

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
 Data File : BG056560.D
 Acq On : 6 Feb 2023 18:27
 Operator : CG/JU
 Sample : 01432-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DOMINICK-STREET-UTLIITY-RELOCATION-EXCAVATION

Quant Time: Feb 07 04:35:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 04:30:04 2023
 Response via : Initial Calibration

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

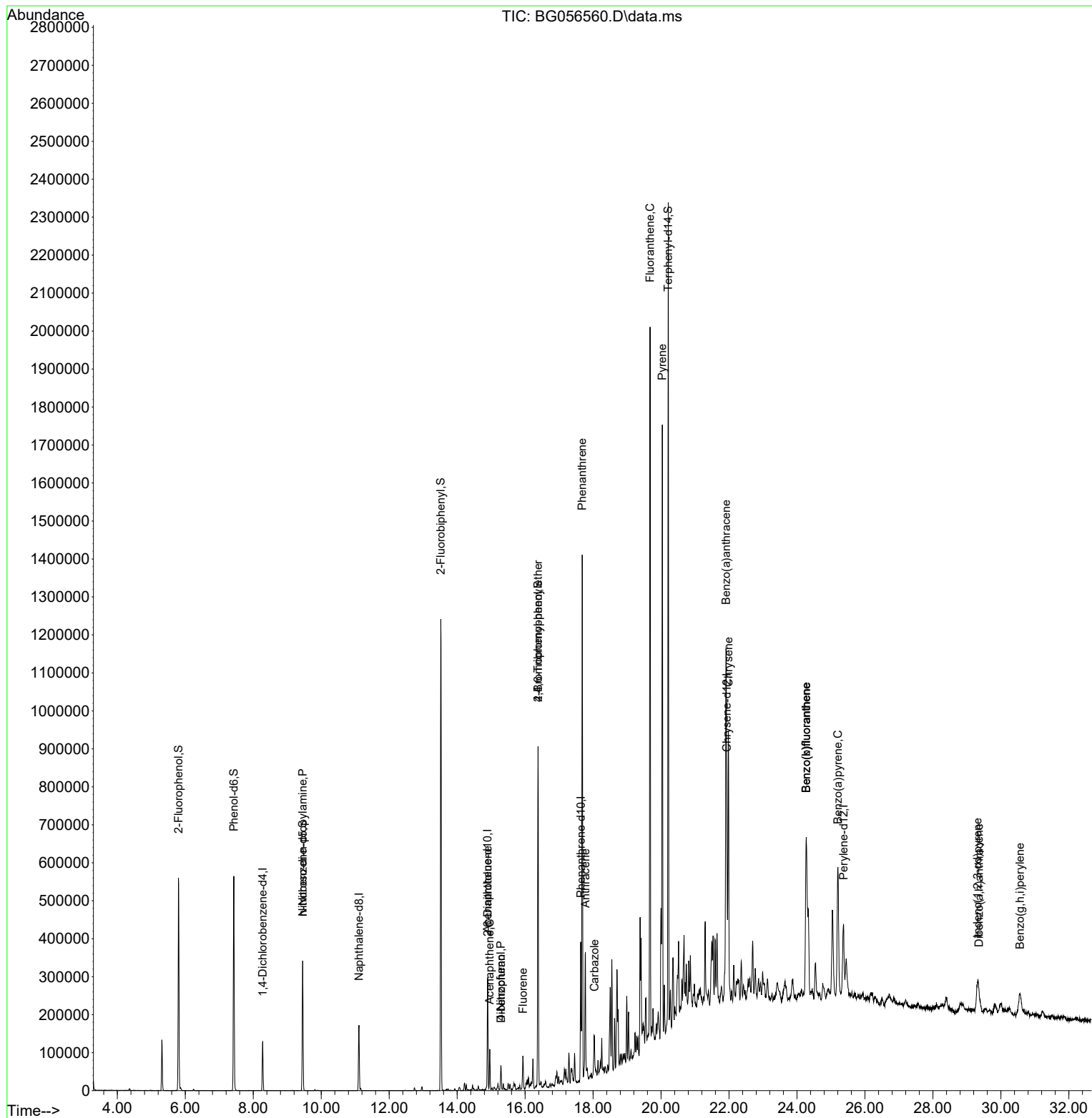
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.278	152	43047	20.000	ng	0.00
21) Naphthalene-d8	11.109	136	162922	20.000	ng	0.00
39) Acenaphthene-d10	14.893	164	114145	20.000	ng	0.00
64) Phenanthrene-d10	17.637	188	254157	20.000	ng	0.00
76) Chrysene-d12	21.932	240	241031	20.000	ng	0.00
86) Perylene-d12	25.369	264	252161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	334050	142.754	ng	0.00
7) Phenol-d6	7.426	99	449737	129.713	ng	0.00
23) Nitrobenzene-d5	9.453	82	238377	83.084	ng	0.00
42) 2,4,6-Tribromophenol	16.380	330	185093	121.973	ng	0.00
45) 2-Fluorobiphenyl	13.518	172	732580	88.980	ng	0.00
79) Terphenyl-d14	20.211	244	1118646	81.514	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.420	77	842	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.453	70	29449	14.739	ng	# 75
51) 2,6-Dinitrotoluene	14.899	165	16371	8.129	ng	# 37
52) Acenaphthene	14.958	154	40692	6.517	ng	96
55) Dibenzofuran	15.293	168	43171	3.856	ng	98
56) 4-Nitrophenol	15.287	139	14215	10.655	ng	# 12
58) Fluorene	15.939	166	40249	4.517	ng	97
67) 4-Bromophenyl-phenylether	16.380	248	14546	4.471	ng	# 1
71) Phenanthrene	17.678	178	954987	71.792	ng	100
72) Anthracene	17.772	178	244363	17.896	ng	99
73) Carbazole	18.037	167	73895	6.354	ng	97
75) Fluoranthene	19.676	202	1266902	75.461	ng	98
78) Pyrene	20.034	202	1138026	66.386	ng	98
81) Benzo(a)anthracene	21.909	228	650438	38.600	ng	99
83) Chrysene	21.979	228	536162	33.868	ng	97
87) Indeno(1,2,3-cd)pyrene	29.312	276	202109	10.949	ng	# 87
88) Benzo(b)fluoranthene	24.271	252	652548	41.693	ng	98
89) Benzo(k)fluoranthene	24.271	252	652548	41.295	ng	97
90) Benzo(a)pyrene	25.199	252	488052	31.656	ng	98
91) Dibenzo(a,h)anthracene	29.359	278	52204	3.369	ng	# 80
92) Benzo(g,h,i)perylene	30.563	276	172266	11.523	ng	# 90

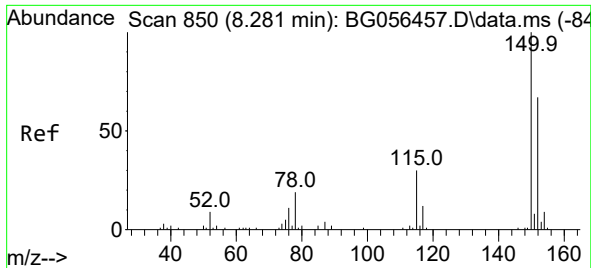
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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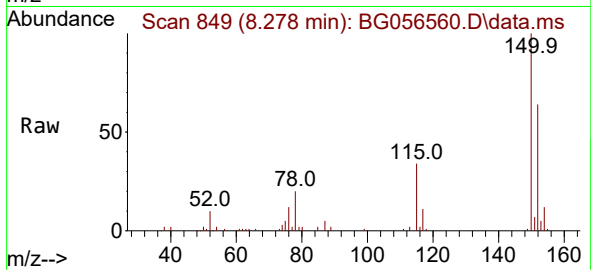
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.278 min Scan# 84
Delta R.T. 0.003 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Instrument :

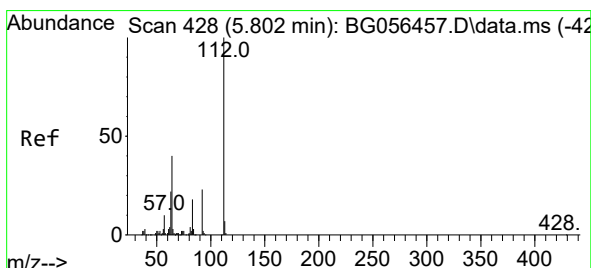
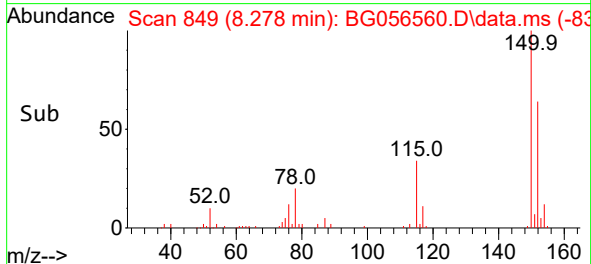
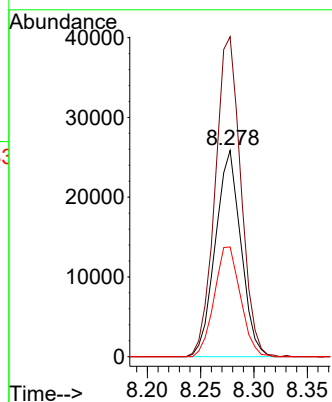
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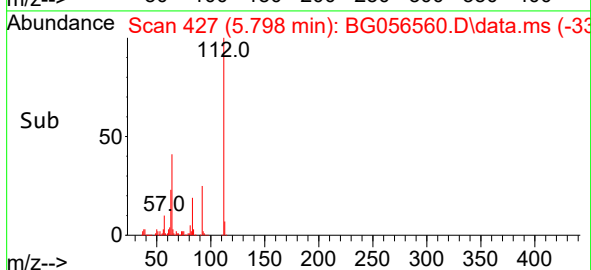
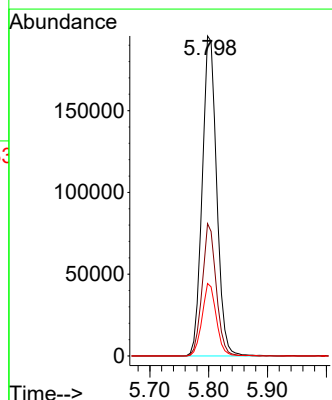
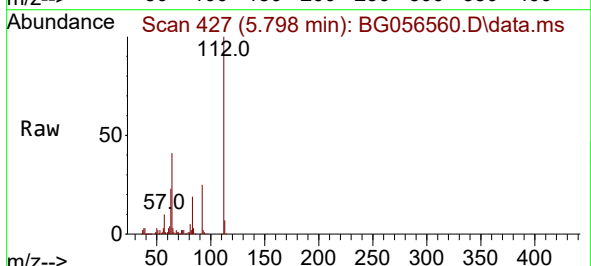


