

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051024\
 Data File : BG061164.D
 Acq On : 10 May 2024 15:35
 Operator : MA/JU
 Sample : P2422-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WCS-TP-D

Quant Time: May 10 16:08:42 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)

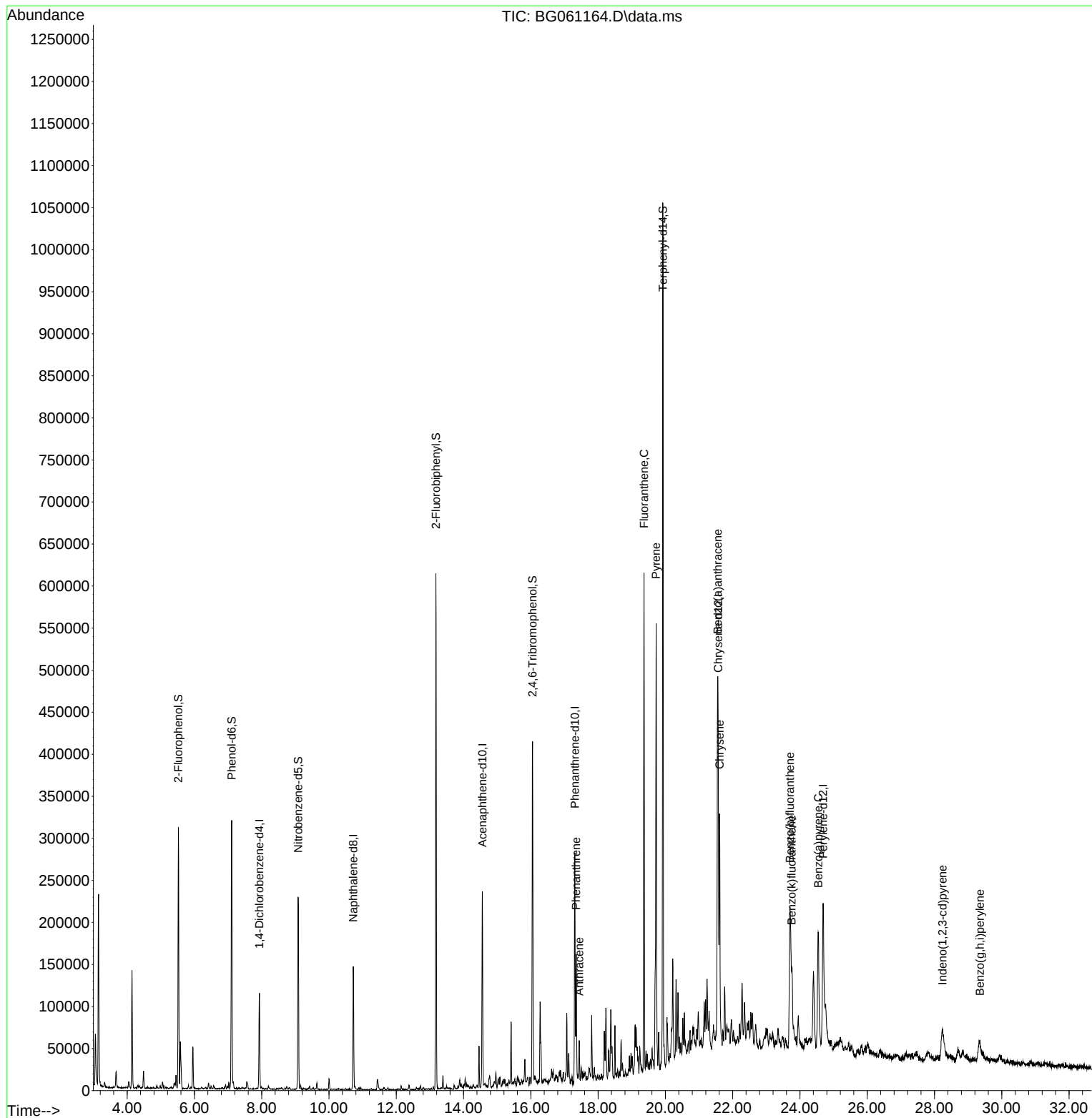
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.932	152	27804	20.000	ng	-0.03
21) Naphthalene-d8	10.723	136	111589	20.000	ng	#-0.04
39) Acenaphthene-d10	14.559	164	84574	20.000	ng	-0.03
64) Phenanthrene-d10	17.309	188	181541	20.000	ng	-0.02
76) Chrysene-d12	21.569	240	194560	20.000	ng	-0.02
86) Perylene-d12	24.689	264	221667	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	107736	78.804	ng	-0.02
7) Phenol-d6	7.104	99	148421	73.387	ng	-0.03
23) Nitrobenzene-d5	9.084	82	121583	54.012	ng	-0.04
42) 2,4,6-Tribromophenol	16.052	330	93698	55.427	ng	-0.02
45) 2-Fluorobiphenyl	13.179	172	311156	54.403	ng	-0.03
79) Terphenyl-d14	19.924	244	525577	44.927	ng	-0.03
Target Compounds						
						Qvalue
71) Phenanthrene	17.350	178	97168	11.706	ng	98
72) Anthracene	17.438	178	29628	3.577	ng	97
75) Fluoranthene	19.366	202	384255	33.790	ng	99
78) Pyrene	19.724	202	356435	28.816	ng	98
81) Benzo(a)anthracene	21.551	228	229513	18.027	ng	98
83) Chrysene	21.610	228	200602	16.818	ng	97
87) Indeno(1,2,3-cd)pyrene	28.238	276	96570m	6.574	ng	
88) Benzo(b)fluoranthene	23.702	252	241390	19.488	ng	# 98
89) Benzo(k)fluoranthene	23.755	252	90334m	7.581	ng	
90) Benzo(a)pyrene	24.542	252	189851	17.593	ng	96
92) Benzo(g,h,i)perylene	29.354	276	82664m	6.838	ng	

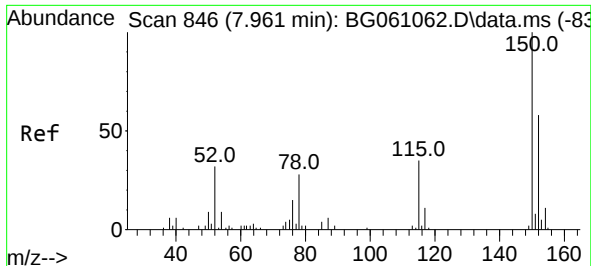
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051024\
Data File : BG061164.D
Acq On : 10 May 2024 15:35
Operator : MA/JU
Sample : P2422-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
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Quant Time: May 10 16:08:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

