

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061127.D
 Acq On : 6 May 2024 19:35
 Operator : MA/JU
 Sample : P2386-03 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-050324-B

Quant Time: May 07 01:33:12 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)

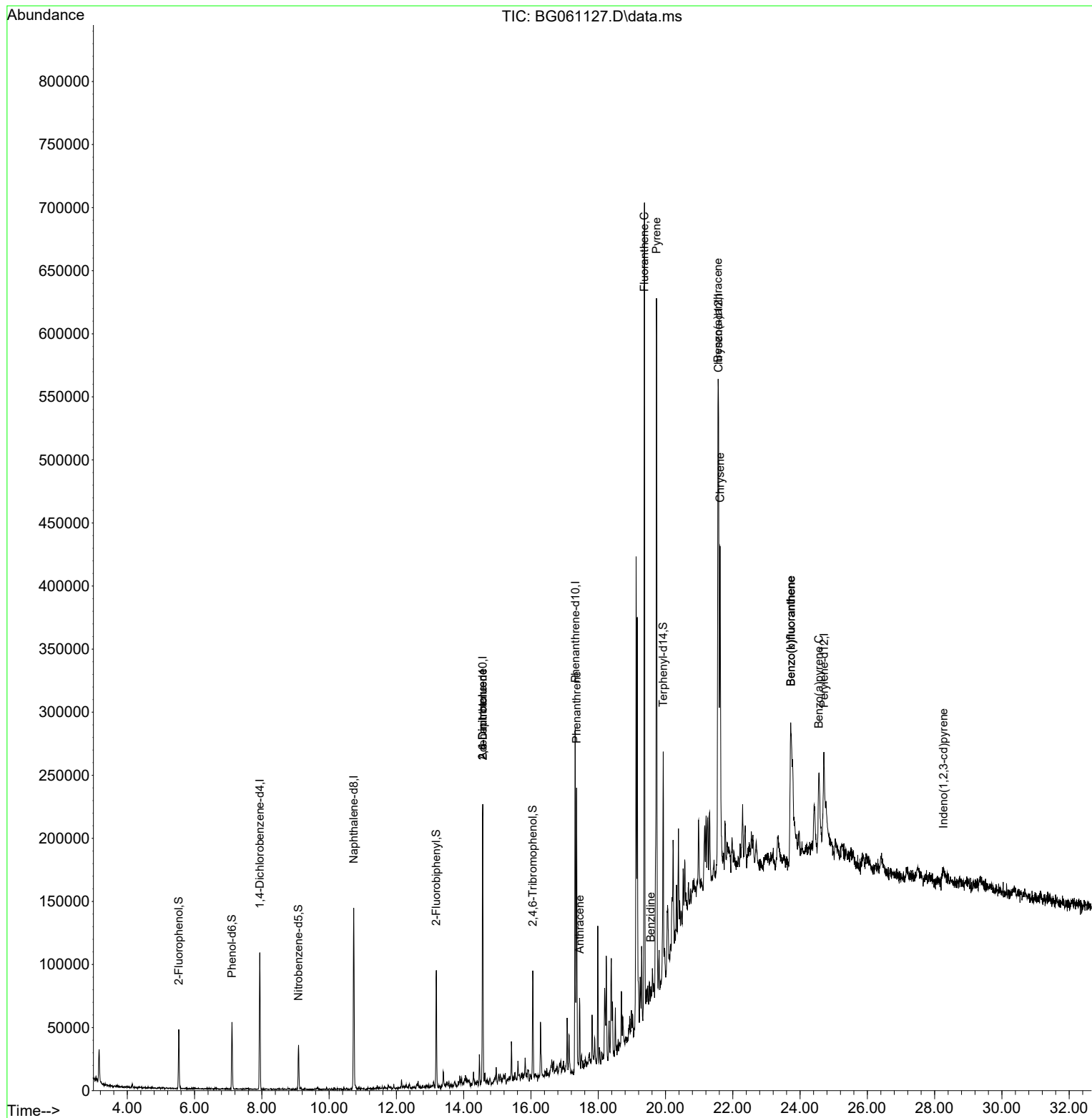
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	29389	20.000	ng	-0.02
21) Naphthalene-d8	10.731	136	109533	20.000	ng	-0.03
39) Acenaphthene-d10	14.567	164	81486	20.000	ng	-0.02
64) Phenanthrene-d10	17.317	188	176671	20.000	ng	-0.02
76) Chrysene-d12	21.577	240	171563	20.000	ng	-0.02
86) Perylene-d12	24.709	264	110760	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	18296	12.661	ng	-0.02
7) Phenol-d6	7.112	99	24010	11.232	ng	-0.02
23) Nitrobenzene-d5	9.092	82	17563	7.949	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	16966	10.416	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	47334	8.590	ng	-0.02
79) Terphenyl-d14	19.932	244	85222	8.261	ng	-0.02
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.567	165	11422	8.484	ng	# 15
57) 2,4-Dinitrotoluene	14.567	165	11422	5.735	ng	# 17
71) Phenanthrene	17.358	178	141126	17.470	ng	98
72) Anthracene	17.446	178	34848	4.323	ng	97
75) Fluoranthene	19.374	202	406064	36.692	ng	99
77) Benzidine	19.562	184	1199	3.141	ng	# 1
78) Pyrene	19.732	202	398671	36.551	ng	99
81) Benzo(a)anthracene	21.559	228	238339	21.230	ng	96
83) Chrysene	21.624	228	224200	21.315	ng	97
87) Indeno(1,2,3-cd)pyrene	28.263	276	22757	3.100	ng	# 62
88) Benzo(b)fluoranthene	23.727	252	161339	26.067	ng	# 95
89) Benzo(k)fluoranthene	23.727	252	161339	27.096	ng	# 93
90) Benzo(a)pyrene	24.556	252	112447	20.854	ng	# 92

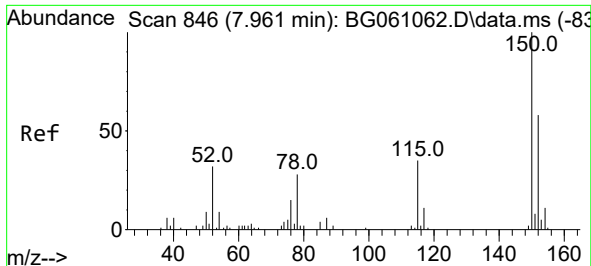
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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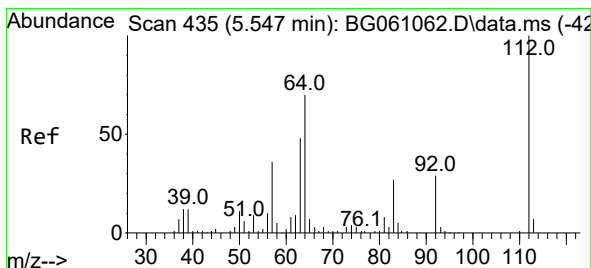
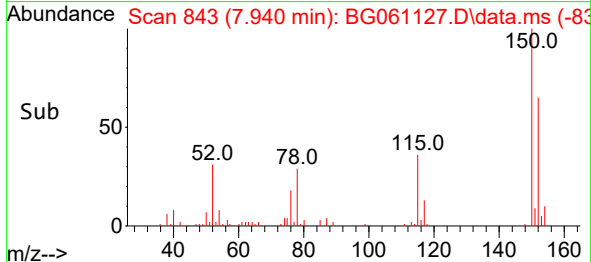
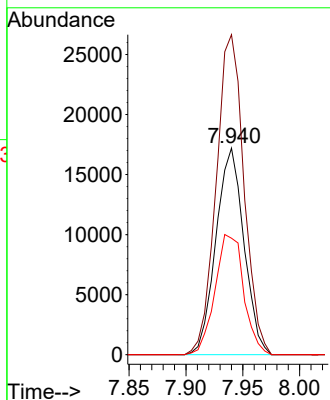
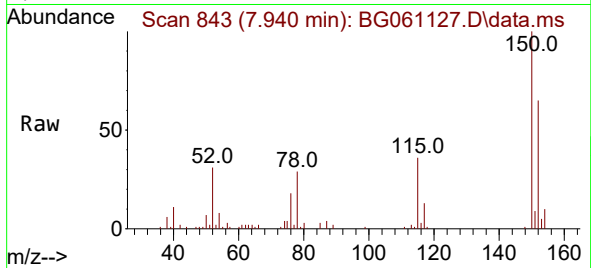




