

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
 Data File : BG056399.D
 Acq On : 24 Jan 2023 12:06
 Operator : CG/JU
 Sample : 01152-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-STMWTR-DENALI-2

Quant Time: Jan 25 05:01:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 04:54:56 2023
 Response via : Initial Calibration

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

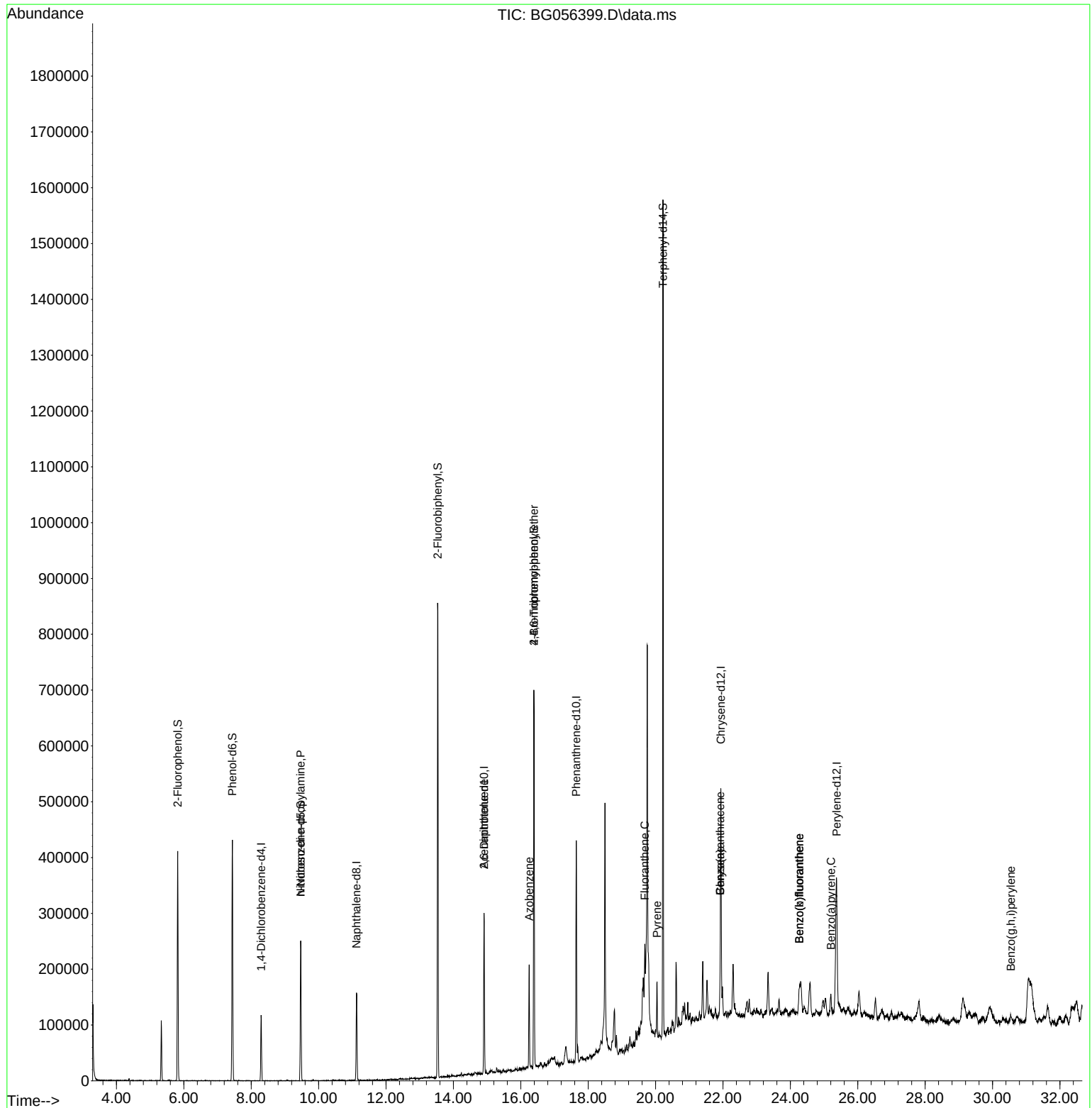
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.293	152	39197	20.000	ng	0.00
21) Naphthalene-d8	11.125	136	147113	20.000	ng	0.00
39) Acenaphthene-d10	14.909	164	110794	20.000	ng	0.00
64) Phenanthrene-d10	17.647	188	272554	20.000	ng	0.00
76) Chrysene-d12	21.936	240	262944	20.000	ng	# 0.00
86) Perylene-d12	25.373	264	286197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.819	112	235645	107.341	ng	0.00
7) Phenol-d6	7.441	99	334621	99.254	ng	0.00
23) Nitrobenzene-d5	9.468	82	172911	60.122	ng	0.00
42) 2,4,6-Tribromophenol	16.389	330	150102	106.972	ng	0.00
45) 2-Fluorobiphenyl	13.534	172	496647	61.900	ng	0.00
79) Terphenyl-d14	20.220	244	815500	55.548	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.468	70	21554	10.514	ng	# 71
51) 2,6-Dinitrotoluene	14.909	165	14968	7.854	ng	# 31
63) Azobenzene	16.248	77	50376	7.783	ng	# 1
67) 4-Bromophenyl-phenylether	16.389	248	11892	3.426	ng	# 1
75) Fluoranthene	19.680	202	66757	3.623	ng	94
78) Pyrene	20.044	202	68251	3.683	ng	98
81) Benzo(a)anthracene	21.918	228	39877	2.159	ng	96
83) Chrysene	21.918	228	39877	2.305	ng	97
88) Benzo(b)fluoranthene	24.268	252	66422	3.653	ng	# 97
89) Benzo(k)fluoranthene	24.268	252	66422	3.668	ng	# 97
90) Benzo(a)pyrene	25.202	252	45661	2.575	ng	# 92
92) Benzo(g,h,i)perylene	30.543	276	34814	2.057	ng	# 92

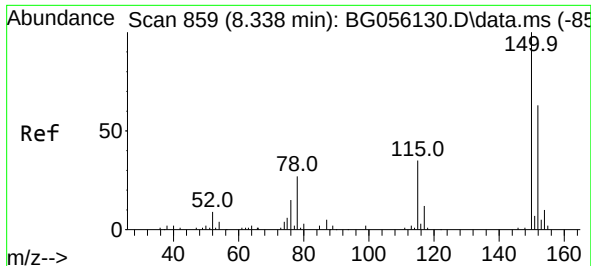
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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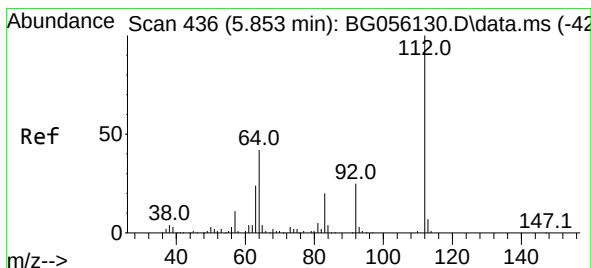
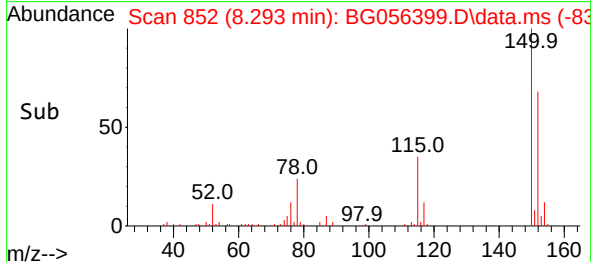
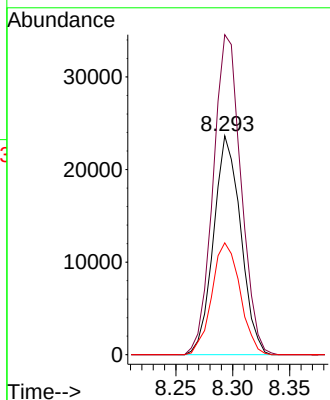
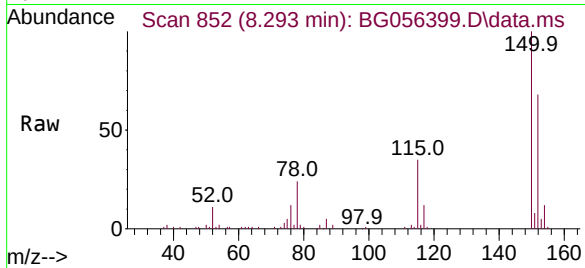




