

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040423\
 Data File : BG056980.D
 Acq On : 5 Apr 2023 1:09
 Operator : CG/JU
 Sample : 02170-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-033123

Quant Time: Apr 05 04:13:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

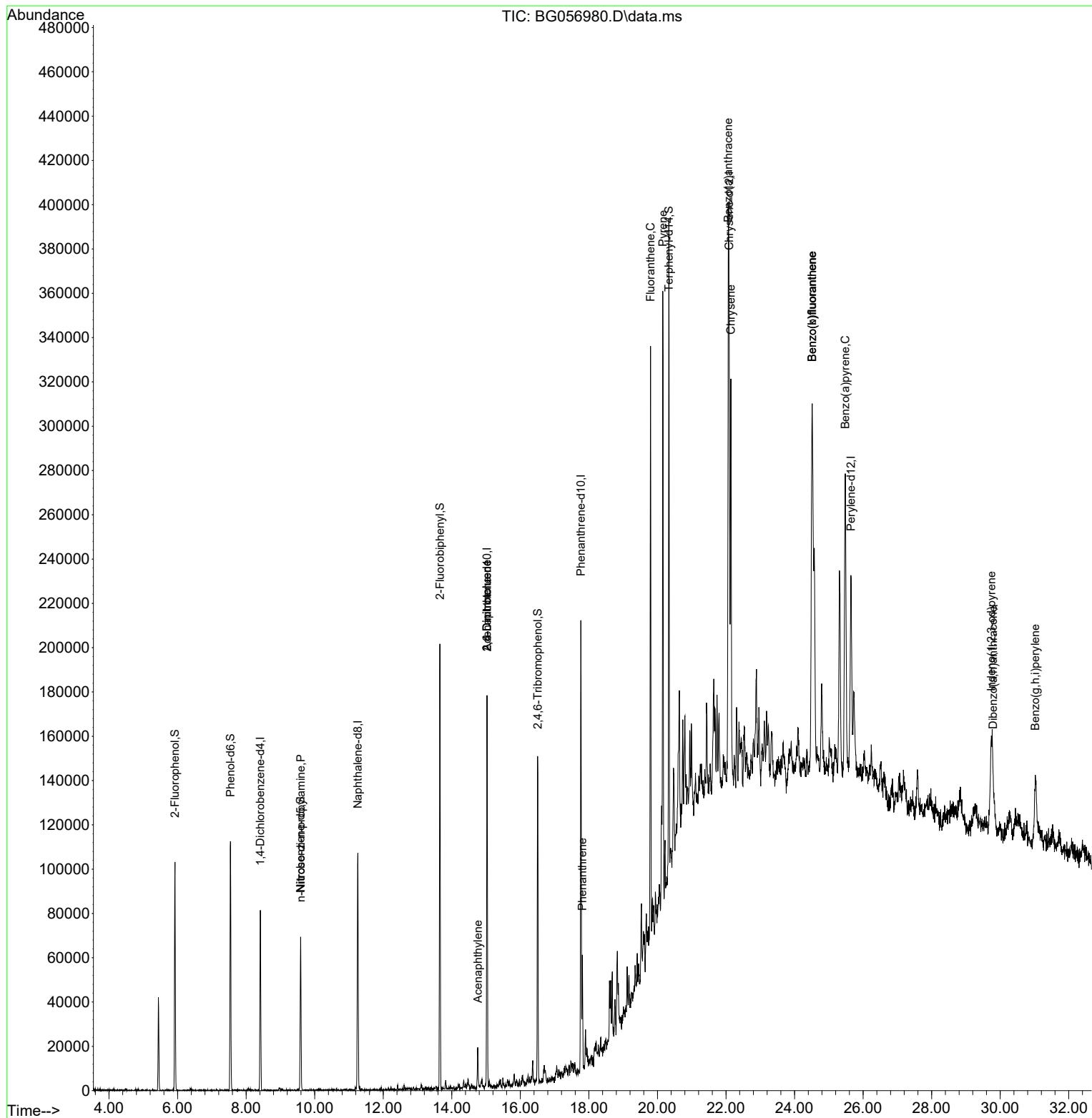
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	22158	20.000	ng	0.00
21) Naphthalene-d8	11.258	136	88873	20.000	ng	# 0.00
39) Acenaphthene-d10	15.029	164	62358	20.000	ng	0.00
64) Phenanthrene-d10	17.766	188	125467	20.000	ng	0.00
76) Chrysene-d12	22.090	240	105012	20.000	ng	# 0.00
86) Perylene-d12	25.644	264	108647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.924	112	42060	30.379	ng	0.00
7) Phenol-d6	7.545	99	64157	30.984	ng	0.00
23) Nitrobenzene-d5	9.589	82	42677	19.649	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	27562	27.667	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	100732	21.905	ng	0.00
79) Terphenyl-d14	20.334	244	136015	21.917	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.595	70	6074	4.101	ng	# 74
49) Acenaphthylene	14.759	152	15053	2.714	ng	# 93
51) 2,6-Dinitrotoluene	15.029	165	7867	7.411	ng	# 23
57) 2,4-Dinitrotoluene	15.029	165	7867	5.254	ng	# 24
71) Phenanthrene	17.808	178	31242	4.884	ng	99
75) Fluoranthene	19.799	202	166358	20.515	ng	97
78) Pyrene	20.157	202	175597	24.176	ng	98
81) Benzo(a)anthracene	22.066	228	152294	20.957	ng	99
83) Chrysene	22.143	228	144104	21.179	ng	98
87) Indeno(1,2,3-cd)pyrene	29.744	276	95316	11.871	ng	# 58
88) Benzo(b)fluoranthene	24.510	252	262262	38.602	ng	100
89) Benzo(k)fluoranthene	24.510	252	262262	38.666	ng	97
90) Benzo(a)pyrene	25.480	252	183383	27.468	ng	99
91) Dibenzo(a,h)anthracene	29.791	278	23456	3.554	ng	# 94
92) Benzo(g,h,i)perylene	31.025	276	79081	12.236	ng	99

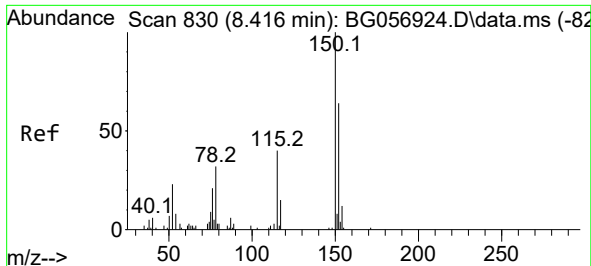
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 05 04:13:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

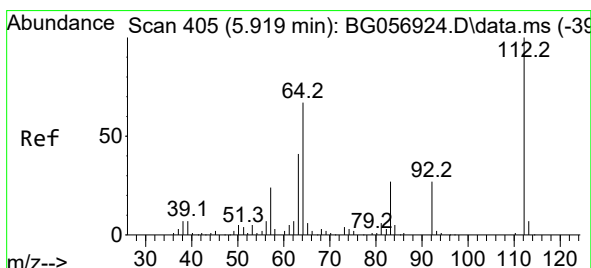
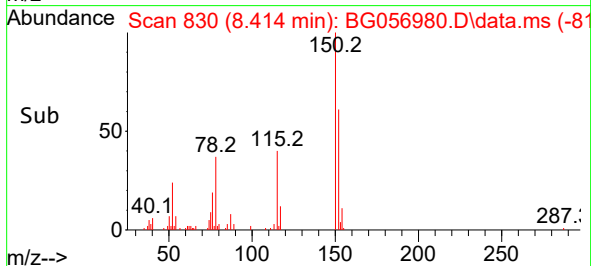
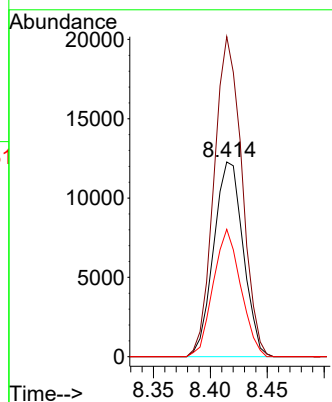
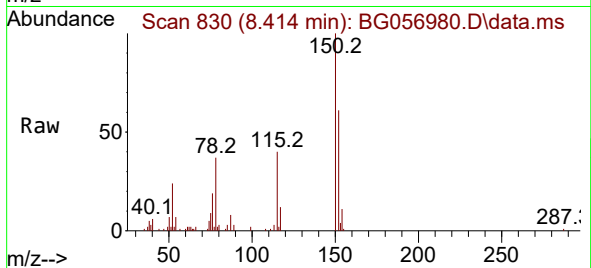




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.414 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