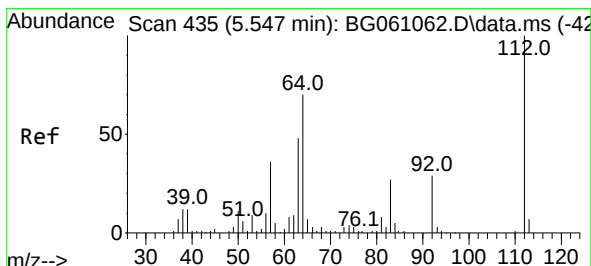
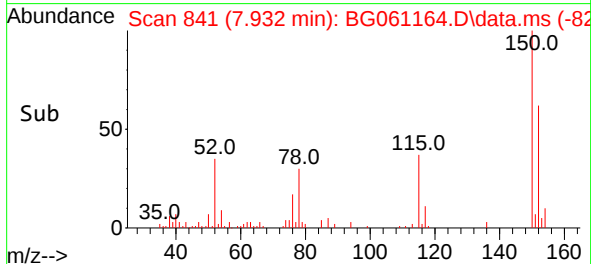
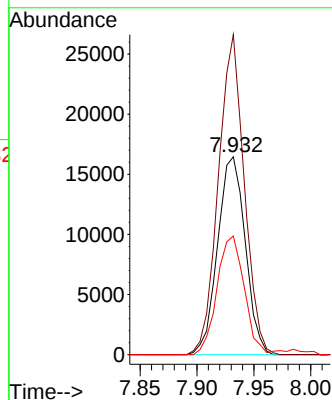
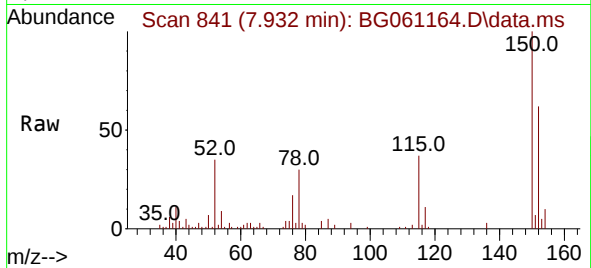




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.932 min Scan# 846
Delta R.T. -0.029 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

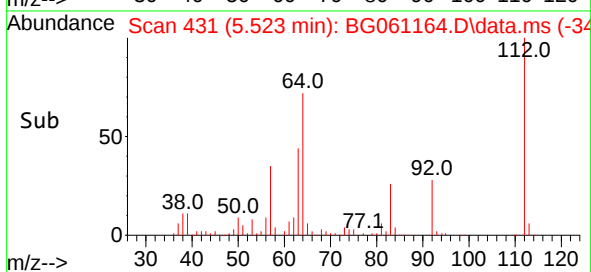
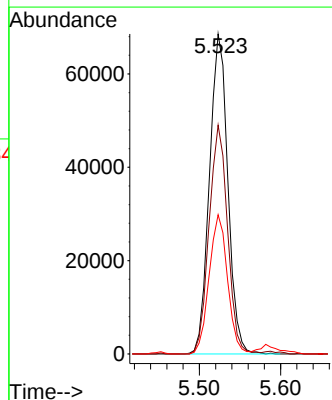
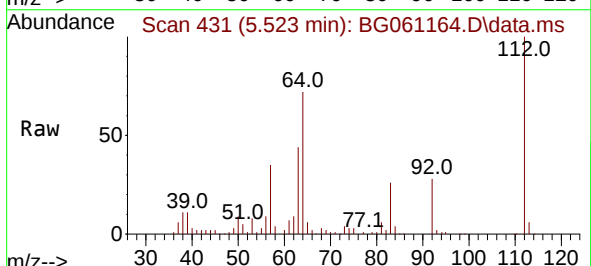
Instrument :
BNA_G
ClientSampleId :
WCS-TP-D

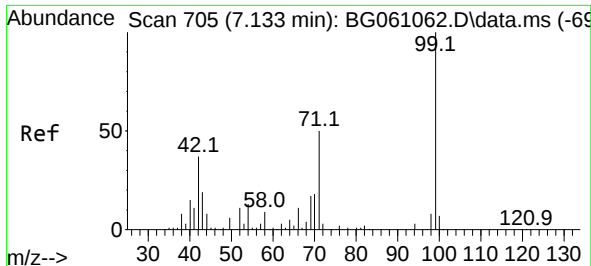
Tgt Ion:152 Resp: 27804
Ion Ratio Lower Upper
152 100
150 161.7 138.3 207.5
115 60.0 48.0 72.0



#5
2-Fluorophenol
Concen: 78.804 ng
RT: 5.523 min Scan# 431
Delta R.T. -0.024 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

Tgt Ion:112 Resp: 107736
Ion Ratio Lower Upper
112 100
64 71.5 55.7 83.5
63 43.5 38.1 57.1

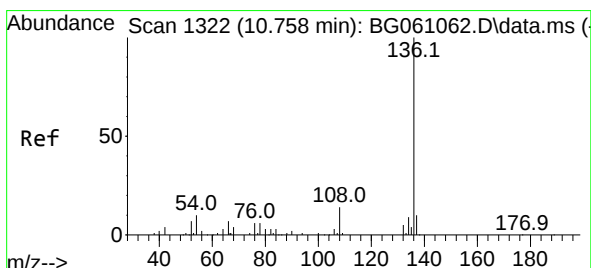
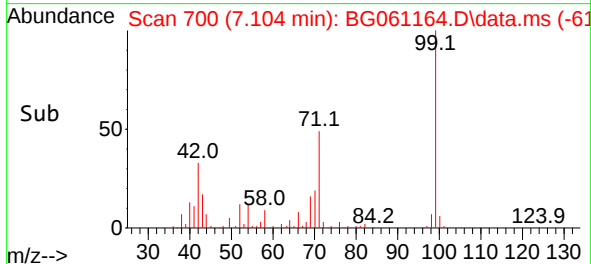
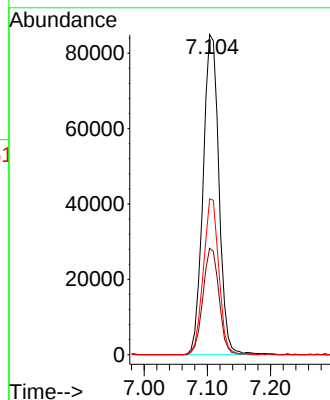
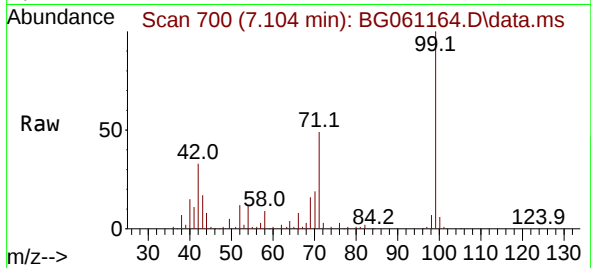




#7
Phenol-d6
Concen: 73.387 ng
RT: 7.104 min Scan# 705
Delta R.T. -0.029 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

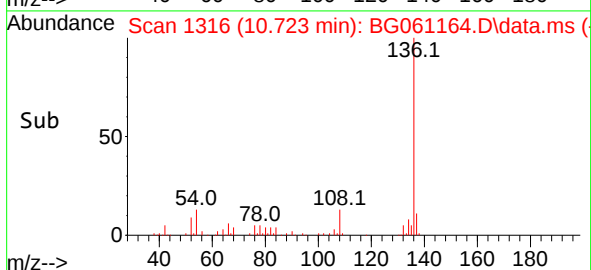
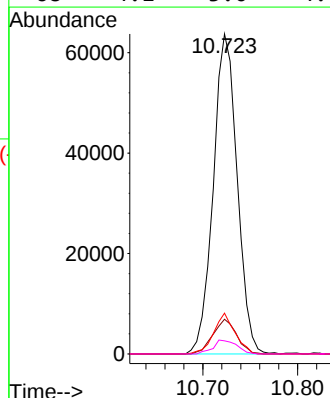
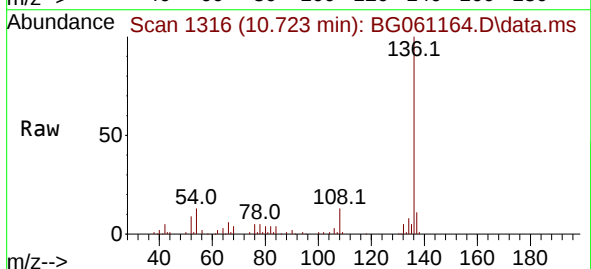
Instrument :
BNA_G
ClientSampleId :
WCS-TP-D

