

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
 Data File : BG056599.D
 Acq On : 9 Feb 2023 16:11
 Operator : CG/JU
 Sample : 01483-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/10/2023
 Supervised By : Jagrut Upadhyay 02/10/2023

Quant Time: Feb 10 00:15:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.262	152	36605	20.000	ng	# 0.00
21) Naphthalene-d8	11.094	136	139963	20.000	ng	0.00
39) Acenaphthene-d10	14.884	164	103414	20.000	ng	0.00
64) Phenanthrene-d10	17.621	188	229156	20.000	ng	# 0.00
76) Chrysene-d12	21.911	240	217577	20.000	ng	-0.01
86) Perylene-d12	25.336	264	237257	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	103324	51.925	ng	0.00
7) Phenol-d6	7.416	99	149231	50.616	ng	0.00
23) Nitrobenzene-d5	9.437	82	90115	36.561	ng	0.00
42) 2,4,6-Tribromophenol	16.370	330	58215	42.344	ng	0.00
45) 2-Fluorobiphenyl	13.509	172	288935	38.736	ng	0.00
79) Terphenyl-d14	20.201	244	461196	37.229	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.663	178	69857	5.825	ng	99
75) Fluoranthene	19.660	202	163640	10.810	ng	99
78) Pyrene	20.019	202	131559	8.502	ng	98
81) Benzo(a)anthracene	21.893	228	71357	4.691	ng	97
83) Chrysene	21.963	228	84459m	5.910	ng	
84) Bis(2-ethylhexyl)phtha...	21.746	149	16273	2.402	ng	95
87) Indeno(1,2,3-cd)pyrene	29.278	276	54306	3.127	ng	# 89
88) Benzo(b)fluoranthene	24.237	252	111199	7.551	ng	# 98
89) Benzo(k)fluoranthene	24.308	252	41038m	2.760	ng	
90) Benzo(a)pyrene	25.166	252	68776	4.741	ng	98
92) Benzo(g,h,i)perylene	30.524	276	53078	3.773	ng	97

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

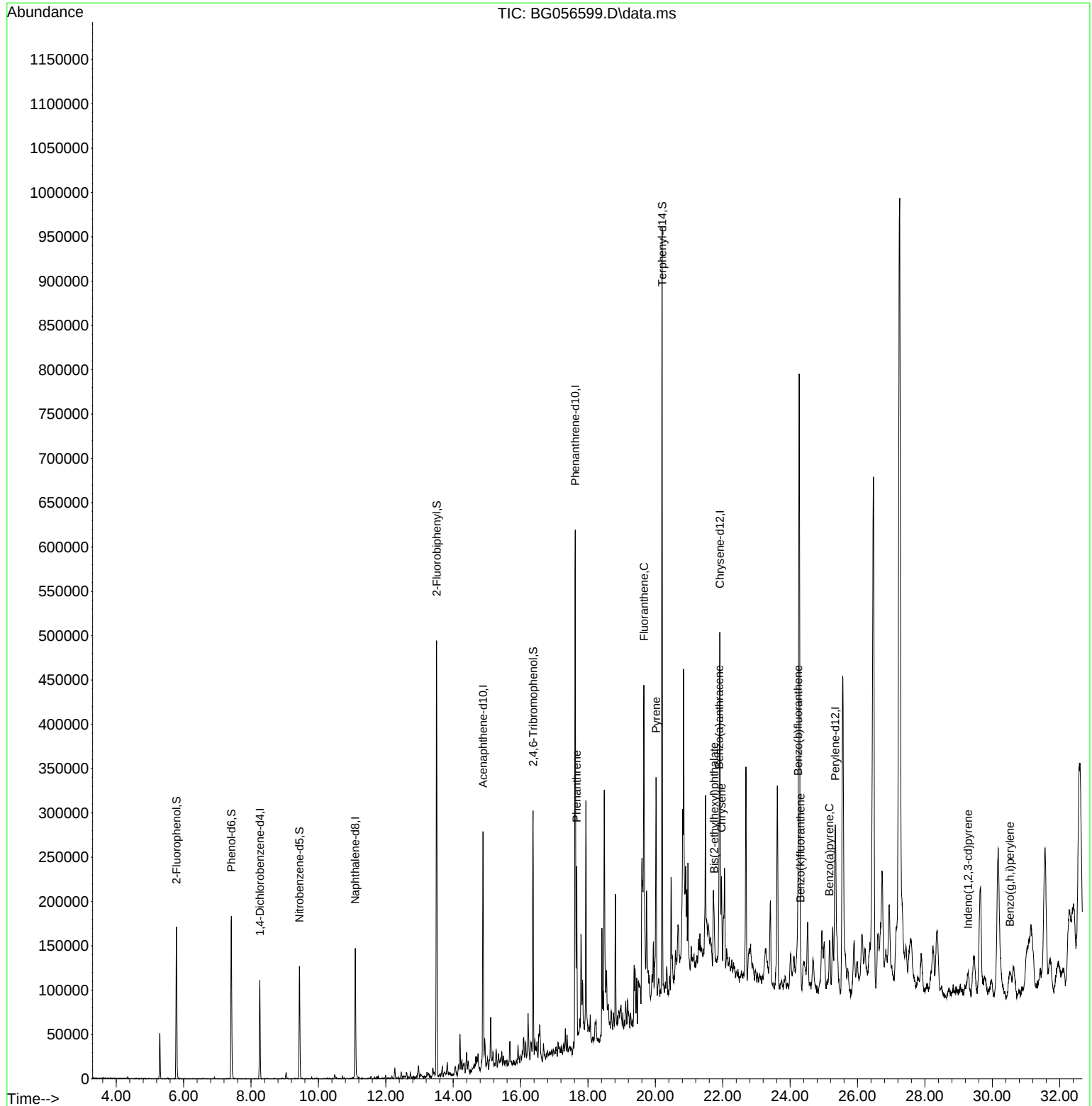
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
Data File : BG056599.D
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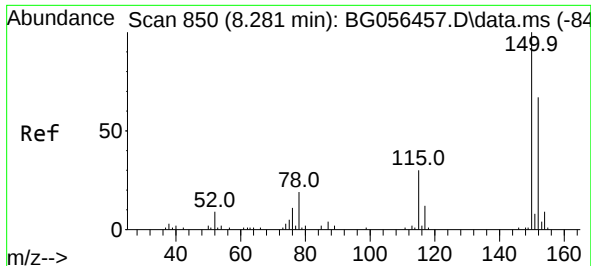
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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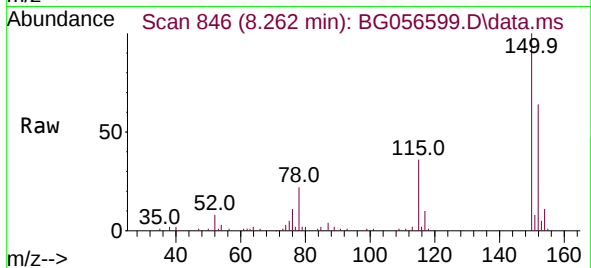
Reviewed By : Christian Giraldo 02/10/2023
Supervised By : Jagrut Upadhyay 02/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.262 min Scan# 84
Delta R.T. -0.007 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