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.293 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

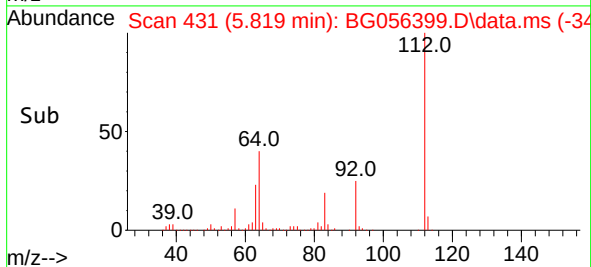
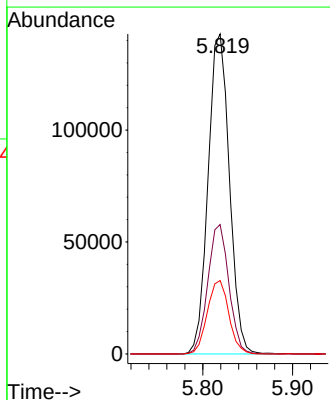
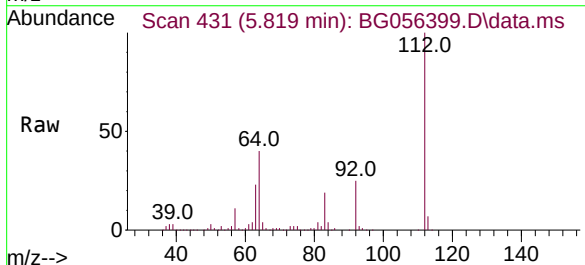
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

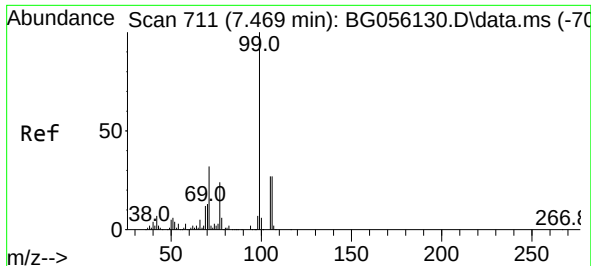
Tgt Ion:152 Resp: 39197
Ion Ratio Lower Upper
152 100
150 146.2 127.9 191.9
115 51.1 44.2 66.2



#5
2-Fluorophenol
Concen: 107.341 ng
RT: 5.819 min Scan# 431
Delta R.T. 0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Tgt Ion:112 Resp: 235645
Ion Ratio Lower Upper
112 100
64 40.5 33.3 49.9
63 23.0 19.0 28.4

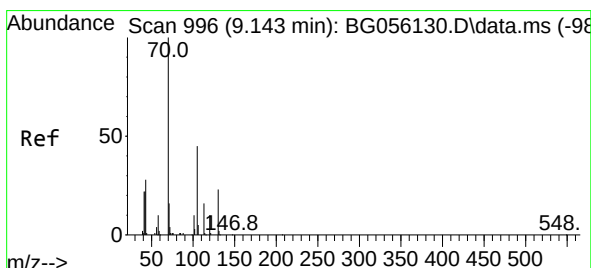
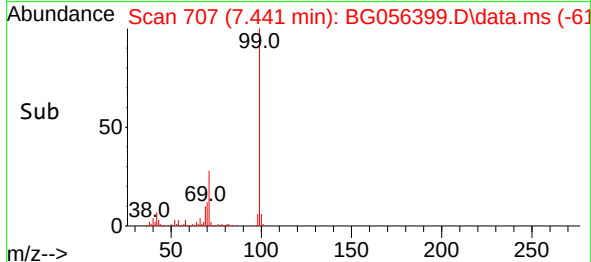
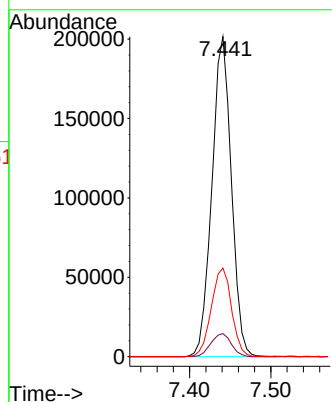
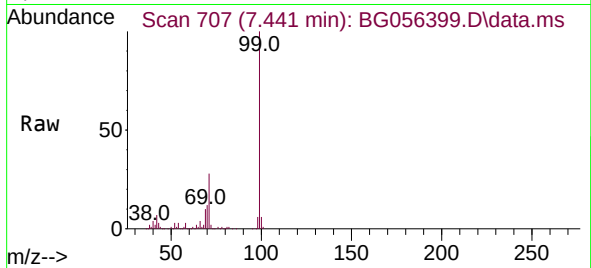




#7
Phenol-d6
Concen: 99.254 ng
RT: 7.441 min Scan# 70
Delta R.T. 0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

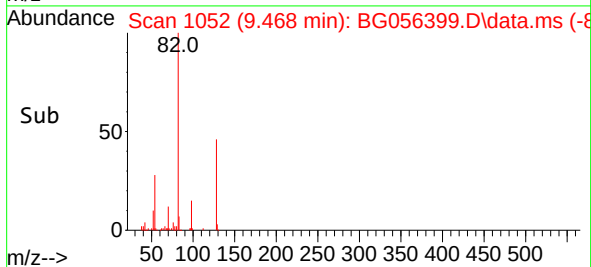
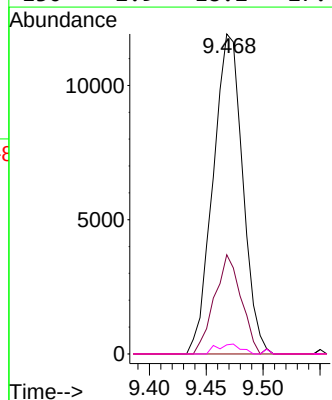
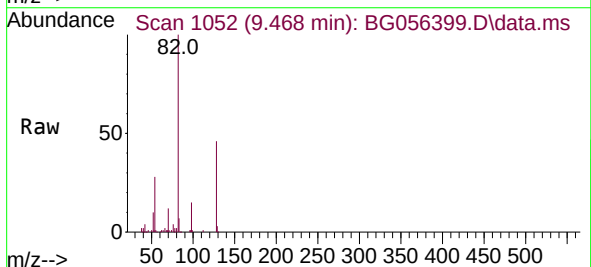
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

