

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
 Data File : BG056631.D
 Acq On : 13 Feb 2023 22:54
 Operator : CG/JU
 Sample : 01529-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-0-2.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/14/2023
 Supervised By : Jagrut Upadhyay 02/14/2023

Quant Time: Feb 14 02:10:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 22:46:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.213	152	50278	20.000	ng	0.00
21) Naphthalene-d8	11.051	136	179309	20.000	ng	0.00
39) Acenaphthene-d10	14.847	164	122797	20.000	ng	0.00
64) Phenanthrene-d10	17.585	188	268236	20.000	ng	0.00
76) Chrysene-d12	21.868	240	250861	20.000	ng	0.00
86) Perylene-d12	25.264	264	217490	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	37650	13.775	ng	0.02
7) Phenol-d6	7.379	99	51123	12.624	ng	0.01
23) Nitrobenzene-d5	9.394	82	26779	8.481	ng	0.00
42) 2,4,6-Tribromophenol	16.333	330	20242	12.399	ng	0.00
45) 2-Fluorobiphenyl	13.466	172	86727	9.792	ng	0.00
79) Terphenyl-d14	20.164	244	130234	9.118	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.626	178	144713	10.308	ng	99
72) Anthracene	17.720	178	35166	2.440	ng	96
75) Fluoranthene	19.624	202	368299	20.786	ng	99
78) Pyrene	19.988	202	322996	18.103	ng	99
81) Benzo(a)anthracene	21.850	228	216442	12.341	ng	97
83) Chrysene	21.915	228	189726	11.515	ng	97
87) Indeno(1,2,3-cd)pyrene	29.165	276	66781m	4.195	ng	
88) Benzo(b)fluoranthene	24.189	252	254899	18.882	ng	# 94
89) Benzo(k)fluoranthene	24.248	252	110123m	8.080	ng	
90) Benzo(a)pyrene	25.111	252	177594	13.355	ng	# 94
92) Benzo(g,h,i)perylene	30.411	276	70922	5.500	ng	# 87

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

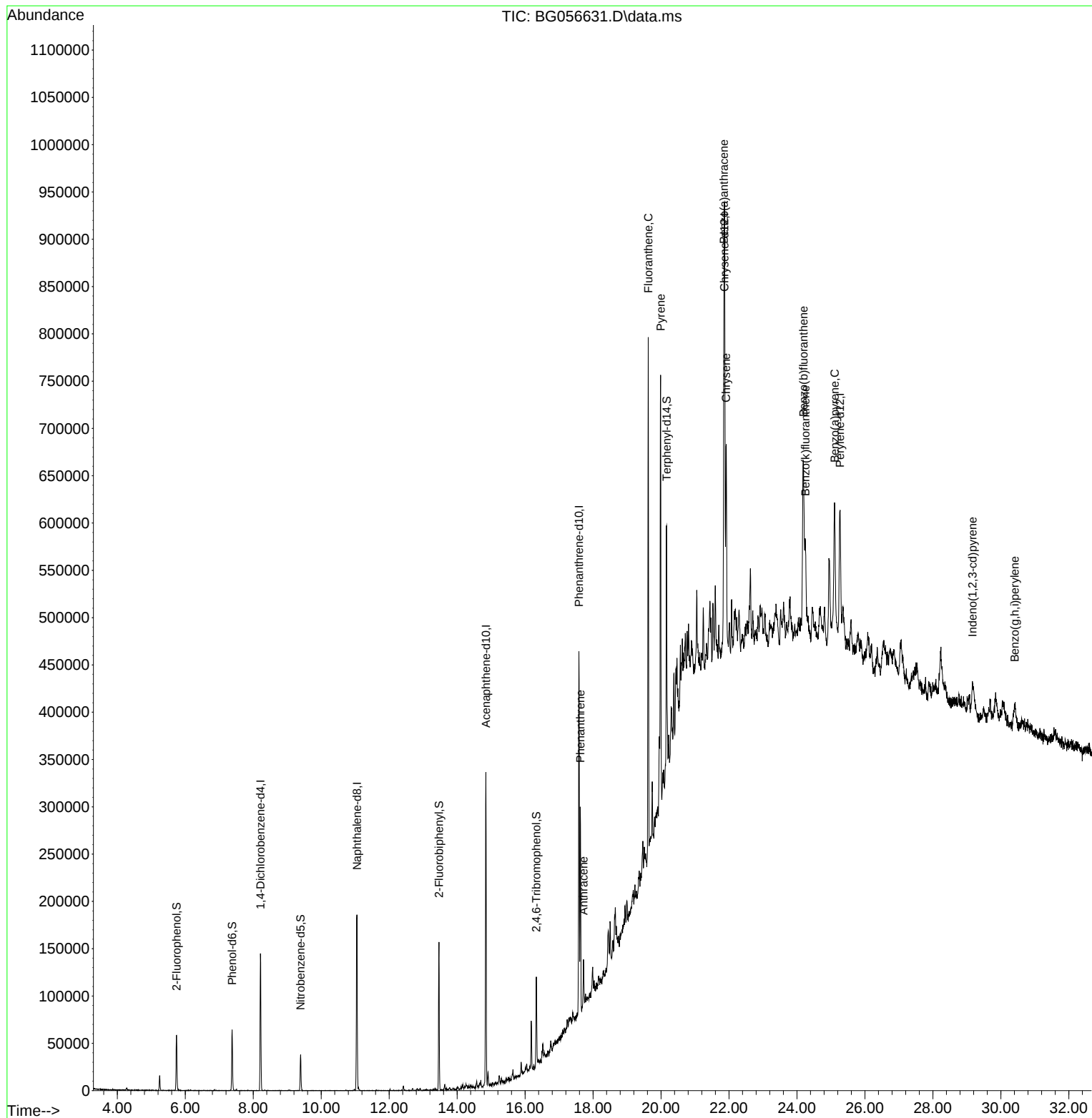
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
Data File : BG056631.D
Acq On : 13 Feb 2023 22:54
Operator : CG/JU
Sample : 01529-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

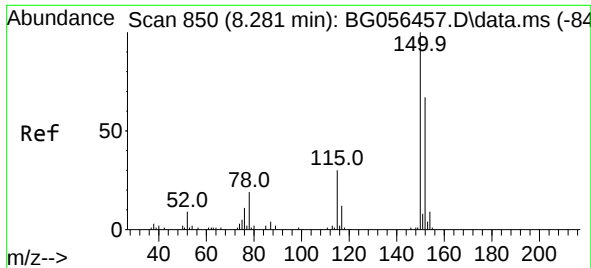
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