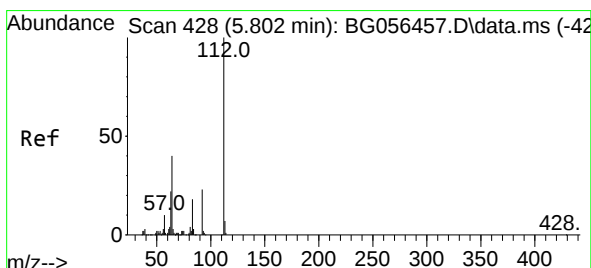
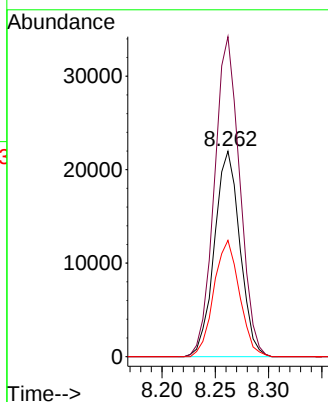
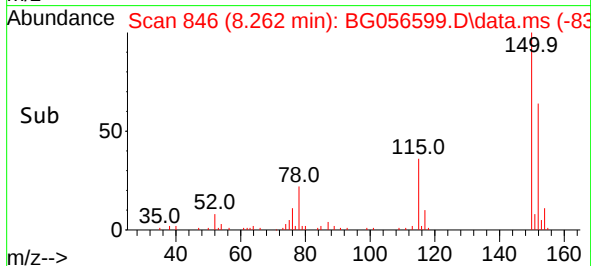
Instrument :
BNA_G
ClientSampleId :
TOPSOIL



Tgt Ion:152 Resp: 36605
Ion Ratio Lower Upper
152 100
150 155.9 120.2 180.4
115 56.6 36.3 54.5

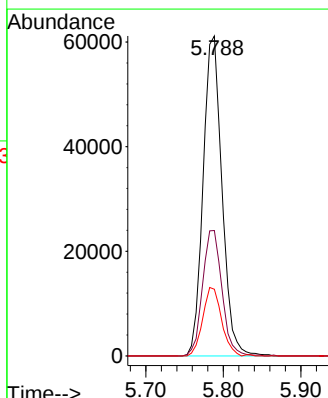
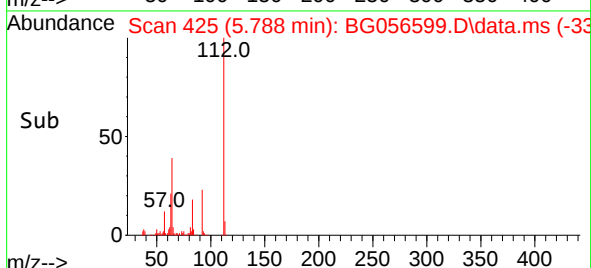
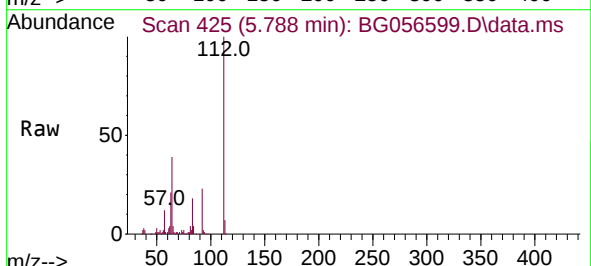
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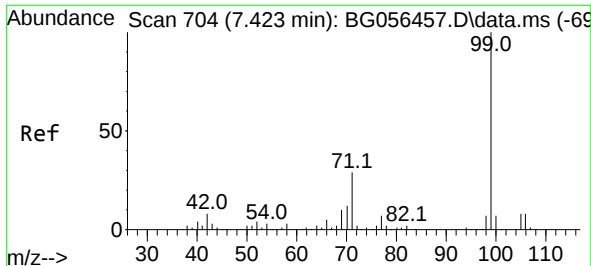
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#5
2-Fluorophenol
Concen: 51.925 ng
RT: 5.788 min Scan# 425
Delta R.T. -0.002 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

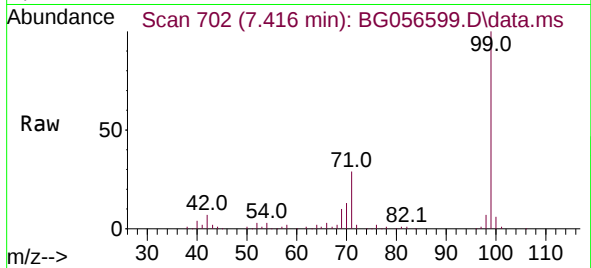
Tgt Ion:112 Resp: 103324
Ion Ratio Lower Upper
112 100
64 39.2 31.9 47.9
63 20.8 17.4 26.0





#7
Phenol-d6
Concen: 50.616 ng
RT: 7.416 min Scan# 704
Delta R.T. -0.002 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

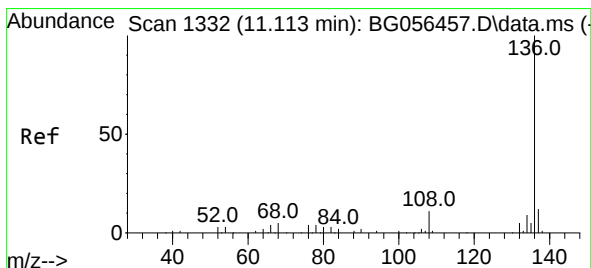
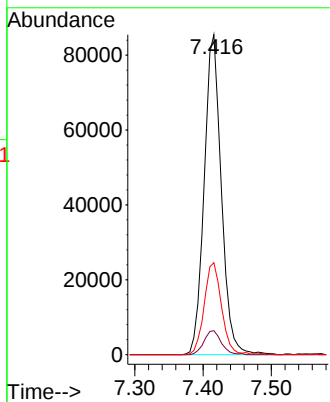
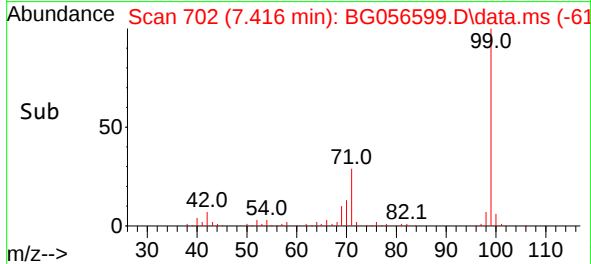
Instrument :
BNA_G
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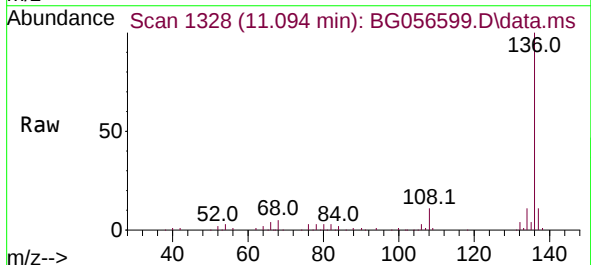
Tgt Ion: 99 Resp: 149231
Ion Ratio Lower Upper
99 100
42 7.5 6.6 10.0
71 28.7 23.4 35.0

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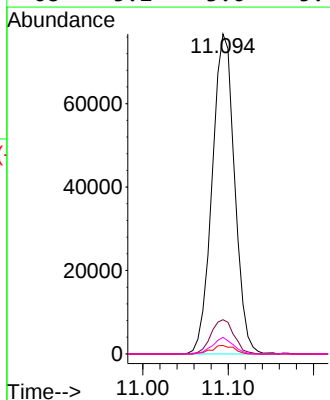
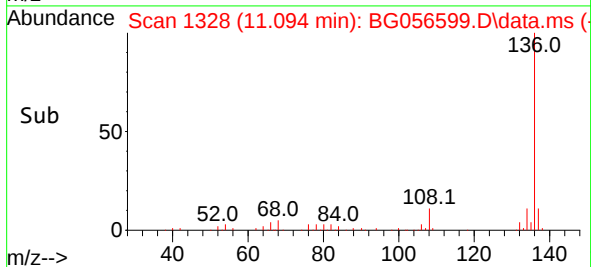
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Supervised By :Jagrut Upadhyay 02/10/2023