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.940 min Scan# 846
Delta R.T. -0.021 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

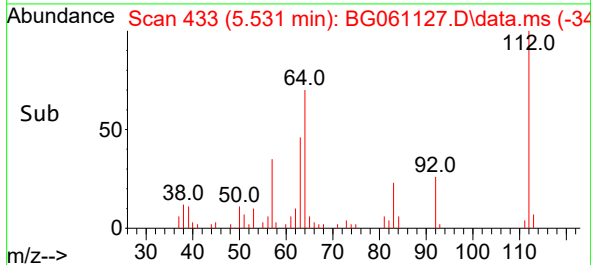
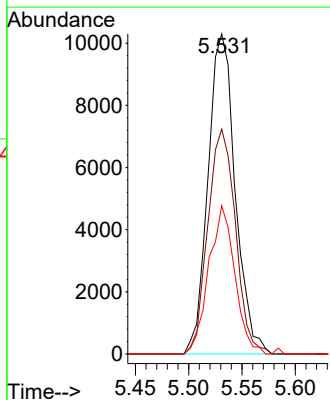
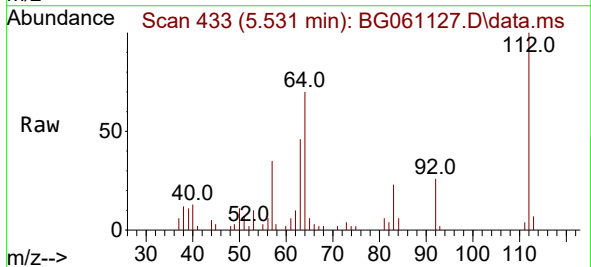
Instrument :
BNA_G
ClientSampleId :
EO-01-050324-B

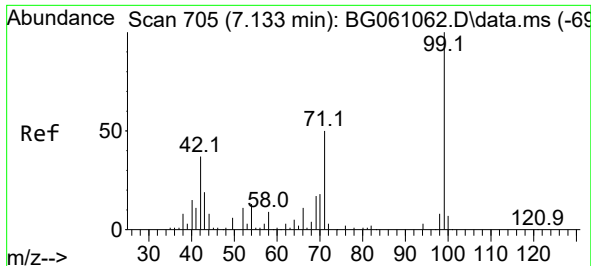
Tgt Ion:152 Resp: 29389
Ion Ratio Lower Upper
152 100
150 154.9 138.3 207.5
115 56.4 48.0 72.0



#5
2-Fluorophenol
Concen: 12.661 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.016 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Tgt Ion:112 Resp: 18296
Ion Ratio Lower Upper
112 100
64 70.3 55.7 83.5
63 46.4 38.1 57.1

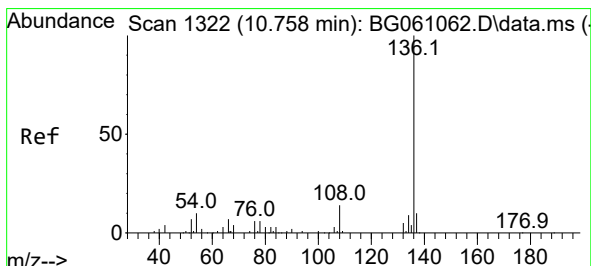
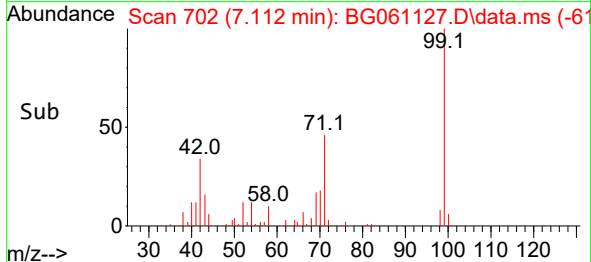
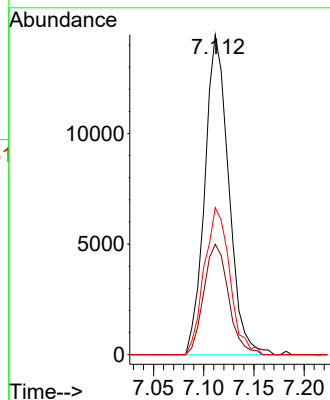
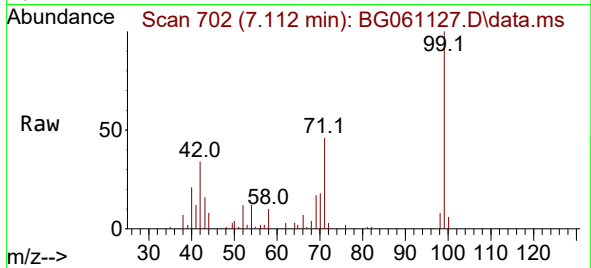




#7
Phenol-d6
Concen: 11.232 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

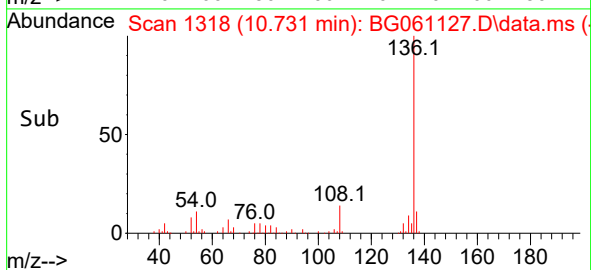
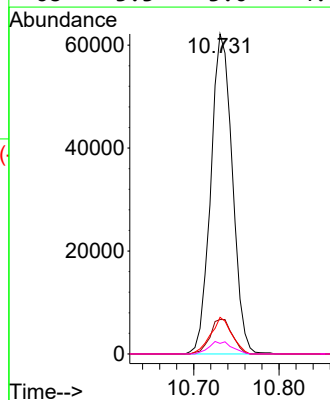
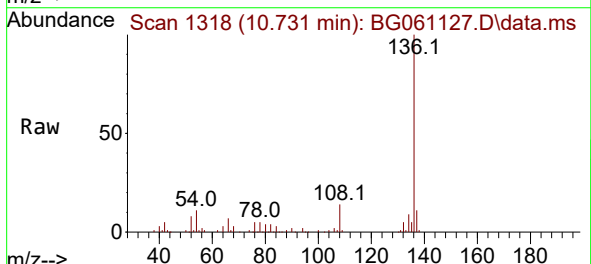
Instrument :
BNA_G
ClientSampleId :
EO-01-050324-B

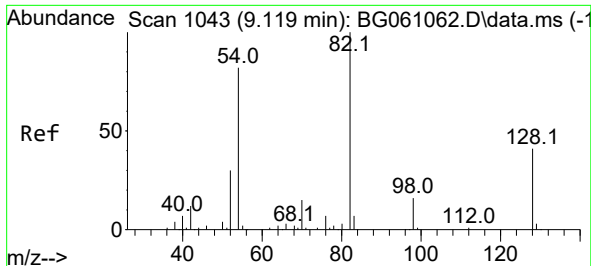
Tgt Ion: 99 Resp: 24010
Ion Ratio Lower Upper
99 100
42 34.5 29.2 43.8
71 46.0 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1318
Delta R.T. -0.027 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Tgt Ion:136 Resp: 109533
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 11.4 8.1 12.1
68 3.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 7.949 ng