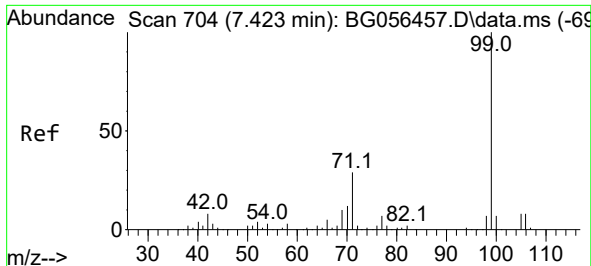
Tgt Ion:152 Resp: 43047
Ion Ratio Lower Upper
152 100
150 155.2 120.2 180.4
115 53.2 36.3 54.5



#5
2-Fluorophenol
Concen: 142.754 ng
RT: 5.798 min Scan# 427
Delta R.T. 0.008 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion:112 Resp: 334050
Ion Ratio Lower Upper
112 100
64 41.4 31.9 47.9
63 22.6 17.4 26.0





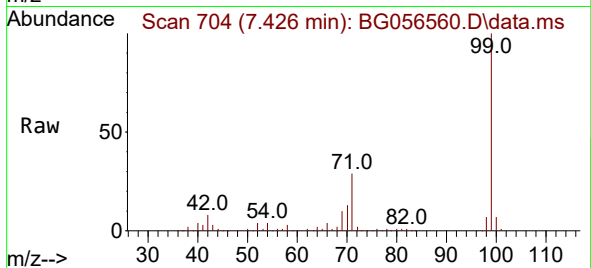
#7
Phenol-d6
Concen: 129.713 ng
RT: 7.426 min Scan# 704
Delta R.T. 0.008 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Instrument :

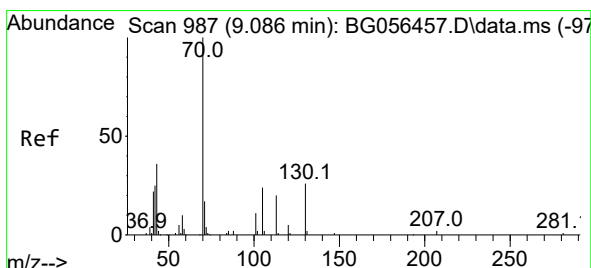
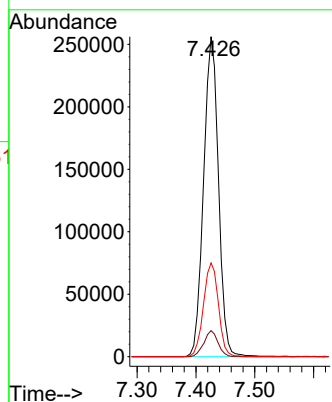
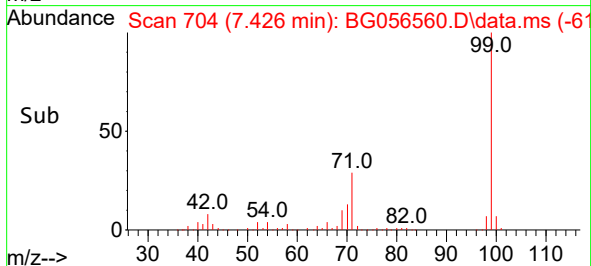
BNA_G

ClientSampleId :

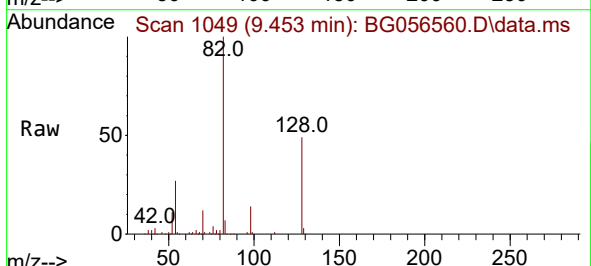
DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION



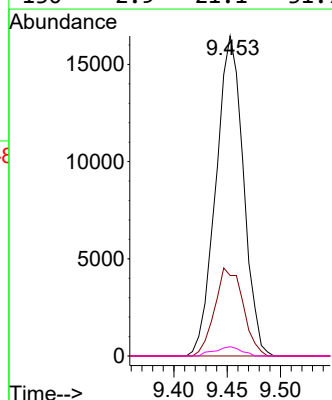
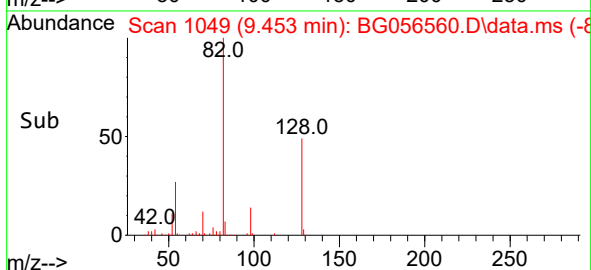
Tgt Ion: 99 Resp: 449737
Ion Ratio Lower Upper
99 100
42 8.2 6.6 10.0
71 29.3 23.4 35.0

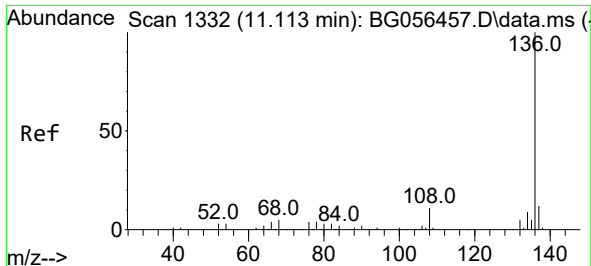


#19
n-Nitroso-di-n-propylamine
Concen: 14.739 ng
RT: 9.453 min Scan# 1049
Delta R.T. 0.378 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27



Tgt Ion: 70 Resp: 29449
Ion Ratio Lower Upper
70 100
42 25.1 20.2 30.4
101 0.0 9.1 13.7#
130 2.9 21.1 31.7#





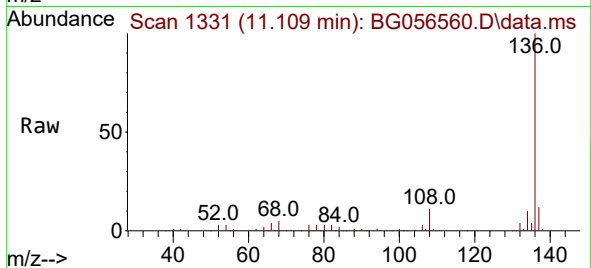
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.109 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Instrument :

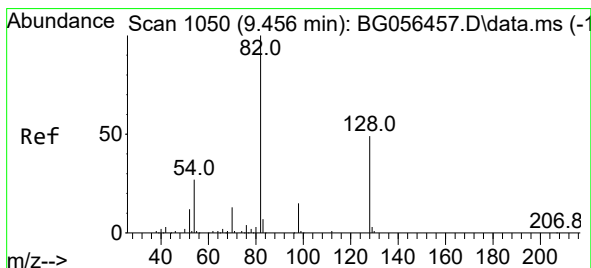
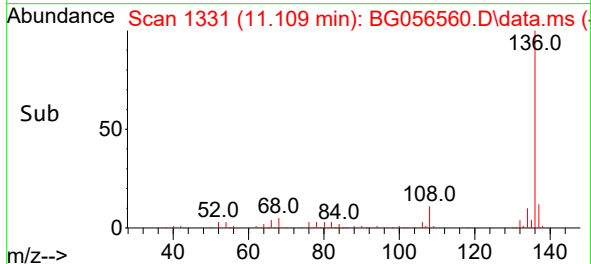
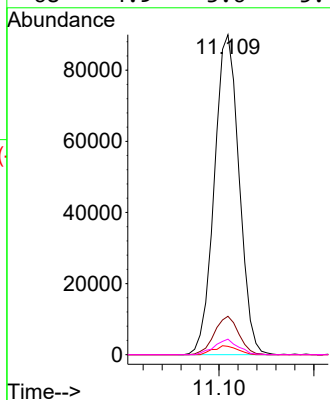
BNA_G

ClientSampleId :

DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

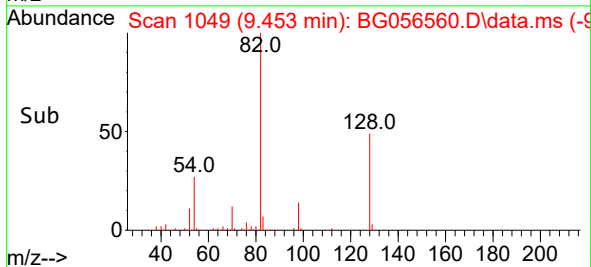
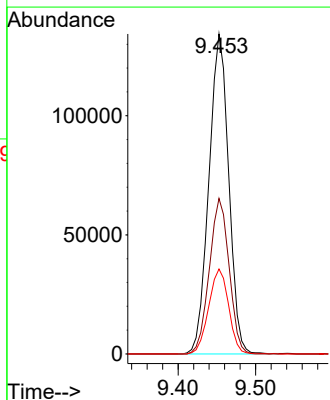
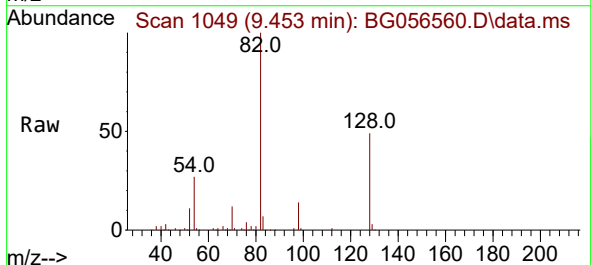