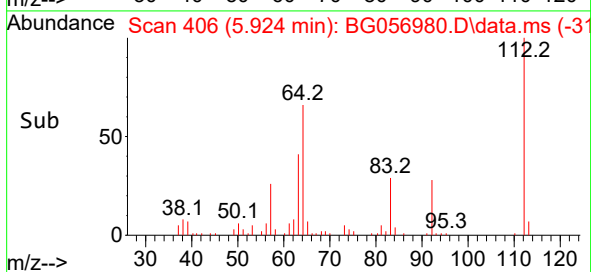
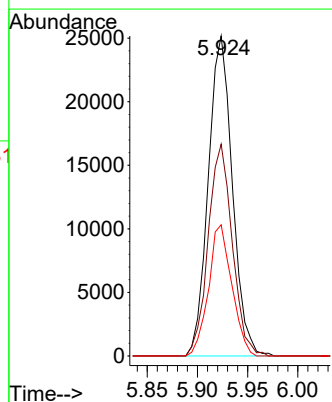
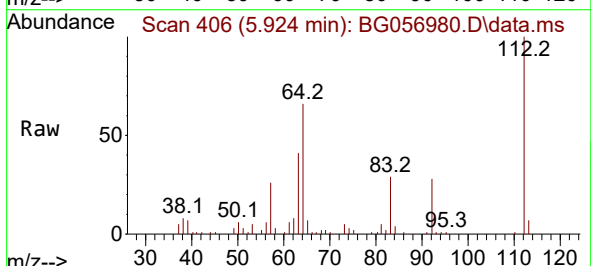
Instrument :
BNA_G
ClientSampleId :
EO-3-033123

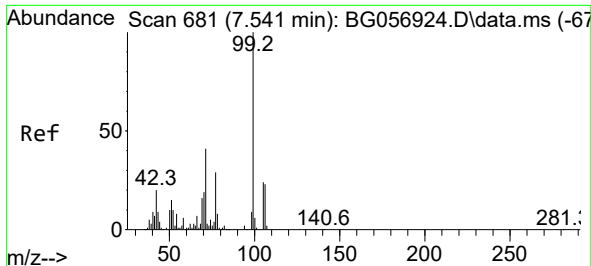
Tgt Ion:152 Resp: 22158
Ion Ratio Lower Upper
152 100
150 164.3 124.1 186.1
115 65.4 49.1 73.7



#5
2-Fluorophenol
Concen: 30.379 ng
RT: 5.924 min Scan# 406
Delta R.T. 0.004 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

Tgt Ion:112 Resp: 42060
Ion Ratio Lower Upper
112 100
64 66.2 53.2 79.8
63 41.0 32.6 48.8

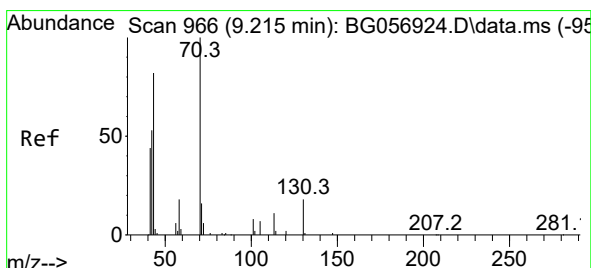
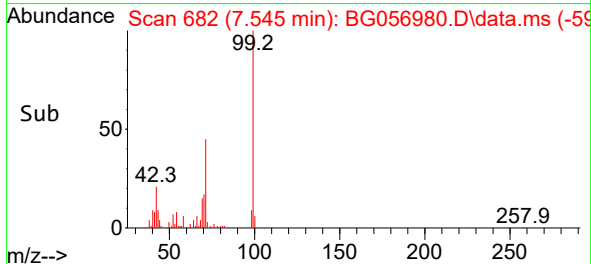
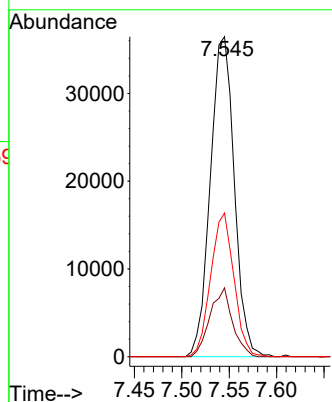
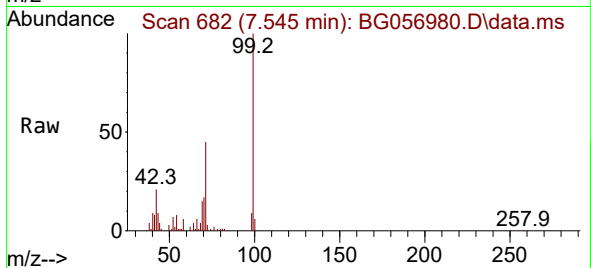




#7
Phenol-d6
Concen: 30.984 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

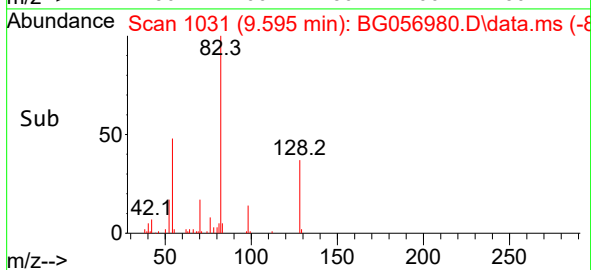
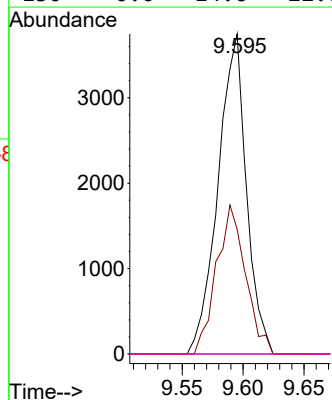
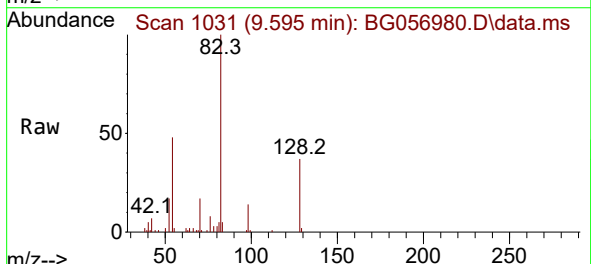
Instrument :
BNA_G
ClientSampleId :
EO-3-033123

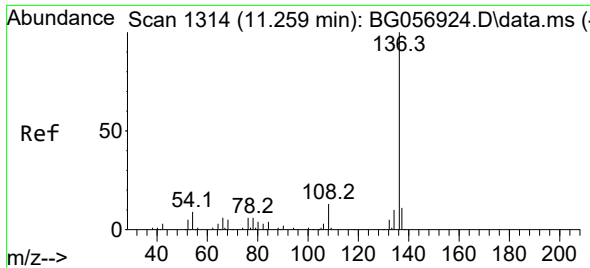
Tgt Ion: 99 Resp: 64157
Ion Ratio Lower Upper
99 100
42 21.5 15.7 23.5
71 44.9 32.5 48.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.101 ng
RT: 9.595 min Scan# 1031
Delta R.T. 0.380 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

Tgt Ion: 70 Resp: 6074
Ion Ratio Lower Upper
70 100
42 39.0 43.4 65.0#
101 0.0 6.2 9.2#
130 0.0 14.6 22.0#

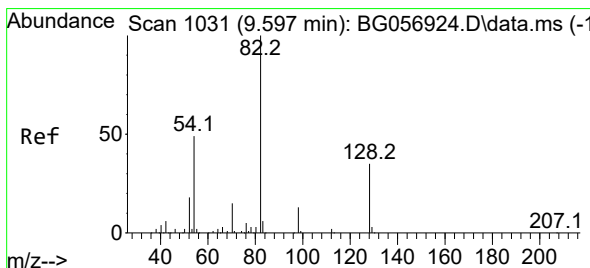
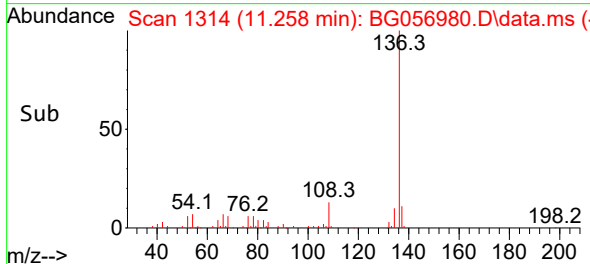
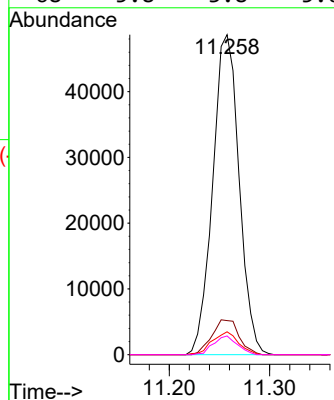
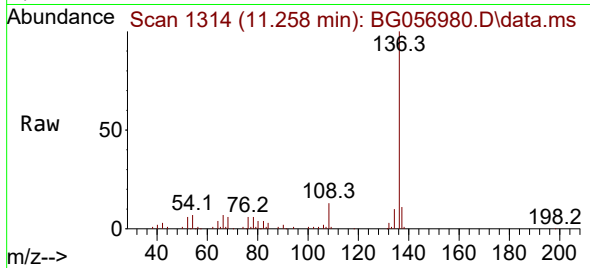




