

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056527.D
 Acq On : 2 Feb 2023 23:39
 Operator : CG/JU
 Sample : 01382-01DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-3-013123DL

Quant Time: Feb 03 06:00:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

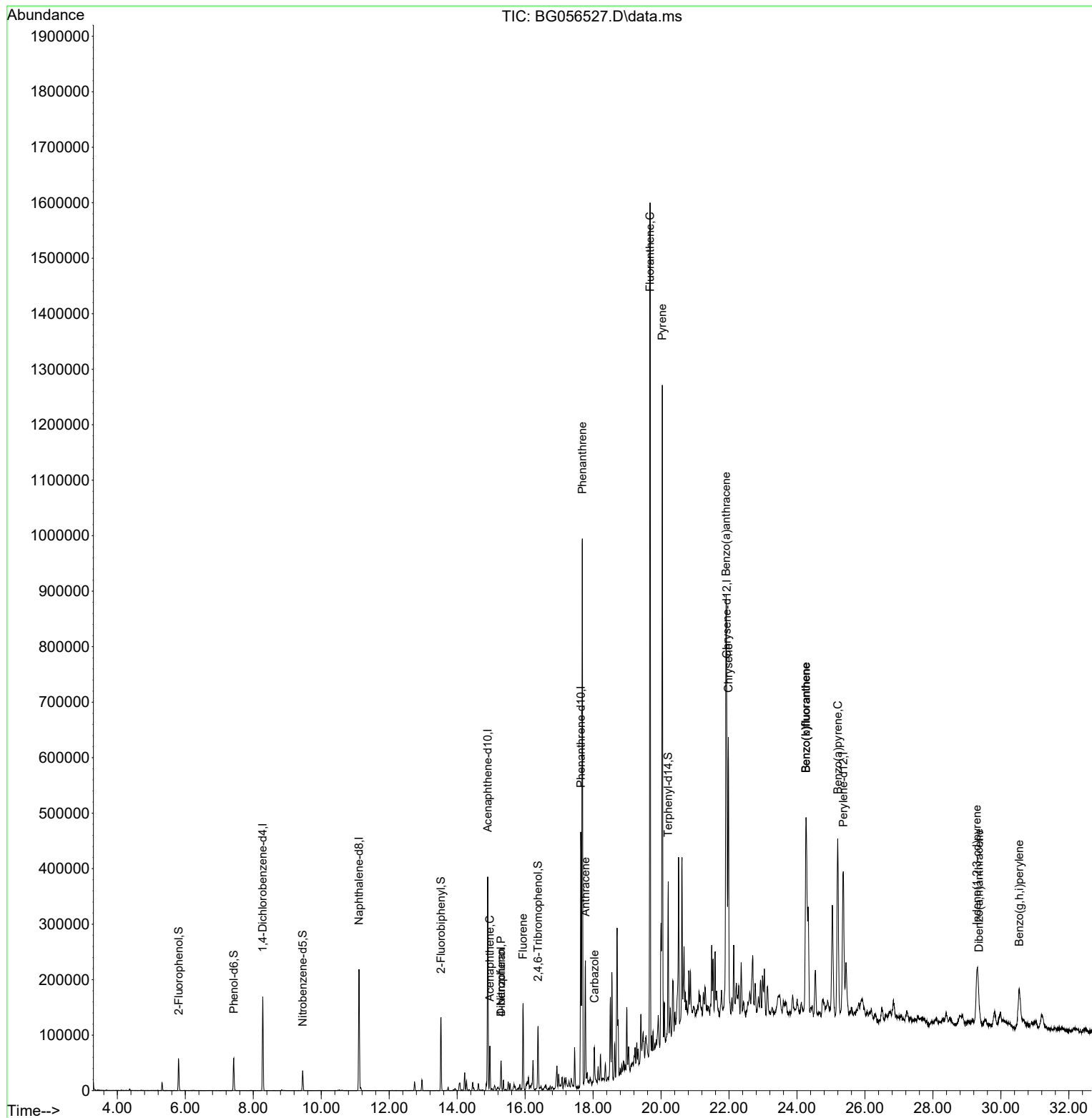
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.277	152	57887	20.000	ng	0.00
21) Naphthalene-d8	11.109	136	208083	20.000	ng	0.00
39) Acenaphthene-d10	14.899	164	147157	20.000	ng	0.00
64) Phenanthrene-d10	17.636	188	327901	20.000	ng	0.00
76) Chrysene-d12	21.931	240	306617	20.000	ng	0.00
86) Perylene-d12	25.363	264	344888	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.803	112	36342	11.549	ng	0.00
7) Phenol-d6	7.425	99	49593	10.637	ng	0.00
23) Nitrobenzene-d5	9.452	82	26052	7.109	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	19168	9.798	ng	0.00
45) 2-Fluorobiphenyl	13.518	172	80590	7.593	ng	0.00
79) Terphenyl-d14	20.210	244	123445	7.071	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.963	154	30472	3.786	ng	90
55) Dibenzofuran	15.292	168	34221	2.371	ng	94
56) 4-Nitrophenol	15.292	139	11525	6.701	ng	# 10
58) Fluorene	15.938	166	74696	6.503	ng	96
71) Phenanthrene	17.683	178	702120	40.912	ng	99
72) Anthracene	17.772	178	160367	9.103	ng	99
73) Carbazole	18.036	167	44398	2.959	ng	98
75) Fluoranthene	19.675	202	1030894	47.594	ng	99
78) Pyrene	20.034	202	834026	38.245	ng	98
81) Benzo(a)anthracene	21.908	228	459724	21.446	ng	99
83) Chrysene	21.978	228	403314	20.027	ng	96
87) Indeno(1,2,3-cd)pyrene	29.293	276	218561	8.657	ng	# 94
88) Benzo(b)fluoranthene	24.264	252	554232	25.890	ng	98
89) Benzo(k)fluoranthene	24.264	252	554232	25.643	ng	# 97
90) Benzo(a)pyrene	25.198	252	411320	19.506	ng	98
91) Dibenzo(a,h)anthracene	29.352	278	62401	2.945	ng	99
92) Benzo(g,h,i)perylene	30.539	276	193094	9.443	ng	99

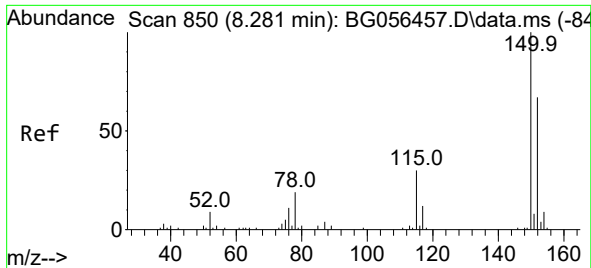
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 01 01:15:52 2023
Response via : Initial Calibration

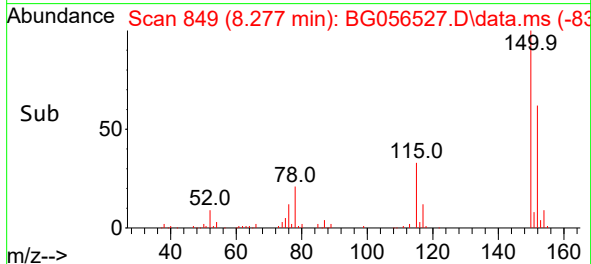
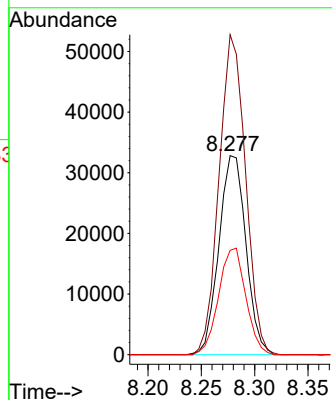
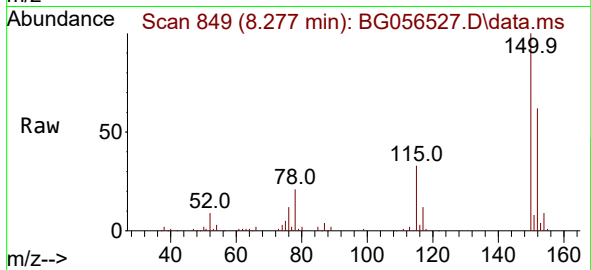




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.277 min Scan# 849
Delta R.T. 0.002 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

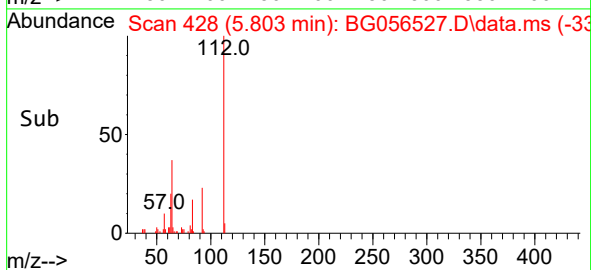
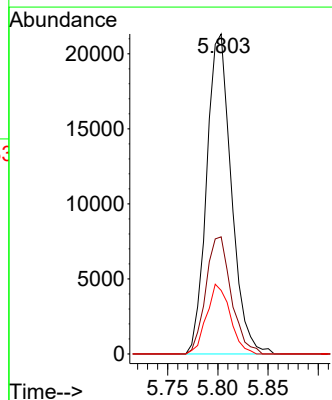
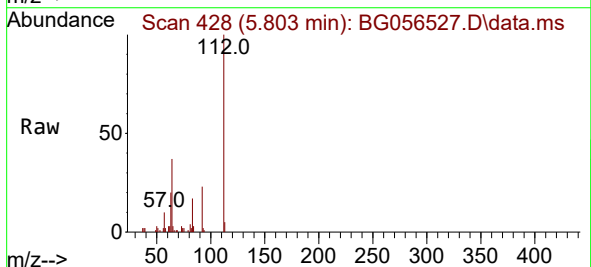
Instrument :
BNA_G
ClientSampleId :
OR-3-013123DL

