

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

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/25/2023
 Supervised By :Jagrut Upadhyay 01/25/2023

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
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	21.983	228	41399m	2.393	ng	
88) Benzo(b)fluoranthene	24.268	252	66422	3.653	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

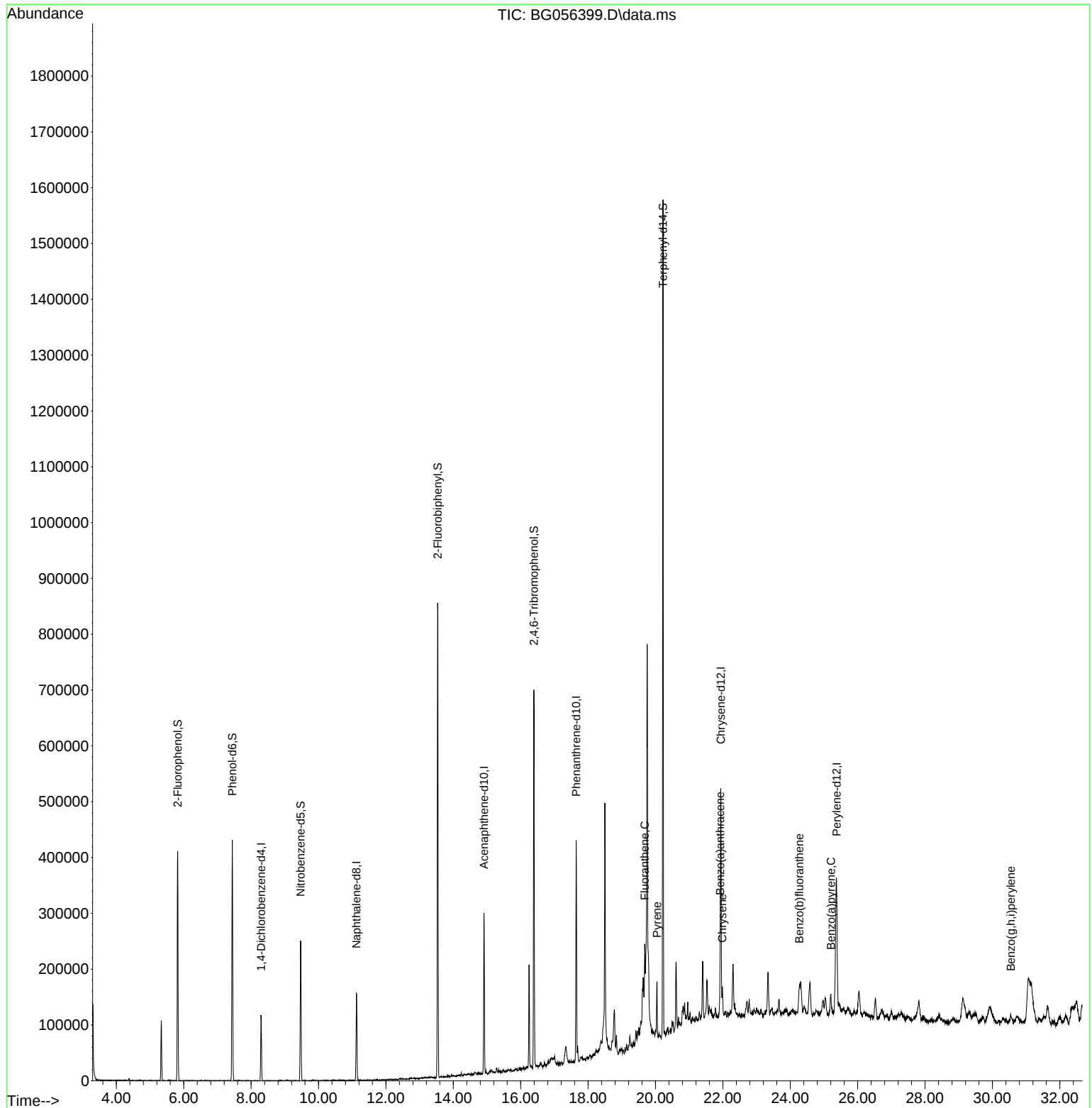
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056399.D
Acq On : 24 Jan 2023 12:06
Operator : CG/JU
Sample : 01152-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

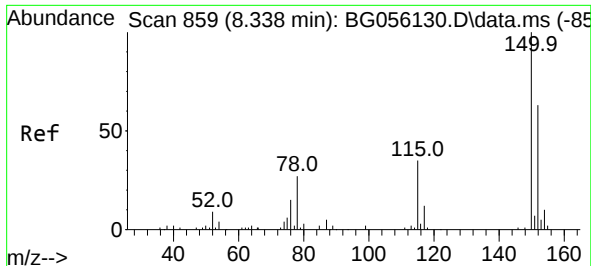
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2

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

Manual Integrations
APPROVED

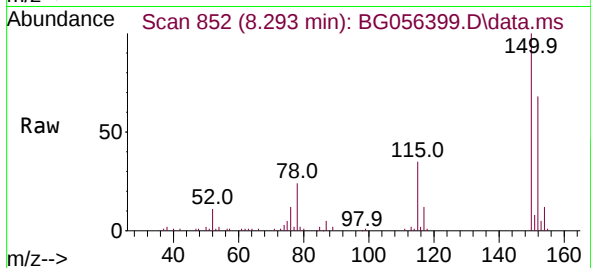
Reviewed By : Christian Giraldo 01/25/2023
Supervised By : Jagrut Upadhyay 01/25/2023





