

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
 Data File : BG061104.D
 Acq On : 3 May 2024 13:25
 Operator : MA/JU
 Sample : P2331-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: May 03 14:05:43 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)

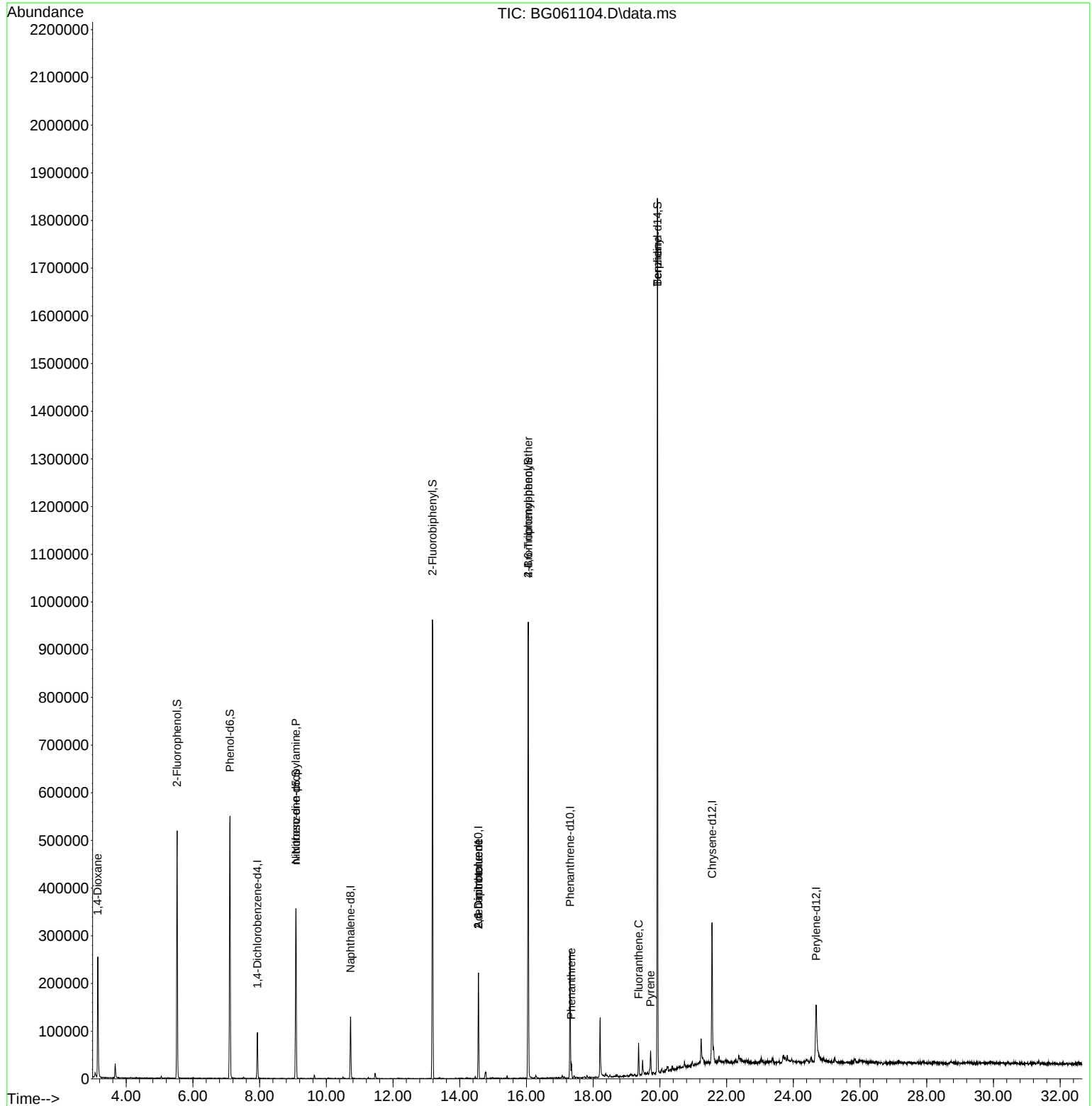
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	25570	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	101860	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	80254	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	177566	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	185017	20.000	ng	-0.03
86) Perylene-d12	24.686	264	169319	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	182235	144.942	ng	-0.02
7) Phenol-d6	7.112	99	253711	136.409	ng	-0.02
23) Nitrobenzene-d5	9.086	82	183341	89.227	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	210653	131.319	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	505247	93.094	ng	-0.03
79) Terphenyl-d14	19.927	244	927721	83.394	ng	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.146	88	2110	4.151	ng	# 1
9) Benzaldehyde	7.118	77	549	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.092	70	27689	19.893	ng	# 59
51) 2,6-Dinitrotoluene	14.562	165	11241	8.478	ng	# 16
57) 2,4-Dinitrotoluene	14.562	165	11241	5.730	ng	# 18
67) 4-Bromophenyl-phenylether	16.055	248	13291	6.354	ng	# 1
71) Phenanthrene	17.347	178	17735	2.184	ng	96
75) Fluoranthene	19.363	202	41629	3.743	ng	97
77) Benzidine	19.927	184	15241	6.872	ng	# 90
78) Pyrene	19.721	202	33266	2.828	ng	96

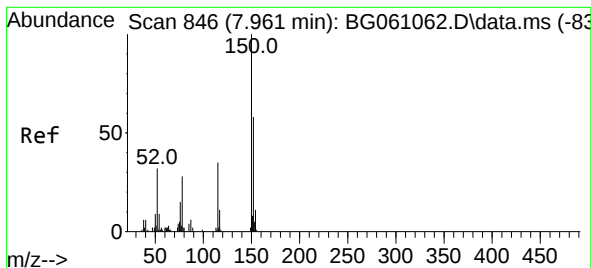
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
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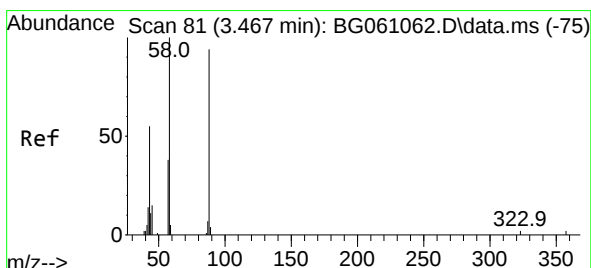
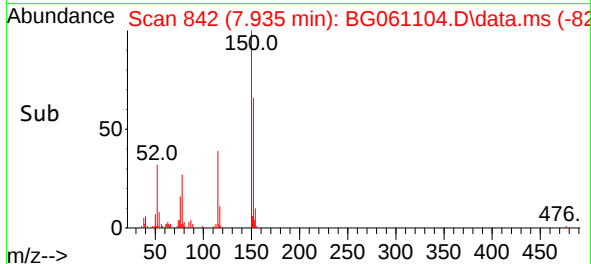
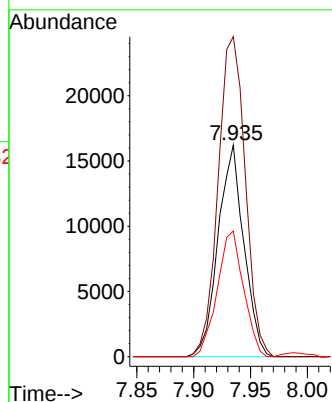
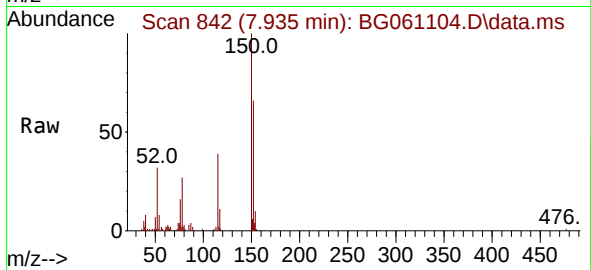