RT: 9.092 min Scan# 1039

Delta R.T. -0.027 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-B

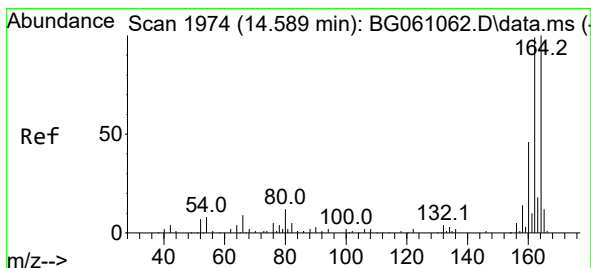
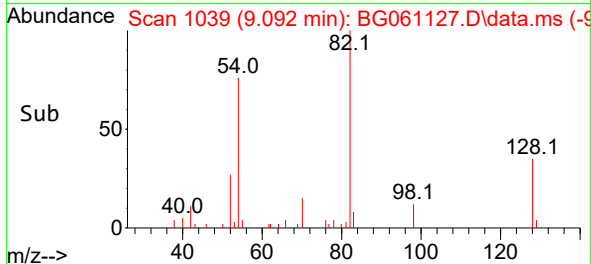
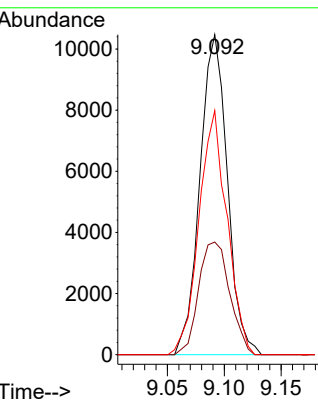
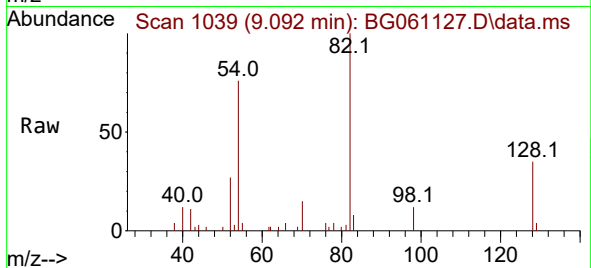
Tgt Ion: 82 Resp: 17563

Ion Ratio Lower Upper

82 100

128 35.2 32.7 49.1

54 76.2 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.567 min Scan# 1971

Delta R.T. -0.021 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

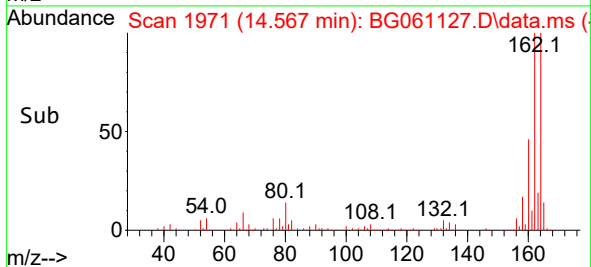
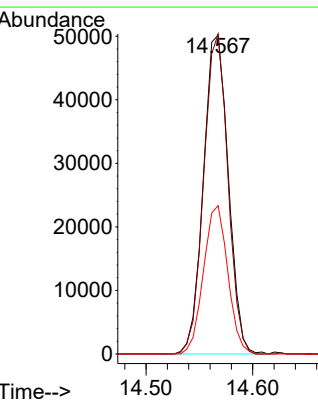
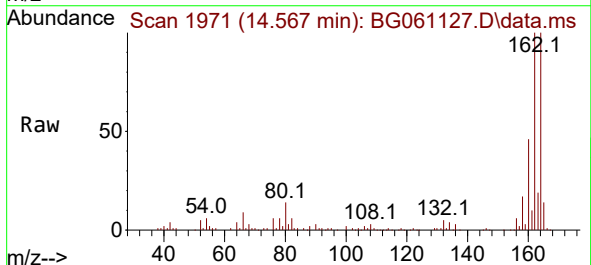
Tgt Ion:164 Resp: 81486

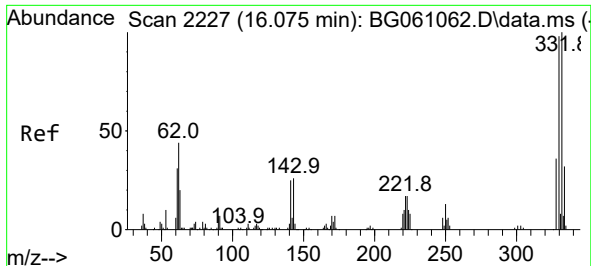
Ion Ratio Lower Upper

164 100

162 100.4 79.4 119.2

160 46.5 37.0 55.6

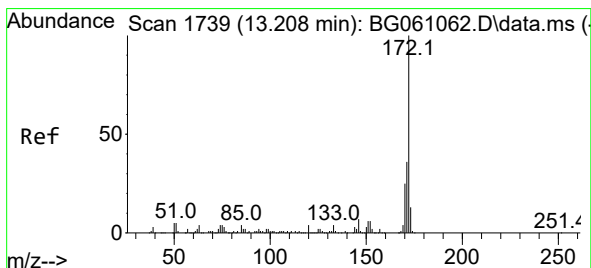
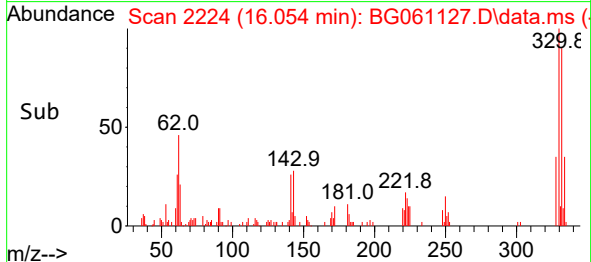
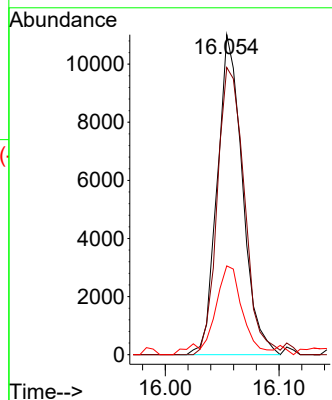
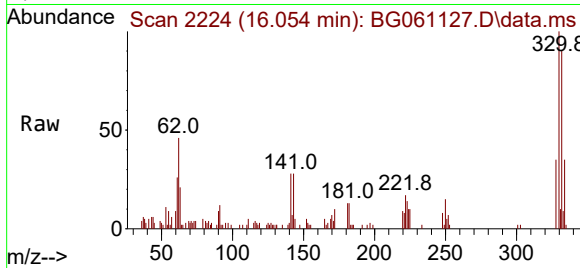




#42
2,4,6-Tribromophenol
Concen: 10.416 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

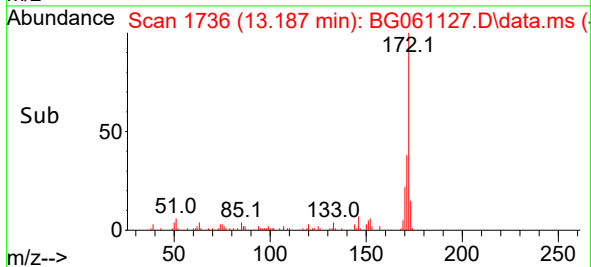
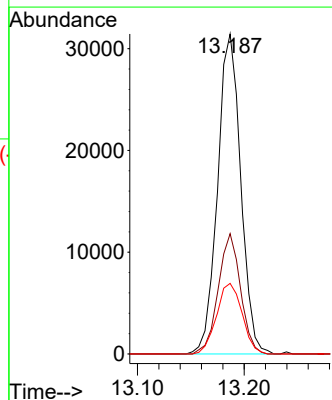
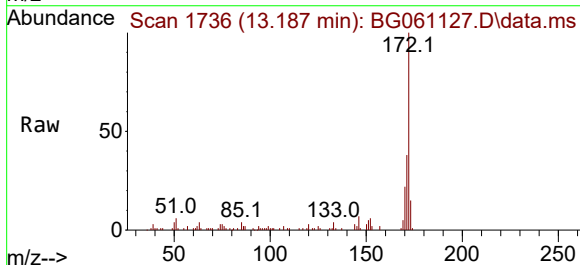
Instrument :
BNA_G
ClientSampleId :
EO-01-050324-B