#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

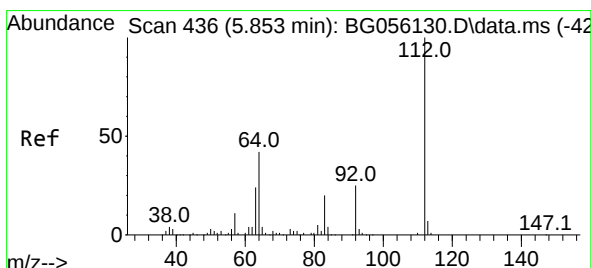
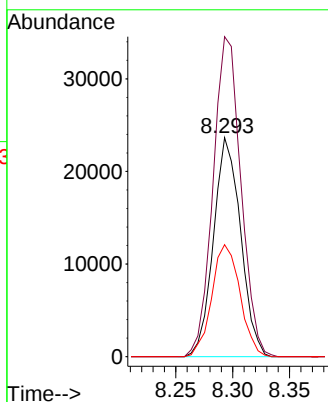
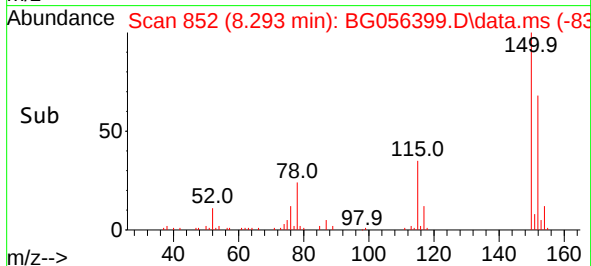
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2



Tgt Ion:152 Resp: 3919
Ion Ratio Lower Upper
152 100
150 146.2 127.9 191.9
115 51.1 44.2 66.2

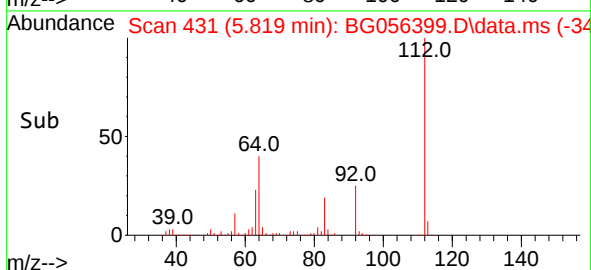
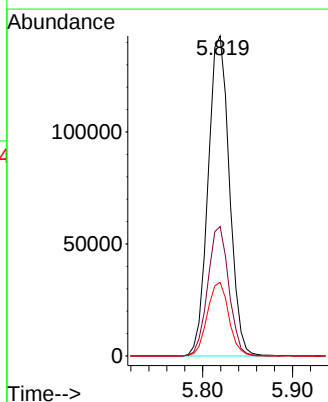
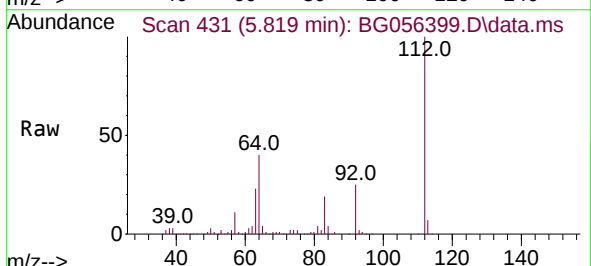
Manual Integrations
APPROVED

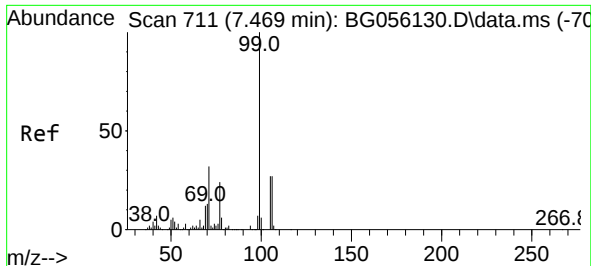
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#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

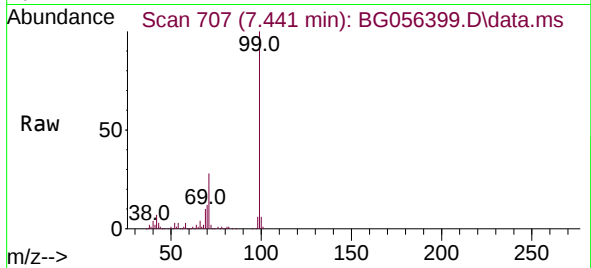
Tgt Ion:112 Resp: 235645
Ion Ratio Lower Upper
112 100
64 40.5 33.3 49.9
63 23.0 19.0 28.4





#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

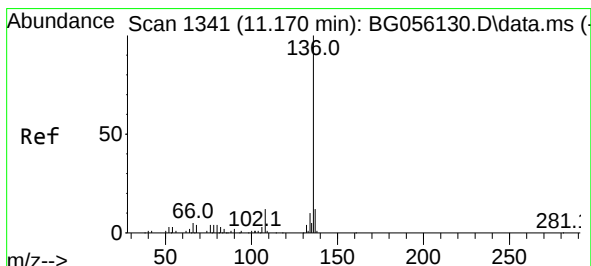
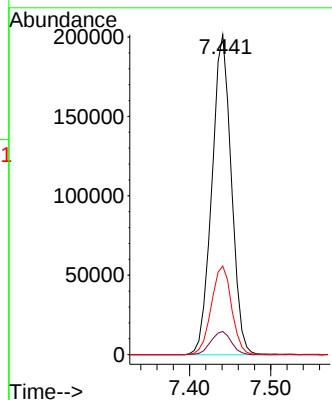
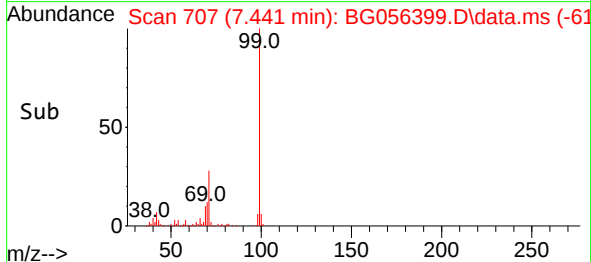
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2