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.935 min Scan# 84
 Delta R.T. -0.026 min
 Lab File: BG061104.D
 Acq: 3 May 2024 13:25

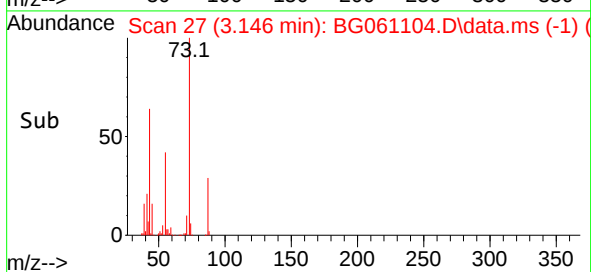
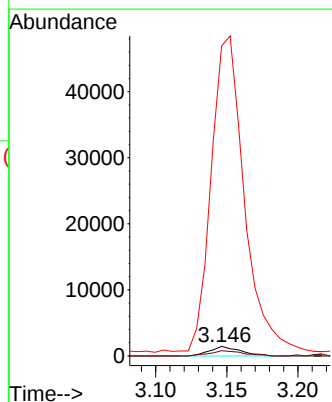
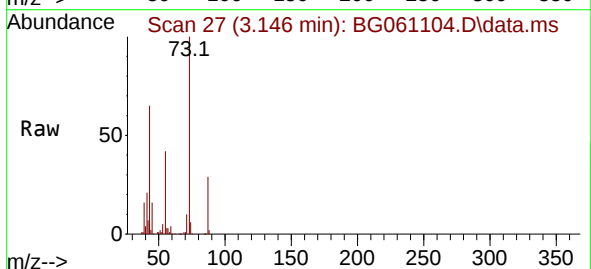
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

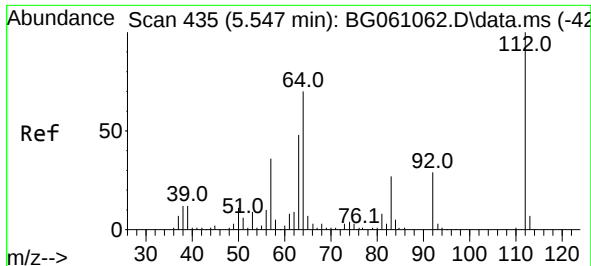
Tgt Ion:152 Resp: 25570
 Ion Ratio Lower Upper
 152 100
 150 151.2 138.3 207.5
 115 59.3 48.0 72.0



#2
 1,4-Dioxane
 Concen: 4.151 ng
 RT: 3.146 min Scan# 27
 Delta R.T. -0.320 min
 Lab File: BG061104.D
 Acq: 3 May 2024 13:25

Tgt Ion: 88 Resp: 2110
 Ion Ratio Lower Upper
 88 100
 58 63.6 81.2 121.8#
 43 3650.6 45.0 67.4#

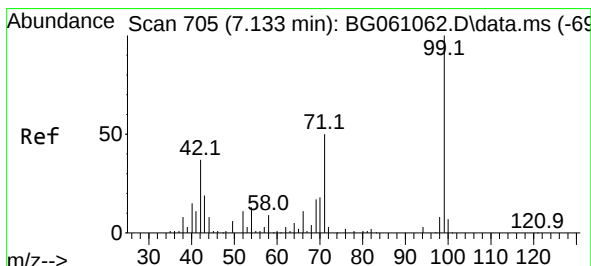
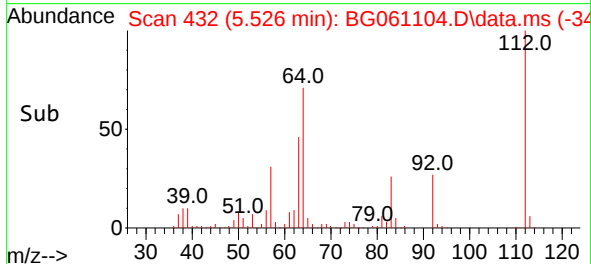
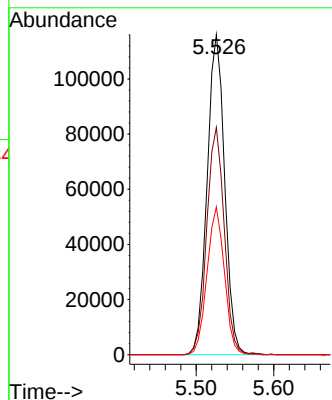
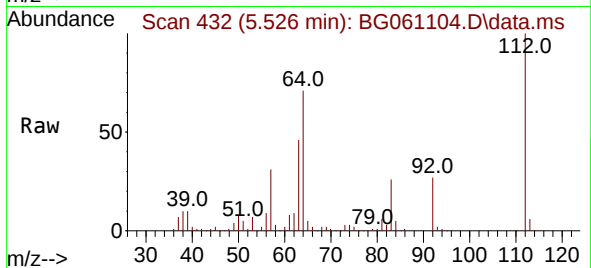




#5
2-Fluorophenol
Concen: 144.942 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.021 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