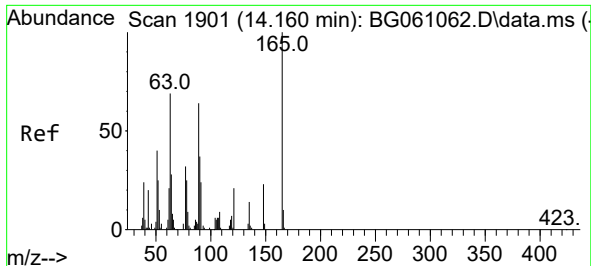
Tgt Ion:330 Resp: 16966
Ion Ratio Lower Upper
330 100
332 96.1 78.6 117.8
141 30.7 20.5 30.7#



#45
2-Fluorobiphenyl
Concen: 8.590 ng
RT: 13.187 min Scan# 1736
Delta R.T. -0.021 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Tgt Ion:172 Resp: 47334
Ion Ratio Lower Upper
172 100
171 37.6 29.0 43.6
170 22.0 20.2 30.4

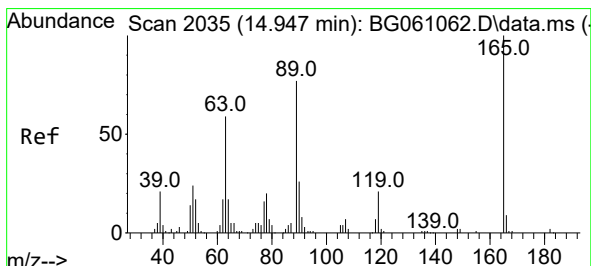
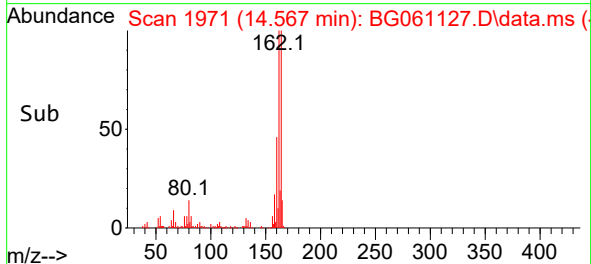
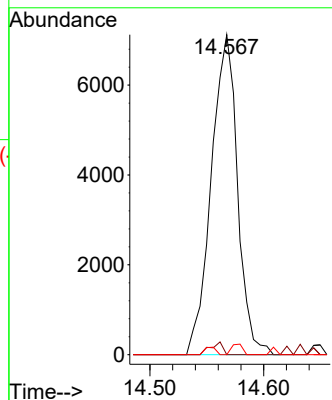
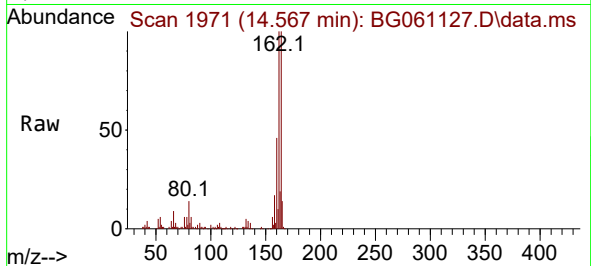




#51
2,6-Dinitrotoluene
Concen: 8.484 ng
RT: 14.567 min Scan# 1901
Delta R.T. 0.407 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

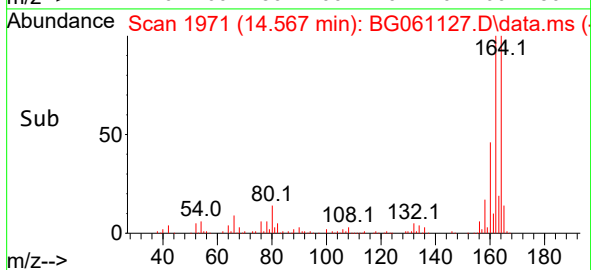
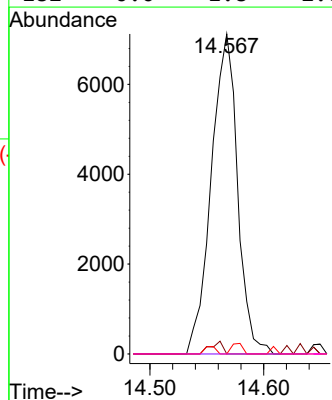
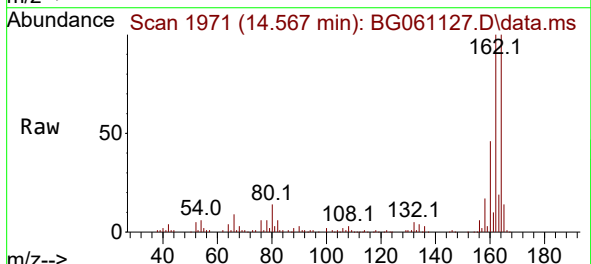
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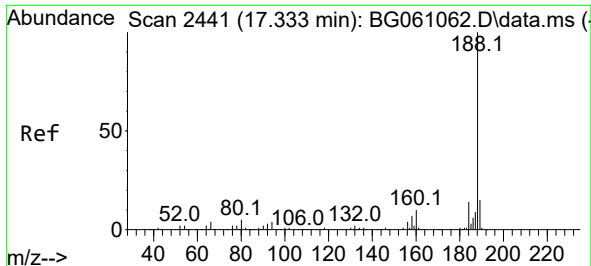
Tgt Ion:165 Resp: 11422
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.735 ng
RT: 14.567 min Scan# 1971
Delta R.T. -0.380 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Tgt Ion:165 Resp: 11422
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#

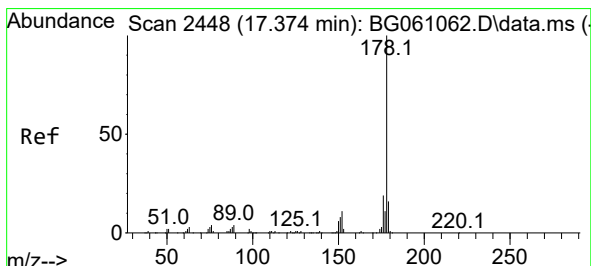
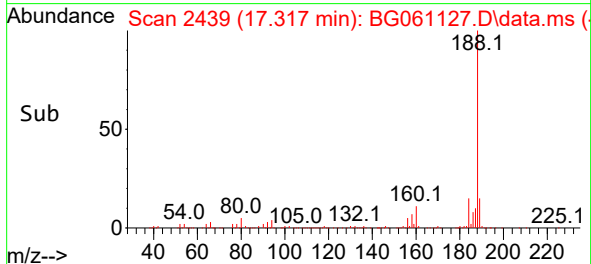
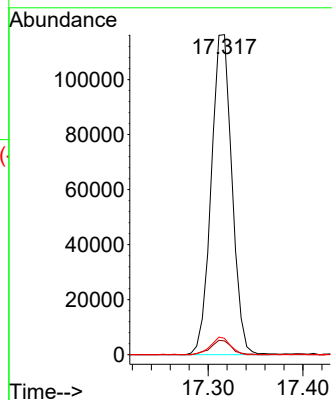
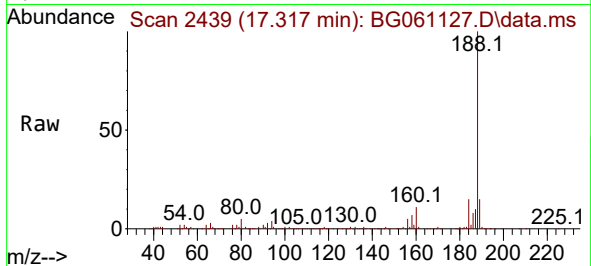