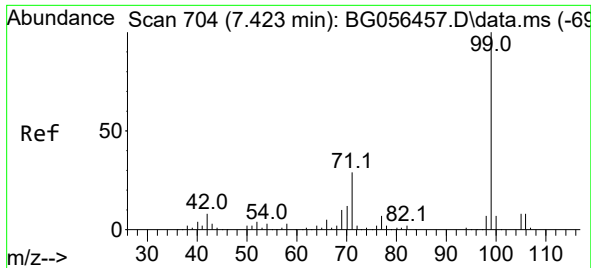
Tgt Ion:152 Resp: 57887
Ion Ratio Lower Upper
152 100
150 160.7 120.2 180.4
115 52.4 36.3 54.5



#5
2-Fluorophenol
Concen: 11.549 ng
RT: 5.803 min Scan# 428
Delta R.T. 0.007 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

Tgt Ion:112 Resp: 36342
Ion Ratio Lower Upper
112 100
64 36.6 31.9 47.9
63 19.9 17.4 26.0

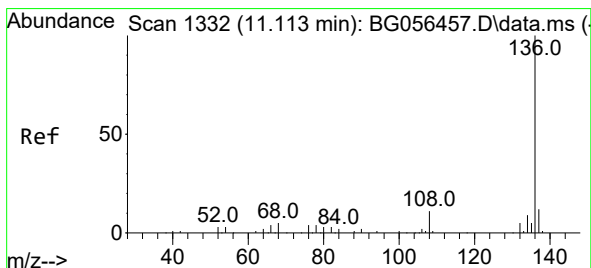
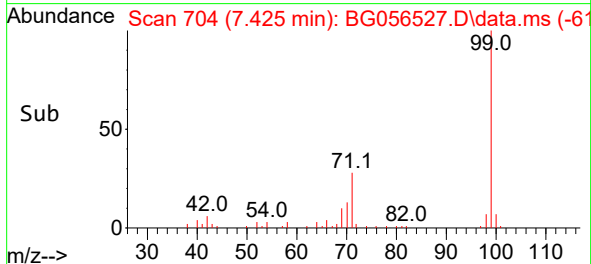
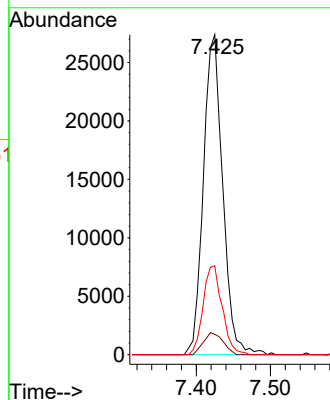
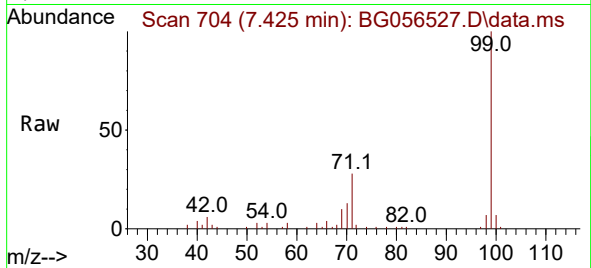




#7
Phenol-d6
Concen: 10.637 ng
RT: 7.425 min Scan# 704
Delta R.T. 0.007 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

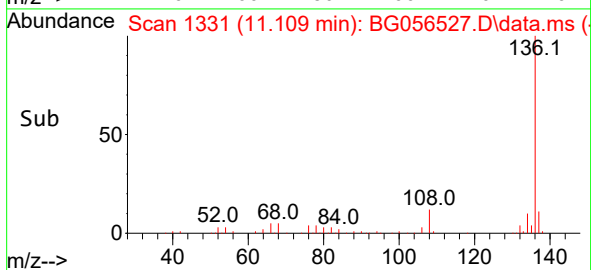
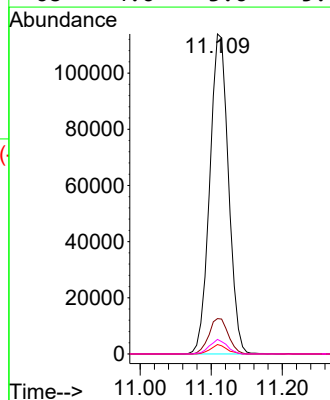
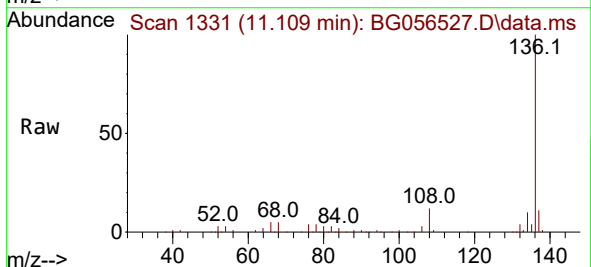
Instrument :
BNA_G
ClientSampleId :
OR-3-013123DL

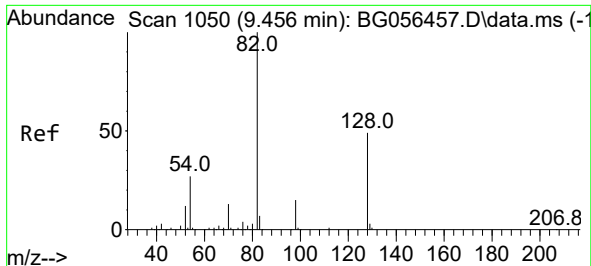
Tgt Ion: 99 Resp: 49593
Ion Ratio Lower Upper
99 100
42 6.4 6.6 10.0#
71 27.8 23.4 35.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.109 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

Tgt Ion:136 Resp: 208083
Ion Ratio Lower Upper
136 100
137 11.1 9.4 14.0
54 3.0 2.2 3.4
68 4.6 3.6 5.4

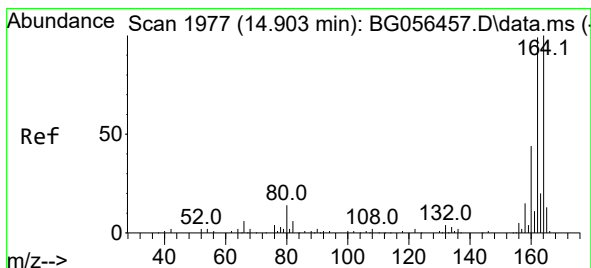
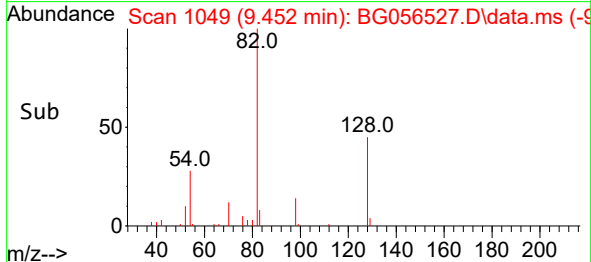
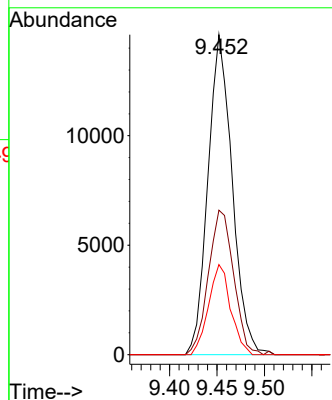
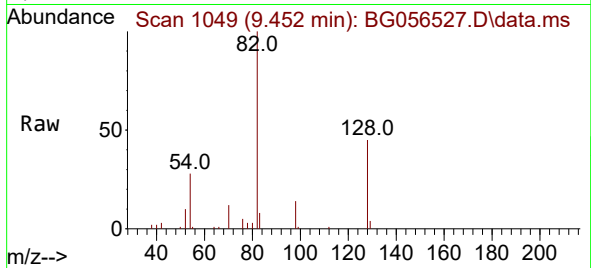




#23
Nitrobenzene-d5
Concen: 7.109 ng
RT: 9.452 min Scan# 1049
Delta R.T. -0.004 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