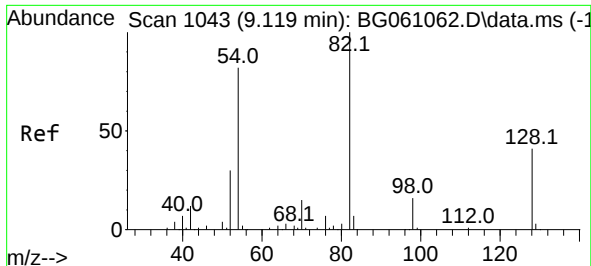
Tgt Ion: 99 Resp: 148421
Ion Ratio Lower Upper
99 100
42 33.3 29.2 43.8
71 48.7 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 1316
Delta R.T. -0.035 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

Tgt Ion:136 Resp: 111589
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 12.7 8.1 12.1#
68 4.1 3.0 4.4





#23

Nitrobenzene-d5

Concen: 54.012 ng

RT: 9.084 min Scan# 1043

Delta R.T. -0.035 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

Instrument :

BNA_G

ClientSampleId :

WCS-TP-D

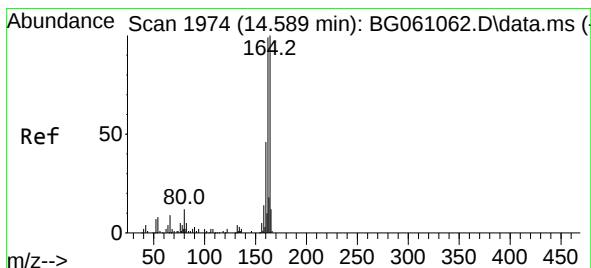
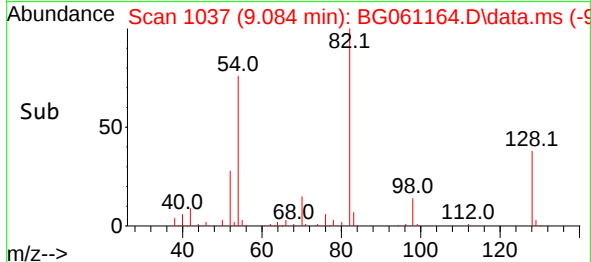
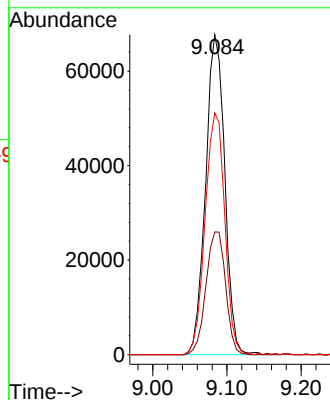
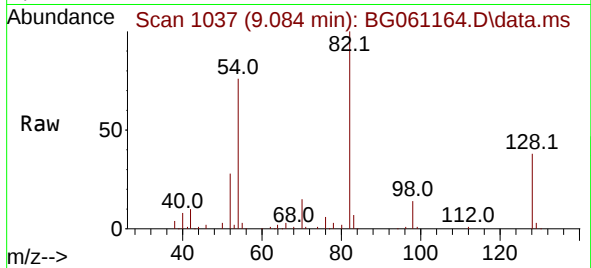
Tgt Ion: 82 Resp: 121583

Ion Ratio Lower Upper

82 100

128 38.3 32.7 49.1

54 75.6 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.029 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

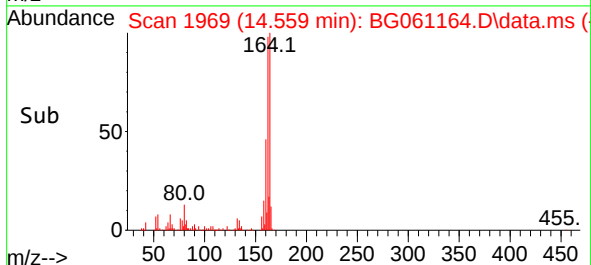
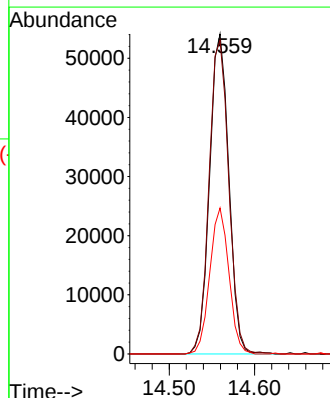
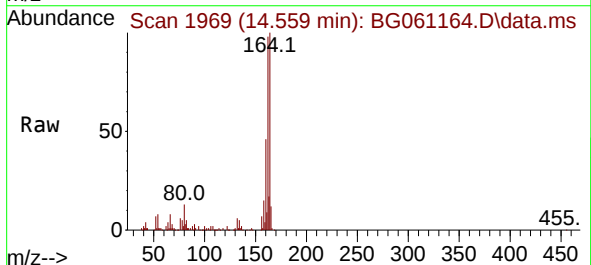
Tgt Ion:164 Resp: 84574

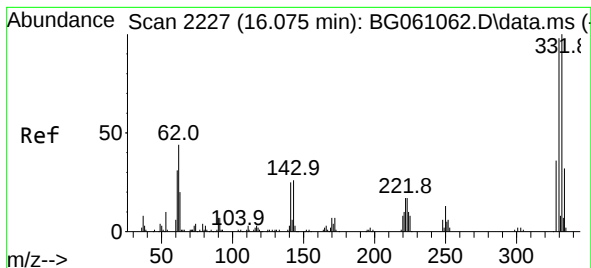
Ion Ratio Lower Upper

164 100

162 98.0 79.4 119.2

160 45.6 37.0 55.6

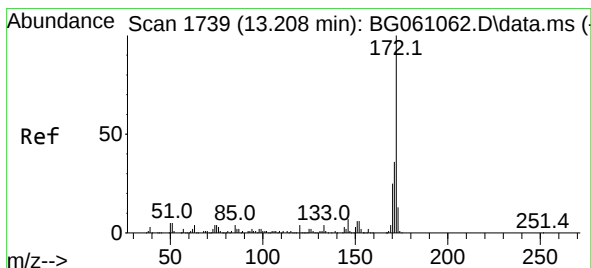
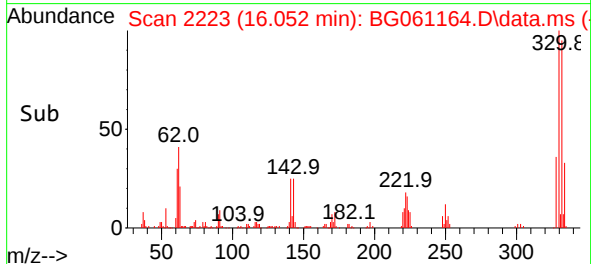
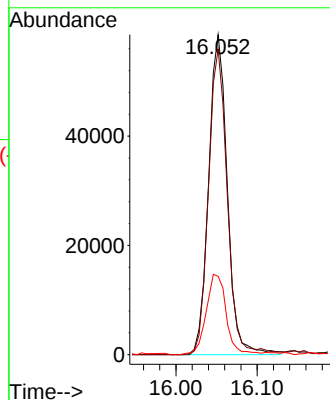
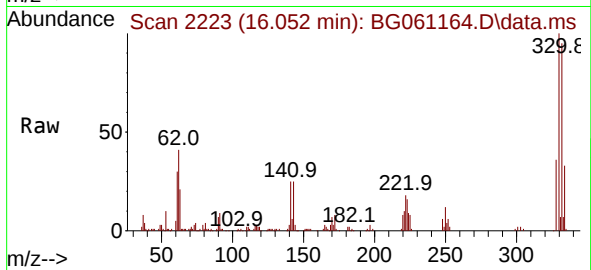