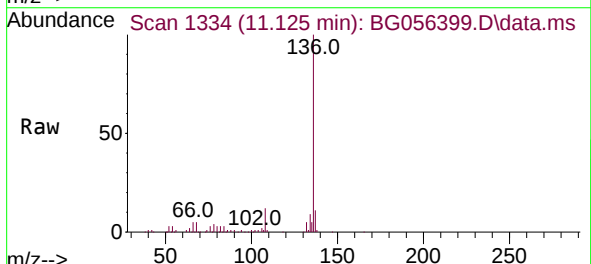
Tgt Ion: 99 Resp: 33462
Ion Ratio Lower Upper
99 100
42 7.2 5.9 8.9
71 27.7 25.4 38.2

Manual Integrations
APPROVED

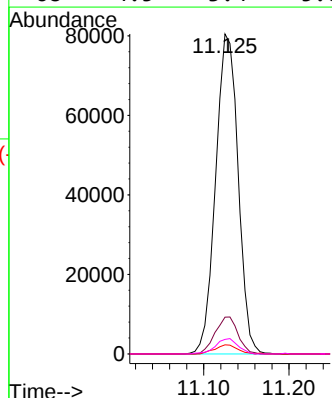
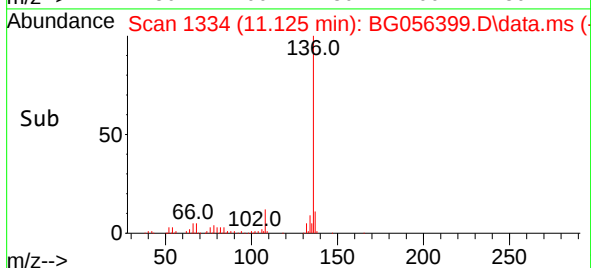
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

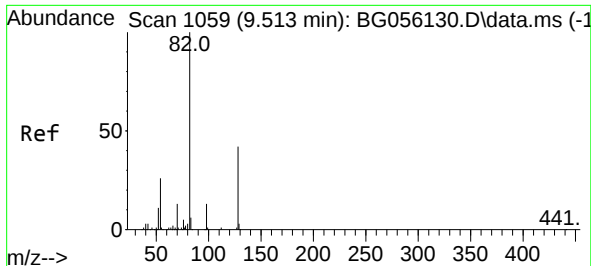


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.125 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06



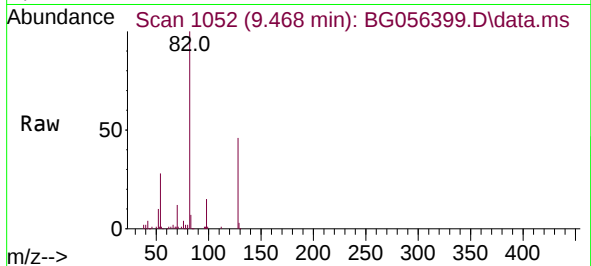
Tgt Ion:136 Resp: 147113
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.8 2.2 3.2
68 4.5 3.4 5.0





#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

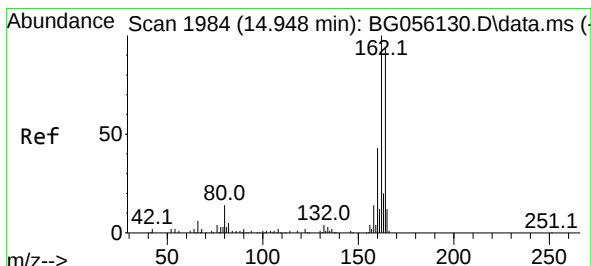
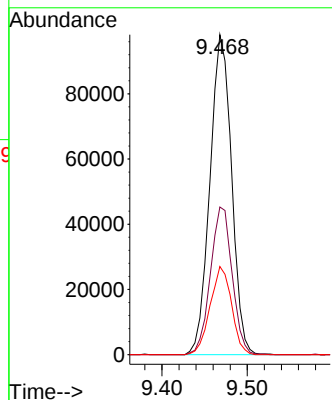
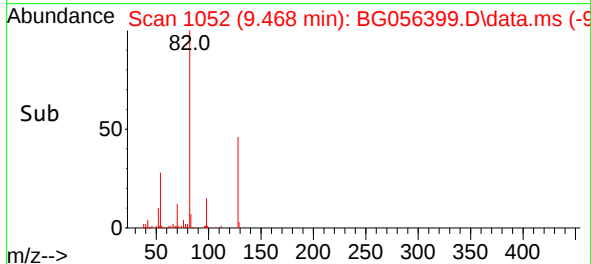
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2



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

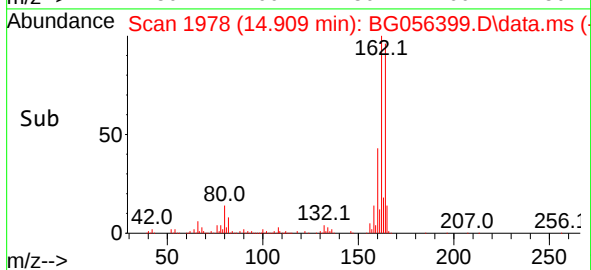
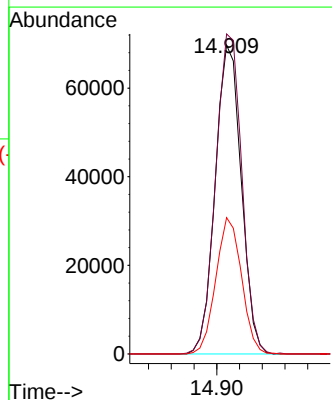
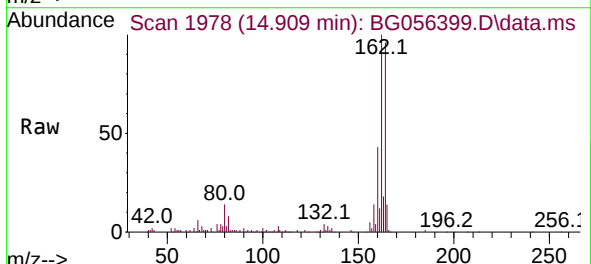
Manual Integrations
APPROVED