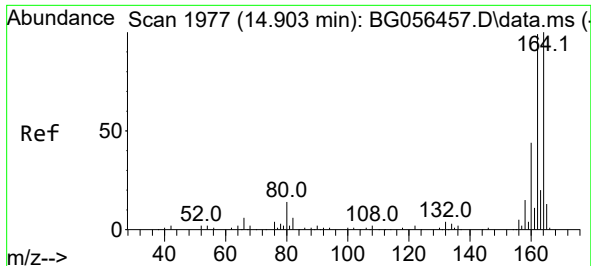
Tgt Ion:136 Resp: 162922
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.0
54 2.6 2.2 3.4
68 4.9 3.6 5.4



#23
Nitrobenzene-d5
Concen: 83.084 ng
RT: 9.453 min Scan# 1049
Delta R.T. 0.002 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion: 82 Resp: 238377
Ion Ratio Lower Upper
82 100
128 48.6 39.4 59.2
54 26.6 21.4 32.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.893 min Scan# 1977
Delta R.T. -0.003 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

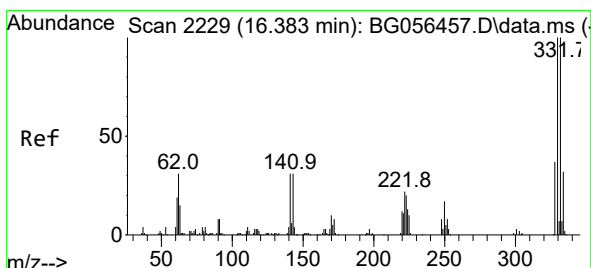
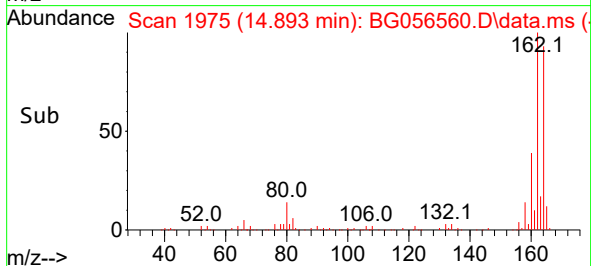
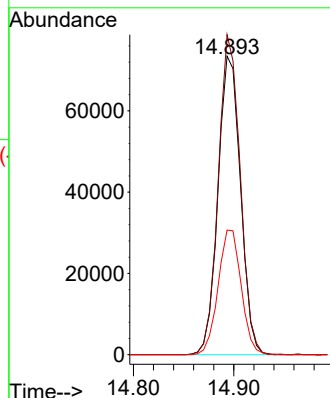
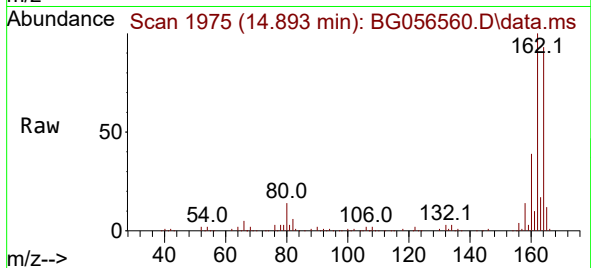
Instrument :

BNA_G

ClientSampleId :

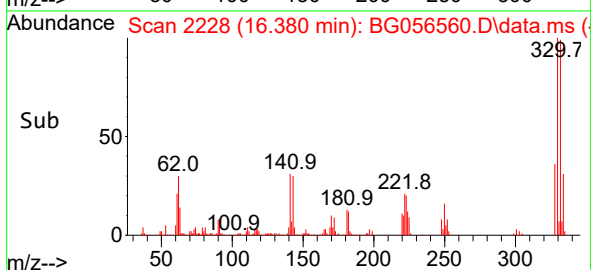
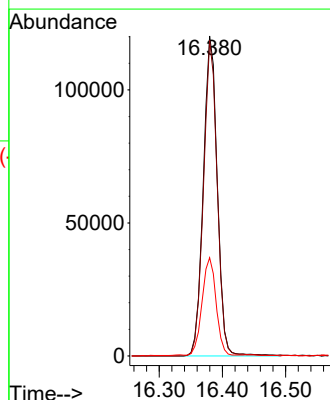
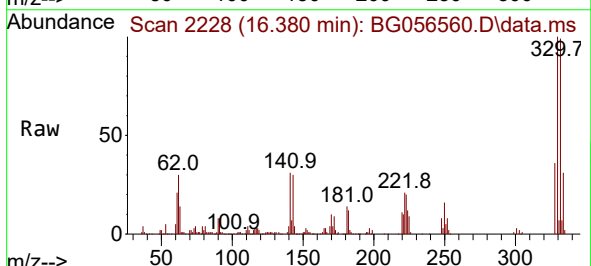
DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

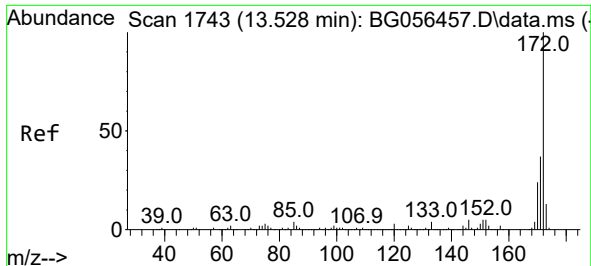
Tgt Ion:164 Resp: 114145
Ion Ratio Lower Upper
164 100
162 107.2 79.6 119.4
160 41.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 121.973 ng
RT: 16.380 min Scan# 2228
Delta R.T. -0.003 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion:330 Resp: 185093
Ion Ratio Lower Upper
330 100
332 96.3 79.0 118.6
141 30.8 24.2 36.4

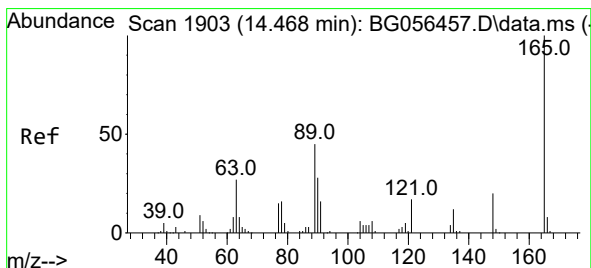
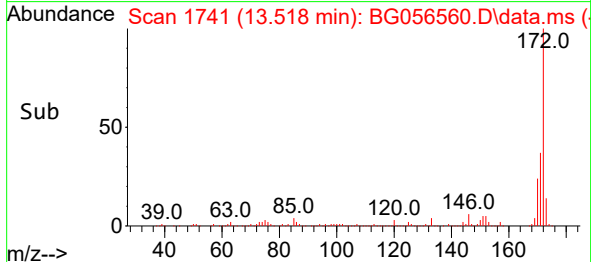
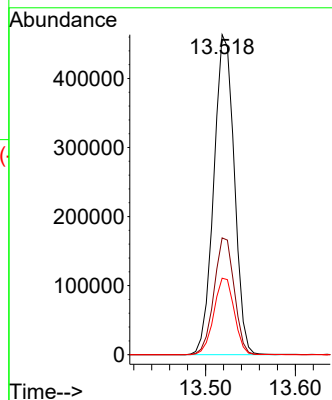
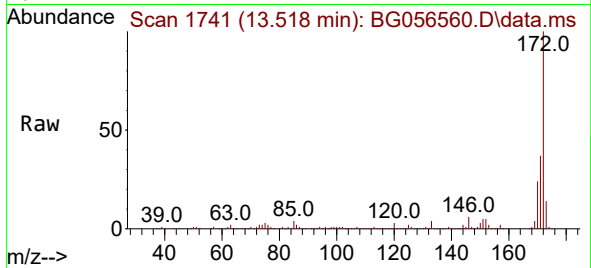




#45
2-Fluorobiphenyl
Concen: 88.980 ng
RT: 13.518 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

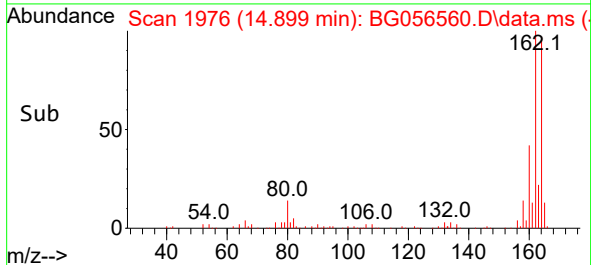
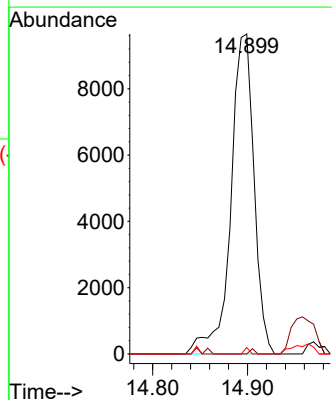
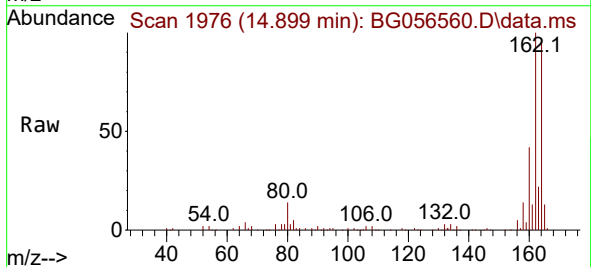
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DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

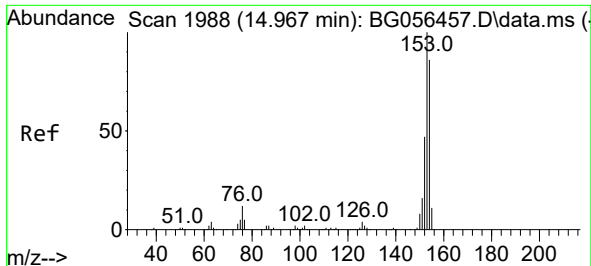
Tgt Ion:172 Resp: 732580
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 23.9 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 8.129 ng
RT: 14.899 min Scan# 1976
Delta R.T. 0.431 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion:165 Resp: 16371
Ion Ratio Lower Upper
165 100
63 0.0 26.9 40.3#
89 2.0 35.6 53.4#





