

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051624\
 Data File : BG061230.D
 Acq On : 16 May 2024 21:26
 Operator : MA/JU
 Sample : P2488-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-G-COMP

Quant Time: May 17 01:21:17 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)

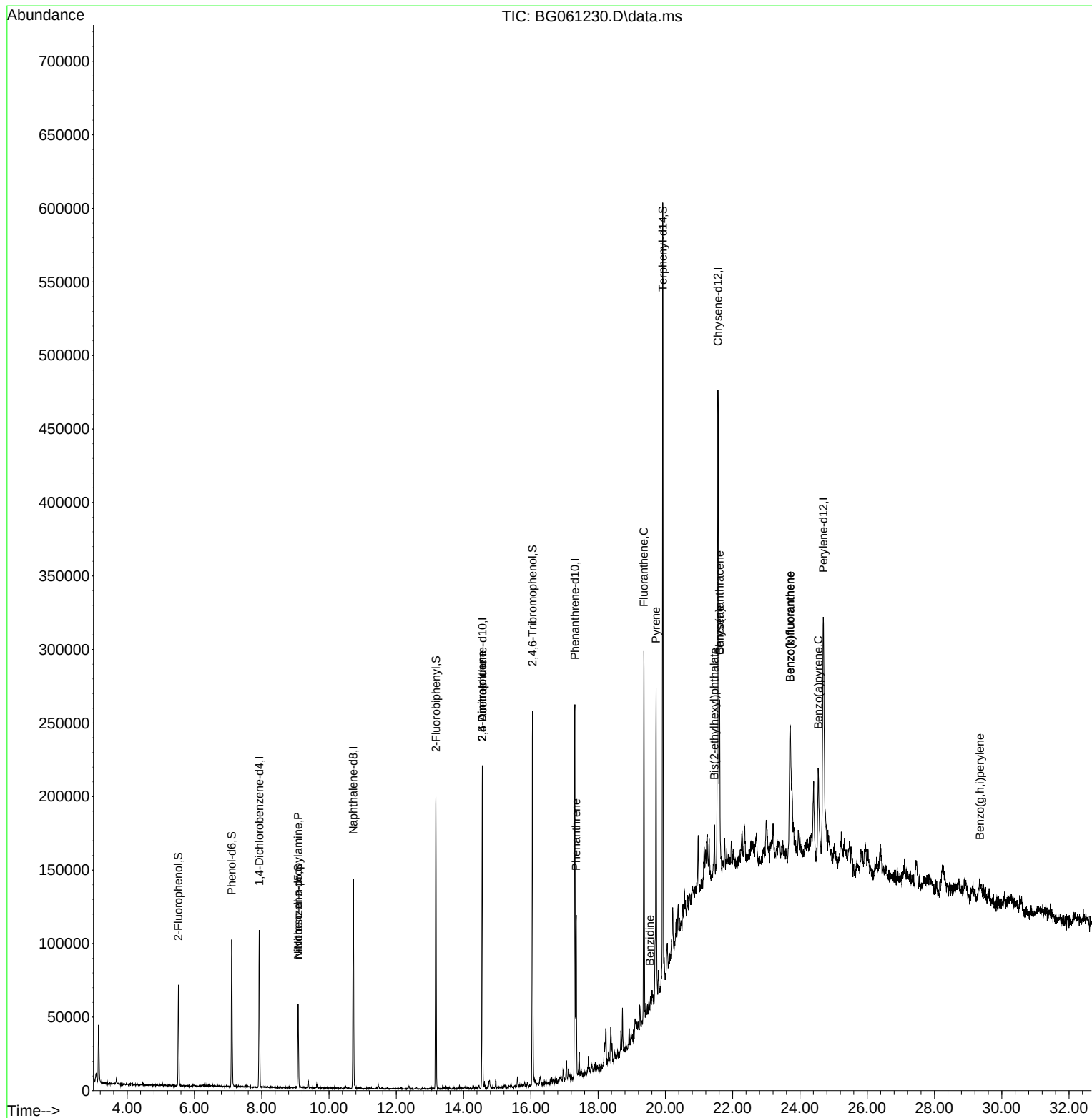
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.926	152	27290	20.000	ng	-0.03
21) Naphthalene-d8	10.723	136	106831	20.000	ng	#-0.03
39) Acenaphthene-d10	14.560	164	79974	20.000	ng	-0.03
64) Phenanthrene-d10	17.310	188	169143	20.000	ng	-0.02
76) Chrysene-d12	21.563	240	171775	20.000	ng	-0.03
86) Perylene-d12	24.695	264	209474	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	25924	19.319	ng	-0.02
7) Phenol-d6	7.110	99	45903	23.124	ng	-0.02
23) Nitrobenzene-d5	9.084	82	28288	13.126	ng	-0.03
42) 2,4,6-Tribromophenol	16.052	330	56768	35.512	ng	-0.02
45) 2-Fluorobiphenyl	13.179	172	104437	19.310	ng	-0.03
79) Terphenyl-d14	19.924	244	268437	25.990	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.084	70	4055	2.730	ng	# 67
51) 2,6-Dinitrotoluene	14.554	165	10325	7.814	ng	# 15
57) 2,4-Dinitrotoluene	14.554	165	10325	5.282	ng	# 17
71) Phenanthrene	17.351	178	69270	8.957	ng	99
75) Fluoranthene	19.360	202	169809	16.027	ng	97
77) Benzidine	19.542	184	200	2.853	ng	# 1
78) Pyrene	19.724	202	143817	13.169	ng	98
81) Benzo(a)anthracene	21.610	228	85466	7.603	ng	95
83) Chrysene	21.610	228	85466	8.115	ng	95
84) Bis(2-ethylhexyl)phtha...	21.458	149	12461	2.760	ng	# 90
88) Benzo(b)fluoranthene	23.714	252	116997	9.995	ng	# 96
89) Benzo(k)fluoranthene	23.714	252	116997	10.389	ng	# 93
90) Benzo(a)pyrene	24.548	252	72857	7.144	ng	# 99
92) Benzo(g,h,i)perylene	29.348	276	36069	3.157	ng	# 83

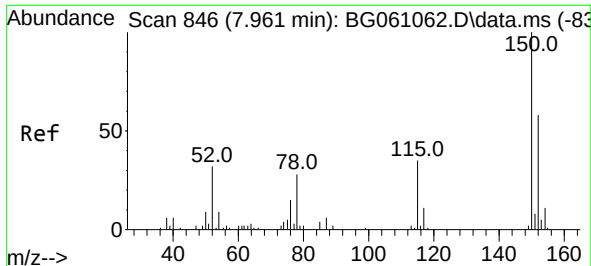
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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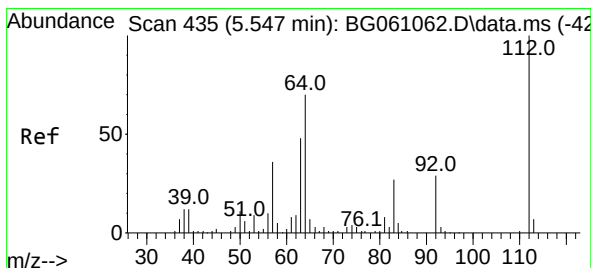
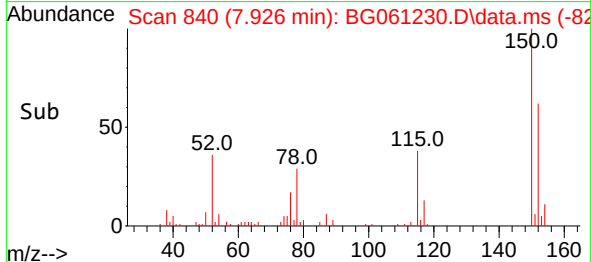
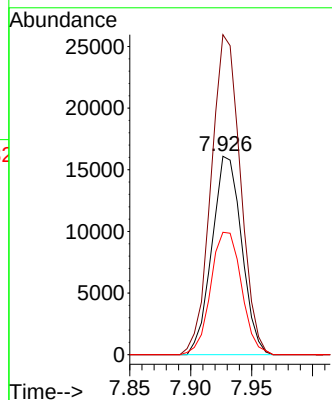
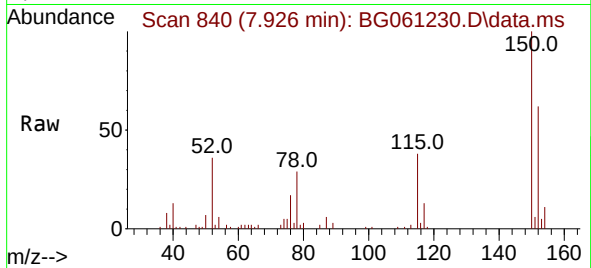




