

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061083.D
 Acq On : 1 May 2024 19:32
 Operator : MA/JU
 Sample : P2326-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 05:36:41 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)

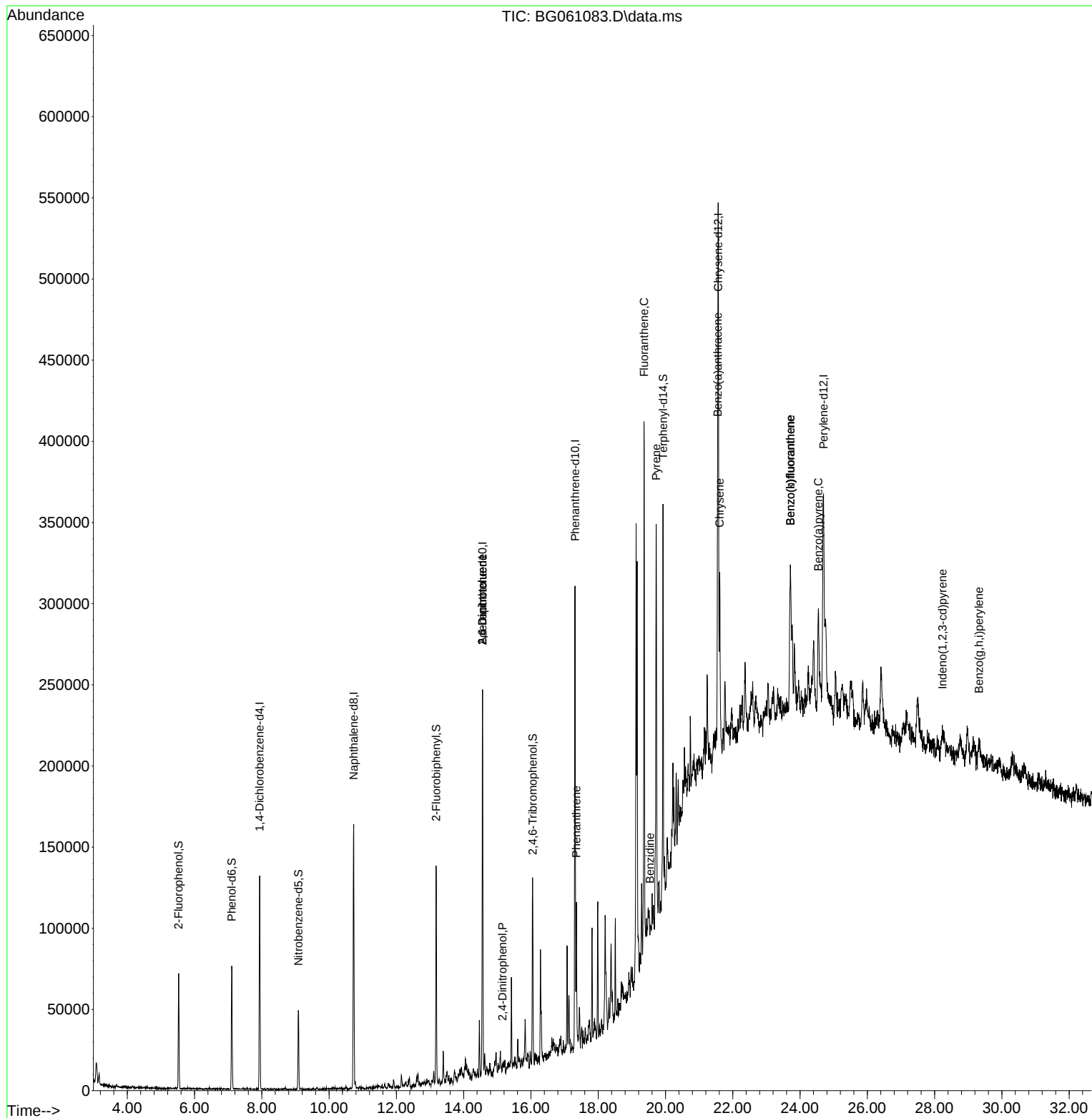
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	32933	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	126105	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	85390	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	188356	20.000	ng	-0.02
76) Chrysene-d12	21.566	240	187817	20.000	ng	-0.03
86) Perylene-d12	24.698	264	185324	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	25420	15.698	ng	-0.02
7) Phenol-d6	7.107	99	34075	14.225	ng	-0.03
23) Nitrobenzene-d5	9.087	82	25307	9.948	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	23395	13.707	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	66626	11.538	ng	-0.03
79) Terphenyl-d14	19.927	244	118707	10.512	ng	-0.03
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	14.563	165	11571	8.202	ng	# 17
54) 2,4-Dinitrophenol	15.156	184	59	2.265	ng	# 45
57) 2,4-Dinitrotoluene	14.563	165	11571	5.544	ng	# 18
71) Phenanthrene	17.353	178	55046	6.391	ng	97
75) Fluoranthene	19.363	202	171926	14.571	ng	99
77) Benzidine	19.545	184	105	2.823	ng	# 1
78) Pyrene	19.727	202	160629	13.452	ng	100
81) Benzo(a)anthracene	21.548	228	84694	6.891	ng	# 92
83) Chrysene	21.613	228	82453	7.161	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.235	276	32488	2.645	ng	# 56
88) Benzo(b)fluoranthene	23.717	252	118163	11.410	ng	96
89) Benzo(k)fluoranthene	23.717	252	118163	11.860	ng	# 93
90) Benzo(a)pyrene	24.539	252	80692	8.944	ng	# 86
92) Benzo(g,h,i)perylene	29.322	276	27946	2.765	ng	# 80

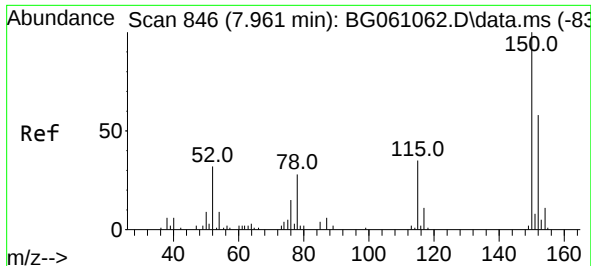
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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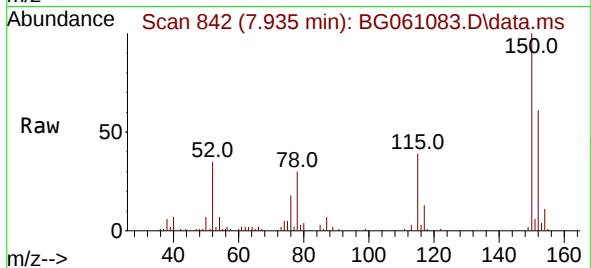
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration



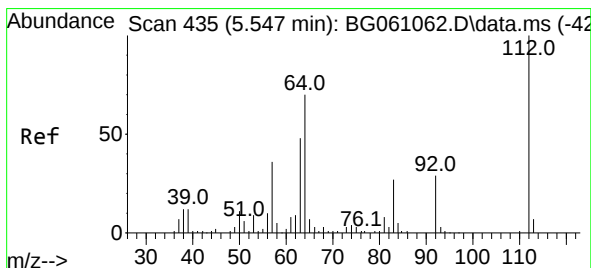
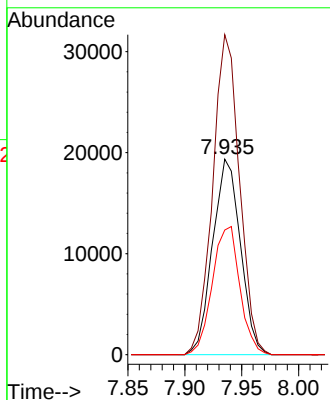
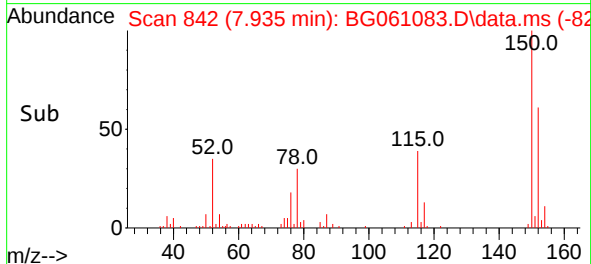