Quant Time: Feb 14 02:10:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
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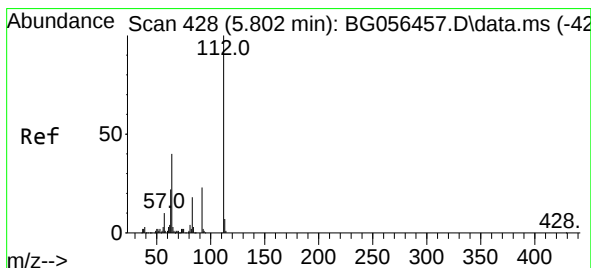
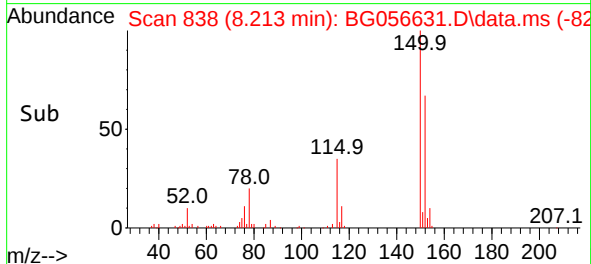
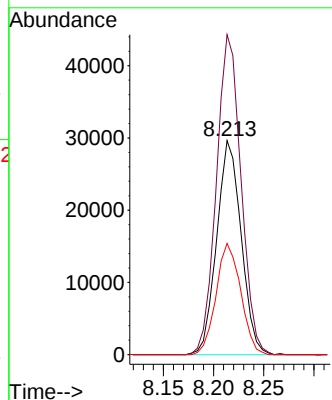
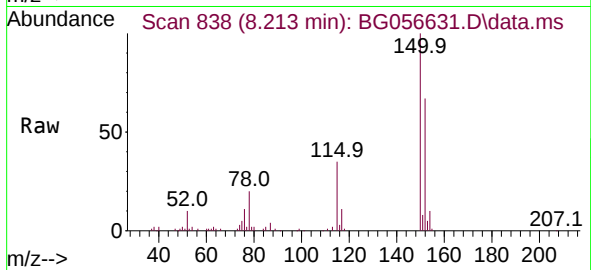
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.213 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

Tgt Ion:152 Resp: 50278
Ion Ratio Lower Upper
152 100
150 149.6 120.2 180.4
115 51.9 36.3 54.5

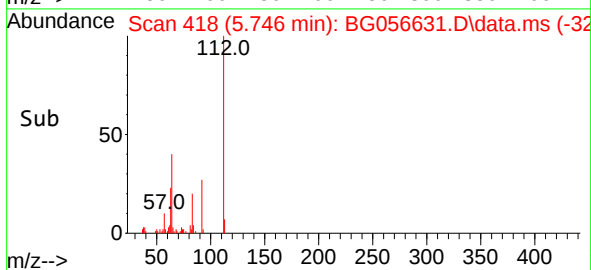
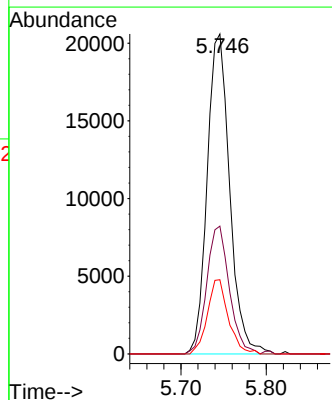
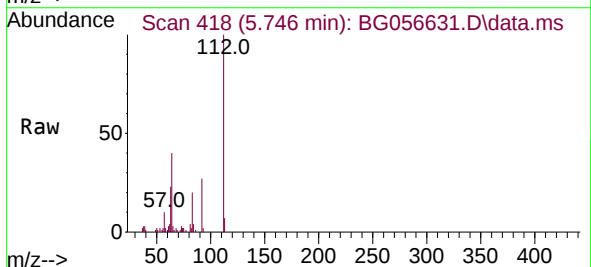
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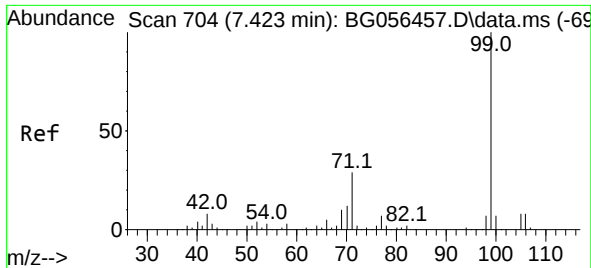
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#5
2-Fluorophenol
Concen: 13.775 ng
RT: 5.746 min Scan# 418
Delta R.T. 0.018 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

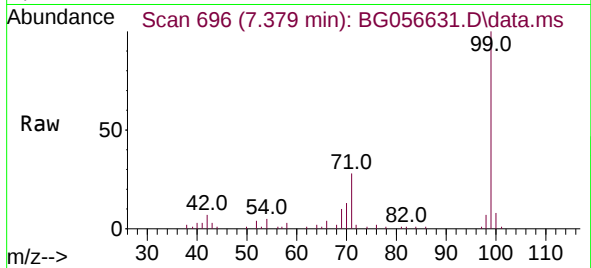
Tgt Ion:112 Resp: 37650
Ion Ratio Lower Upper
112 100
64 39.9 31.9 47.9
63 23.2 17.4 26.0





#7
Phenol-d6
Concen: 12.624 ng
RT: 7.379 min Scan# 696
Delta R.T. 0.012 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

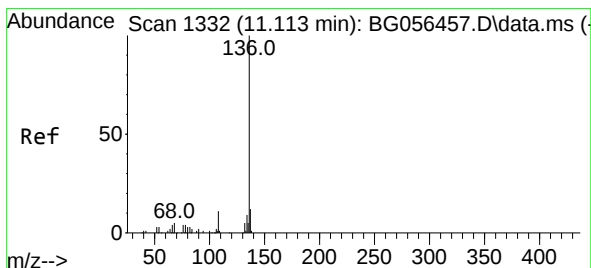
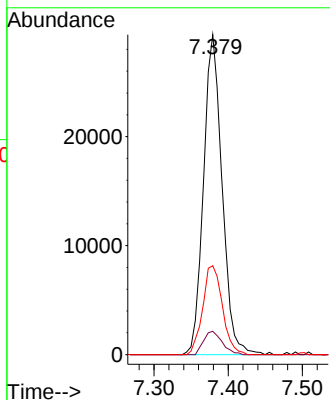
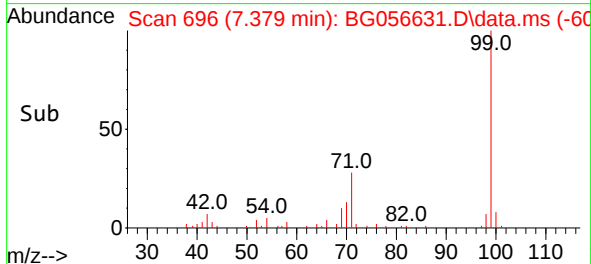
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion: 99 Resp: 51123
Ion Ratio Lower Upper
99 100
42 7.3 6.6 10.0
71 27.8 23.4 35.0

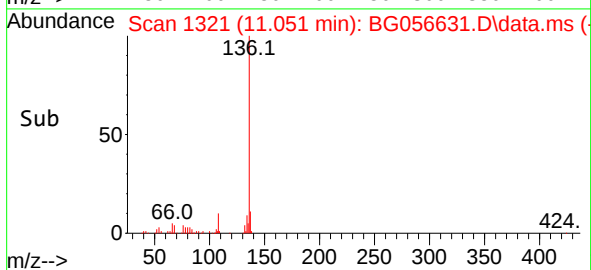
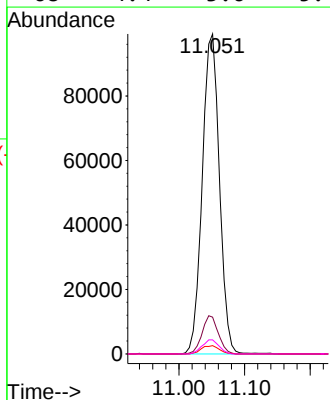
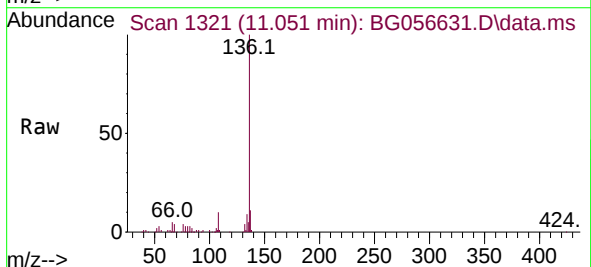
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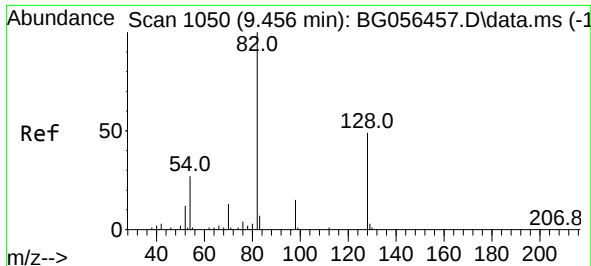
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.051 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