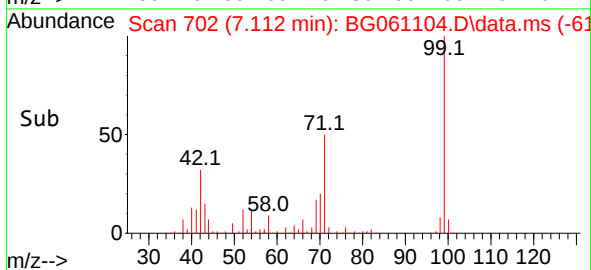
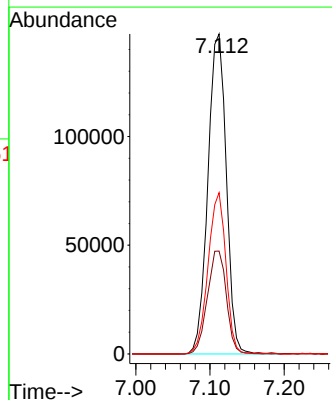
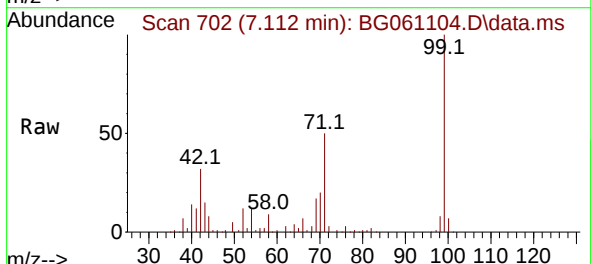
Instrument :
BNA_G
ClientSampleId :
TP-2

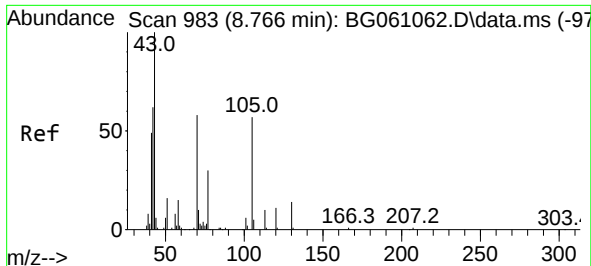
Tgt Ion:112 Resp: 182235
Ion Ratio Lower Upper
112 100
64 71.0 55.7 83.5
63 46.1 38.1 57.1



#7
Phenol-d6
Concen: 136.409 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.021 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

Tgt Ion: 99 Resp: 253711
Ion Ratio Lower Upper
99 100
42 32.2 29.2 43.8
71 50.4 39.7 59.5





#19

n-Nitroso-di-n-propylamine

Concen: 19.893 ng

RT: 9.092 min Scan# 1039

Delta R.T. 0.326 min

Lab File: BG061104.D

Acq: 3 May 2024 13:25

Instrument :

BNA_G

ClientSampleId :

TP-2

Tgt Ion: 70 Resp: 27689

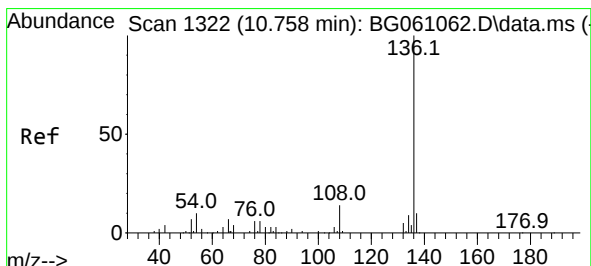
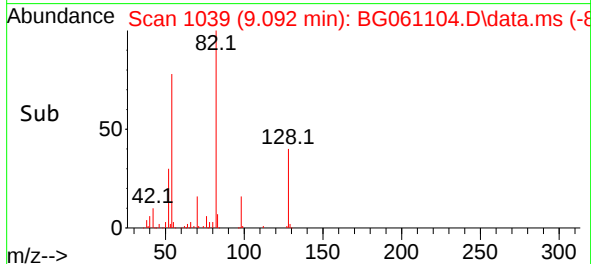
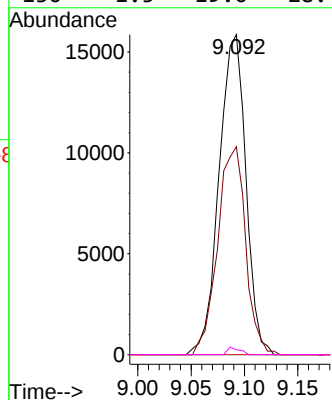
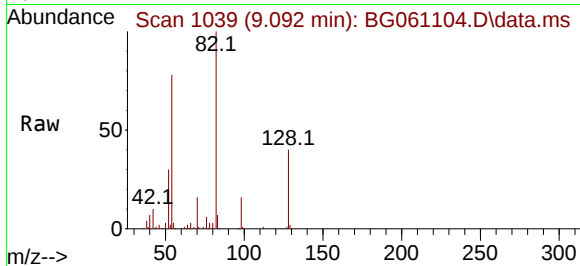
Ion Ratio Lower Upper

70 100

42 65.0 86.4 129.6#

101 0.0 7.8 11.8#

130 1.5 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: BG061104.D

Acq: 3 May 2024 13:25

Tgt Ion:136 Resp: 101860

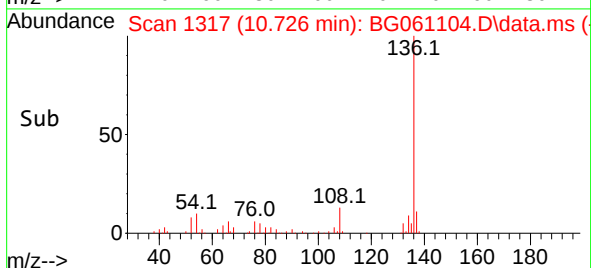
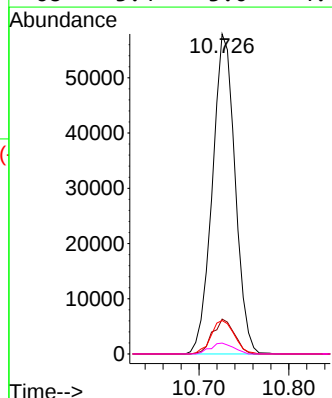
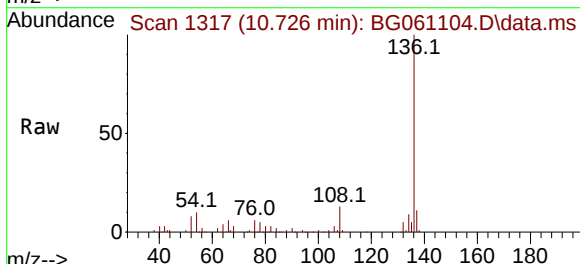
Ion Ratio Lower Upper

