

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042324\
 Data File : BG061011.D
 Acq On : 23 Apr 2024 17:15
 Operator : MA/JU
 Sample : P2178-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-6

Quant Time: Apr 23 18:15:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

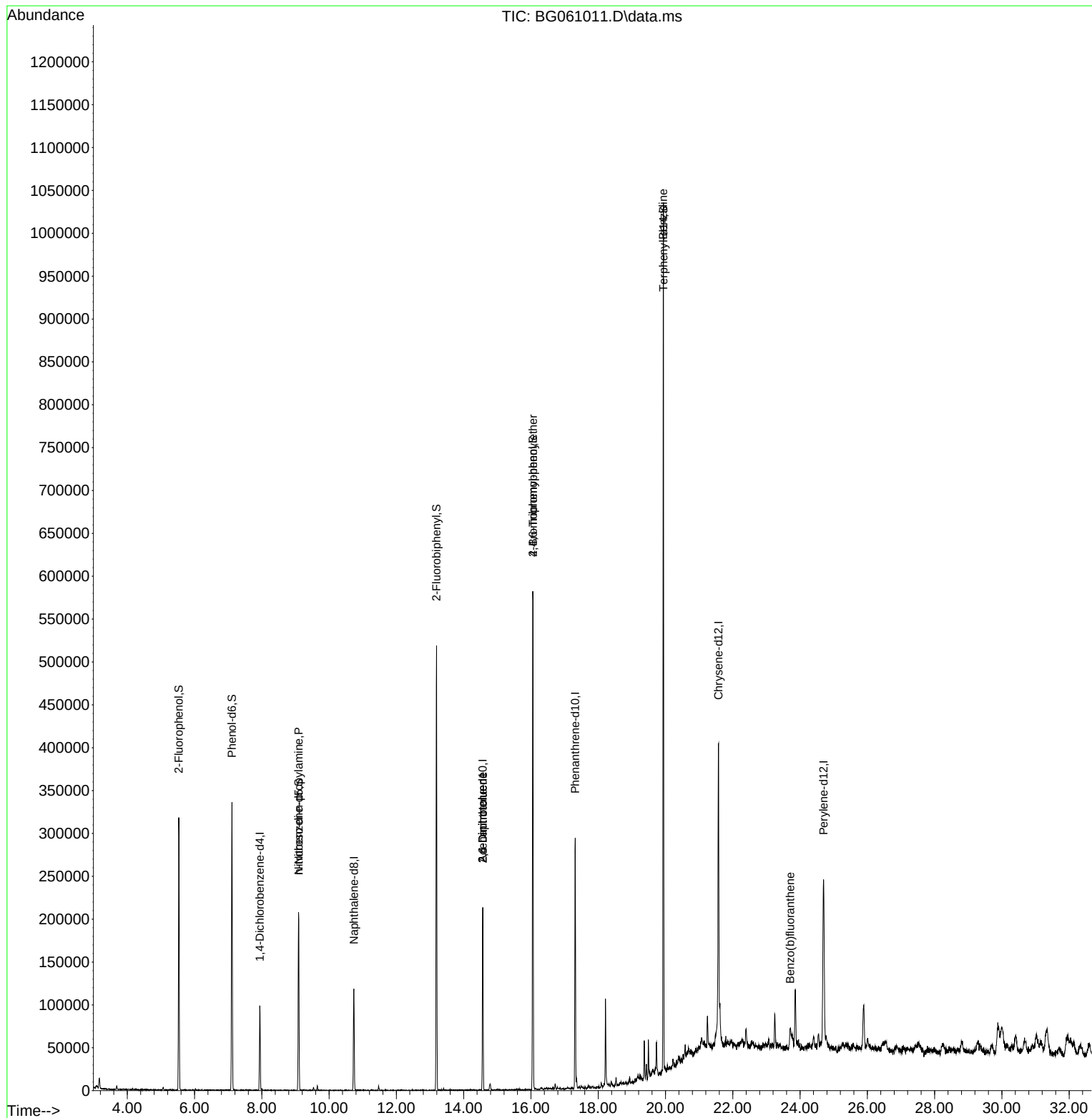
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	26309	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	96478	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	77259	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	188244	20.000	ng	0.00
76) Chrysene-d12	21.572	240	191845	20.000	ng	0.00
86) Perylene-d12	24.698	264	233872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	111966	86.084	ng	0.00
7) Phenol-d6	7.112	99	148353	76.874	ng	0.00
23) Nitrobenzene-d5	9.098	82	104259	48.553	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	128153	75.537	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	263520	47.207	ng	0.00
79) Terphenyl-d14	19.939	244	508533	41.146	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.098	70	16593	11.537	ng	# 64
51) 2,6-Dinitrotoluene	14.568	165	10433	7.848	ng	# 17
57) 2,4-Dinitrotoluene	14.568	165	10433	5.449	ng	# 21
67) 4-Bromophenyl-phenylether	16.061	248	7840	3.156	ng	# 1
77) Benzidine	19.933	184	8724	2.454	ng	# 91
88) Benzo(b)fluoranthene	23.711	252	27439	2.070	ng	# 96