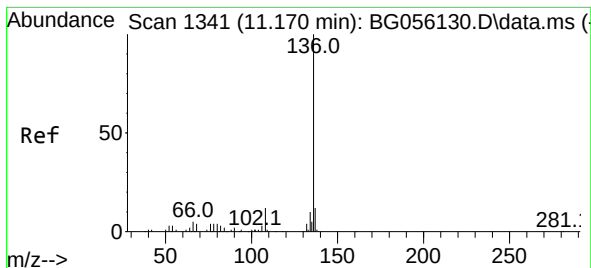
Tgt Ion: 99 Resp: 334621
Ion Ratio Lower Upper
99 100
42 7.2 5.9 8.9
71 27.7 25.4 38.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.514 ng
RT: 9.468 min Scan# 1052
Delta R.T. 0.370 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Tgt Ion: 70 Resp: 21554
Ion Ratio Lower Upper
70 100
42 31.0 18.2 27.2#
101 0.0 8.3 12.5#
130 2.9 18.2 27.4#

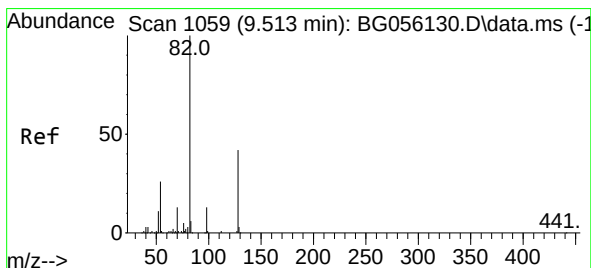
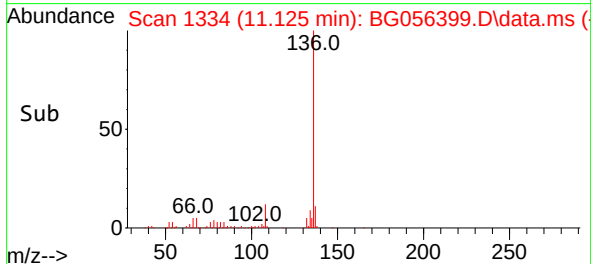
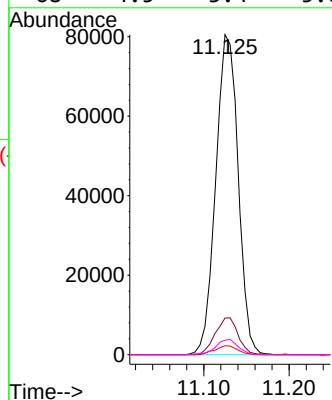
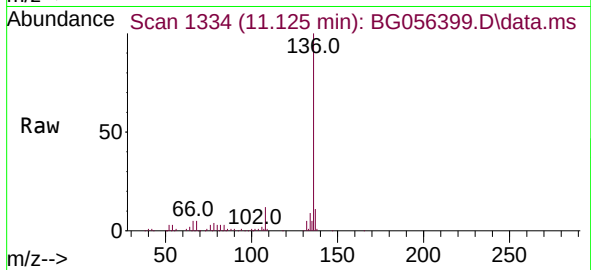




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.125 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

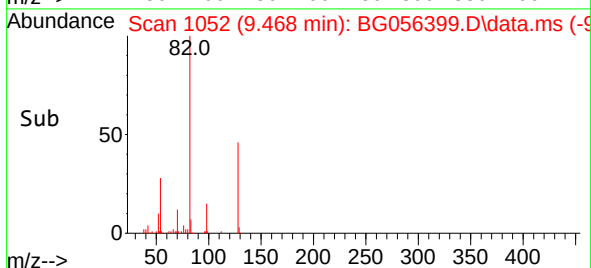
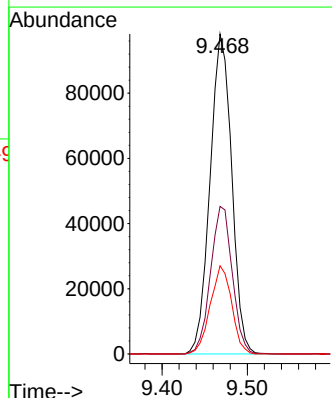
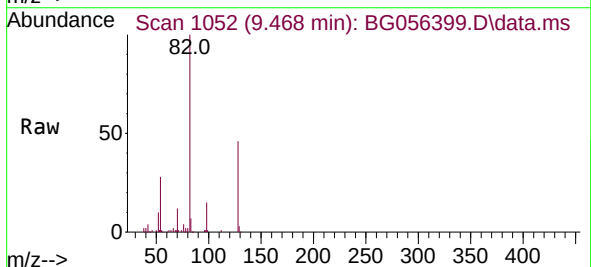
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

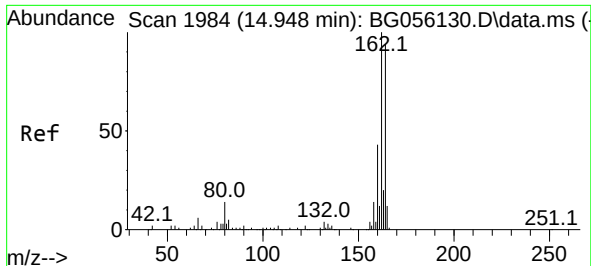
Tgt Ion:	136	Resp:	147113
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	2.8	2.2	3.2
68	4.5	3.4	5.0



#23
Nitrobenzene-d5
Concen: 60.122 ng
RT: 9.468 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Tgt Ion:	82	Resp:	172911
Ion	Ratio	Lower	Upper
82	100		
128	46.1	33.4	50.2
54	27.5	20.3	30.5

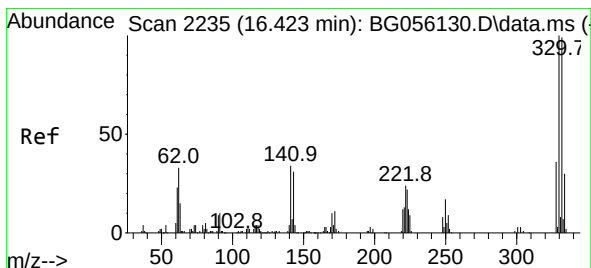
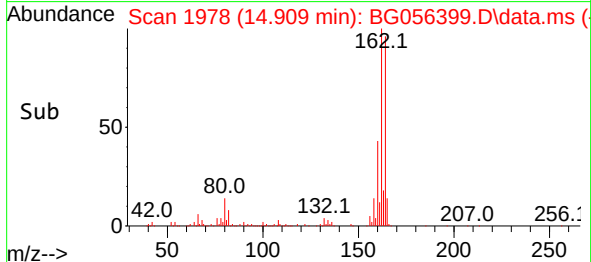
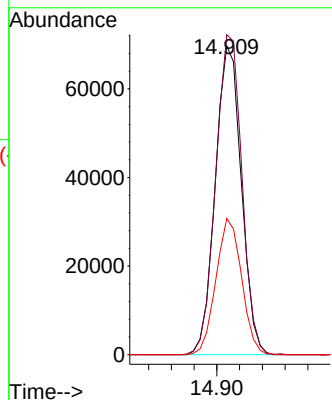
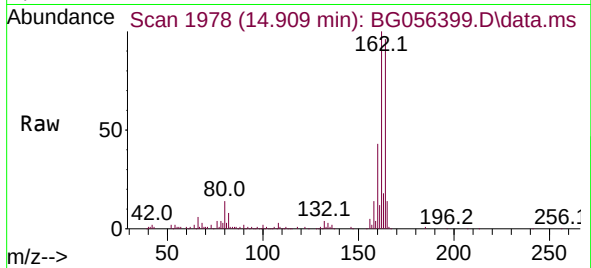




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.909 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