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.258 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

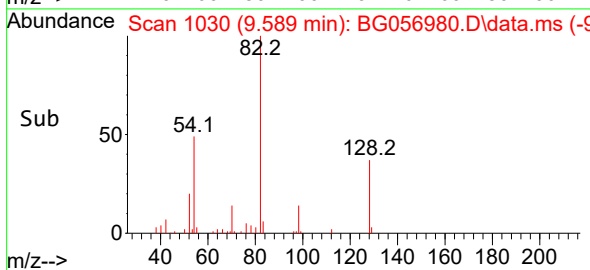
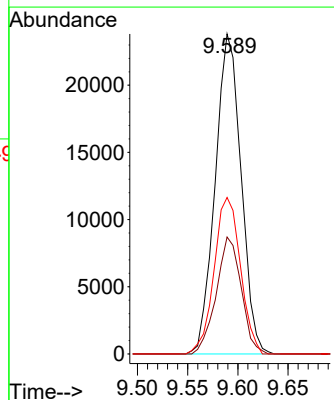
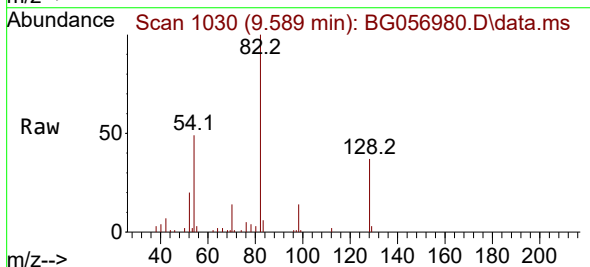
Instrument :
BNA_G
ClientSampleId :
EO-3-033123

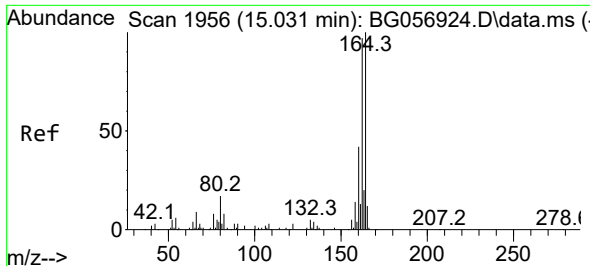
Tgt Ion:	136	Resp:	88873
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	7.2	6.9	10.3
68	5.8	3.8	5.6



#23
Nitrobenzene-d5
Concen: 19.649 ng
RT: 9.589 min Scan# 1030
Delta R.T. -0.007 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

Tgt Ion:	82	Resp:	42677
Ion Ratio	Lower	Upper	
82	100		
128	36.6	27.9	41.9
54	48.9	39.4	59.2

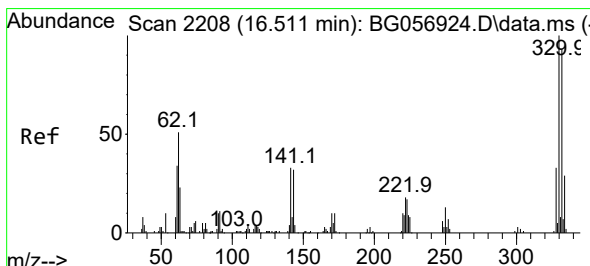
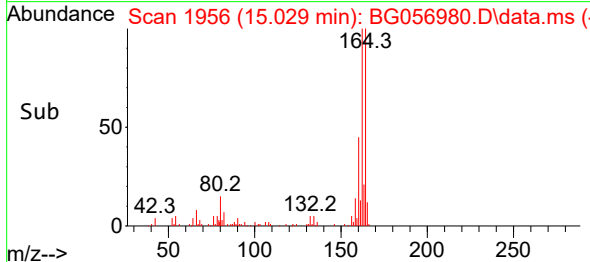
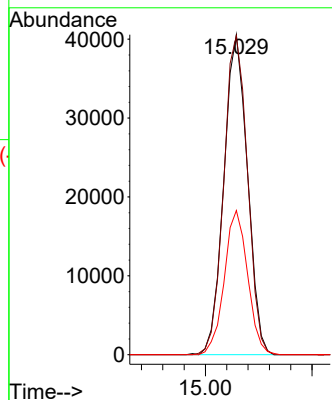
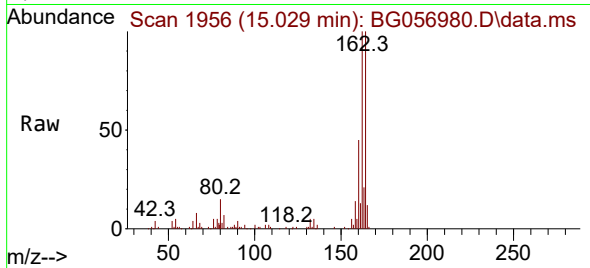




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.029 min Scan# 1956
Delta R.T. -0.002 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

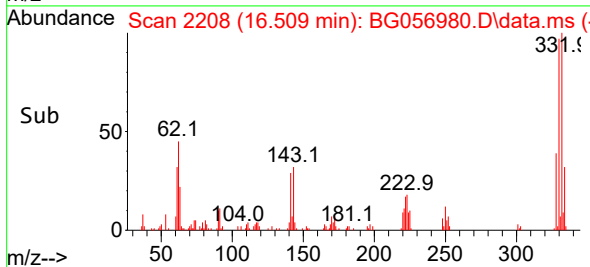
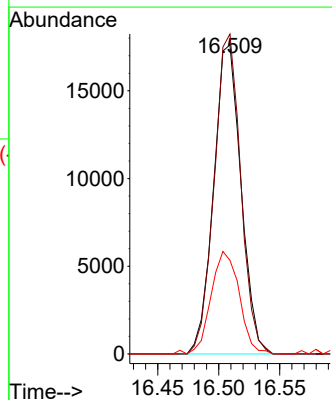
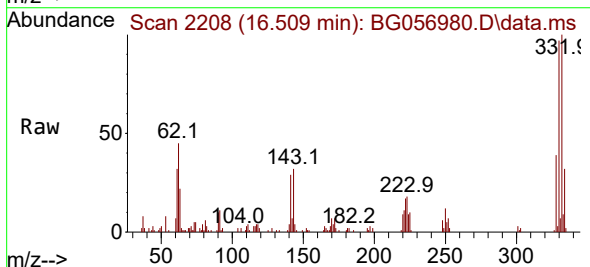
Instrument :
BNA_G
ClientSampleId :
EO-3-033123

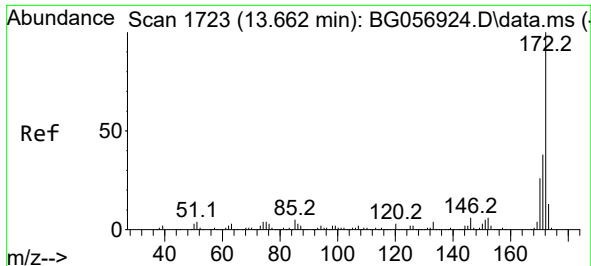
Tgt Ion:164 Resp: 62358
Ion Ratio Lower Upper
164 100
162 99.7 77.8 116.8
160 45.1 33.5 50.3



#42
2,4,6-Tribromophenol
Concen: 27.667 ng
RT: 16.509 min Scan# 2208
Delta R.T. -0.002 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

Tgt Ion:330 Resp: 27562
Ion Ratio Lower Upper
330 100
332 99.9 76.1 114.1
141 34.2 25.8 38.6