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.926 min Scan# 846
Delta R.T. -0.035 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

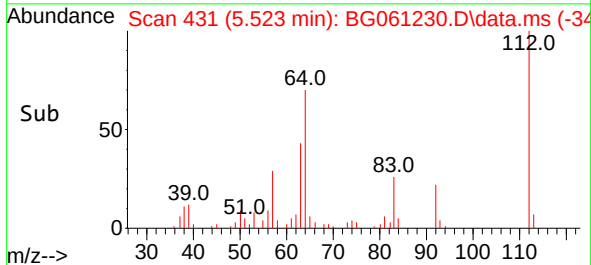
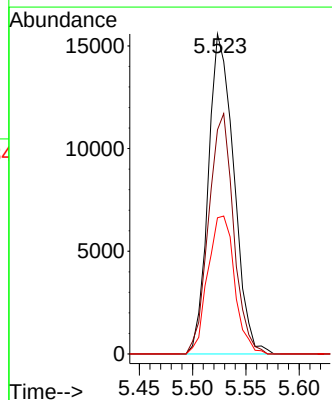
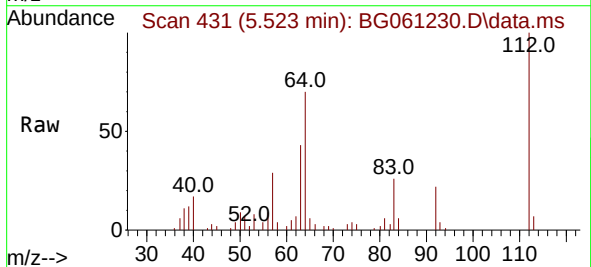
Instrument :
BNA_G
ClientSampleId :
SP-G-COMP

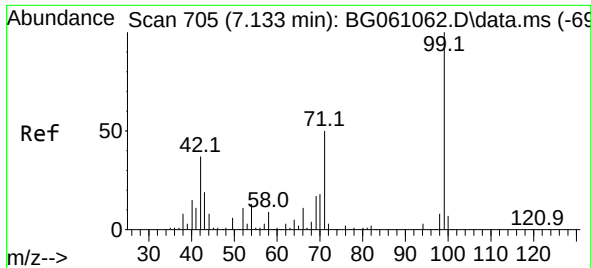
Tgt Ion:152 Resp: 27290
Ion Ratio Lower Upper
152 100
150 161.3 138.3 207.5
115 61.7 48.0 72.0



#5
2-Fluorophenol
Concen: 19.319 ng
RT: 5.523 min Scan# 431
Delta R.T. -0.023 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

Tgt Ion:112 Resp: 25924
Ion Ratio Lower Upper
112 100
64 70.1 55.7 83.5
63 42.6 38.1 57.1

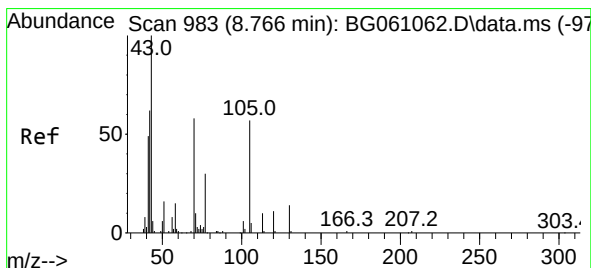
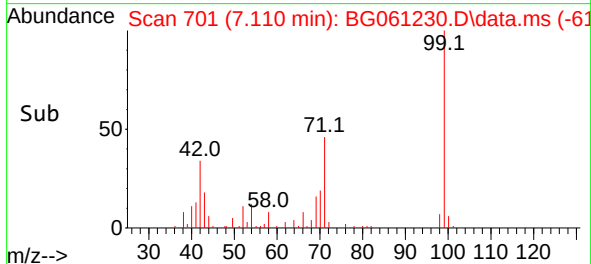
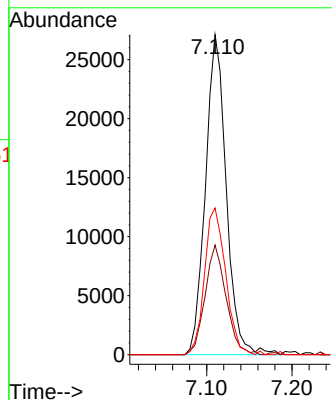
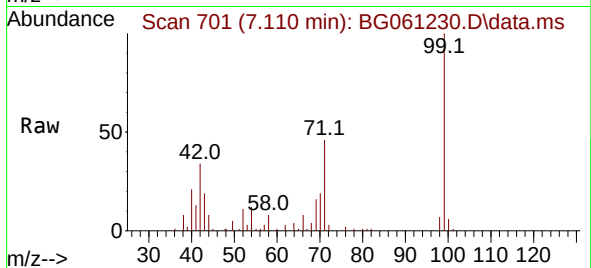




#7
Phenol-d6
Concen: 23.124 ng
RT: 7.110 min Scan# 705
Delta R.T. -0.023 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

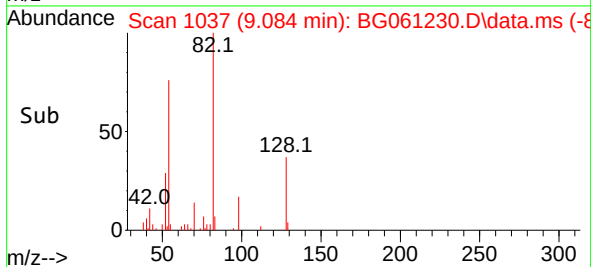
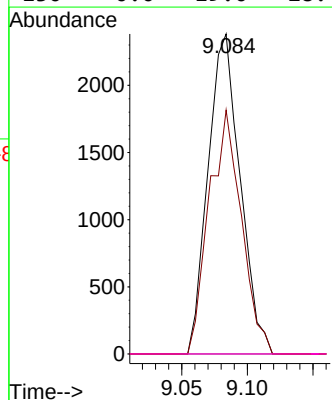
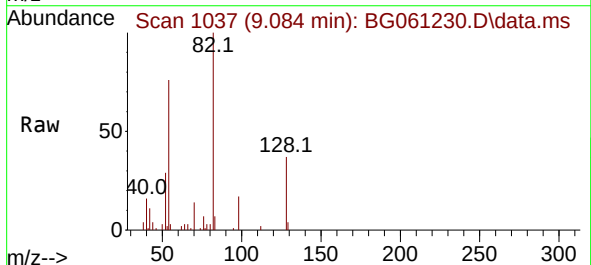
Instrument :
BNA_G
ClientSampleId :
SP-G-COMP

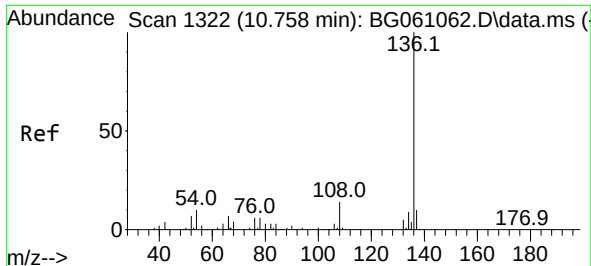
Tgt Ion: 99 Resp: 45903
Ion Ratio Lower Upper
99 100
42 34.2 29.2 43.8
71 45.8 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.730 ng
RT: 9.084 min Scan# 1037
Delta R.T. 0.318 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

Tgt Ion: 70 Resp: 4055
Ion Ratio Lower Upper
70 100
42 76.2 86.4 129.6#
101 0.0 7.8 11.8#
130 0.0 19.0 28.4#

