

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG093022\
 Data File : BG055045.D
 Acq On : 30 Sep 2022 18:02
 Operator : CG/JU
 Sample : N4892-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-STORMWATER-DENALI

Quant Time: Oct 01 02:14:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG092822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 15:43:39 2022
 Response via : Initial Calibration

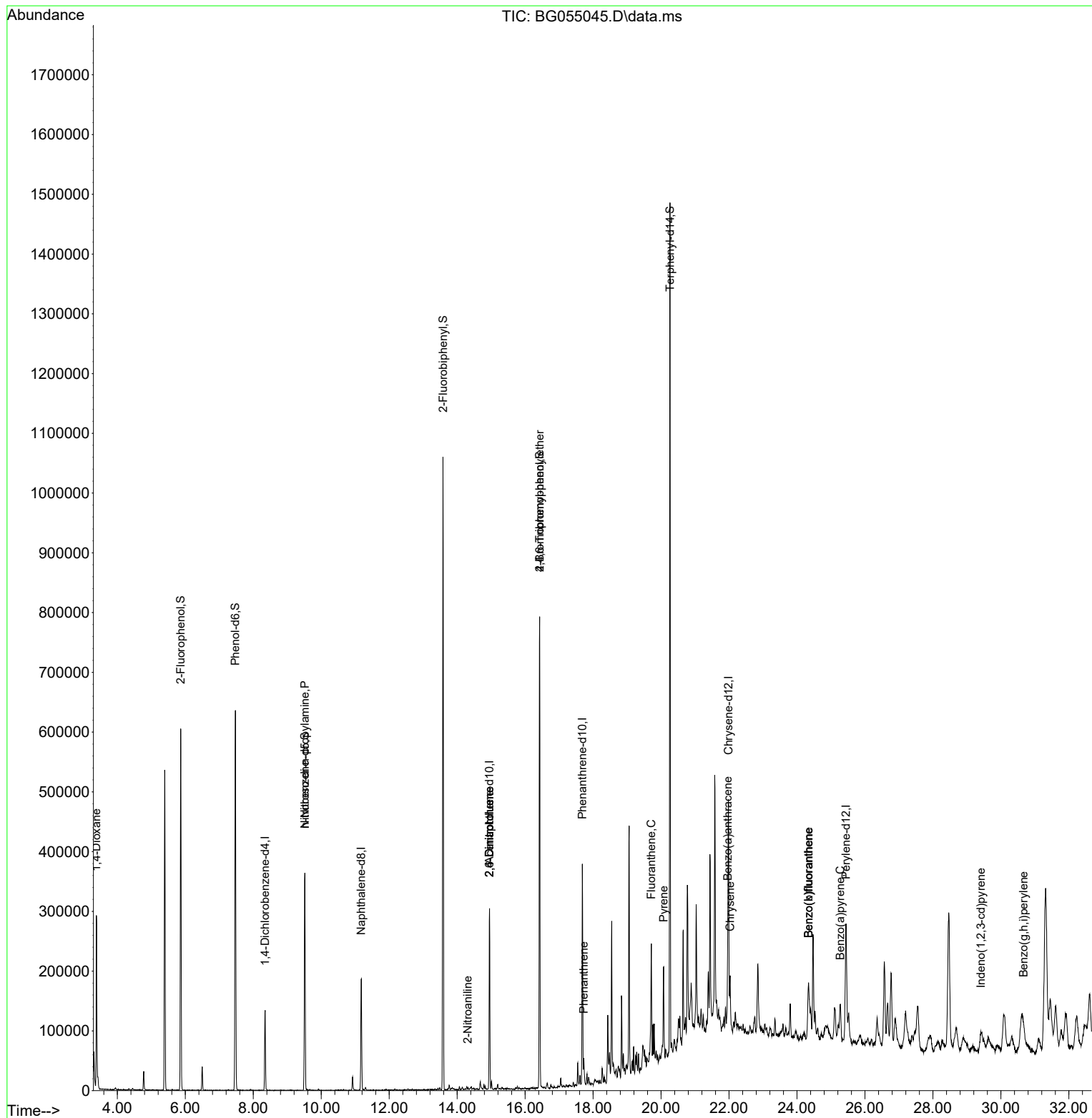
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.348	152	38549	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	163861	20.000	ng	#-0.01
39) Acenaphthene-d10	14.952	164	108894	20.000	ng	0.00
64) Phenanthrene-d10	17.684	188	225053	20.000	ng	0.00
76) Chrysene-d12	21.979	240	208927	20.000	ng	#-0.02
86) Perylene-d12	25.439	264	223701	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.862	112	263428	130.997	ng	0.00
7) Phenol-d6	7.472	99	360181	134.995	ng	0.00
23) Nitrobenzene-d5	9.517	82	217773	85.752	ng	0.00
42) 2,4,6-Tribromophenol	16.426	330	163848	132.603	ng	0.00
45) 2-Fluorobiphenyl	13.583	172	538224	77.802	ng	0.00
79) Terphenyl-d14	20.263	244	731863	73.046	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.383	88	2439	2.449	ng	# 1
9) Benzaldehyde	7.478	77	1506	Below Cal		# 57
19) n-Nitroso-di-n-propyla...	9.517	70	30252	14.432	ng	# 85
48) 2-Nitroaniline	14.311	65	57	4.338	ng	# 5
51) 2,6-Dinitrotoluene	14.946	165	14217	12.166	ng	# 20
57) 2,4-Dinitrotoluene	14.946	165	14217	10.327	ng	# 18
67) 4-Bromophenyl-phenylether	16.426	248	10274	4.238	ng	# 1
71) Phenanthrene	17.725	178	25556	2.200	ng	95
75) Fluoranthene	19.711	202	98095	6.588	ng	95
78) Pyrene	20.075	202	96585	7.225	ng	97
81) Benzo(a)anthracene	21.961	228	62879	4.698	ng	99
83) Chrysene	22.032	228	70592	5.601	ng	98
87) Indeno(1,2,3-cd)pyrene	29.411	276	68312	4.180	ng	94
88) Benzo(b)fluoranthene	24.341	252	122315	9.183	ng	99
89) Benzo(k)fluoranthene	24.341	252	122315	9.283	ng	98
90) Benzo(a)pyrene	25.275	252	82010	7.285	ng	97
92) Benzo(g,h,i)perylene	30.663	276	65967	4.985	ng	# 92

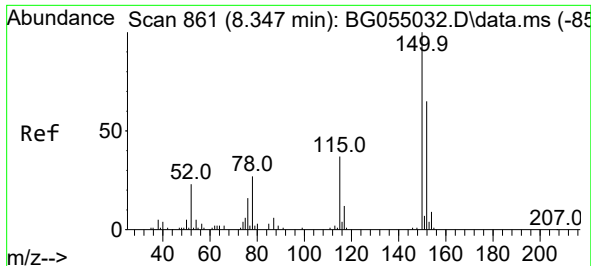
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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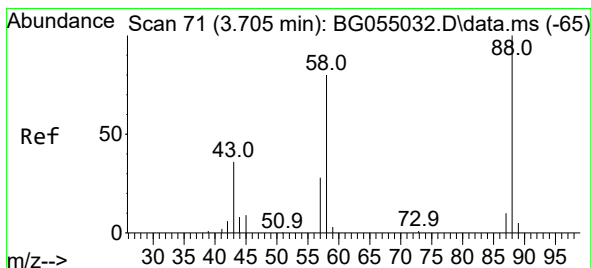
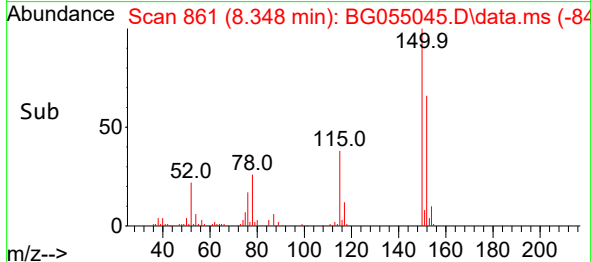
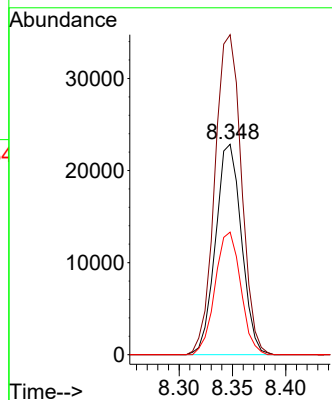
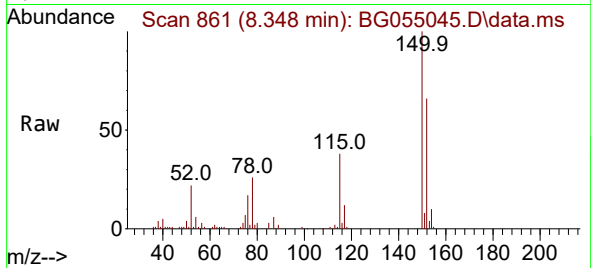