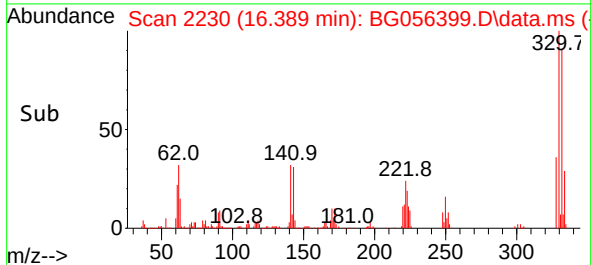
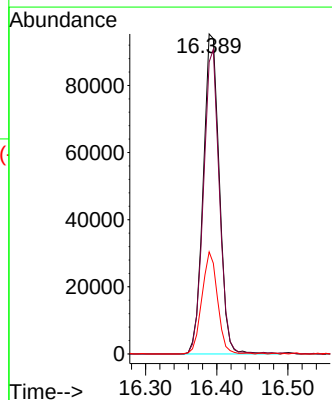
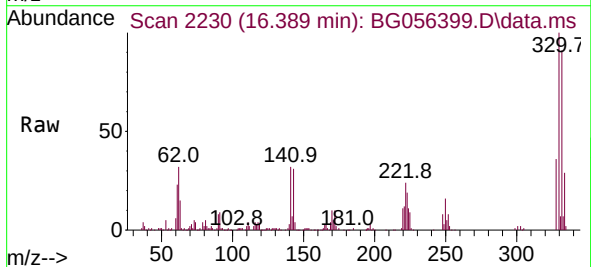
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

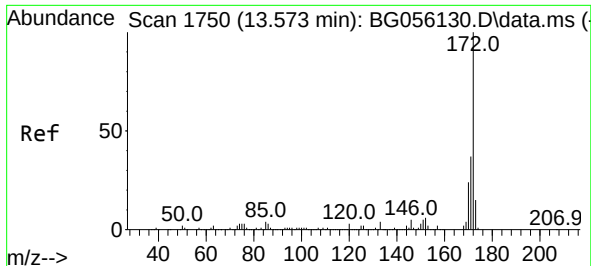
Tgt Ion:164 Resp: 110794
Ion Ratio Lower Upper
164 100
162 103.6 84.7 127.1
160 44.1 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 106.972 ng
RT: 16.389 min Scan# 2230
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Tgt Ion:330 Resp: 150102
Ion Ratio Lower Upper
330 100
332 93.8 77.3 115.9
141 31.0 27.9 41.9

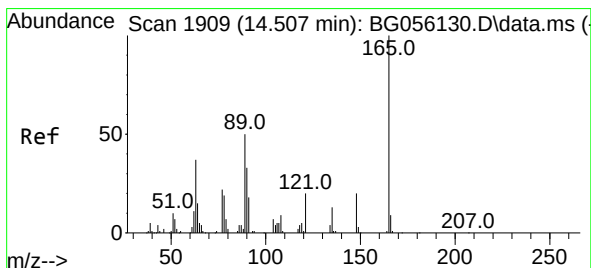
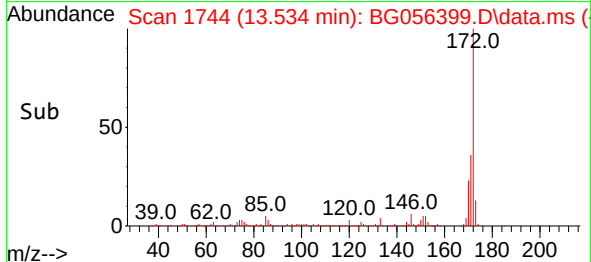
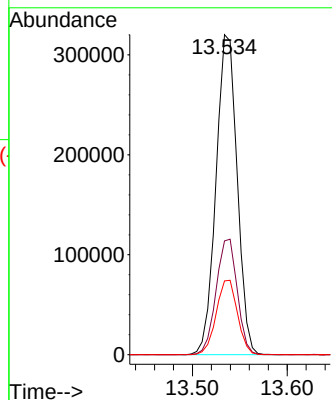
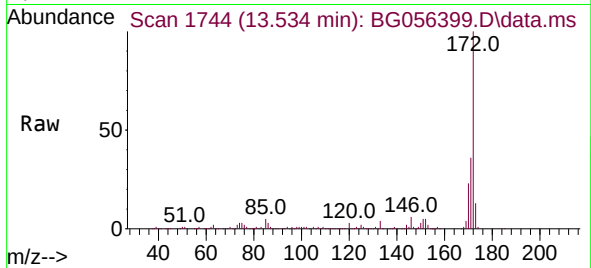




#45
2-Fluorobiphenyl
Concen: 61.900 ng
RT: 13.534 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

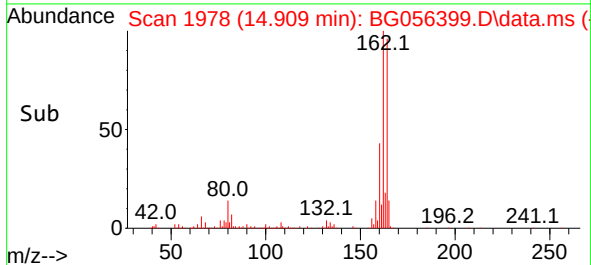
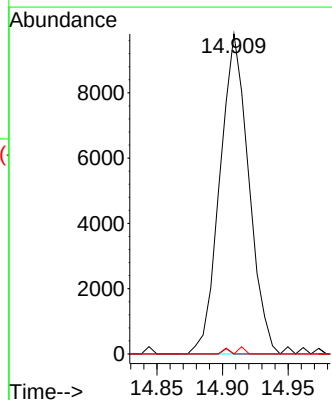
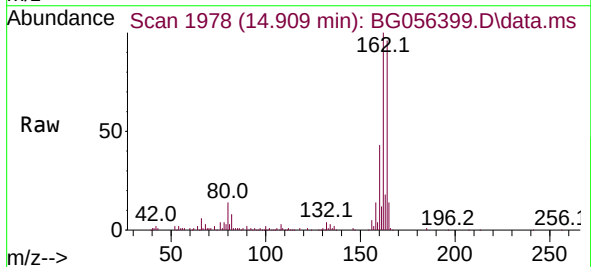
Instrument :
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ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

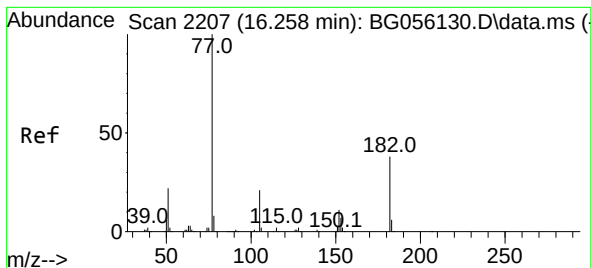
Tgt Ion:172 Resp: 496647
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.0 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.854 ng
RT: 14.909 min Scan# 1978
Delta R.T. 0.429 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Tgt Ion:165 Resp: 14968
Ion Ratio Lower Upper
165 100
63 0.0 32.2 48.2#
89 0.0 39.8 59.8#