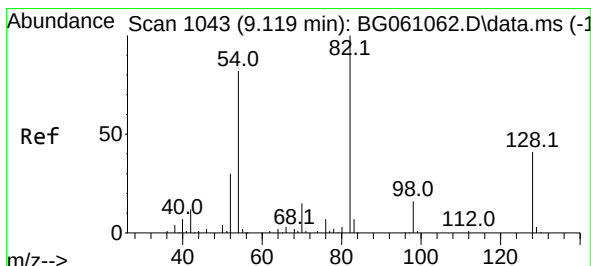
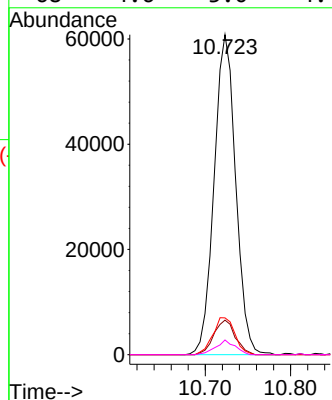
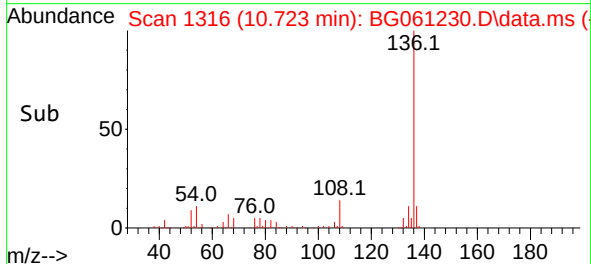
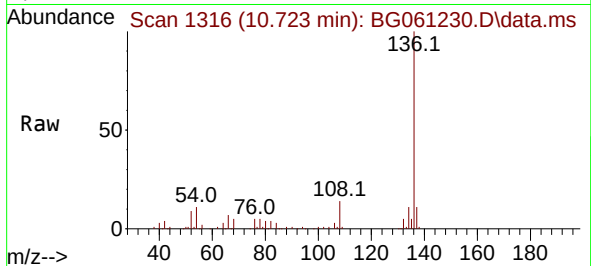




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 11
Delta R.T. -0.035 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

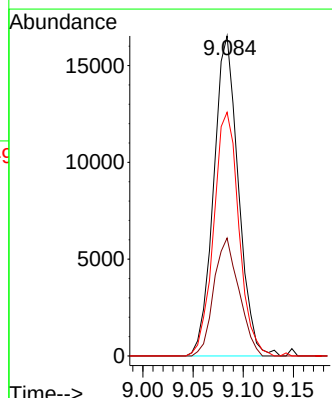
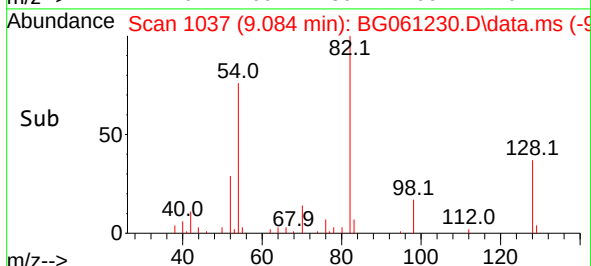
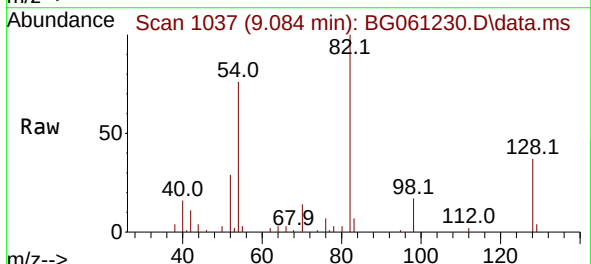
Instrument :
BNA_G
ClientSampleId :
SP-G-COMP

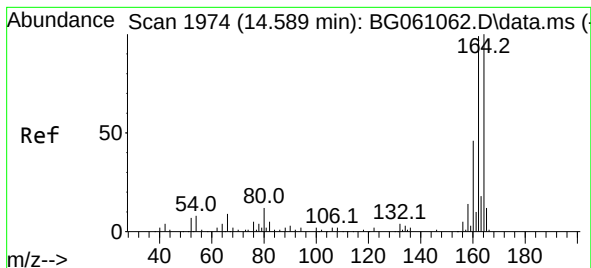
Tgt Ion:136 Resp: 106831
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 11.5 8.1 12.1
68 4.6 3.0 4.4#



#23
Nitrobenzene-d5
Concen: 13.126 ng
RT: 9.084 min Scan# 1037
Delta R.T. -0.035 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

Tgt Ion: 82 Resp: 28288
Ion Ratio Lower Upper
82 100
128 36.8 32.7 49.1
54 76.2 65.6 98.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.560 min Scan# 1969

Delta R.T. -0.029 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

Instrument :

BNA_G

ClientSampleId :

SP-G-COMP

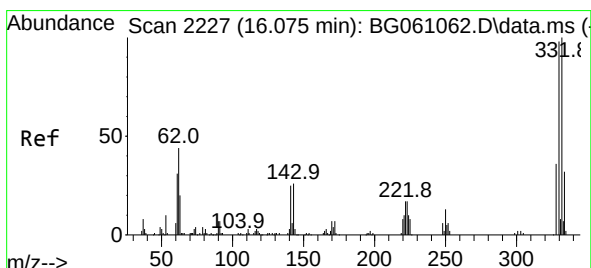
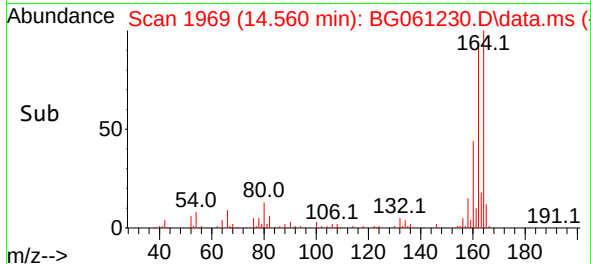
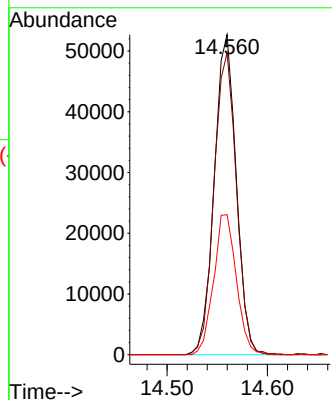
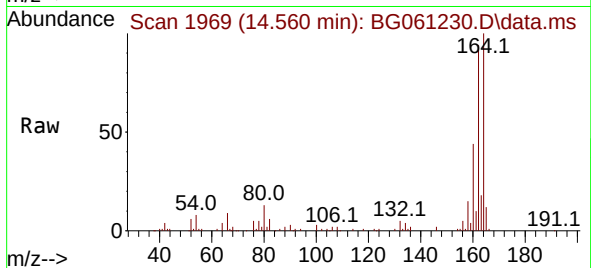
Tgt Ion:164 Resp: 79974

Ion Ratio Lower Upper

164 100

162 94.4 79.4 119.2

160 43.7 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 35.512 ng

RT: 16.052 min Scan# 2223

Delta R.T. -0.023 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

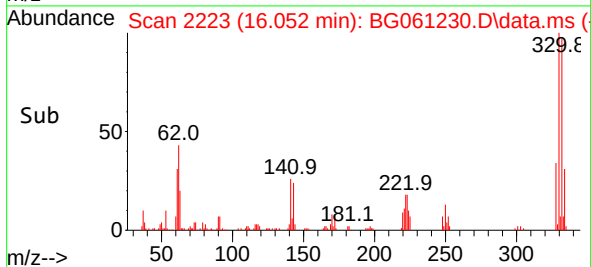
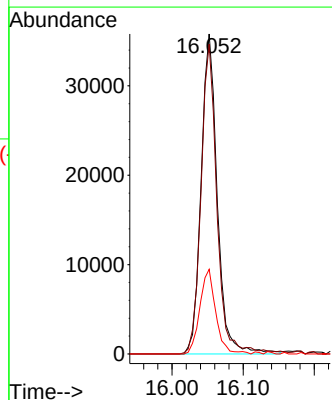
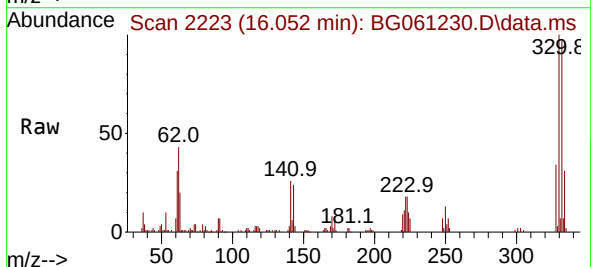
Tgt Ion:330 Resp: 56768