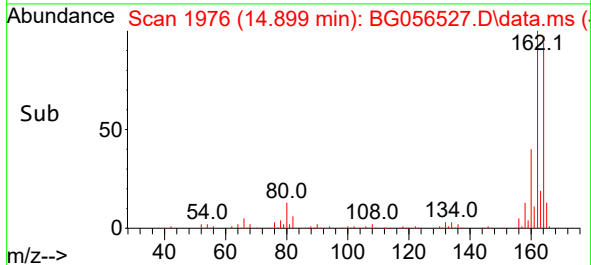
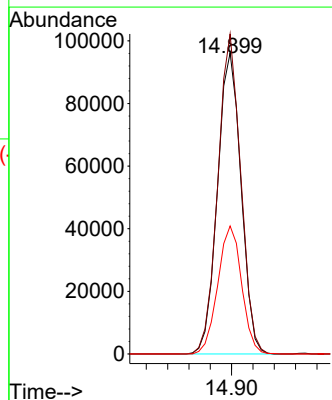
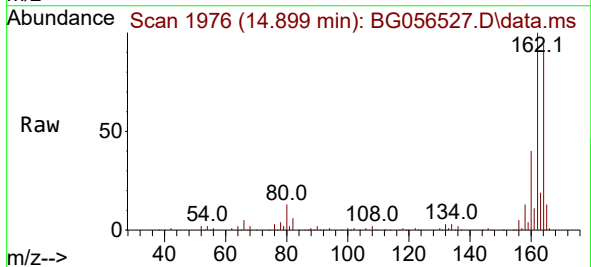
Instrument :
BNA_G
ClientSampleId :
OR-3-013123DL

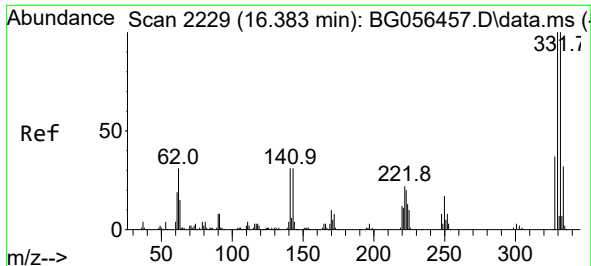
Tgt Ion: 82 Resp: 26052
Ion Ratio Lower Upper
82 100
128 45.2 39.4 59.2
54 28.1 21.4 32.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.899 min Scan# 1976
Delta R.T. 0.001 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

Tgt Ion:164 Resp: 147157
Ion Ratio Lower Upper
164 100
162 106.3 79.6 119.4
160 42.5 34.9 52.3

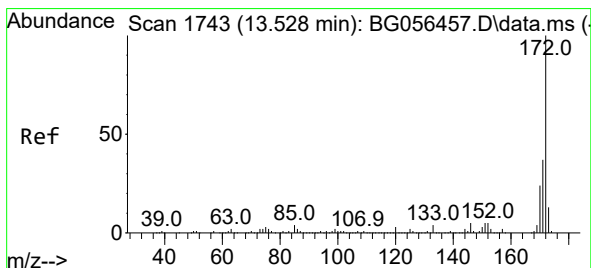
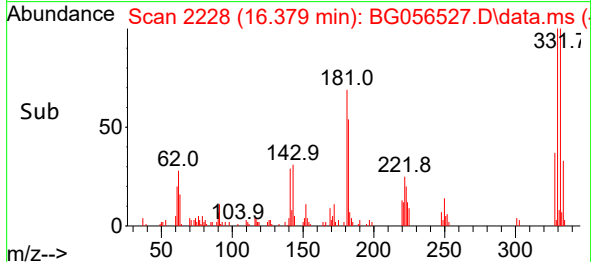
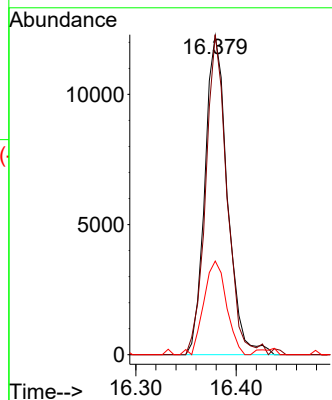
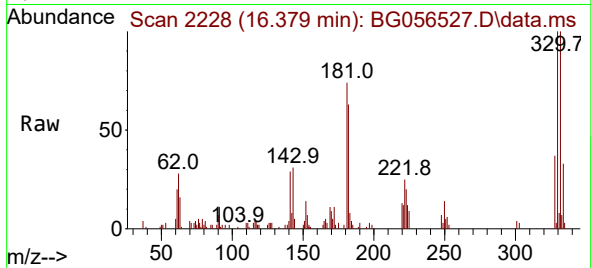




#42
2,4,6-Tribromophenol
Concen: 9.798 ng
RT: 16.379 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

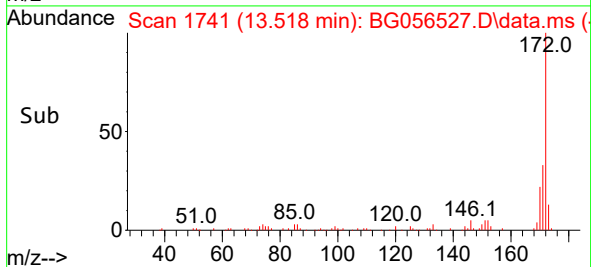
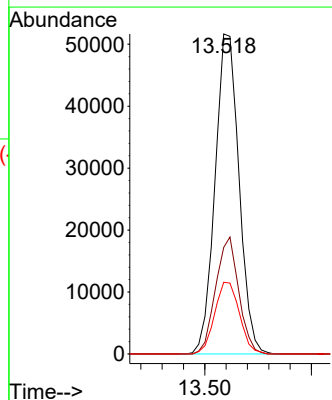
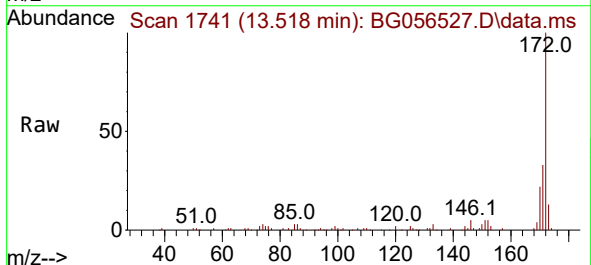
Instrument :
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ClientSampleId :
OR-3-013123DL

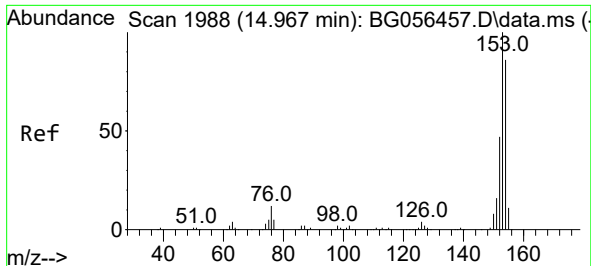
Tgt Ion:330 Resp: 19168
Ion Ratio Lower Upper
330 100
332 95.4 79.0 118.6
141 29.3 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 7.593 ng
RT: 13.518 min Scan# 1741
Delta R.T. -0.004 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

Tgt Ion:172 Resp: 80590
Ion Ratio Lower Upper
172 100
171 33.3 29.5 44.3
170 22.4 19.2 28.8

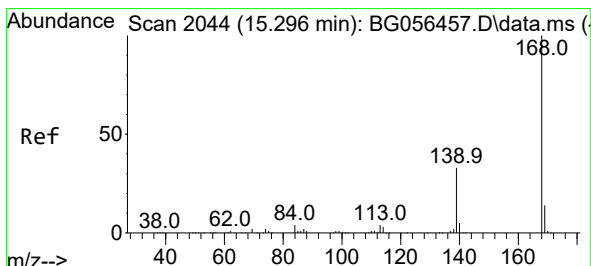
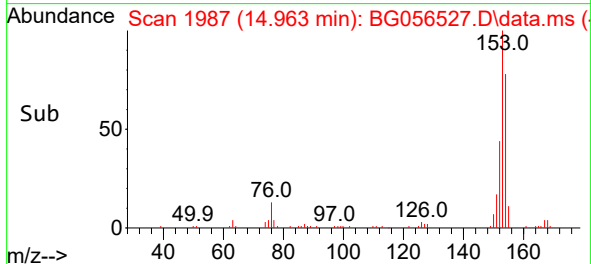
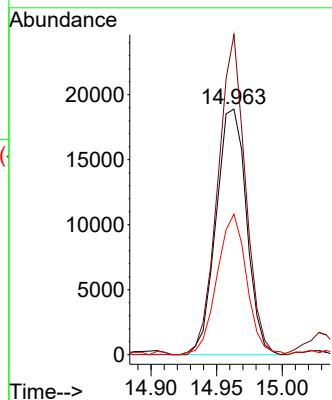
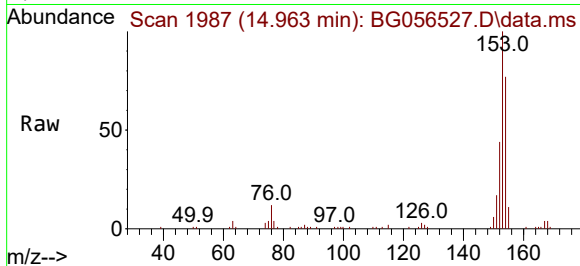




#52
Acenaphthene
Concen: 3.786 ng
RT: 14.963 min Scan# 1988
Delta R.T. 0.001 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