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :
BNA_G
ClientSampleId :

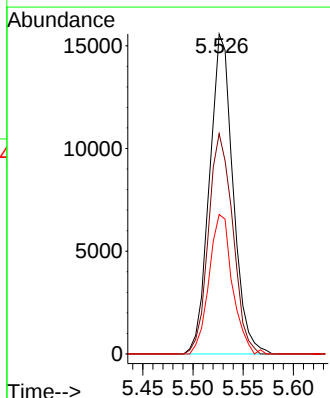
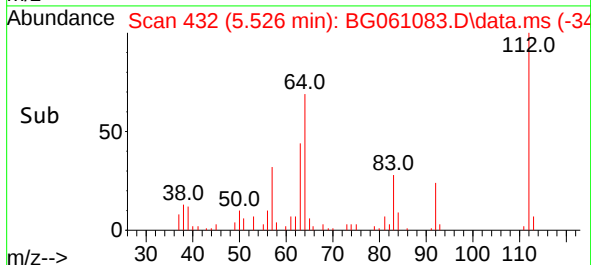
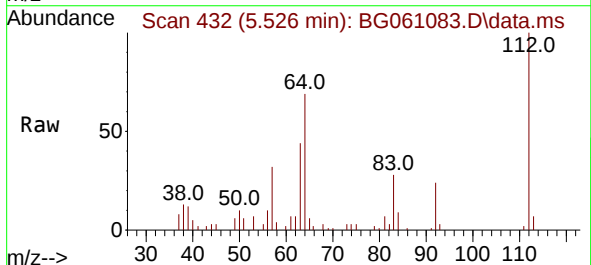


Tgt Ion:152 Resp: 32933
Ion Ratio Lower Upper
152 100
150 163.6 138.3 207.5
115 63.8 48.0 72.0



#5
2-Fluorophenol
Concen: 15.698 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

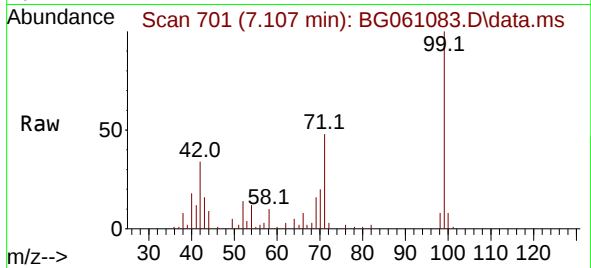
Tgt Ion:112 Resp: 25420
Ion Ratio Lower Upper
112 100
64 68.8 55.7 83.5
63 43.6 38.1 57.1



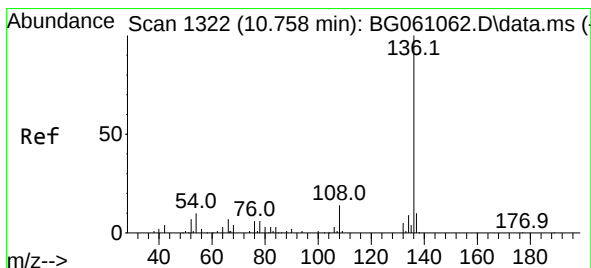
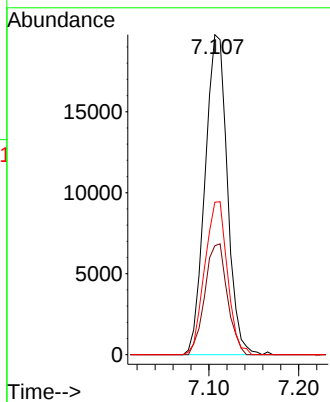
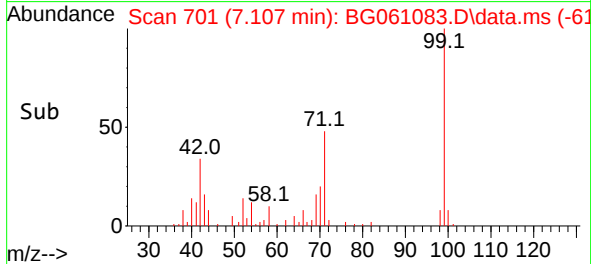


#7
Phenol-d6
Concen: 14.225 ng
RT: 7.107 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

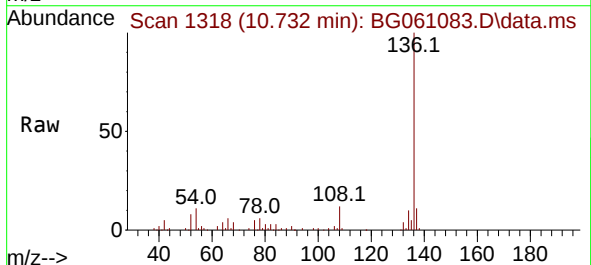
Instrument :
BNA_G
ClientSampleId :



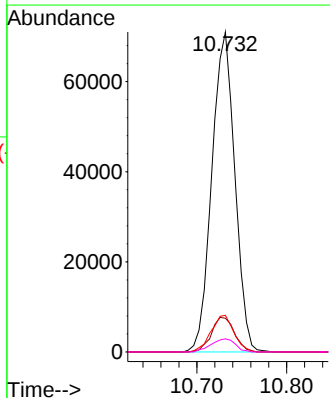
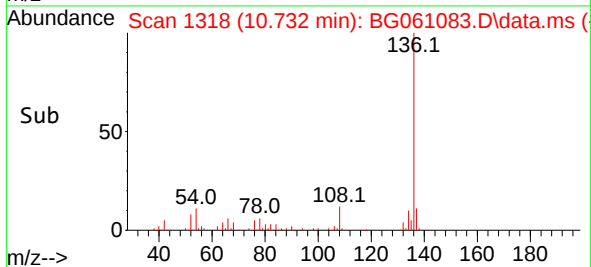
Tgt Ion: 99 Resp: 34075
Ion Ratio Lower Upper
99 100
42 34.0 29.2 43.8
71 47.6 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32



Tgt Ion:136 Resp: 126105
Ion Ratio Lower Upper
136 100
137 10.5 7.8 11.6
54 11.5 8.1 12.1
68 4.1 3.0 4.4





#23

Nitrobenzene-d5

Concen: 9.948 ng

RT: 9.087 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

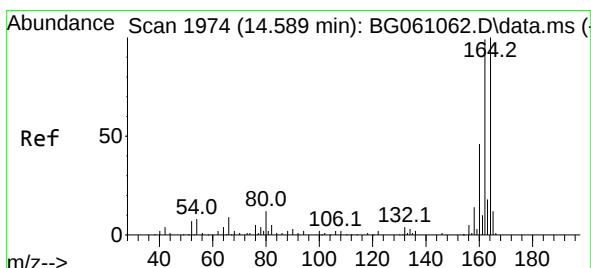
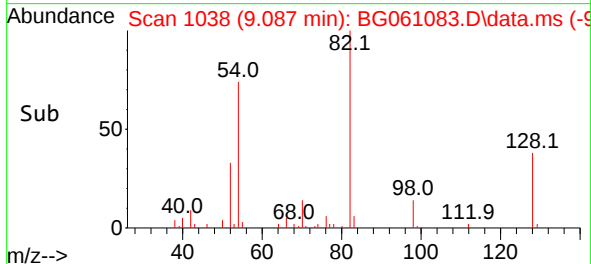
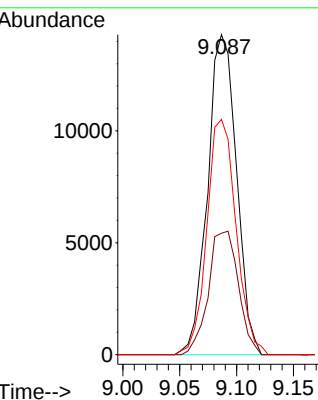
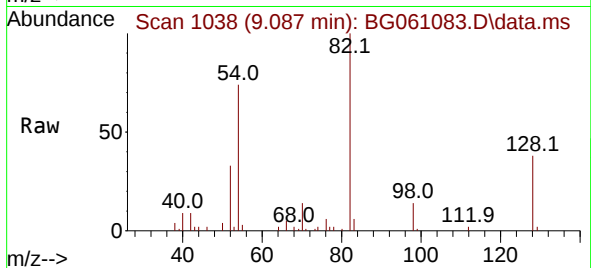
Tgt Ion: 82 Resp: 25307