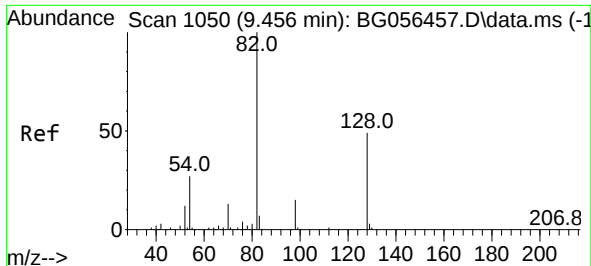


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.094 min Scan# 1328
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11



Tgt Ion:136 Resp: 139963
Ion Ratio Lower Upper
136 100
137 10.7 9.4 14.0
54 2.6 2.2 3.4
68 5.2 3.6 5.4





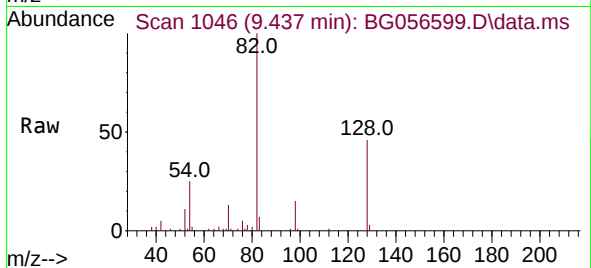
#23
Nitrobenzene-d5
Concen: 36.561 ng
RT: 9.437 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

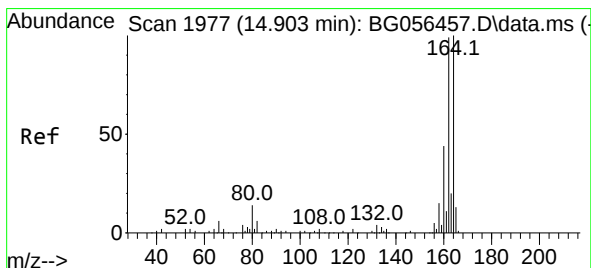
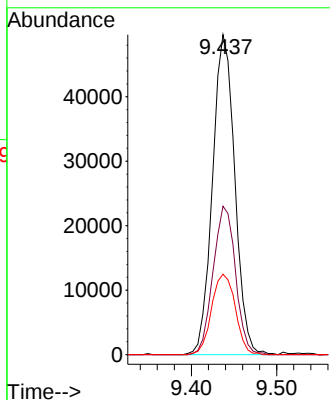
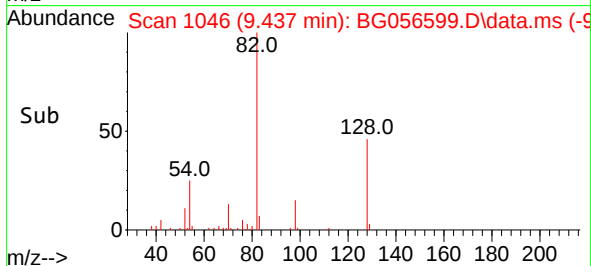


Tgt Ion: 82 Resp: 90115
Ion Ratio Lower Upper
82 100
128 46.4 39.4 59.2
54 25.1 21.4 32.2

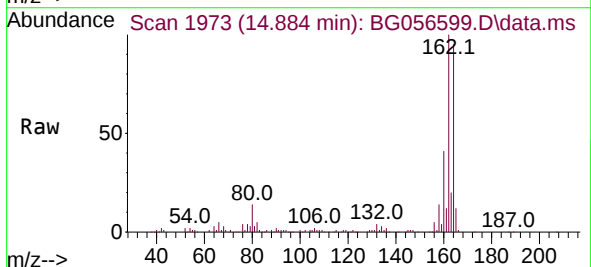
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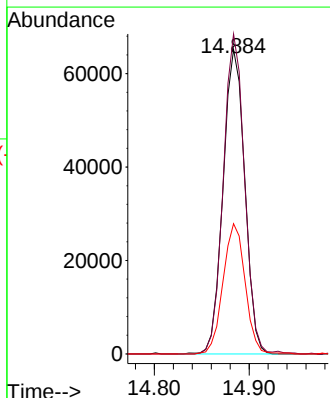
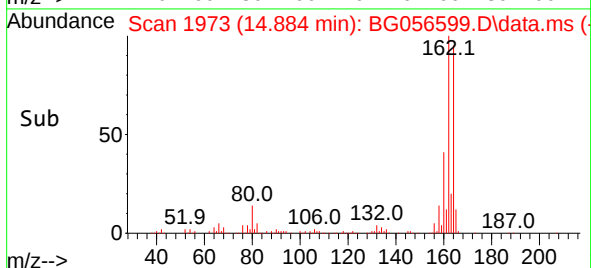
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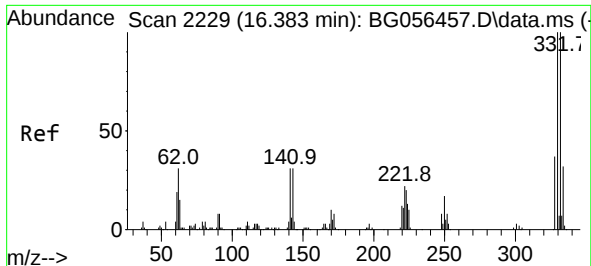


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.884 min Scan# 1773
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11



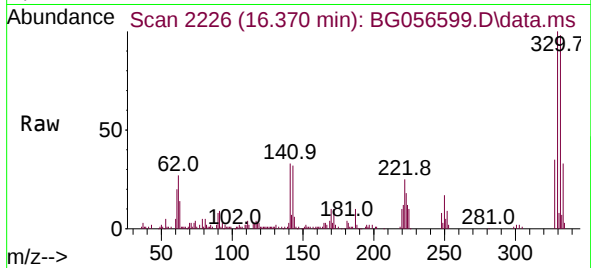
Tgt Ion:164 Resp: 103414
Ion Ratio Lower Upper
164 100
162 105.1 79.6 119.4
160 42.8 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 42.344 ng
RT: 16.370 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

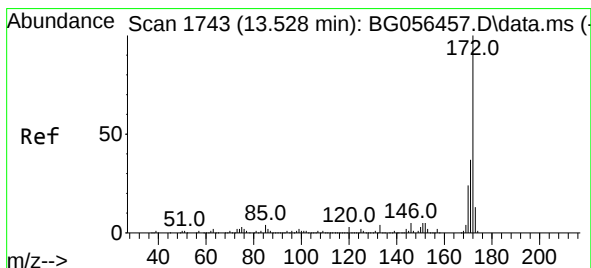
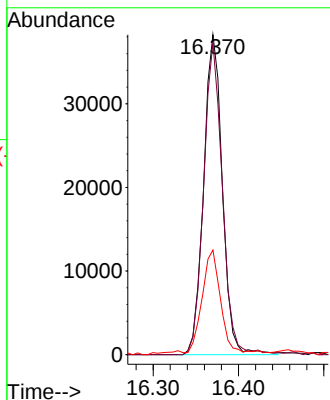
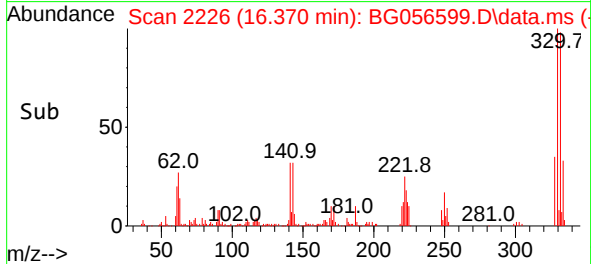
Instrument :
BNA_G
ClientSampleId :
TOPSOIL