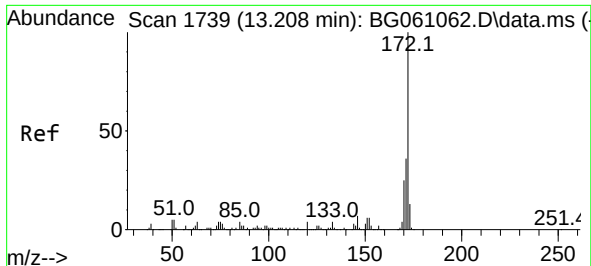
Ion Ratio Lower Upper

330 100

332 95.7 78.6 117.8

141 26.0 20.5 30.7

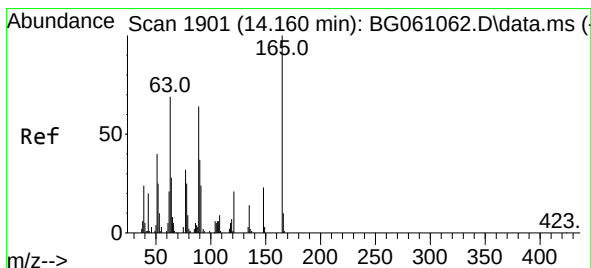
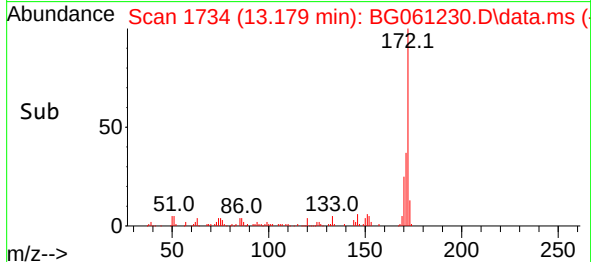
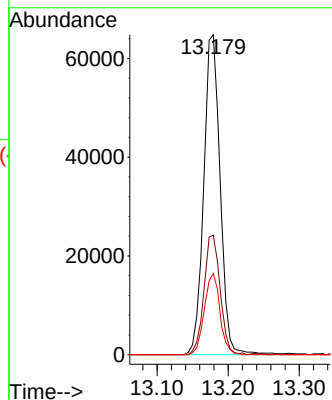
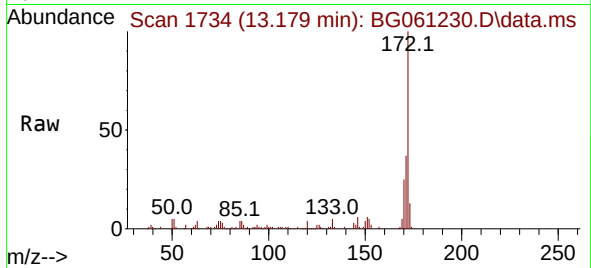




#45
2-Fluorobiphenyl
Concen: 19.310 ng
RT: 13.179 min Scan# 1739
Delta R.T. -0.029 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

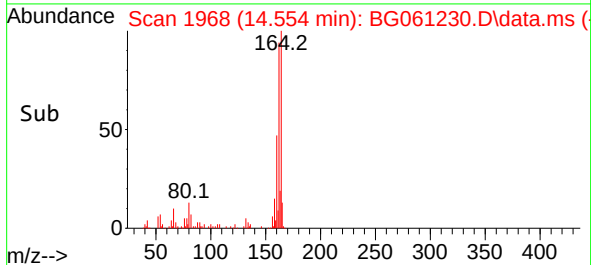
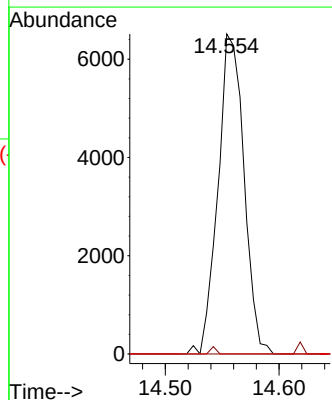
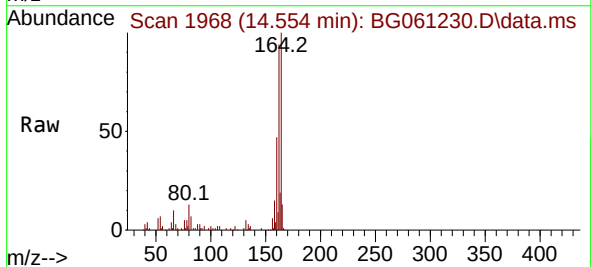
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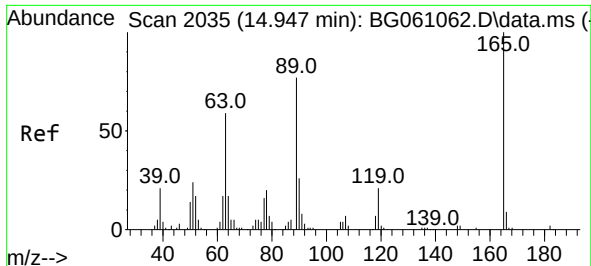
Tgt Ion:172 Resp: 104437
Ion Ratio Lower Upper
172 100
171 37.4 29.0 43.6
170 25.4 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.814 ng
RT: 14.554 min Scan# 1968
Delta R.T. 0.394 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

Tgt Ion:165 Resp: 10325
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#

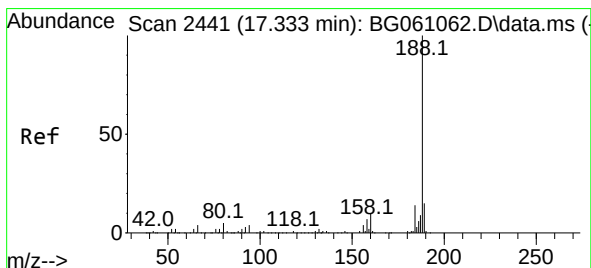
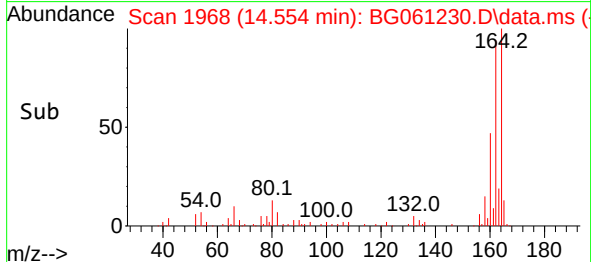
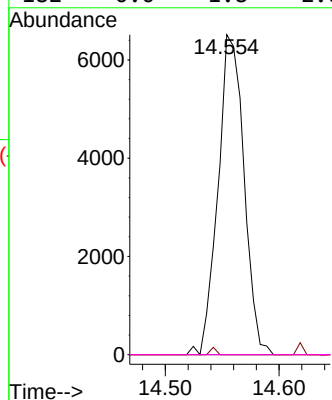
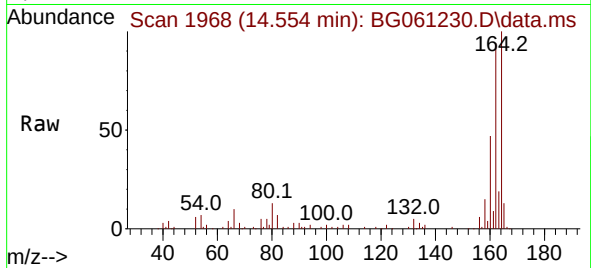




#57
2,4-Dinitrotoluene
Concen: 5.282 ng
RT: 14.554 min Scan# 1968
Delta R.T. -0.393 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