Ion Ratio Lower Upper

82 100

128 38.0 32.7 49.1

54 73.5 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: BG061083.D

Acq: 1 May 2024 19:32

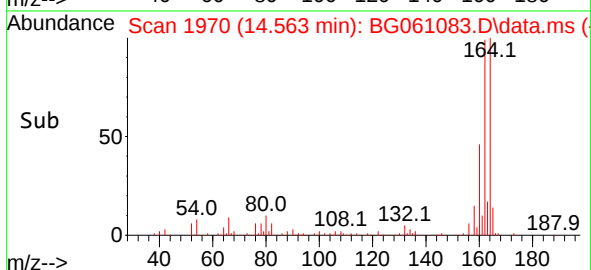
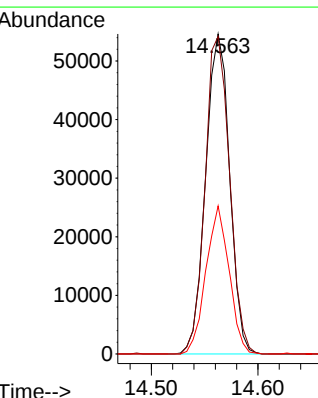
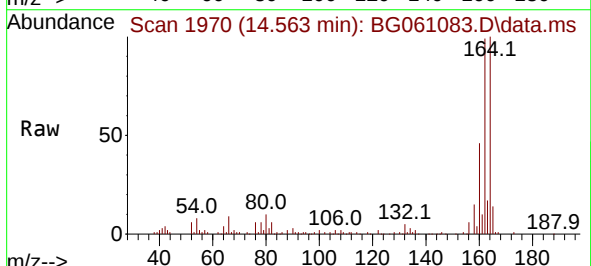
Tgt Ion:164 Resp: 85390

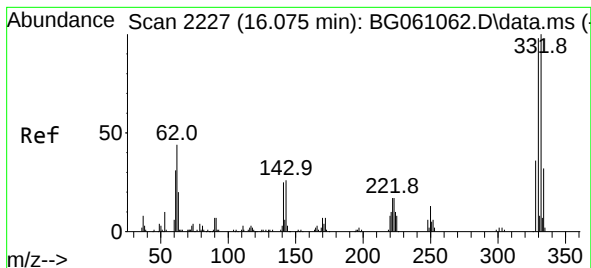
Ion Ratio Lower Upper

164 100

162 99.2 79.4 119.2

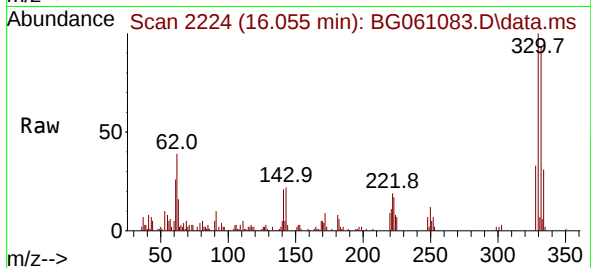
160 46.2 37.0 55.6



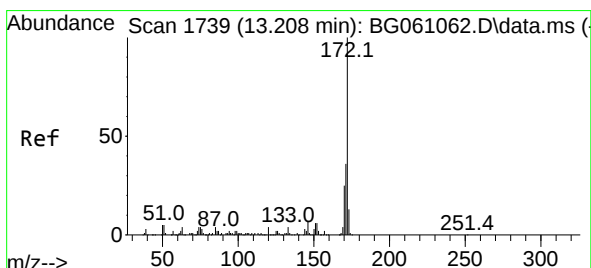
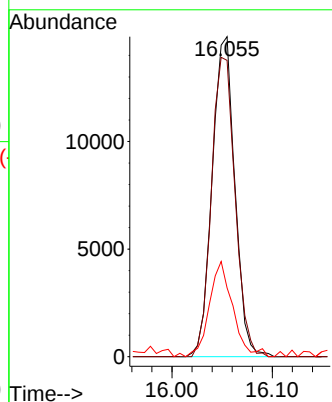
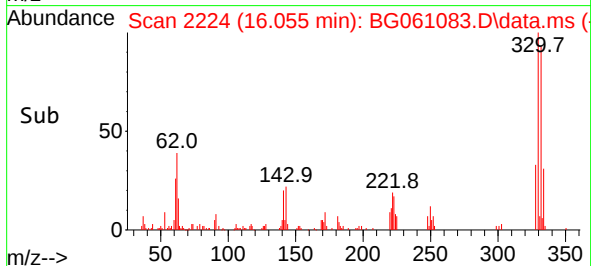


#42
2,4,6-Tribromophenol
Concen: 13.707 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

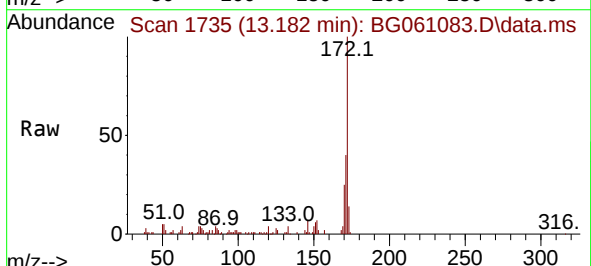
Instrument :
BNA_G
ClientSampleId :



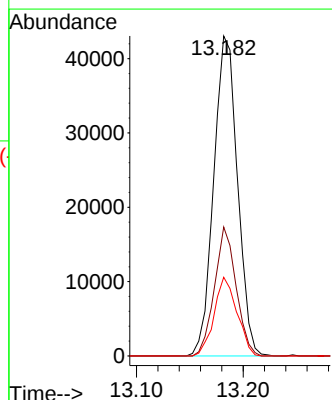
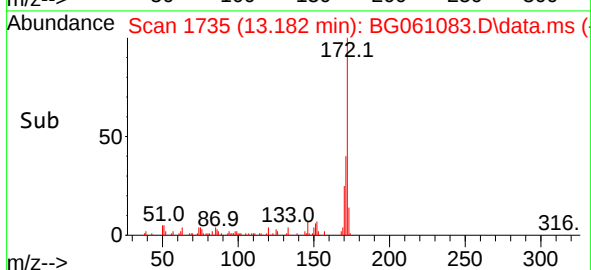
Tgt Ion:330 Resp: 23395
Ion Ratio Lower Upper
330 100
332 97.2 78.6 117.8
141 30.5 20.5 30.7

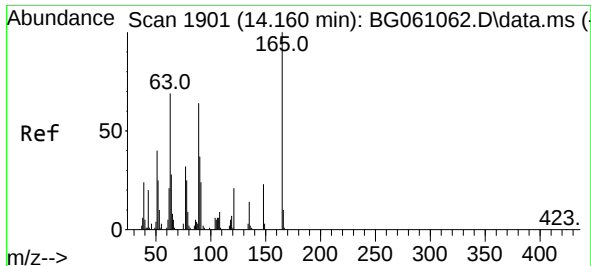


#45
2-Fluorobiphenyl
Concen: 11.538 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32



Tgt Ion:172 Resp: 66626
Ion Ratio Lower Upper
172 100
171 40.3 29.0 43.6
170 24.6 20.2 30.4