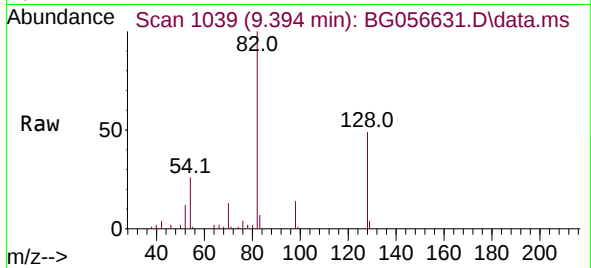
Tgt Ion:136 Resp: 179309
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.6 2.2 3.4
68 4.4 3.6 5.4





#23
Nitrobenzene-d5
Concen: 8.481 ng
RT: 9.394 min Scan# 1050
Delta R.T. 0.006 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

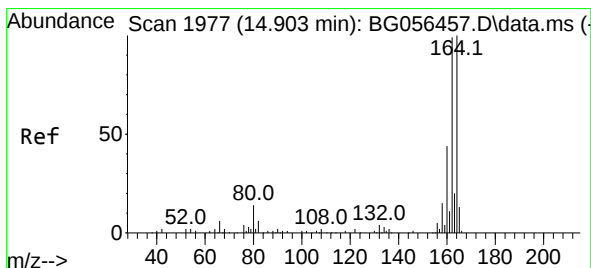
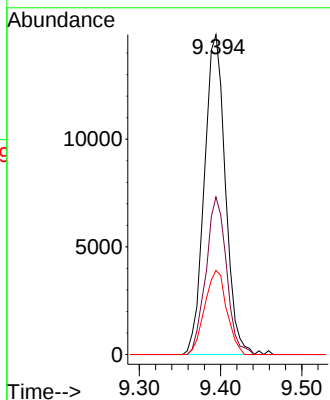
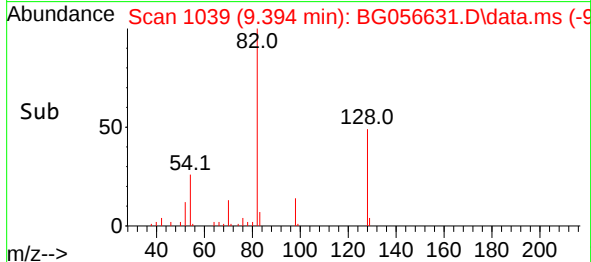
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion: 82 Resp: 26779
Ion Ratio Lower Upper
82 100
128 49.2 39.4 59.2
54 26.3 21.4 32.2

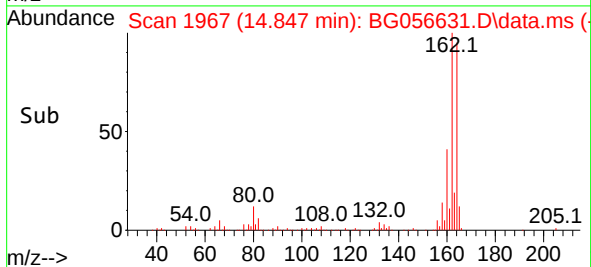
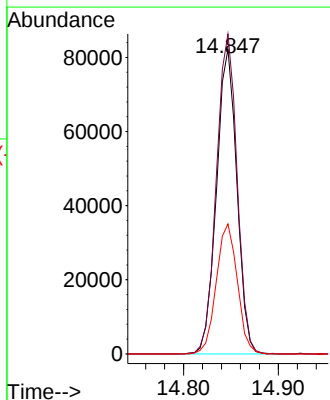
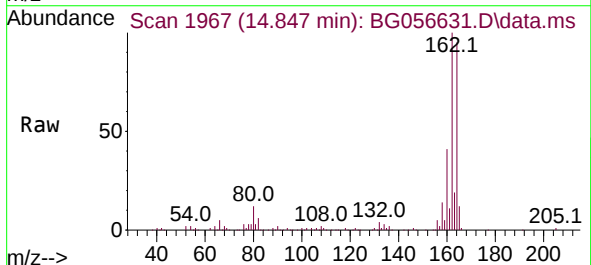
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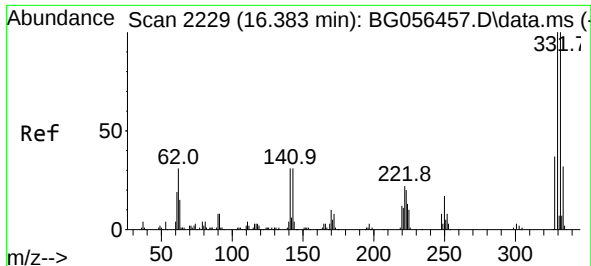
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.847 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

Tgt Ion:164 Resp: 122797
Ion Ratio Lower Upper
164 100
162 105.0 79.6 119.4
160 42.7 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 12.399 ng
RT: 16.333 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

Instrument :

BNA_G

ClientSampleId :

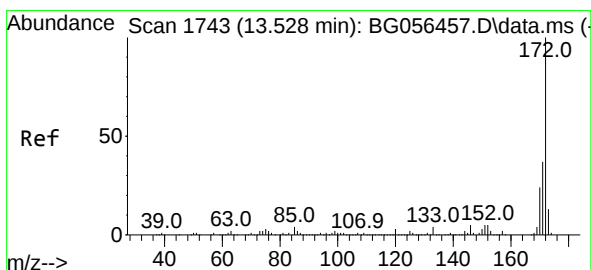
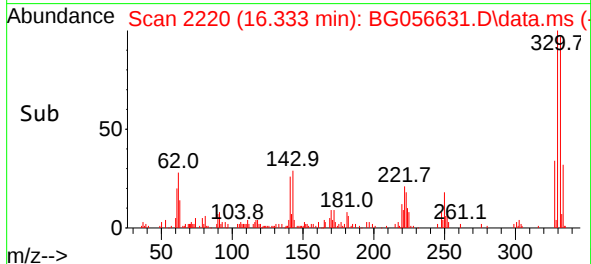
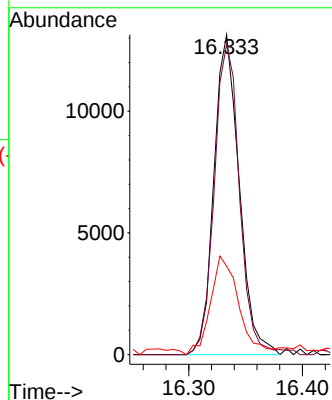
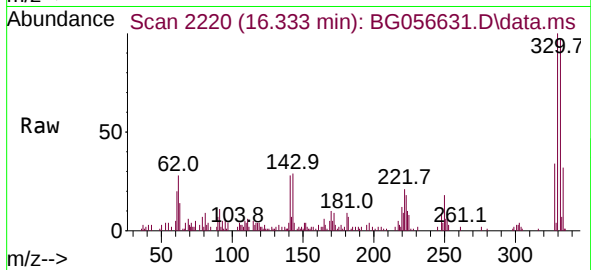
SB-05-0-2.0