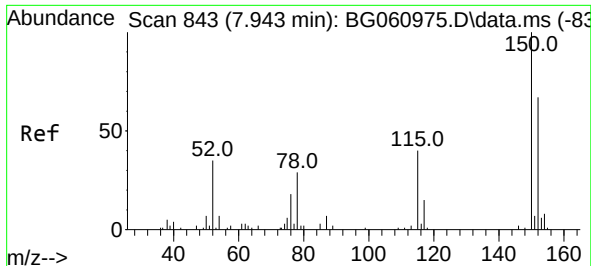
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042324\
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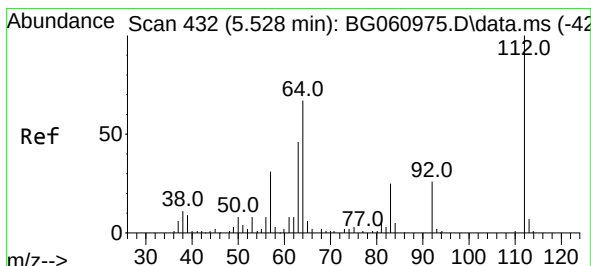
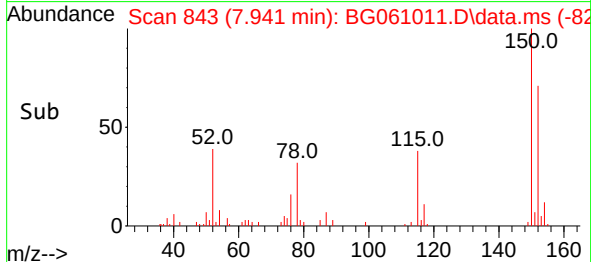
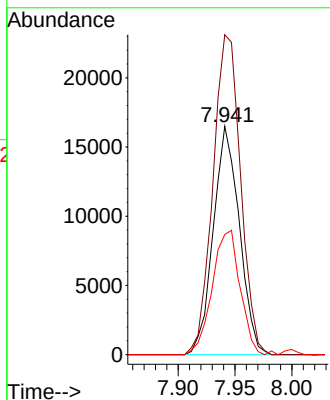
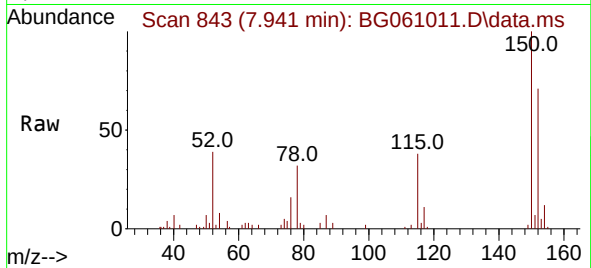




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 843
Delta R.T. -0.002 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

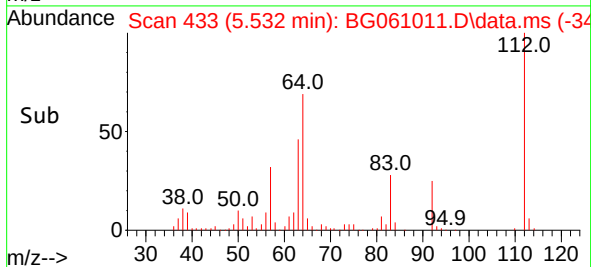
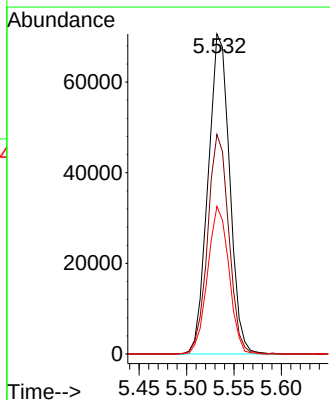
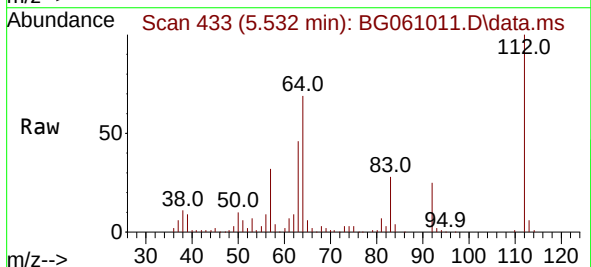
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

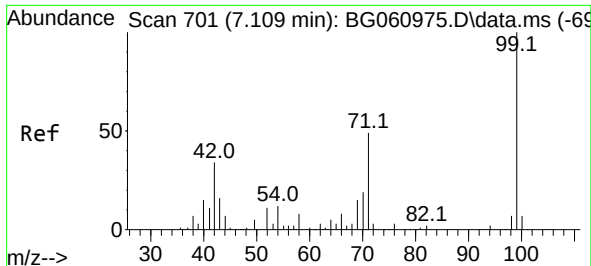
Tgt Ion:152 Resp: 26309
Ion Ratio Lower Upper
152 100
150 140.2 118.6 178.0
115 52.6 47.4 71.0



#5
2-Fluorophenol
Concen: 86.084 ng
RT: 5.532 min Scan# 433
Delta R.T. 0.004 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

Tgt Ion:112 Resp: 111966
Ion Ratio Lower Upper
112 100
64 68.6 53.7 80.5
63 46.1 37.0 55.6

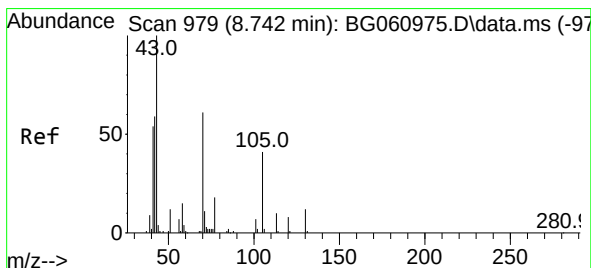
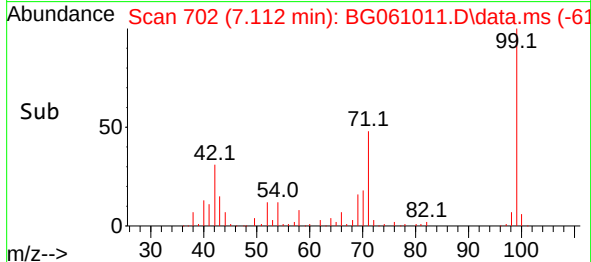
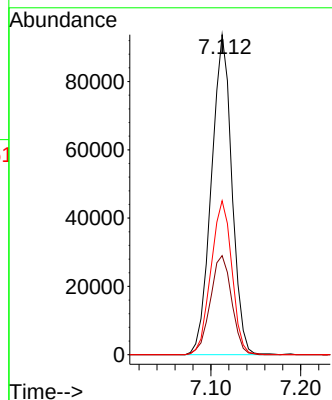
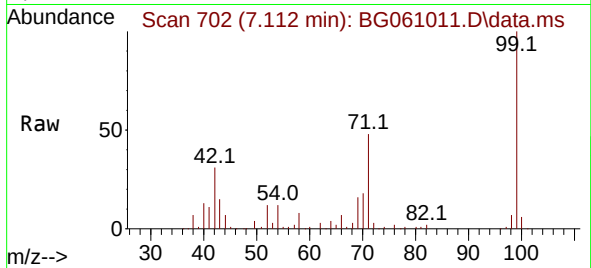




