

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
 Data File : BG056414.D
 Acq On : 24 Jan 2023 22:35
 Operator : CG/JU
 Sample : 01232-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-P-19B

Manual Integrations
 APPROVED

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

Quant Time: Jan 25 05:35:53 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	8.288	152	40835	20.000	ng	0.00
21) Naphthalene-d8	11.126	136	164752	20.000	ng	0.00
39) Acenaphthene-d10	14.904	164	126513	20.000	ng	-0.01
64) Phenanthrene-d10	17.642	188	291766	20.000	ng	-0.01
76) Chrysene-d12	21.931	240	274867	20.000	ng	#-0.01
86) Perylene-d12	25.363	264	299958	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.815	112	274911	120.204	ng	0.00
7) Phenol-d6	7.436	99	385596	109.786	ng	0.00
23) Nitrobenzene-d5	9.469	82	203740	63.256	ng	0.00
42) 2,4,6-Tribromophenol	16.391	330	177012	110.476	ng	0.00
45) 2-Fluorobiphenyl	13.535	172	620322	67.709	ng	0.00
79) Terphenyl-d14	20.216	244	1002023	65.292	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.689	178	401119	26.529	ng	98
72) Anthracene	17.777	178	75750	4.857	ng	98
75) Fluoranthene	19.675	202	530636	26.904	ng	98
78) Pyrene	20.039	202	512991	26.479	ng	99
81) Benzo(a)anthracene	21.914	228	255618	13.240	ng	98
83) Chrysene	21.978	228	229200	12.674	ng	98
87) Indeno(1,2,3-cd)pyrene	29.305	276	108970	4.995	ng	# 94
88) Benzo(b)fluoranthene	24.264	252	241770	12.686	ng	# 98
89) Benzo(k)fluoranthene	24.323	252	79238m	4.175	ng	
90) Benzo(a)pyrene	25.198	252	176559	9.498	ng	# 99
92) Benzo(g,h,i)perylene	30.539	276	108986	6.145	ng	# 95

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

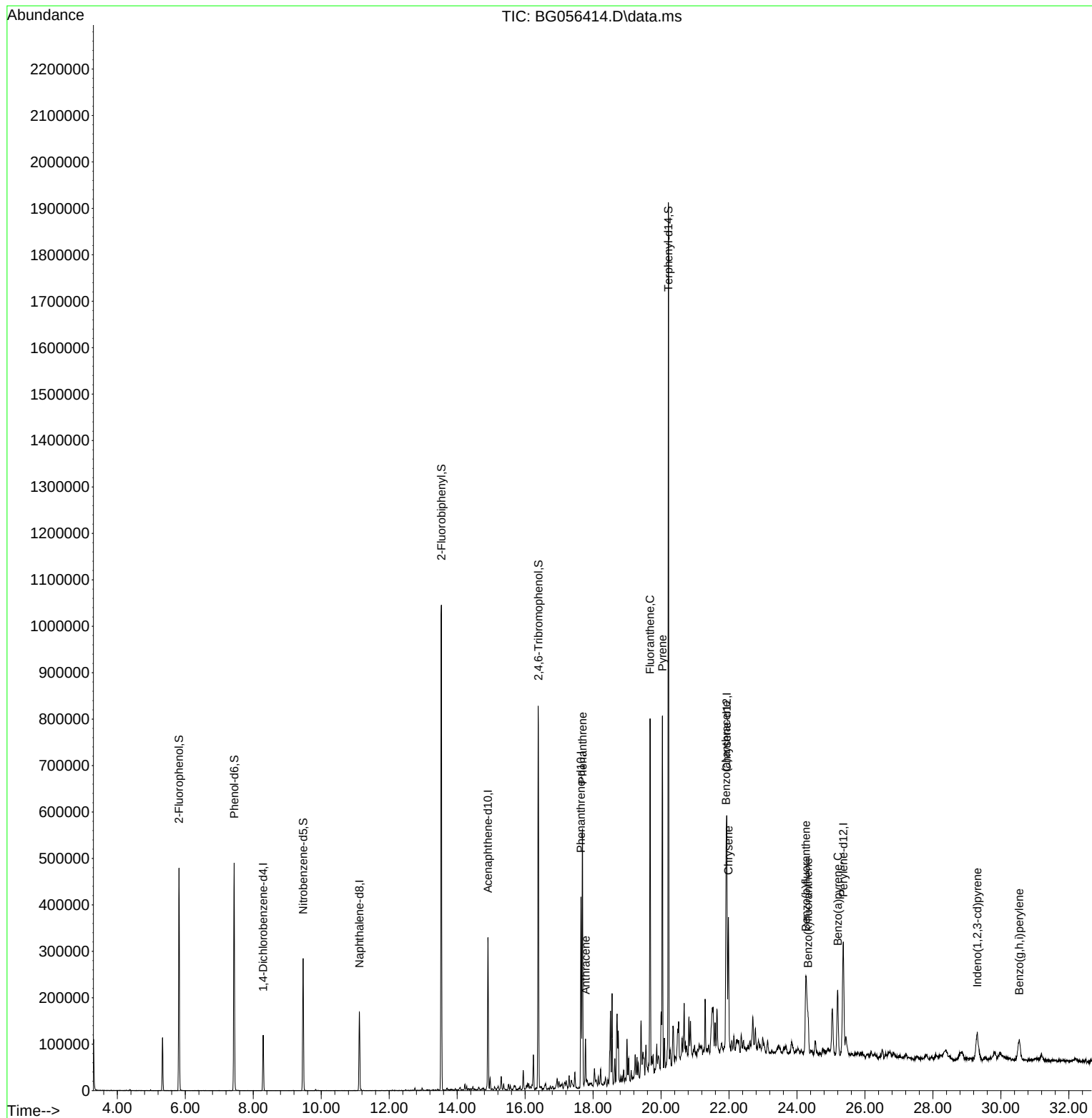
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056414.D
Acq On : 24 Jan 2023 22:35
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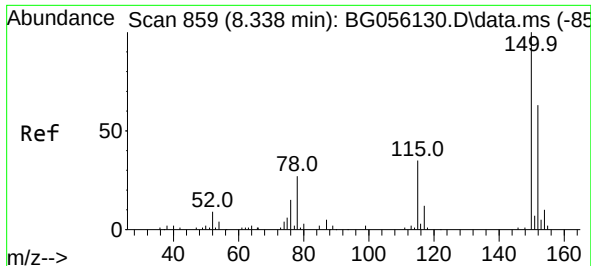
Instrument :
BNA_G
ClientSampleId :
B-P-19B