Tgt Ion:330 Resp: 2024
Ion Ratio Lower Upper
330 100
332 97.8 79.0 118.6
141 34.4 24.2 36.4

Manual Integrations

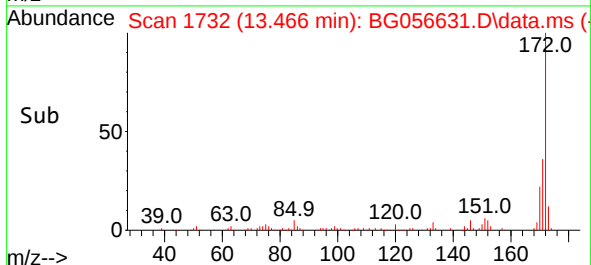
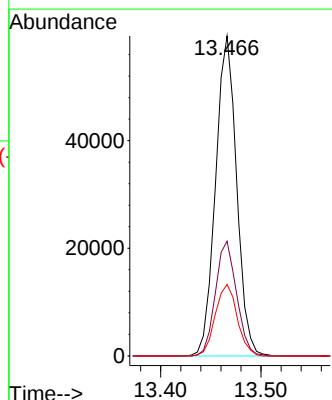
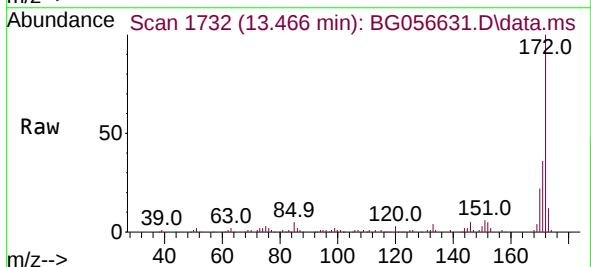
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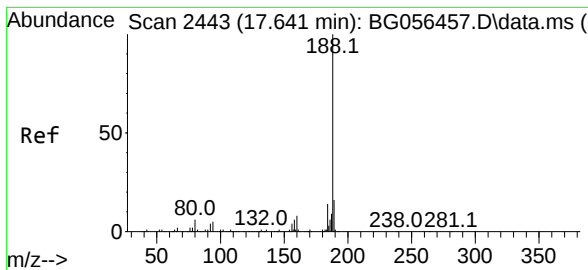
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#45
2-Fluorobiphenyl
Concen: 9.792 ng
RT: 13.466 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

Tgt Ion:172 Resp: 86727
Ion Ratio Lower Upper
172 100
171 35.8 29.5 44.3
170 22.3 19.2 28.8





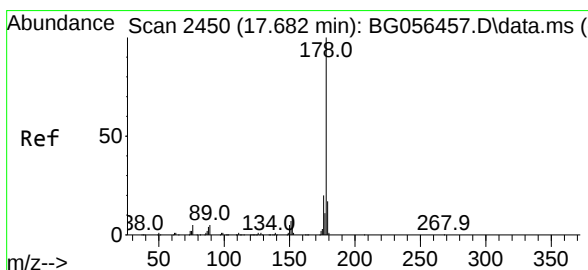
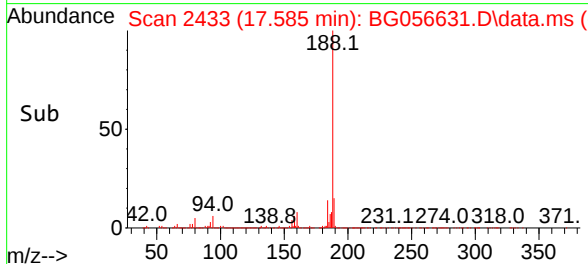
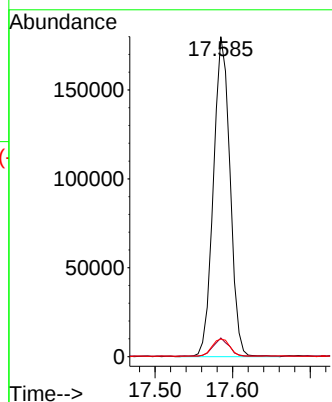
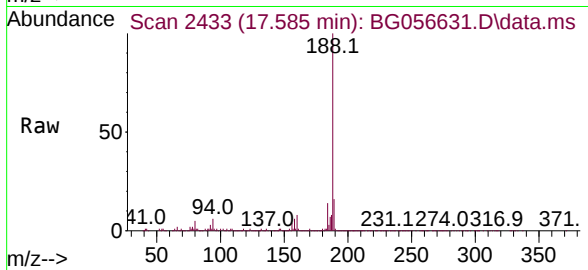
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.585 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

Tgt Ion:188 Resp: 268236
Ion Ratio Lower Upper
188 100
94 5.8 4.1 6.1
80 5.5 5.0 7.4

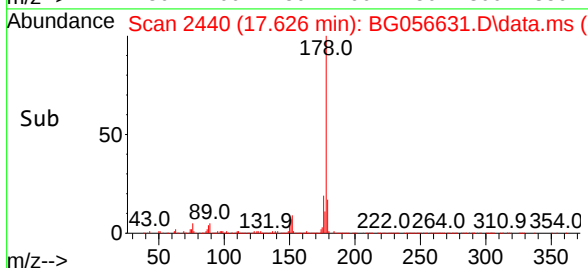
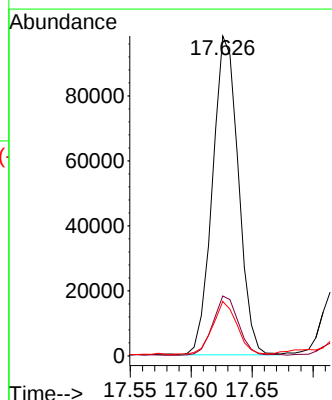
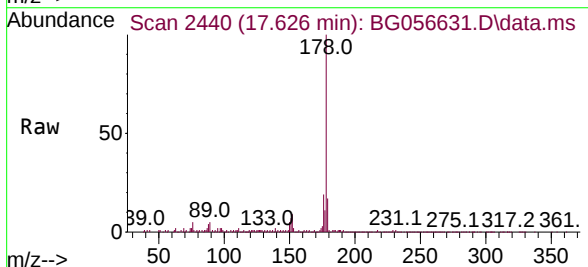
Manual Integrations
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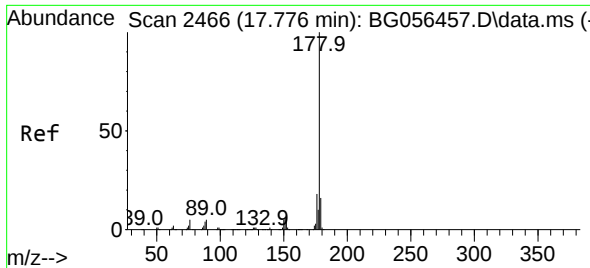
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#71
Phenanthrene
Concen: 10.308 ng
RT: 17.626 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

Tgt Ion:178 Resp: 144713
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 17.0 13.3 19.9