#7
Phenol-d6
Concen: 76.874 ng
RT: 7.112 min Scan# 701
Delta R.T. 0.004 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

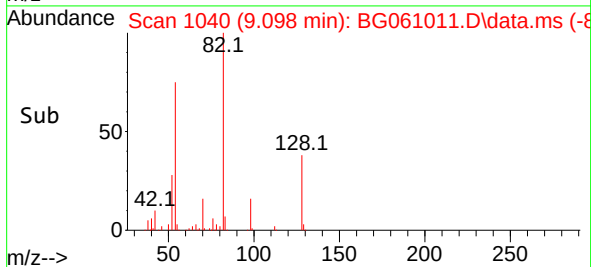
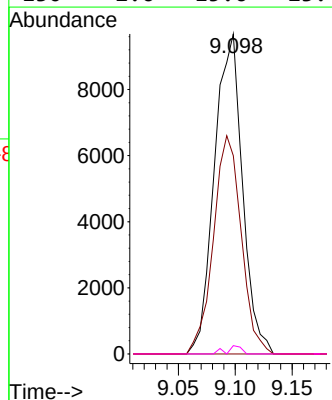
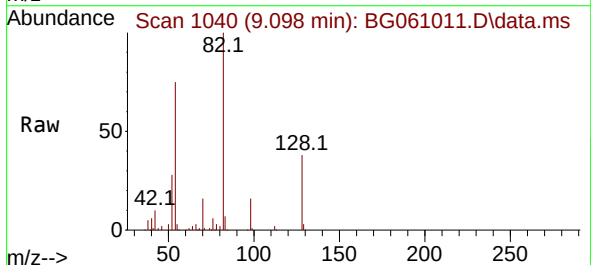
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

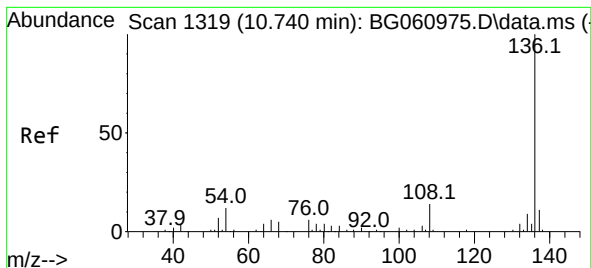
Tgt Ion: 99 Resp: 148353
Ion Ratio Lower Upper
99 100
42 30.9 27.2 40.8
71 48.1 38.8 58.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.537 ng
RT: 9.098 min Scan# 1040
Delta R.T. 0.356 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

Tgt Ion: 70 Resp: 16593
Ion Ratio Lower Upper
70 100
42 62.0 78.0 117.0#
101 0.0 8.6 13.0#
130 2.6 15.6 23.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.738 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG061011.D

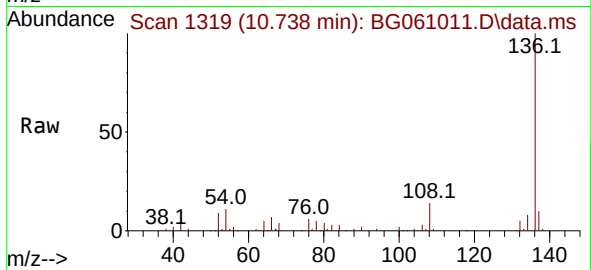
Acq: 23 Apr 2024 17:15

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-6



Tgt Ion:136 Resp: 96478

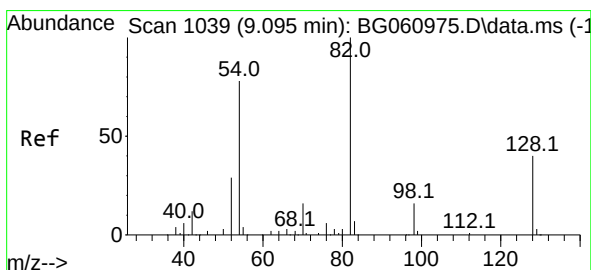
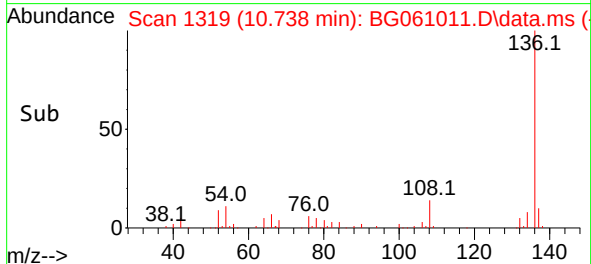
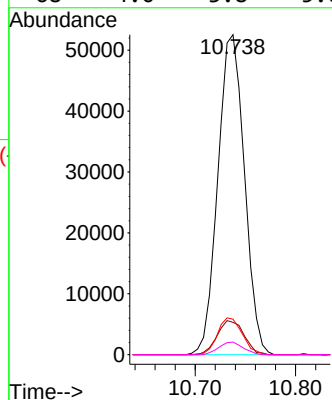
Ion Ratio Lower Upper