#42
2,4,6-Tribromophenol
Concen: 55.427 ng
RT: 16.052 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

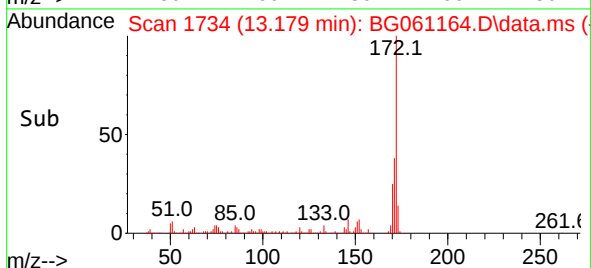
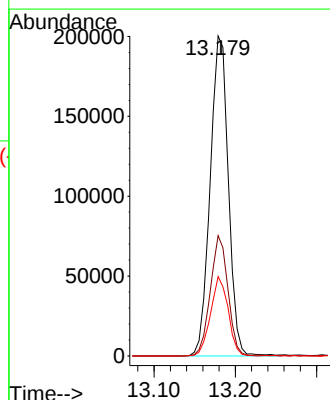
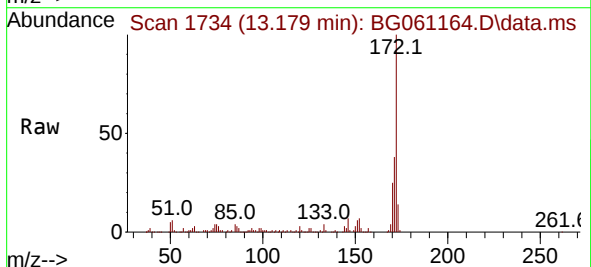
Instrument :
BNA_G
ClientSampleId :
WCS-TP-D

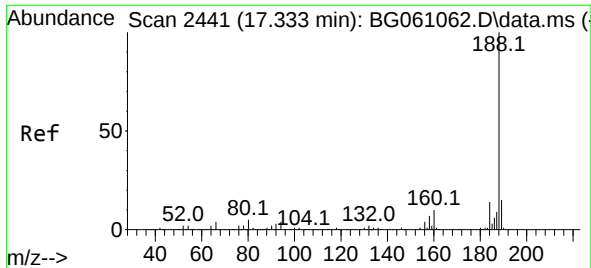
Tgt Ion:330 Resp: 93698
Ion Ratio Lower Upper
330 100
332 95.6 78.6 117.8
141 26.8 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 54.403 ng
RT: 13.179 min Scan# 1734
Delta R.T. -0.029 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

Tgt Ion:172 Resp: 311156
Ion Ratio Lower Upper
172 100
171 37.6 29.0 43.6
170 24.8 20.2 30.4

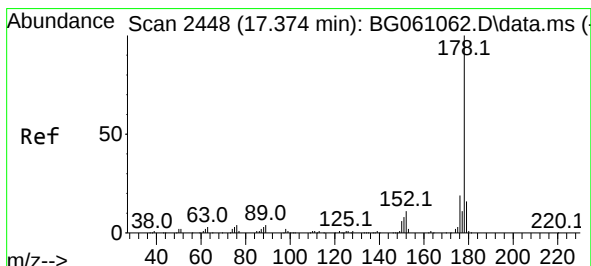
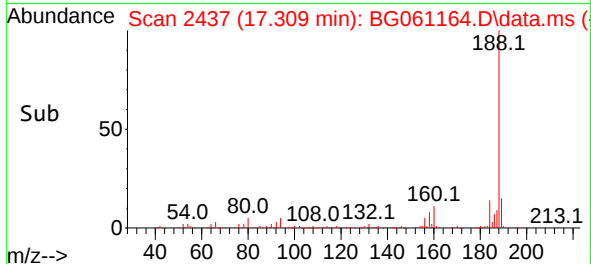
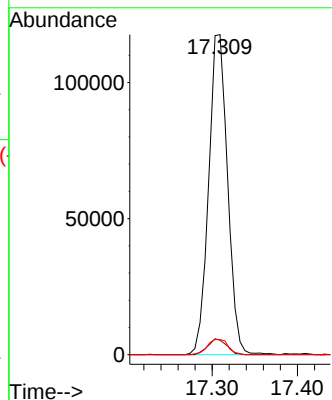
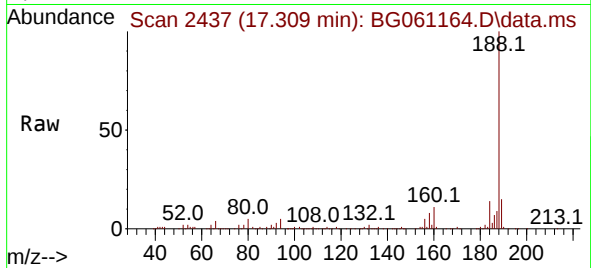




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2437
Delta R.T. -0.024 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

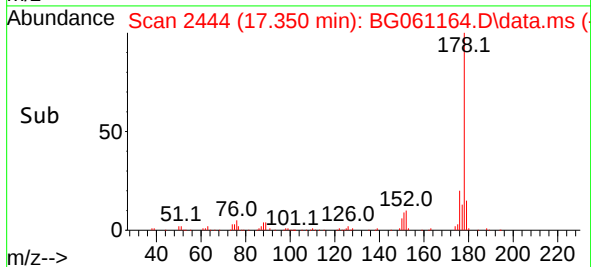
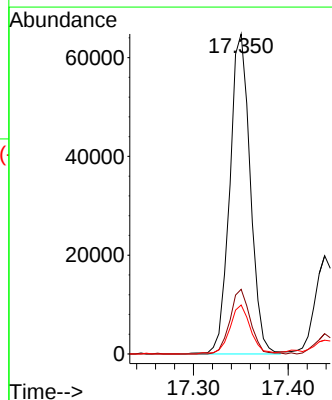
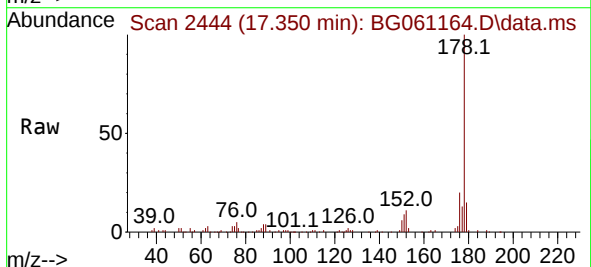
Instrument :
BNA_G
ClientSampleId :
WCS-TP-D

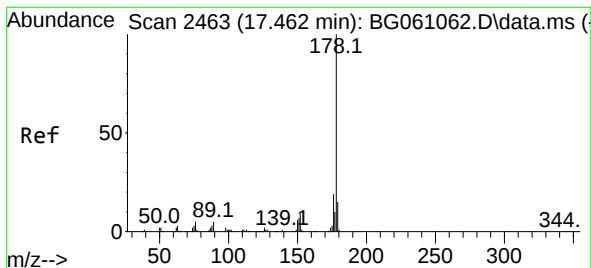
Tgt Ion:188 Resp: 181541
Ion Ratio Lower Upper
188 100
94 4.5 3.6 5.4
80 4.7 4.2 6.2