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.348 min Scan# 8
 Delta R.T. 0.001 min
 Lab File: BG055045.D
 Acq: 30 Sep 2022 18:02

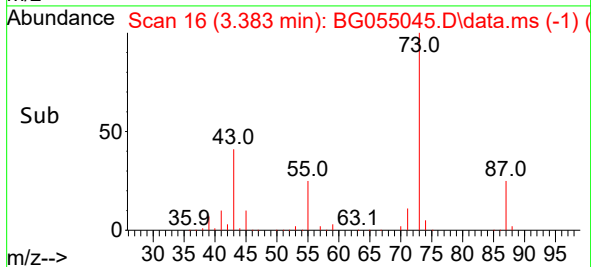
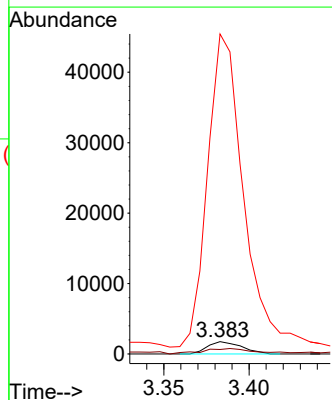
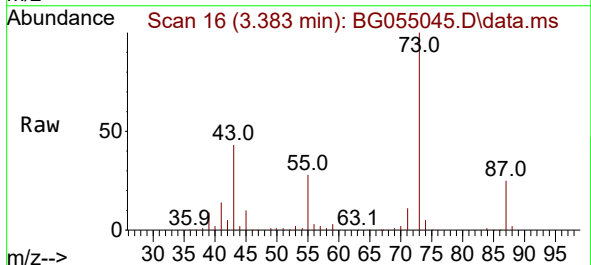
Instrument :
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 ClientSampleId :
 TOPSOIL-STORMWATER-DENALI

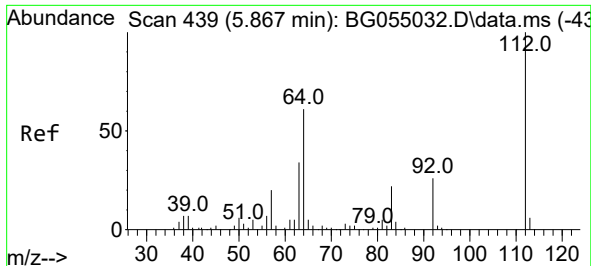
Tgt Ion:152 Resp: 38549
 Ion Ratio Lower Upper
 152 100
 150 152.1 125.2 187.8
 115 58.3 47.9 71.9



#2
 1,4-Dioxane
 Concen: 2.449 ng
 RT: 3.383 min Scan# 16
 Delta R.T. -0.322 min
 Lab File: BG055045.D
 Acq: 30 Sep 2022 18:02

Tgt Ion: 88 Resp: 2439
 Ion Ratio Lower Upper
 88 100
 58 72.0 65.9 98.9
 43 2766.7 22.7 34.1#

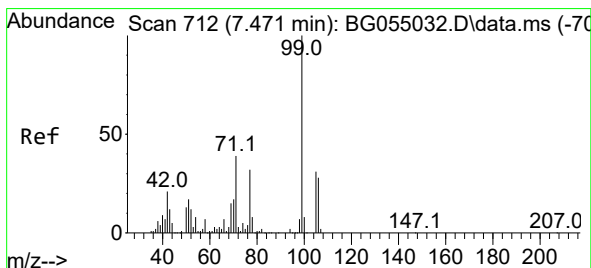
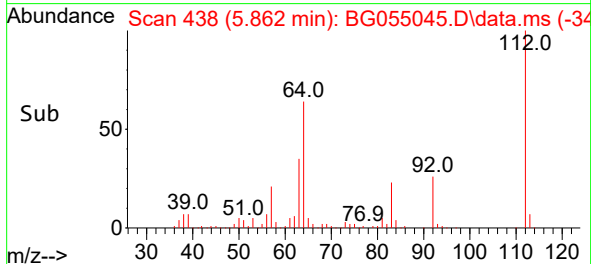
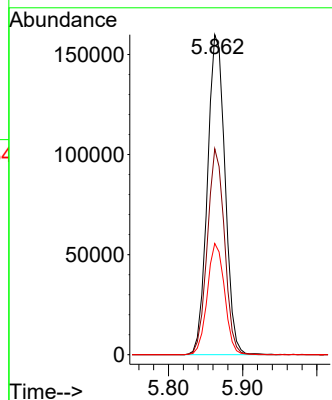
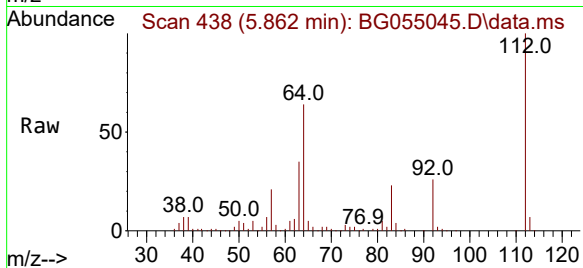




#5
2-Fluorophenol
Concen: 130.997 ng
RT: 5.862 min Scan# 41
Delta R.T. -0.005 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

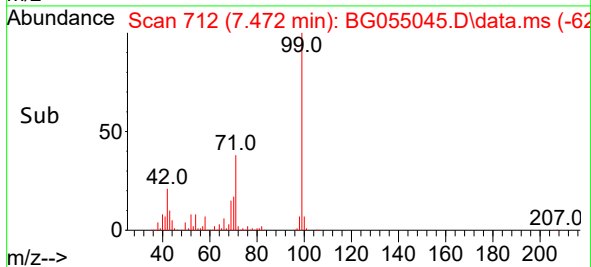
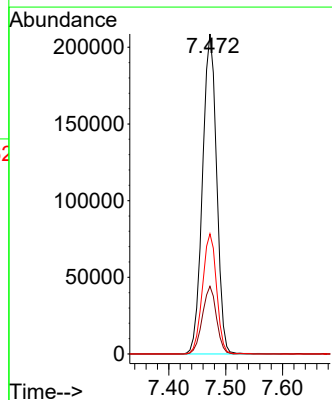
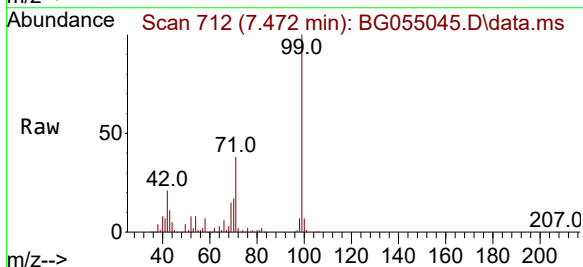
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STORMWATER-DENALI

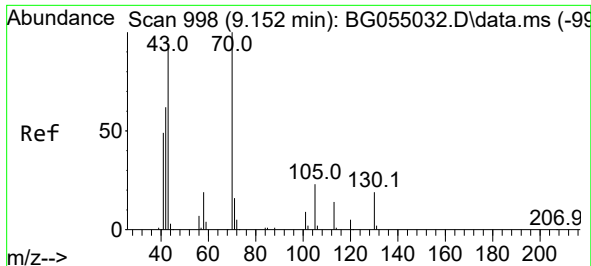
Tgt Ion:112 Resp: 263428
Ion Ratio Lower Upper
112 100
64 64.4 49.3 73.9
63 34.8 26.3 39.5



#7
Phenol-d6
Concen: 134.995 ng
RT: 7.472 min Scan# 712
Delta R.T. 0.001 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion: 99 Resp: 360181
Ion Ratio Lower Upper
99 100
42 21.2 14.6 22.0
71 37.6 24.6 37.0#

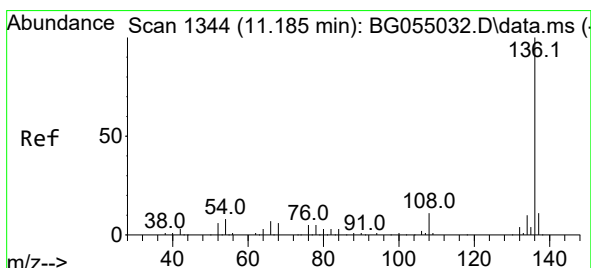
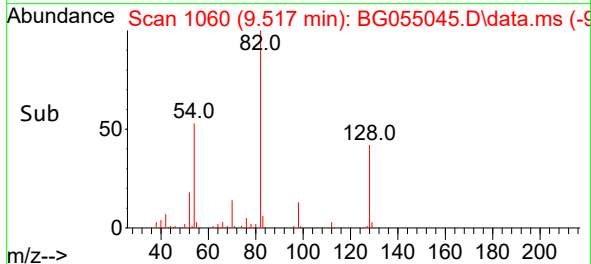
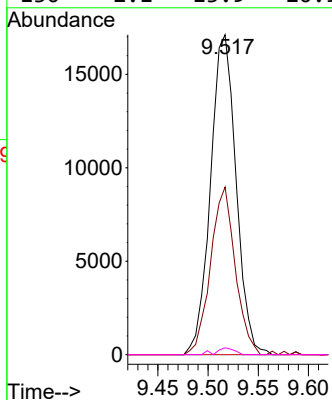
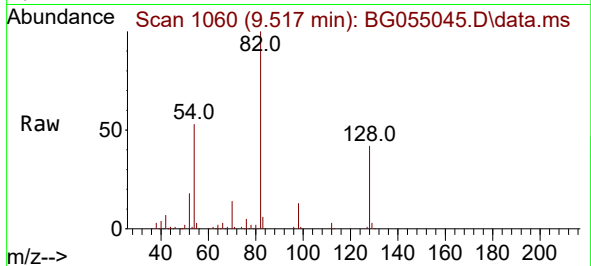