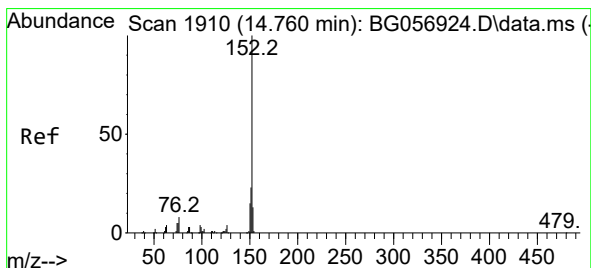
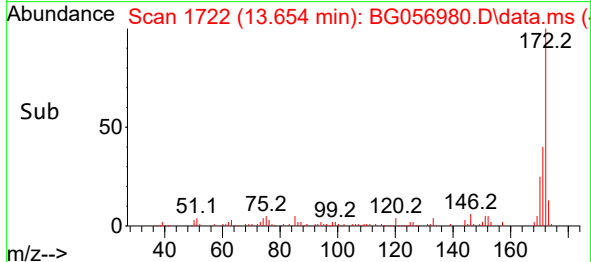
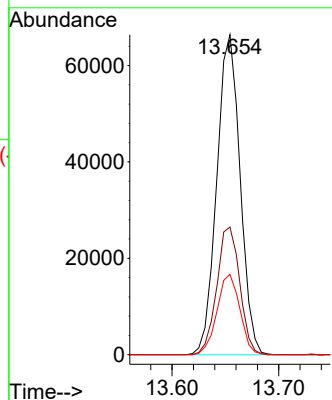
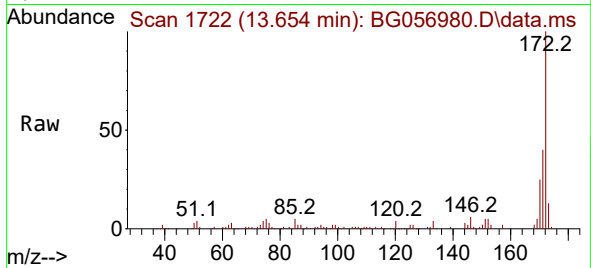




#45
2-Fluorobiphenyl
Concen: 21.905 ng
RT: 13.654 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

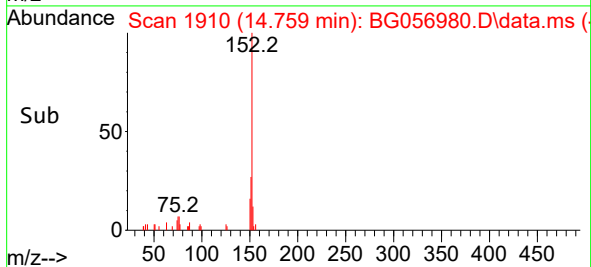
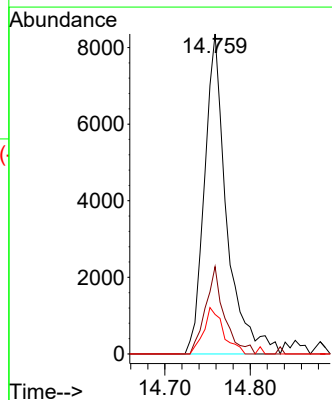
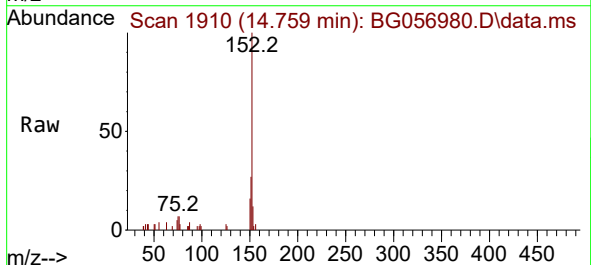
Instrument :
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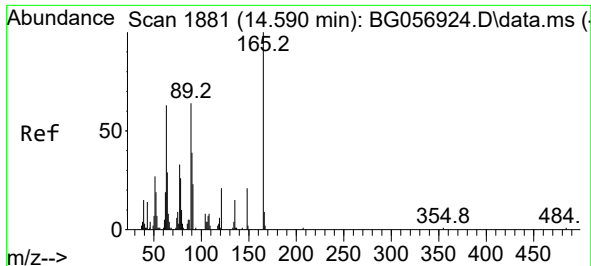
Tgt Ion:172 Resp: 100732
Ion Ratio Lower Upper
172 100
171 39.9 30.6 46.0
170 25.1 20.6 30.8



#49
Acenaphthylene
Concen: 2.714 ng
RT: 14.759 min Scan# 1910
Delta R.T. -0.002 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

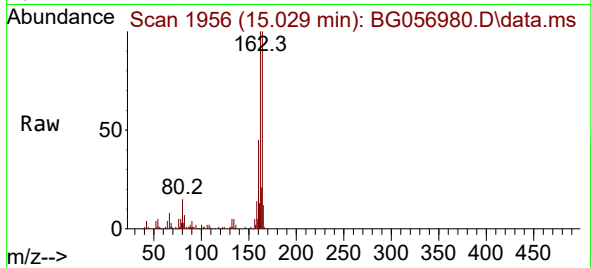
Tgt Ion:152 Resp: 15053
Ion Ratio Lower Upper
152 100
151 27.3 18.2 27.2#
153 12.3 10.5 15.7



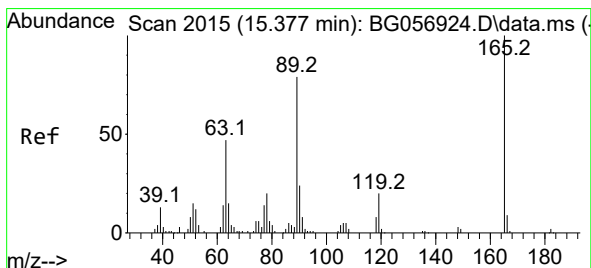
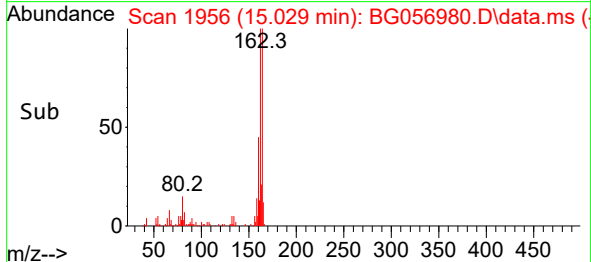
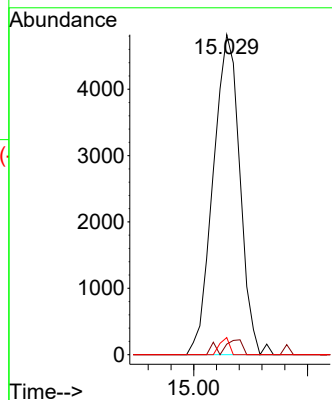


#51
2,6-Dinitrotoluene
Concen: 7.411 ng
RT: 15.029 min Scan# 1956
Delta R.T. 0.439 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

Instrument :
BNA_G
ClientSampleId :
EO-3-033123

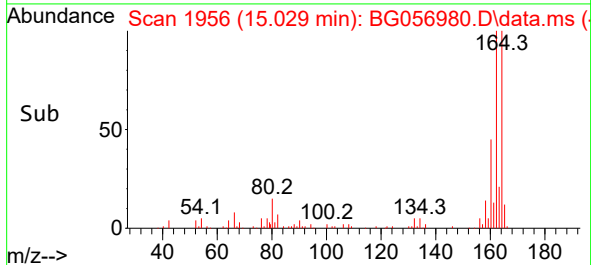
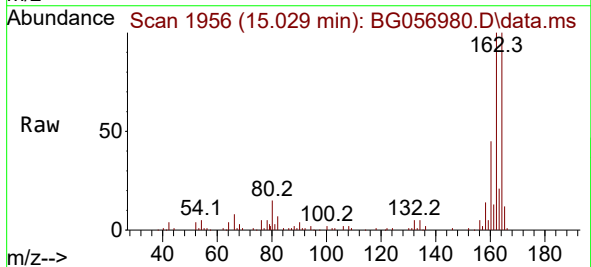
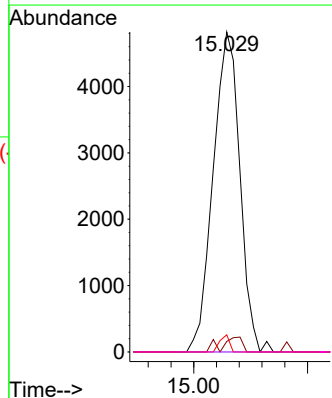


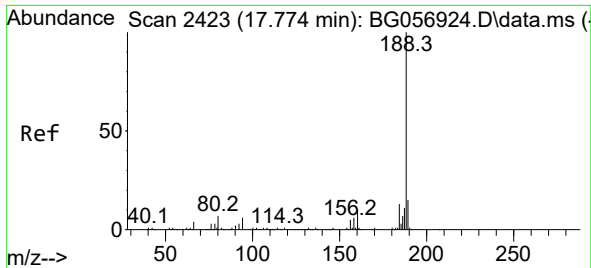
Tgt Ion:165 Resp: 7867
Ion Ratio Lower Upper
165 100
63 3.3 53.0 79.6#
89 5.3 51.0 76.4#