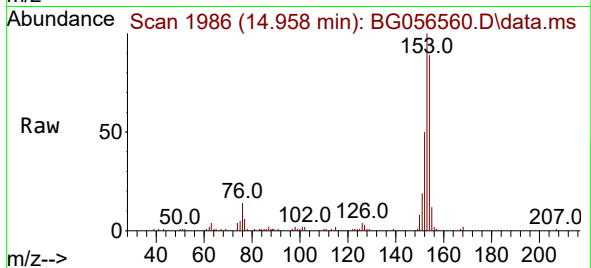
#52
Acenaphthene
Concen: 6.517 ng
RT: 14.958 min Scan# 1986
Delta R.T. -0.003 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Instrument :

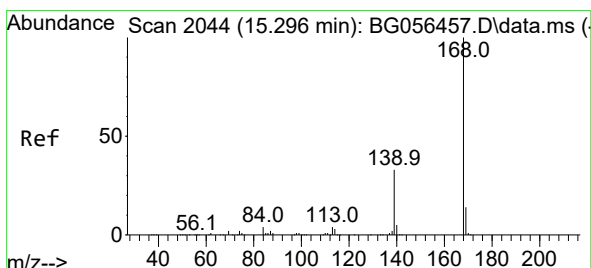
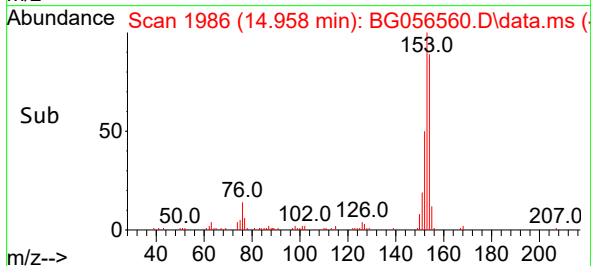
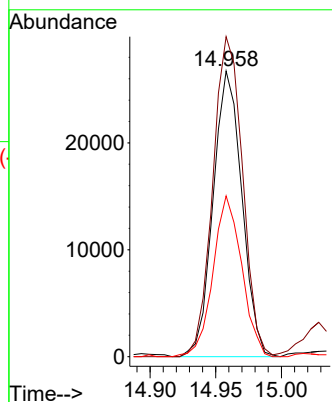
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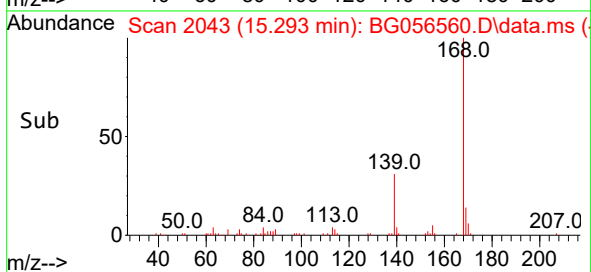
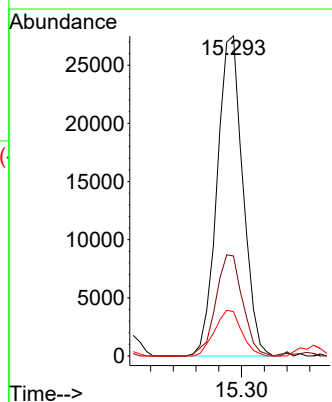
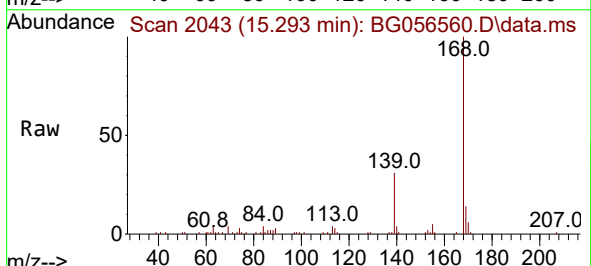


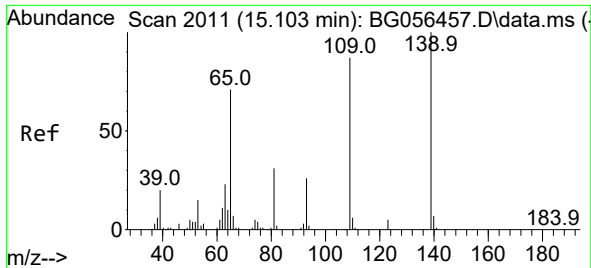
Tgt Ion:154 Resp: 40692
Ion Ratio Lower Upper
154 100
153 112.1 93.4 140.0
152 56.3 43.4 65.2



#55
Dibenzofuran
Concen: 3.856 ng
RT: 15.293 min Scan# 2043
Delta R.T. 0.002 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion:168 Resp: 43171
Ion Ratio Lower Upper
168 100
139 31.2 26.2 39.2
169 13.9 11.0 16.6

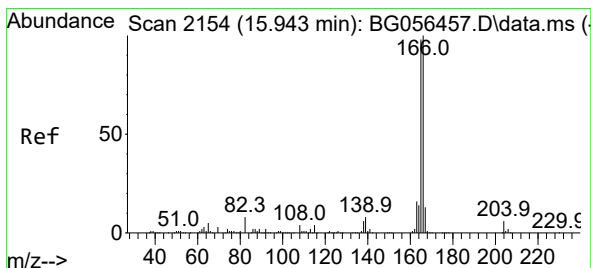
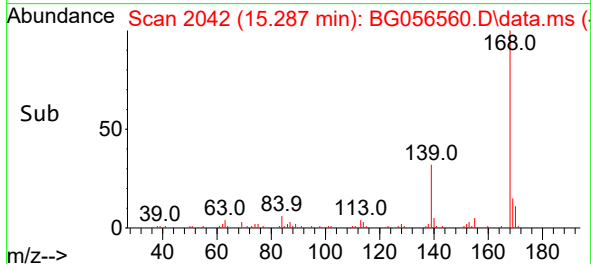
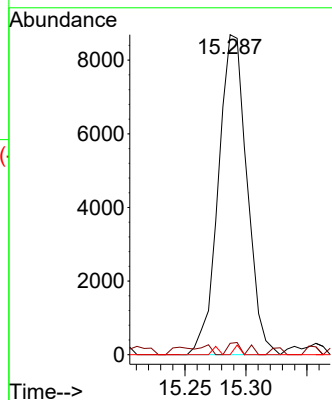
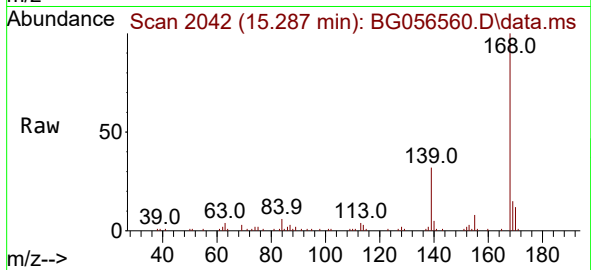




#56
4-Nitrophenol
Concen: 10.655 ng
RT: 15.287 min Scan# 2011
Delta R.T. 0.179 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

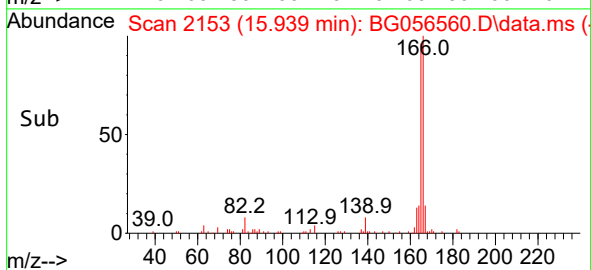
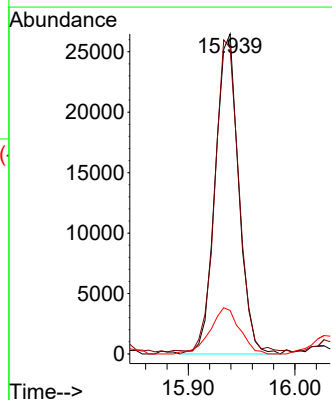
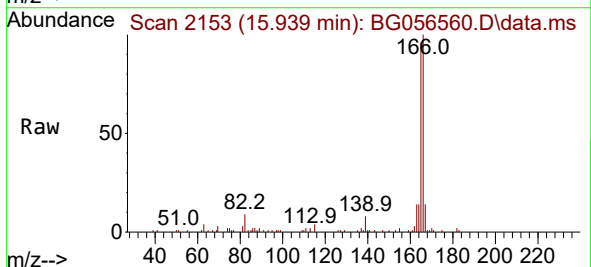
Instrument :
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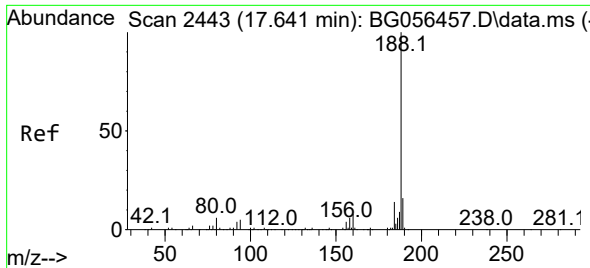
Tgt Ion:139 Resp: 14215
Ion Ratio Lower Upper
139 100
109 3.5 67.5 107.5#
65 0.0 50.7 90.7#



#58
Fluorene
Concen: 4.517 ng
RT: 15.939 min Scan# 2153
Delta R.T. 0.002 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion:166 Resp: 40249
Ion Ratio Lower Upper
166 100
165 95.6 78.8 118.2
167 13.6 10.6 15.8