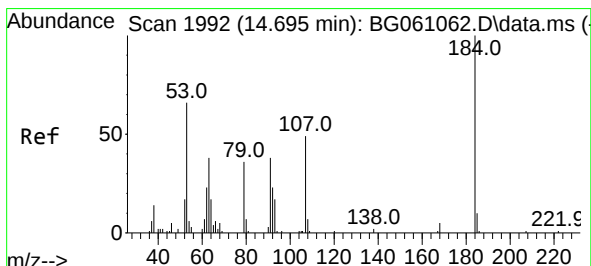
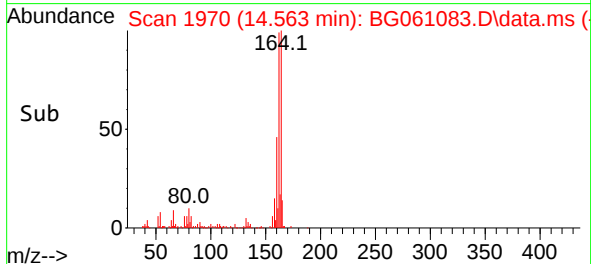
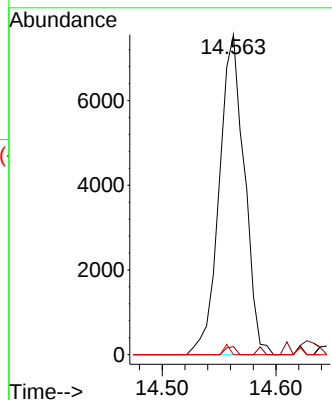
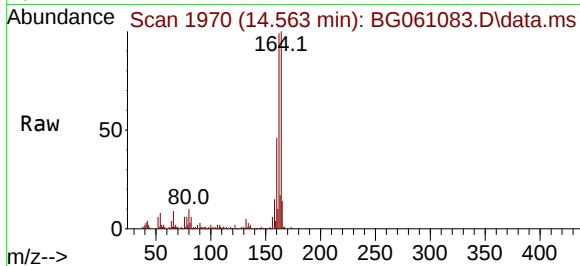




#51
2,6-Dinitrotoluene
Concen: 8.202 ng
RT: 14.563 min Scan# 1901
Delta R.T. 0.403 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

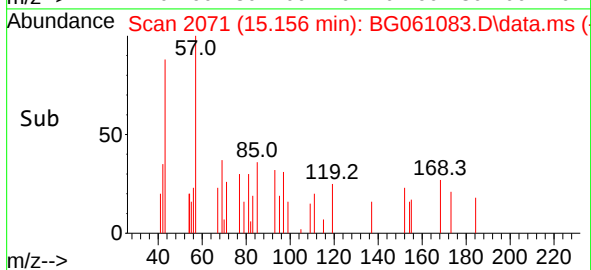
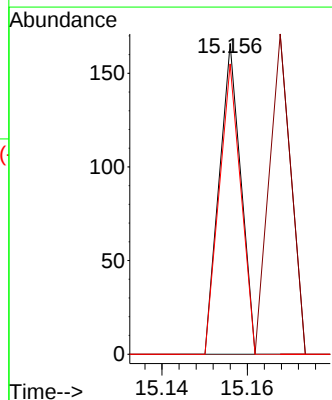
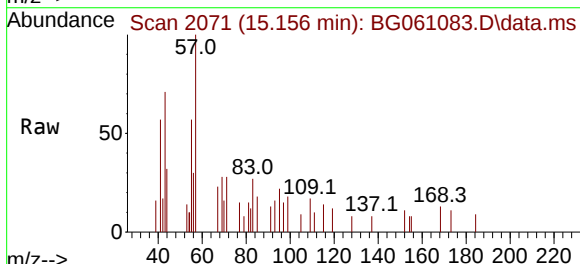
Instrument :
BNA_G
ClientSampleId :

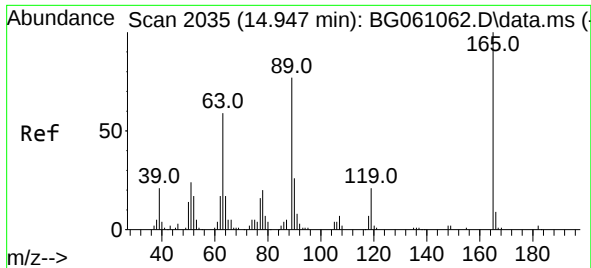
Tgt Ion:165 Resp: 11571
Ion Ratio Lower Upper
165 100
63 2.5 60.0 90.0#
89 0.0 50.9 76.3#



#54
2,4-Dinitrophenol
Concen: 2.265 ng
RT: 15.156 min Scan# 2071
Delta R.T. 0.461 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

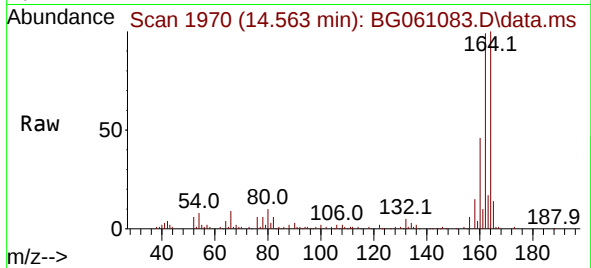
Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 62.6 93.8#
154 93.4 61.4 92.0#



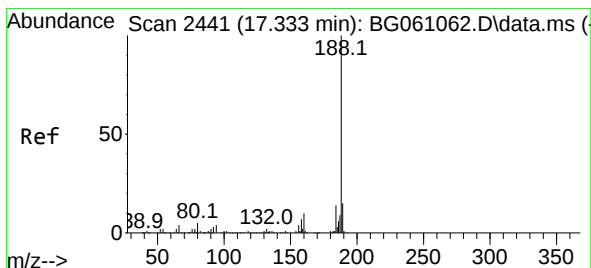
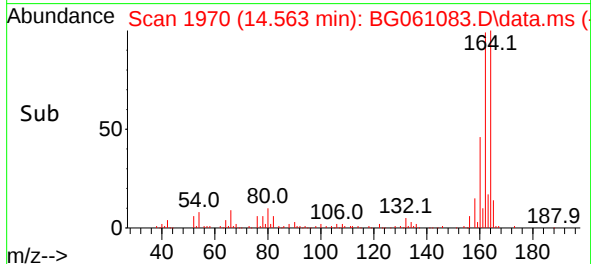
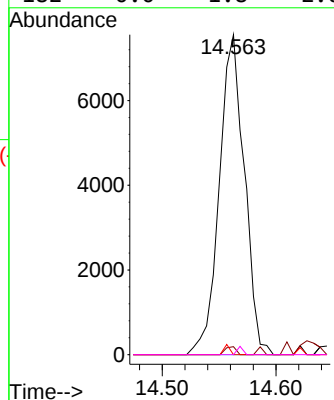


#57
2,4-Dinitrotoluene
Concen: 5.544 ng
RT: 14.563 min Scan# 14
Delta R.T. -0.385 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :
BNA_G
ClientSampleId :

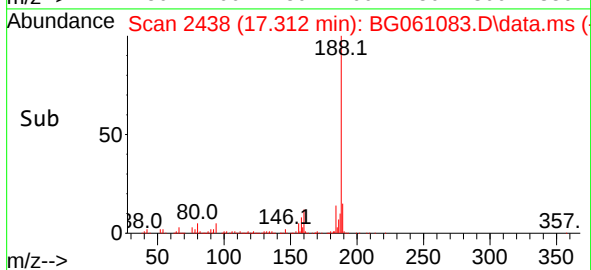
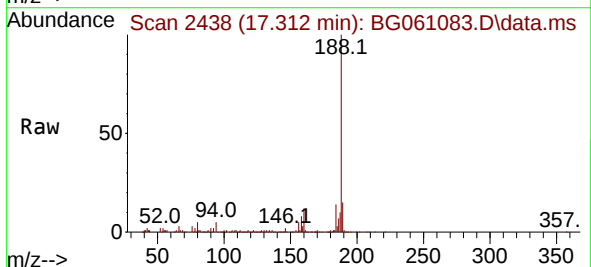
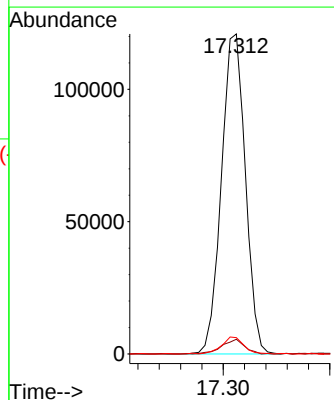