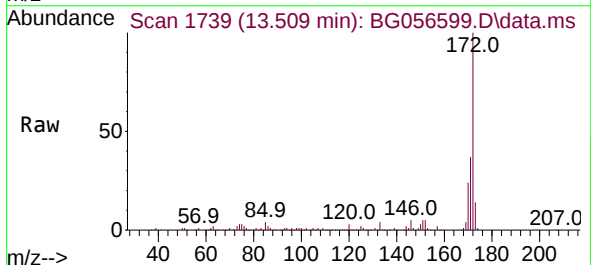
Tgt Ion:330 Resp: 58215
Ion Ratio Lower Upper
330 100
332 97.5 79.0 118.6
141 34.1 24.2 36.4

Manual Integrations
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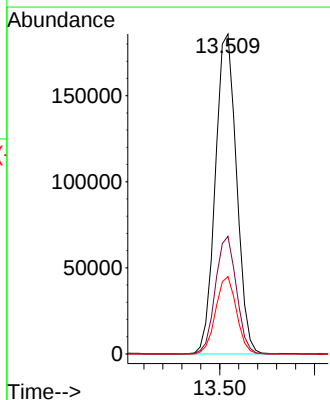
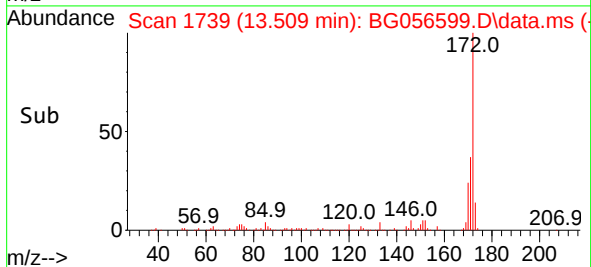
Reviewed By :Christian Giraldo 02/10/2023
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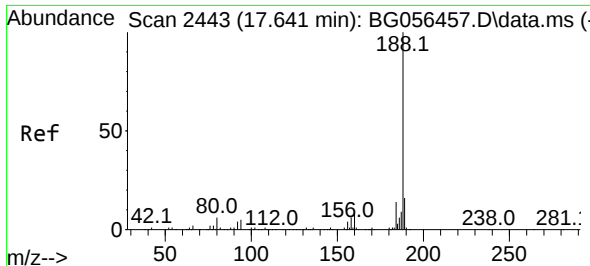


#45
2-Fluorobiphenyl
Concen: 38.736 ng
RT: 13.509 min Scan# 1739
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11



Tgt Ion:172 Resp: 288935
Ion Ratio Lower Upper
172 100
171 36.7 29.5 44.3
170 24.2 19.2 28.8





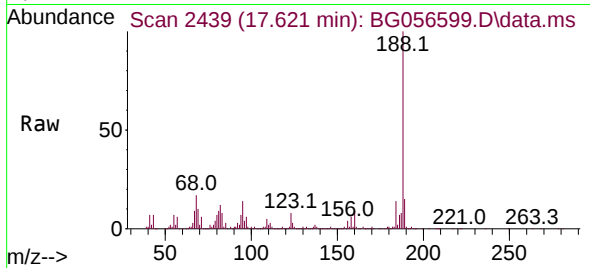
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.621 min Scan# 2443
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

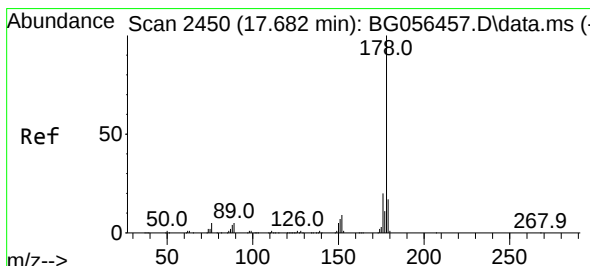
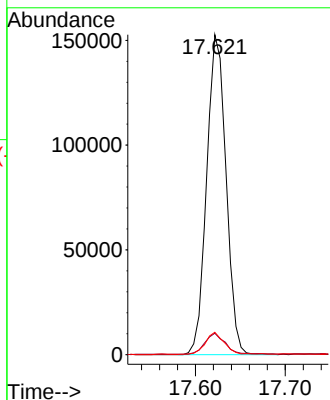
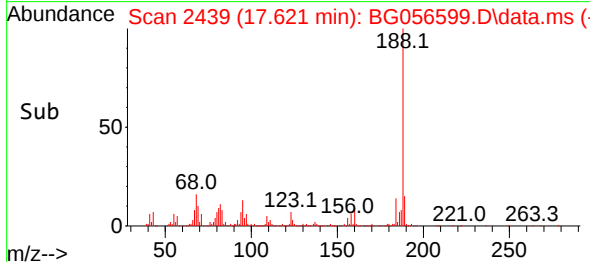


Tgt Ion:188 Resp: 229156
Ion Ratio Lower Upper
188 100
94 6.7 4.1 6.1
80 7.0 5.0 7.4

Manual Integrations

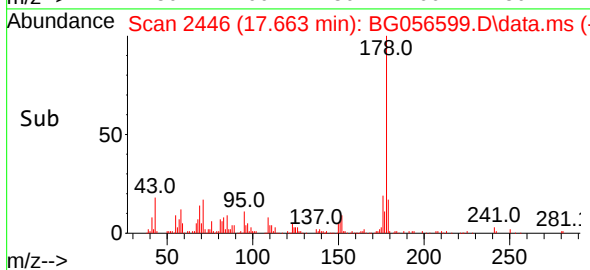
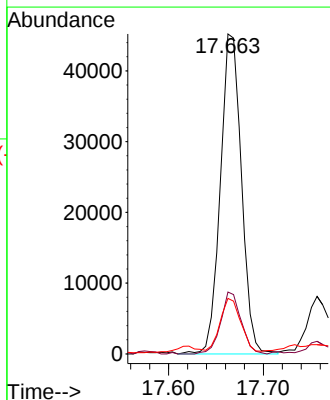
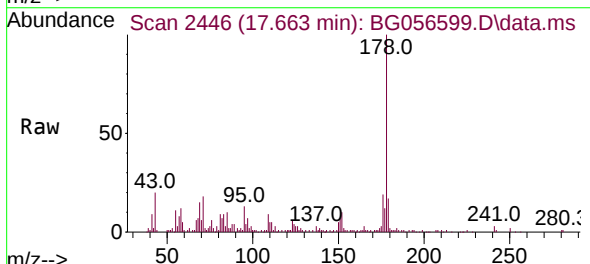
APPROVED

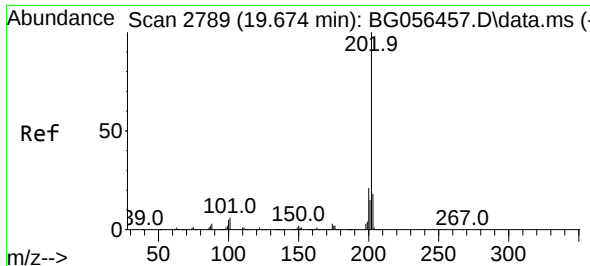
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#71
Phenanthrene
Concen: 5.825 ng
RT: 17.663 min Scan# 2446
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