#19
n-Nitroso-di-n-propylamine
Concen: 14.432 ng
RT: 9.517 min Scan# 1060
Delta R.T. 0.365 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

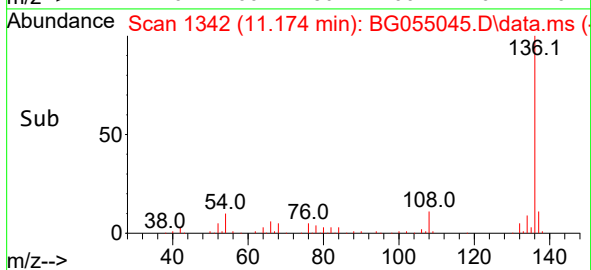
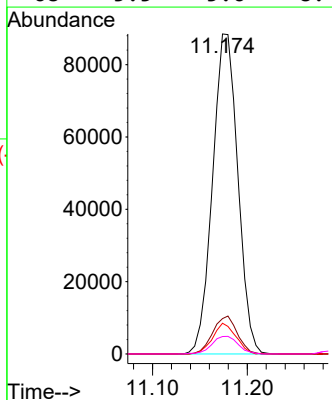
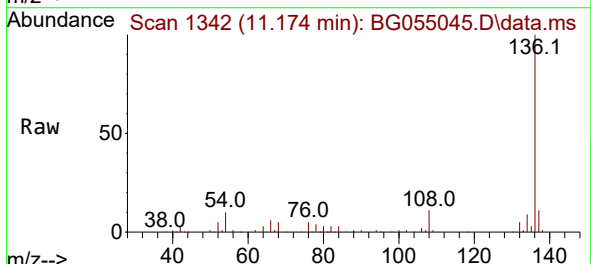
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STORMWATER-DENALI

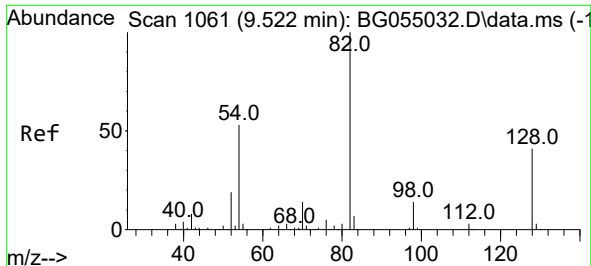
Tgt Ion:	70	Resp:	30252
Ion Ratio	Lower	Upper	
70	100		
42	52.4	46.6	69.8
101	0.0	7.7	11.5#
130	2.1	13.9	20.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.174 min Scan# 1342
Delta R.T. -0.011 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion:	136	Resp:	163861
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.2	13.8
54	9.6	7.7	11.5
68	5.5	5.6	8.4#

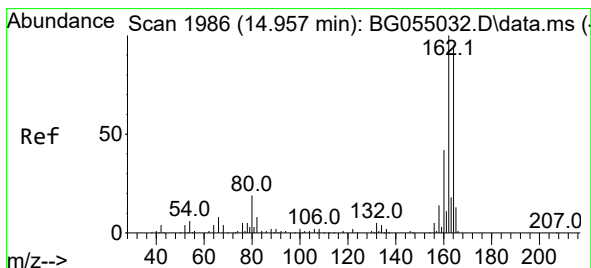
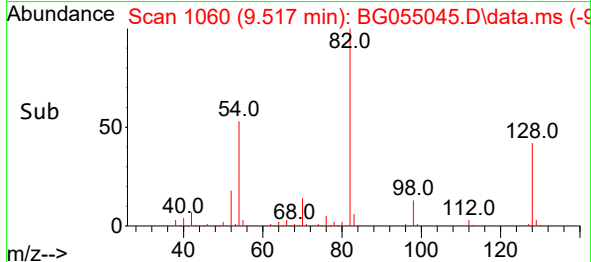
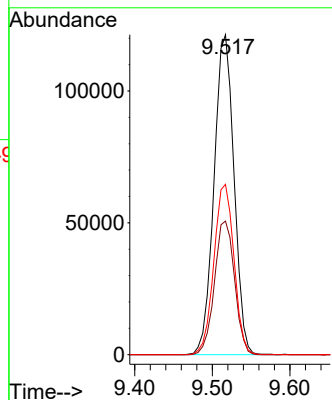
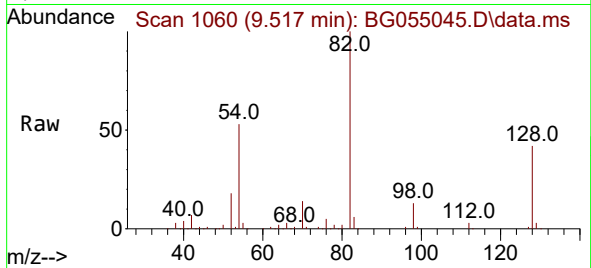




#23
Nitrobenzene-d5
Concen: 85.752 ng
RT: 9.517 min Scan# 1060
Delta R.T. -0.005 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

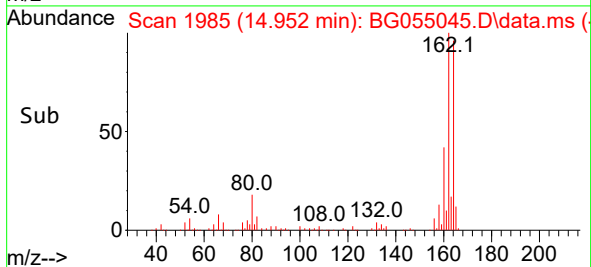
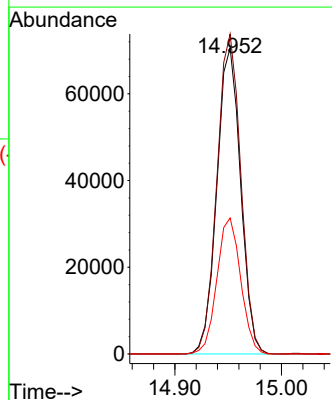
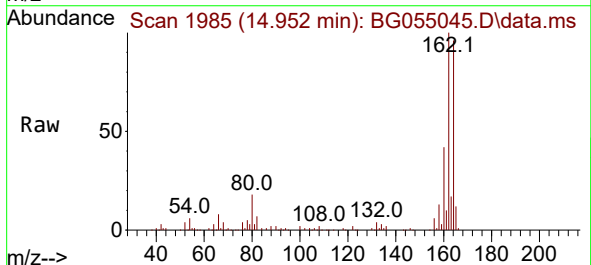
Instrument :
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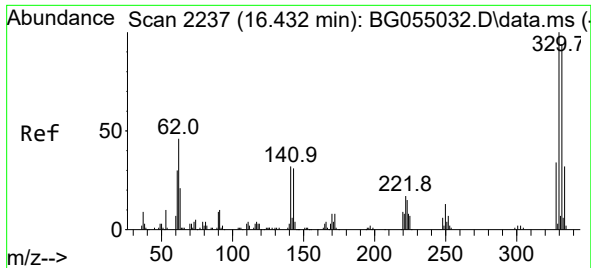
Tgt Ion: 82 Resp: 217773
Ion Ratio Lower Upper
82 100
128 41.7 32.2 48.2
54 53.2 41.4 62.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.952 min Scan# 1985
Delta R.T. -0.005 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion:164 Resp: 108894
Ion Ratio Lower Upper
164 100
162 104.5 83.0 124.4
160 44.4 38.0 57.0