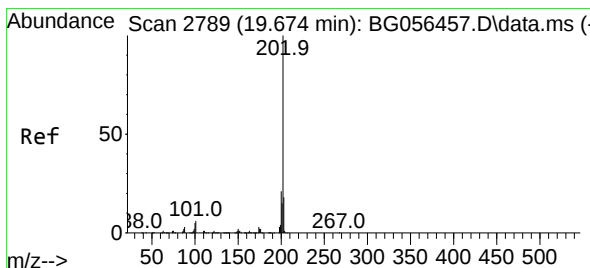
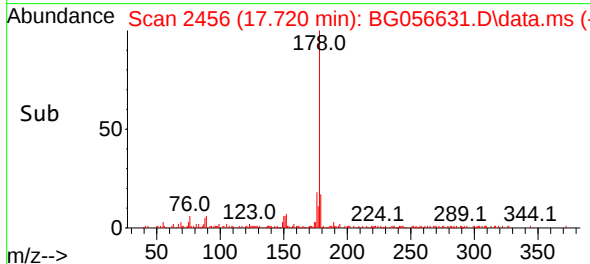
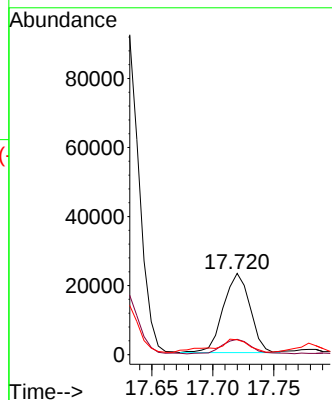
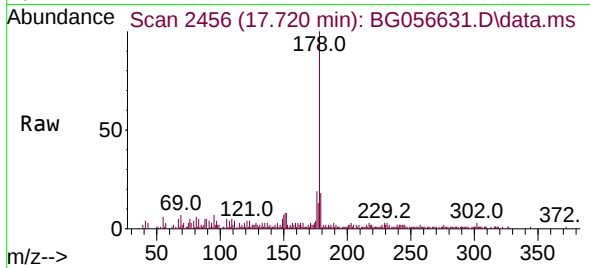
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 Anthracene
 Concen: 2.440 ng
 RT: 17.720 min Scan# 2466
 Delta R.T. 0.006 min
 Lab File: BG056631.D
 Acq: 13 Feb 2023 22:54

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-0-2.0

Tgt Ion:178 Resp: 35166
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.5 21.7
 179 18.1 12.5 18.7

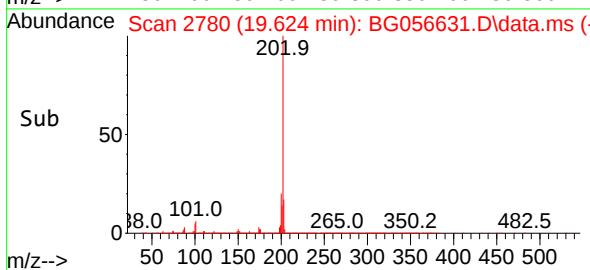
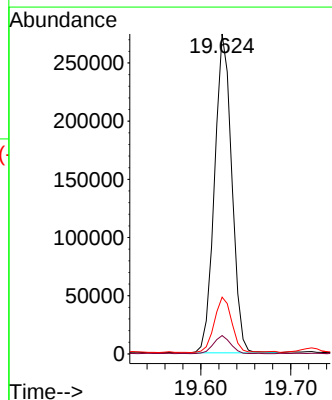
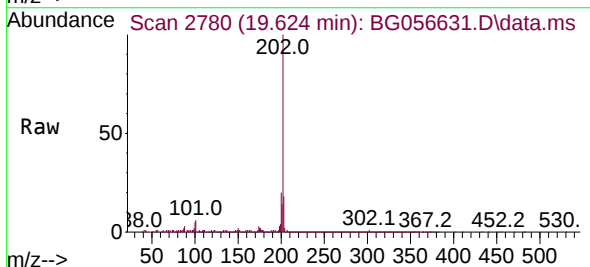
Manual Integrations
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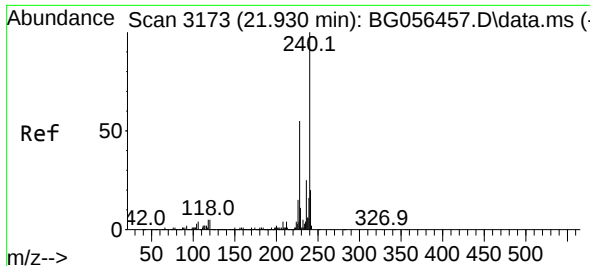
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023



#75
 Fluoranthene
 Concen: 20.786 ng
 RT: 19.624 min Scan# 2780
 Delta R.T. 0.000 min
 Lab File: BG056631.D
 Acq: 13 Feb 2023 22:54

Tgt Ion:202 Resp: 368299
 Ion Ratio Lower Upper
 202 100
 101 5.7 0.0 25.6
 203 17.7 0.0 38.1





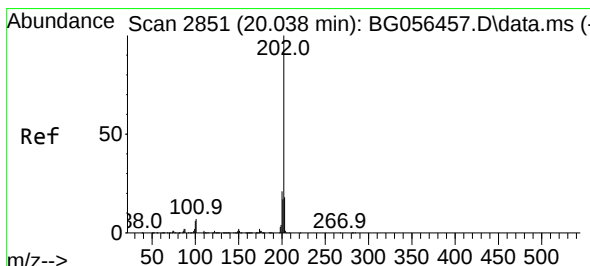
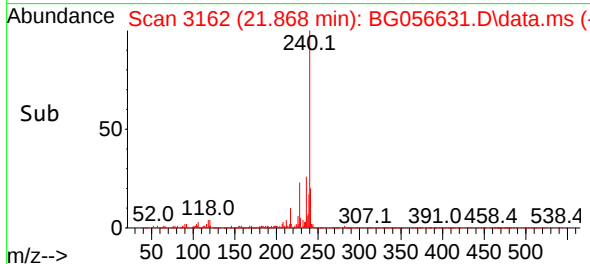
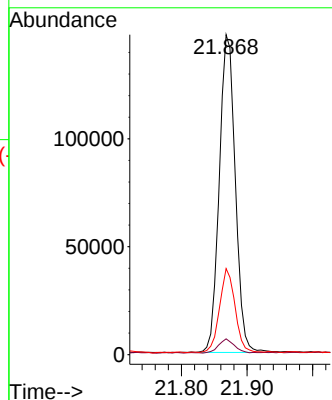
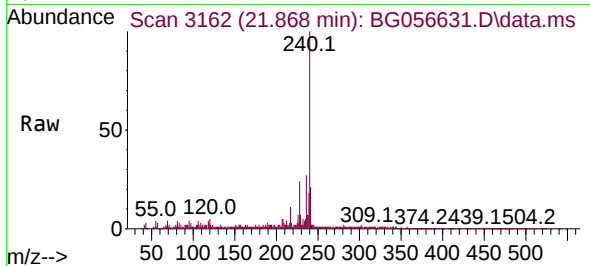
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.868 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

Tgt Ion:240 Resp: 250861
Ion Ratio Lower Upper
240 100
120 4.9 3.8 5.8
236 26.9 20.2 30.2