136 100

137 10.1 8.5 12.7

54 11.1 9.4 14.0

68 4.0 3.8 5.6



#23

Nitrobenzene-d5

Concen: 48.553 ng

RT: 9.098 min Scan# 1040

Delta R.T. 0.004 min

Lab File: BG061011.D

Acq: 23 Apr 2024 17:15

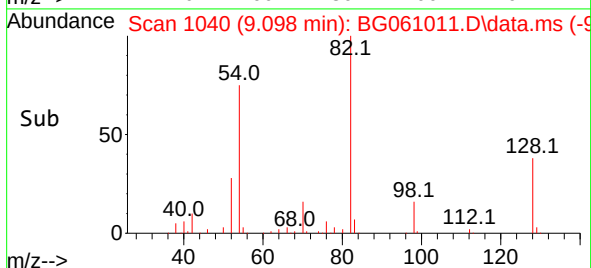
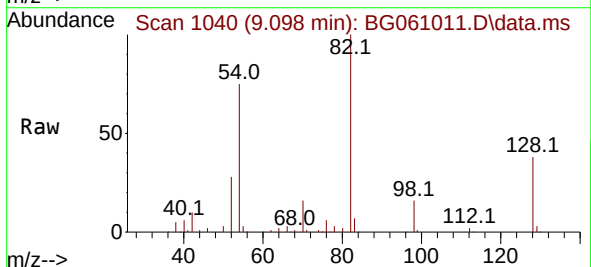
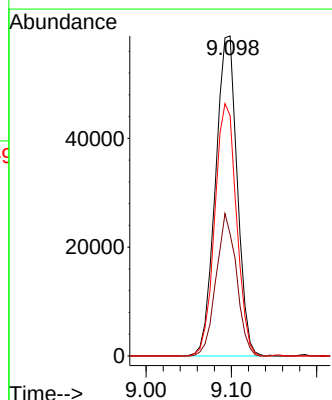
Tgt Ion: 82 Resp: 104259

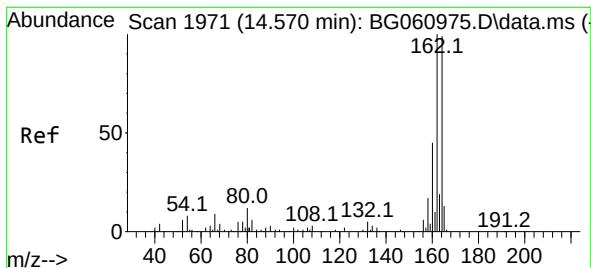
Ion Ratio Lower Upper

82 100

128 38.1 32.1 48.1

54 75.1 62.3 93.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.002 min

Lab File: BG061011.D

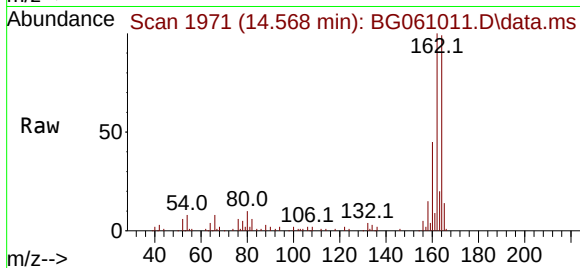
Acq: 23 Apr 2024 17:15

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-6



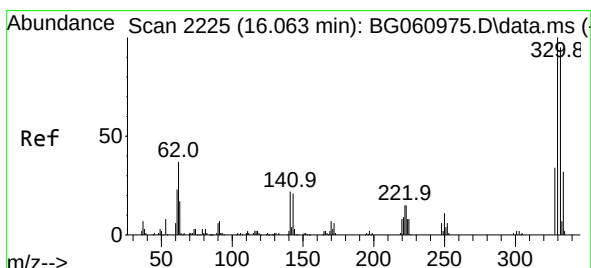
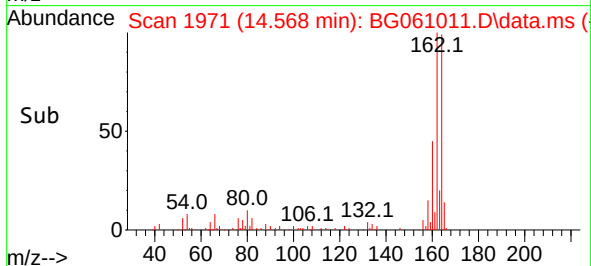
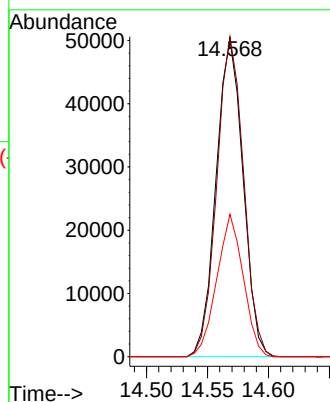
Tgt Ion:164 Resp: 77259

Ion	Ratio	Lower	Upper
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164	100		
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162	100.9	81.2	121.8
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160	44.9	36.2	54.2
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#42