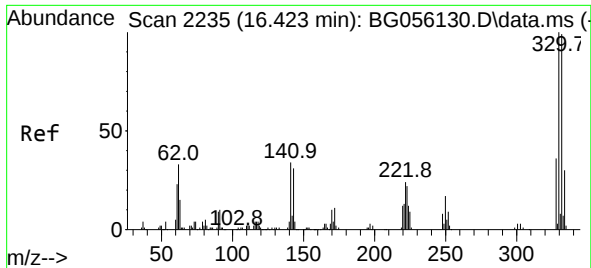
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.909 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

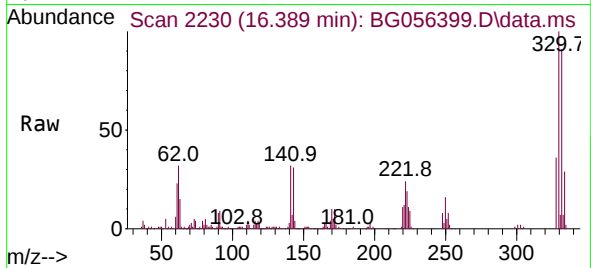
Tgt Ion:164 Resp: 110794
Ion Ratio Lower Upper
164 100
162 103.6 84.7 127.1
160 44.1 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 106.972 ng
RT: 16.389 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

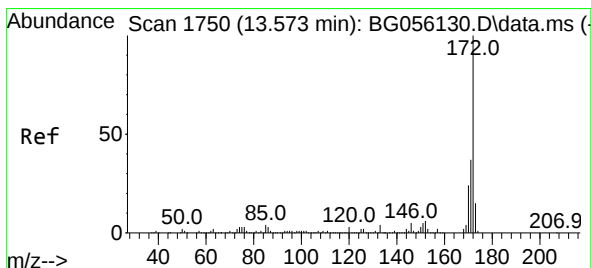
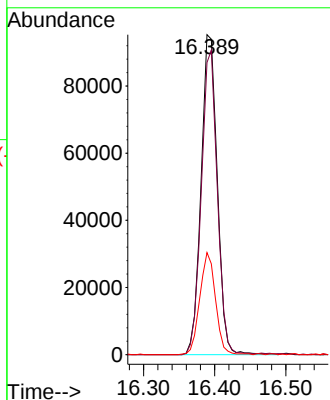
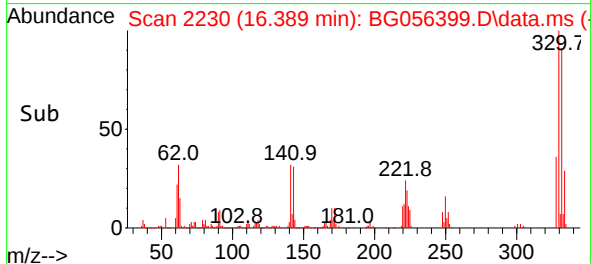
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2



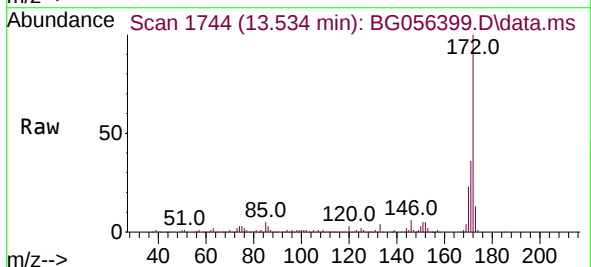
Tgt Ion:330 Resp: 150102
Ion Ratio Lower Upper
330 100
332 93.8 77.3 115.9
141 31.0 27.9 41.9

Manual Integrations
APPROVED

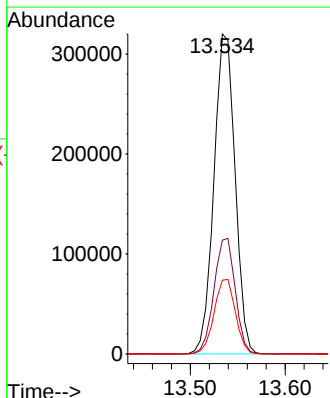
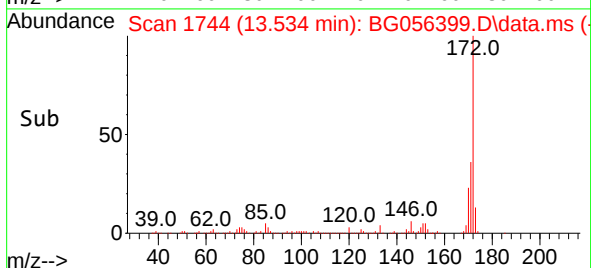
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

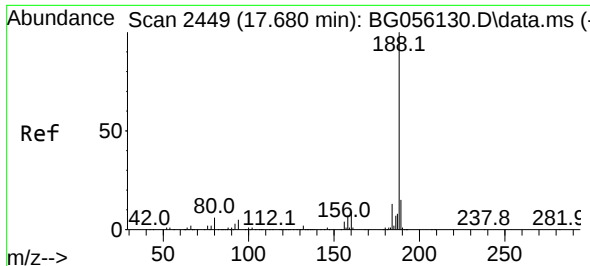


#45
2-Fluorobiphenyl
Concen: 61.900 ng
RT: 13.534 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06