#57
2,4-Dinitrotoluene
Concen: 5.254 ng
RT: 15.029 min Scan# 1956
Delta R.T. -0.348 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

Tgt Ion:165 Resp: 7867
Ion Ratio Lower Upper
165 100
63 3.3 37.7 56.5#
89 5.3 63.2 94.8#
182 0.0 1.7 2.5#

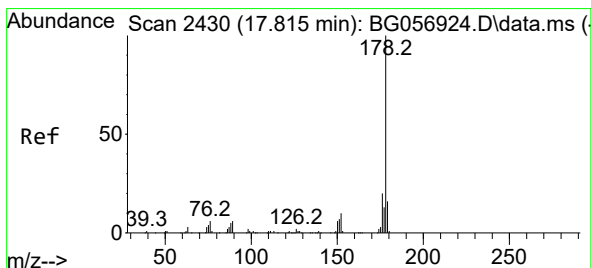
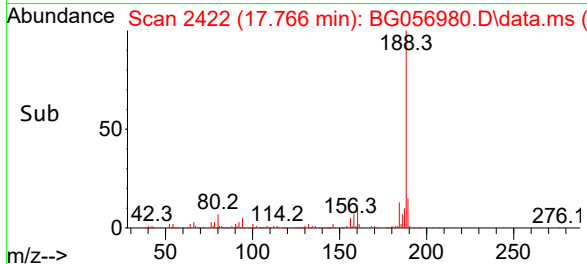
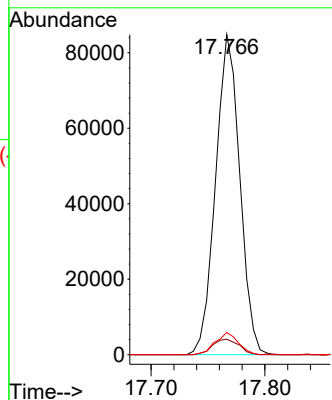
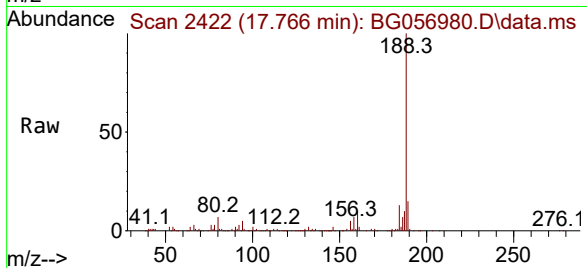




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.766 min Scan# 2422
Delta R.T. -0.007 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

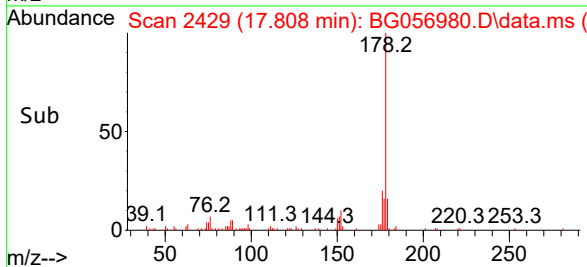
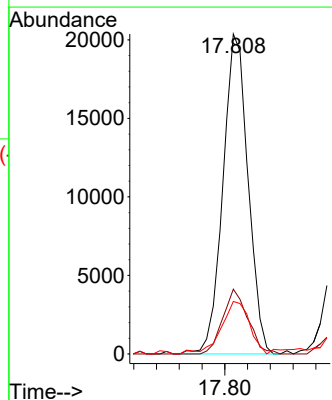
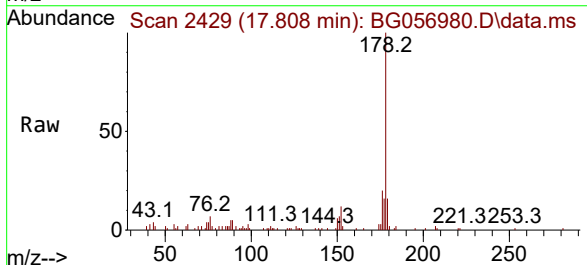
Instrument :
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EO-3-033123

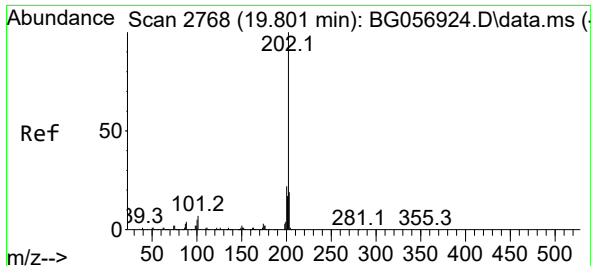
Tgt Ion:188 Resp: 125467
Ion Ratio Lower Upper
188 100
94 4.8 4.6 6.8
80 6.9 5.5 8.3



#71
Phenanthrene
Concen: 4.884 ng
RT: 17.808 min Scan# 2429
Delta R.T. -0.007 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

Tgt Ion:178 Resp: 31242
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.2
179 16.4 12.5 18.7

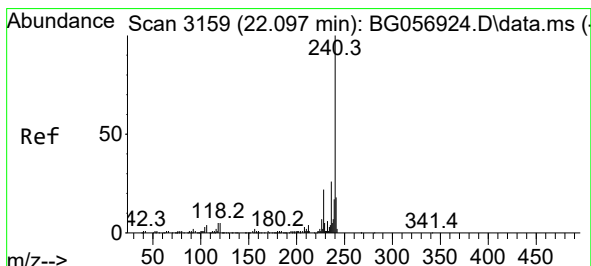
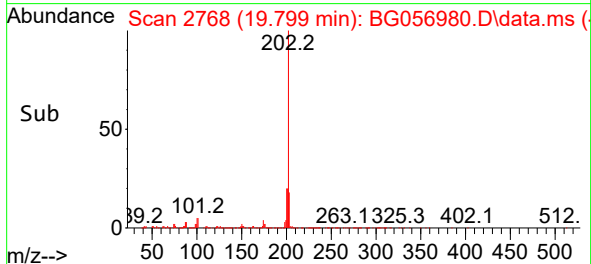
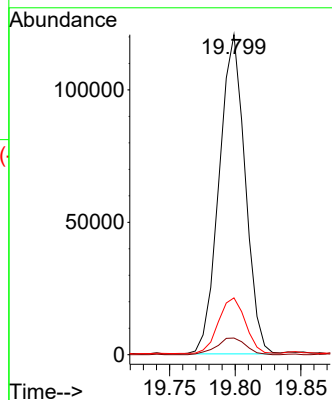
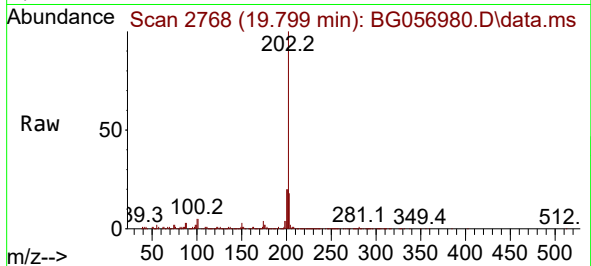




#75
Fluoranthene
Concen: 20.515 ng
RT: 19.799 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

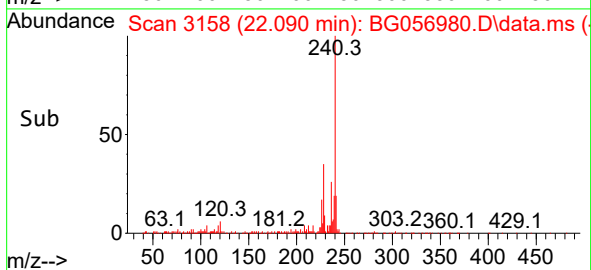
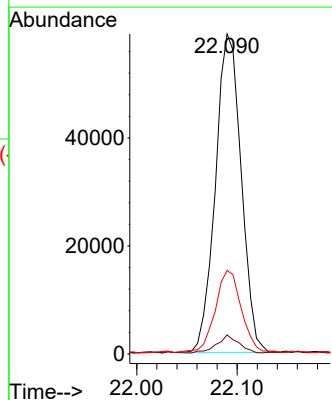
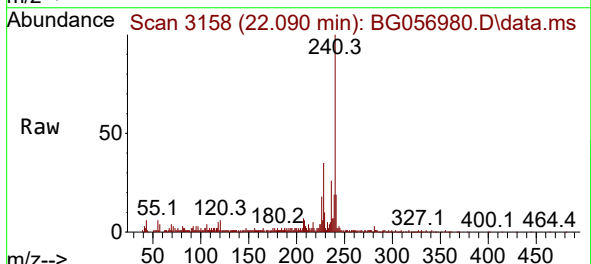
Instrument :
BNA_G
ClientSampleId :
EO-3-033123