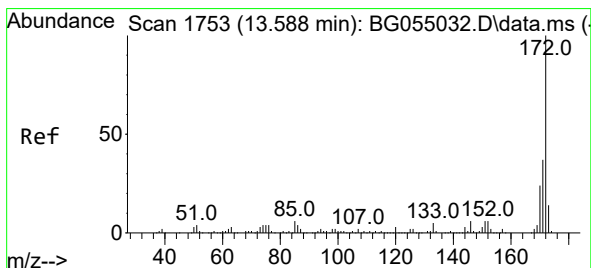
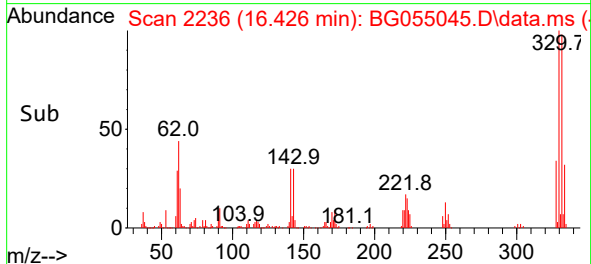
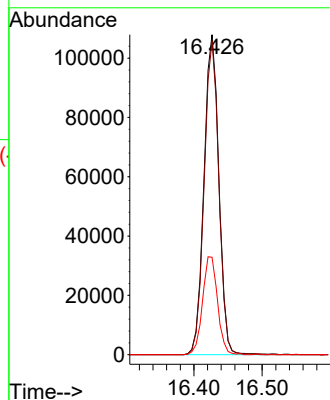
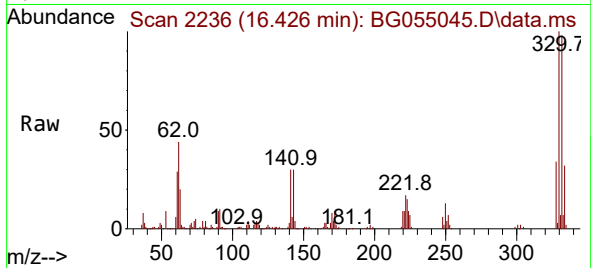




#42
2,4,6-Tribromophenol
Concen: 132.603 ng
RT: 16.426 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

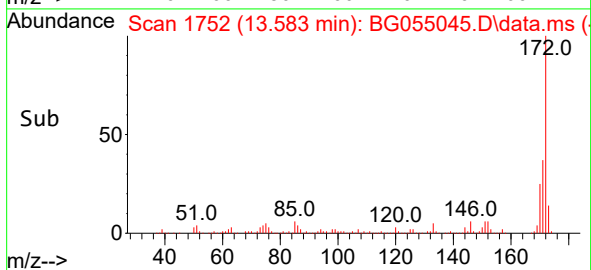
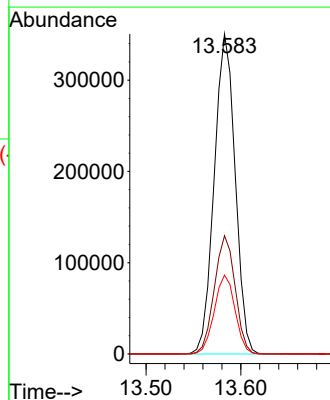
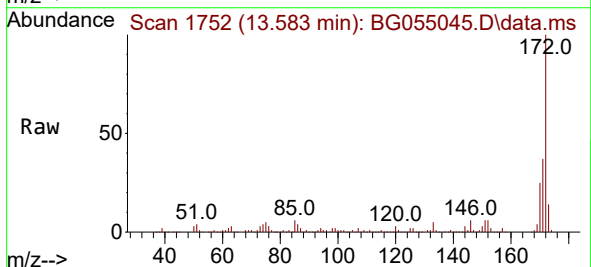
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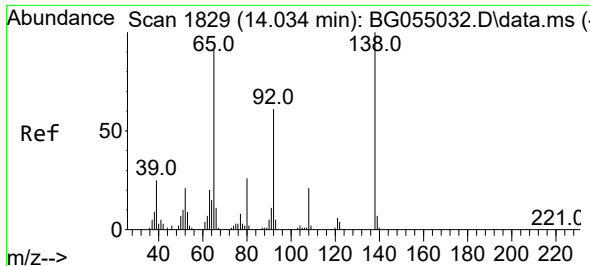
Tgt Ion:330 Resp: 163848
Ion Ratio Lower Upper
330 100
332 96.5 79.8 119.6
141 30.8 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 77.802 ng
RT: 13.583 min Scan# 1752
Delta R.T. -0.005 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion:172 Resp: 538224
Ion Ratio Lower Upper
172 100
171 37.0 31.2 46.8
170 24.7 20.6 30.8

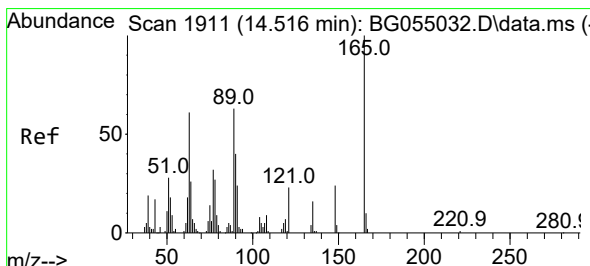
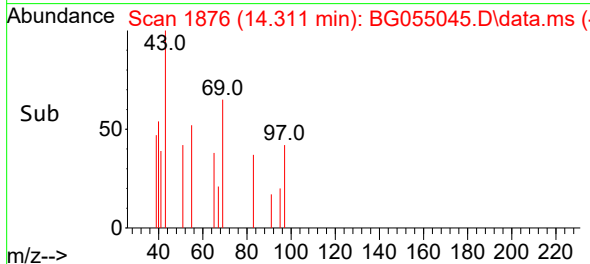
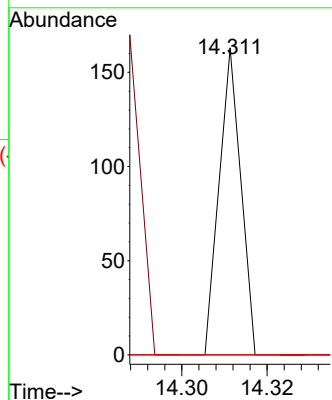
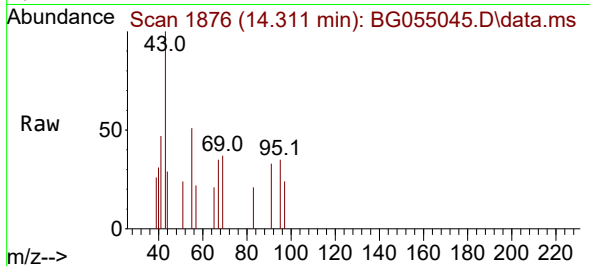




#48
2-Nitroaniline
Concen: 4.338 ng
RT: 14.311 min Scan# 1829
Delta R.T. 0.277 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

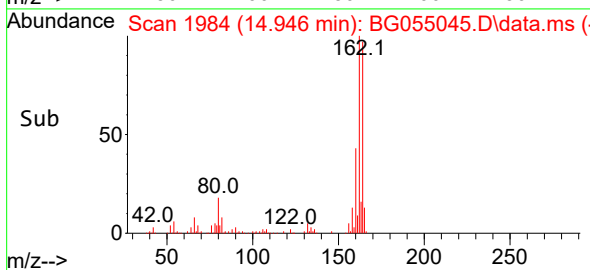
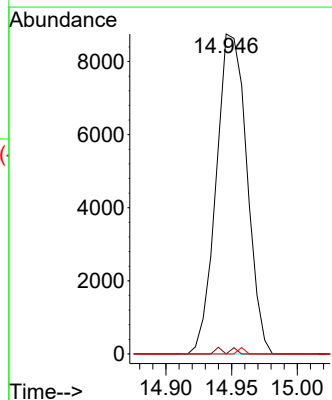
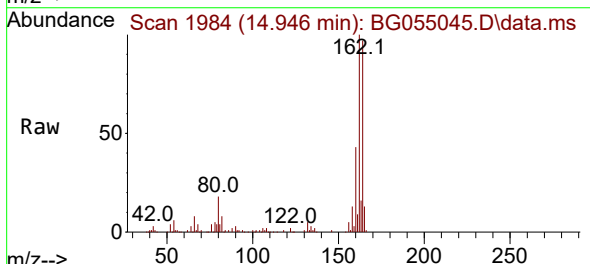
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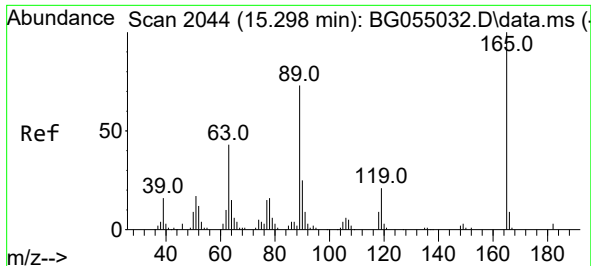
Tgt Ion: 65 Resp: 57
Ion Ratio Lower Upper
65 100
92 0.0 54.7 82.1#
138 0.0 84.1 126.1#



#51
2,6-Dinitrotoluene
Concen: 12.166 ng
RT: 14.946 min Scan# 1984
Delta R.T. 0.430 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion: 165 Resp: 14217
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#