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.317 min Scan# 2441
Delta R.T. -0.016 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

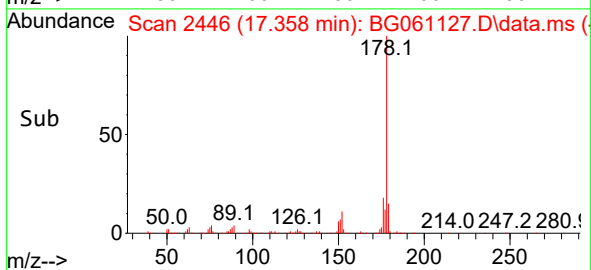
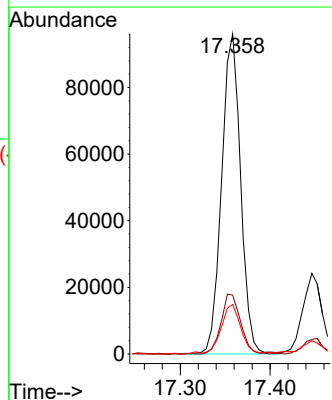
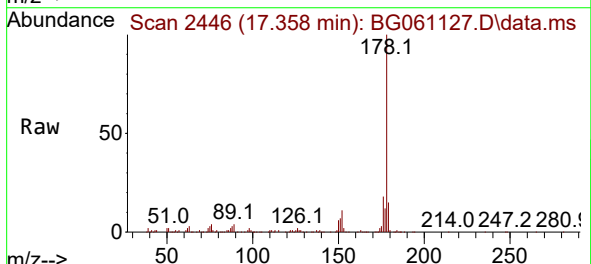
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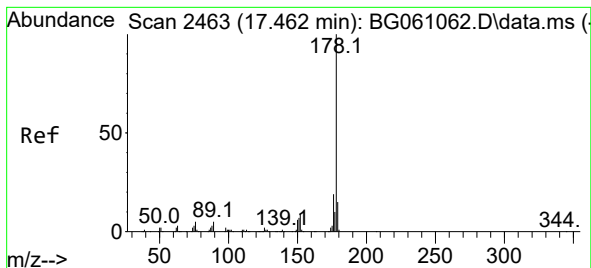
Tgt Ion:188 Resp: 176671
Ion Ratio Lower Upper
188 100
94 4.3 3.6 5.4
80 5.1 4.2 6.2



#71
Phenanthrene
Concen: 17.470 ng
RT: 17.358 min Scan# 2446
Delta R.T. -0.016 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Tgt Ion:178 Resp: 141126
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 15.4 12.6 19.0





#72

Anthracene

Concen: 4.323 ng

RT: 17.446 min Scan# 2461

Delta R.T. -0.016 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-B

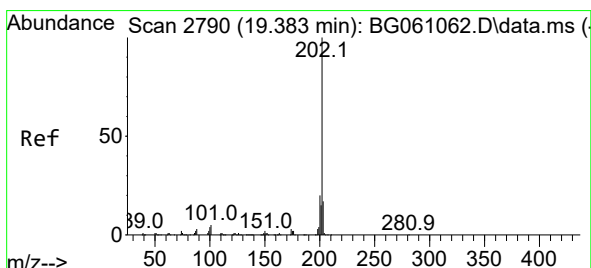
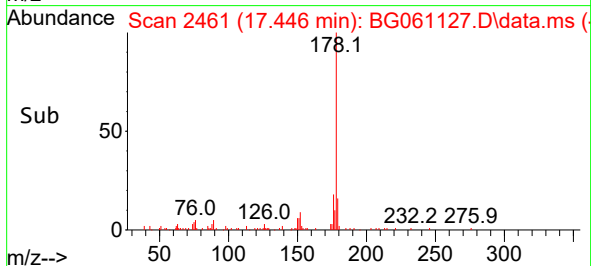
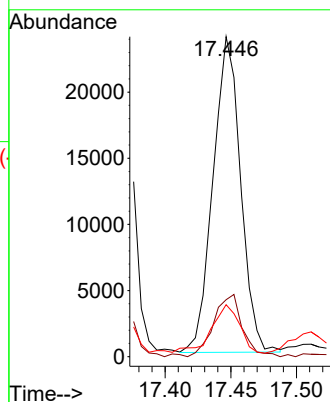
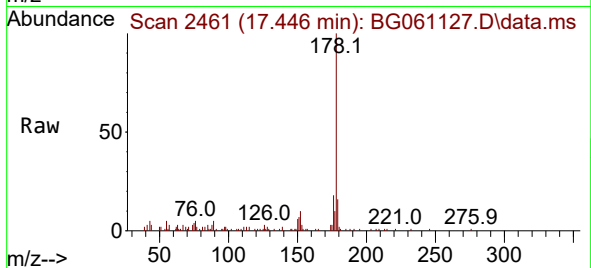
Tgt Ion:178 Resp: 34848

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.6

179 16.3 12.0 18.0



#75

Fluoranthene

Concen: 36.692 ng

RT: 19.374 min Scan# 2789

Delta R.T. -0.010 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

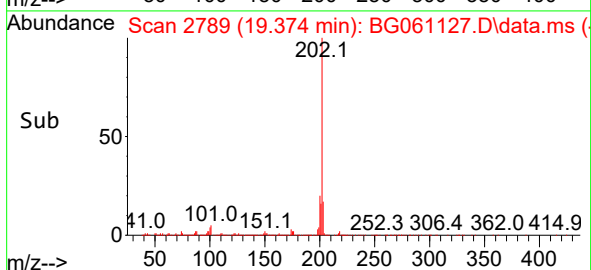
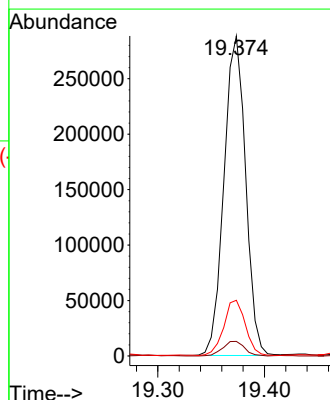
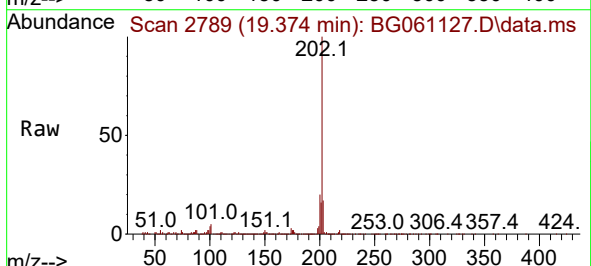
Tgt Ion:202 Resp: 406064