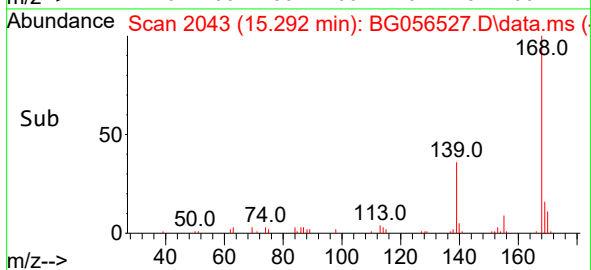
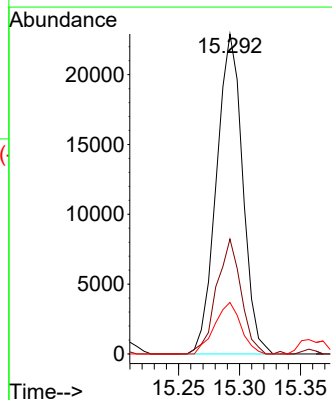
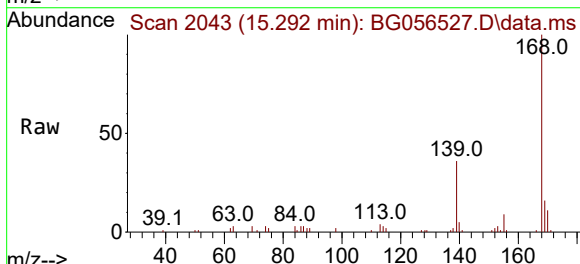
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ClientSampleId :
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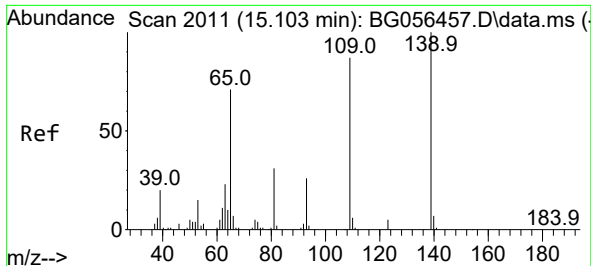
Tgt Ion:154 Resp: 30472
Ion Ratio Lower Upper
154 100
153 130.3 93.4 140.0
152 57.2 43.4 65.2



#55
Dibenzofuran
Concen: 2.371 ng
RT: 15.292 min Scan# 2043
Delta R.T. 0.001 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

Tgt Ion:168 Resp: 34221
Ion Ratio Lower Upper
168 100
139 35.9 26.2 39.2
169 16.1 11.0 16.6

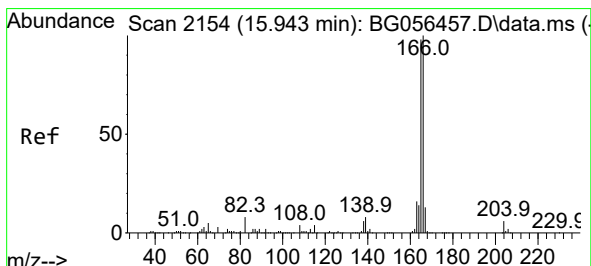
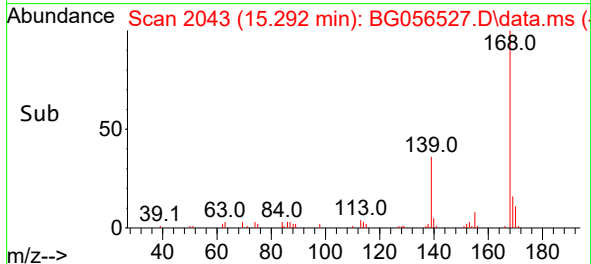
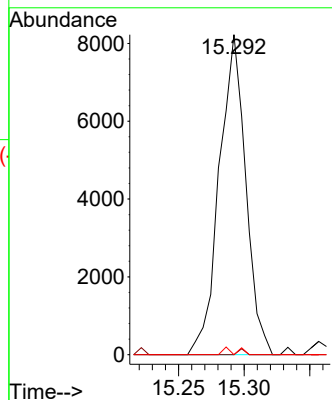
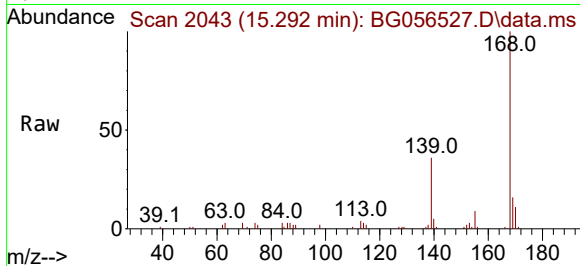




#56
4-Nitrophenol
Concen: 6.701 ng
RT: 15.292 min Scan# 2011
Delta R.T. 0.195 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

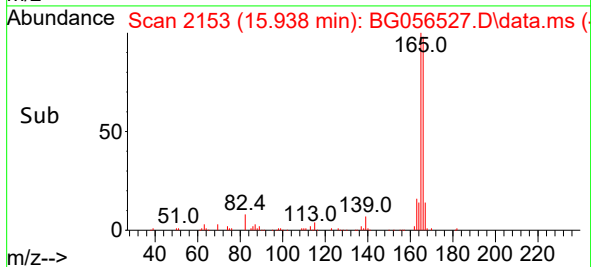
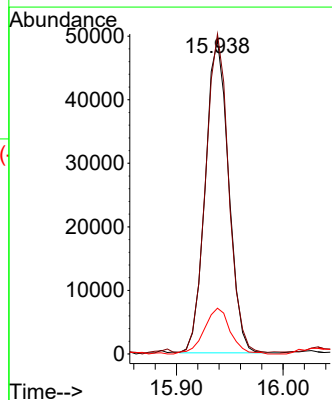
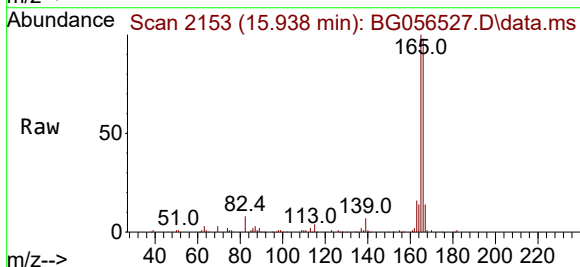
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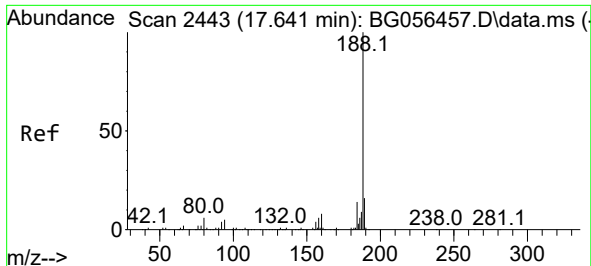
Tgt Ion:139 Resp: 11525
Ion Ratio Lower Upper
139 100
109 0.0 67.5 107.5#
65 0.0 50.7 90.7#



#58
Fluorene
Concen: 6.503 ng
RT: 15.938 min Scan# 2153
Delta R.T. 0.001 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

Tgt Ion:166 Resp: 74696
Ion Ratio Lower Upper
166 100
165 102.0 78.8 118.2
167 14.6 10.6 15.8

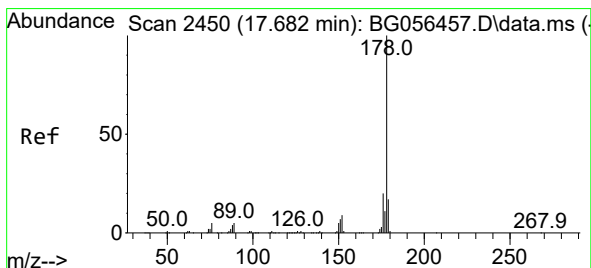
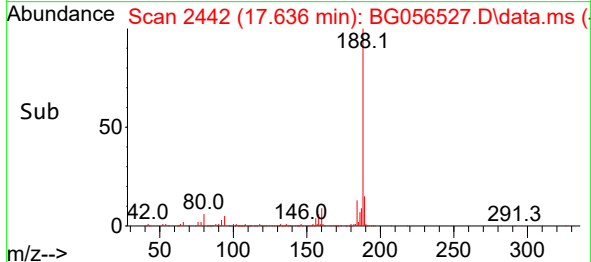
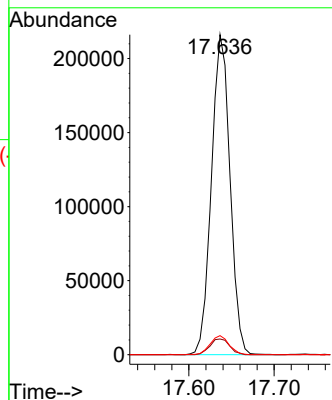
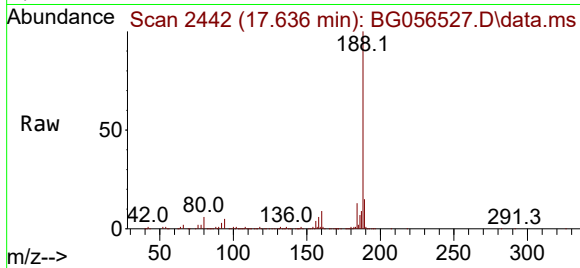