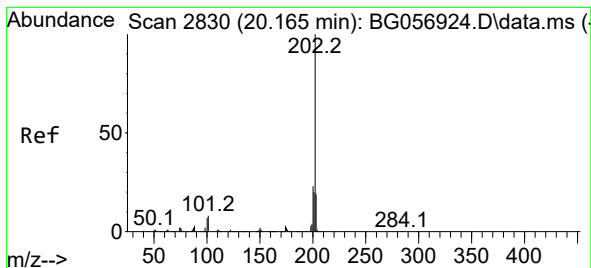
Tgt Ion:202 Resp: 166358
Ion Ratio Lower Upper
202 100
101 5.2 0.0 26.7
203 17.8 0.0 39.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.090 min Scan# 3158
Delta R.T. -0.007 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

Tgt Ion:240 Resp: 105012
Ion Ratio Lower Upper
240 100
120 6.0 3.8 5.6#
236 26.1 21.0 31.6





#78

Pyrene

Concen: 24.176 ng

RT: 20.157 min Scan# 2829

Delta R.T. -0.007 min

Lab File: BG056980.D

Acq: 5 Apr 2023 1:09

Instrument :

BNA_G

ClientSampleId :

EO-3-033123

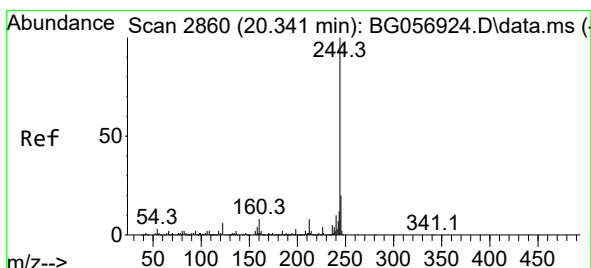
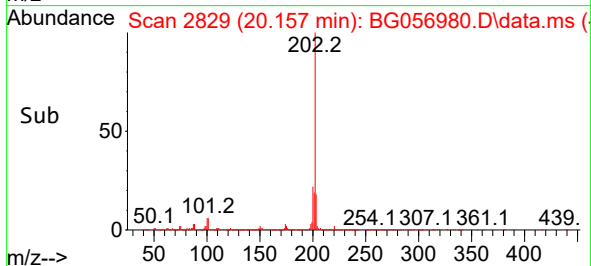
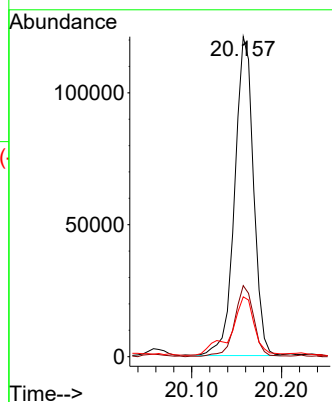
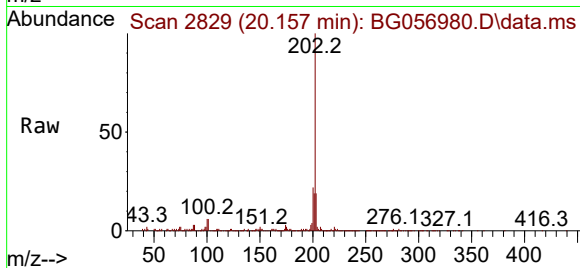
Tgt Ion:202 Resp: 175597

Ion Ratio Lower Upper

202 100

200 22.2 18.7 28.1

203 18.7 15.4 23.2



#79

Terphenyl-d14

Concen: 21.917 ng

RT: 20.334 min Scan# 2859

Delta R.T. -0.007 min

Lab File: BG056980.D

Acq: 5 Apr 2023 1:09

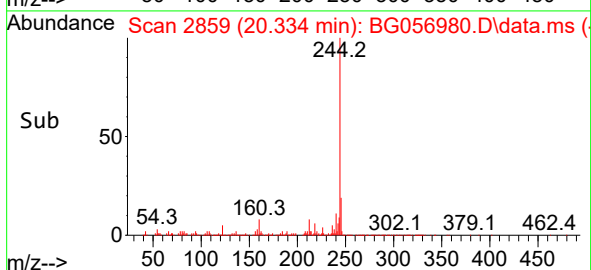
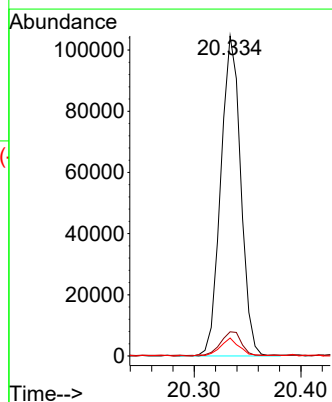
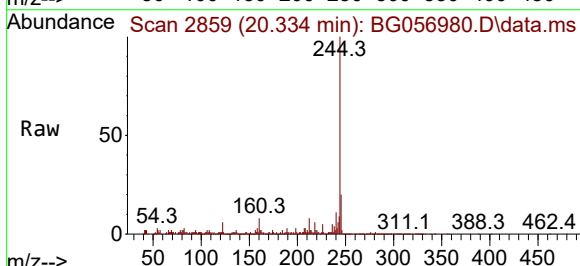
Tgt Ion:244 Resp: 136015

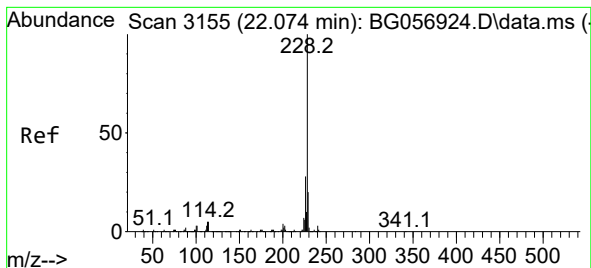
Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 5.6 5.0 7.4





#81

Benzo(a)anthracene

Concen: 20.957 ng

RT: 22.066 min Scan# 3154

Delta R.T. -0.007 min

Lab File: BG056980.D

Acq: 5 Apr 2023 1:09

Instrument :

BNA_G

ClientSampleId :

EO-3-033123

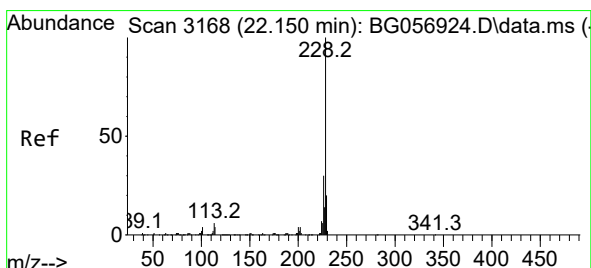
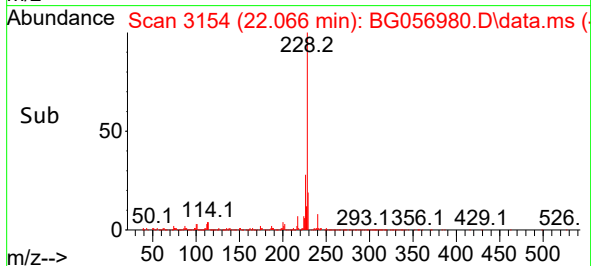
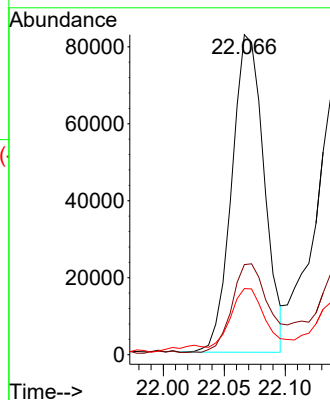
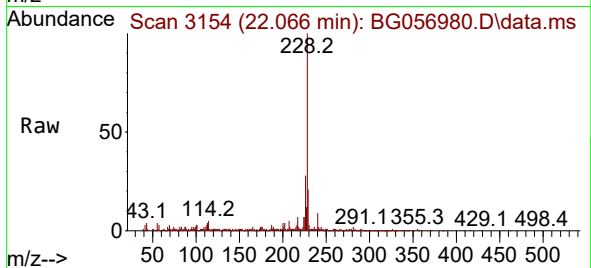
Tgt Ion:228 Resp: 152294