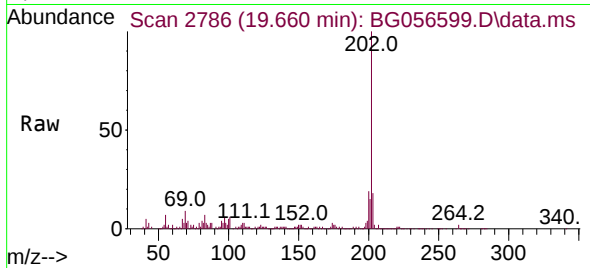
Tgt Ion:178 Resp: 69857
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 17.3 13.3 19.9





#75
Fluoranthene
Concen: 10.810 ng
RT: 19.660 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

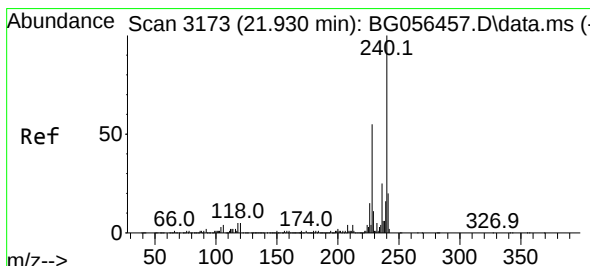
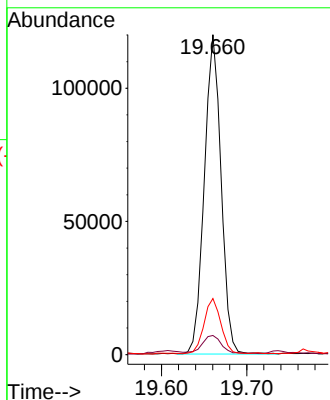
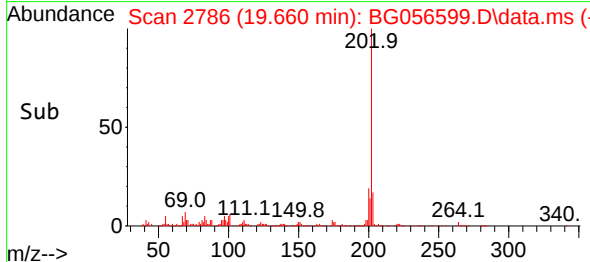
Instrument :
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TOPSOIL



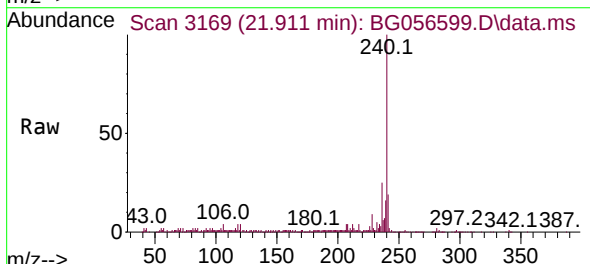
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Ion Ratio Lower Upper
202 100
101 6.0 0.0 25.6
203 17.5 0.0 38.1

Manual Integrations
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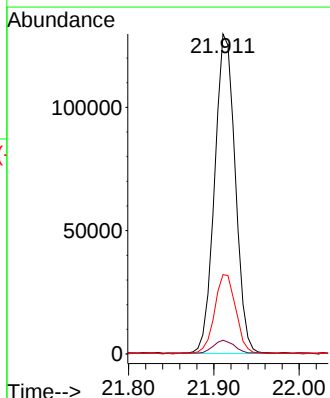
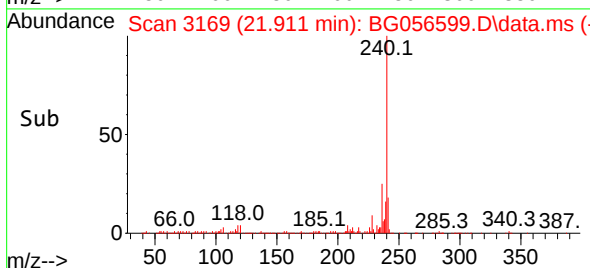
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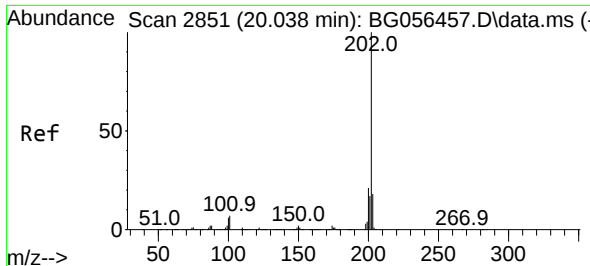


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.911 min Scan# 3169
Delta R.T. -0.013 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11



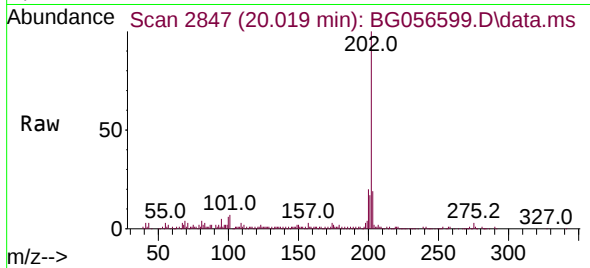
Tgt Ion:240 Resp: 217577
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 24.8 20.2 30.2





#78
 Pyrene
 Concen: 8.502 ng
 RT: 20.019 min Scan# 2851
 Delta R.T. -0.008 min
 Lab File: BG056599.D
 Acq: 9 Feb 2023 16:11

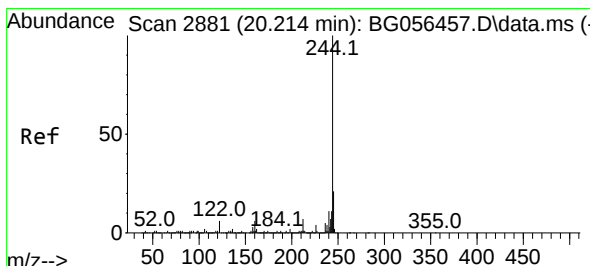
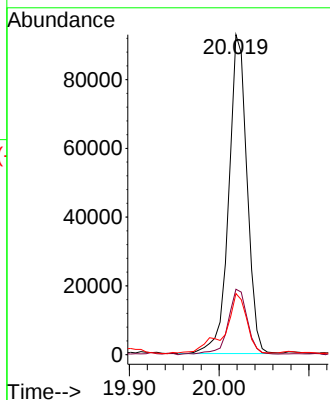
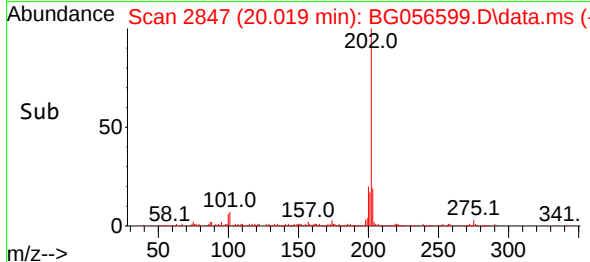
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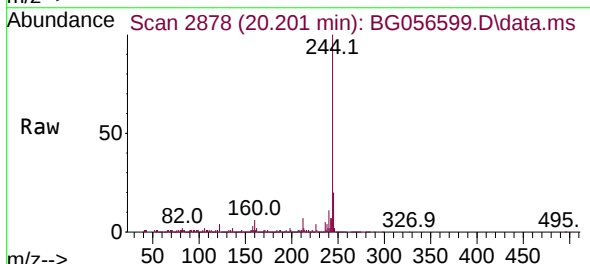
Tgt Ion:202 Resp: 131559
 Ion Ratio Lower Upper
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 200 20.4 16.7 25.1
 203 19.1 14.4 21.6