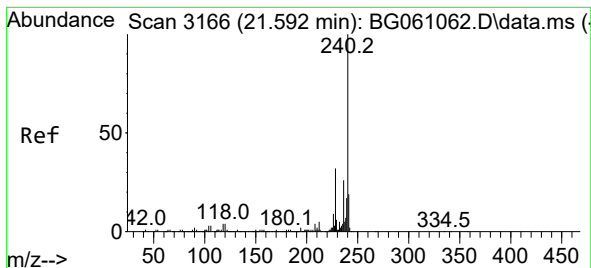
Ion Ratio Lower Upper

202 100

101 4.6 0.0 24.7

203 17.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.577 min Scan# 3166

Delta R.T. -0.016 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-B

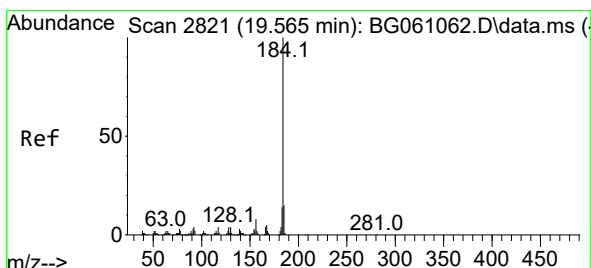
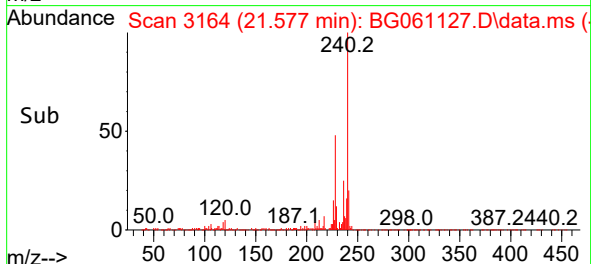
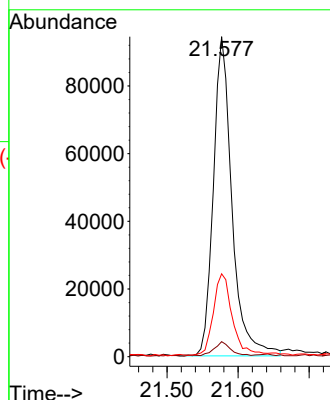
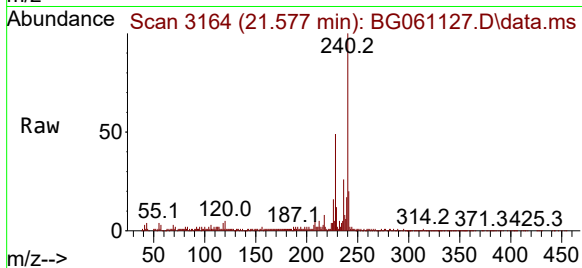
Tgt Ion:240 Resp: 171563

Ion Ratio Lower Upper

240 100

120 4.7 3.2 4.8

236 25.9 21.0 31.6



#77

Benzidine

Concen: 3.141 ng

RT: 19.562 min Scan# 2821

Delta R.T. -0.003 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

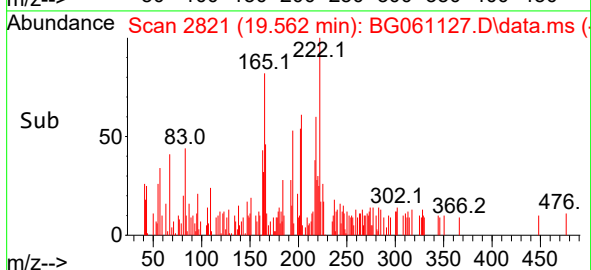
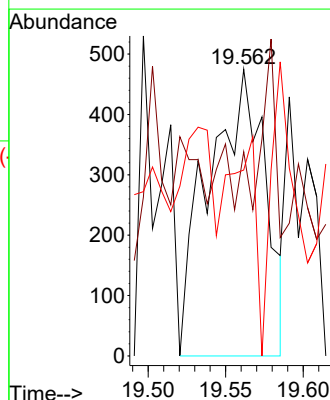
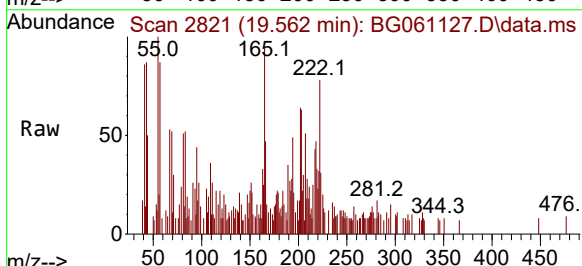
Tgt Ion:184 Resp: 1199

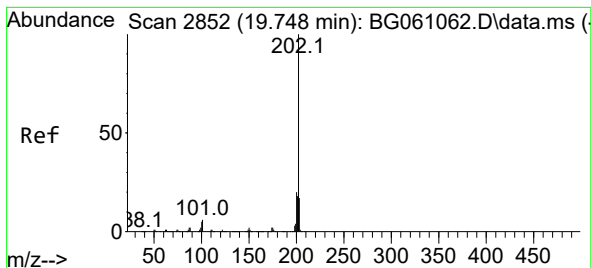
Ion Ratio Lower Upper

184 100

185 71.2 12.0 18.0#

183 64.8 10.9 16.3#





#78

Pyrene

Concen: 36.551 ng

RT: 19.732 min Scan# 2850

Delta R.T. -0.016 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-B

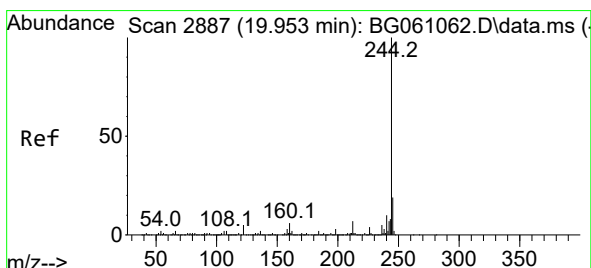
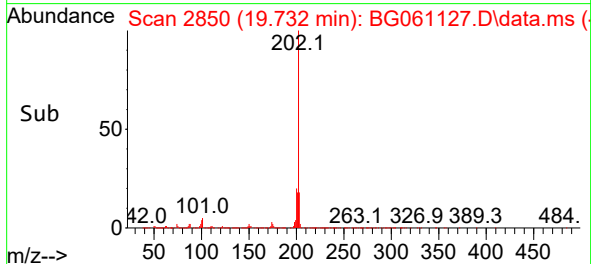
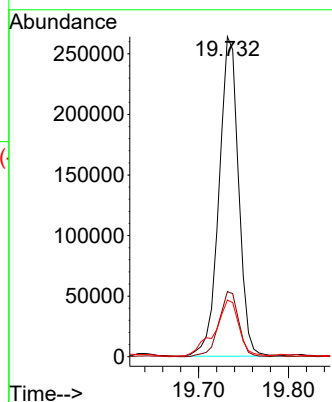
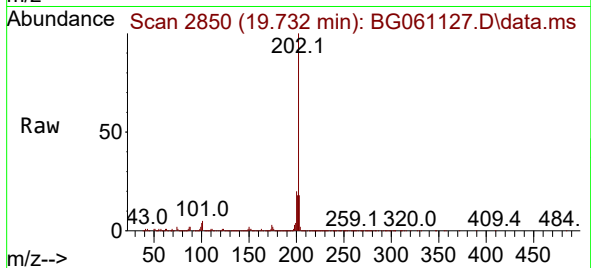
Tgt Ion:202 Resp: 398671

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.4

203 17.7 13.3 19.9



#79

Terphenyl-d14

Concen: 8.261 ng

RT: 19.932 min Scan# 2884

Delta R.T. -0.021 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

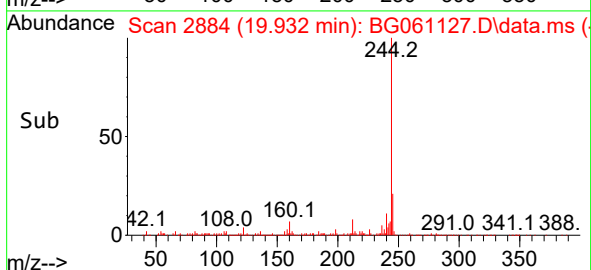
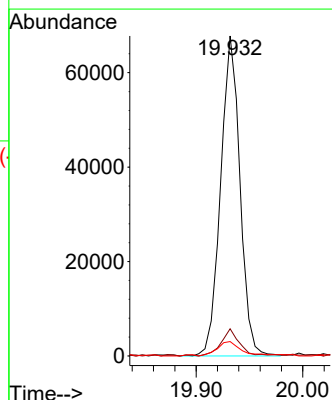
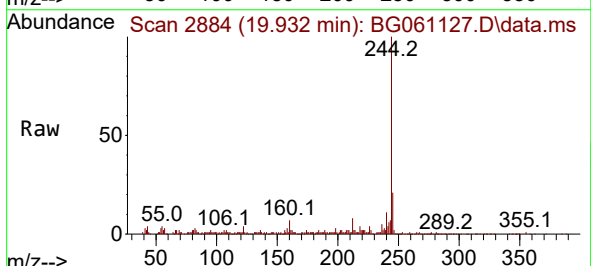
Tgt Ion:244 Resp: 85222