2,4,6-Tribromophenol

Concen: 75.537 ng

RT: 16.061 min Scan# 2225

Delta R.T. -0.002 min

Lab File: BG061011.D

Acq: 23 Apr 2024 17:15

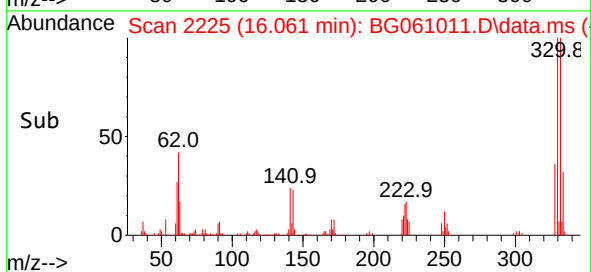
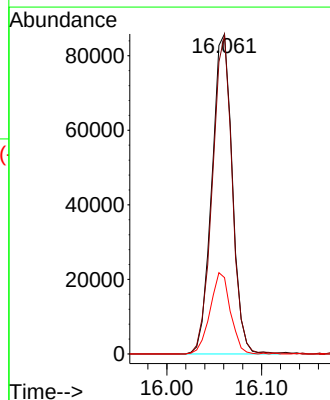
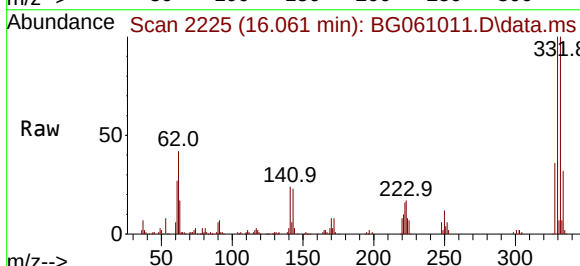
Tgt Ion:330 Resp: 128153

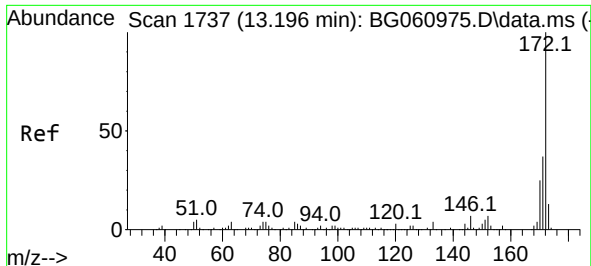
Ion	Ratio	Lower	Upper
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330	100		
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332	97.0	77.1	115.7
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141	25.3	20.6	31.0
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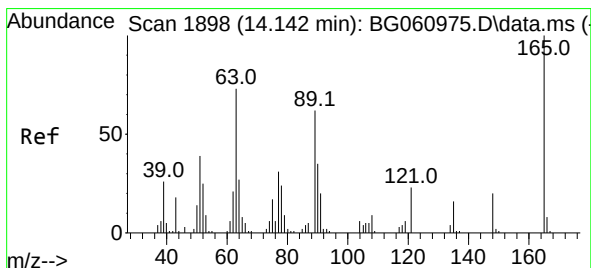
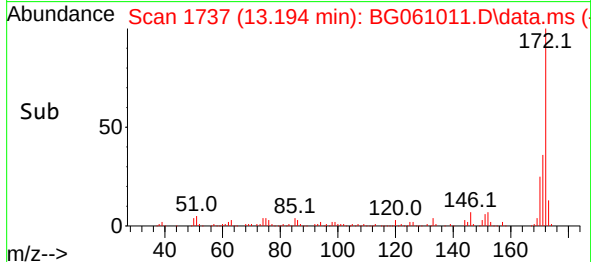
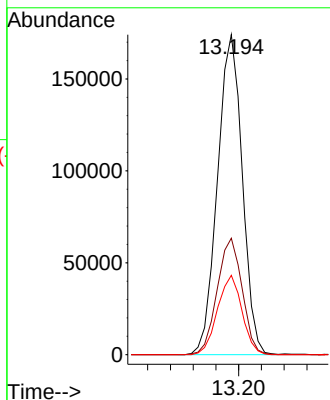
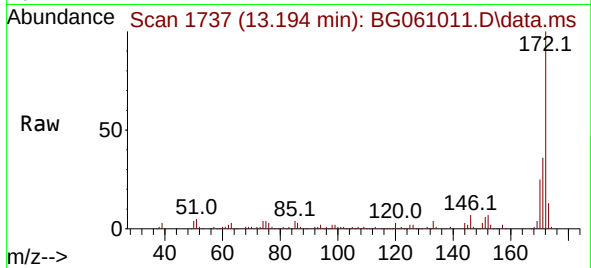




#45
2-Fluorobiphenyl
Concen: 47.207 ng
RT: 13.194 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

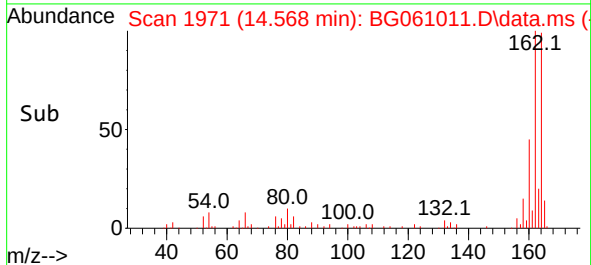
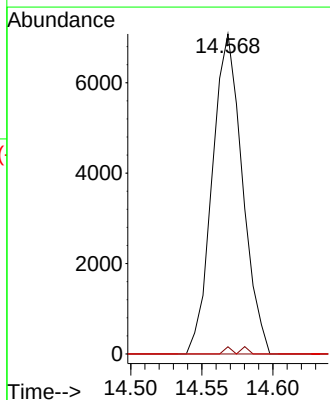
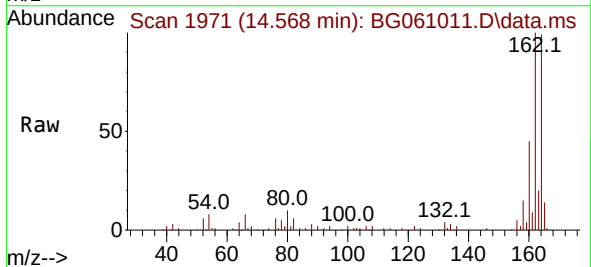
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

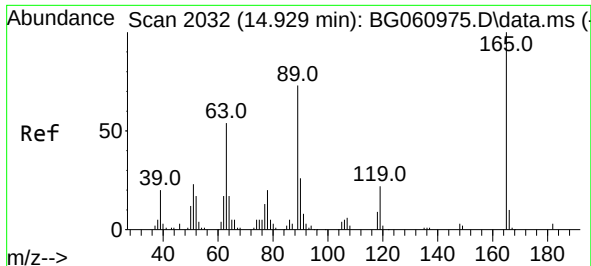
Tgt Ion:172 Resp: 263520
Ion Ratio Lower Upper
172 100
171 36.4 29.3 43.9
170 24.8 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.848 ng
RT: 14.568 min Scan# 1971
Delta R.T. 0.427 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