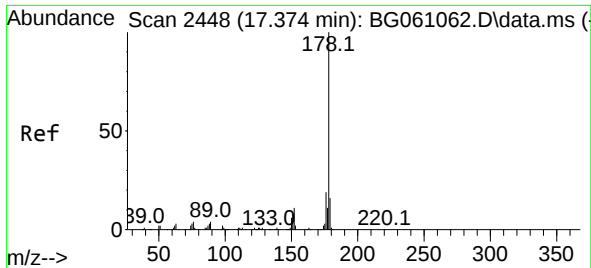
Tgt Ion:165 Resp: 11571
Ion Ratio Lower Upper
165 100
63 2.5 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.020 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Tgt Ion:188 Resp: 188356
Ion Ratio Lower Upper
188 100
94 4.6 3.6 5.4
80 5.1 4.2 6.2

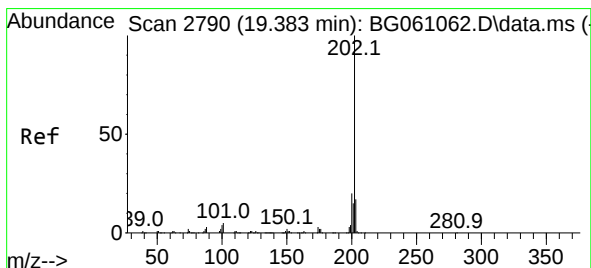
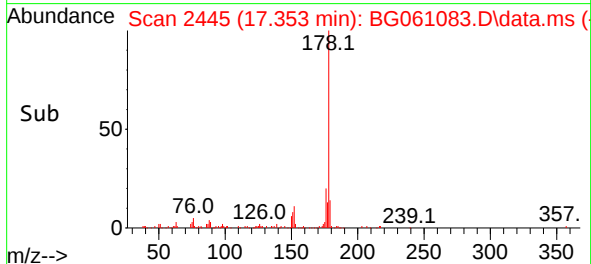
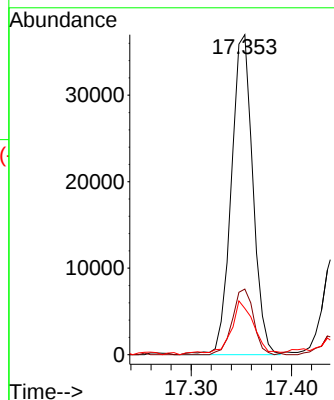
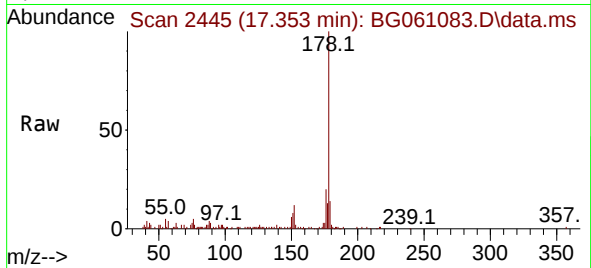




#71
Phenanthrene
Concen: 6.391 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.020 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

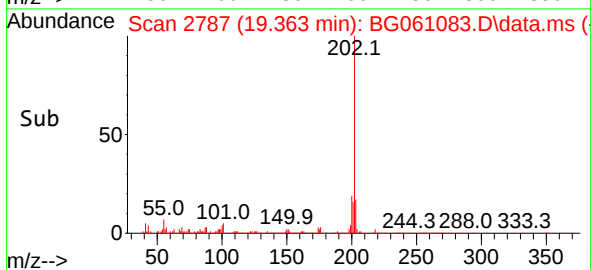
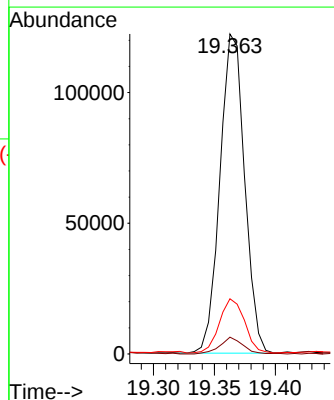
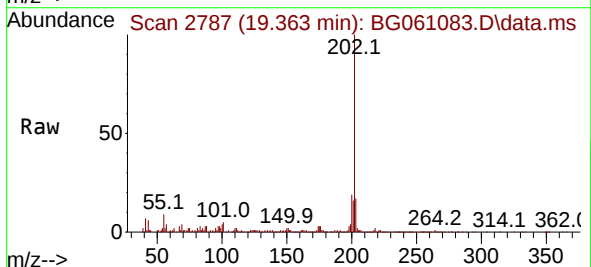
Instrument :
BNA_G
ClientSampleId :

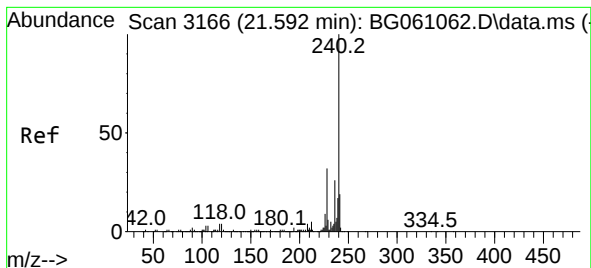
Tgt Ion:178 Resp: 55046
Ion Ratio Lower Upper
178 100
176 20.5 15.5 23.3
179 14.4 12.6 19.0



#75
Fluoranthene
Concen: 14.571 ng
RT: 19.363 min Scan# 2787
Delta R.T. -0.021 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Tgt Ion:202 Resp: 171926
Ion Ratio Lower Upper
202 100
101 5.3 0.0 24.7
203 17.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 31

Delta R.T. -0.026 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

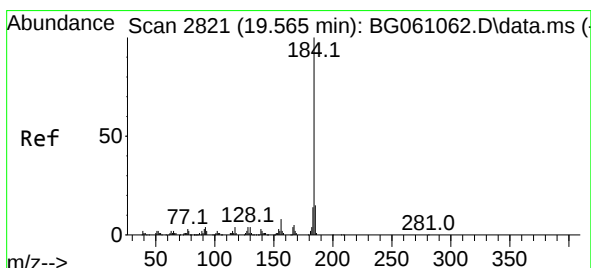
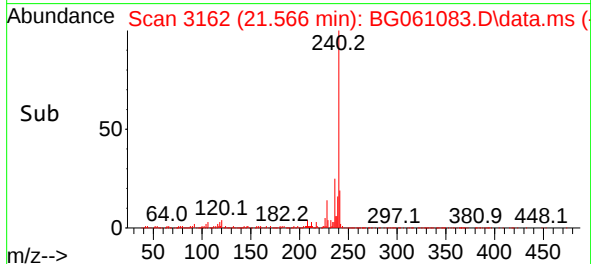
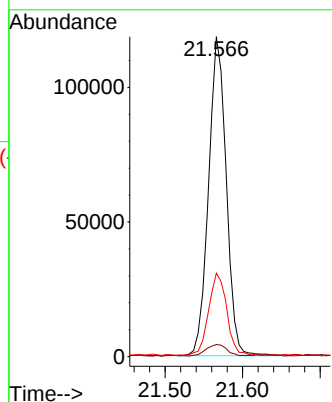
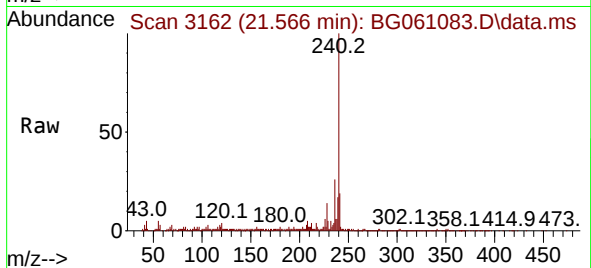
Tgt Ion:240 Resp: 187817