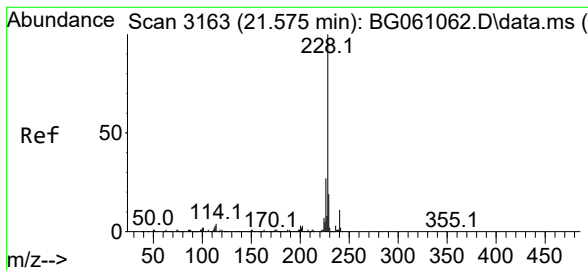
Ion Ratio Lower Upper

244 100

212 8.5 5.7 8.5

122 4.5 4.2 6.2

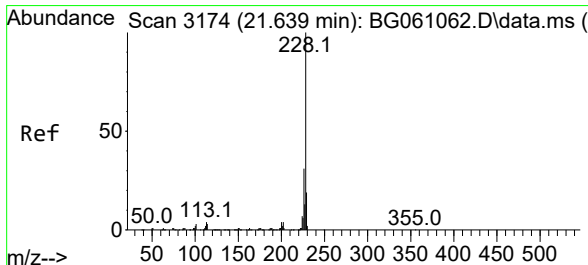
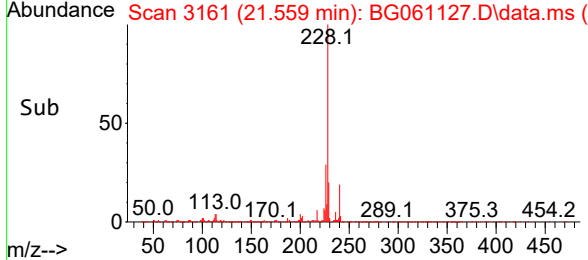
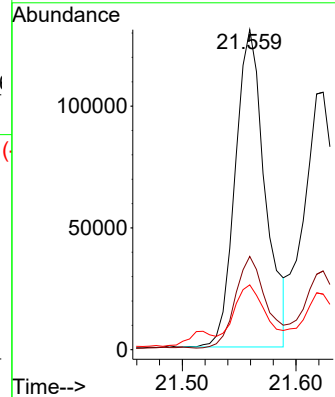
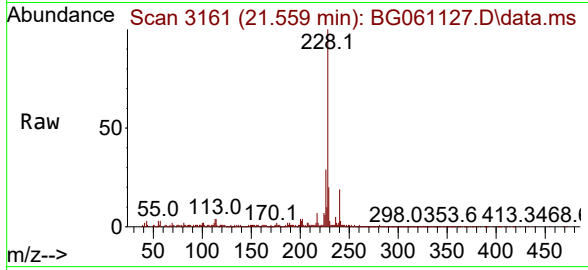




#81
Benzo(a)anthracene
Concen: 21.230 ng
RT: 21.559 min Scan# 3161
Delta R.T. -0.016 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

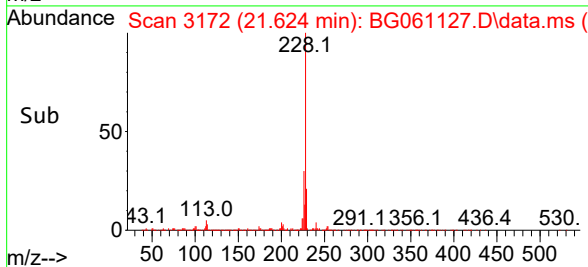
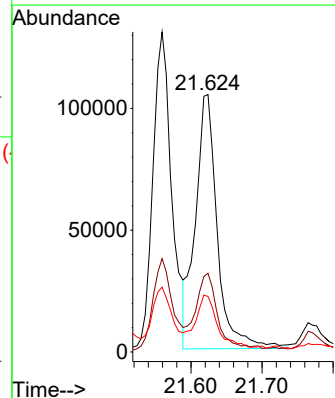
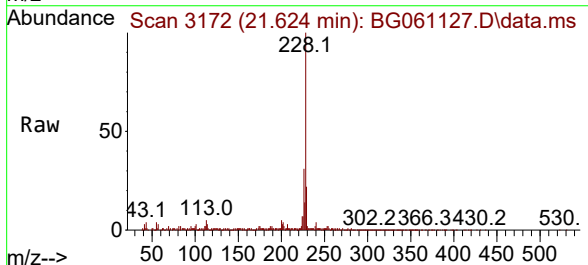
Instrument :
BNA_G
ClientSampleId :
EO-01-050324-B

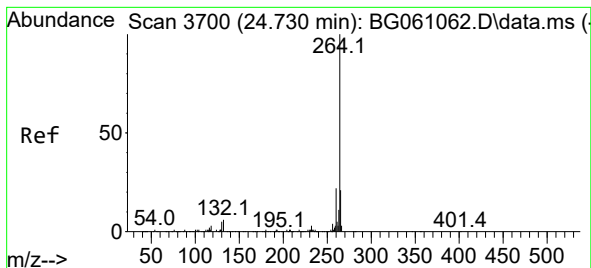
Tgt Ion:	228	Resp:	238339
Ion Ratio	Lower	Upper	
228	100		
226	29.2	21.6	32.4
229	20.3	15.0	22.4



#83
Chrysene
Concen: 21.315 ng
RT: 21.624 min Scan# 3172
Delta R.T. -0.016 min
Lab File: BG061127.D
Acq: 6 May 2024 19:35

Tgt Ion:	228	Resp:	224200
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.4	36.6
229	21.6	14.8	22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.709 min Scan# 3

Delta R.T. -0.021 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-B

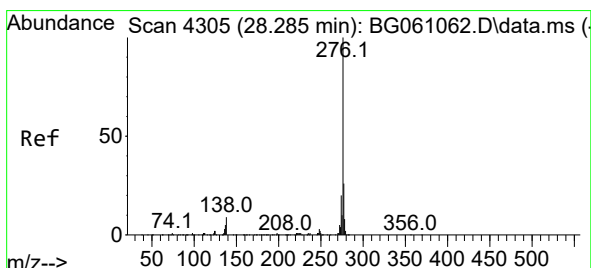
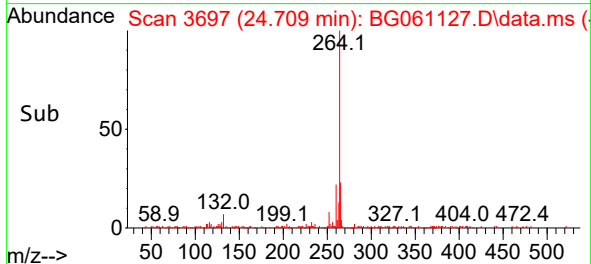
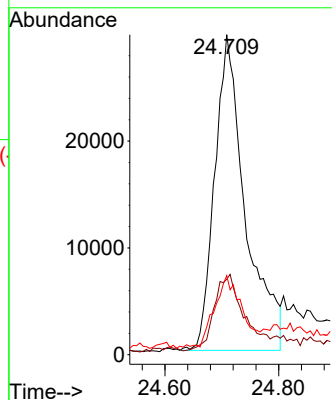
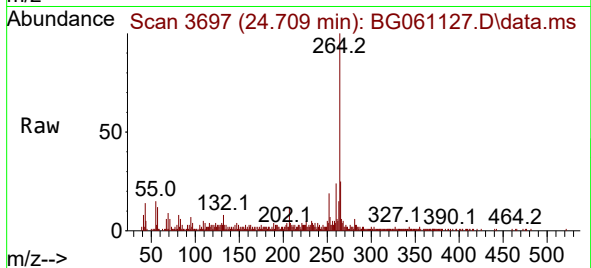
Tgt Ion:264 Resp: 110760