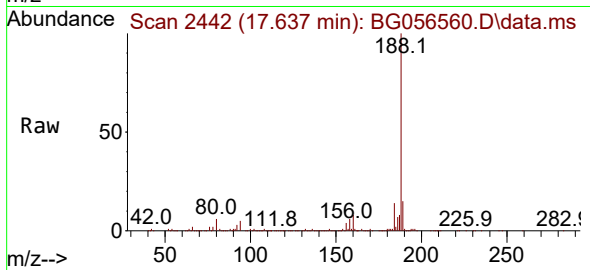
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.637 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Instrument :

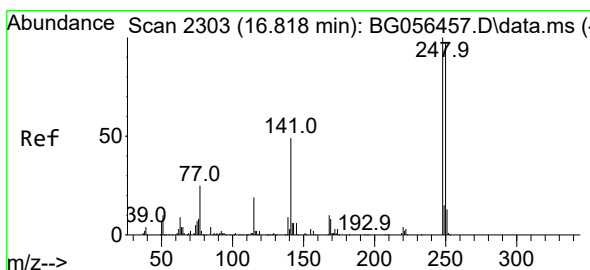
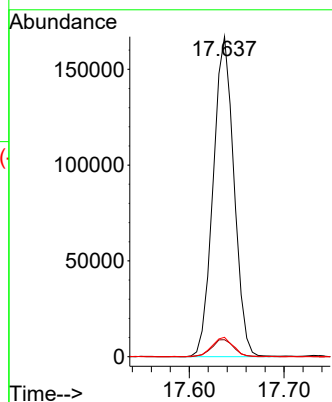
BNA_G

ClientSampleId :

DOMINICK-STREET-UTLIITY-RELOCATION-EXCAVATION

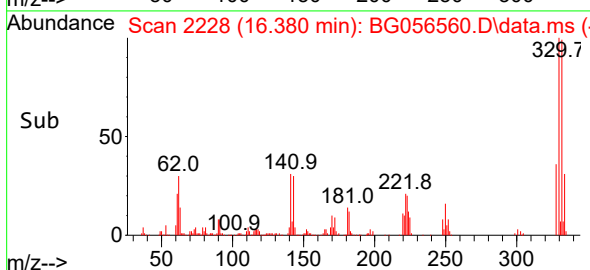
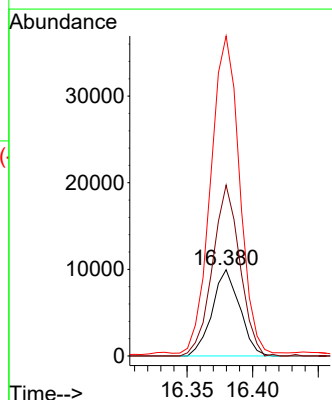
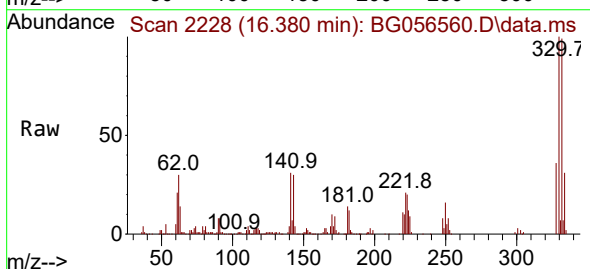


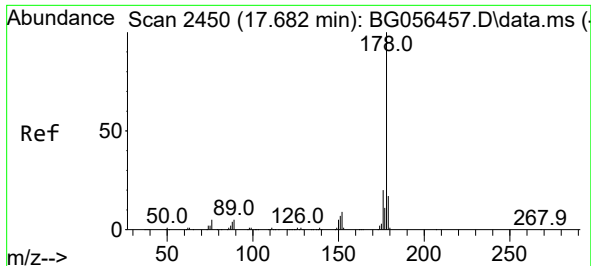
Tgt Ion:188 Resp: 254157
Ion Ratio Lower Upper
188 100
94 5.3 4.1 6.1
80 6.1 5.0 7.4



#67
4-Bromophenyl-phenylether
Concen: 4.471 ng
RT: 16.380 min Scan# 2228
Delta R.T. -0.432 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion:248 Resp: 14546
Ion Ratio Lower Upper
248 100
250 198.1 77.6 116.4#
141 371.0 39.0 58.4#





#71
Phenanthrene
Concen: 71.792 ng
RT: 17.678 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

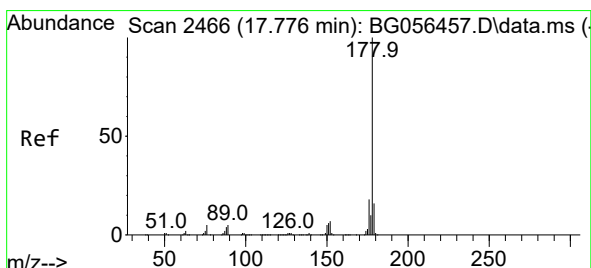
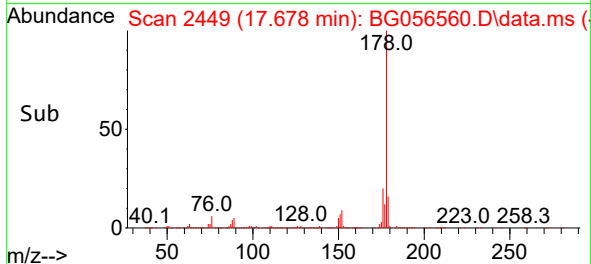
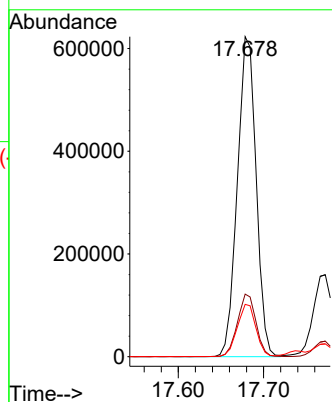
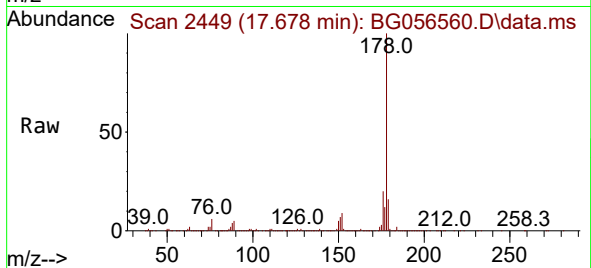
Instrument :

BNA_G

ClientSampleId :

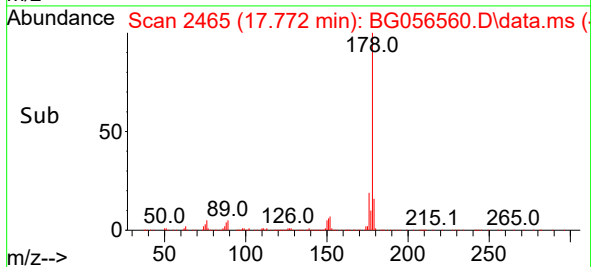
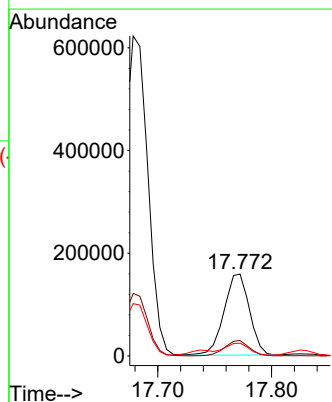
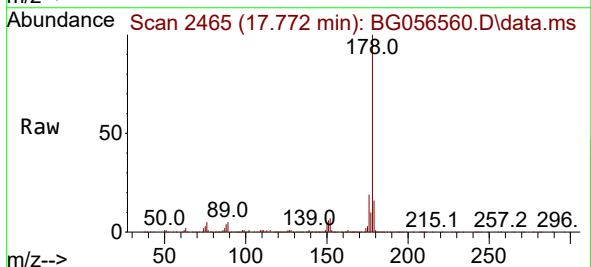
DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

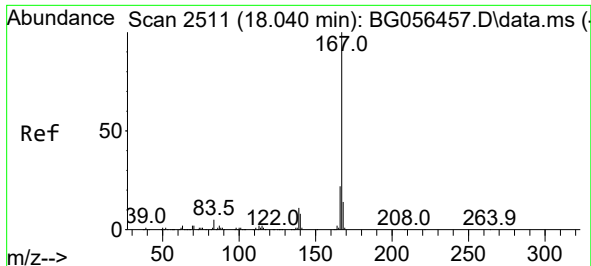
Tgt Ion:178 Resp: 954987
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 16.4 13.3 19.9



#72
Anthracene
Concen: 17.896 ng
RT: 17.772 min Scan# 2465
Delta R.T. 0.002 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion:178 Resp: 244363
Ion Ratio Lower Upper
178 100
176 18.9 14.5 21.7
179 15.7 12.5 18.7





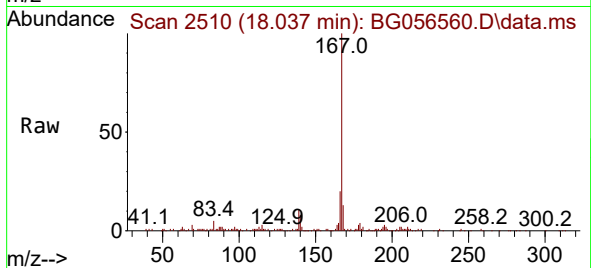
#73
 Carbazole
 Concen: 6.354 ng
 RT: 18.037 min Scan# 2511
 Delta R.T. -0.003 min
 Lab File: BG056560.D
 Acq: 6 Feb 2023 18:27

Instrument :