Quant Time: Jan 25 05:35:53 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
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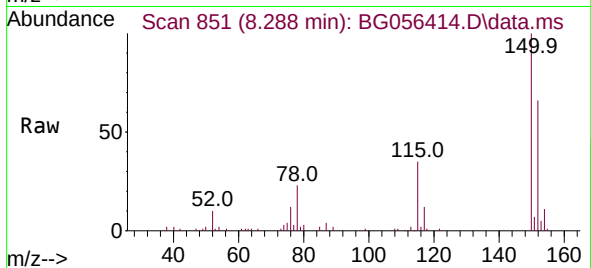
Reviewed By : Christian Giraldo 01/25/2023
Supervised By : Jagrut Upadhyay 01/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.288 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

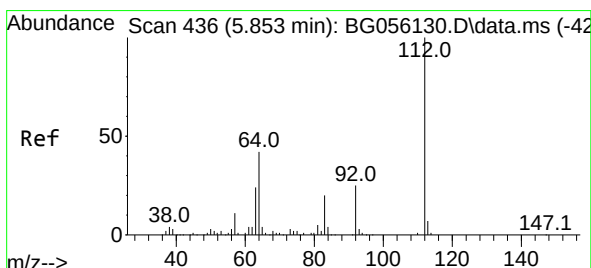
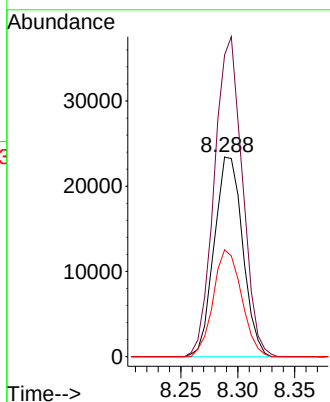
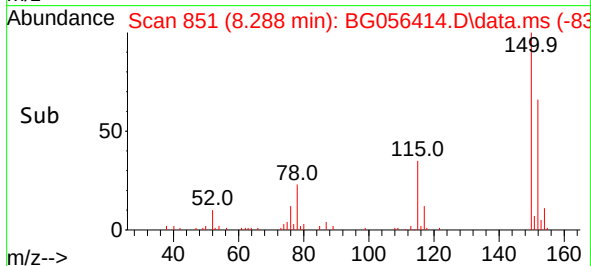
Instrument :
BNA_G
ClientSampleId :
B-P-19B



Tgt Ion:152 Resp: 40835
Ion Ratio Lower Upper
152 100
150 151.2 127.9 191.9
115 53.6 44.2 66.2