Tgt Ion:165 Resp: 10433
Ion Ratio Lower Upper
165 100
63 2.2 59.6 89.4#
89 0.0 49.4 74.0#





#57

2,4-Dinitrotoluene

Concen: 5.449 ng

RT: 14.568 min Scan# 1971

Delta R.T. -0.360 min

Lab File: BG061011.D

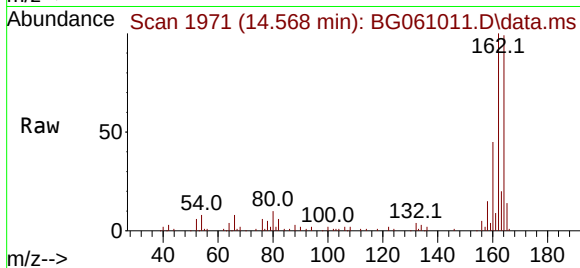
Acq: 23 Apr 2024 17:15

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-6



Tgt Ion:165 Resp: 10433

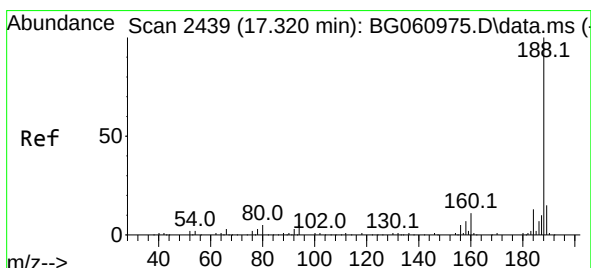
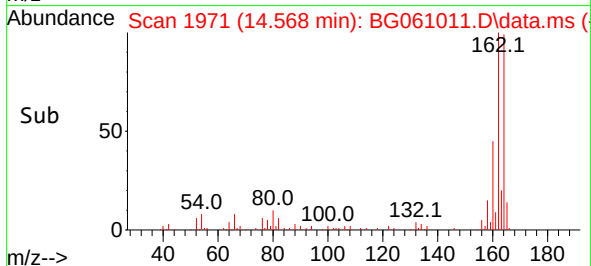
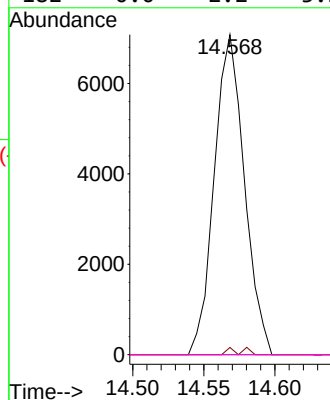
Ion Ratio Lower Upper

165 100

63 2.2 43.4 65.2#

89 0.0 58.4 87.6#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.318 min Scan# 2439

Delta R.T. -0.002 min

Lab File: BG061011.D

Acq: 23 Apr 2024 17:15

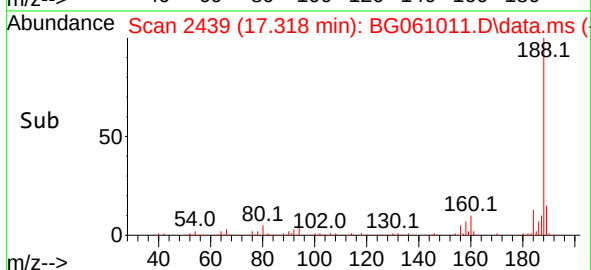
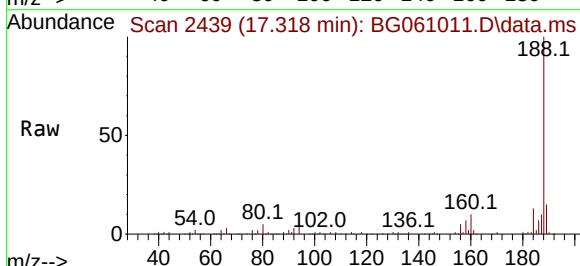
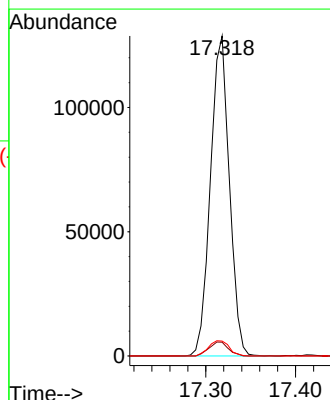
Tgt Ion:188 Resp: 188244