Ion Ratio Lower Upper

228 100

226 28.2 22.1 33.1

229 20.7 16.1 24.1



#83

Chrysene

Concen: 21.179 ng

RT: 22.143 min Scan# 3167

Delta R.T. -0.007 min

Lab File: BG056980.D

Acq: 5 Apr 2023 1:09

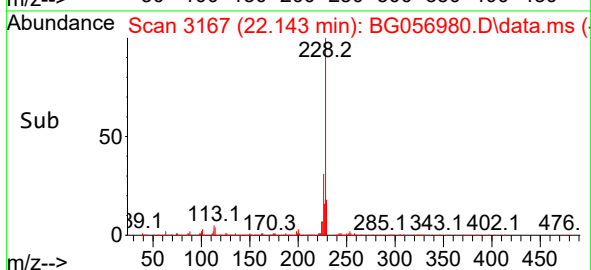
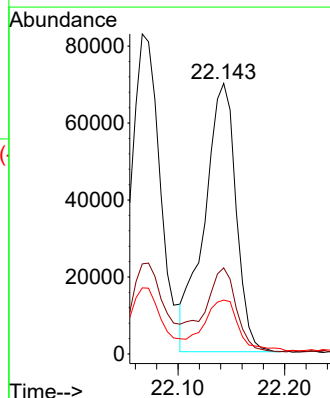
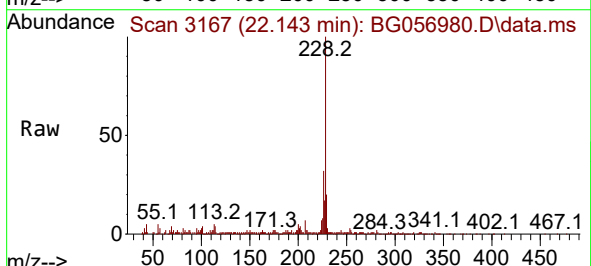
Tgt Ion:228 Resp: 144104

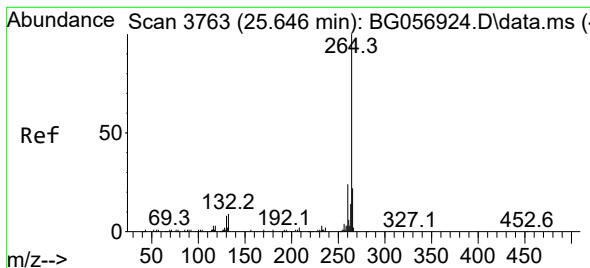
Ion Ratio Lower Upper

228 100

226 31.8 24.1 36.1

229 20.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.644 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056980.D

Acq: 5 Apr 2023 1:09

Instrument :

BNA_G

ClientSampleId :

EO-3-033123

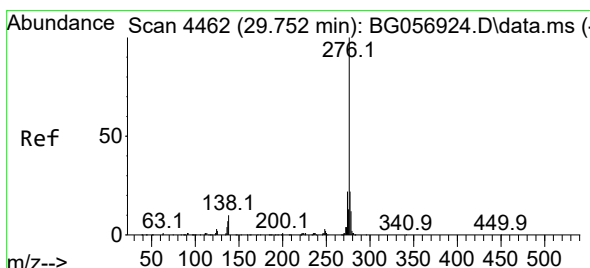
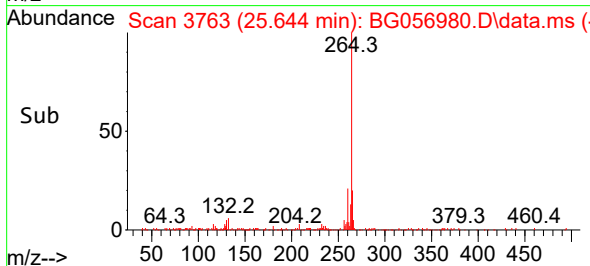
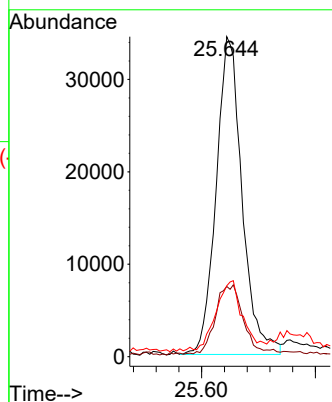
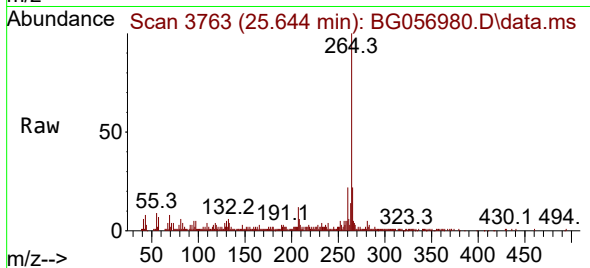
Tgt Ion:264 Resp: 108647

Ion Ratio Lower Upper

264 100

260 22.0 19.0 28.4

265 22.2 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.871 ng

RT: 29.744 min Scan# 4461

Delta R.T. -0.007 min

Lab File: BG056980.D

Acq: 5 Apr 2023 1:09

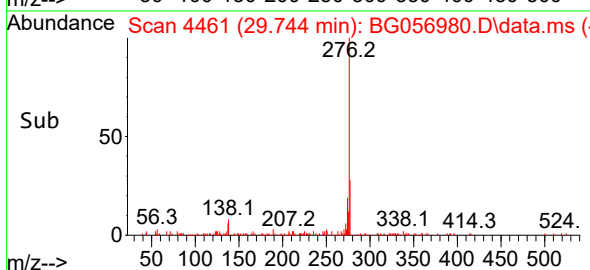
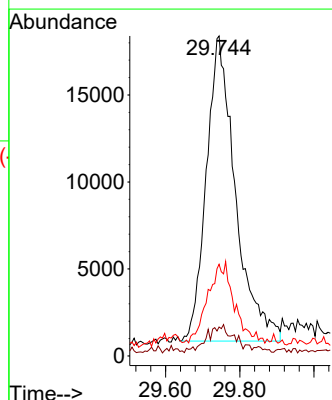
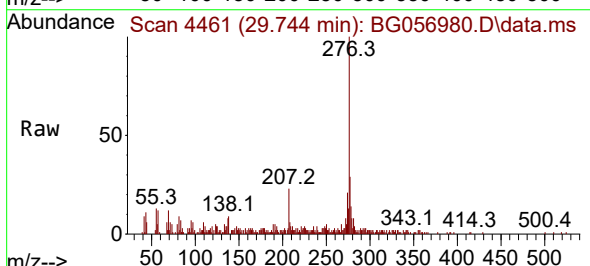
Tgt Ion:276 Resp: 95316

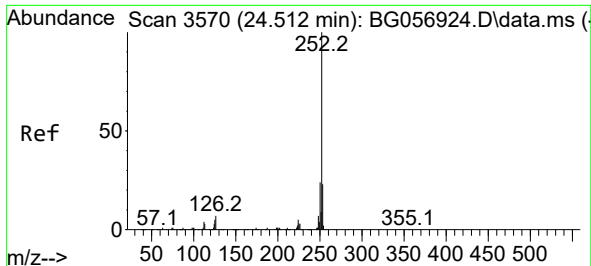
Ion Ratio Lower Upper

276 100

138 3.6 7.7 11.5#

277 0.0 21.0 31.4#

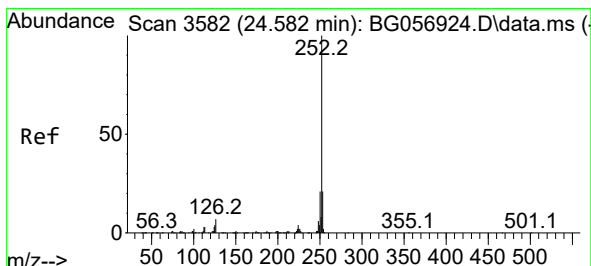
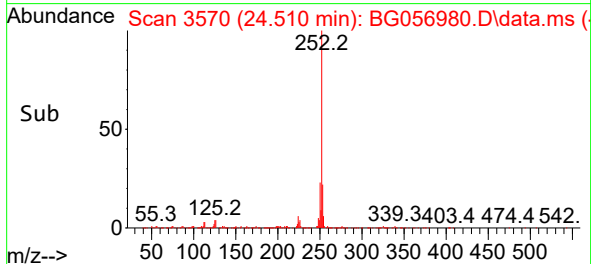
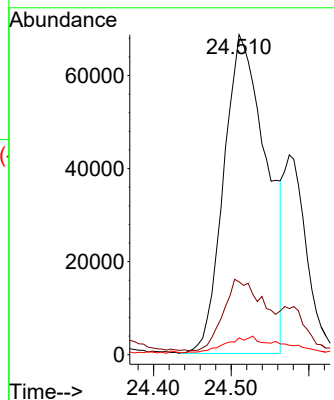
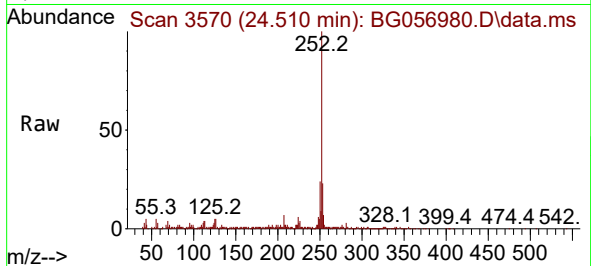