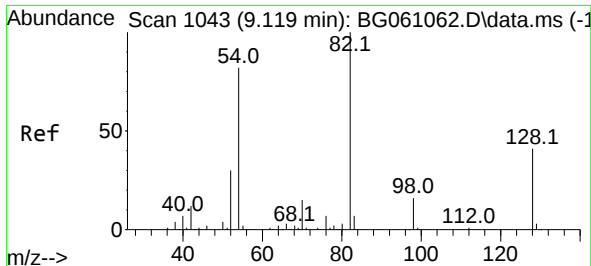
136 100

137 10.9 7.8 11.6

54 10.4 8.1 12.1

68 3.4 3.0 4.4

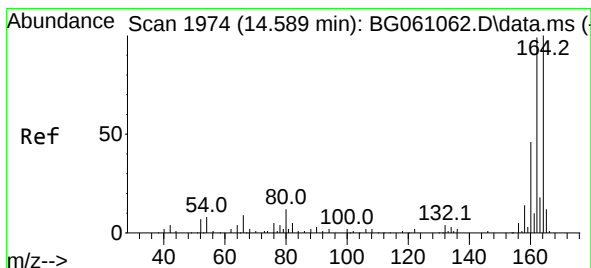
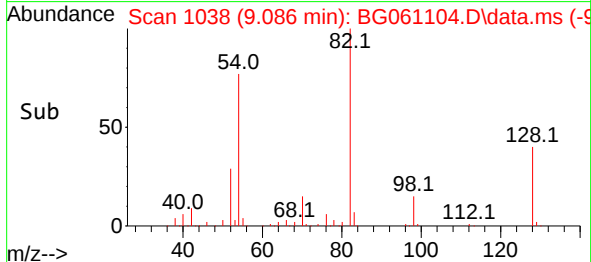
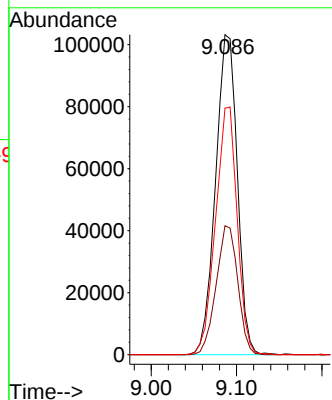
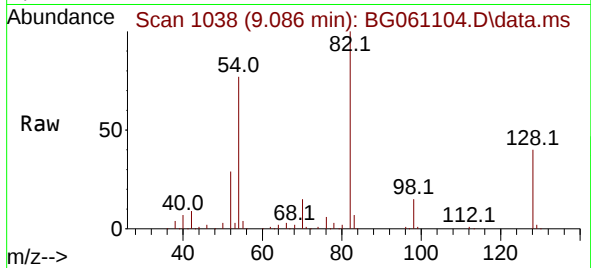




#23
Nitrobenzene-d5
Concen: 89.227 ng
RT: 9.086 min Scan# 1038
Delta R.T. -0.032 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

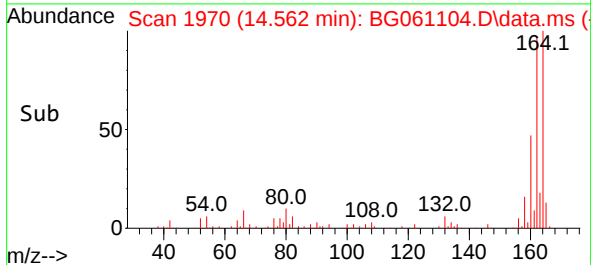
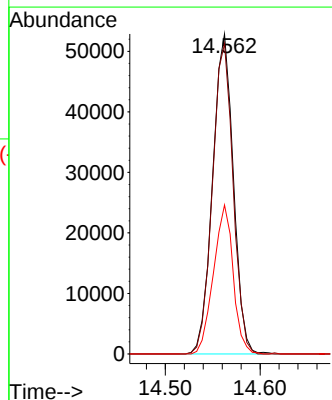
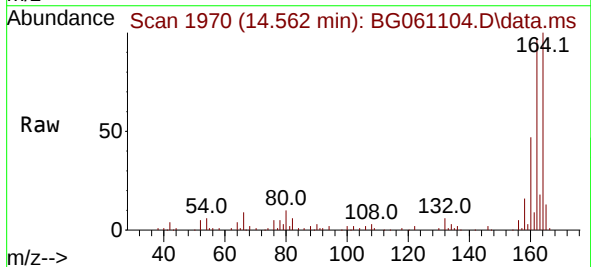
Instrument :
BNA_G
ClientSampleId :
TP-2

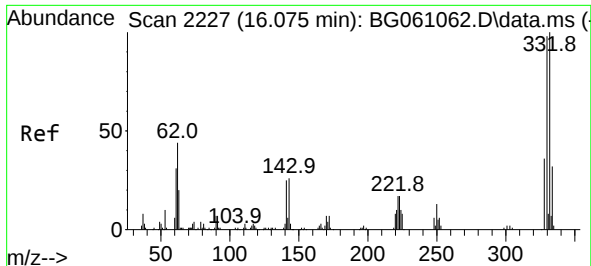
Tgt Ion: 82 Resp: 183341
Ion Ratio Lower Upper
82 100
128 40.3 32.7 49.1
54 77.1 65.6 98.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1970
Delta R.T. -0.027 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

Tgt Ion:164 Resp: 80254
Ion Ratio Lower Upper
164 100
162 97.0 79.4 119.2
160 46.6 37.0 55.6

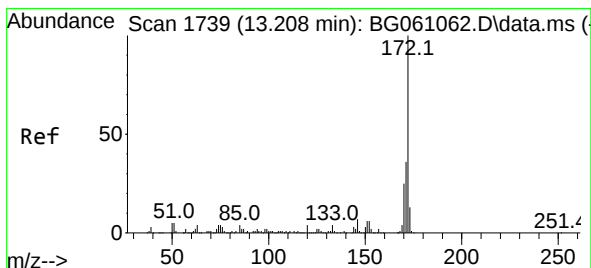
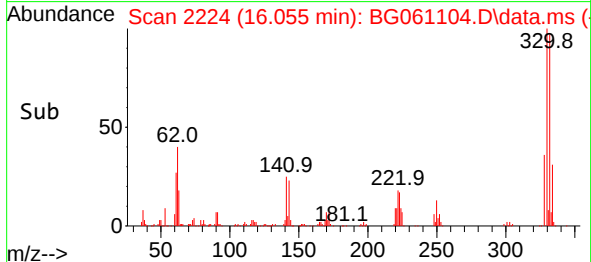
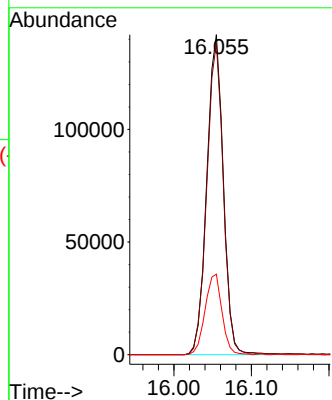
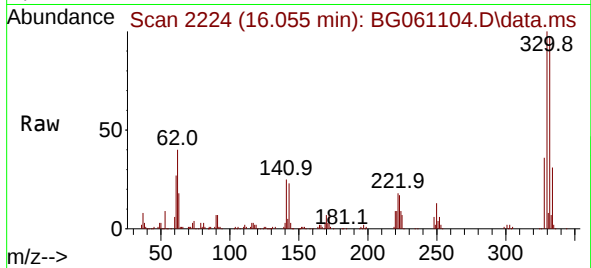