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.636 min Scan# 2443
Delta R.T. 0.001 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

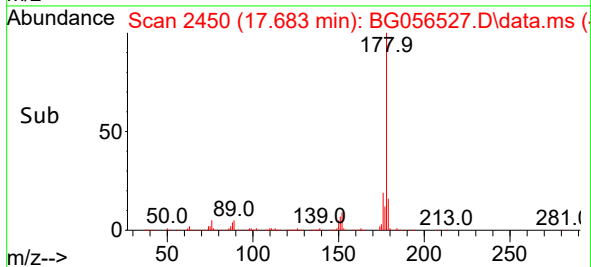
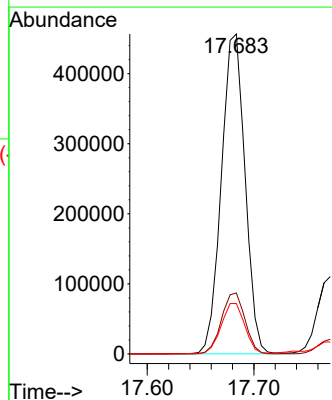
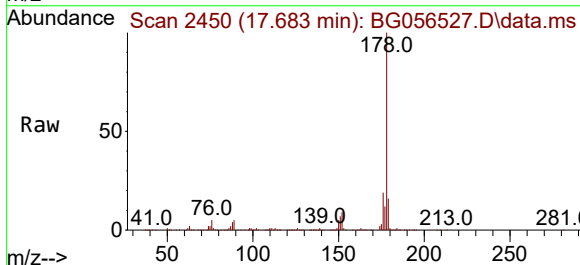
Instrument :
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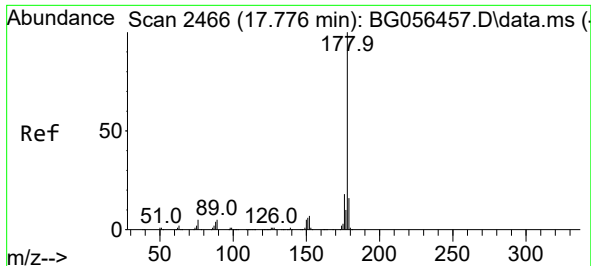
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Ion Ratio Lower Upper
188 100
94 4.9 4.1 6.1
80 5.9 5.0 7.4



#71
Phenanthrene
Concen: 40.912 ng
RT: 17.683 min Scan# 2450
Delta R.T. 0.007 min
Lab File: BG056527.D
Acq: 2 Feb 2023 23:39

Tgt Ion:178 Resp: 702120
Ion Ratio Lower Upper
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176 19.0 15.6 23.4
179 15.8 13.3 19.9

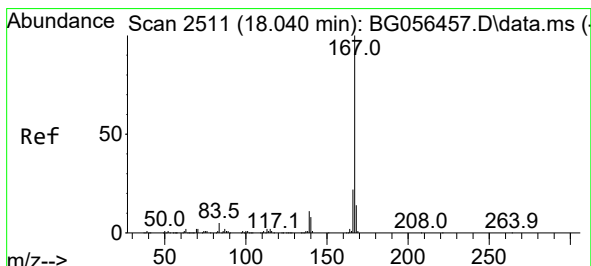
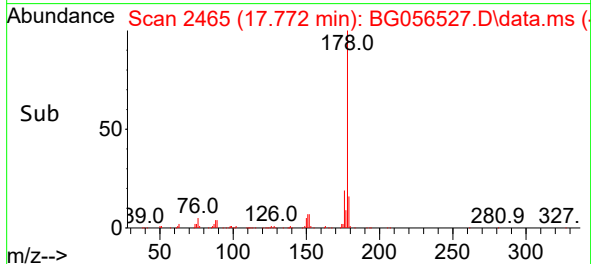
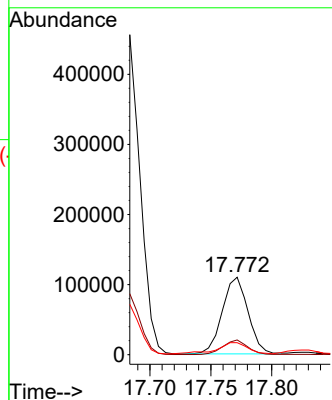
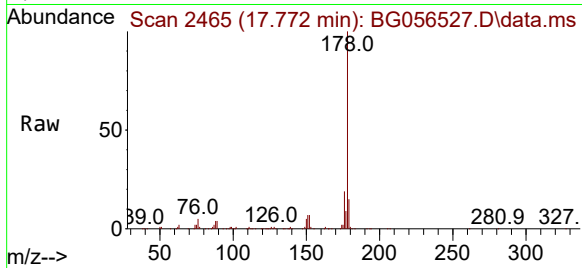




#72
 Anthracene
 Concen: 9.103 ng
 RT: 17.772 min Scan# 2466
 Delta R.T. 0.001 min
 Lab File: BG056527.D
 Acq: 2 Feb 2023 23:39

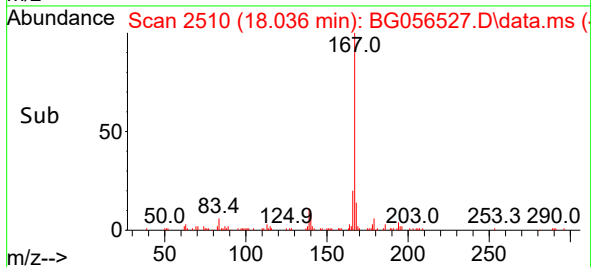
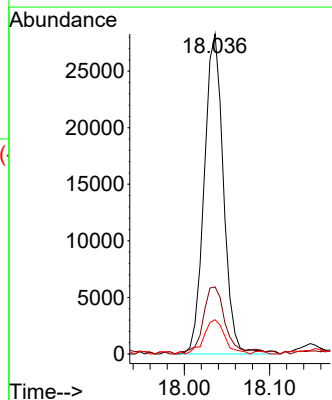
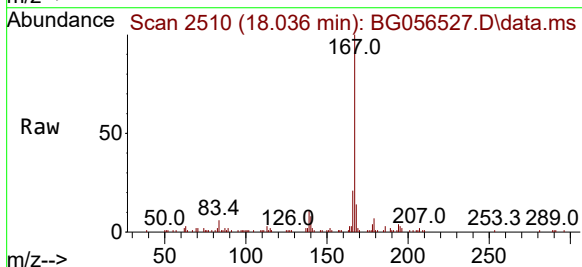
Instrument :
 BNA_G
 ClientSampleId :
 OR-3-013123DL

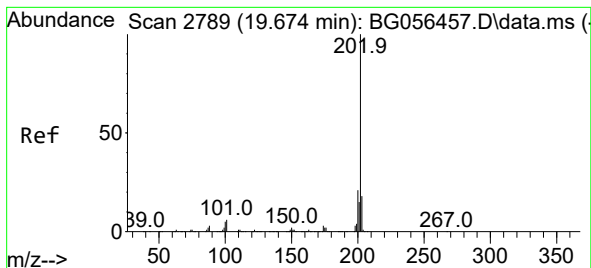
Tgt Ion:178 Resp: 160367
 Ion Ratio Lower Upper
 178 100
 176 19.1 14.5 21.7
 179 15.5 12.5 18.7



#73
 Carbazole
 Concen: 2.959 ng
 RT: 18.036 min Scan# 2510
 Delta R.T. 0.001 min
 Lab File: BG056527.D
 Acq: 2 Feb 2023 23:39

Tgt Ion:167 Resp: 44398
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.8 26.6
 139 10.7 8.9 13.3





#75

Fluoranthene

Concen: 47.594 ng

RT: 19.675 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

Instrument :

BNA_G

ClientSampleId :

OR-3-013123DL

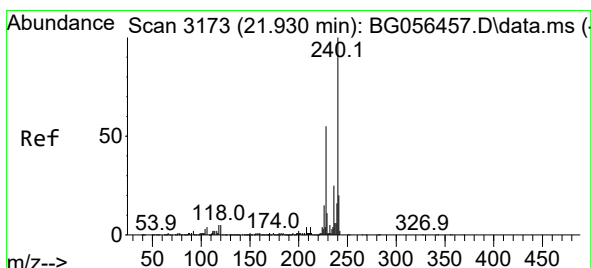
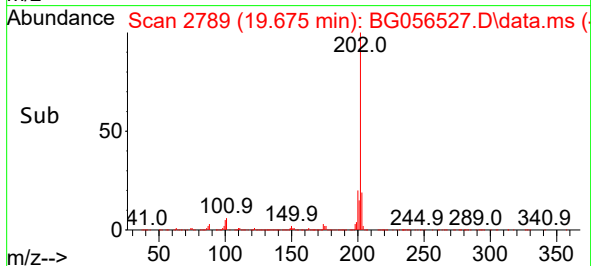
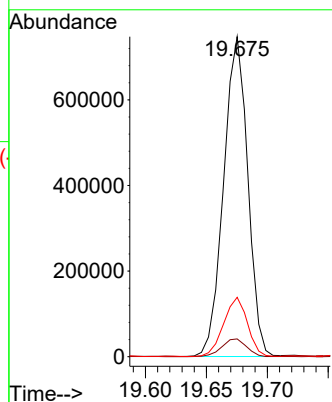
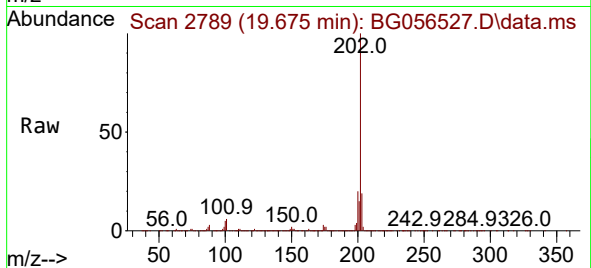
Tgt Ion:202 Resp: 1030894