#57

2,4-Dinitrotoluene

Concen: 10.327 ng

RT: 14.946 min Scan# 14

Delta R.T. -0.352 min

Lab File: BG055045.D

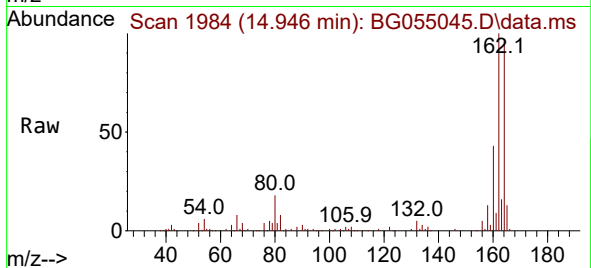
Acq: 30 Sep 2022 18:02

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-STORMWATER-DENALI



Tgt Ion:165 Resp: 14217

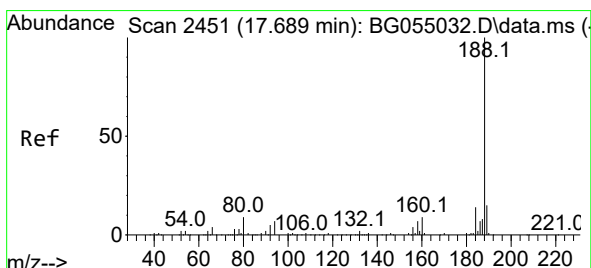
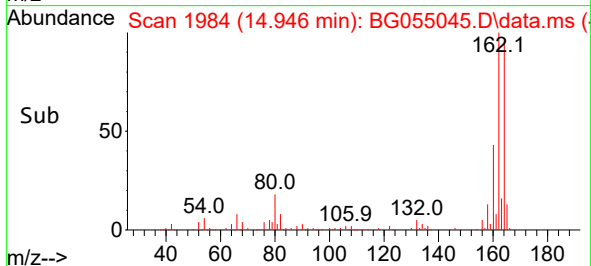
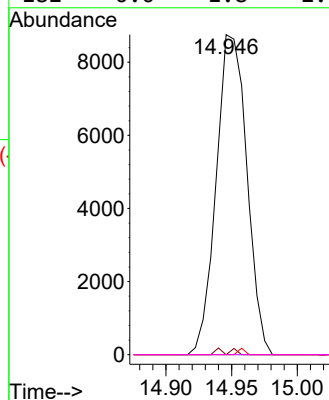
Ion Ratio Lower Upper

165 100

63 0.0 36.8 55.2#

89 0.0 64.3 96.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.684 min Scan# 2450

Delta R.T. -0.005 min

Lab File: BG055045.D

Acq: 30 Sep 2022 18:02

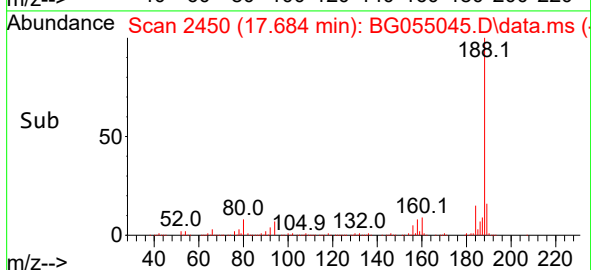
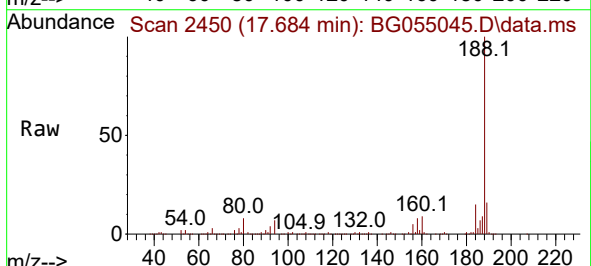
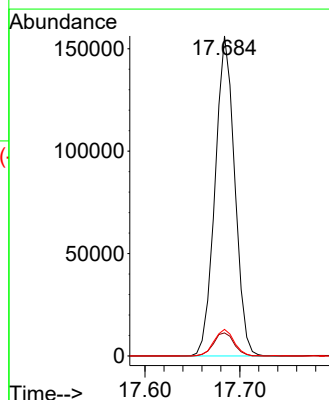
Tgt Ion:188 Resp: 225053

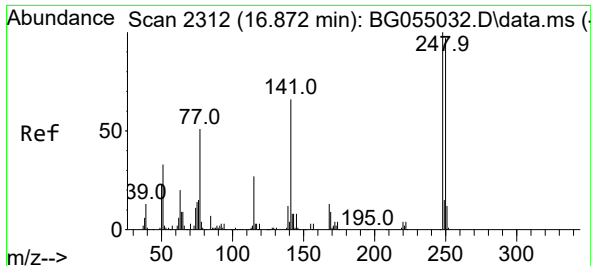
Ion Ratio Lower Upper

188 100

94 7.2 7.0 10.4

80 8.3 7.9 11.9

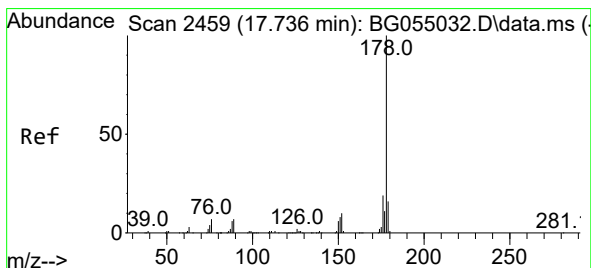
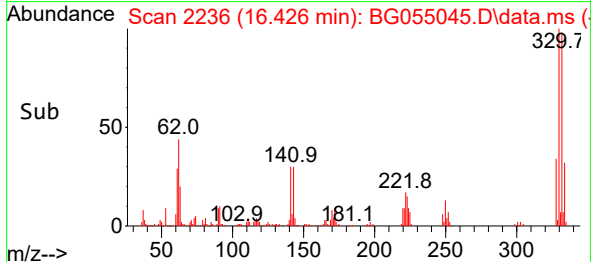
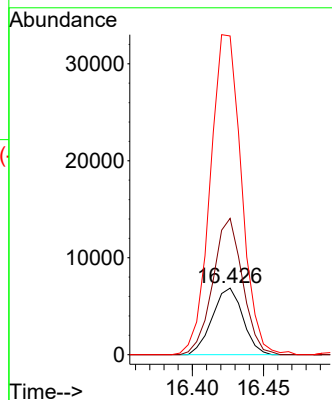
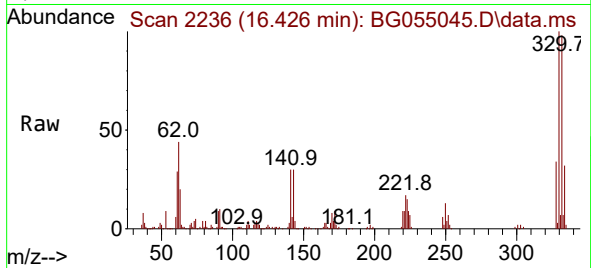




#67
4-Bromophenyl-phenylether
Concen: 4.238 ng
RT: 16.426 min Scan# 21
Delta R.T. -0.446 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

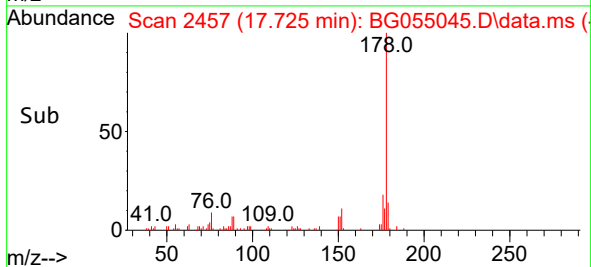
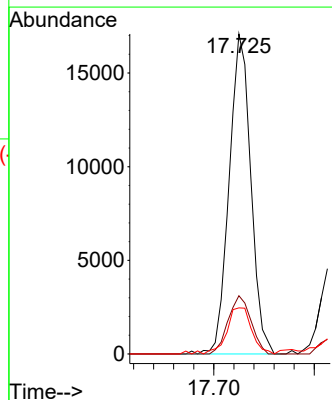
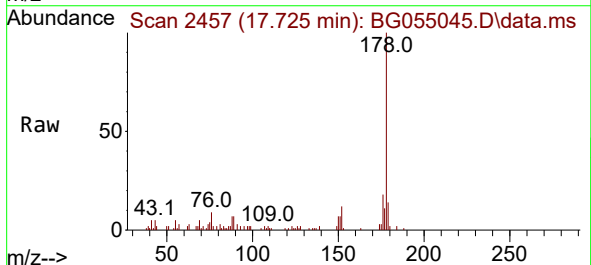
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STORMWATER-DENALI

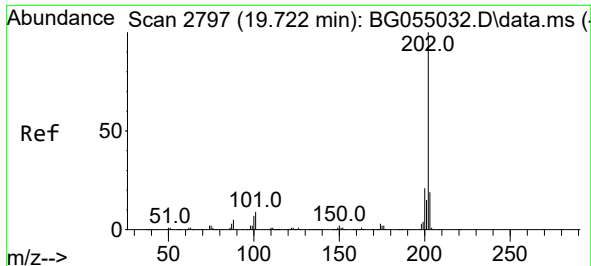
Tgt Ion:248 Resp: 10274
Ion Ratio Lower Upper
248 100
250 204.5 78.8 118.2#
141 478.5 51.9 77.9#