#63

Azobenzene

Concen: 7.783 ng

RT: 16.248 min Scan# 21

Delta R.T. 0.017 min

Lab File: BG056399.D

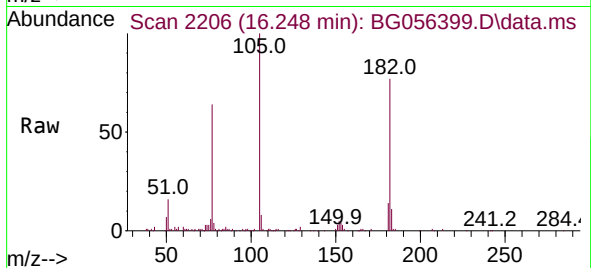
Acq: 24 Jan 2023 12:06

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-STMWTR-DENALI-2



Tgt Ion: 77 Resp: 50376

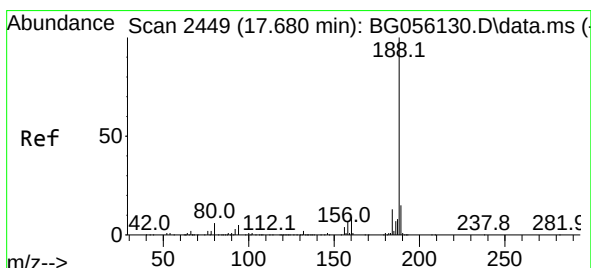
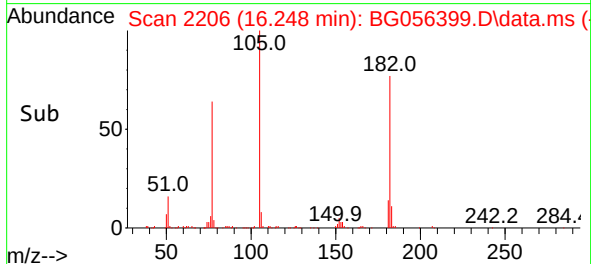
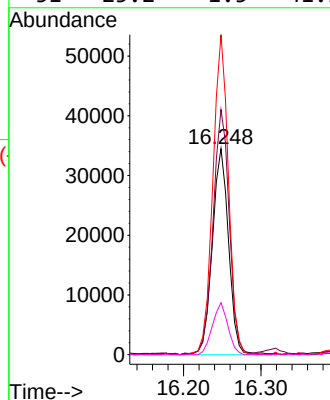
Ion Ratio Lower Upper

77 100

182 119.0 18.5 58.5#

105 155.3 1.4 41.4#

51 25.2 1.5 41.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.647 min Scan# 2444

Delta R.T. -0.006 min

Lab File: BG056399.D

Acq: 24 Jan 2023 12:06

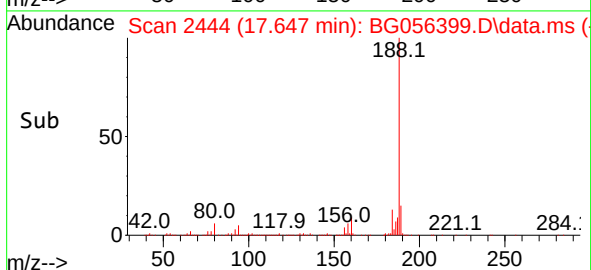
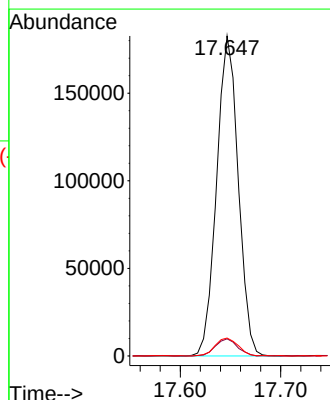
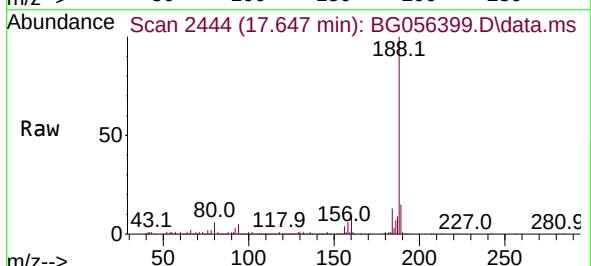
Tgt Ion: 188 Resp: 272554

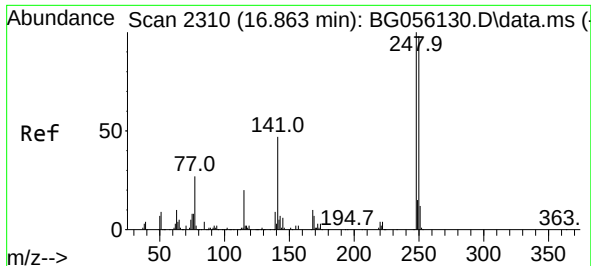
Ion Ratio Lower Upper

188 100

94 5.3 4.2 6.2

80 5.6 5.0 7.4

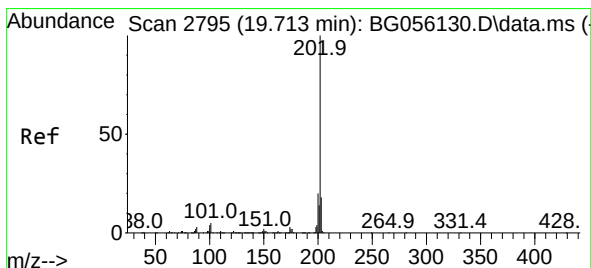
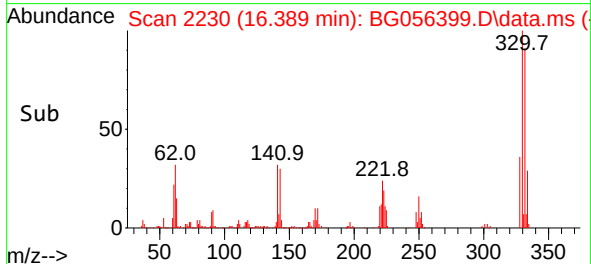
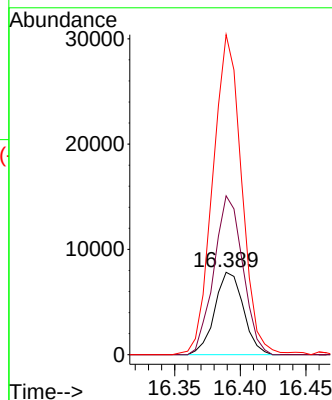
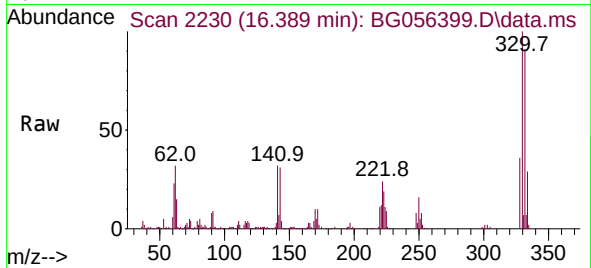




#67
4-Bromophenyl-phenylether
Concen: 3.426 ng
RT: 16.389 min Scan# 211
Delta R.T. -0.441 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

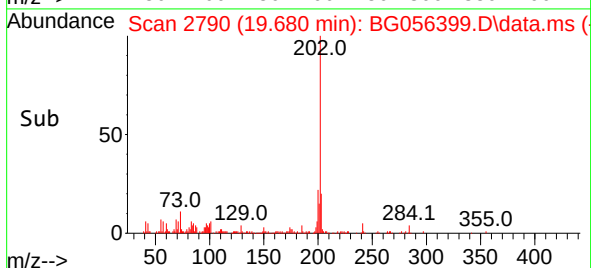
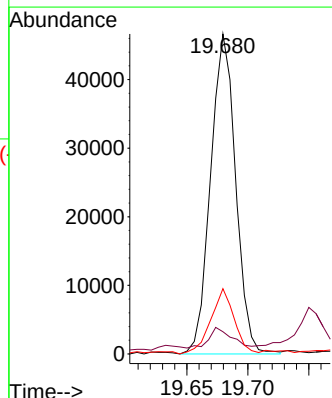
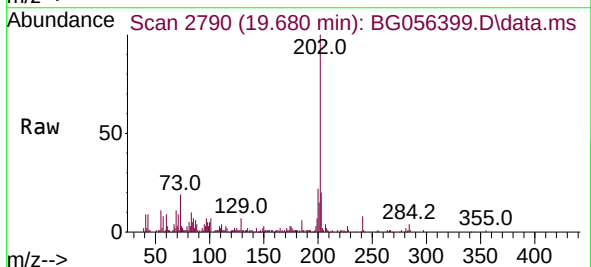
Instrument :
BNA_G
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TOPSOIL-STMWTR-DENALI-2