Ion Ratio Lower Upper

264 100

260 23.6 17.7 26.5

265 24.7 16.4 24.6#



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.100 ng

RT: 28.263 min Scan# 4302

Delta R.T. -0.021 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

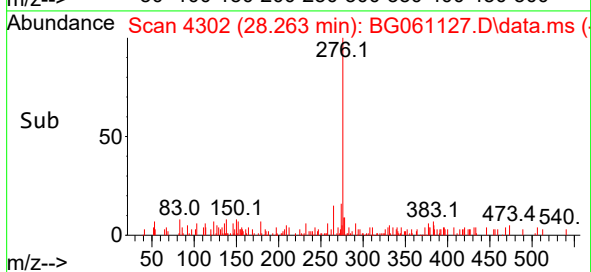
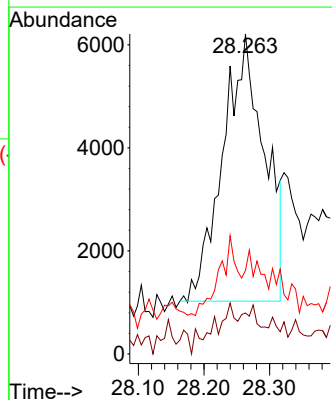
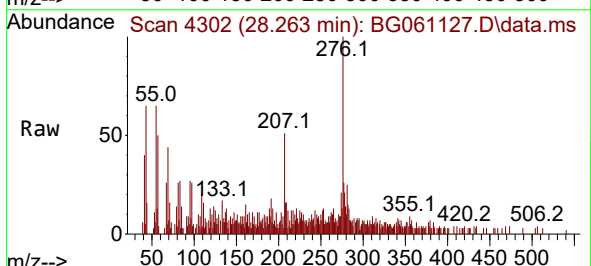
Tgt Ion:276 Resp: 22757

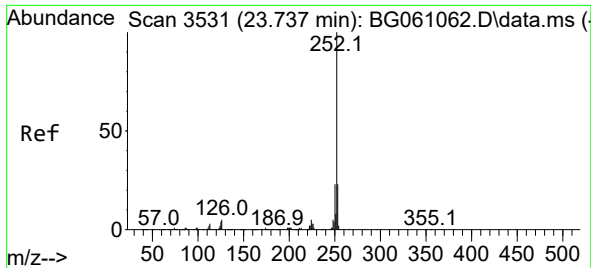
Ion Ratio Lower Upper

276 100

138 0.0 5.1 7.7#

277 4.1 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 26.067 ng

RT: 23.727 min Scan# 3530

Delta R.T. -0.010 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

EO-01-050324-B

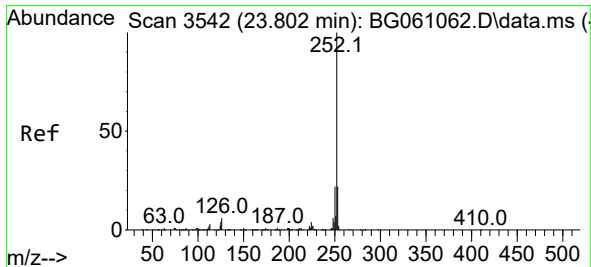
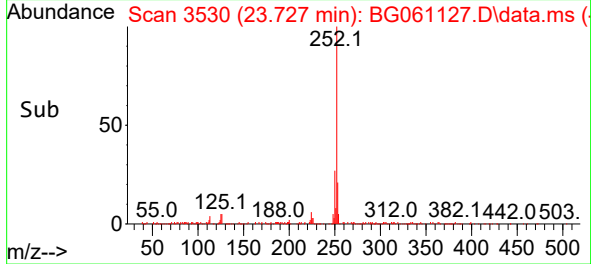
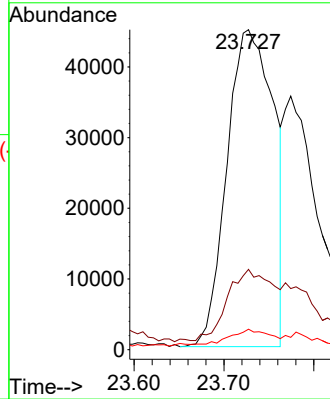
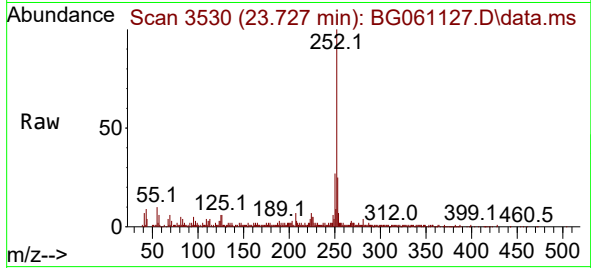
Tgt Ion:252 Resp: 161339

Ion Ratio Lower Upper

252 100

253 25.1 18.2 27.2

125 6.4 3.4 5.0#



#89

Benzo(k)fluoranthene

Concen: 27.096 ng

RT: 23.727 min Scan# 3530

Delta R.T. -0.074 min

Lab File: BG061127.D

Acq: 6 May 2024 19:35

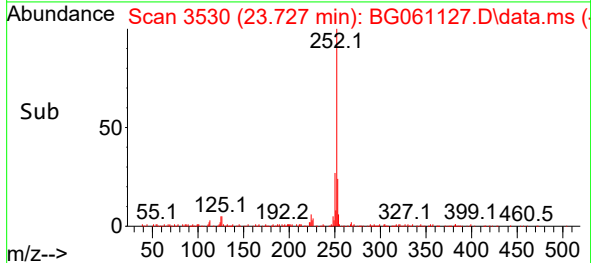
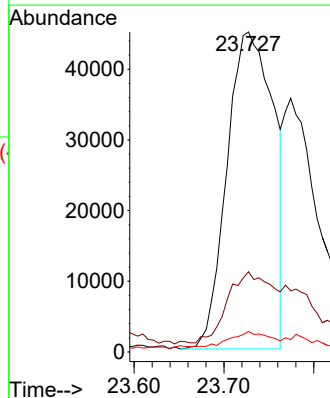
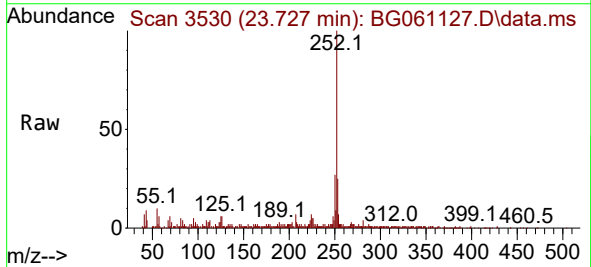
Tgt Ion:252 Resp: 161339

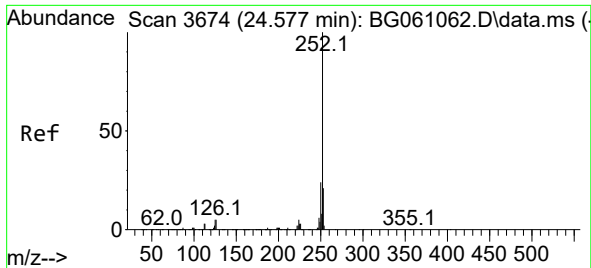
Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

125 6.4 3.2 4.8#





#90
 Benzo(a)pyrene
 Concen: 20.854 ng
 RT: 24.556 min Scan# 30
 Delta R.T. -0.021 min
 Lab File: BG061127.D
 Acq: 6 May 2024 19:35

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-050324-B

Tgt Ion:252 Resp: 112447
 Ion Ratio Lower Upper
 252 100
 253 25.0 16.9 25.3
 125 6.8 3.8 5.8#