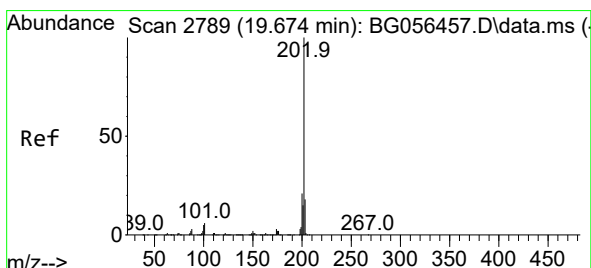
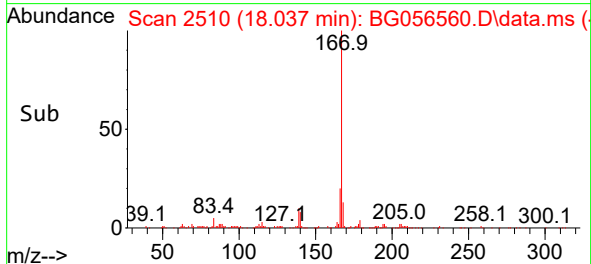
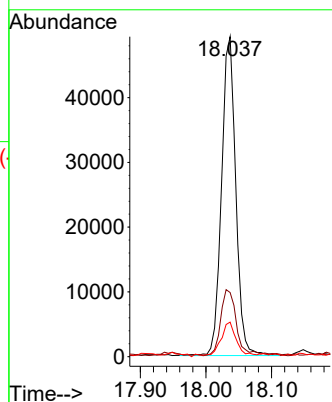
BNA_G

ClientSampleId :

DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

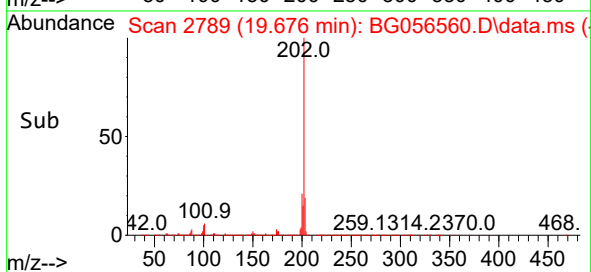
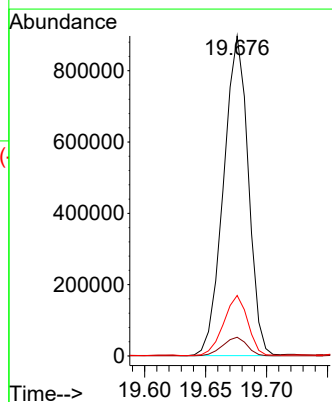
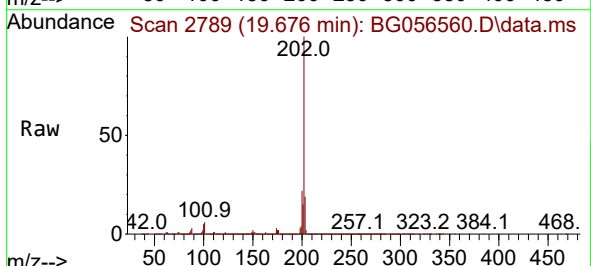


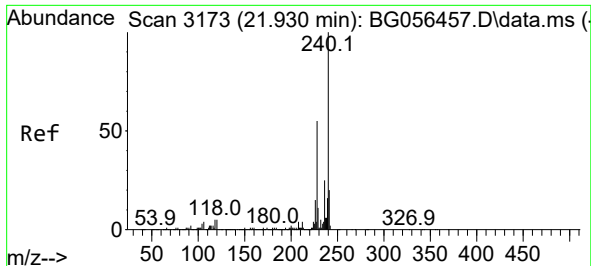
Tgt Ion:167 Resp: 73895
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.8 26.6
 139 10.8 8.9 13.3



#75
 Fluoranthene
 Concen: 75.461 ng
 RT: 19.676 min Scan# 2789
 Delta R.T. 0.002 min
 Lab File: BG056560.D
 Acq: 6 Feb 2023 18:27

Tgt Ion:202 Resp: 1266902
 Ion Ratio Lower Upper
 202 100
 101 5.9 0.0 25.6
 203 18.9 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.932 min Scan# 3173
Delta R.T. 0.002 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

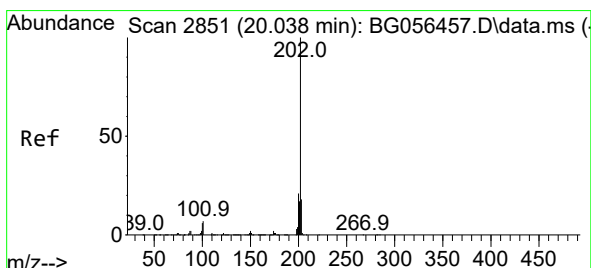
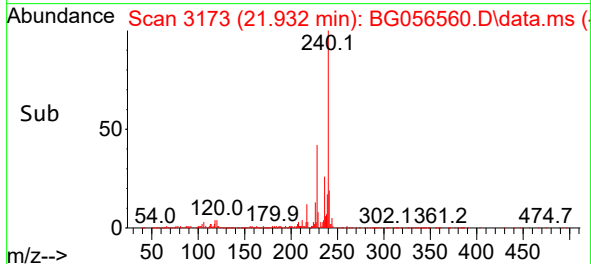
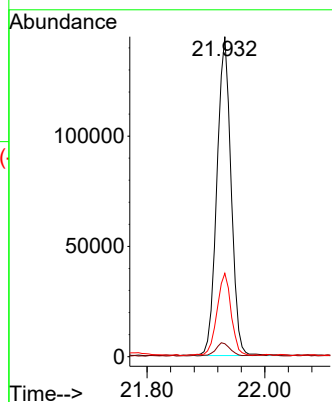
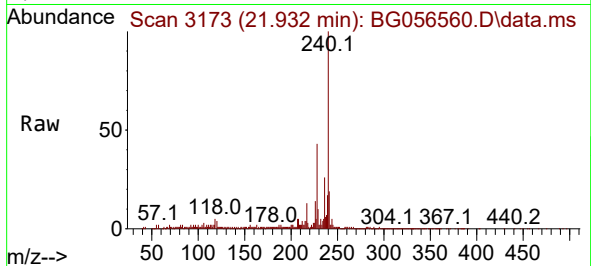
Instrument :

BNA_G

ClientSampleId :

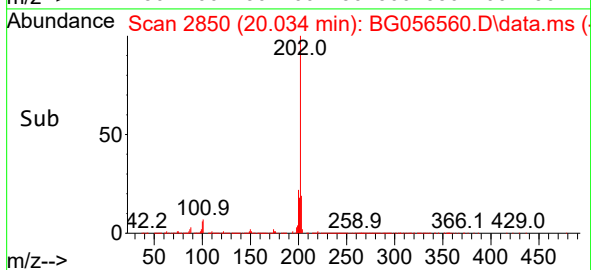
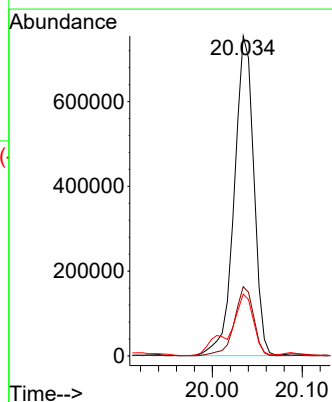
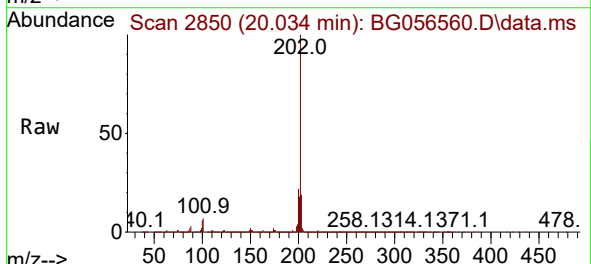
DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

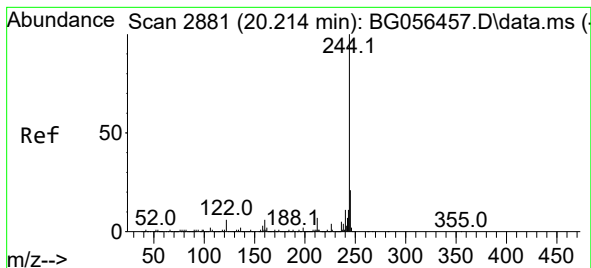
Tgt Ion:240 Resp: 241031
Ion Ratio Lower Upper
240 100
120 4.0 3.8 5.8
236 26.1 20.2 30.2



#78
Pyrene
Concen: 66.386 ng
RT: 20.034 min Scan# 2850
Delta R.T. 0.002 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion:202 Resp: 1138026
Ion Ratio Lower Upper
202 100
200 21.6 16.7 25.1
203 19.4 14.4 21.6





#79

Terphenyl-d14

Concen: 81.514 ng

RT: 20.211 min Scan# 2

Delta R.T. -0.003 min

Lab File: BG056560.D

Acq: 6 Feb 2023 18:27

Instrument :

BNA_G

ClientSampleId :

DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

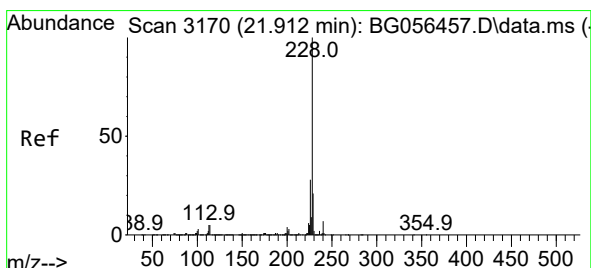
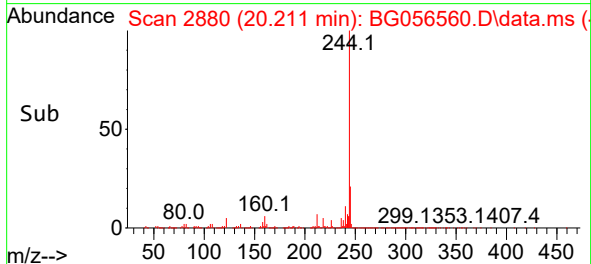
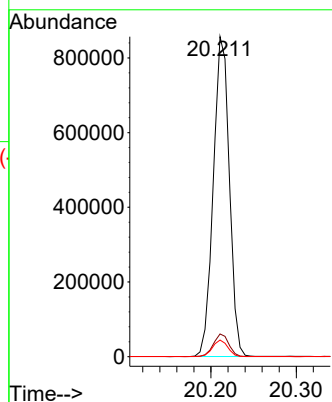
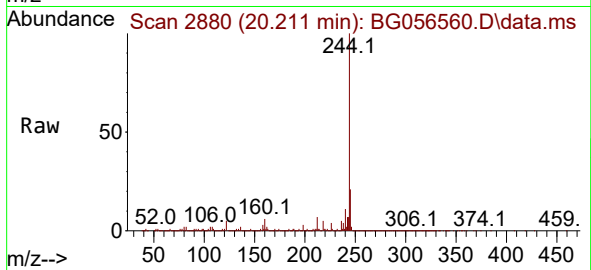
Tgt Ion:244 Resp: 1118646