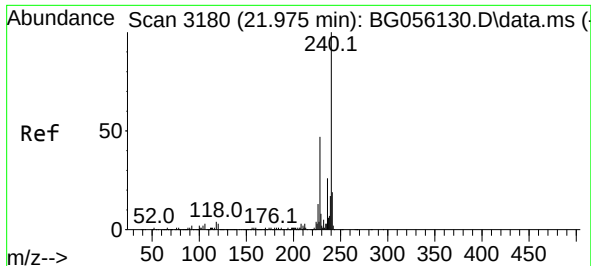
Tgt Ion:248 Resp: 11892
Ion Ratio Lower Upper
248 100
250 192.9 78.2 117.4#
141 388.5 37.6 56.4#



#75
Fluoranthene
Concen: 3.623 ng
RT: 19.680 min Scan# 2790
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Tgt Ion:202 Resp: 66757
Ion Ratio Lower Upper
202 100
101 7.0 0.0 25.0
203 20.4 0.0 38.0

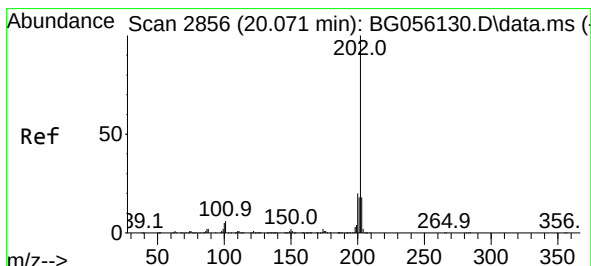
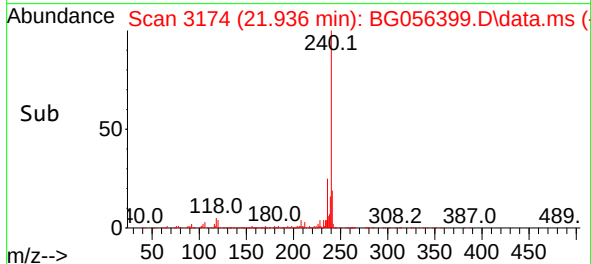
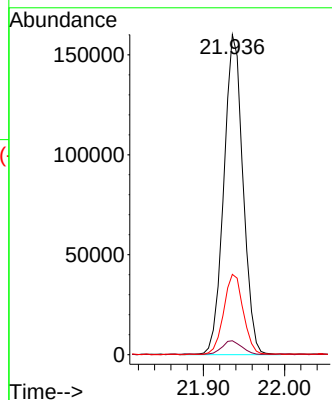
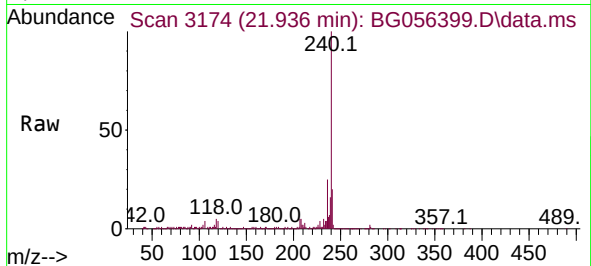




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.936 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

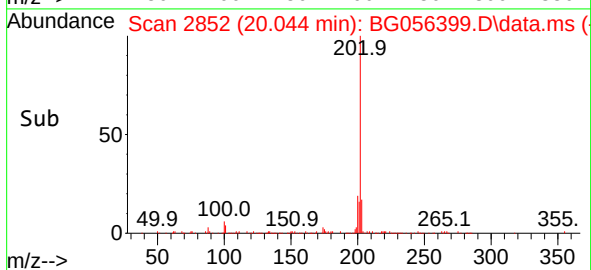
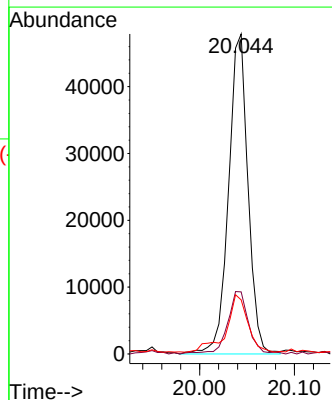
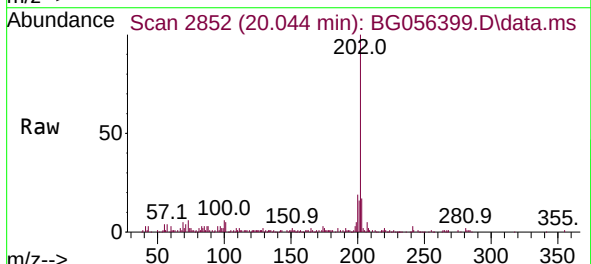
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

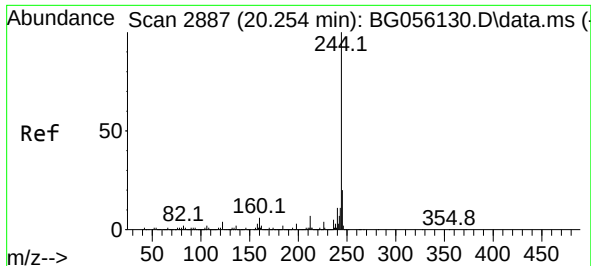
Tgt Ion:240 Resp: 262944
Ion Ratio Lower Upper
240 100
120 4.3 2.6 4.0#
236 25.1 20.8 31.2



#78
Pyrene
Concen: 3.683 ng
RT: 20.044 min Scan# 2852
Delta R.T. -0.000 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Tgt Ion:202 Resp: 68251
Ion Ratio Lower Upper
202 100
200 19.4 16.4 24.6
203 16.9 14.3 21.5

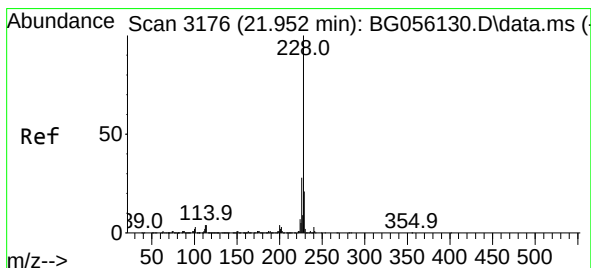
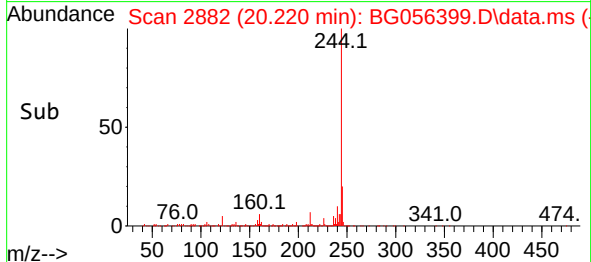
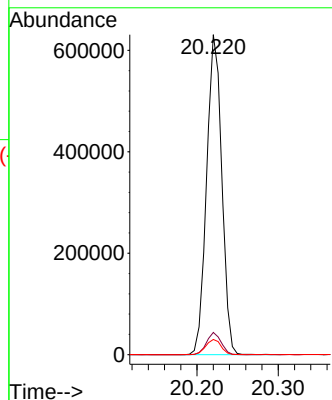
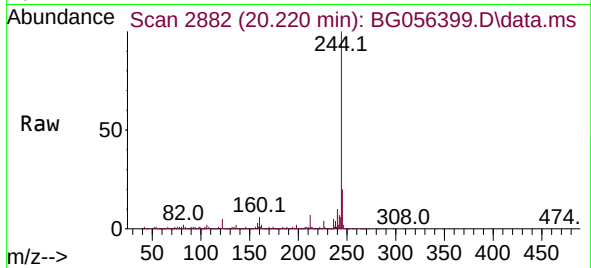