Manual Integrations
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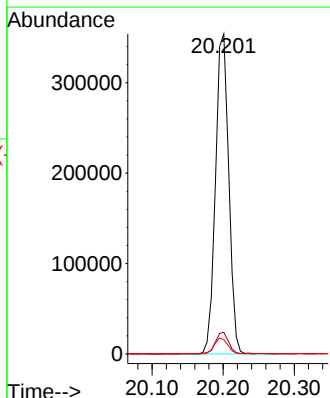
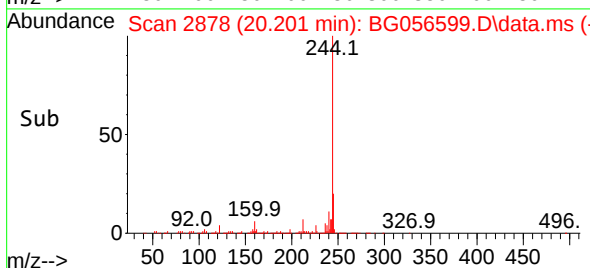
Reviewed By :Christian Giraldo 02/10/2023
 Supervised By :Jagrut Upadhyay 02/10/2023

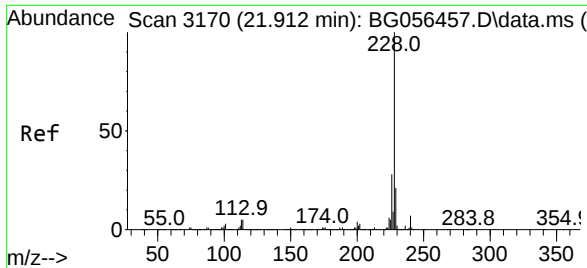


#79
 Terphenyl-d14
 Concen: 37.229 ng
 RT: 20.201 min Scan# 2878
 Delta R.T. -0.008 min
 Lab File: BG056599.D
 Acq: 9 Feb 2023 16:11



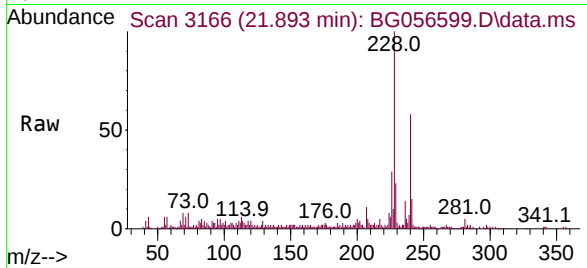
Tgt Ion:244 Resp: 461196
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 4.5 4.4 6.6





#81
Benzo(a)anthracene
Concen: 4.691 ng
RT: 21.893 min Scan# 3170
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

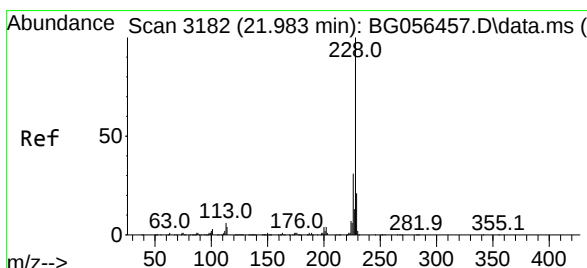
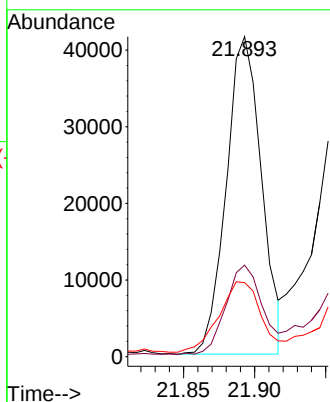
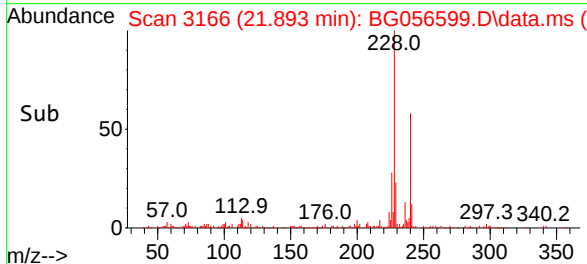
Instrument :
BNA_G
ClientSampleId :
TOPSOIL



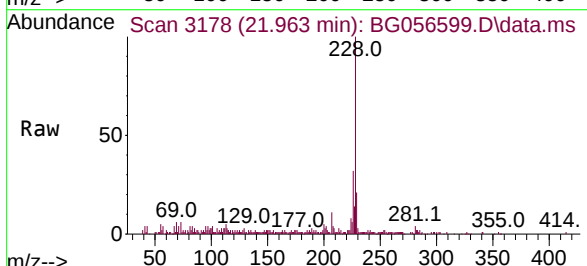
Tgt Ion:228 Resp: 71352
Ion Ratio Lower Upper
228 100
226 28.6 22.4 33.6
229 23.1 16.5 24.7

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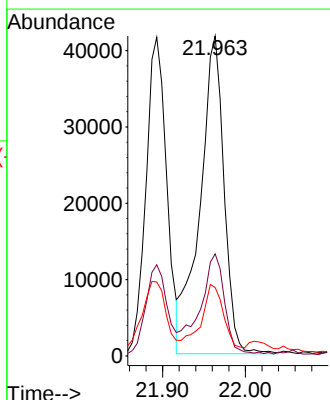
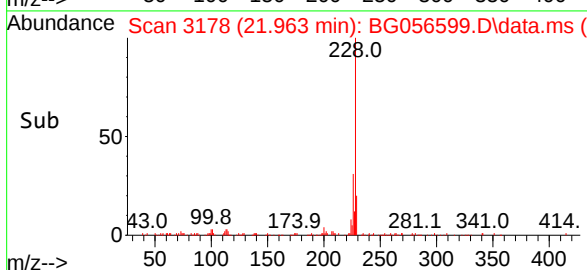
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

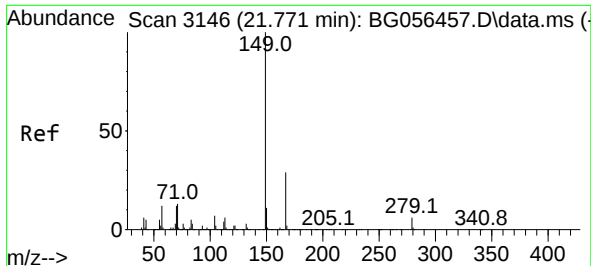


#83
Chrysene
Concen: 5.910 ng m
RT: 21.963 min Scan# 3178
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11



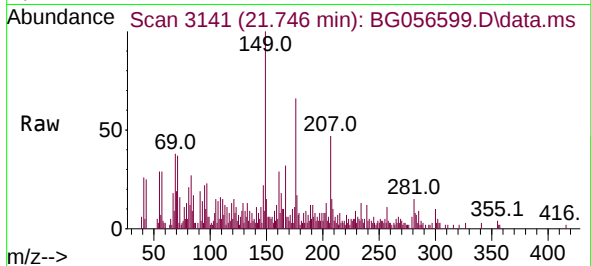
Tgt Ion:228 Resp: 84459
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.4
229 21.4 16.4 24.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.402 ng
RT: 21.746 min Scan# 3146
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