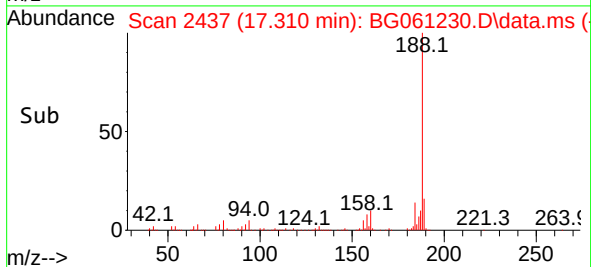
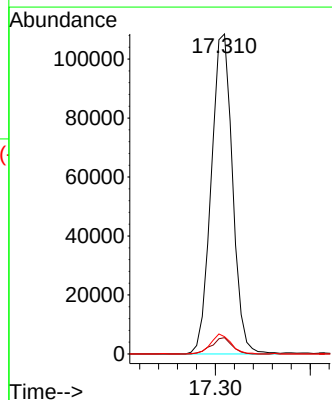
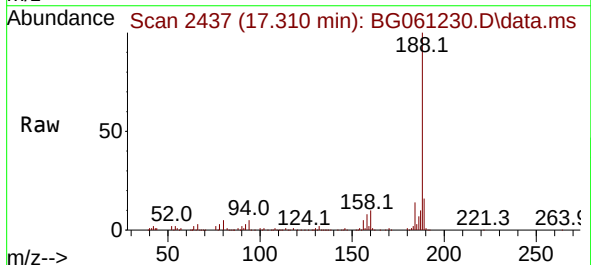
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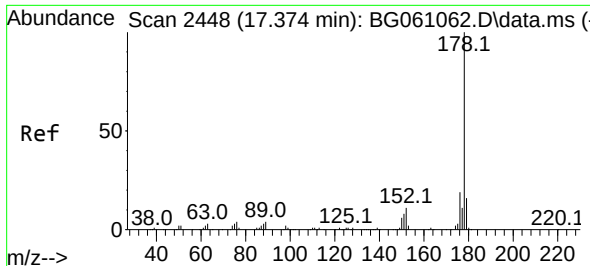
Tgt Ion:165 Resp: 10325
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 2437
Delta R.T. -0.023 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

Tgt Ion:188 Resp: 169143
Ion Ratio Lower Upper
188 100
94 5.1 3.6 5.4
80 5.4 4.2 6.2

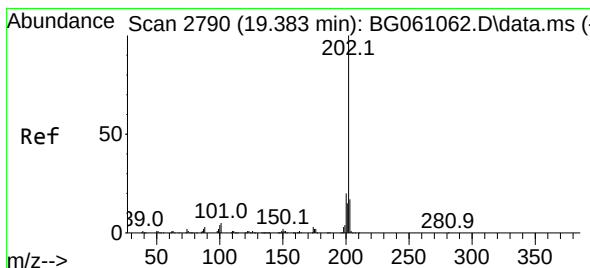
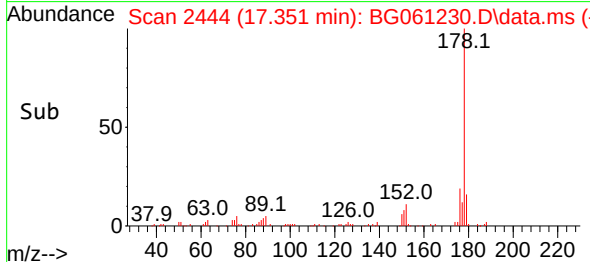
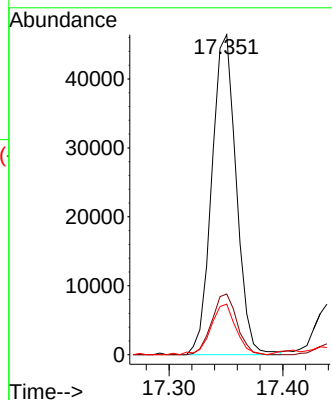
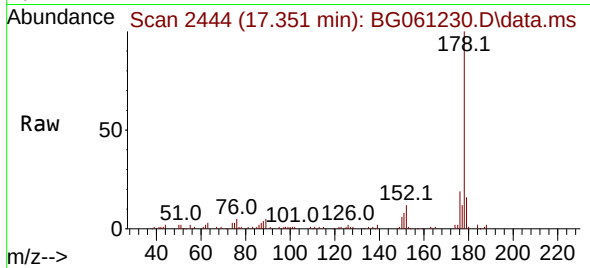




#71
Phenanthrene
Concen: 8.957 ng
RT: 17.351 min Scan# 2444
Delta R.T. -0.023 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

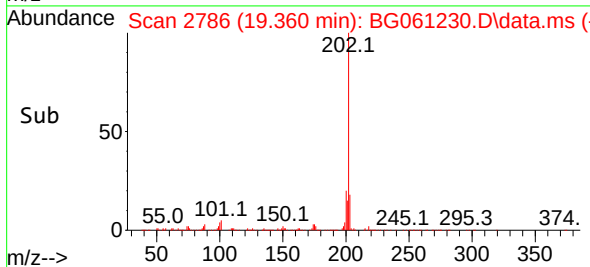
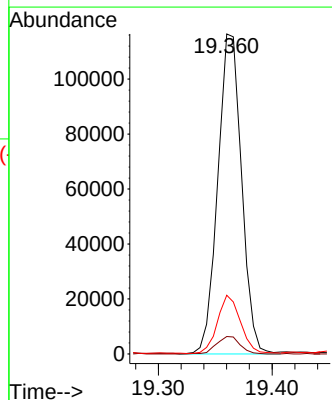
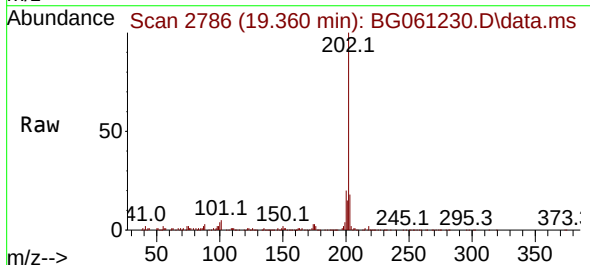
Instrument :
BNA_G
ClientSampleId :
SP-G-COMP

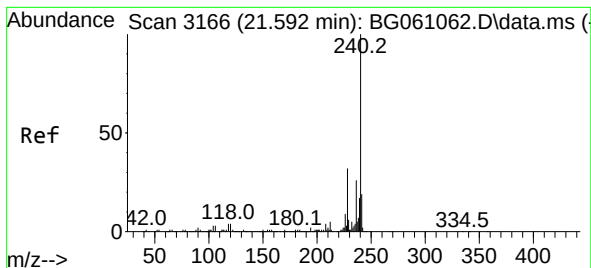
Tgt Ion:178 Resp: 69270
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.8 12.6 19.0



#75
Fluoranthene
Concen: 16.027 ng
RT: 19.360 min Scan# 2786
Delta R.T. -0.023 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

Tgt Ion:202 Resp: 169809
Ion Ratio Lower Upper
202 100
101 5.5 0.0 24.7
203 18.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.563 min Scan# 3161

Delta R.T. -0.029 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

Instrument :

BNA_G

ClientSampleId :

SP-G-COMP

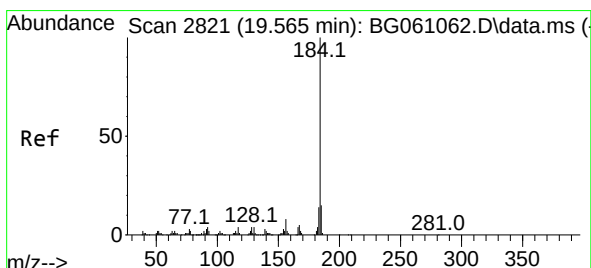
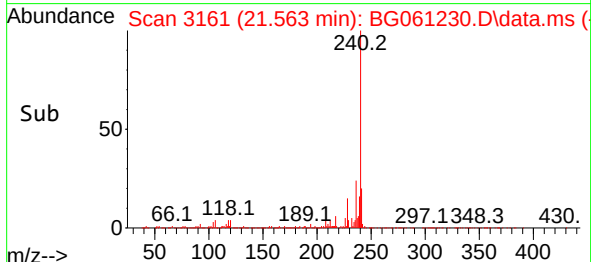
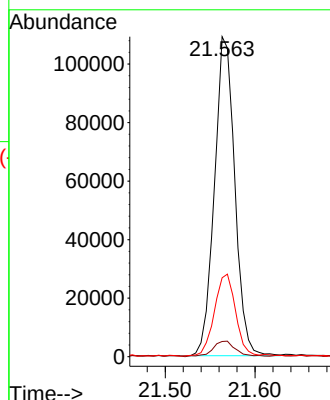
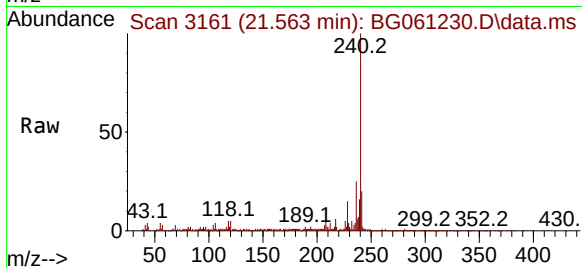
Tgt Ion:240 Resp: 171775