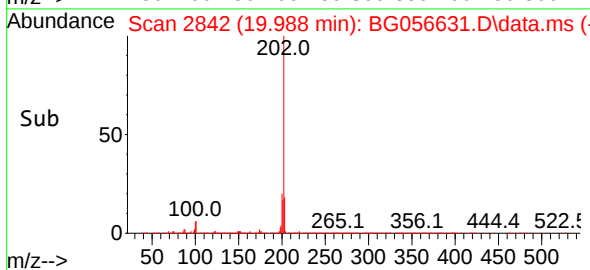
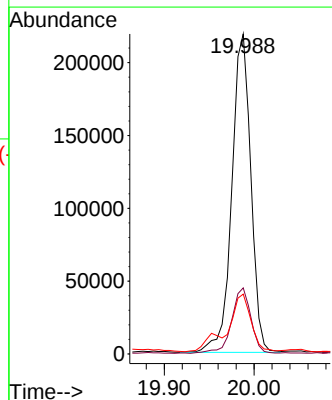
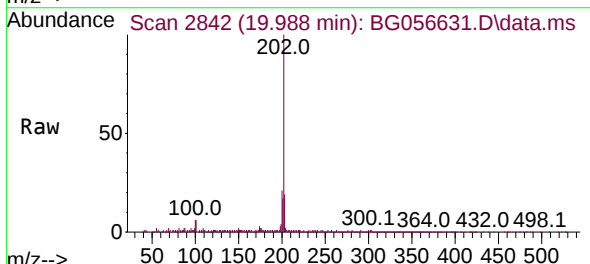
Manual Integrations
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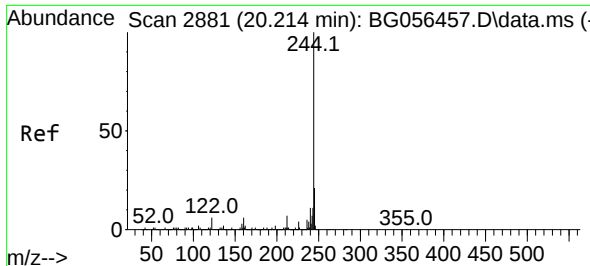
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#78
Pyrene
Concen: 18.103 ng
RT: 19.988 min Scan# 2842
Delta R.T. 0.006 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

Tgt Ion:202 Resp: 322996
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 18.7 14.4 21.6





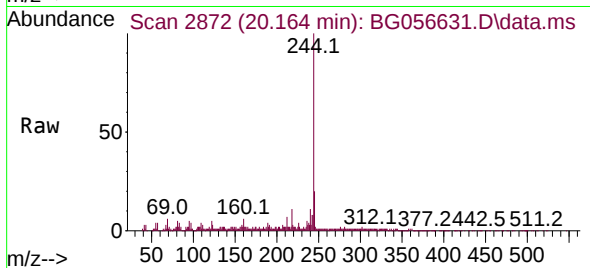
#79
 Terphenyl-d14
 Concen: 9.118 ng
 RT: 20.164 min Scan# 2881
 Delta R.T. 0.006 min
 Lab File: BG056631.D
 Acq: 13 Feb 2023 22:54

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

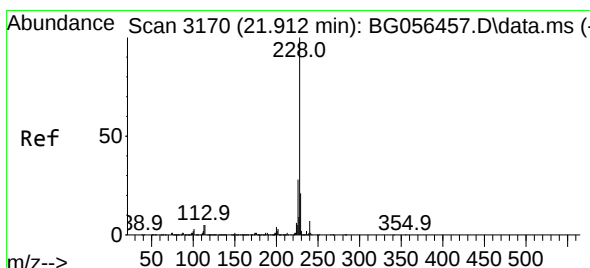
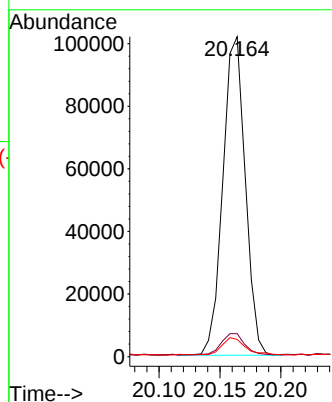
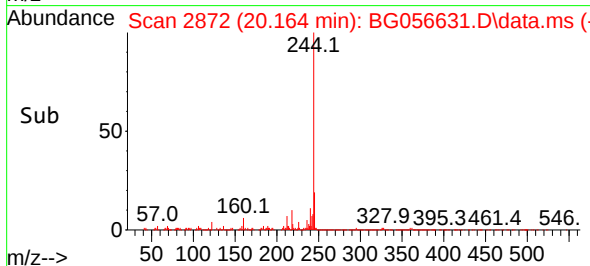


Tgt Ion:244 Resp: 130234
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 5.4 4.4 6.6

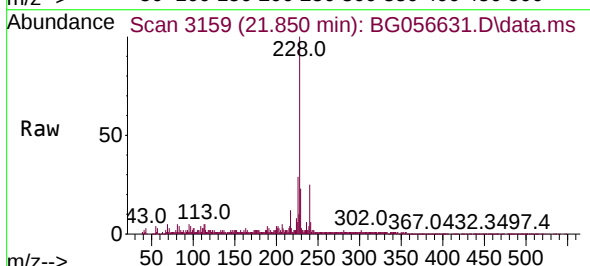
Manual Integrations

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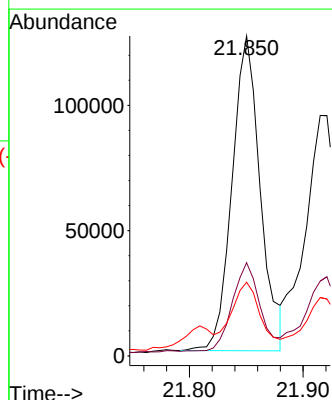
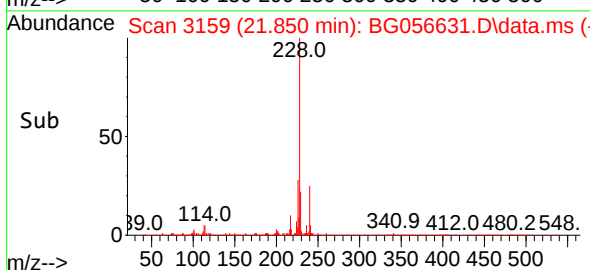
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023

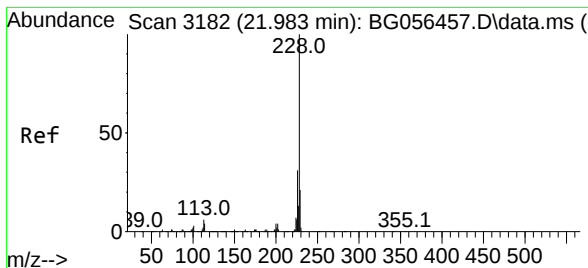


#81
 Benzo(a)anthracene
 Concen: 12.341 ng
 RT: 21.850 min Scan# 3159
 Delta R.T. 0.012 min
 Lab File: BG056631.D
 Acq: 13 Feb 2023 22:54



Tgt Ion:228 Resp: 216442
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.4 33.6
 229 23.0 16.5 24.7





#83

Chrysene

Concen: 11.515 ng

RT: 21.915 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG056631.D

Acq: 13 Feb 2023 22:54

Instrument :

BNA_G

ClientSampleId :