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 5.2 4.4 6.6



#81

Benzo(a)anthracene

Concen: 38.600 ng

RT: 21.909 min Scan# 3169

Delta R.T. -0.003 min

Lab File: BG056560.D

Acq: 6 Feb 2023 18:27

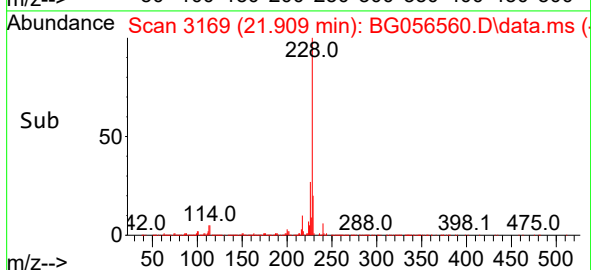
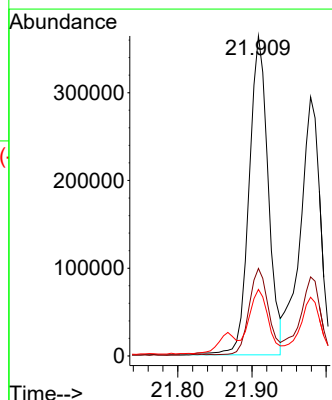
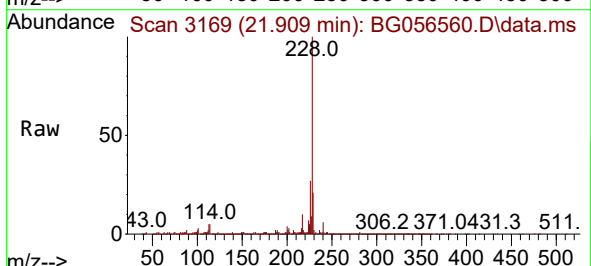
Tgt Ion:228 Resp: 650438

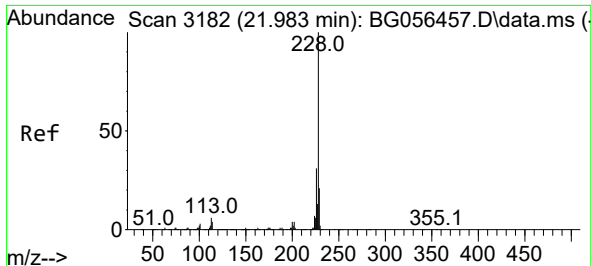
Ion Ratio Lower Upper

228 100

226 27.3 22.4 33.6

229 20.8 16.5 24.7

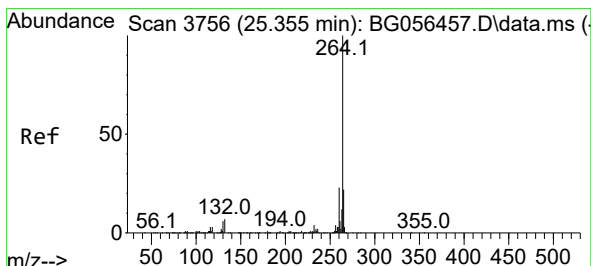
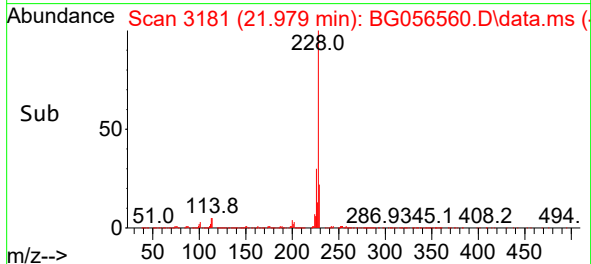
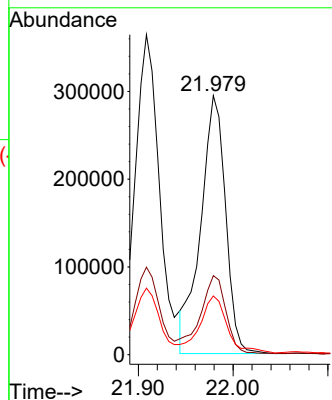
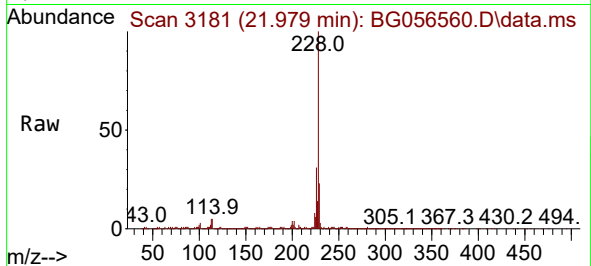




#83
Chrysene
Concen: 33.868 ng
RT: 21.979 min Scan# 3181
Delta R.T. -0.003 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

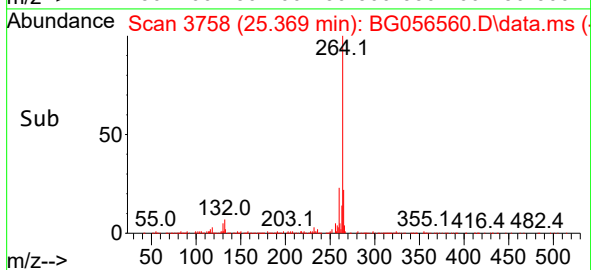
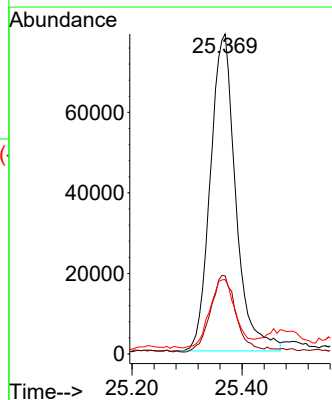
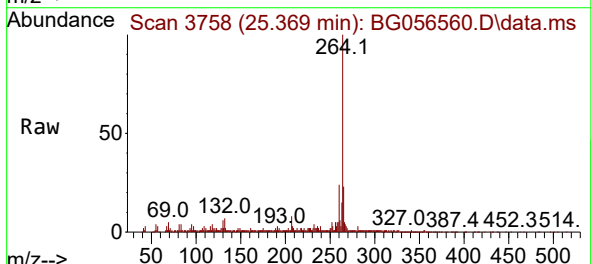
Instrument : BNA_G
ClientSampleId : DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

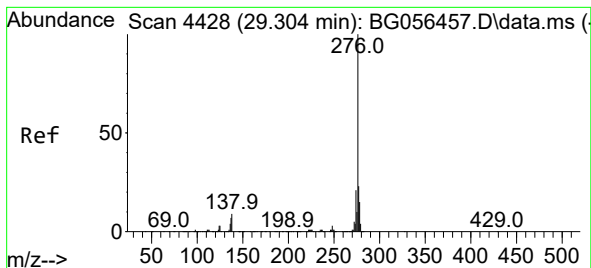
Tgt Ion:228 Resp: 536162
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.4
229 22.7 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.369 min Scan# 3758
Delta R.T. 0.008 min
Lab File: BG056560.D
Acq: 6 Feb 2023 18:27

Tgt Ion:264 Resp: 252161
Ion Ratio Lower Upper
264 100
260 24.4 18.2 27.4
265 23.3 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.949 ng

RT: 29.312 min Scan# 4428

Delta R.T. -0.009 min

Lab File: BG056560.D

Acq: 6 Feb 2023 18:27

Instrument :

BNA_G

ClientSampleId :

DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

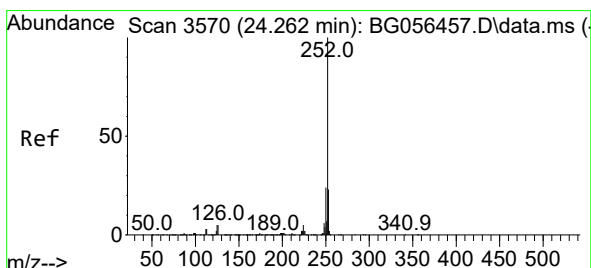
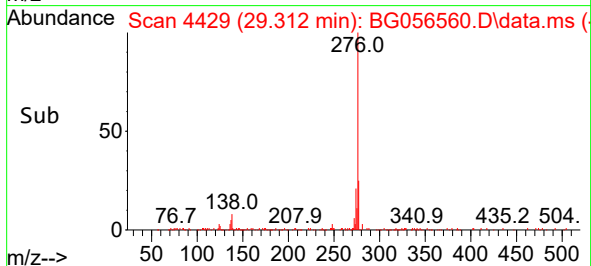
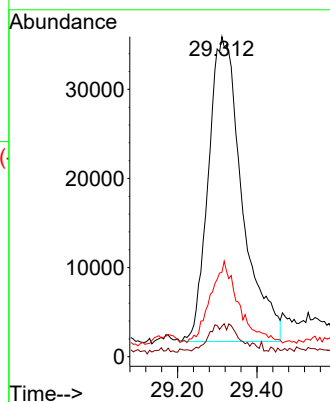
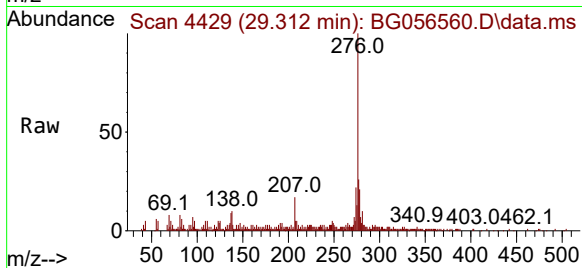
Tgt Ion:276 Resp: 202109