Ion Ratio Lower Upper

240 100

120 4.7 3.2 4.8

236 24.7 21.0 31.6



#77

Benzidine

Concen: 2.853 ng

RT: 19.542 min Scan# 2817

Delta R.T. -0.023 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

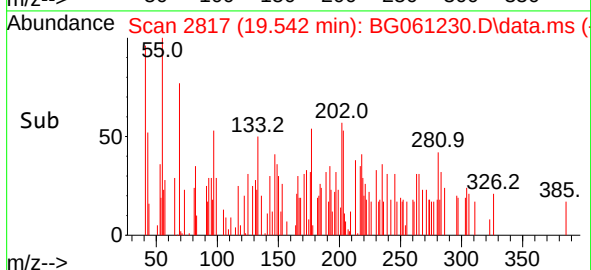
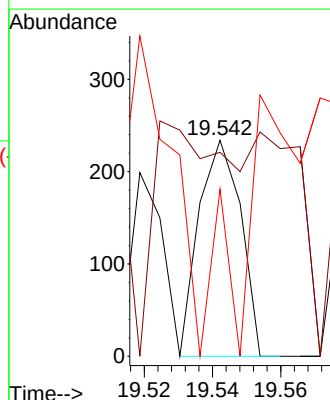
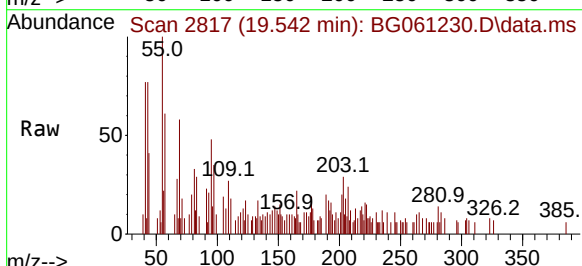
Tgt Ion:184 Resp: 200

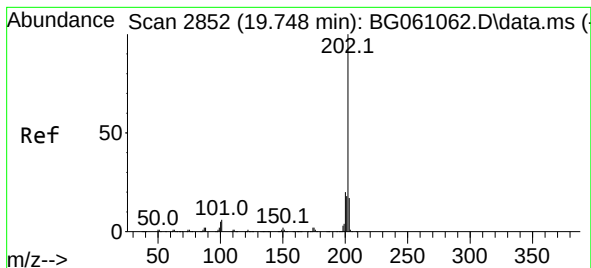
Ion Ratio Lower Upper

184 100

185 94.4 12.0 18.0#

183 77.4 10.9 16.3#





#78

Pyrene

Concen: 13.169 ng

RT: 19.724 min Scan# 2848

Delta R.T. -0.023 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

Instrument :

BNA_G

ClientSampleId :

SP-G-COMP

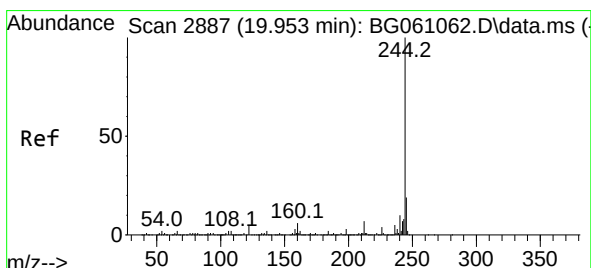
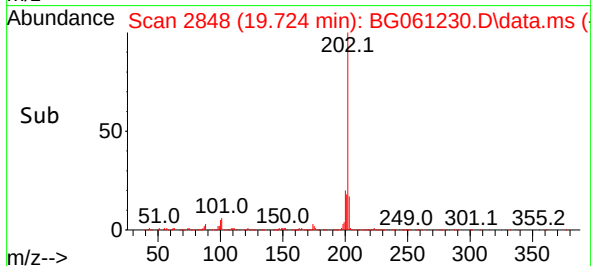
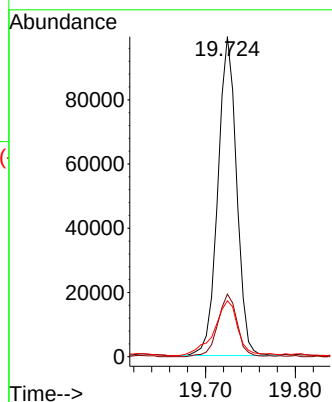
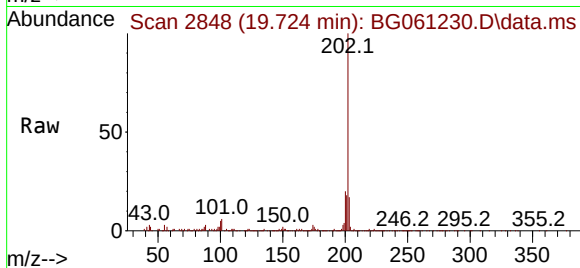
Tgt Ion:202 Resp: 143817

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.4

203 17.5 13.3 19.9



#79

Terphenyl-d14

Concen: 25.990 ng

RT: 19.924 min Scan# 2882

Delta R.T. -0.029 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

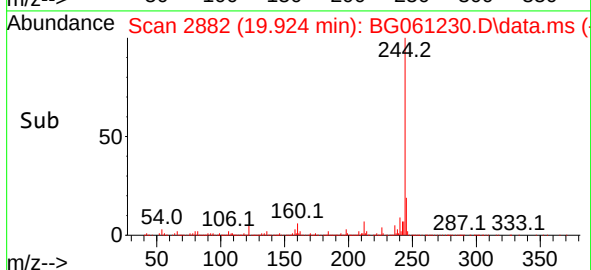
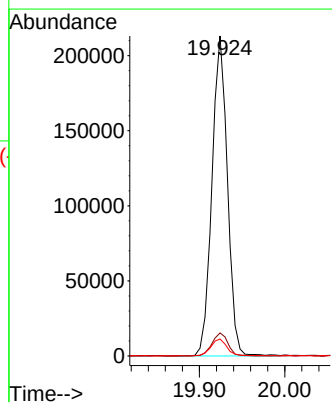
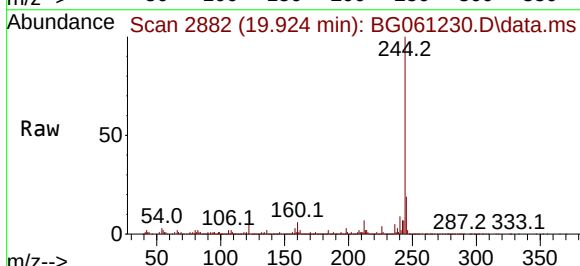
Tgt Ion:244 Resp: 268437

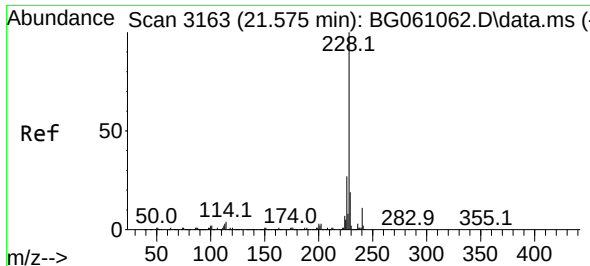
Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