Ion Ratio Lower Upper

202 100

101 5.6 0.0 25.6

203 18.5 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.931 min Scan# 3173

Delta R.T. 0.007 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

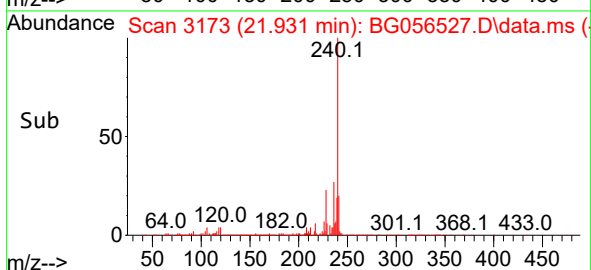
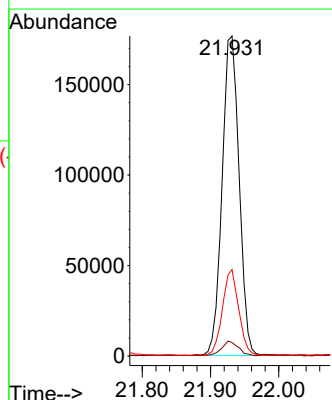
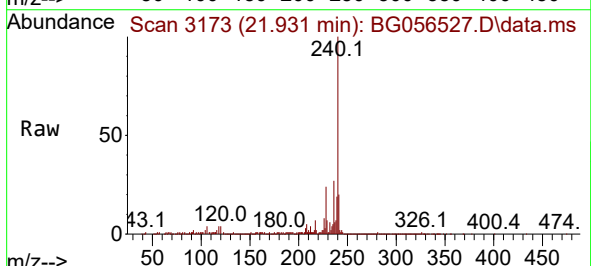
Tgt Ion:240 Resp: 306617

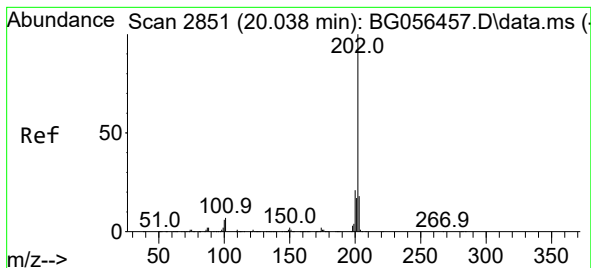
Ion Ratio Lower Upper

240 100

120 4.2 3.8 5.8

236 27.0 20.2 30.2





#78

Pyrene

Concen: 38.245 ng

RT: 20.034 min Scan# 2

Delta R.T. 0.001 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

Instrument :

BNA_G

ClientSampleId :

OR-3-013123DL

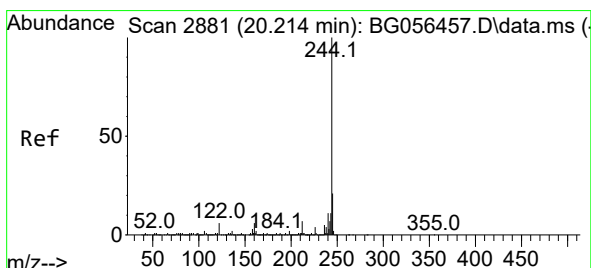
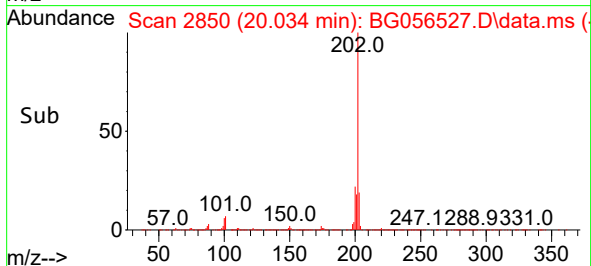
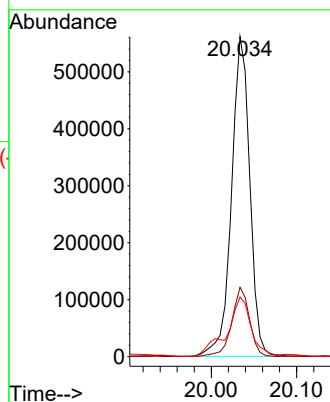
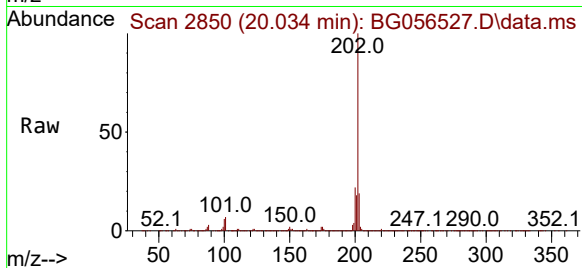
Tgt Ion:202 Resp: 834026

Ion Ratio Lower Upper

202 100

200 21.7 16.7 25.1

203 18.6 14.4 21.6



#79

Terphenyl-d14

Concen: 7.071 ng

RT: 20.210 min Scan# 2880

Delta R.T. 0.001 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

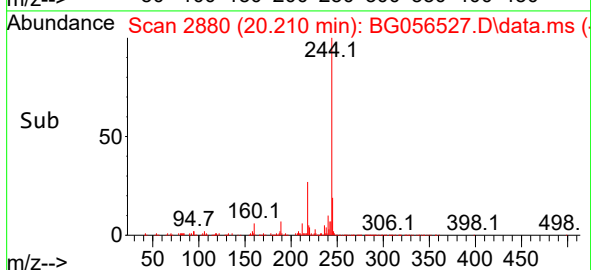
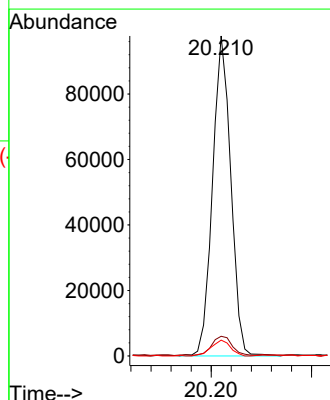
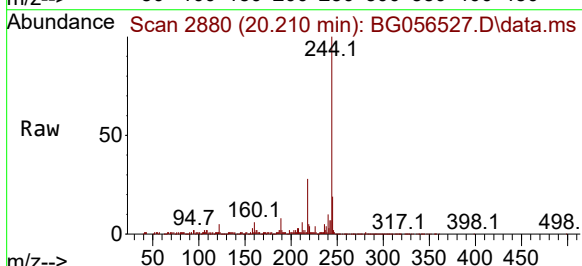
Tgt Ion:244 Resp: 123445

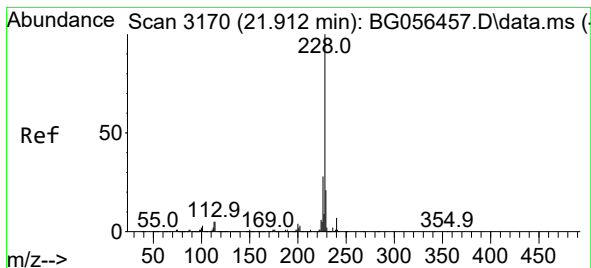
Ion Ratio Lower Upper

244 100

212 6.2 5.5 8.3

122 4.9 4.4 6.6





#81

Benzo(a)anthracene

Concen: 21.446 ng

RT: 21.908 min Scan# 3169

Delta R.T. 0.007 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

Instrument :

BNA_G

ClientSampleId :