#42
2,4,6-Tribromophenol
Concen: 131.319 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

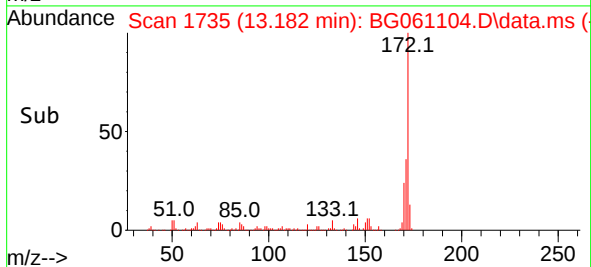
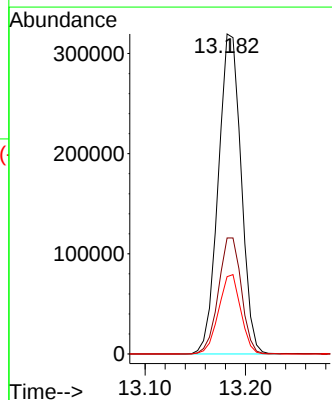
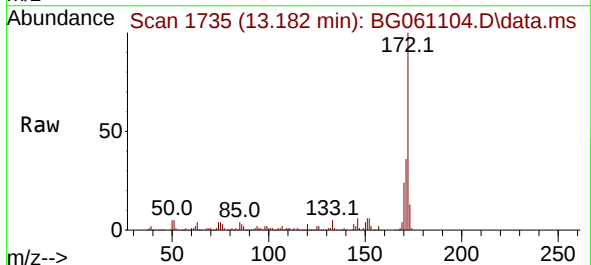
Instrument :
BNA_G
ClientSampleId :
TP-2

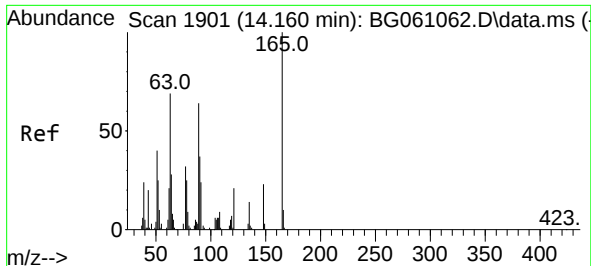
Tgt Ion:330 Resp: 210653
Ion Ratio Lower Upper
330 100
332 97.1 78.6 117.8
141 25.6 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 93.094 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.027 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

Tgt Ion:172 Resp: 505247
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.6
170 24.2 20.2 30.4

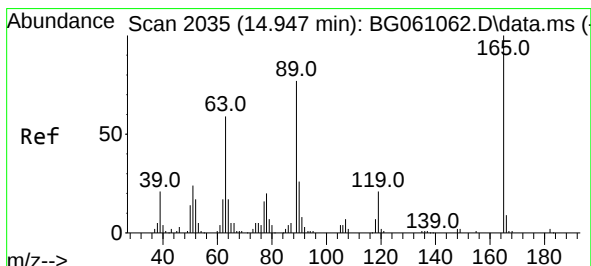
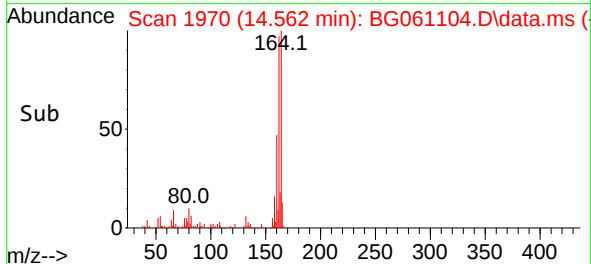
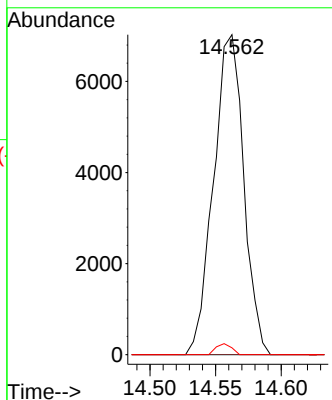
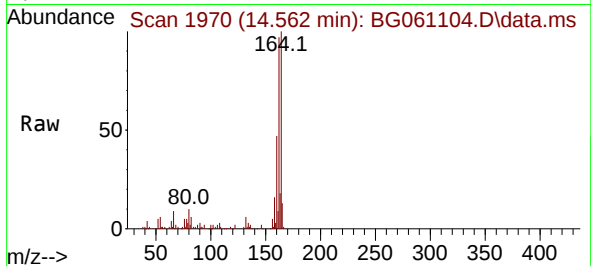




#51
2,6-Dinitrotoluene
Concen: 8.478 ng
RT: 14.562 min Scan# 1901
Delta R.T. 0.402 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

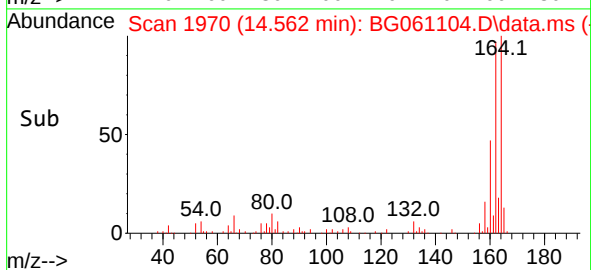
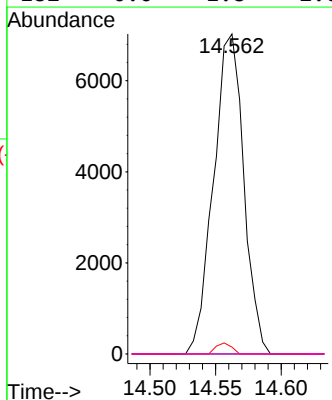
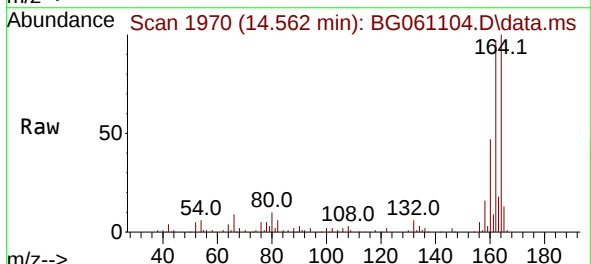
Instrument :
BNA_G
ClientSampleId :
TP-2

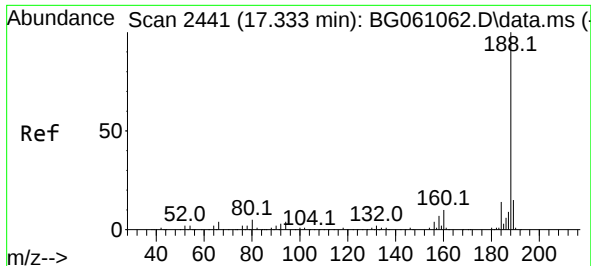
Tgt Ion:165 Resp: 11241
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 2.1 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.730 ng
RT: 14.562 min Scan# 1970
Delta R.T. -0.385 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