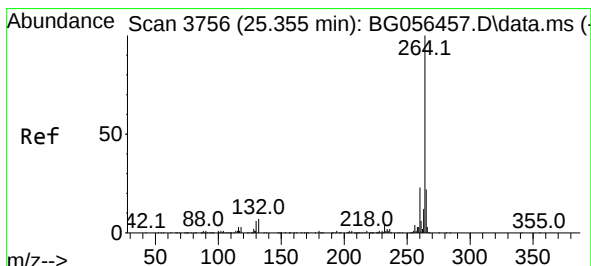
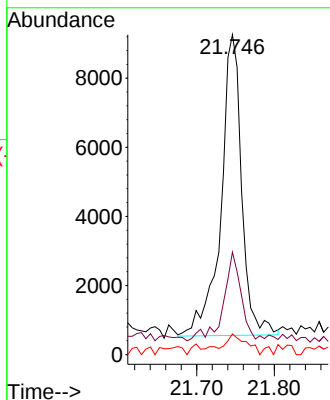
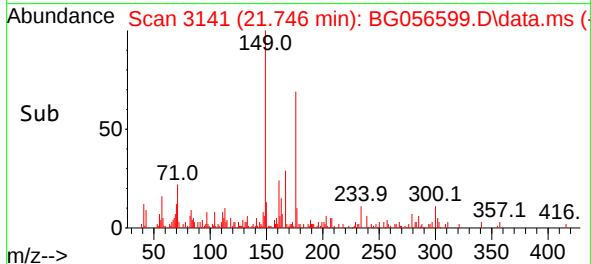
Instrument :
BNA_G
ClientSampleId :
TOPSOIL



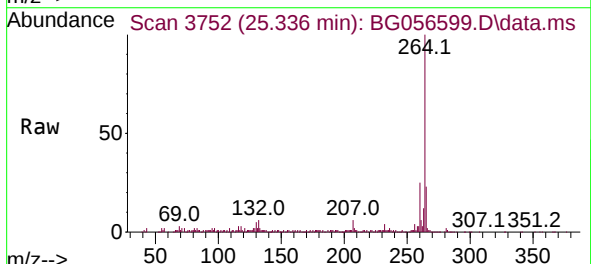
Tgt Ion:149 Resp: 16273
Ion Ratio Lower Upper
149 100
167 32.0 23.4 35.2
279 6.5 4.4 6.6

Manual Integrations
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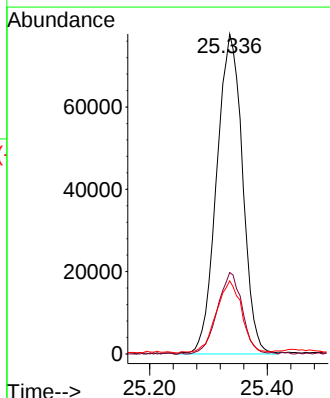
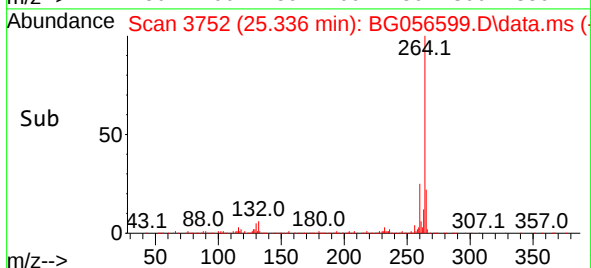
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

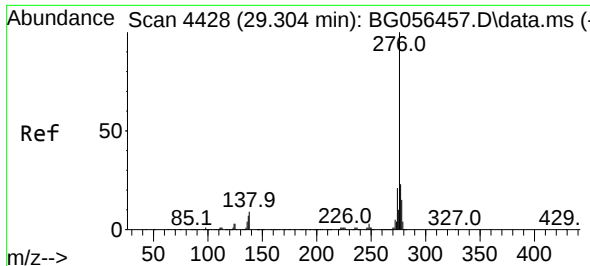


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.336 min Scan# 3752
Delta R.T. -0.002 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11



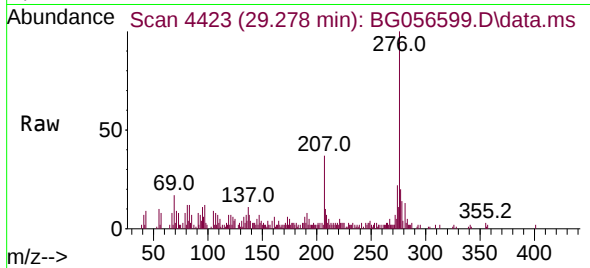
Tgt Ion:264 Resp: 237257
Ion Ratio Lower Upper
264 100
260 25.4 18.2 27.4
265 22.8 18.1 27.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.127 ng
RT: 29.278 min Scan# 4428
Delta R.T. -0.008 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11

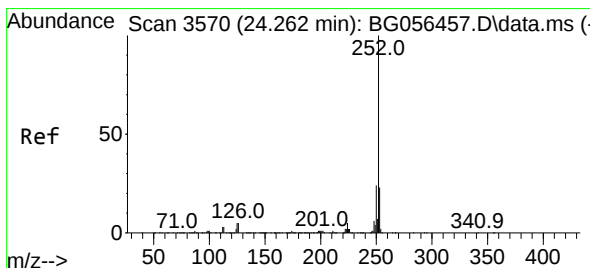
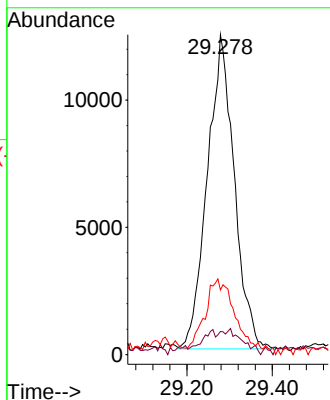
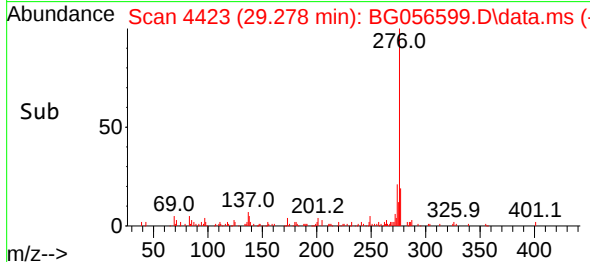
Instrument :
BNA_G
ClientSampleId :
TOPSOIL



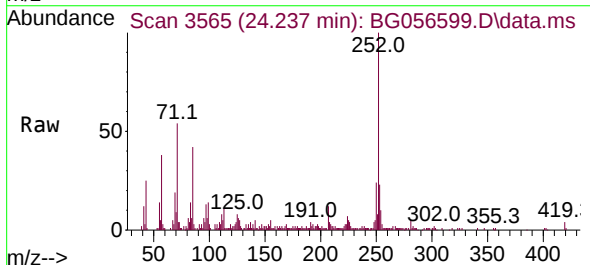
Tgt Ion:276 Resp: 54306
Ion Ratio Lower Upper
276 100
138 2.2 9.4 14.2
277 23.2 20.3 30.5