Ion Ratio Lower Upper

240 100

120 3.8 3.2 4.8

236 26.1 21.0 31.6



#77

Benzidine

Concen: 2.823 ng

RT: 19.545 min Scan# 2818

Delta R.T. -0.020 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

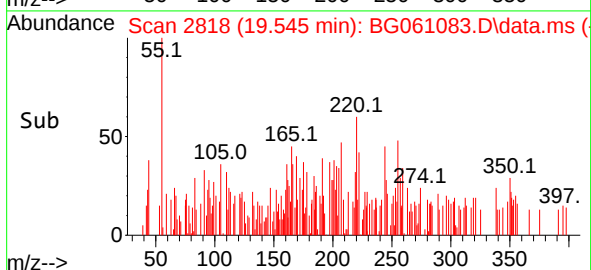
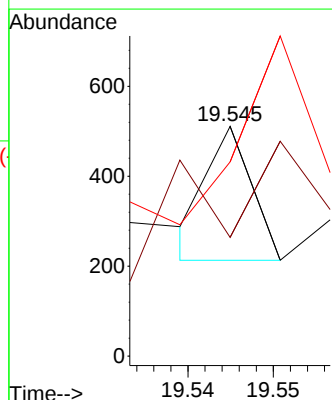
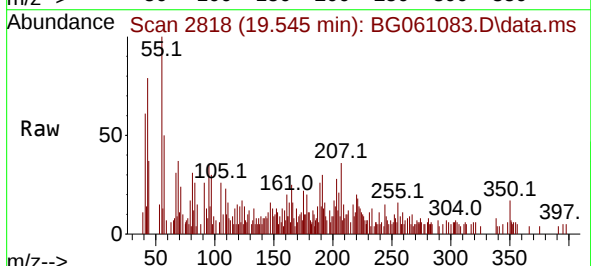
Tgt Ion:184 Resp: 105

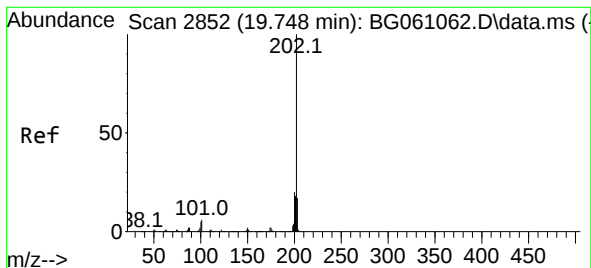
Ion Ratio Lower Upper

184 100

185 51.7 12.0 18.0#

183 84.5 10.9 16.3#





#78

Pyrene

Concen: 13.452 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

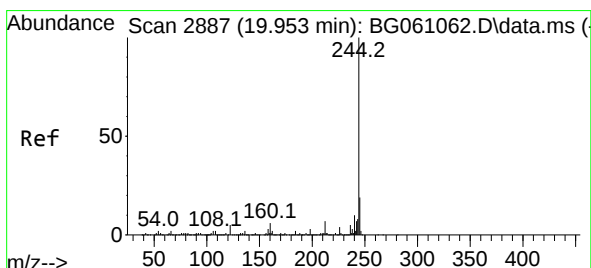
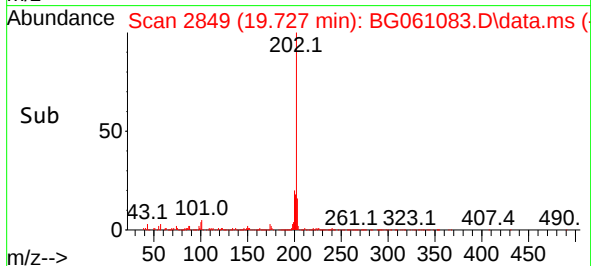
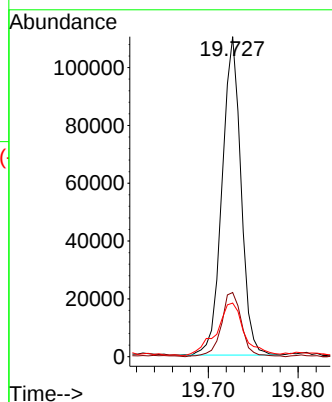
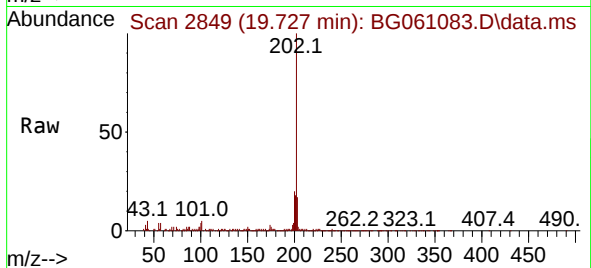
Tgt Ion:202 Resp: 160629

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.4

203 16.8 13.3 19.9



#79

Terphenyl-d14

Concen: 10.512 ng

RT: 19.927 min Scan# 2883

Delta R.T. -0.026 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

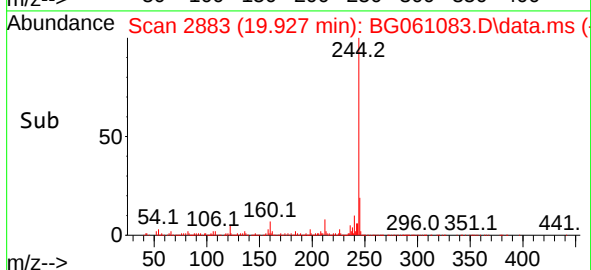
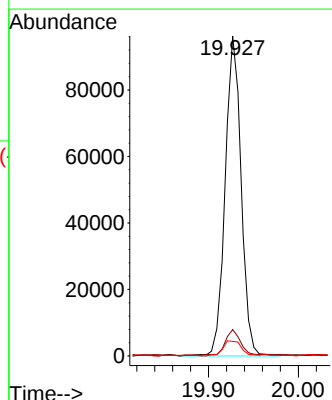
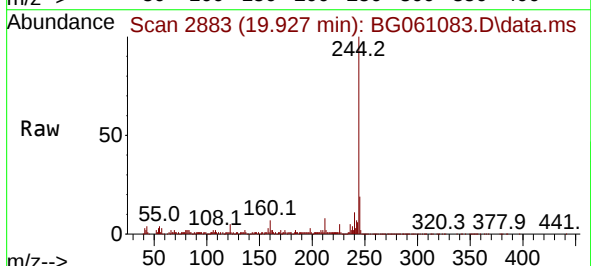
Tgt Ion:244 Resp: 118707

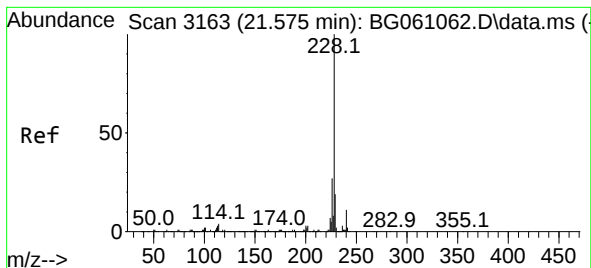
Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