OR-3-013123DL

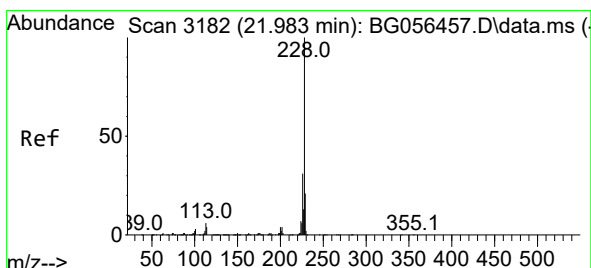
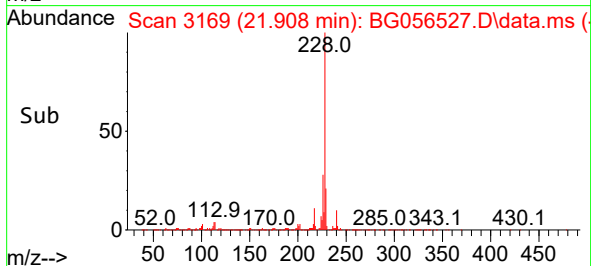
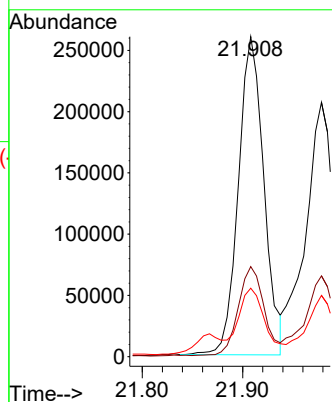
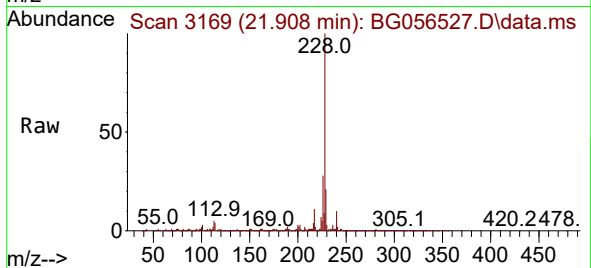
Tgt Ion:228 Resp: 459724

Ion Ratio Lower Upper

228 100

226 28.2 22.4 33.6

229 21.4 16.5 24.7



#83

Chrysene

Concen: 20.027 ng

RT: 21.978 min Scan# 3181

Delta R.T. 0.001 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

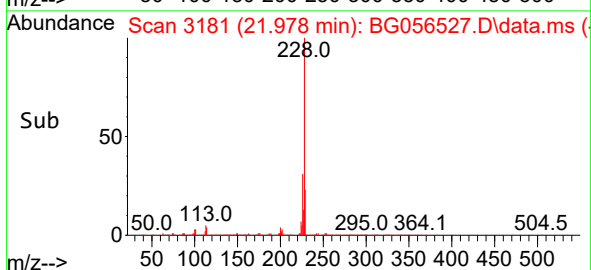
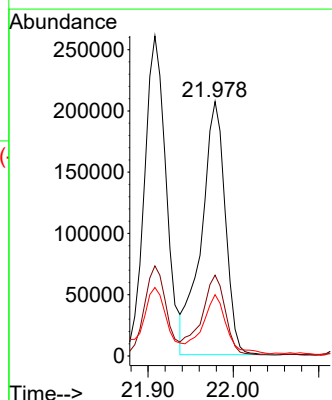
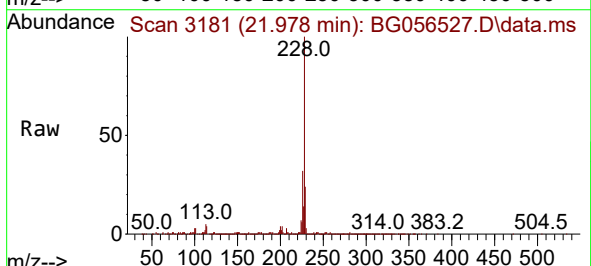
Tgt Ion:228 Resp: 403314

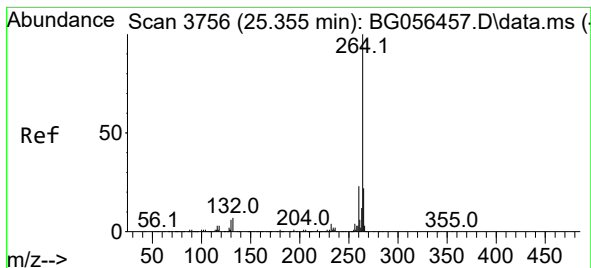
Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.4

229 24.1 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.363 min Scan# 31

Delta R.T. 0.019 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

Instrument :

BNA_G

ClientSampleId :

OR-3-013123DL

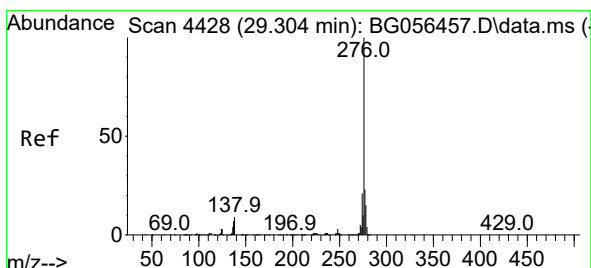
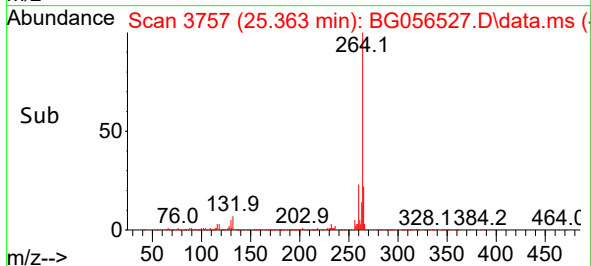
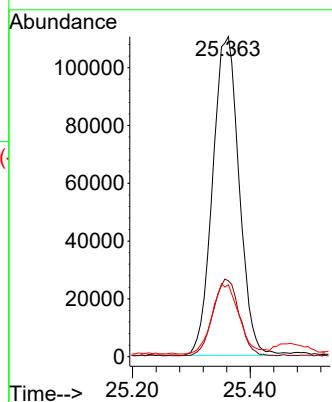
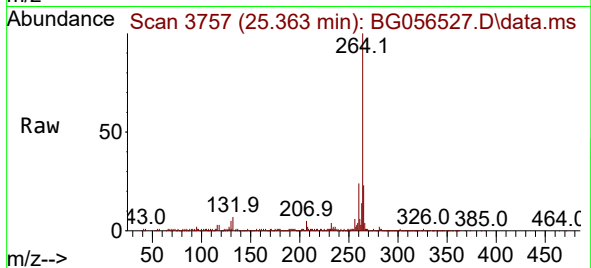
Tgt Ion:264 Resp: 344888

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 22.5 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.657 ng

RT: 29.293 min Scan# 4426

Delta R.T. 0.013 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

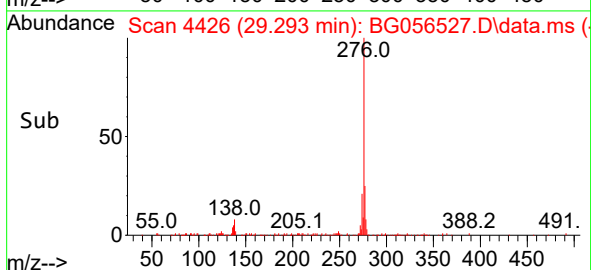
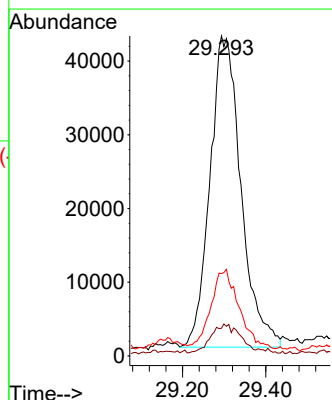
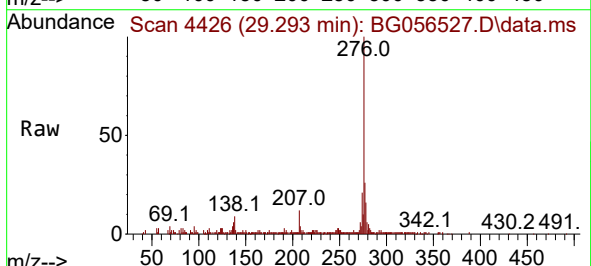
Tgt Ion:276 Resp: 218561

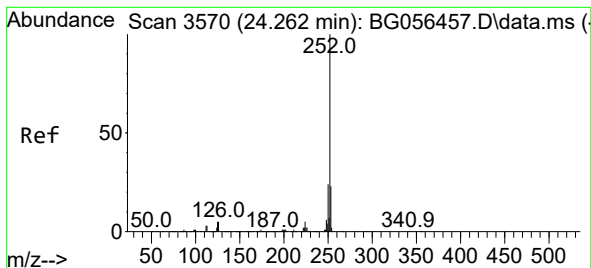
Ion Ratio Lower Upper

276 100

138 8.4 9.4 14.2#

277 23.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 25.890 ng

RT: 24.264 min Scan# 3570

Delta R.T. 0.013 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

Instrument :

BNA_G

ClientSampleId :