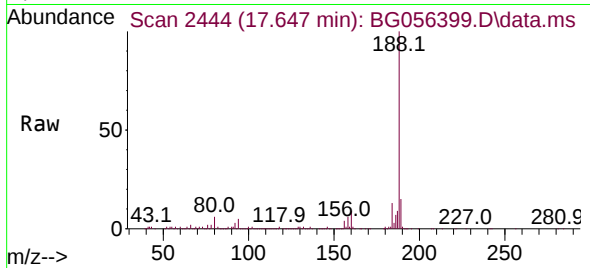
Tgt Ion:172 Resp: 496647
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.0 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.647 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

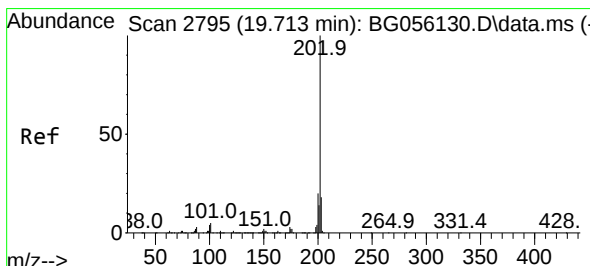
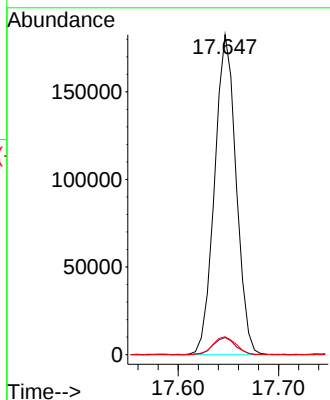
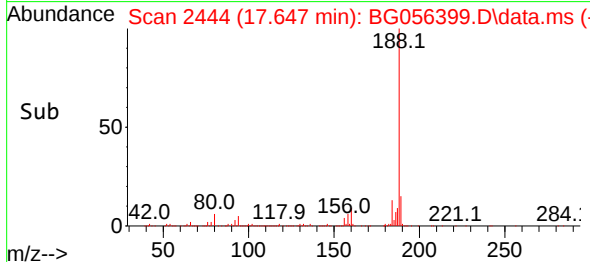
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2



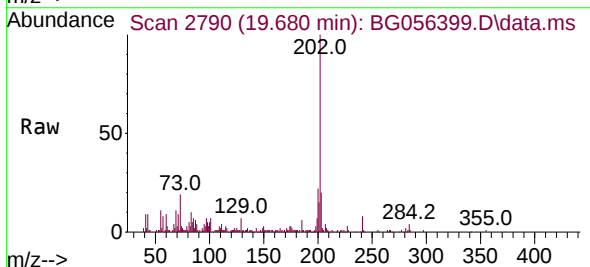
Tgt Ion:188 Resp: 272554
Ion Ratio Lower Upper
188 100
94 5.3 4.2 6.2
80 5.6 5.0 7.4

Manual Integrations
APPROVED

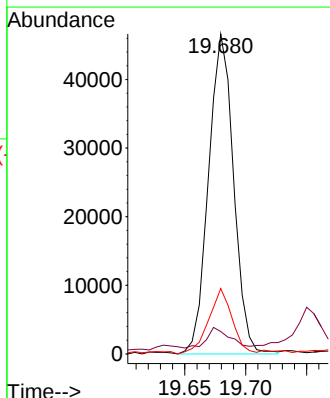
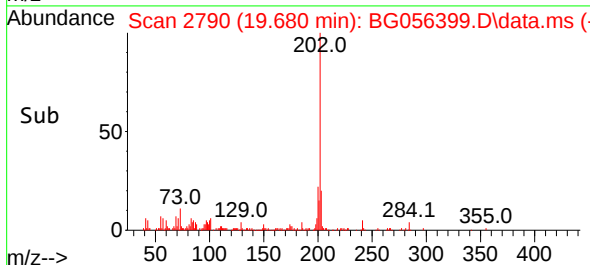
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

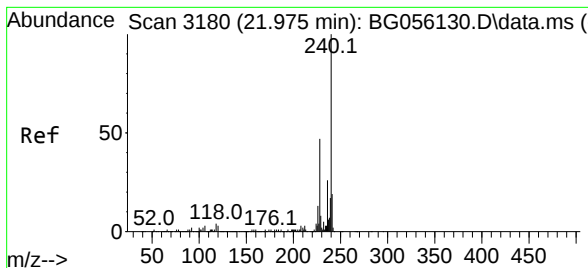


#75
Fluoranthene
Concen: 3.623 ng
RT: 19.680 min Scan# 2790
Delta R.T. -0.006 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06



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# 31

Delta R.T. -0.006 min

Lab File: BG056399.D

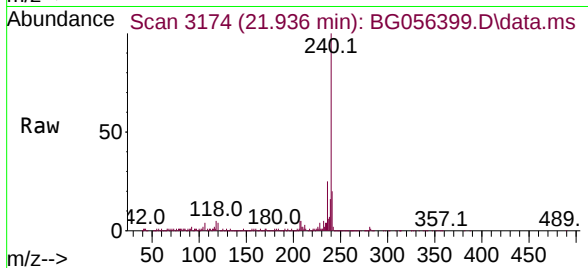
Acq: 24 Jan 2023 12:06

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

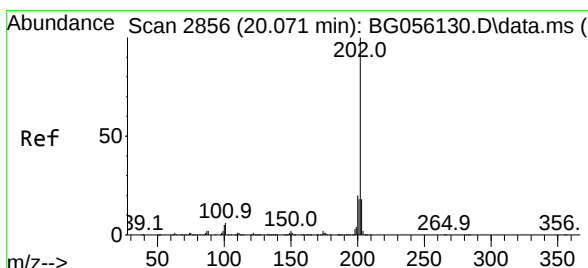
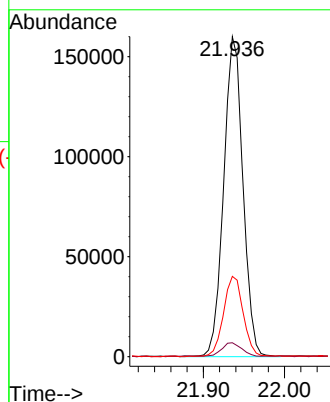
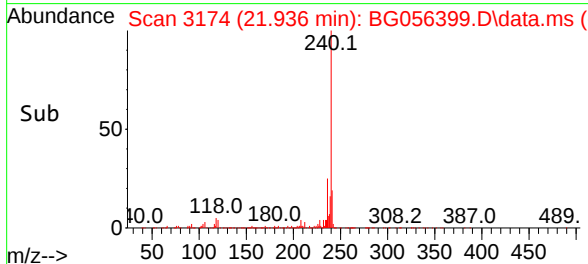
236 25.1 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/25/2023