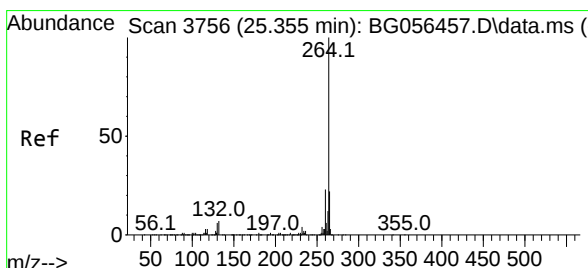
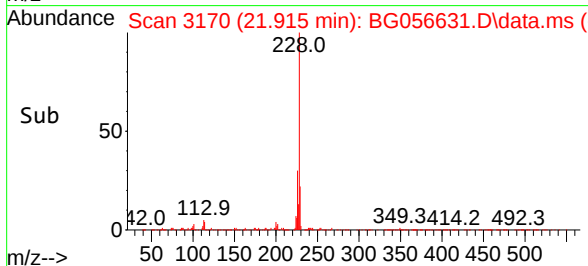
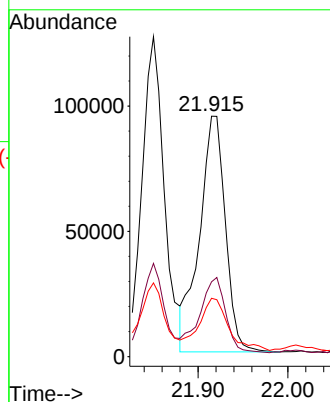
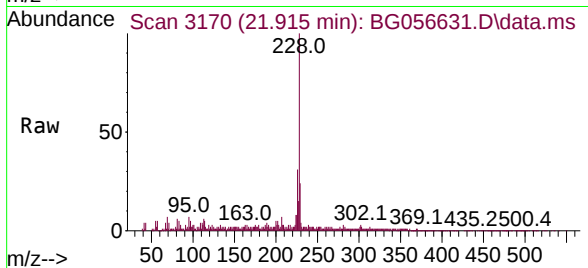
SB-05-0-2.0

Tgt Ion:	228	Resp:	189726
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.4
229	24.3	16.4	24.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#86

Perylene-d12

Concen: 20.000 ng

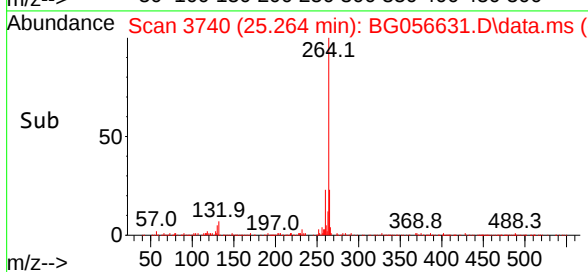
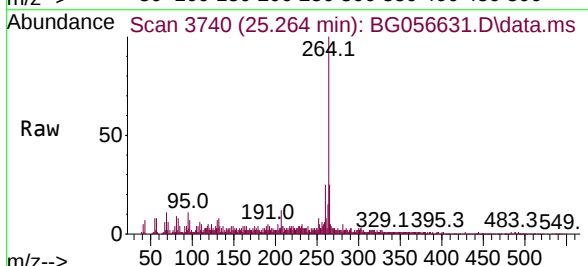
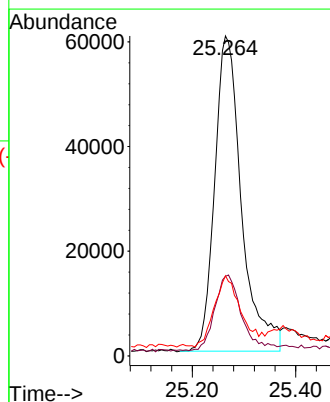
RT: 25.264 min Scan# 3740

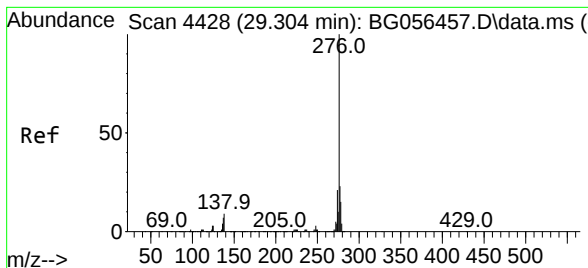
Delta R.T. 0.030 min

Lab File: BG056631.D

Acq: 13 Feb 2023 22:54

Tgt Ion:	264	Resp:	217490
Ion Ratio	Lower	Upper	
264	100		
260	24.9	18.2	27.4
265	25.0	18.1	27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.195 ng m

RT: 29.165 min Scan# 4428

Delta R.T. 0.035 min

Lab File: BG056631.D

Acq: 13 Feb 2023 22:54

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

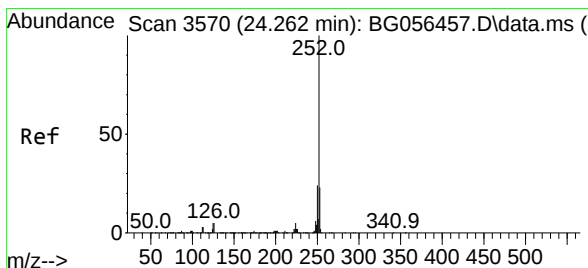
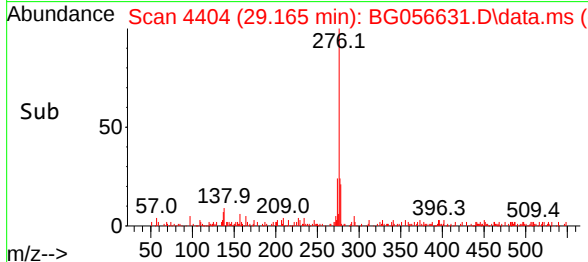
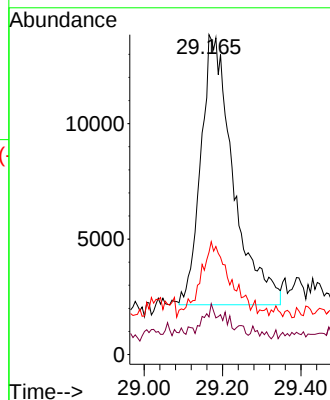
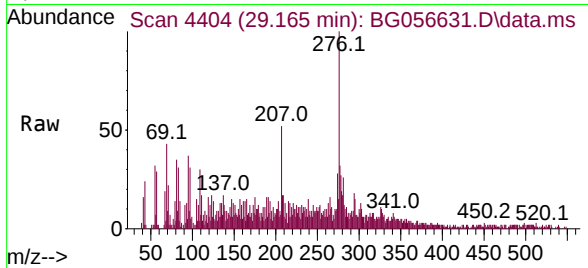
Tgt Ion:	276	Resp:	6678
Ion Ratio	Lower	Upper	
276	100		
138	0.9	9.4	14.2
277	1.9	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/14/2023

Supervised By :Jagrut Upadhyay 02/14/2023



#88

Benzo(b)fluoranthene

Concen: 18.882 ng

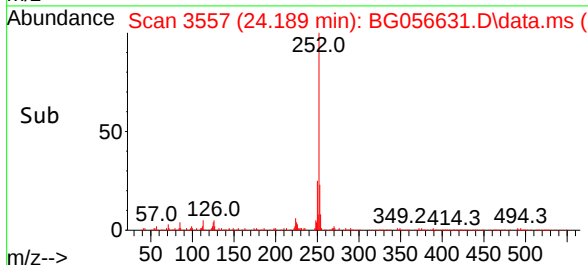
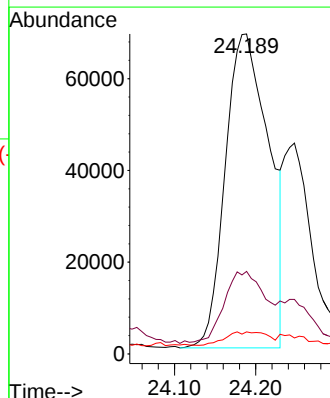
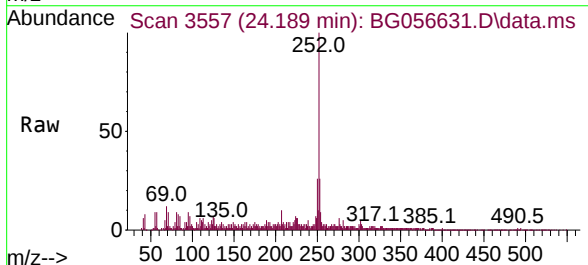
RT: 24.189 min Scan# 3557