Tgt Ion:165 Resp: 11241
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 2.1 61.8 92.8#
182 0.0 1.8 2.6#

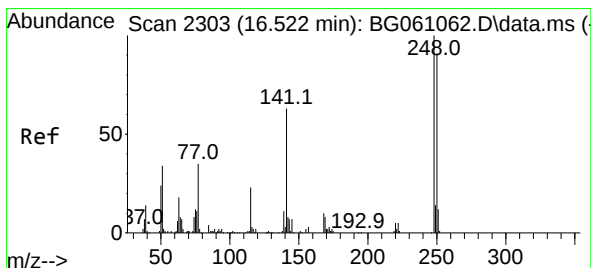
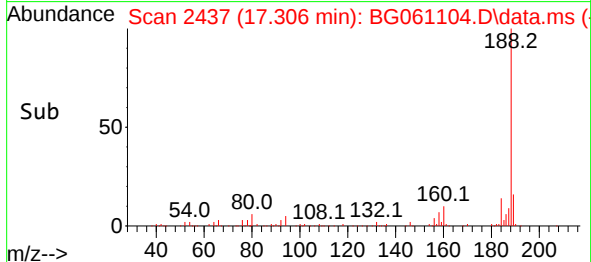
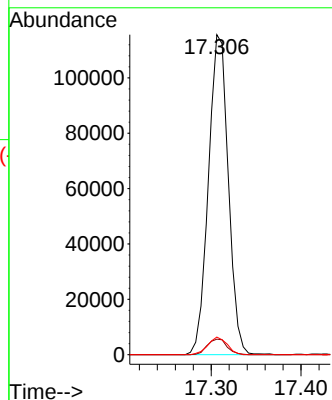
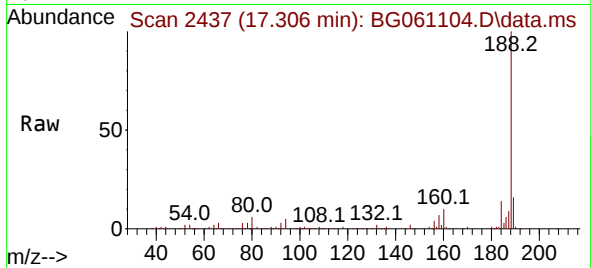




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2441
Delta R.T. -0.026 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

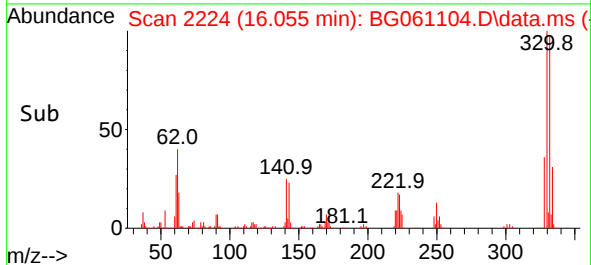
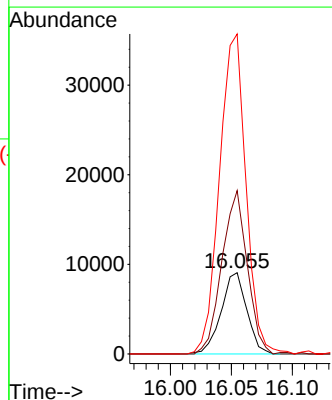
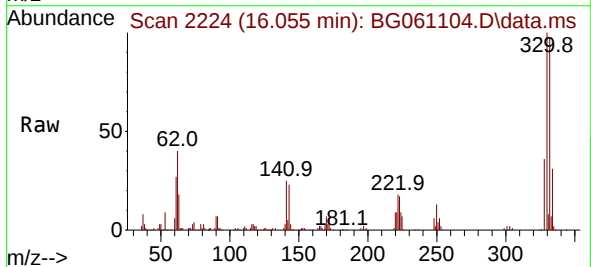
Instrument :
BNA_G
ClientSampleId :
TP-2

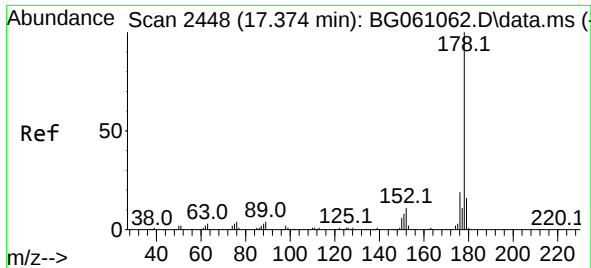
Tgt Ion:188 Resp: 177566
Ion Ratio Lower Upper
188 100
94 4.8 3.6 5.4
80 5.5 4.2 6.2



#67
4-Bromophenyl-phenylether
Concen: 6.354 ng
RT: 16.055 min Scan# 2224
Delta R.T. -0.467 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

Tgt Ion:248 Resp: 13291
Ion Ratio Lower Upper
248 100
250 200.7 73.0 109.4#
141 393.3 50.8 76.2#

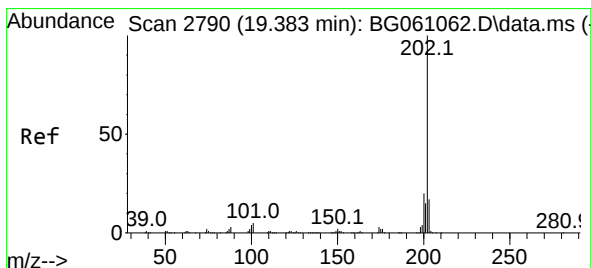
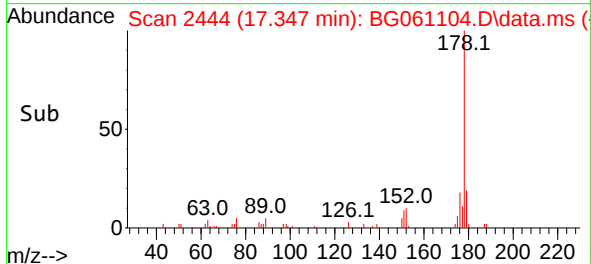
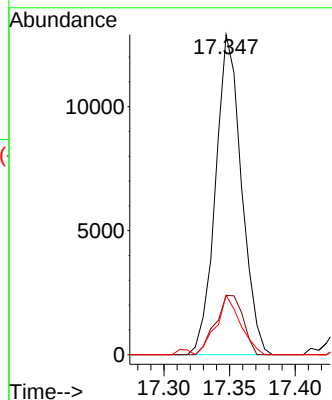
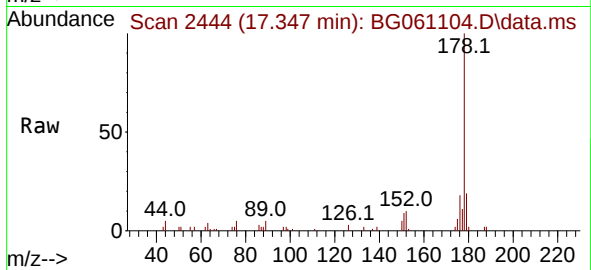