#71
Phenanthrene
Concen: 11.706 ng
RT: 17.350 min Scan# 2444
Delta R.T. -0.024 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

Tgt Ion:178 Resp: 97168
Ion Ratio Lower Upper
178 100
176 20.2 15.5 23.3
179 15.3 12.6 19.0





#72

Anthracene

Concen: 3.577 ng

RT: 17.438 min Scan# 2463

Delta R.T. -0.024 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

Instrument :

BNA_G

ClientSampleId :

WCS-TP-D

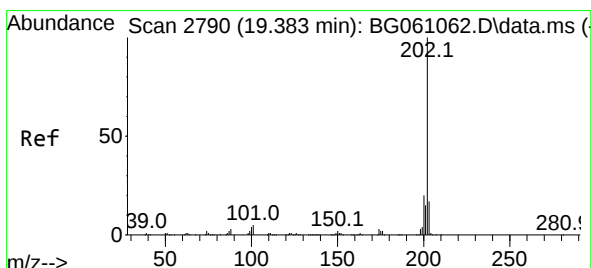
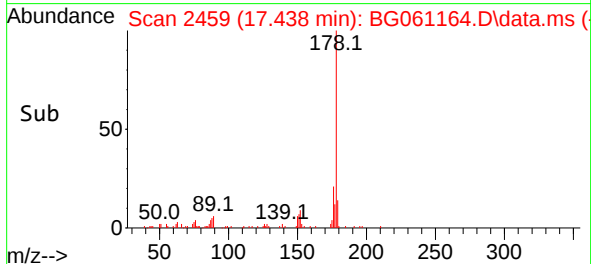
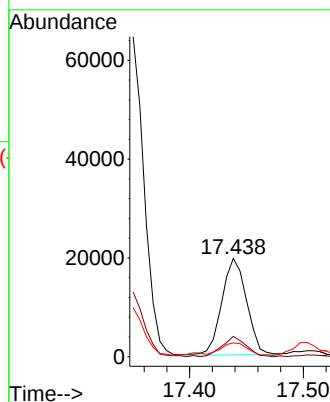
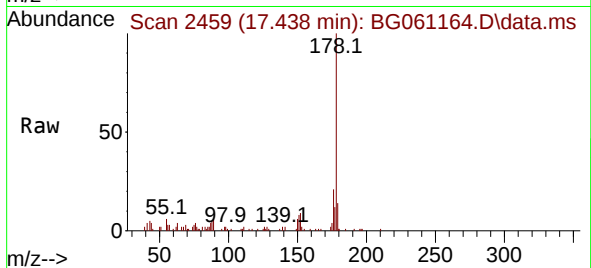
Tgt Ion:178 Resp: 29628

Ion Ratio Lower Upper

178 100

176 20.7 15.0 22.6

179 14.0 12.0 18.0



#75

Fluoranthene

Concen: 33.790 ng

RT: 19.366 min Scan# 2787

Delta R.T. -0.018 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

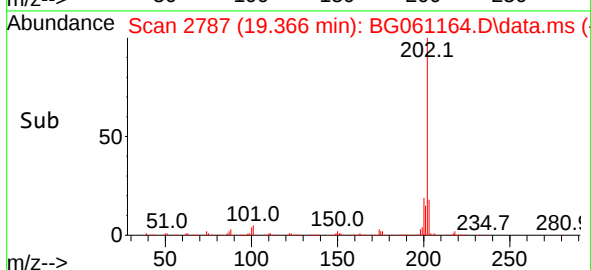
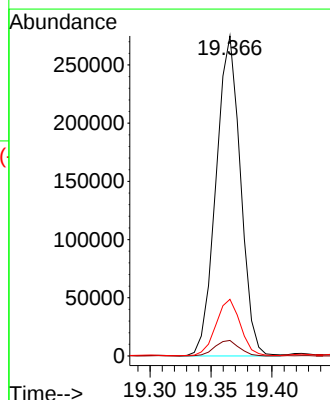
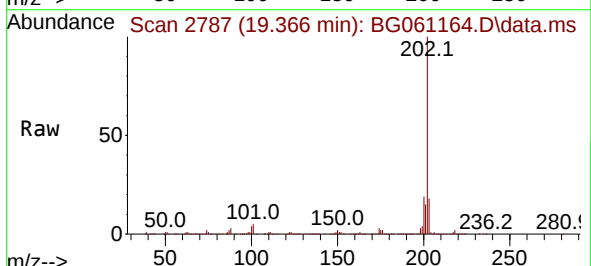
Tgt Ion:202 Resp: 384255

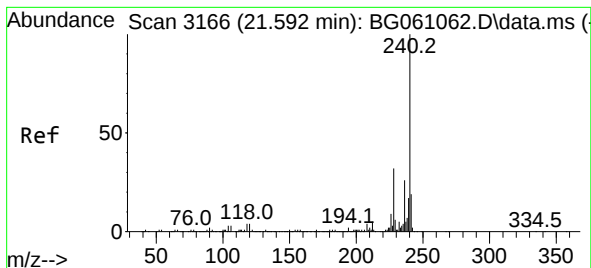
Ion Ratio Lower Upper

202 100

101 4.9 0.0 24.7

203 17.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.569 min Scan# 31

Delta R.T. -0.024 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

Instrument :

BNA_G

ClientSampleId :

WCS-TP-D

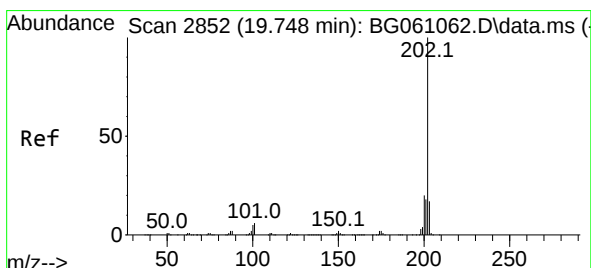
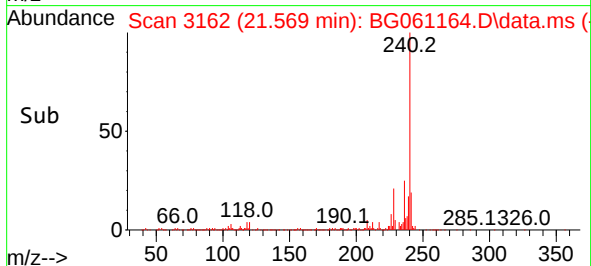
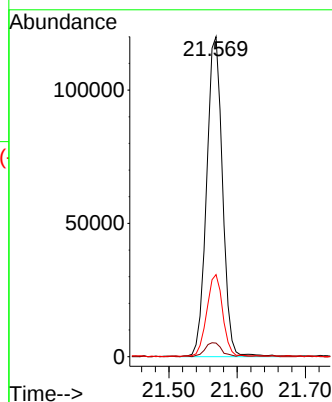
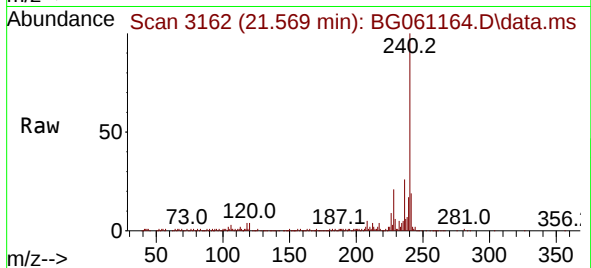
Tgt Ion:240 Resp: 194560