Supervised By :Jagrut Upadhyay 01/25/2023



#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

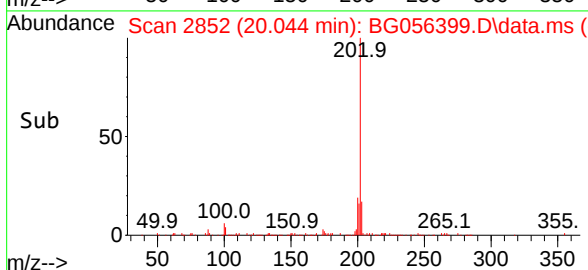
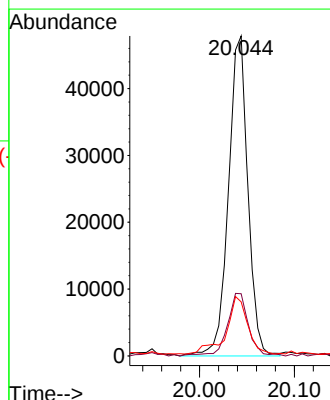
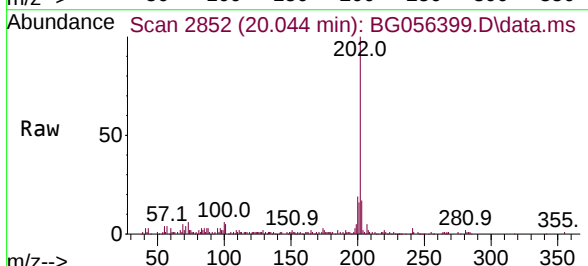
Tgt Ion:202 Resp: 68251

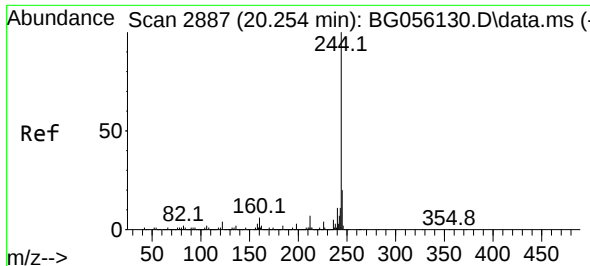
Ion Ratio Lower Upper

202 100

200 19.4 16.4 24.6

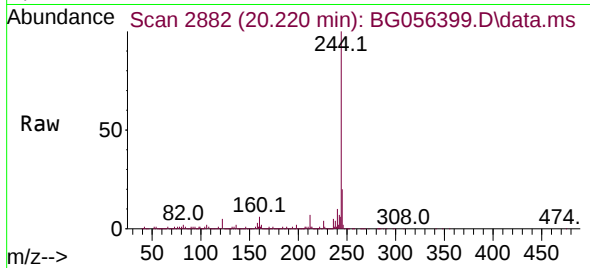
203 16.9 14.3 21.5





#79
 Terphenyl-d14
 Concen: 55.548 ng
 RT: 20.220 min Scan# 2887
 Delta R.T. -0.006 min
 Lab File: BG056399.D
 Acq: 24 Jan 2023 12:06

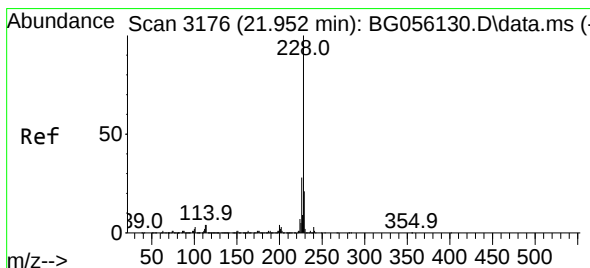
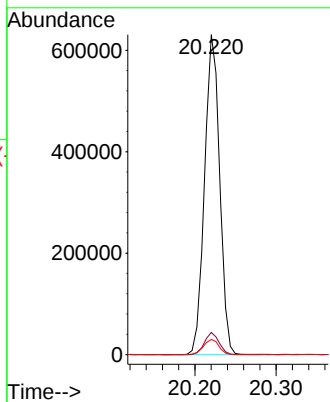
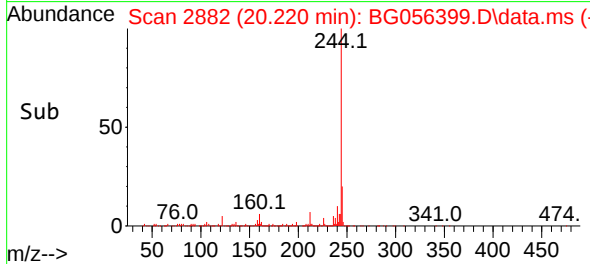
Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-STMWTR-DENALI-2