122 5.3 4.2 6.2

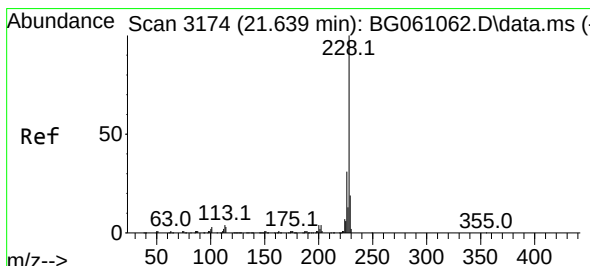
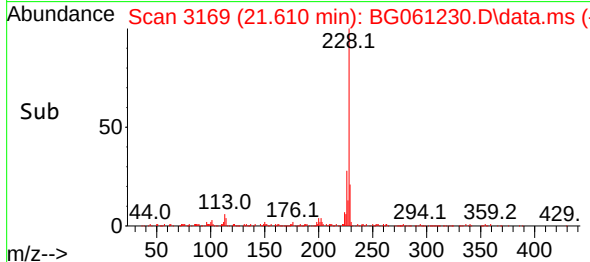
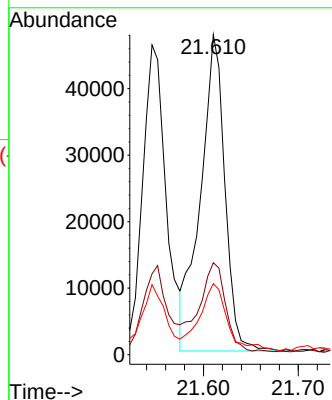
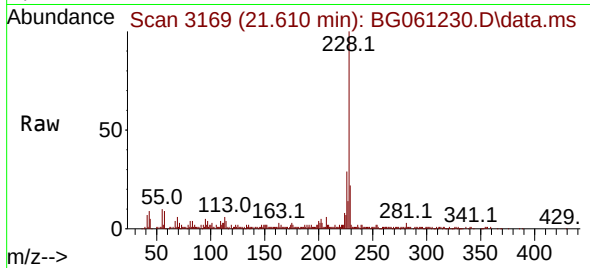




#81
Benzo(a)anthracene
Concen: 7.603 ng
RT: 21.610 min Scan# 3169
Delta R.T. 0.036 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

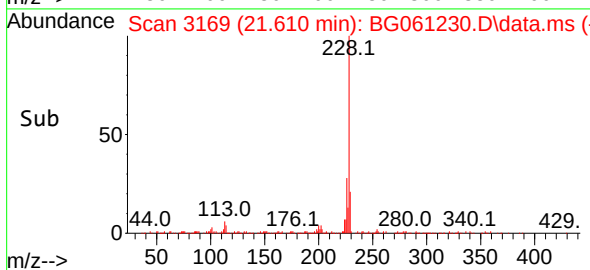
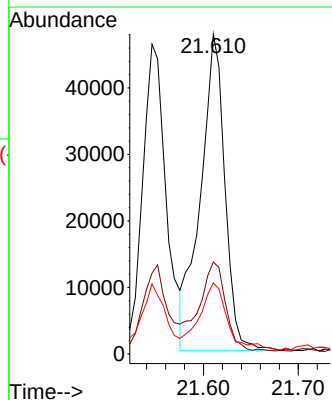
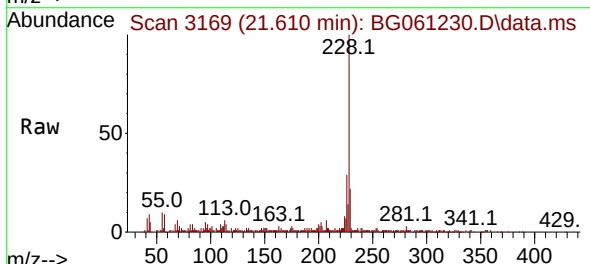
Instrument :
BNA_G
ClientSampleId :
SP-G-COMP

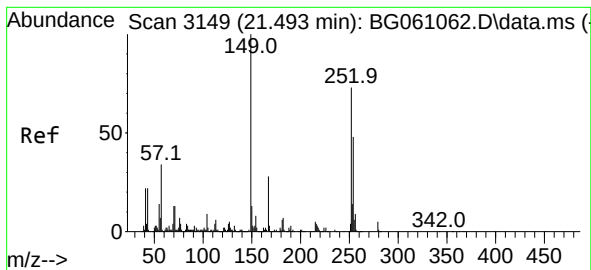
Tgt Ion:228 Resp: 85466
Ion Ratio Lower Upper
228 100
226 28.8 21.6 32.4
229 22.2 15.0 22.4



#83
Chrysene
Concen: 8.115 ng
RT: 21.610 min Scan# 3169
Delta R.T. -0.029 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

Tgt Ion:228 Resp: 85466
Ion Ratio Lower Upper
228 100
226 28.8 24.4 36.6
229 22.2 14.8 22.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.760 ng

RT: 21.458 min Scan# 3149

Delta R.T. -0.035 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

Instrument :

BNA_G

ClientSampleId :

SP-G-COMP

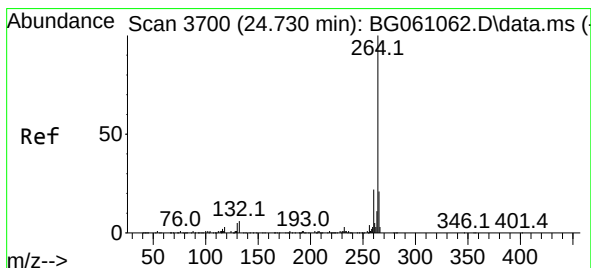
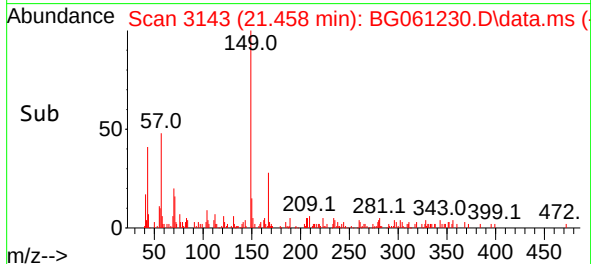
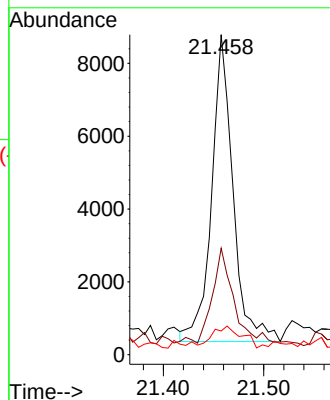
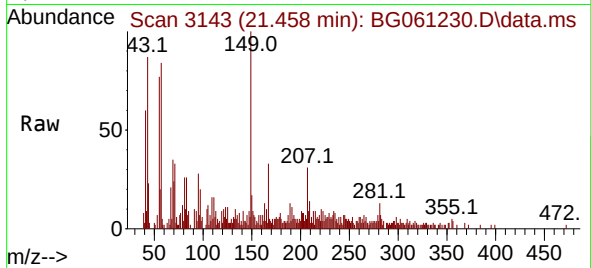
Tgt Ion:149 Resp: 12461

Ion Ratio Lower Upper

149 100

167 33.2 22.1 33.1#

279 7.4 4.1 6.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.695 min Scan# 3694

Delta R.T. -0.035 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

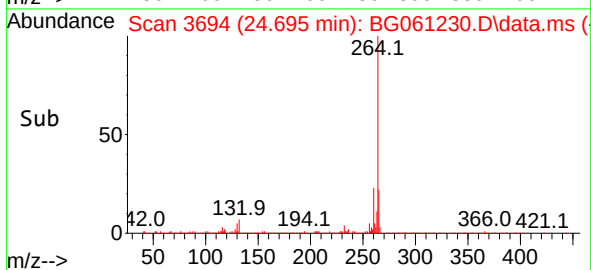
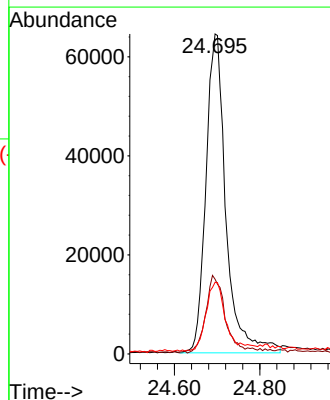
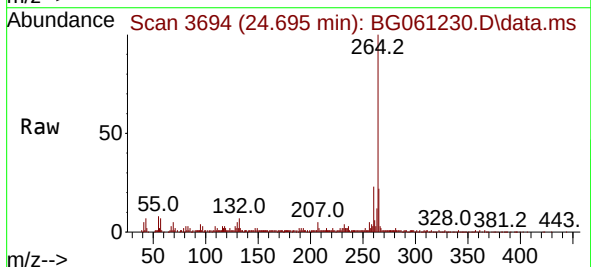
Tgt Ion:264 Resp: 209474