#79
 Terphenyl-d14
 Concen: 55.548 ng
 RT: 20.220 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG056399.D
 Acq: 24 Jan 2023 12:06

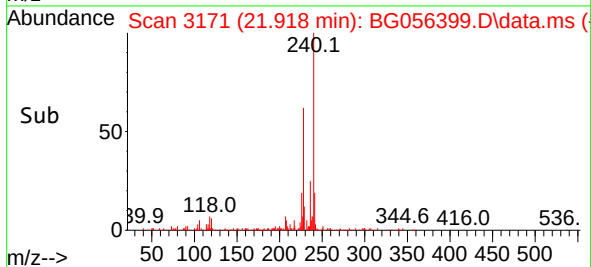
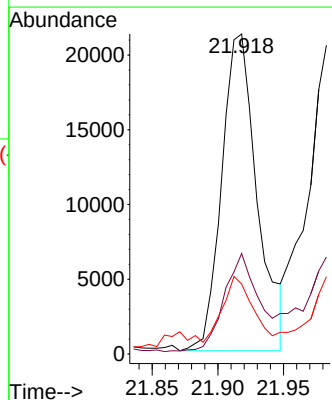
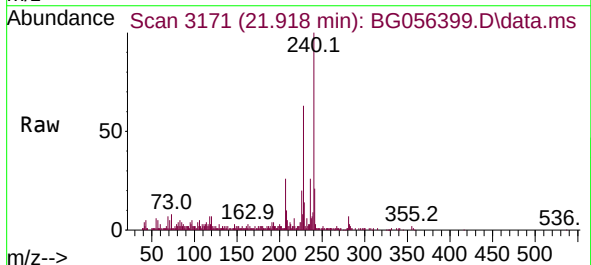
Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-STMWTR-DENALI-2

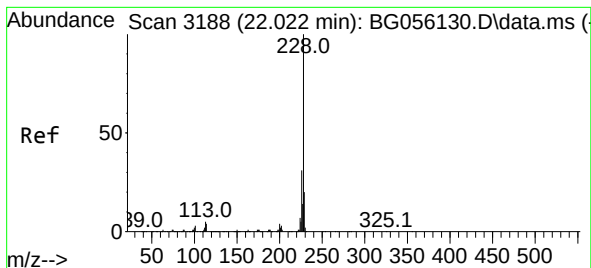
Tgt Ion:244 Resp: 815500
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 4.7 3.5 5.3



#81
 Benzo(a)anthracene
 Concen: 2.159 ng
 RT: 21.918 min Scan# 3171
 Delta R.T. -0.006 min
 Lab File: BG056399.D
 Acq: 24 Jan 2023 12:06

Tgt Ion:228 Resp: 39877
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.6 34.0
 229 21.9 16.9 25.3





#83

Chrysene

Concen: 2.305 ng

RT: 21.918 min Scan# 3188

Delta R.T. -0.077 min

Lab File: BG056399.D

Acq: 24 Jan 2023 12:06

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-STMWTR-DENALI-2

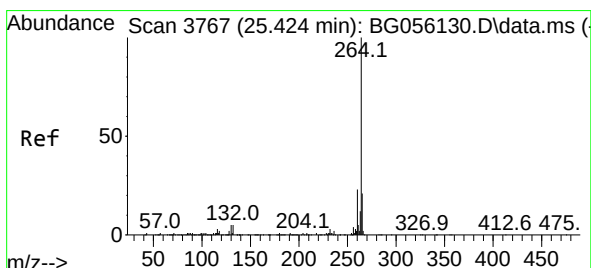
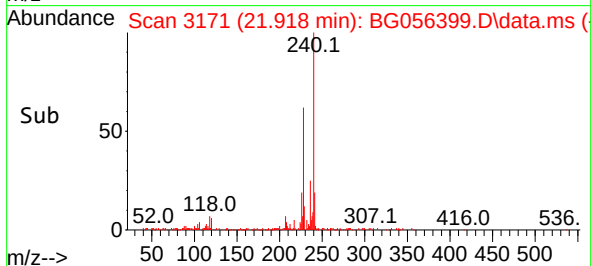
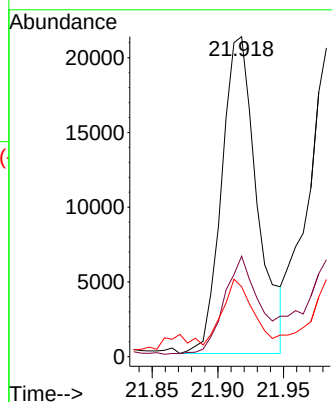
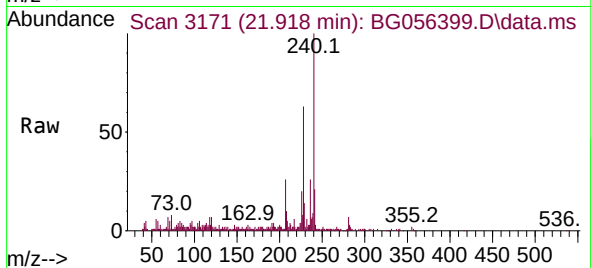
Tgt Ion:228 Resp: 39877

Ion Ratio Lower Upper

228 100

226 31.4 24.6 36.8

229 21.9 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.373 min Scan# 3759

Delta R.T. -0.000 min

Lab File: BG056399.D

Acq: 24 Jan 2023 12:06

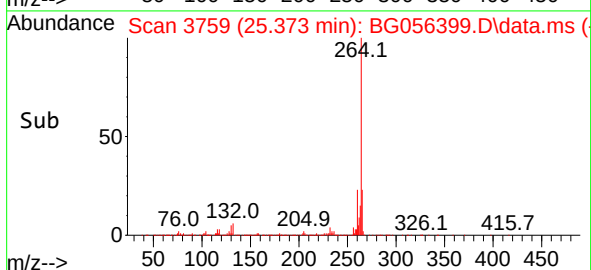
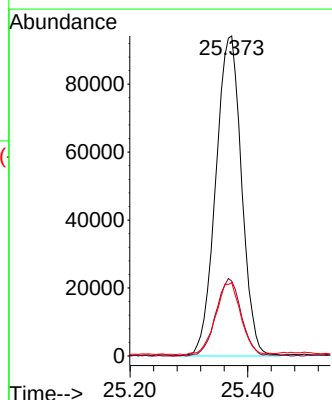
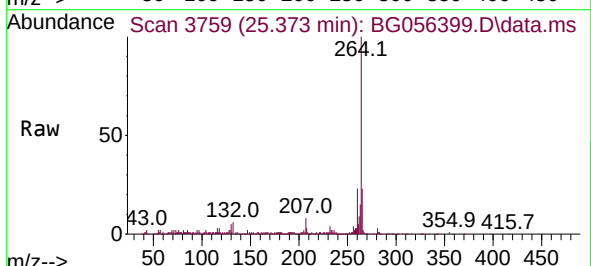
Tgt Ion:264 Resp: 286197