Ion Ratio Lower Upper

240 100

120 4.2 3.2 4.8

236 25.7 21.0 31.6



#78

Pyrene

Concen: 28.816 ng

RT: 19.724 min Scan# 2848

Delta R.T. -0.024 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

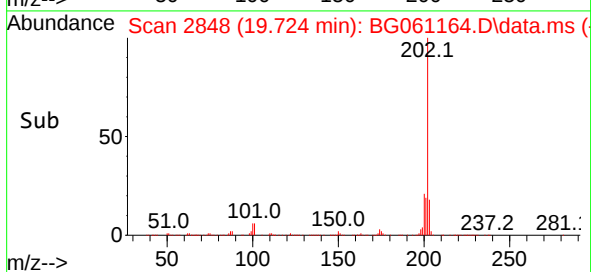
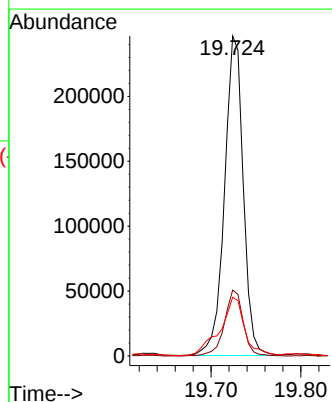
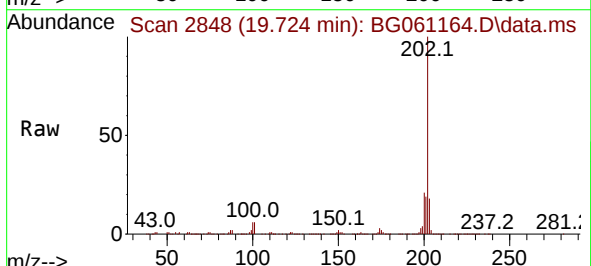
Tgt Ion:202 Resp: 356435

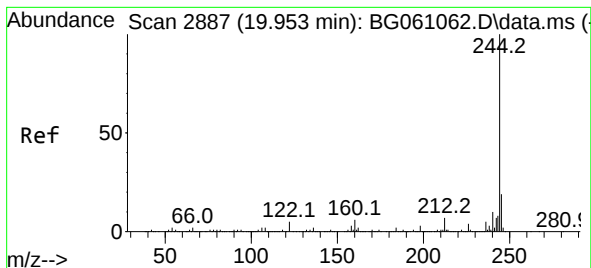
Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.4

203 18.3 13.3 19.9





#79

Terphenyl-d14

Concen: 44.927 ng

RT: 19.924 min Scan# 21

Delta R.T. -0.029 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

Instrument :

BNA_G

ClientSampleId :

WCS-TP-D

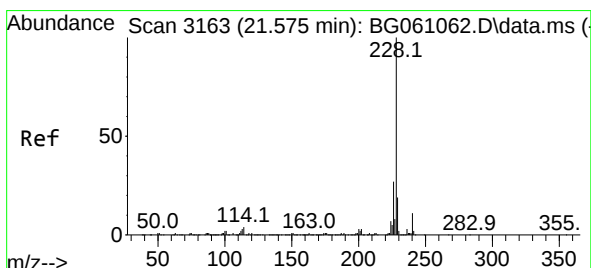
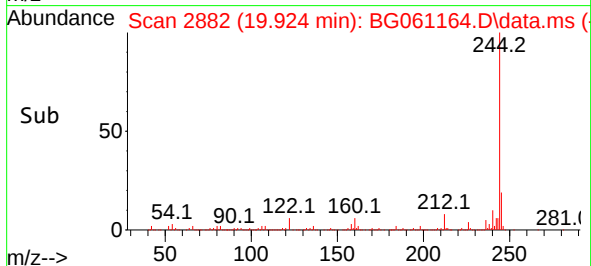
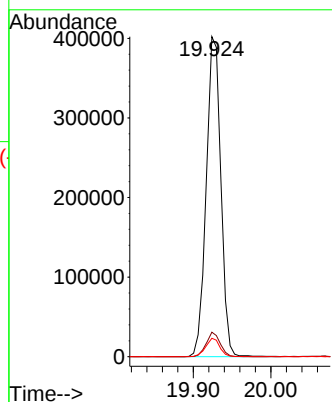
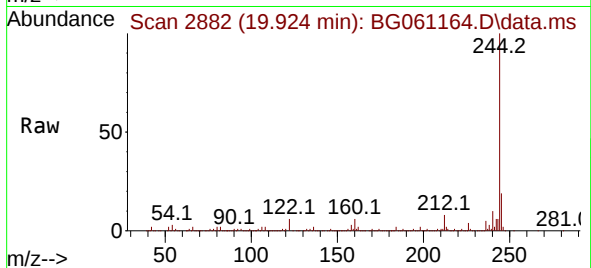
Tgt Ion:244 Resp: 525577

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 5.7 4.2 6.2



#81

Benzo(a)anthracene

Concen: 18.027 ng

RT: 21.551 min Scan# 3159

Delta R.T. -0.024 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

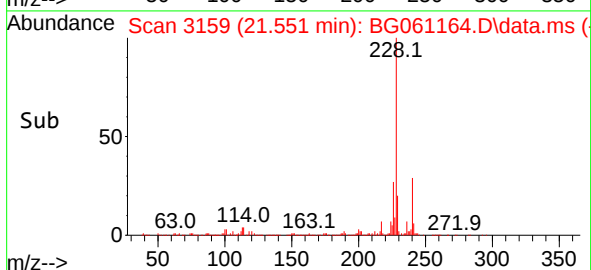
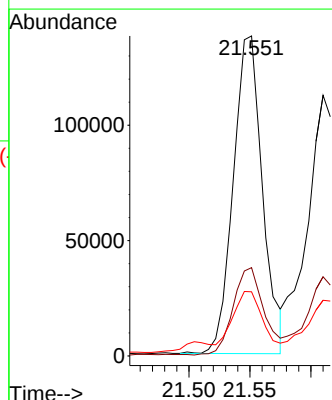
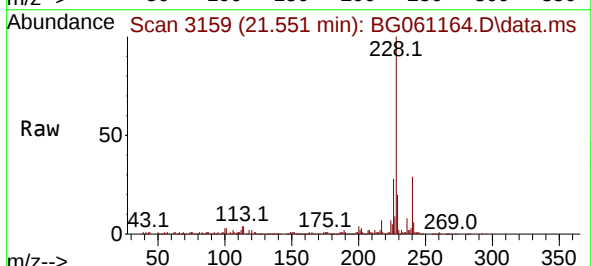
Tgt Ion:228 Resp: 229513

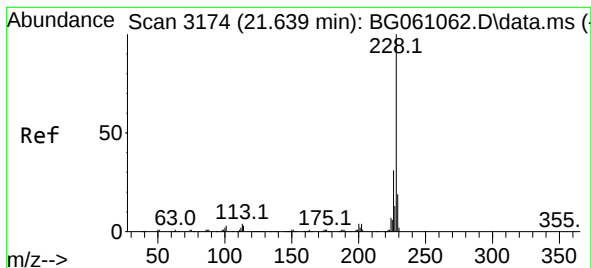
Ion Ratio Lower Upper

228 100

226 27.6 21.6 32.4

229 20.0 15.0 22.4





#83

Chrysene

Concen: 16.818 ng

RT: 21.610 min Scan# 31

Delta R.T. -0.029 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

Instrument :