#71
Phenanthrene
Concen: 2.184 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.027 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

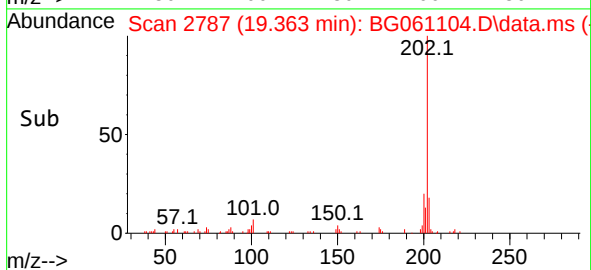
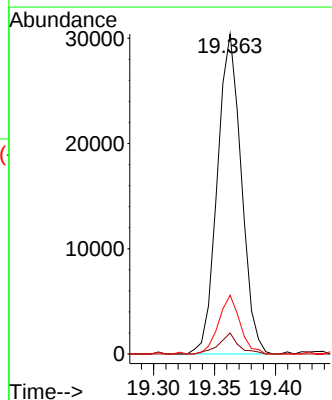
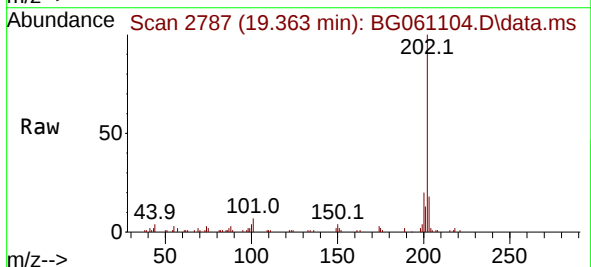
Instrument :
BNA_G
ClientSampleId :
TP-2

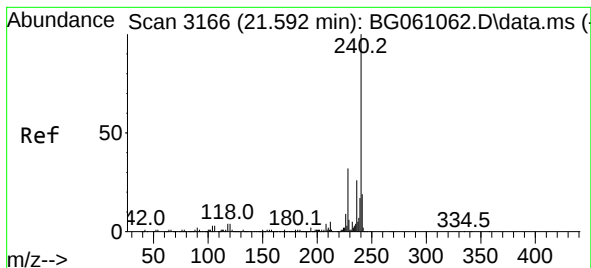
Tgt Ion:178 Resp: 17735
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 18.6 12.6 19.0



#75
Fluoranthene
Concen: 3.743 ng
RT: 19.363 min Scan# 2787
Delta R.T. -0.021 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

Tgt Ion:202 Resp: 41629
Ion Ratio Lower Upper
202 100
101 6.5 0.0 24.7
203 18.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 3162

Delta R.T. -0.026 min

Lab File: BG061104.D

Acq: 3 May 2024 13:25

Instrument :

BNA_G

ClientSampleId :

TP-2

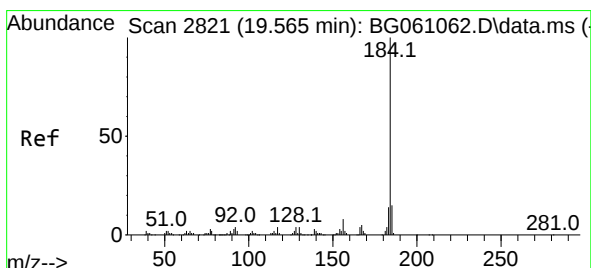
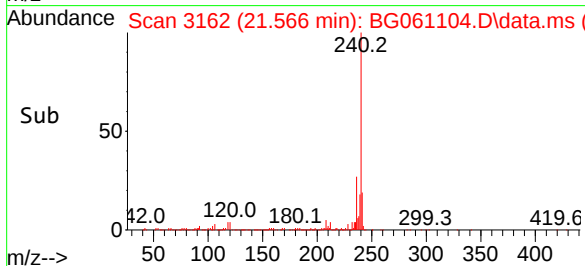
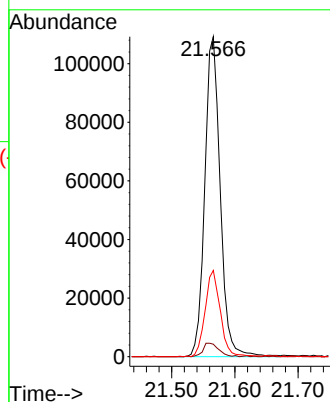
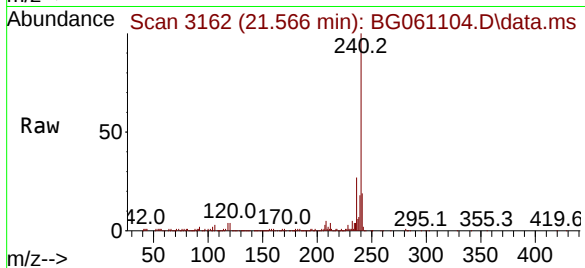
Tgt Ion:240 Resp: 185017

Ion Ratio Lower Upper

240 100

120 3.9 3.2 4.8

236 27.0 21.0 31.6



#77

Benzidine

Concen: 6.872 ng

RT: 19.927 min Scan# 2883

Delta R.T. 0.362 min

Lab File: BG061104.D

Acq: 3 May 2024 13:25

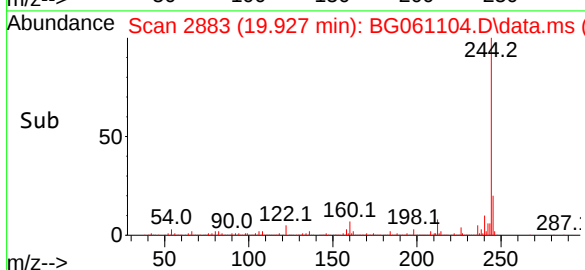
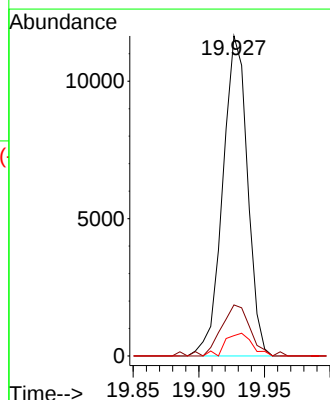
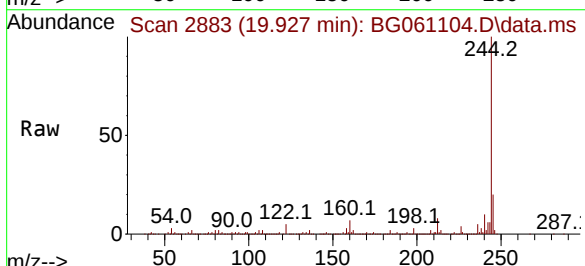
Tgt Ion:184 Resp: 15241