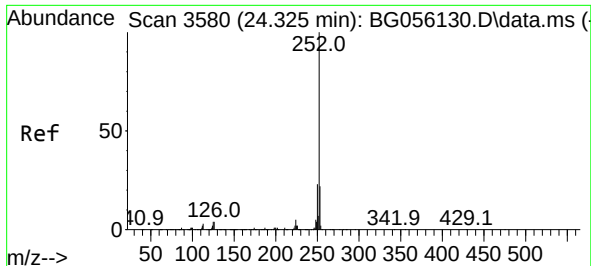
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.9 16.7 25.1

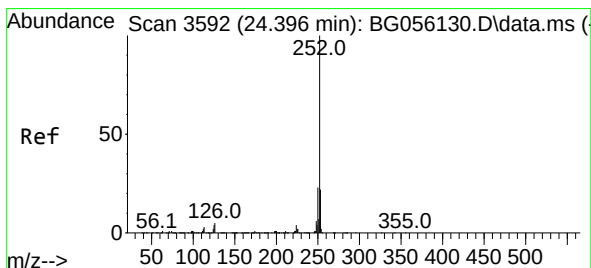
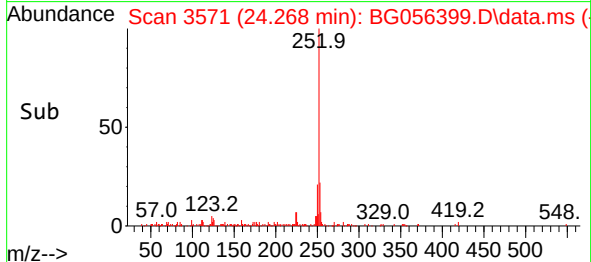
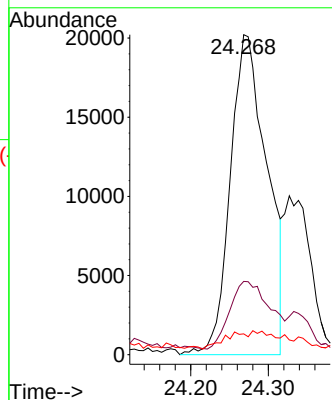
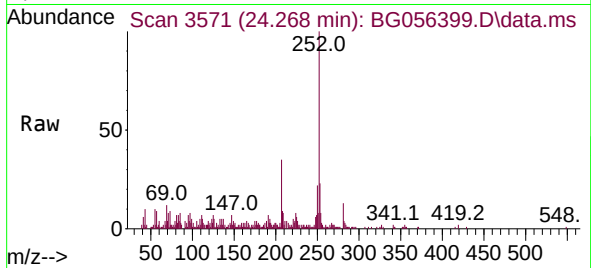




#88
Benzo(b)fluoranthene
Concen: 3.653 ng
RT: 24.268 min Scan# 3571
Delta R.T. -0.012 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

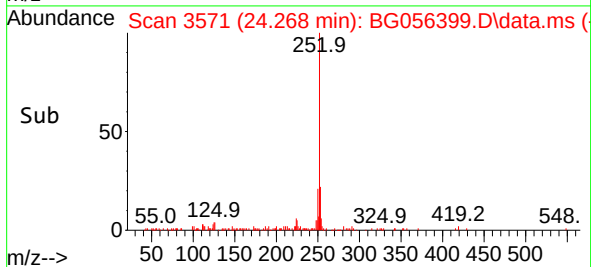
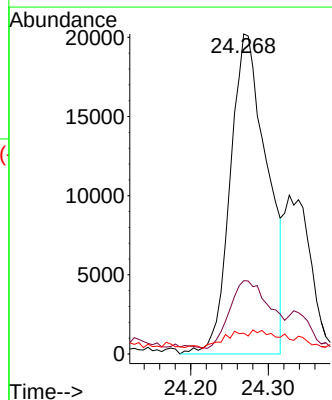
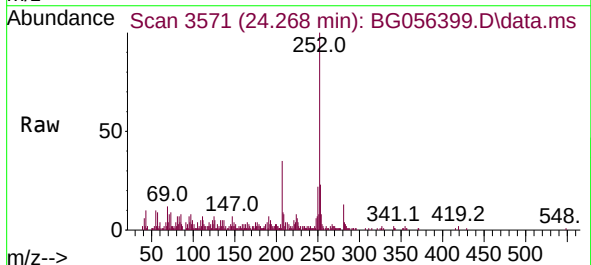
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

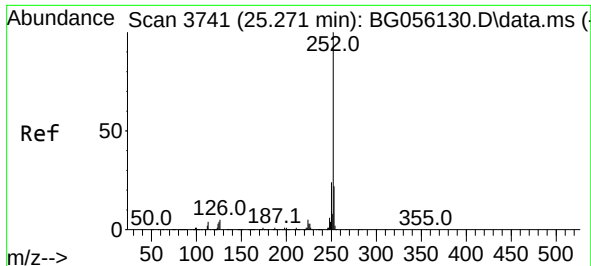
Tgt Ion:252 Resp: 66422
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 6.5 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 3.668 ng
RT: 24.268 min Scan# 3571
Delta R.T. -0.083 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Tgt Ion:252 Resp: 66422
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 6.5 3.4 5.0#

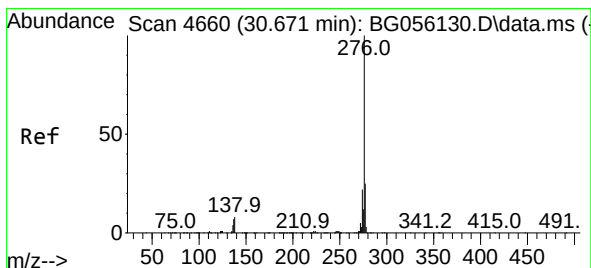
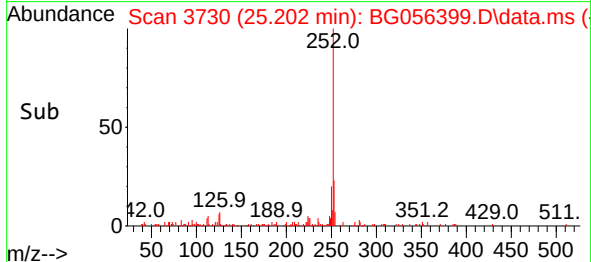
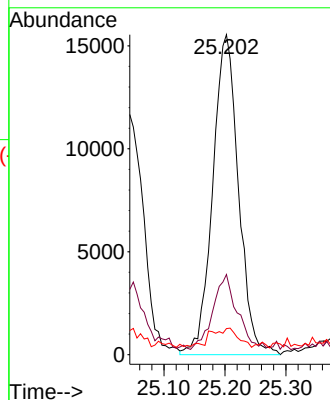
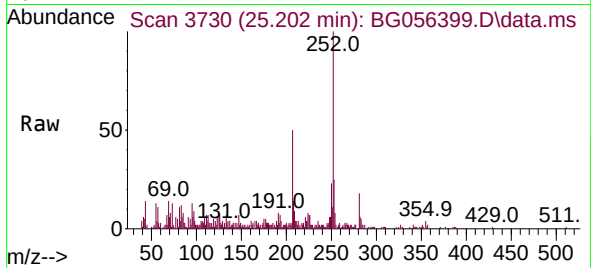




#90
Benzo(a)pyrene
Concen: 2.575 ng
RT: 25.202 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

Tgt Ion:252 Resp: 45661
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 8.2 3.2 4.8#



#92
Benzo(g,h,i)perylene
Concen: 2.057 ng
RT: 30.543 min Scan# 4639
Delta R.T. -0.030 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

Tgt Ion:276 Resp: 34814
Ion Ratio Lower Upper
276 100
277 28.2 19.7 29.5
138 12.0 6.7 10.1#