BNA_G

ClientSampleId :

WCS-TP-D

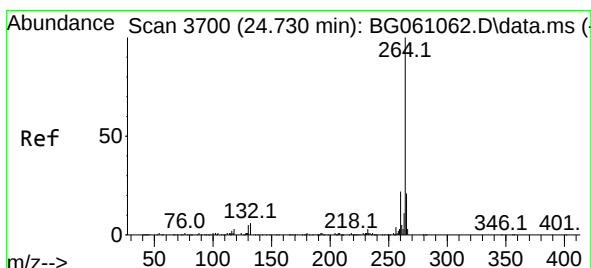
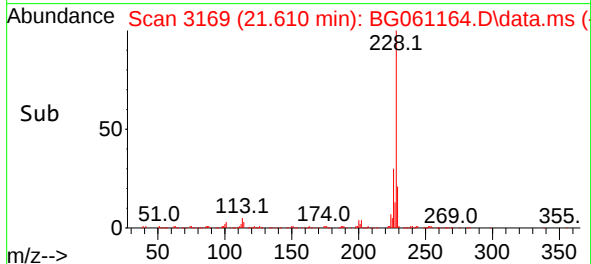
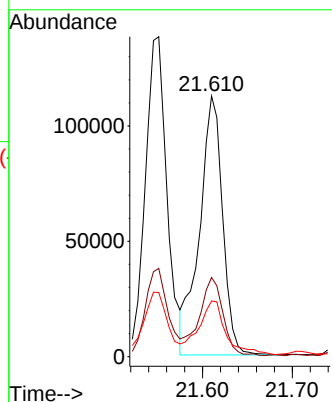
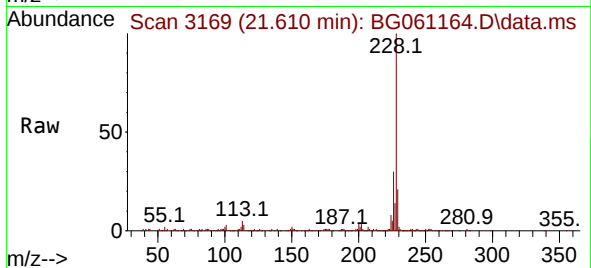
Tgt Ion:228 Resp: 200602

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

229 21.4 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.689 min Scan# 3693

Delta R.T. -0.041 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

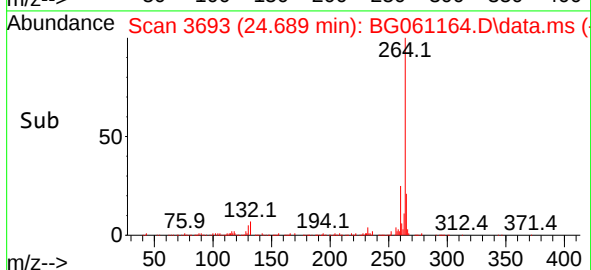
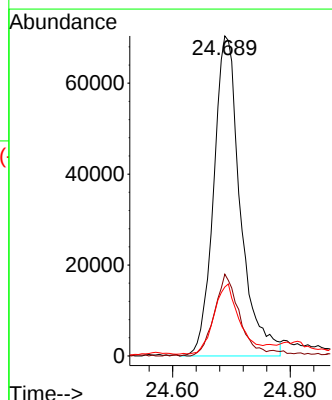
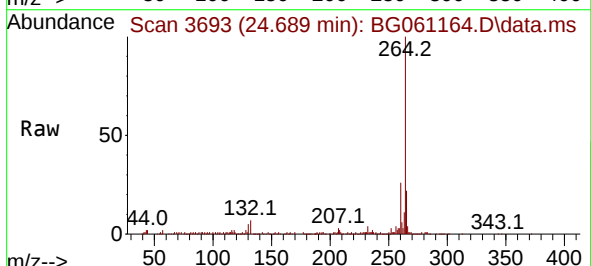
Tgt Ion:264 Resp: 221667

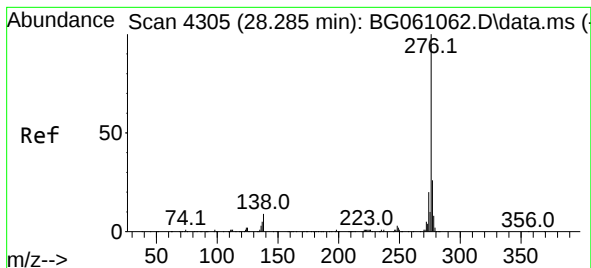
Ion Ratio Lower Upper

264 100

260 25.5 17.7 26.5

265 21.6 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.574 ng m

RT: 28.238 min Scan# 41

Delta R.T. -0.047 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

Instrument :

BNA_G

ClientSampleId :

WCS-TP-D

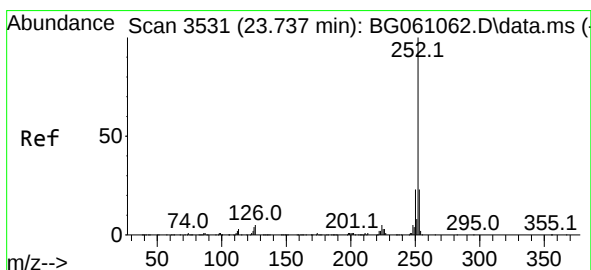
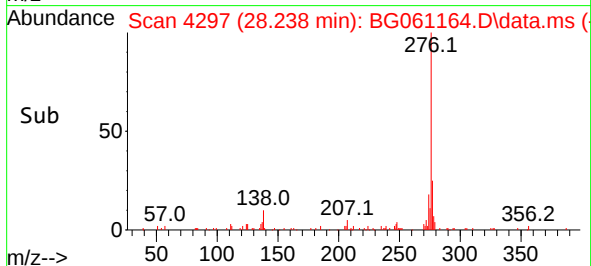
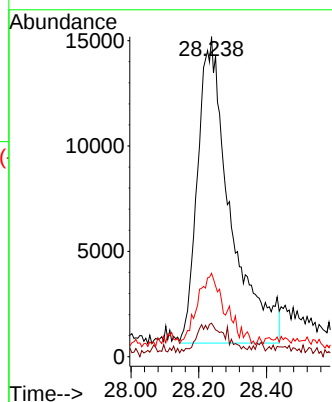
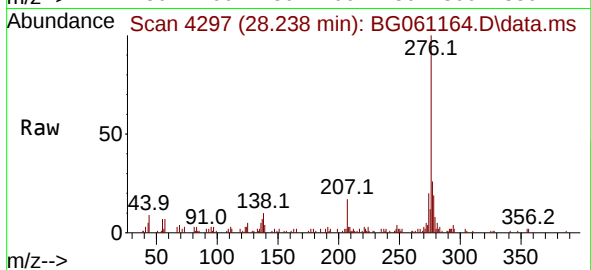
Tgt Ion:276 Resp: 96570