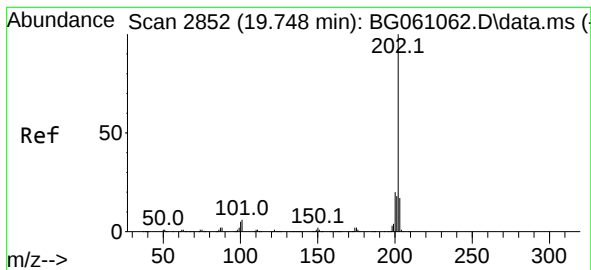
Ion Ratio Lower Upper

184 100

185 15.9 12.0 18.0

183 6.4 10.9 16.3#





#78

Pyrene

Concen: 2.828 ng

RT: 19.721 min Scan# 2848

Delta R.T. -0.027 min

Lab File: BG061104.D

Acq: 3 May 2024 13:25

Instrument :

BNA_G

ClientSampleId :

TP-2

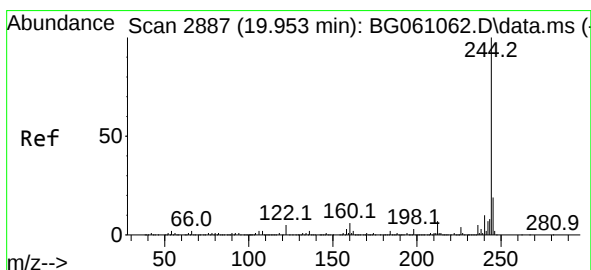
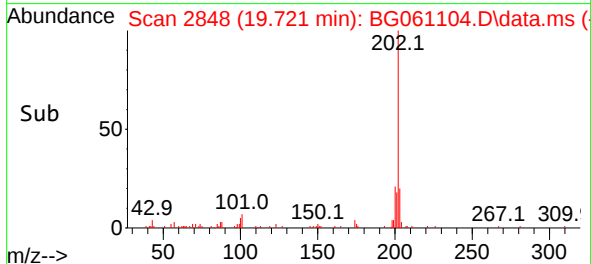
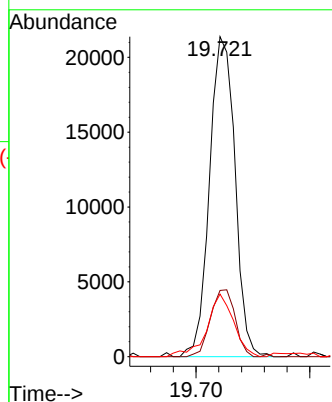
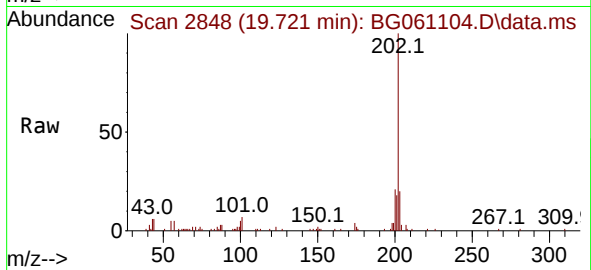
Tgt Ion:202 Resp: 33266

Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.4

203 19.6 13.3 19.9



#79

Terphenyl-d14

Concen: 83.394 ng

RT: 19.927 min Scan# 2883

Delta R.T. -0.027 min

Lab File: BG061104.D

Acq: 3 May 2024 13:25

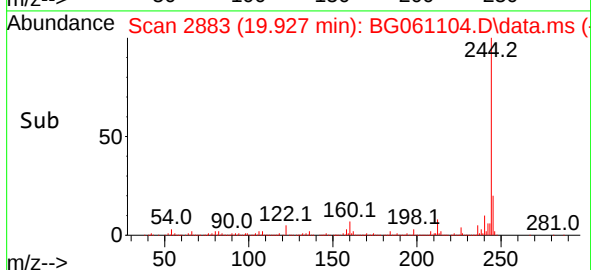
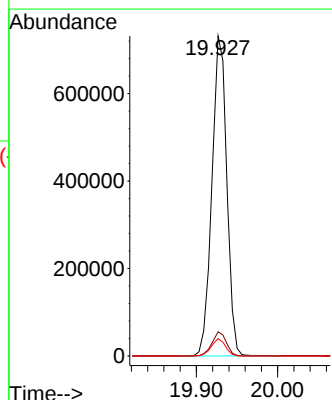
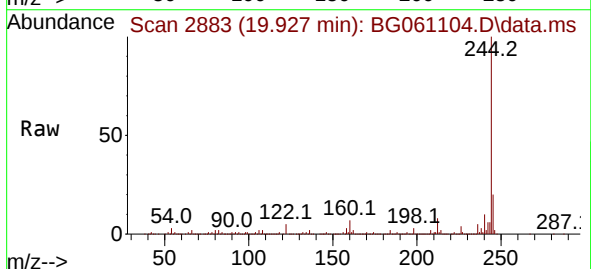
Tgt Ion:244 Resp: 927721

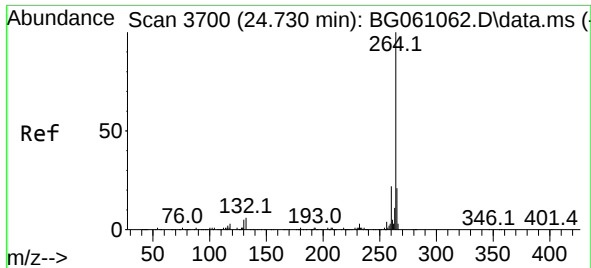
Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

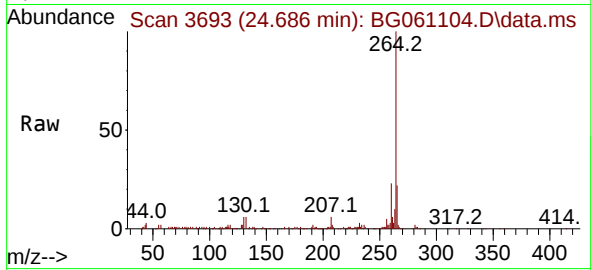
122 5.4 4.2 6.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.686 min Scan# 30
Delta R.T. -0.044 min
Lab File: BG061104.D
Acq: 3 May 2024 13:25

Instrument :
BNA_G
ClientSampleId :
TP-2



Tgt Ion:264 Resp: 169319

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.7	26.5
265	21.8	16.4	24.6