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

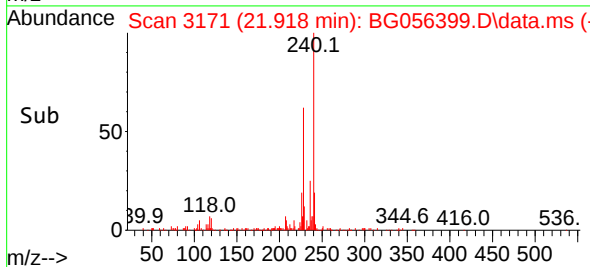
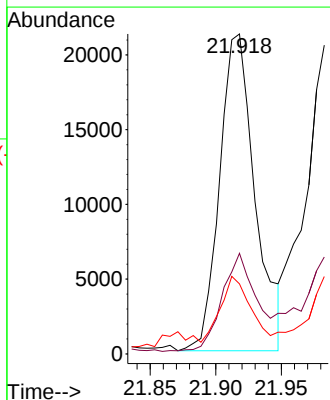
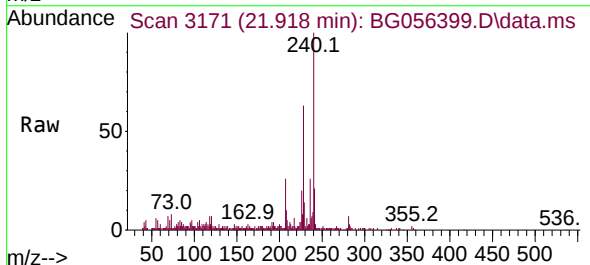
Manual Integrations
 APPROVED

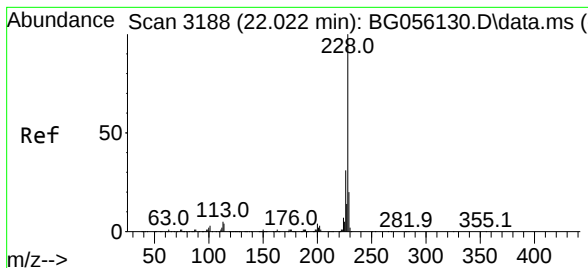
Reviewed By :Christian Giraldo 01/25/2023
 Supervised By :Jagrut Upadhyay 01/25/2023



#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: 2.393 ng m

RT: 21.983 min Scan# 3188

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:228 Resp: 41399

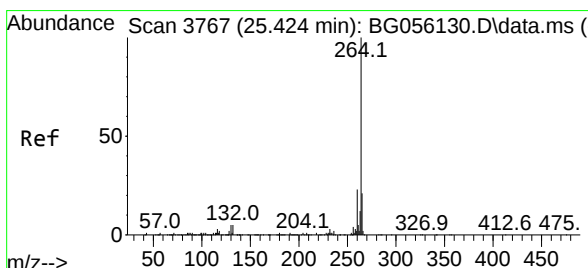
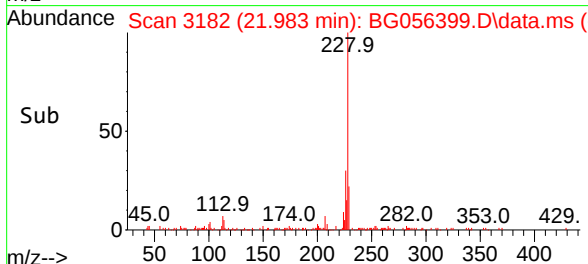
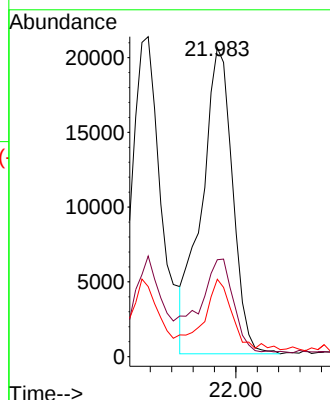
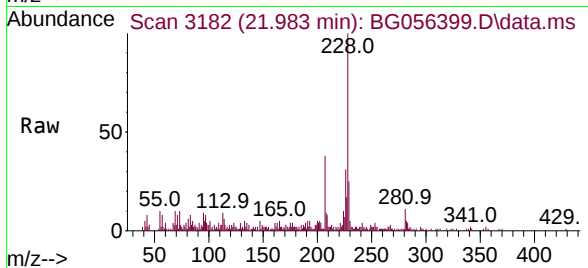
Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.6	36.8
229	25.0	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/25/2023

Supervised By :Jagrut Upadhyay 01/25/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.373 min Scan# 3759

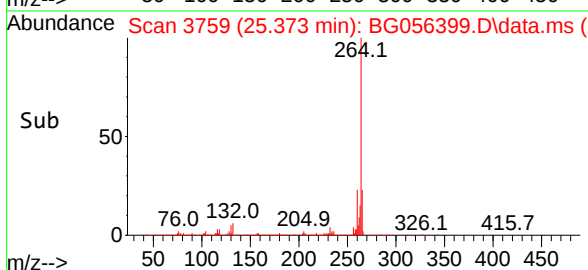
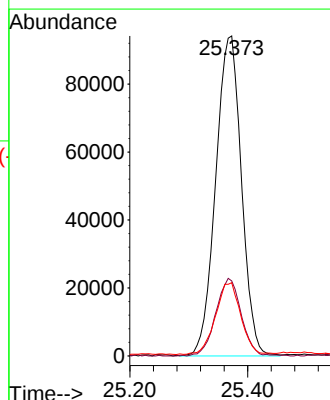
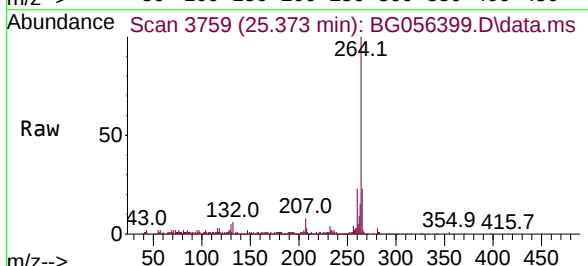
Delta R.T. -0.000 min