Ion Ratio Lower Upper

276 100

138 0.0 5.1 7.7#

277 15.9 20.6 30.8#



#88

Benzo(b)fluoranthene

Concen: 19.488 ng

RT: 23.702 min Scan# 3525

Delta R.T. -0.035 min

Lab File: BG061164.D

Acq: 10 May 2024 15:35

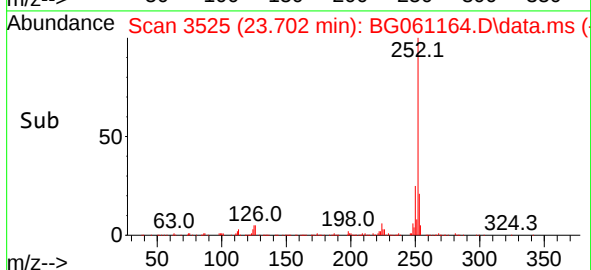
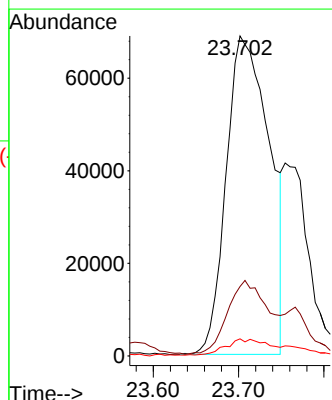
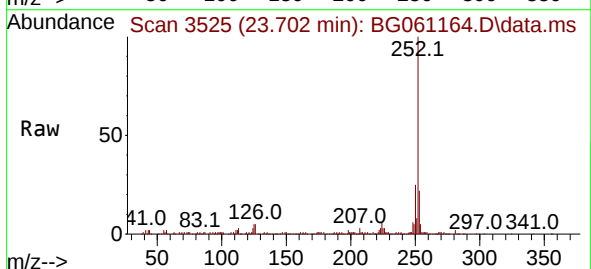
Tgt Ion:252 Resp: 241390

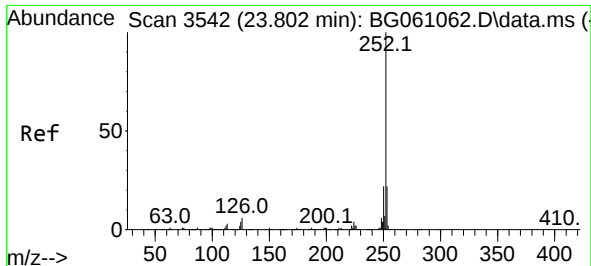
Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.2

125 5.3 3.4 5.0#

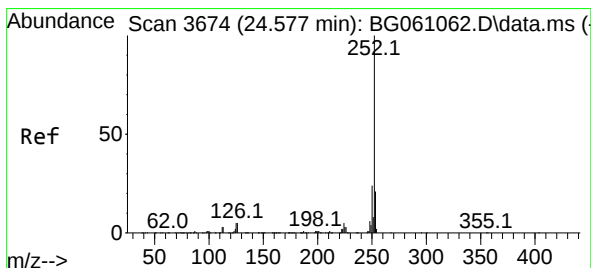
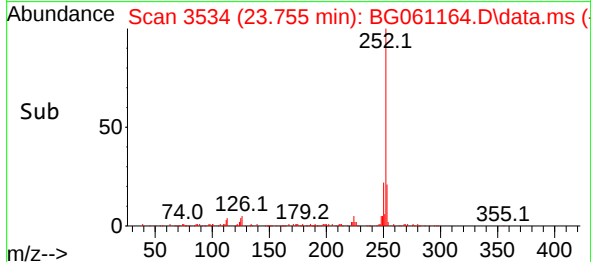
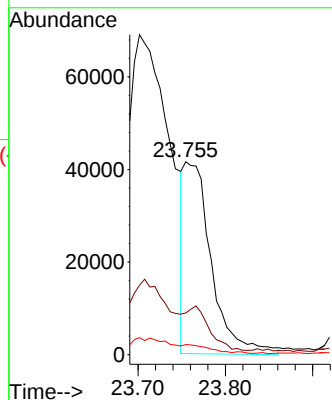
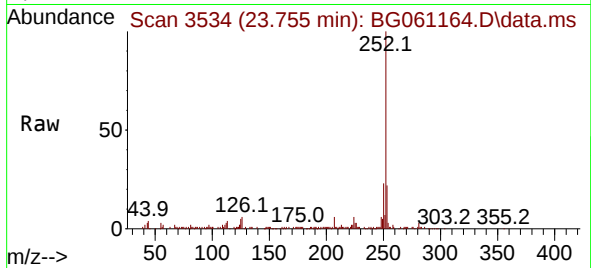




#89
Benzo(k)fluoranthene
Concen: 7.581 ng m
RT: 23.755 min Scan# 3
Delta R.T. -0.047 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

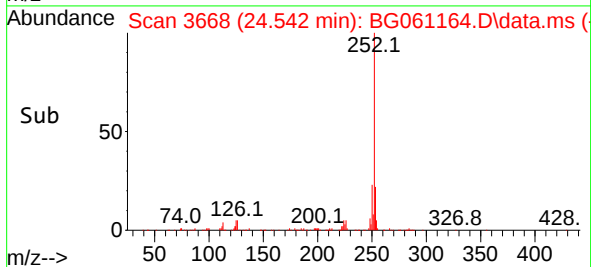
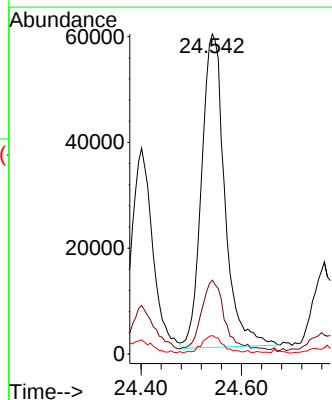
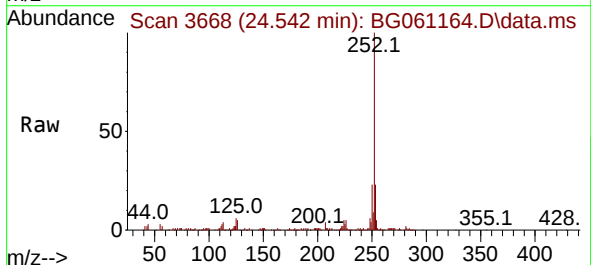
Instrument :
BNA_G
ClientSampleId :
WCS-TP-D

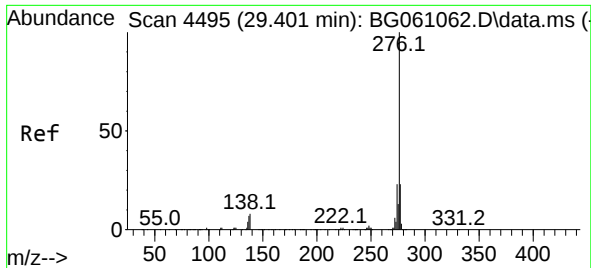
Tgt Ion:252 Resp: 90334
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 5.2 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 17.593 ng
RT: 24.542 min Scan# 3668
Delta R.T. -0.035 min
Lab File: BG061164.D
Acq: 10 May 2024 15:35

Tgt Ion:252 Resp: 189851
Ion Ratio Lower Upper
252 100
253 23.1 16.9 25.3
125 5.8 3.8 5.8





#92
 Benzo(g,h,i)perylene
 Concen: 6.838 ng m
 RT: 29.354 min Scan# 44
 Delta R.T. -0.047 min
 Lab File: BG061164.D
 Acq: 10 May 2024 15:35

Instrument :
 BNA_G
 ClientSampleId :
 WCS-TP-D

Tgt Ion:276 Resp: 82664
 Ion Ratio Lower Upper
 276 100
 277 19.3 18.2 27.4
 138 9.4 6.2 9.2#

