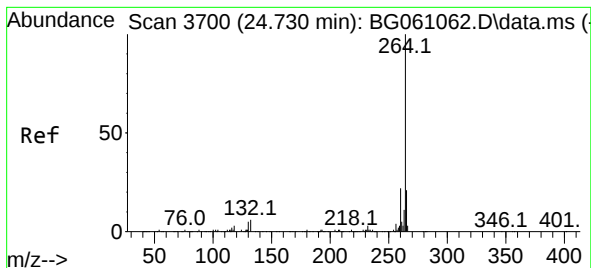
Ion Ratio Lower Upper

228 100

226 28.7 24.4 36.6

229 21.6 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 3

Delta R.T. -0.038 min

Lab File: BG061119.D

Acq: 6 May 2024 14:05

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

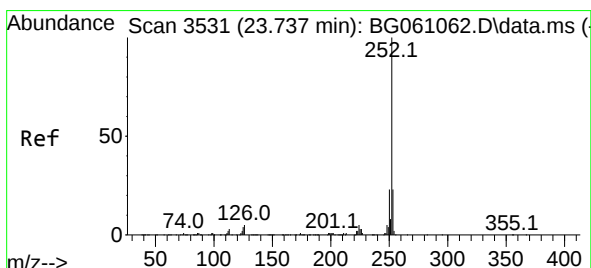
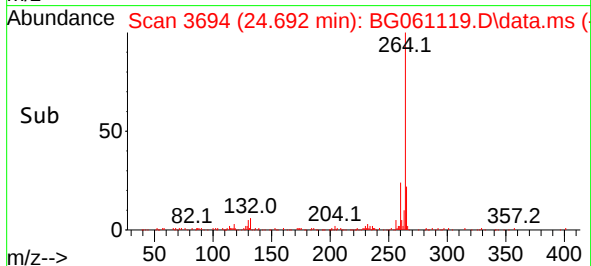
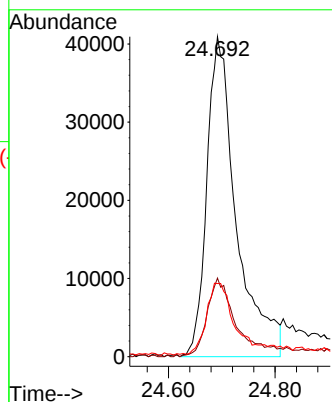
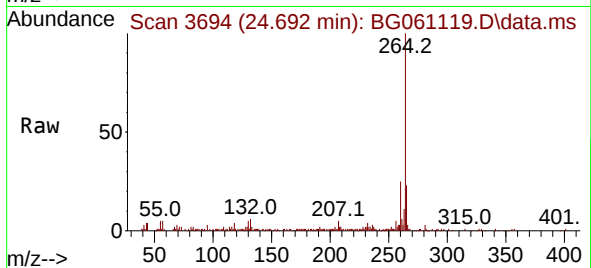
Tgt Ion:264 Resp: 157444

Ion Ratio Lower Upper

264 100

260 24.6 17.7 26.5

265 22.9 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 2.741 ng

RT: 23.717 min Scan# 3528

Delta R.T. -0.020 min

Lab File: BG061119.D

Acq: 6 May 2024 14:05

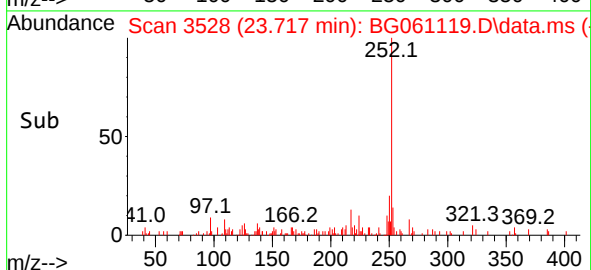
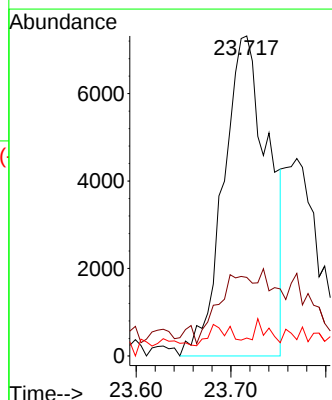
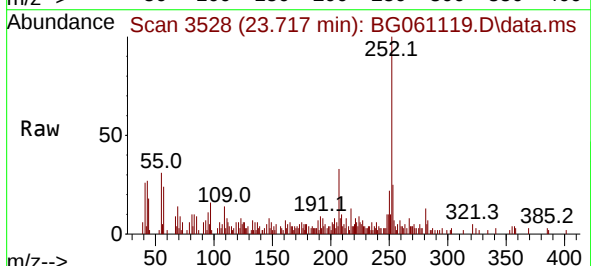
Tgt Ion:252 Resp: 24111

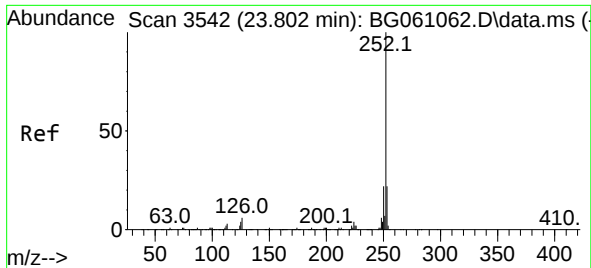
Ion Ratio Lower Upper

252 100

253 24.6 18.2 27.2

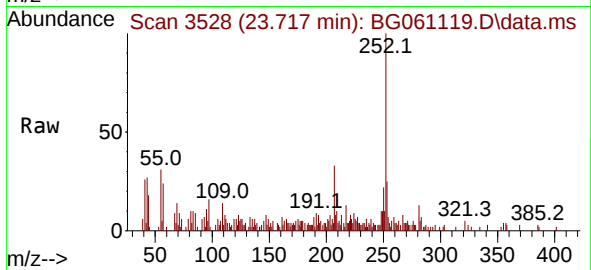
125 5.6 3.4 5.0#





#89
Benzo(k)fluoranthene
Concen: 2.849 ng
RT: 23.717 min Scan# 3528
Delta R.T. -0.085 min
Lab File: BG061119.D
Acq: 6 May 2024 14:05

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP



Tgt Ion:252 Resp: 24111
Ion Ratio Lower Upper
252 100
253 24.6 17.3 25.9
125 5.6 3.2 4.8#