#71
Phenanthrene
Concen: 2.200 ng
RT: 17.725 min Scan# 2457
Delta R.T. -0.011 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion:178 Resp: 25556
Ion Ratio Lower Upper
178 100
176 18.2 16.6 25.0
179 14.4 12.8 19.2

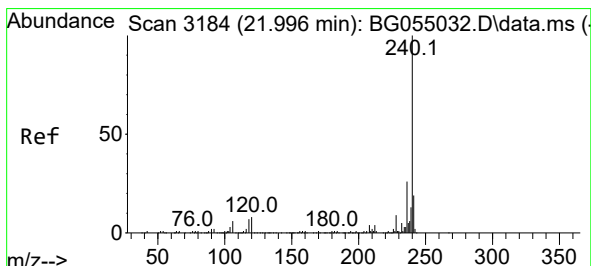
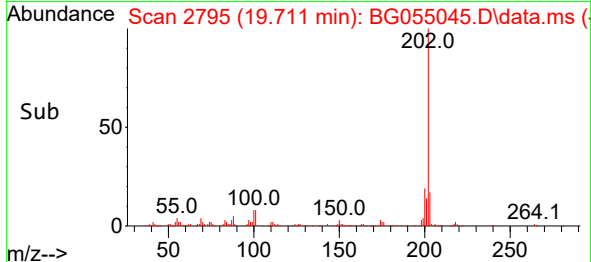
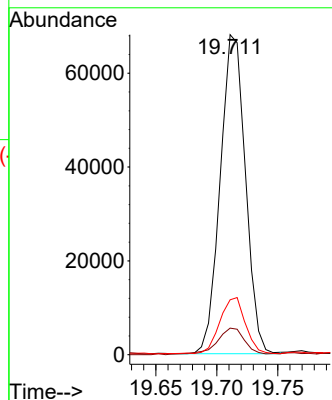
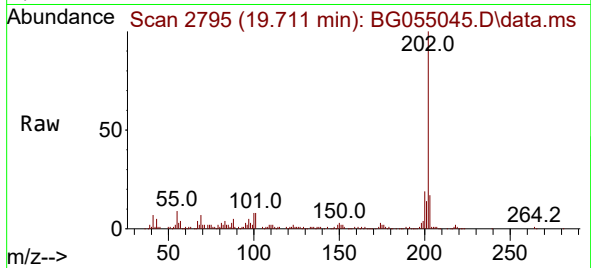




#75
Fluoranthene
Concen: 6.588 ng
RT: 19.711 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

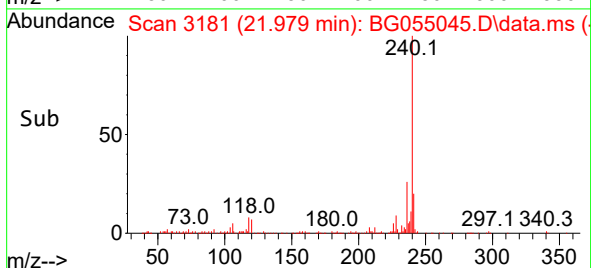
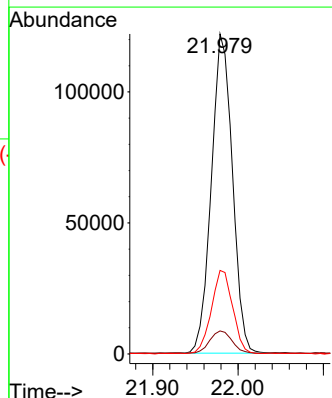
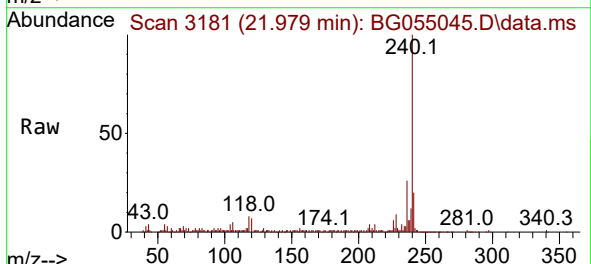
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STORMWATER-DENALI

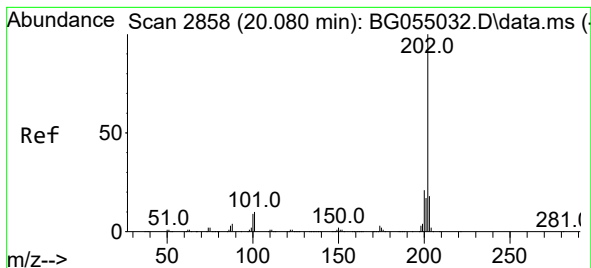
Tgt Ion:202 Resp: 98095
Ion Ratio Lower Upper
202 100
101 8.3 0.0 31.4
203 17.2 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.979 min Scan# 3181
Delta R.T. -0.017 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion:240 Resp: 208927
Ion Ratio Lower Upper
240 100
120 7.2 8.2 12.4#
236 26.1 21.2 31.8





#78

Pyrene

Concen: 7.225 ng

RT: 20.075 min Scan# 2857

Delta R.T. -0.005 min

Lab File: BG055045.D

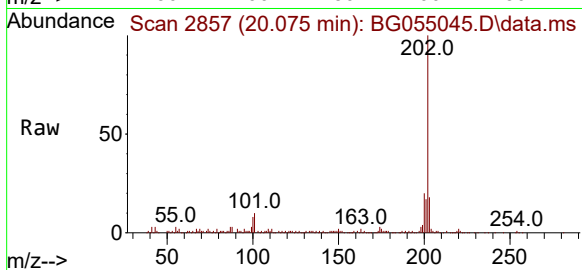
Acq: 30 Sep 2022 18:02

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-STORMWATER-DENALI



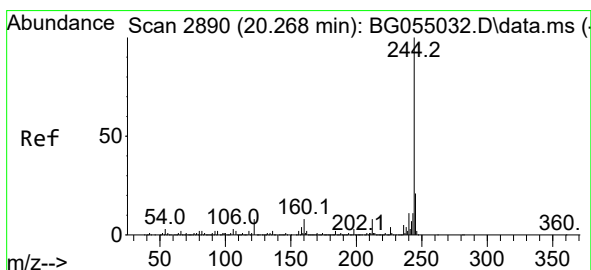
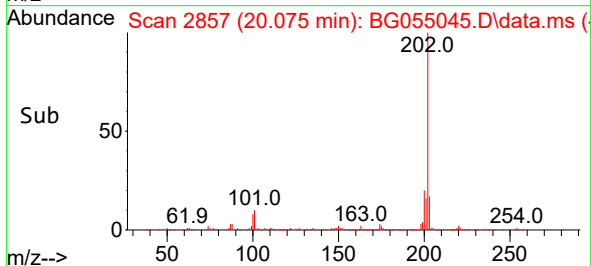
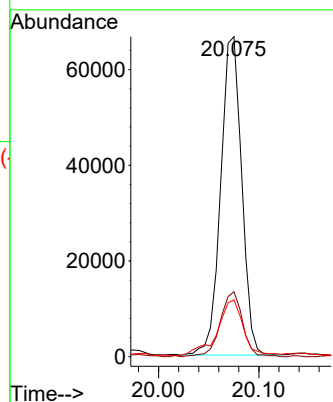
Tgt Ion:202 Resp: 96585

Ion Ratio Lower Upper

202 100

200 20.3 17.8 26.6

203 17.8 14.6 21.8



#79

Terphenyl-d14

Concen: 73.046 ng

RT: 20.263 min Scan# 2889

Delta R.T. -0.005 min

Lab File: BG055045.D

Acq: 30 Sep 2022 18:02

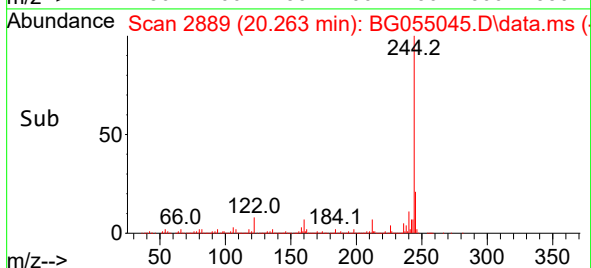
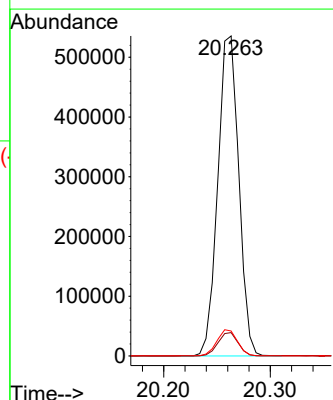
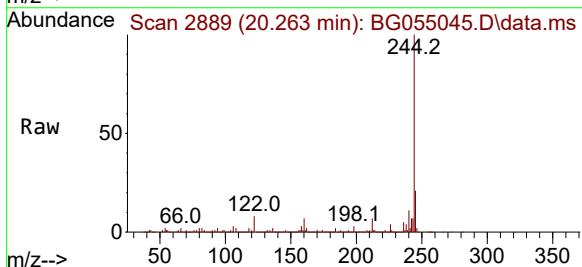
Tgt Ion:244 Resp: 731863