Manual Integrations
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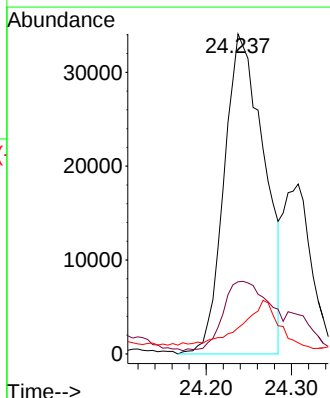
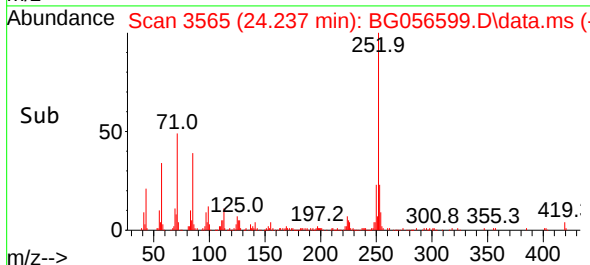
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

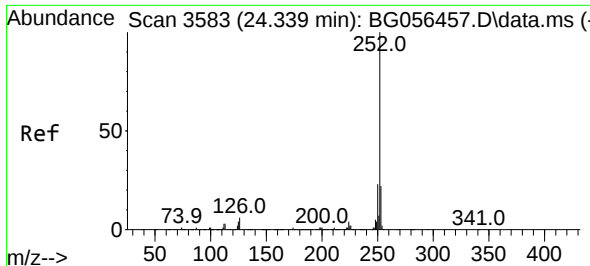


#88
Benzo(b)fluoranthene
Concen: 7.551 ng
RT: 24.237 min Scan# 3565
Delta R.T. -0.013 min
Lab File: BG056599.D
Acq: 9 Feb 2023 16:11



Tgt Ion:252 Resp: 111199
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 8.1 3.9 5.9





#89

Benzo(k)fluoranthene

Concen: 2.760 ng m

RT: 24.308 min Scan# 3583

Delta R.T. -0.013 min

Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Instrument :

BNA_G

ClientSampleId :

TOPSOIL

Tgt Ion:252 Resp: 41038

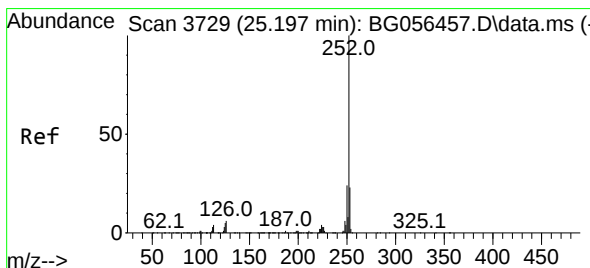
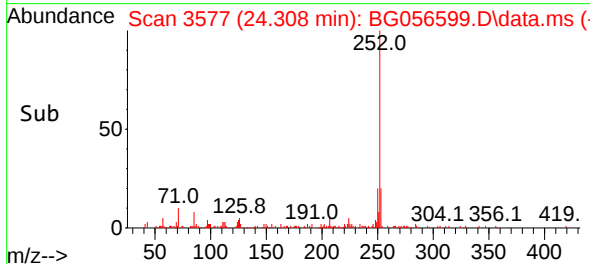
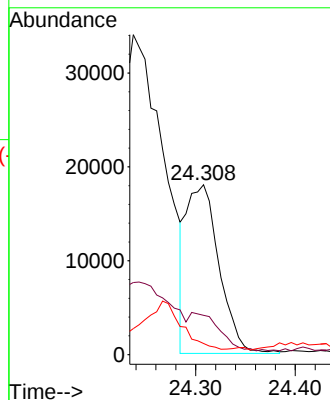
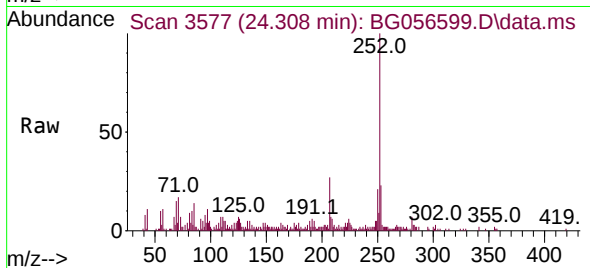
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	6.6	3.4	5.0

Manual Integrations

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Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#90

Benzo(a)pyrene

Concen: 4.741 ng

RT: 25.166 min Scan# 3723

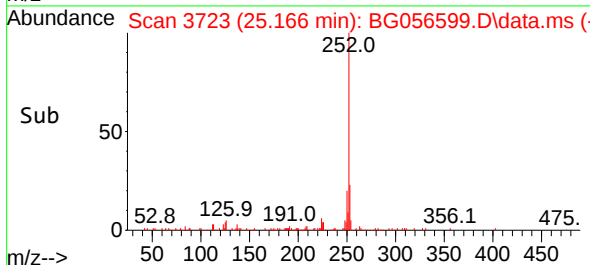
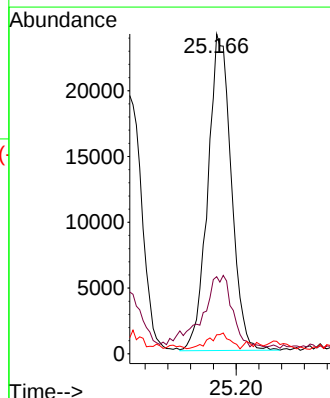
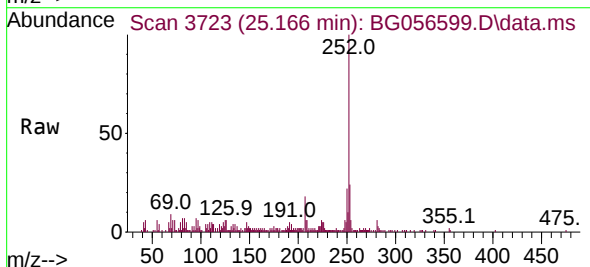
Delta R.T. -0.013 min

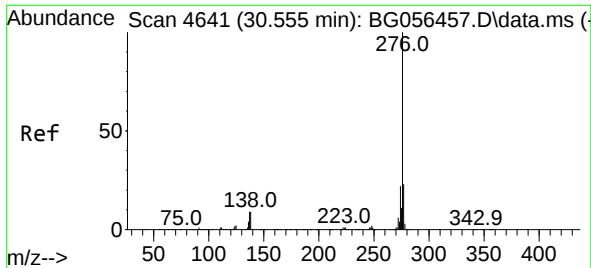
Lab File: BG056599.D

Acq: 9 Feb 2023 16:11

Tgt Ion:252 Resp: 68776

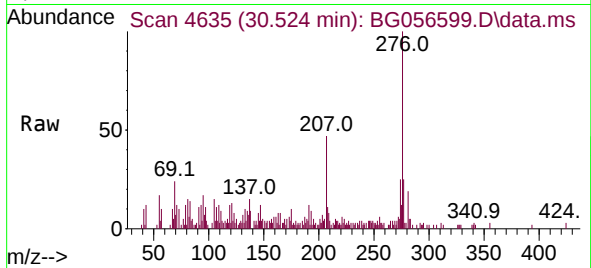
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	6.0	4.1	6.1





#92
 Benzo(g,h,i)perylene
 Concen: 3.773 ng
 RT: 30.524 min Scan# 4635
 Delta R.T. -0.002 min
 Lab File: BG056599.D
 Acq: 9 Feb 2023 16:11

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL



Tgt Ion:276 Resp: 53078
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.5 27.7
 138 9.2 7.4 11.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/10/2023
 Supervised By :Jagrut Upadhyay 02/10/2023