#88
Benzo(b)fluoranthene
Concen: 38.602 ng
RT: 24.510 min Scan# 3570
Delta R.T. -0.002 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

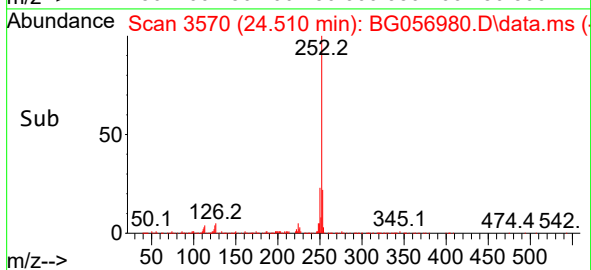
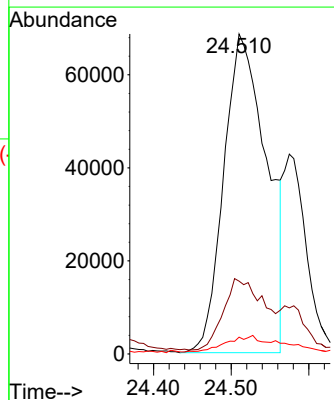
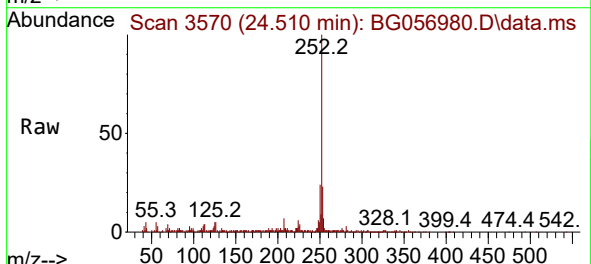
Instrument :
BNA_G
ClientSampleId :
EO-3-033123

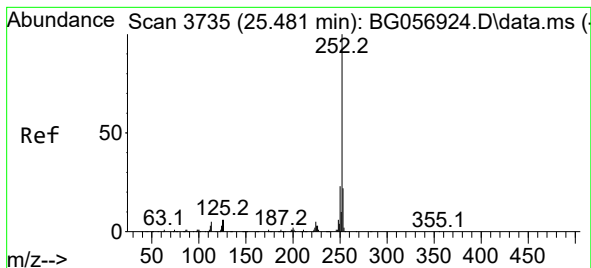
Tgt Ion:252 Resp: 262262
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 5.2 4.2 6.4



#89
Benzo(k)fluoranthene
Concen: 38.666 ng
RT: 24.510 min Scan# 3570
Delta R.T. -0.072 min
Lab File: BG056980.D
Acq: 5 Apr 2023 1:09

Tgt Ion:252 Resp: 262262
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 5.2 3.8 5.6





#90

Benzo(a)pyrene

Concen: 27.468 ng

RT: 25.480 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG056980.D

Acq: 5 Apr 2023 1:09

Instrument :

BNA_G

ClientSampleId :

EO-3-033123

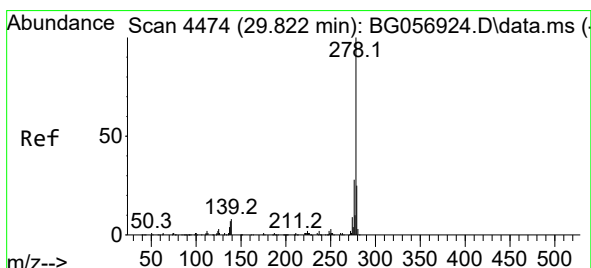
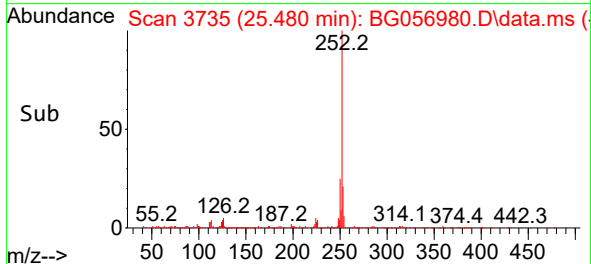
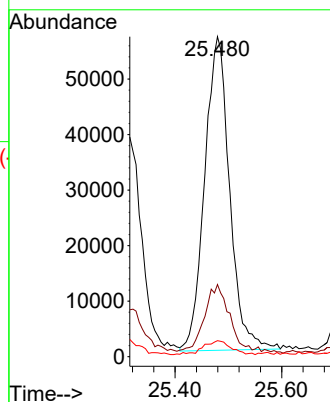
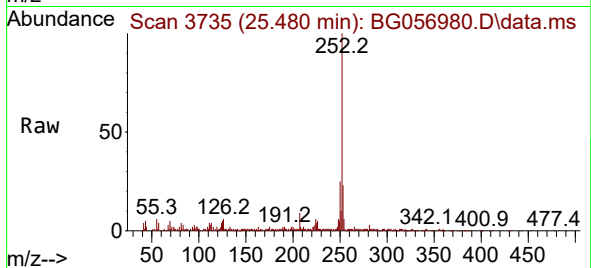
Tgt Ion:252 Resp: 183383

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 5.0 4.5 6.7



#91

Dibenzo(a,h)anthracene

Concen: 3.554 ng

RT: 29.791 min Scan# 4469

Delta R.T. -0.031 min

Lab File: BG056980.D

Acq: 5 Apr 2023 1:09

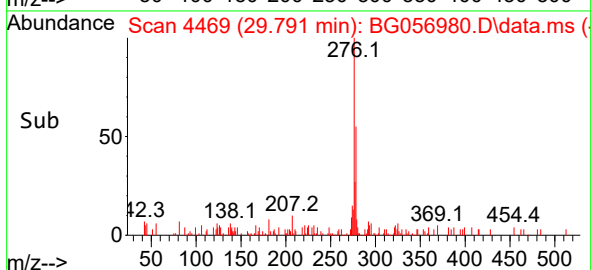
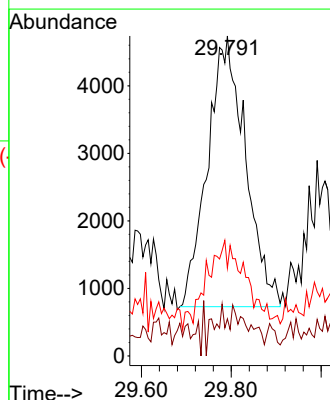
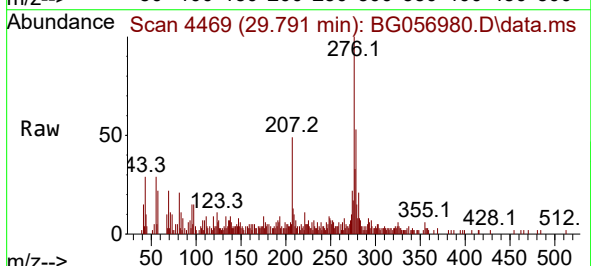
Tgt Ion:278 Resp: 23456

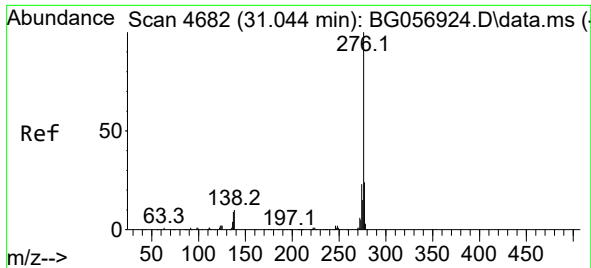
Ion Ratio Lower Upper

278 100

139 11.6 6.4 9.6#

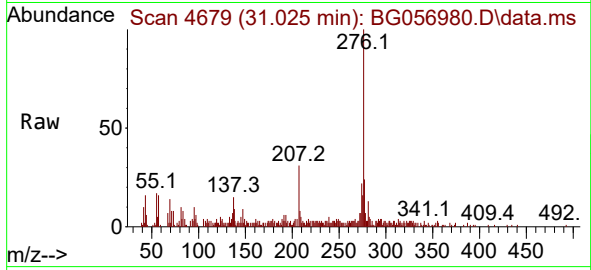
279 27.5 20.2 30.2





#92
 Benzo(g,h,i)perylene
 Concen: 12.236 ng
 RT: 31.025 min Scan# 4
 Delta R.T. -0.019 min
 Lab File: BG056980.D
 Acq: 5 Apr 2023 1:09

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-033123



Tgt Ion:276 Resp: 79081

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	9.4	8.2	12.2