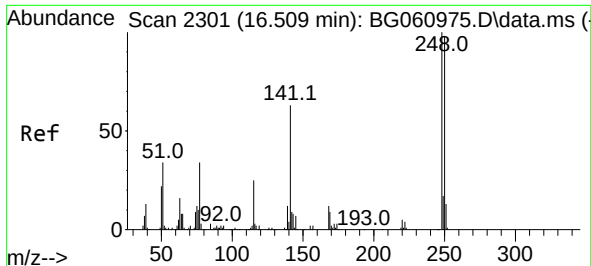
Ion Ratio Lower Upper

188 100

94 4.3 4.1 6.1

80 4.6 4.0 6.0

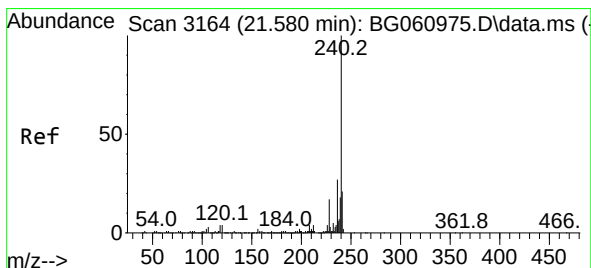
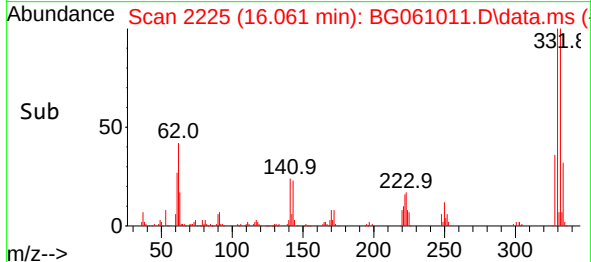
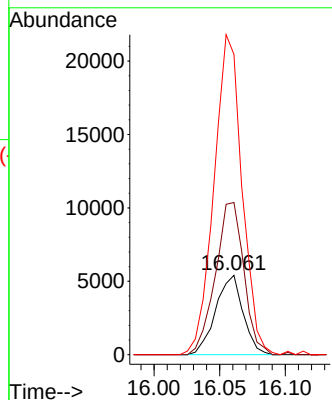
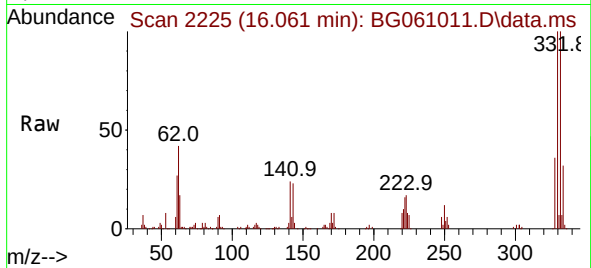




#67
4-Bromophenyl-phenylether
Concen: 3.156 ng
RT: 16.061 min Scan# 211
Delta R.T. -0.449 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

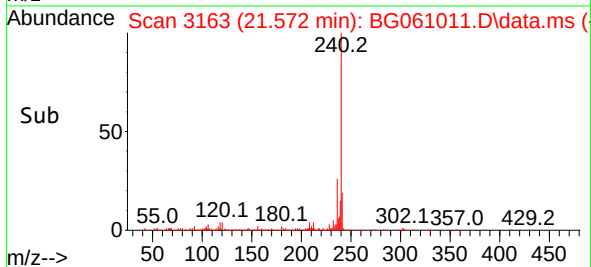
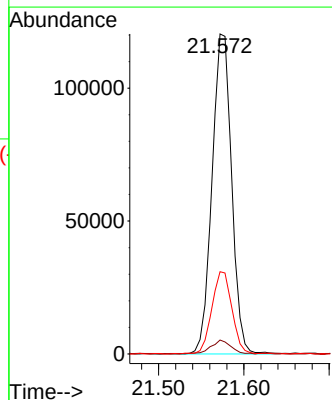
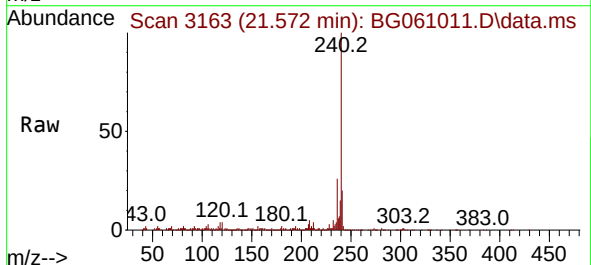
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

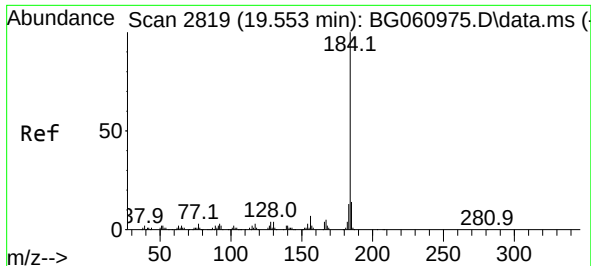
Tgt Ion:248 Resp: 7840
Ion Ratio Lower Upper
248 100
250 191.8 78.7 118.1#
141 378.3 50.4 75.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3163
Delta R.T. -0.008 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

Tgt Ion:240 Resp: 191845
Ion Ratio Lower Upper
240 100
120 4.3 3.0 4.6
236 25.7 21.8 32.6

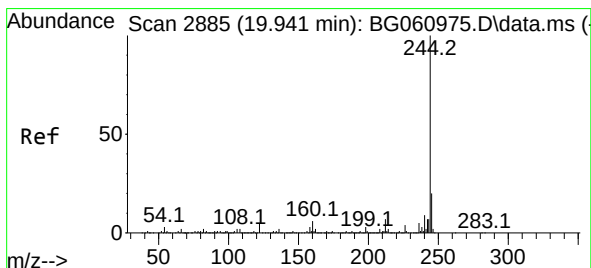
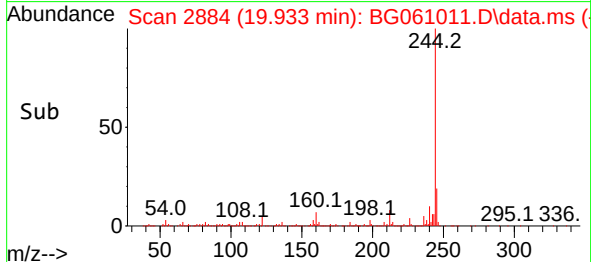
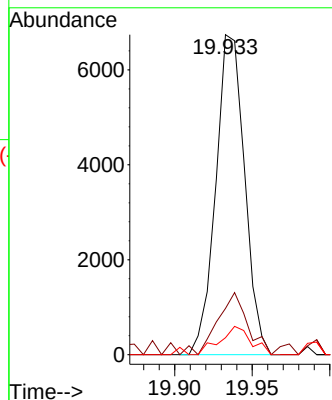
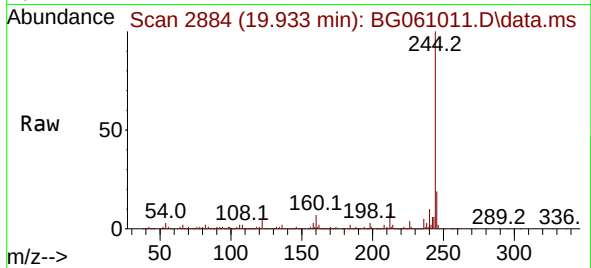