122 4.6 4.2 6.2





#81

Benzo(a)anthracene

Concen: 6.891 ng

RT: 21.548 min Scan# 31

Delta R.T. -0.026 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

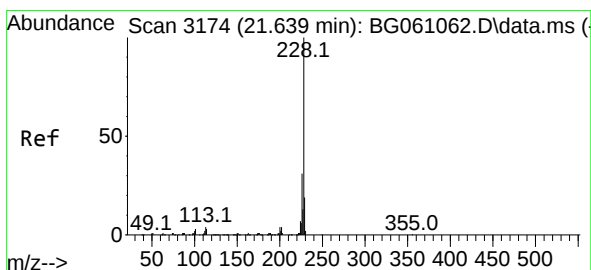
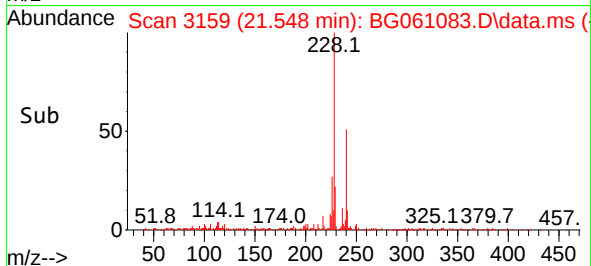
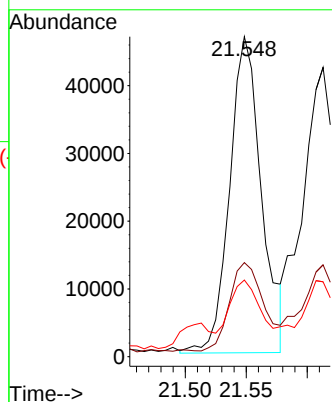
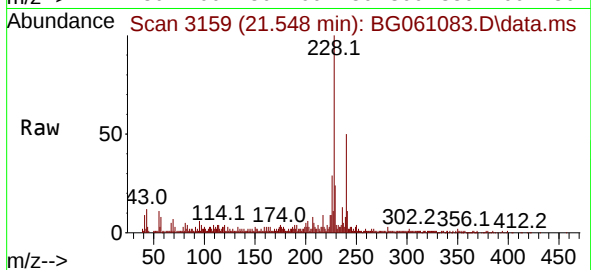
Tgt Ion:228 Resp: 84694

Ion Ratio Lower Upper

228 100

226 29.4 21.6 32.4

229 24.0 15.0 22.4#



#83

Chrysene

Concen: 7.161 ng

RT: 21.613 min Scan# 3170

Delta R.T. -0.026 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

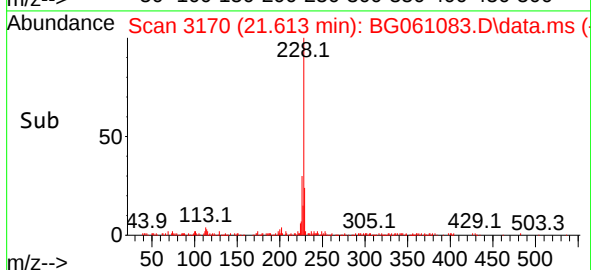
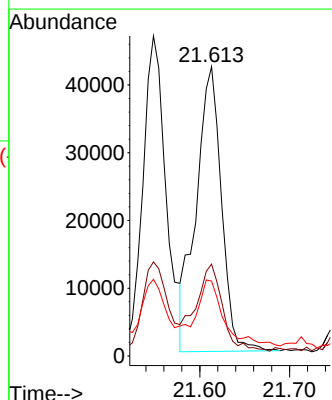
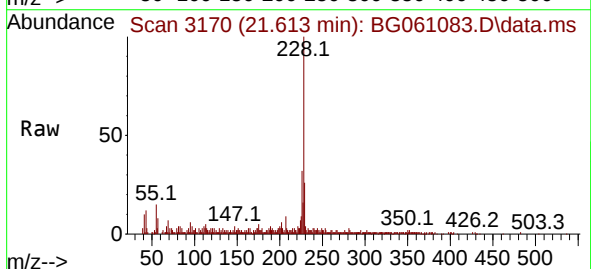
Tgt Ion:228 Resp: 82453

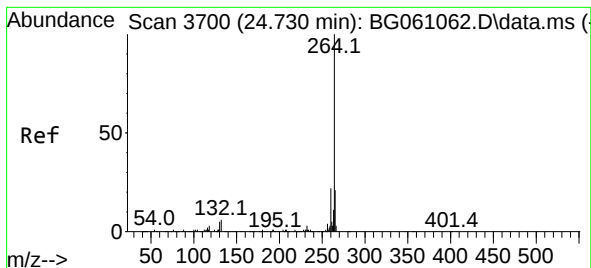
Ion Ratio Lower Upper

228 100

226 31.7 24.4 36.6

229 25.9 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.698 min Scan# 3

Delta R.T. -0.032 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

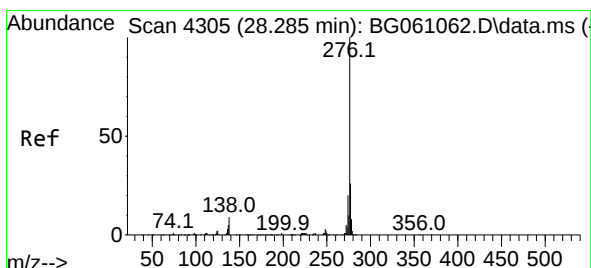
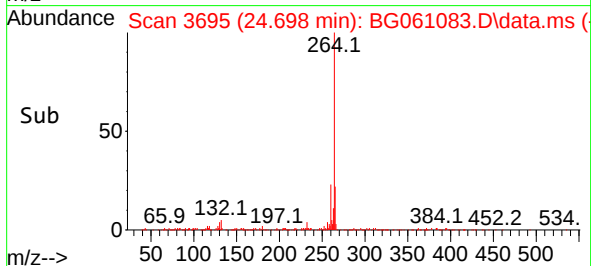
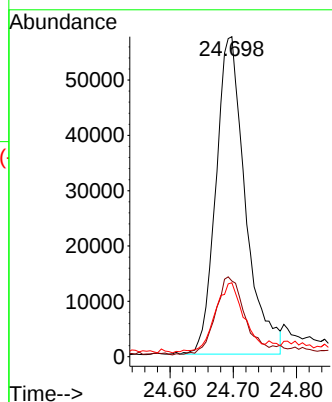
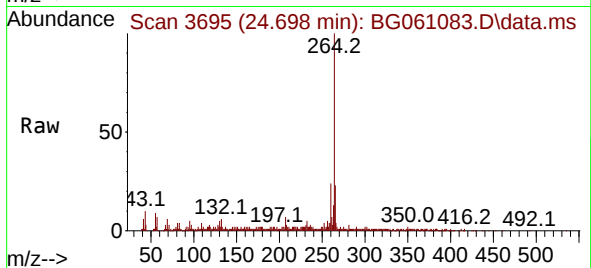
Tgt Ion:264 Resp: 185324

Ion Ratio Lower Upper

264 100

260 23.7 17.7 26.5

265 23.1 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.645 ng

RT: 28.235 min Scan# 4297

Delta R.T. -0.050 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

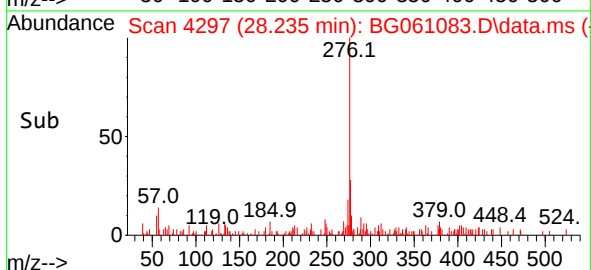
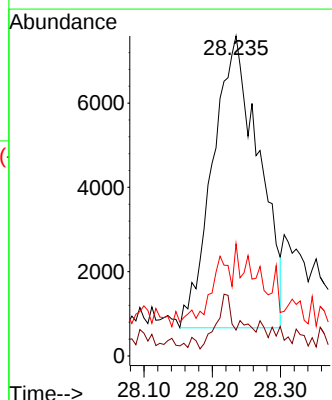
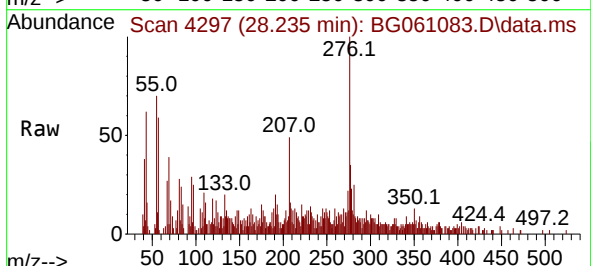
Tgt Ion:276 Resp: 32488