Ion Ratio Lower Upper

276 100

138 0.0 9.4 14.2#

277 23.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 41.693 ng

RT: 24.271 min Scan# 3571

Delta R.T. 0.008 min

Lab File: BG056560.D

Acq: 6 Feb 2023 18:27

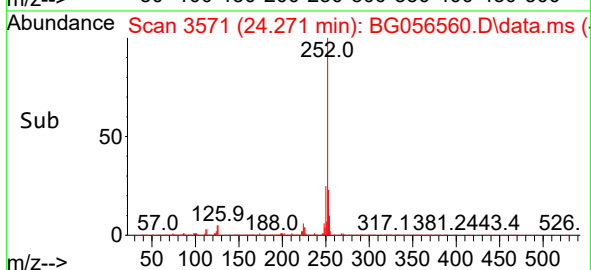
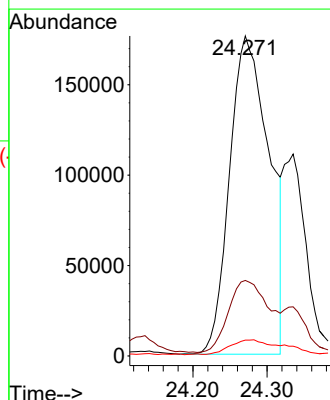
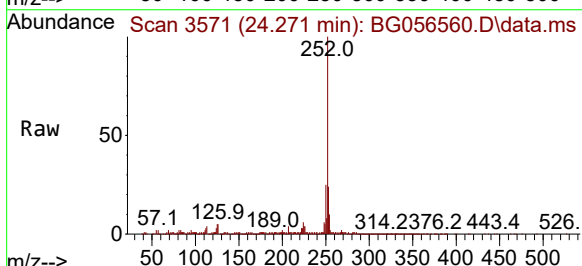
Tgt Ion:252 Resp: 652548

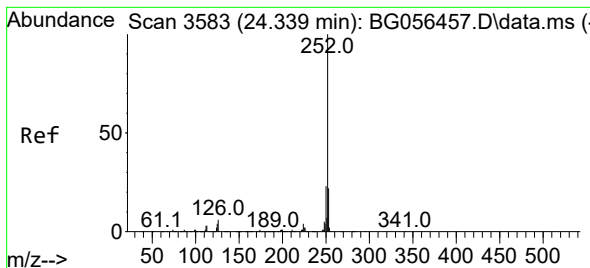
Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

125 5.0 3.9 5.9





#89

Benzo(k)fluoranthene

Concen: 41.295 ng

RT: 24.271 min Scan# 3

Delta R.T. -0.068 min

Lab File: BG056560.D

Acq: 6 Feb 2023 18:27

Instrument :

BNA_G

ClientSampleId :

DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

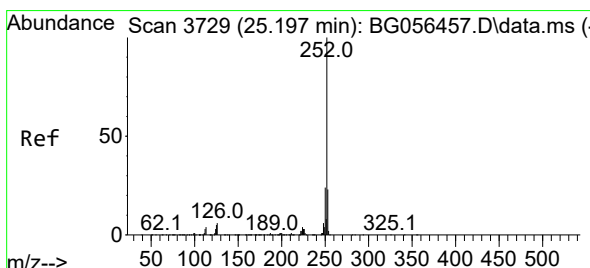
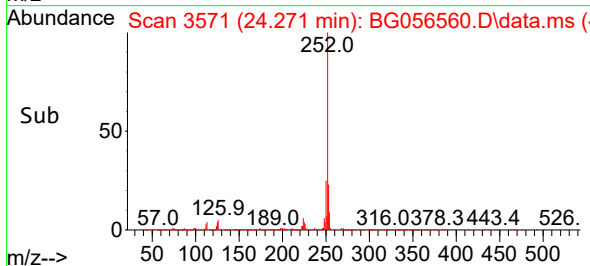
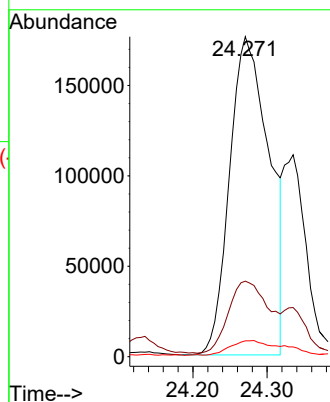
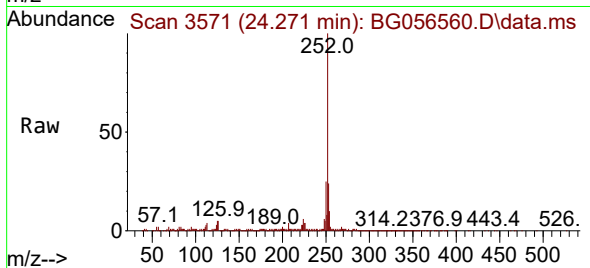
Tgt Ion:252 Resp: 652548

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 5.0 3.4 5.0



#90

Benzo(a)pyrene

Concen: 31.656 ng

RT: 25.199 min Scan# 3729

Delta R.T. 0.002 min

Lab File: BG056560.D

Acq: 6 Feb 2023 18:27

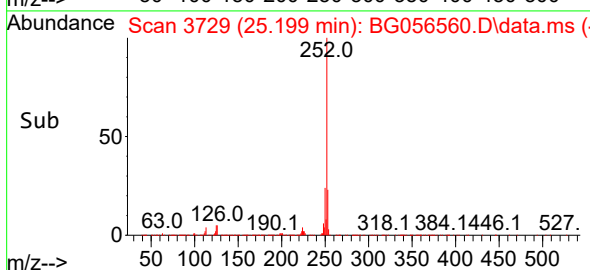
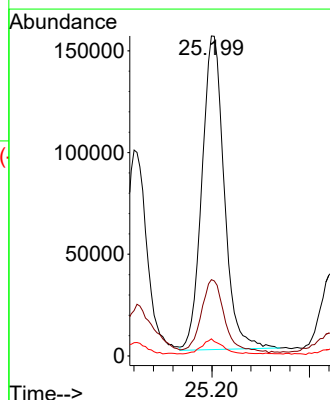
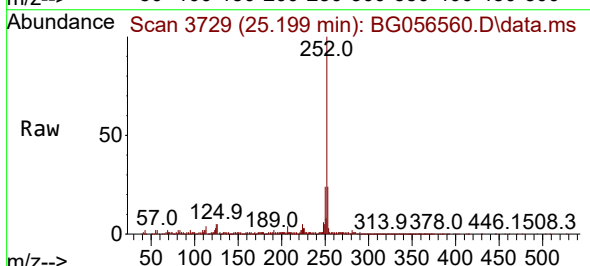
Tgt Ion:252 Resp: 488052

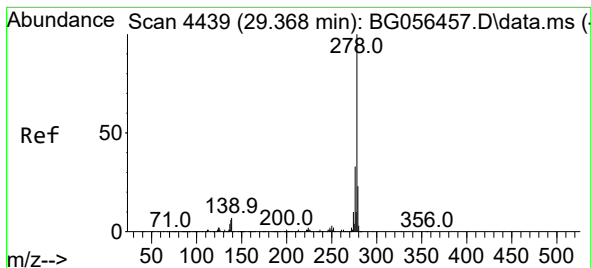
Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

125 5.3 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 3.369 ng

RT: 29.359 min Scan# 4439

Delta R.T. -0.015 min

Lab File: BG056560.D

Acq: 6 Feb 2023 18:27

Instrument :

BNA_G

ClientSampleId :

DOMINICK-STREET-UTLITY-RELOCATION-EXCAVATION

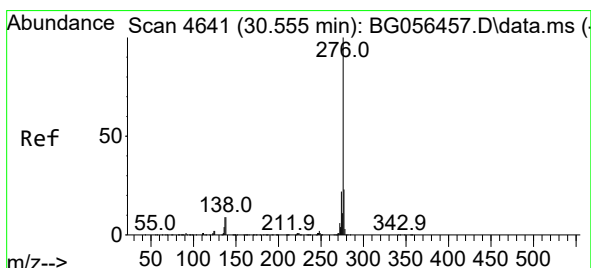
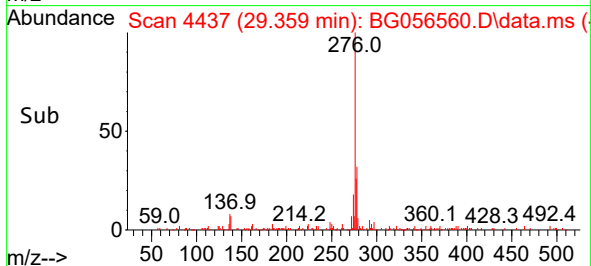
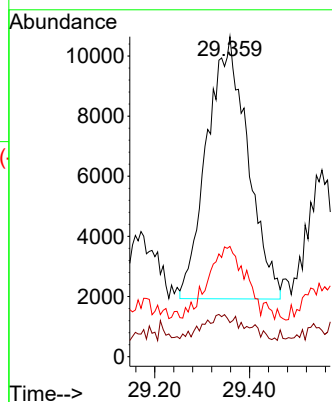
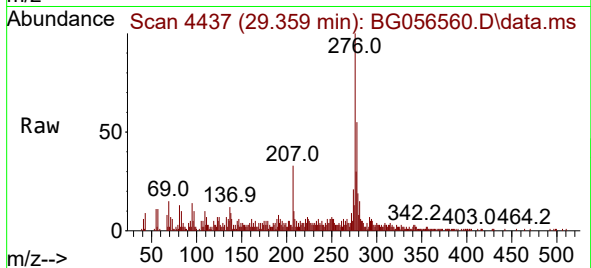
Tgt Ion:278 Resp: 52204

Ion Ratio Lower Upper

278 100

139 10.7 5.5 8.3#

279 34.5 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 11.523 ng

RT: 30.563 min Scan# 4642

Delta R.T. -0.003 min

Lab File: BG056560.D

Acq: 6 Feb 2023 18:27

Tgt Ion:276 Resp: 172266

Ion Ratio Lower Upper

276 100

277 25.9 18.5 27.7

138 17.0 7.4 11.0#