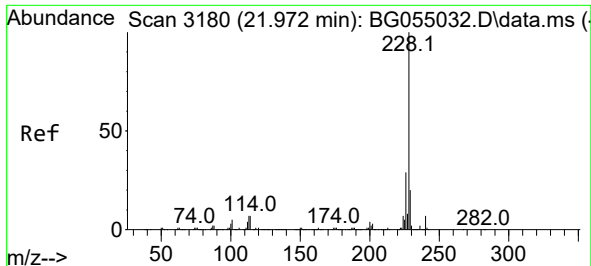
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 7.8 9.0 13.6#

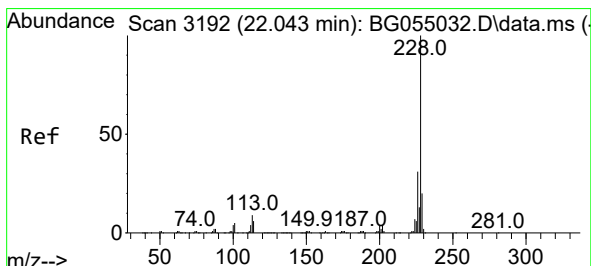
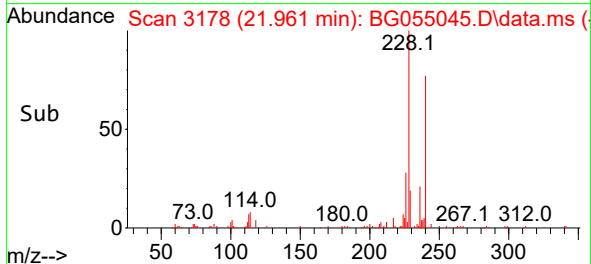
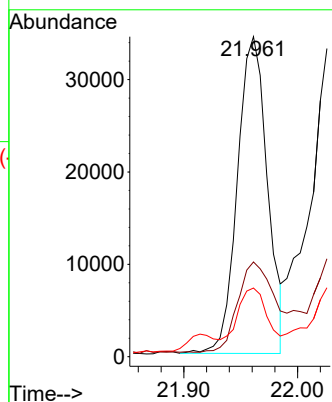
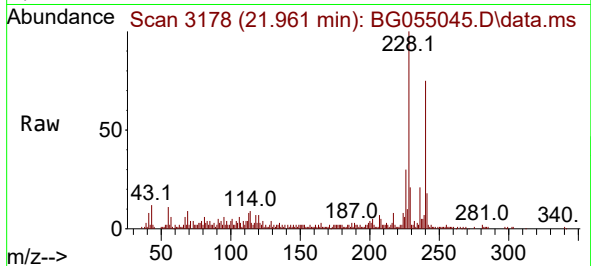




#81
Benzo(a)anthracene
Concen: 4.698 ng
RT: 21.961 min Scan# 3180
Delta R.T. -0.011 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

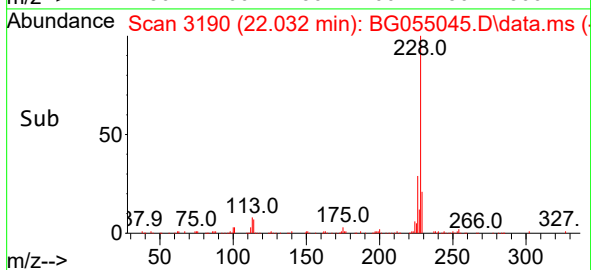
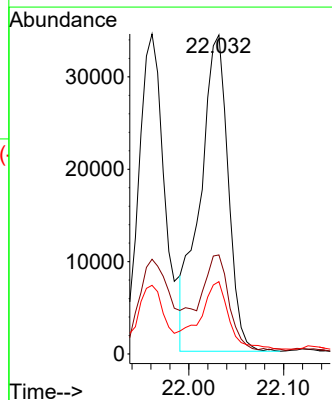
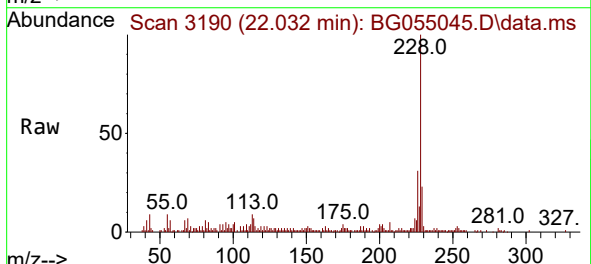
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STORMWATER-DENALI

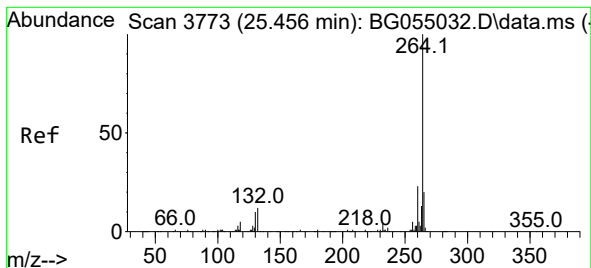
Tgt Ion:228 Resp: 62879
Ion Ratio Lower Upper
228 100
226 29.6 23.4 35.2
229 21.5 16.5 24.7



#83
Chrysene
Concen: 5.601 ng
RT: 22.032 min Scan# 3190
Delta R.T. -0.011 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion:228 Resp: 70592
Ion Ratio Lower Upper
228 100
226 31.1 25.5 38.3
229 22.7 16.8 25.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.439 min Scan# 31

Delta R.T. -0.017 min

Lab File: BG055045.D

Acq: 30 Sep 2022 18:02

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-STORMWATER-DENALI

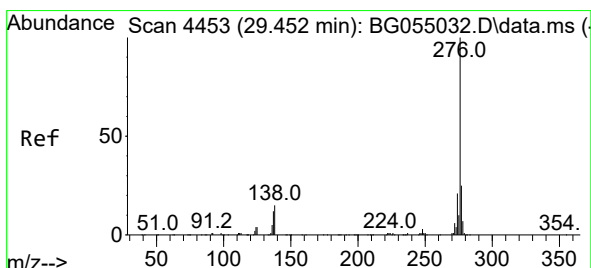
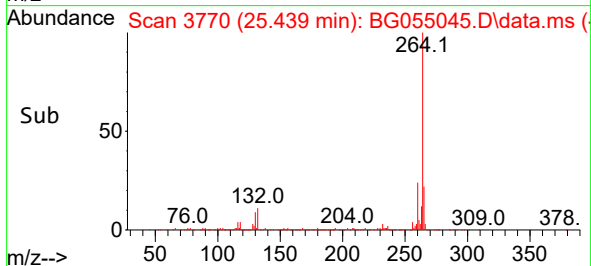
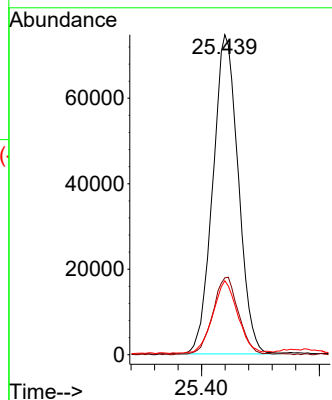
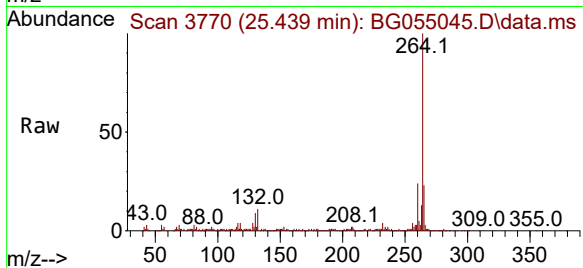
Tgt Ion:264 Resp: 223701