#77
Benzidine
Concen: 2.454 ng
RT: 19.933 min Scan# 2819
Delta R.T. 0.380 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

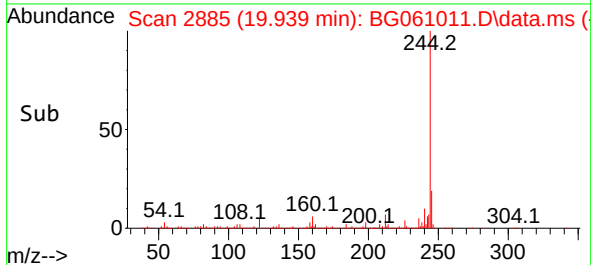
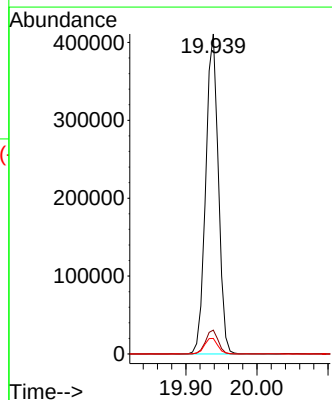
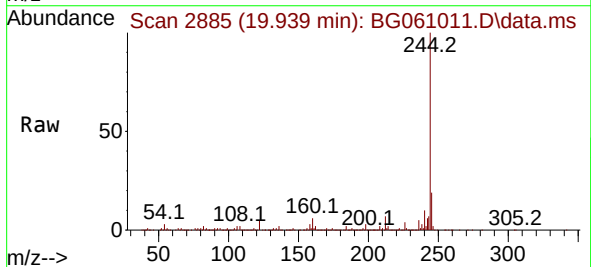
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-LKWD-DENALI-6

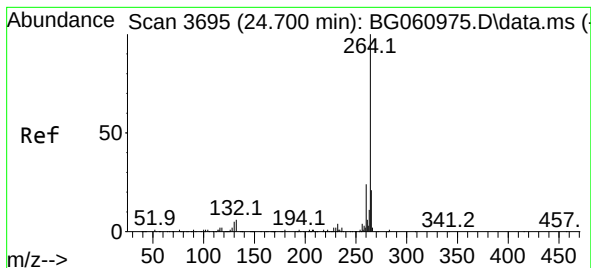
Tgt Ion:184 Resp: 8724
Ion Ratio Lower Upper
184 100
185 14.4 11.3 16.9
183 5.3 10.2 15.2#



#79
Terphenyl-d14
Concen: 41.146 ng
RT: 19.939 min Scan# 2885
Delta R.T. -0.002 min
Lab File: BG061011.D
Acq: 23 Apr 2024 17:15

Tgt Ion:244 Resp: 508533
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 4.8 4.2 6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.698 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG061011.D

Acq: 23 Apr 2024 17:15

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-LKWD-DENALI-6

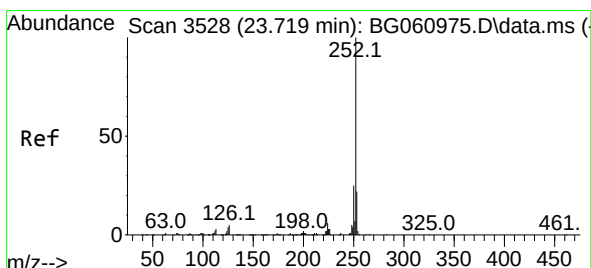
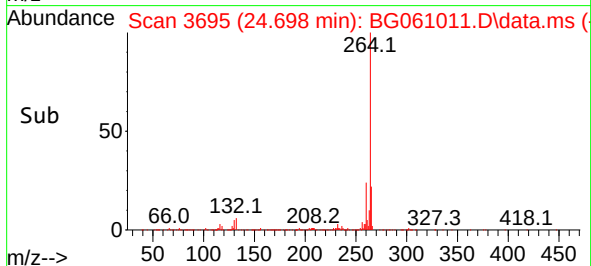
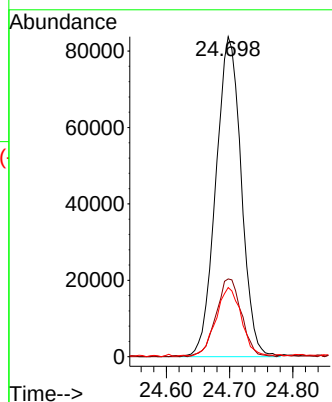
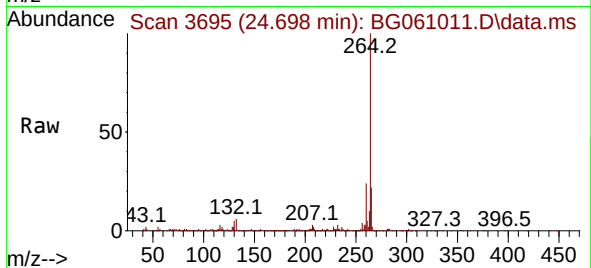
Tgt Ion:264 Resp: 233872

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 21.6 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.070 ng

RT: 23.711 min Scan# 3527

Delta R.T. -0.008 min

Lab File: BG061011.D

Acq: 23 Apr 2024 17:15

Tgt Ion:252 Resp: 27439

Ion Ratio Lower Upper

252 100

253 20.6 17.5 26.3

125 6.8 3.3 4.9#