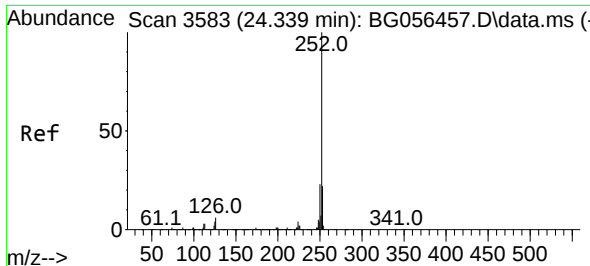
Delta R.T. 0.030 min

Lab File: BG056631.D

Acq: 13 Feb 2023 22:54

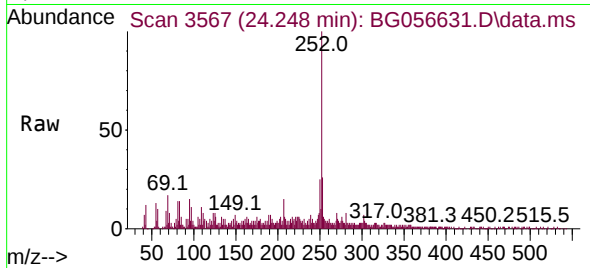
Tgt Ion:	252	Resp:	254899
Ion Ratio	Lower	Upper	
252	100		
253	25.8	18.1	27.1
125	6.9	3.9	5.9





#89
Benzo(k)fluoranthene
Concen: 8.080 ng m
RT: 24.248 min Scan# 3583
Delta R.T. 0.018 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

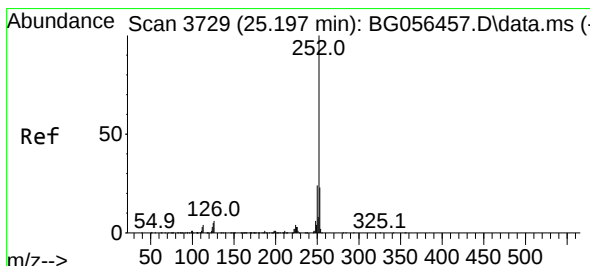
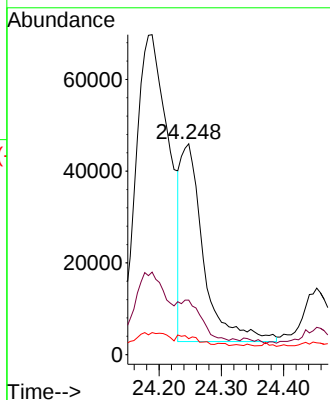
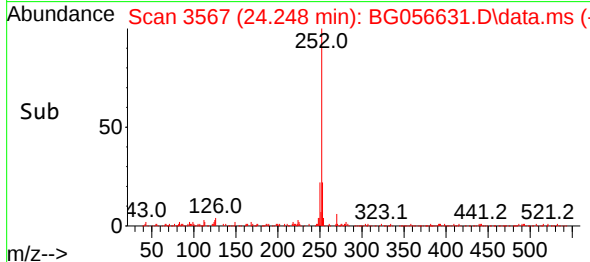
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion:252 Resp: 110123
Ion Ratio Lower Upper
252 100
253 25.8 17.5 26.3
125 7.5 3.4 5.0

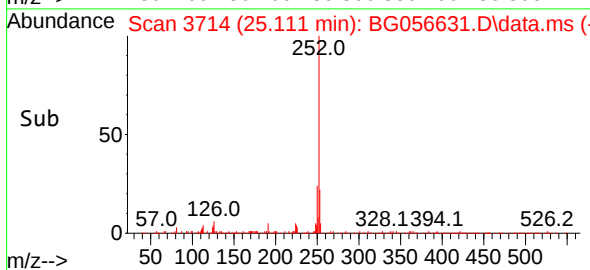
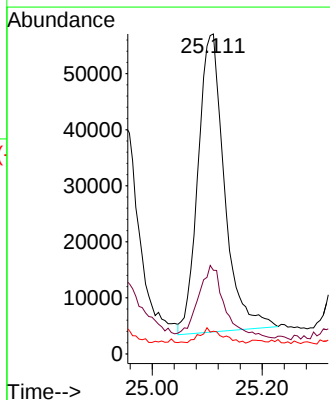
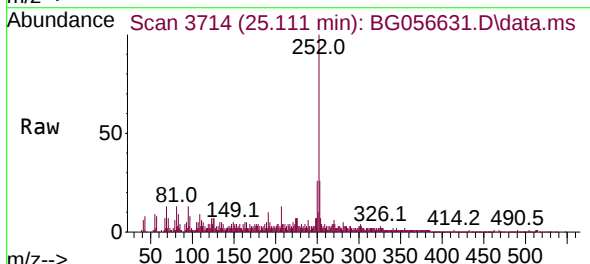
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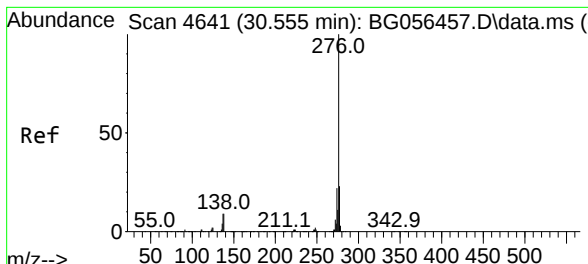
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#90
Benzo(a)pyrene
Concen: 13.355 ng
RT: 25.111 min Scan# 3714
Delta R.T. 0.030 min
Lab File: BG056631.D
Acq: 13 Feb 2023 22:54

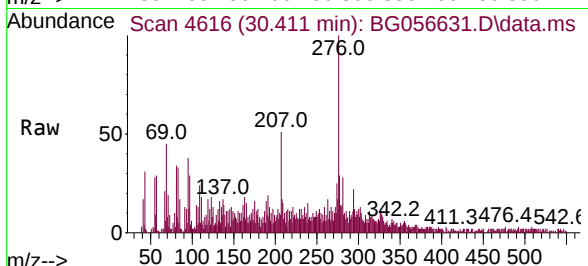
Tgt Ion:252 Resp: 177594
Ion Ratio Lower Upper
252 100
253 26.1 18.4 27.6
125 7.1 4.1 6.1





#92
 Benzo(g,h,i)perylene
 Concen: 5.500 ng
 RT: 30.411 min Scan# 4616
 Delta R.T. 0.059 min
 Lab File: BG056631.D
 Acq: 13 Feb 2023 22:54

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-0-2.0



Tgt Ion:	276	Resp:	7092
Ion Ratio	Lower	Upper	
276	100		
277	29.3	18.5	27.7
138	13.8	7.4	11.0

Manual Integrations
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Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023