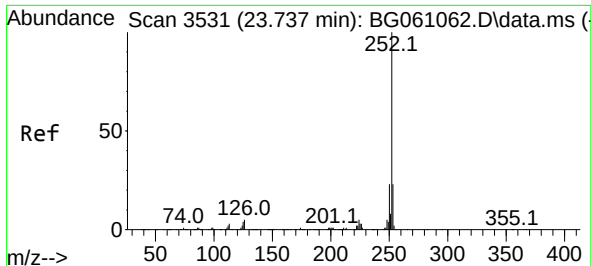
Ion Ratio Lower Upper

264 100

260 23.3 17.7 26.5

265 22.4 16.4 24.6

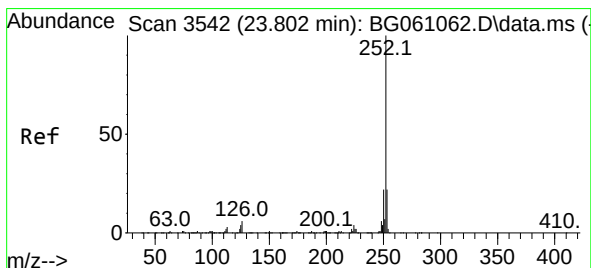
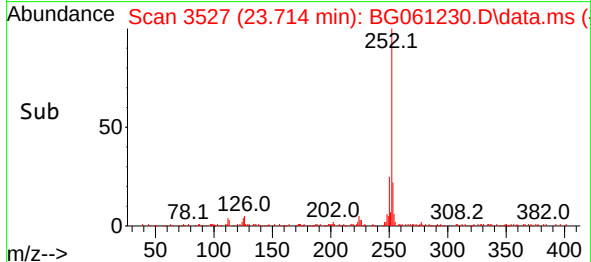
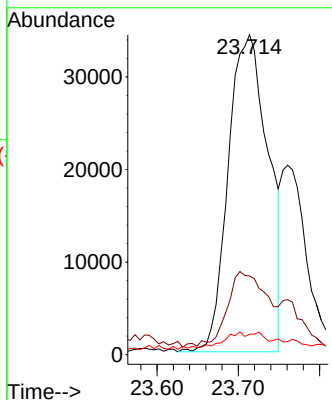
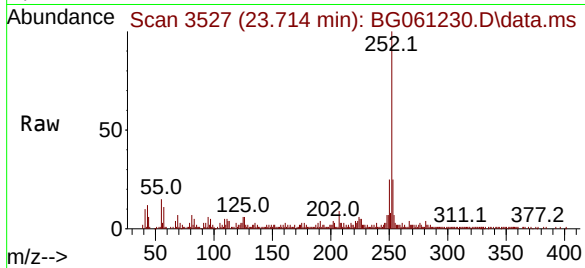




#88
Benzo(b)fluoranthene
Concen: 9.995 ng
RT: 23.714 min Scan# 31
Delta R.T. -0.023 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

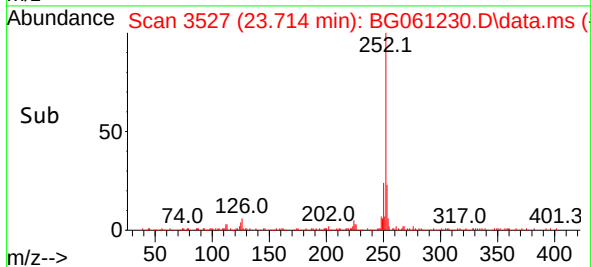
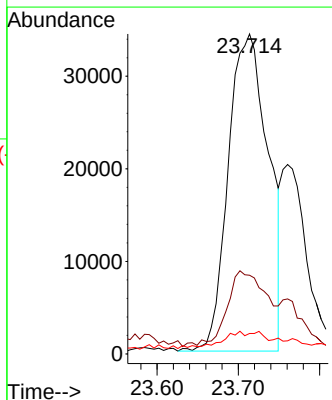
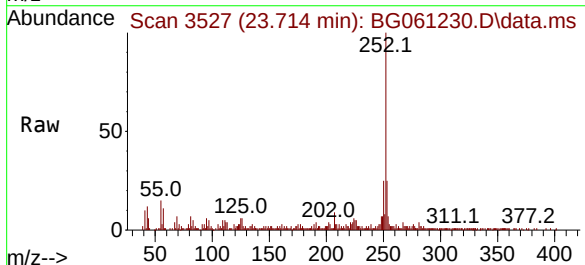
Instrument :
BNA_G
ClientSampleId :
SP-G-COMP

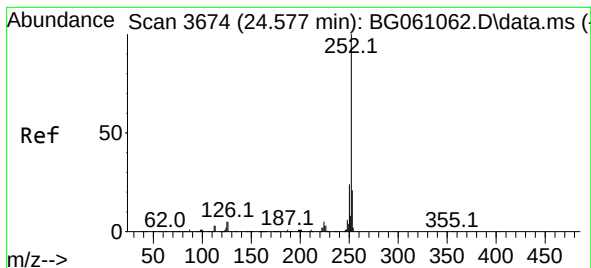
Tgt Ion:252 Resp: 116997
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 6.4 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 10.389 ng
RT: 23.714 min Scan# 3527
Delta R.T. -0.088 min
Lab File: BG061230.D
Acq: 16 May 2024 21:26

Tgt Ion:252 Resp: 116997
Ion Ratio Lower Upper
252 100
253 24.6 17.3 25.9
125 6.4 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 7.144 ng

RT: 24.548 min Scan# 3

Delta R.T. -0.029 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

Instrument :

BNA_G

ClientSampleId :

SP-G-COMP

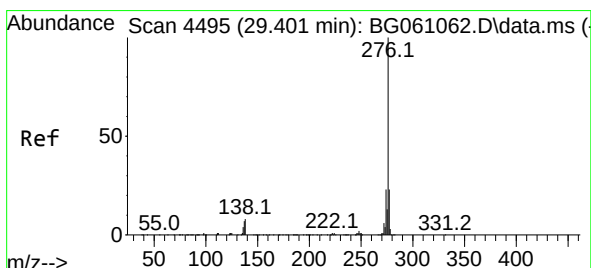
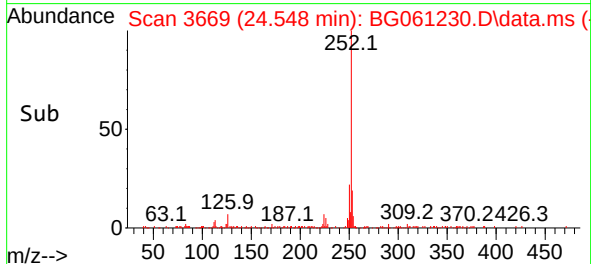
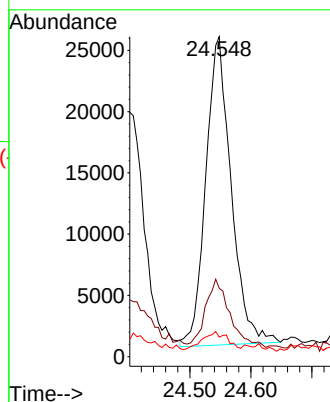
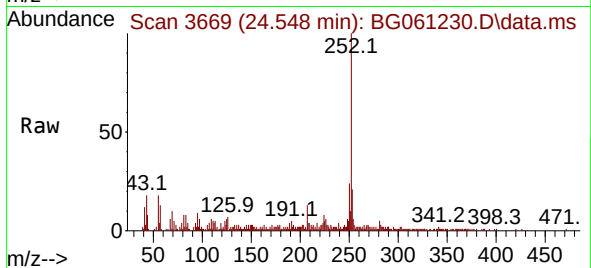
Tgt Ion:252 Resp: 72857

Ion Ratio Lower Upper

252 100

253 21.4 16.9 25.3

125 6.1 3.8 5.8#



#92

Benzo(g,h,i)perylene

Concen: 3.157 ng

RT: 29.348 min Scan# 4486

Delta R.T. -0.053 min

Lab File: BG061230.D

Acq: 16 May 2024 21:26

Tgt Ion:276 Resp: 36069

Ion Ratio Lower Upper

276 100

277 31.7 18.2 27.4#

138 11.6 6.2 9.2#