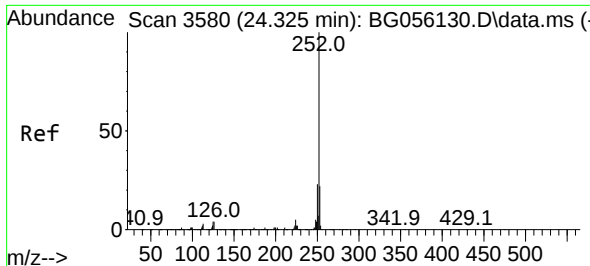
Lab File: BG056399.D

Acq: 24 Jan 2023 12:06

Tgt Ion:264 Resp: 286197

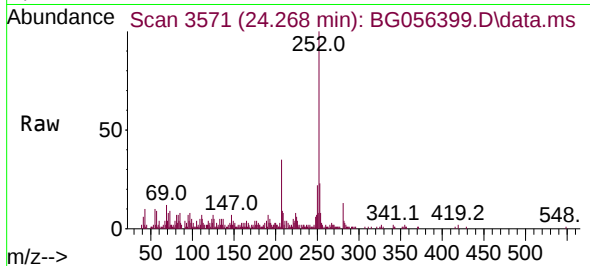
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	22.9	16.7	25.1





#88
Benzo(b)fluoranthene
Concen: 3.653 ng
RT: 24.268 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

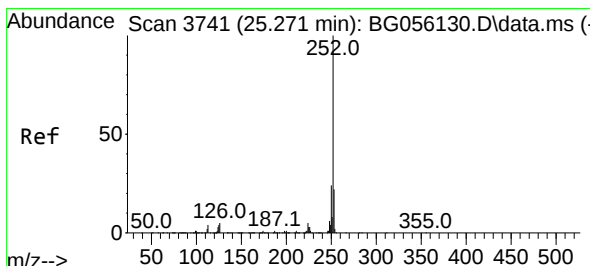
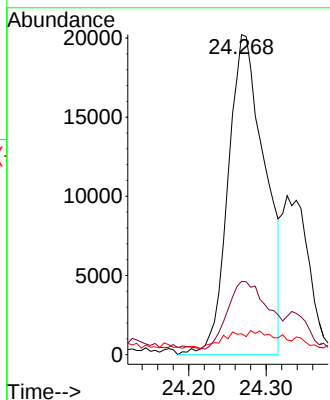
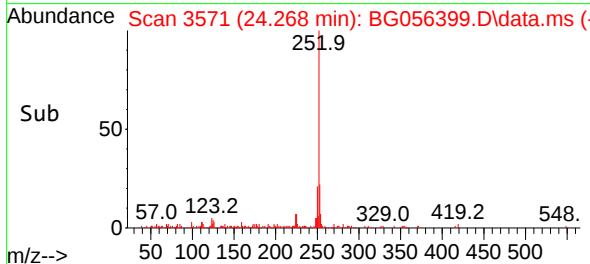
Instrument :
BNA_G
ClientSampleId :
TOPSOIL-STMWTR-DENALI-2



Tgt Ion:252 Resp: 6642
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 6.5 3.0 4.4

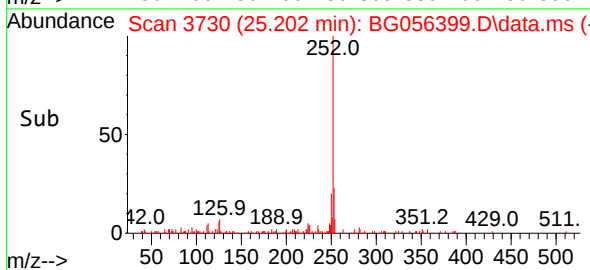
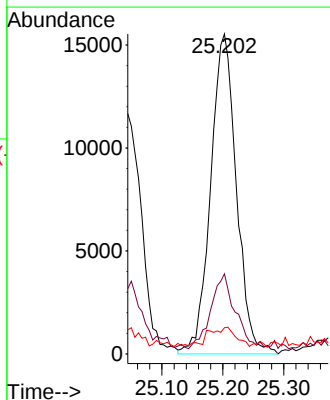
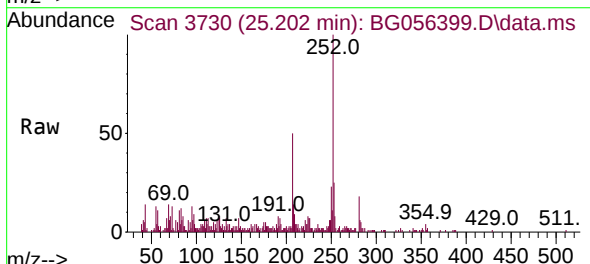
Manual Integrations
APPROVED

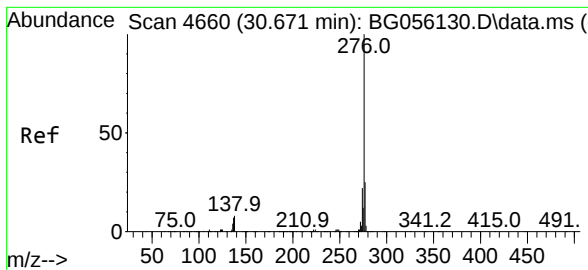
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#90
Benzo(a)pyrene
Concen: 2.575 ng
RT: 25.202 min Scan# 3730
Delta R.T. -0.012 min
Lab File: BG056399.D
Acq: 24 Jan 2023 12:06

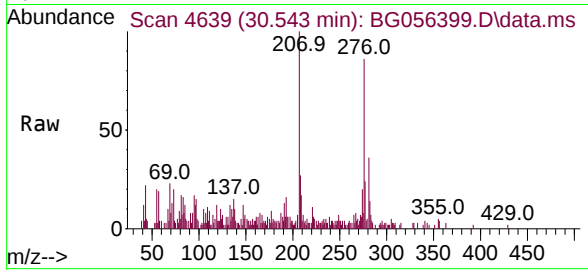
Tgt Ion:252 Resp: 45661
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 8.2 3.2 4.8





#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

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



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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/25/2023
 Supervised By : Jagrut Upadhyay 01/25/2023