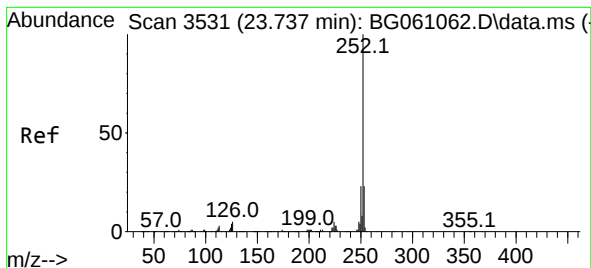
Ion Ratio Lower Upper

276 100

138 0.0 5.1 7.7#

277 0.0 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 11.410 ng

RT: 23.717 min Scan# 3528

Delta R.T. -0.020 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

Instrument :

BNA_G

ClientSampleId :

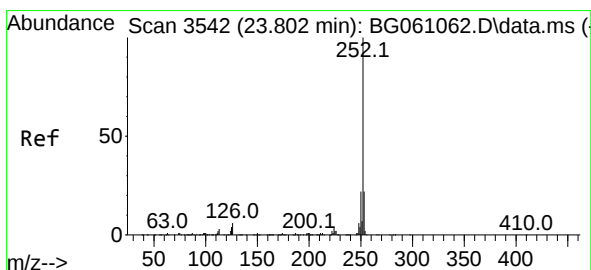
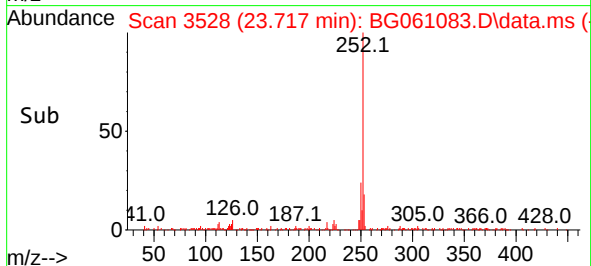
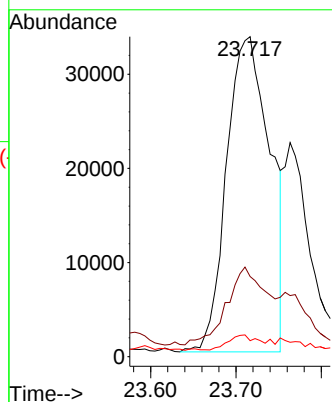
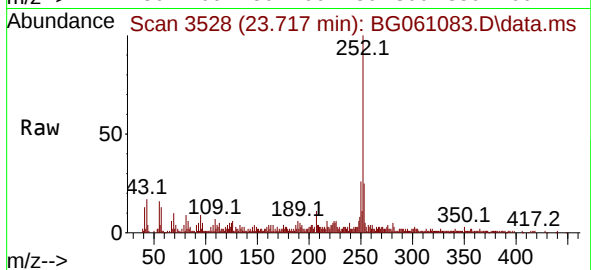
Tgt Ion:252 Resp: 118163

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.2

125 5.0 3.4 5.0



#89

Benzo(k)fluoranthene

Concen: 11.860 ng

RT: 23.717 min Scan# 3528

Delta R.T. -0.085 min

Lab File: BG061083.D

Acq: 1 May 2024 19:32

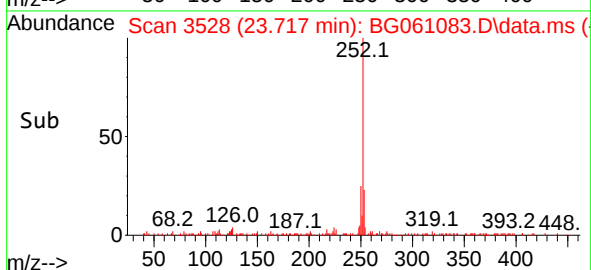
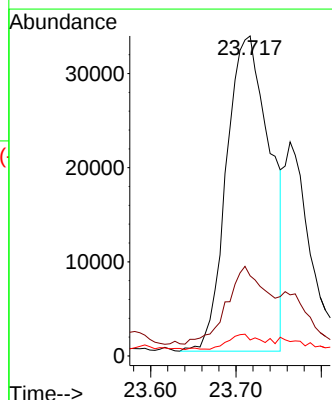
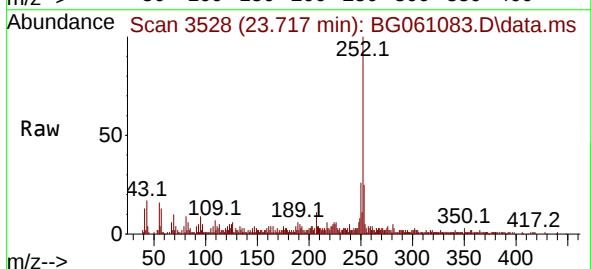
Tgt Ion:252 Resp: 118163

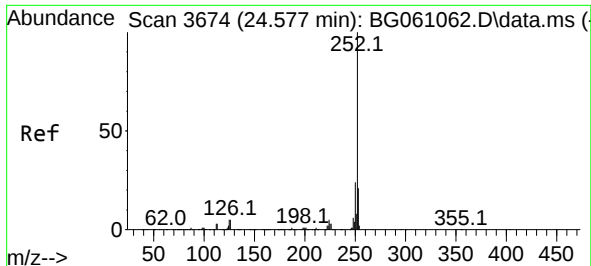
Ion Ratio Lower Upper

252 100

253 25.0 17.3 25.9

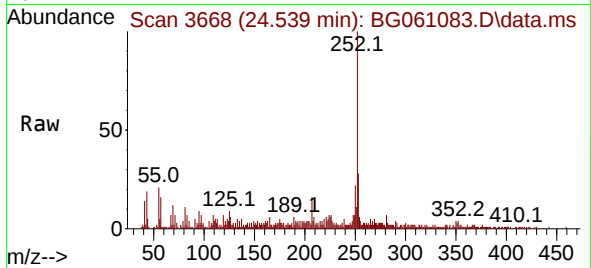
125 5.0 3.2 4.8#



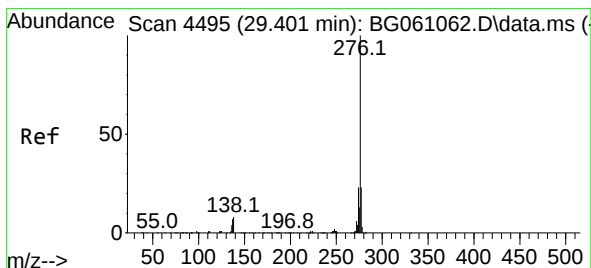
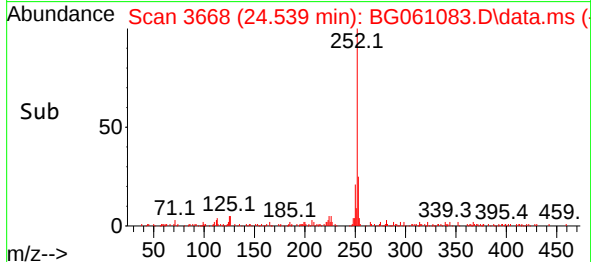
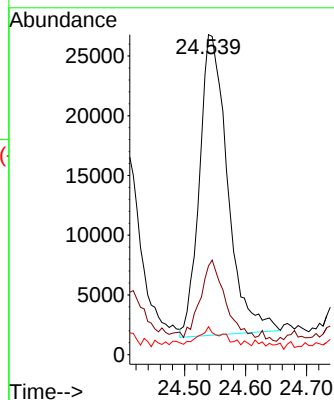


#90
Benzo(a)pyrene
Concen: 8.944 ng
RT: 24.539 min Scan# 30
Delta R.T. -0.038 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:252 Resp: 80692
Ion Ratio Lower Upper
252 100
253 27.8 16.9 25.3#
125 8.7 3.8 5.8#



#92
Benzo(g,h,i)perylene
Concen: 2.765 ng
RT: 29.322 min Scan# 4482
Delta R.T. -0.079 min
Lab File: BG061083.D
Acq: 1 May 2024 19:32

Tgt Ion:276 Resp: 27946
Ion Ratio Lower Upper
276 100
277 33.1 18.2 27.4#
138 13.0 6.2 9.2#