OR-3-013123DL

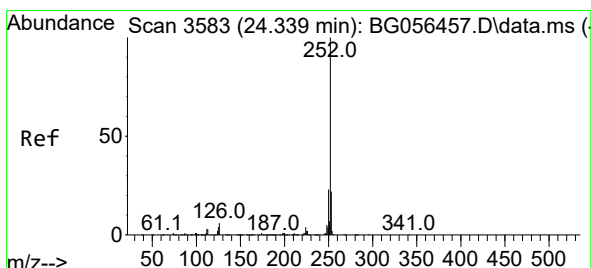
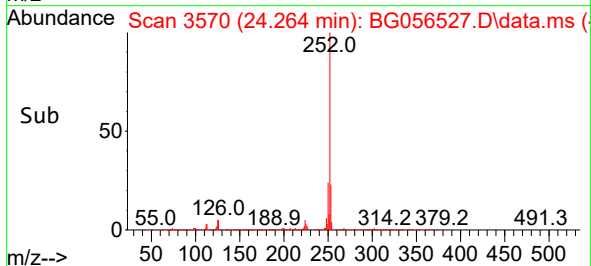
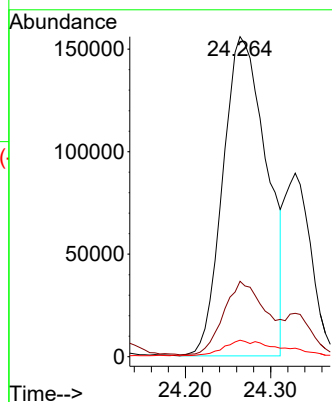
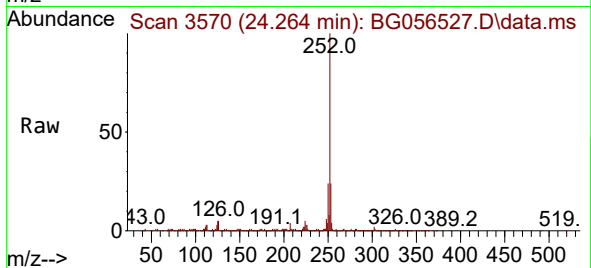
Tgt Ion:252 Resp: 554232

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

125 5.1 3.9 5.9



#89

Benzo(k)fluoranthene

Concen: 25.643 ng

RT: 24.264 min Scan# 3570

Delta R.T. -0.057 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

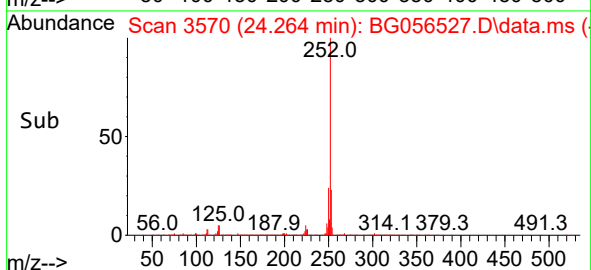
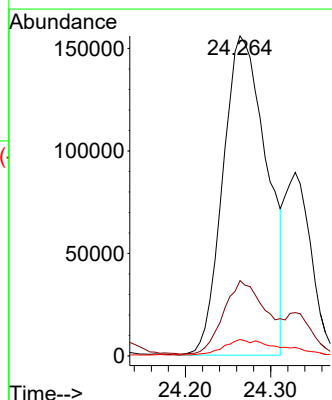
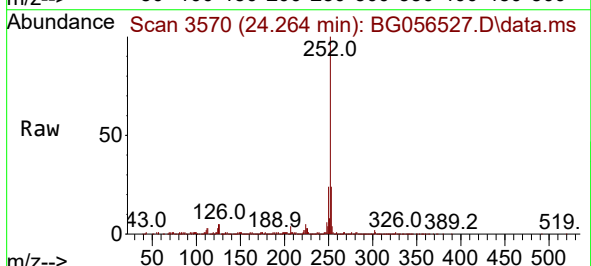
Tgt Ion:252 Resp: 554232

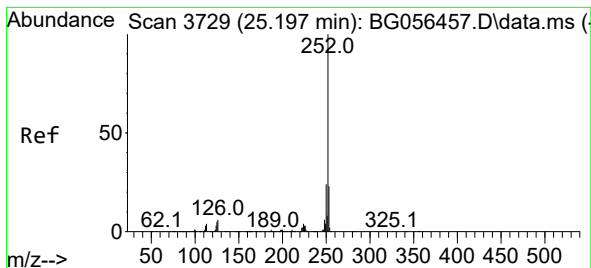
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 5.1 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 19.506 ng

RT: 25.198 min Scan# 31

Delta R.T. 0.013 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

Instrument :

BNA_G

ClientSampleId :

OR-3-013123DL

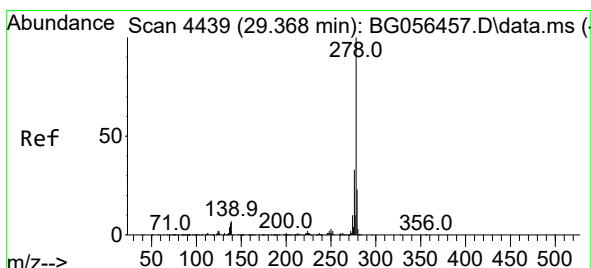
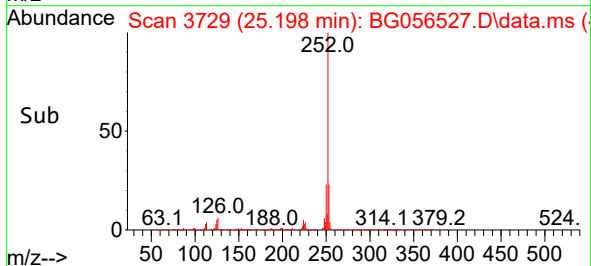
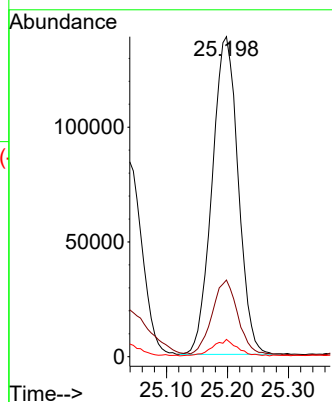
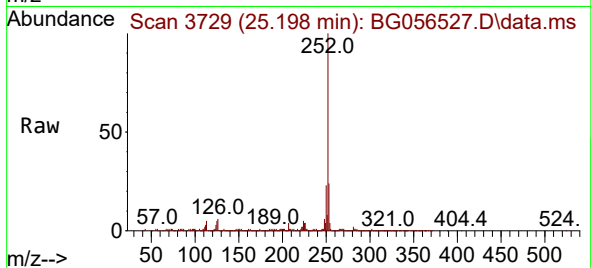
Tgt Ion:252 Resp: 411320

Ion Ratio Lower Upper

252 100

253 24.0 18.4 27.6

125 5.4 4.1 6.1



#91

Dibenzo(a,h)anthracene

Concen: 2.945 ng

RT: 29.352 min Scan# 4436

Delta R.T. 0.007 min

Lab File: BG056527.D

Acq: 2 Feb 2023 23:39

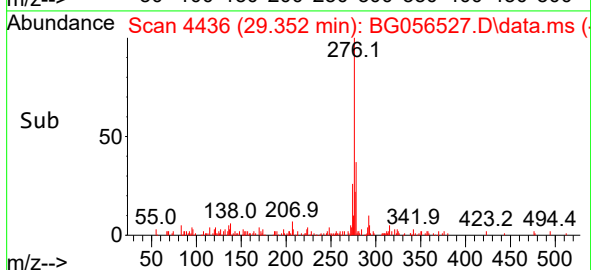
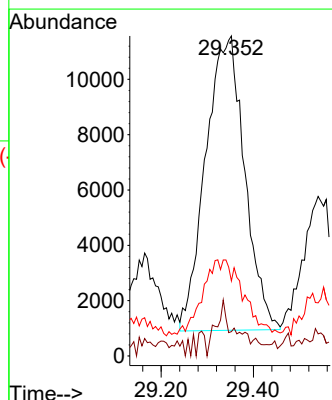
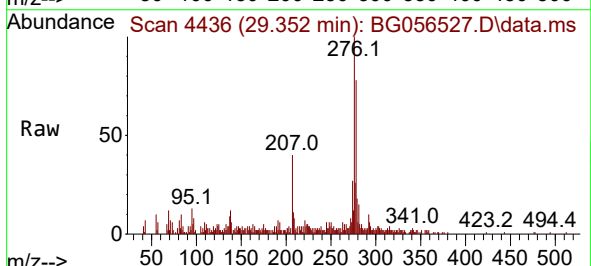
Tgt Ion:278 Resp: 62401

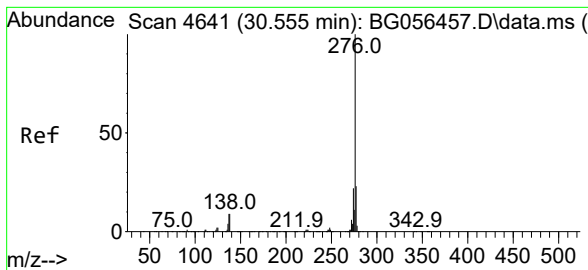
Ion Ratio Lower Upper

278 100

139 7.6 5.5 8.3

279 23.5 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 9.443 ng
 RT: 30.539 min Scan# 4
 Delta R.T. 0.013 min
 Lab File: BG056527.D
 Acq: 2 Feb 2023 23:39

Instrument :
 BNA_G
 ClientSampleId :
 OR-3-013123DL

Tgt Ion:276 Resp: 193094
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.5 27.7
 138 10.1 7.4 11.0