Ion Ratio Lower Upper

264 100

260 24.0 19.9 29.9

265 23.1 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.180 ng

RT: 29.411 min Scan# 4446

Delta R.T. -0.040 min

Lab File: BG055045.D

Acq: 30 Sep 2022 18:02

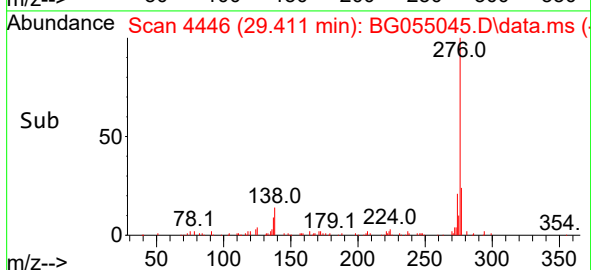
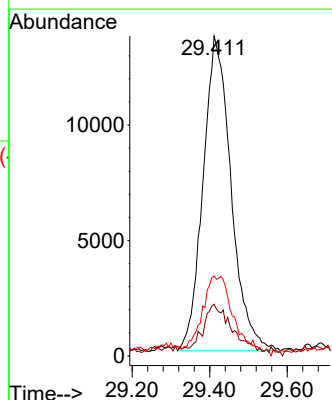
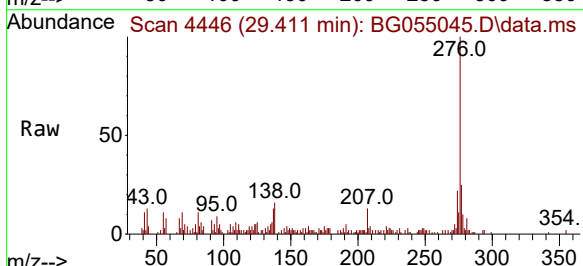
Tgt Ion:276 Resp: 68312

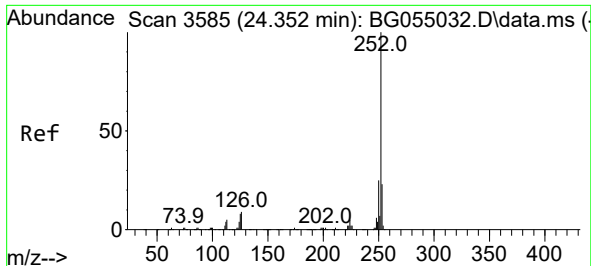
Ion Ratio Lower Upper

276 100

138 14.6 12.0 18.0

277 29.4 20.2 30.4

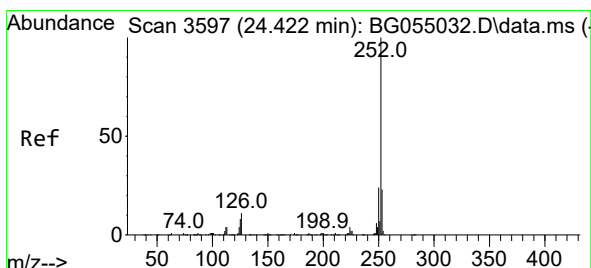
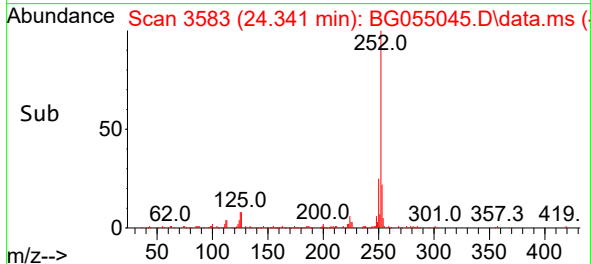
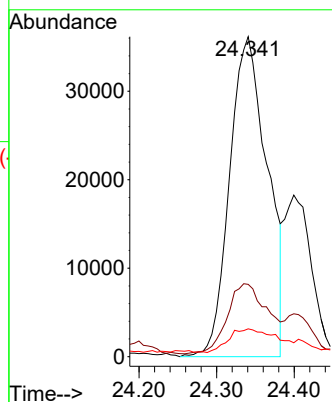
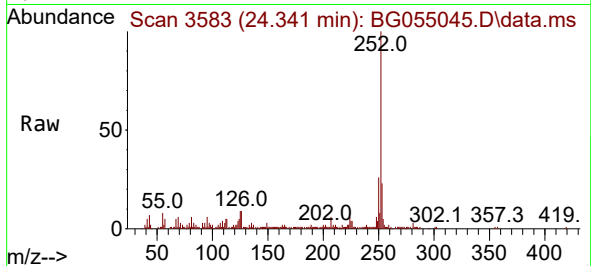




#88
Benzo(b)fluoranthene
Concen: 9.183 ng
RT: 24.341 min Scan# 3583
Delta R.T. -0.011 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

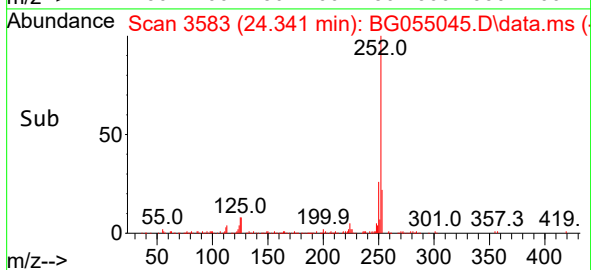
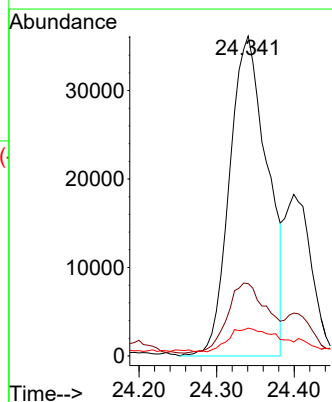
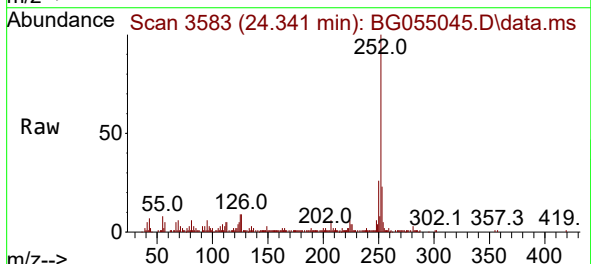
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STORMWATER-DENALI

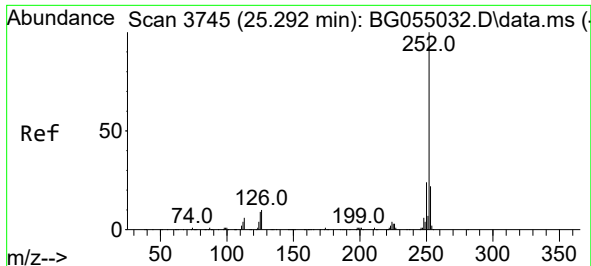
Tgt Ion:252 Resp: 122315
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 8.7 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 9.283 ng
RT: 24.341 min Scan# 3583
Delta R.T. -0.082 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion:252 Resp: 122315
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 8.7 8.2 12.4

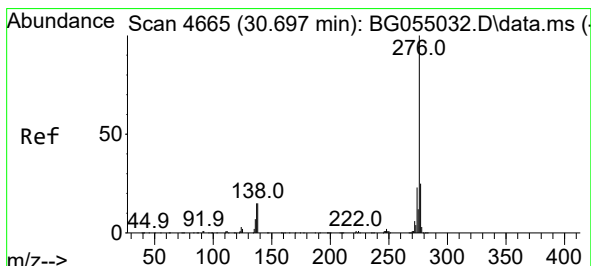
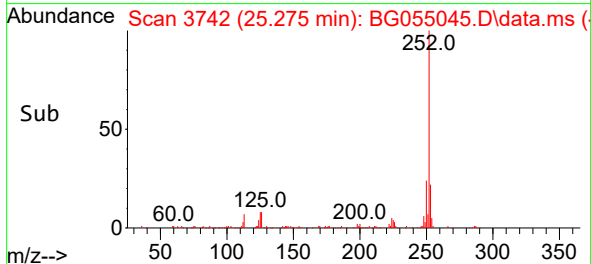
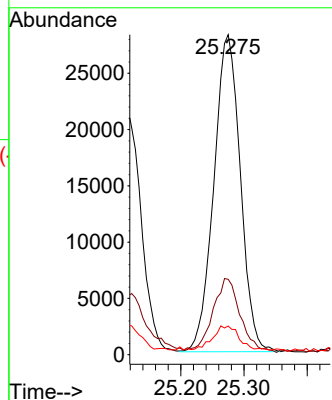
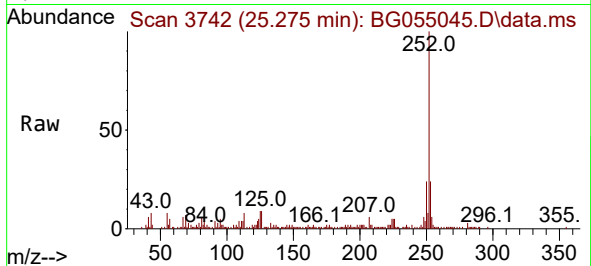




#90
Benzo(a)pyrene
Concen: 7.285 ng
RT: 25.275 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STORMWATER-DENALI

Tgt Ion:252 Resp: 82010
Ion Ratio Lower Upper
252 100
253 23.6 18.3 27.5
125 9.0 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 4.985 ng
RT: 30.663 min Scan# 4659
Delta R.T. -0.034 min
Lab File: BG055045.D
Acq: 30 Sep 2022 18:02

Tgt Ion:276 Resp: 65967
Ion Ratio Lower Upper
276 100
277 22.0 19.4 29.0
138 15.4 16.6 25.0#