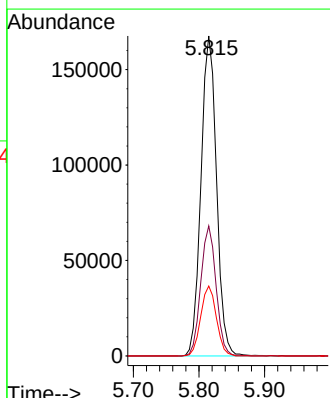
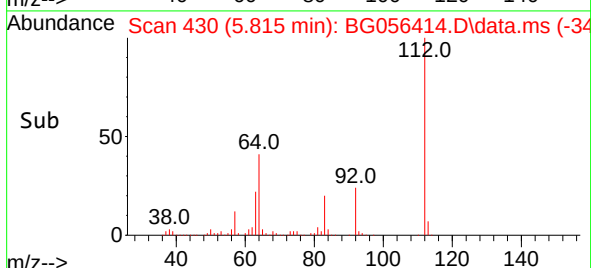
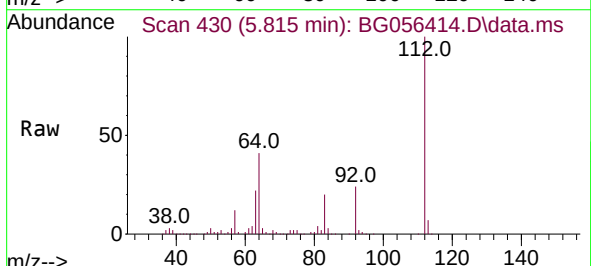
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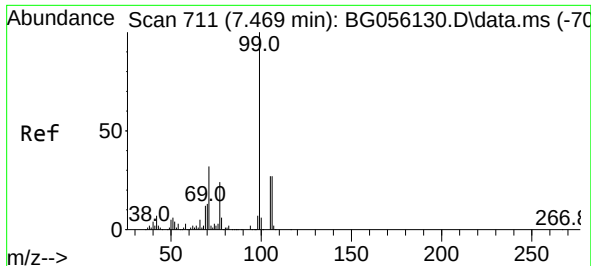
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#5
2-Fluorophenol
Concen: 120.204 ng
RT: 5.815 min Scan# 430
Delta R.T. 0.001 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

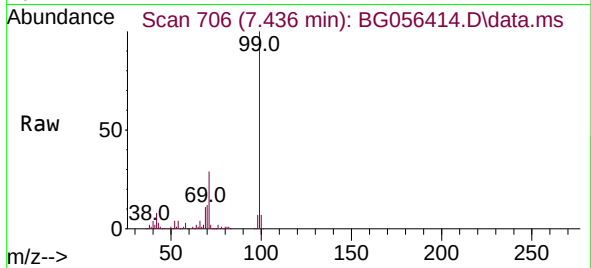
Tgt Ion:112 Resp: 274911
Ion Ratio Lower Upper
112 100
64 40.6 33.3 49.9
63 21.8 19.0 28.4





#7
Phenol-d6
Concen: 109.786 ng
RT: 7.436 min Scan# 70
Delta R.T. 0.001 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

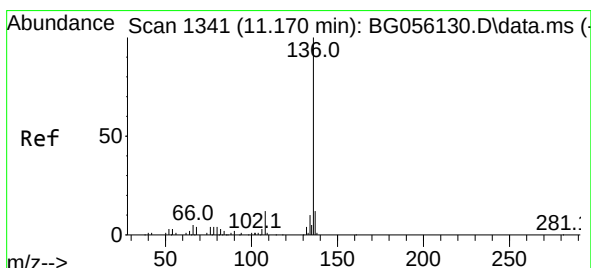
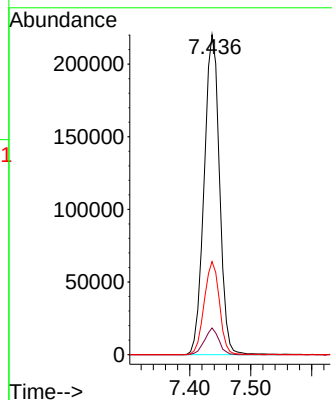
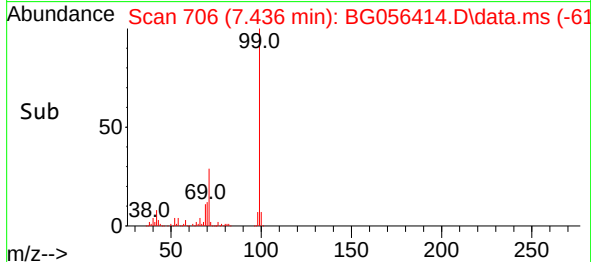
Instrument :
BNA_G
ClientSampleId :
B-P-19B



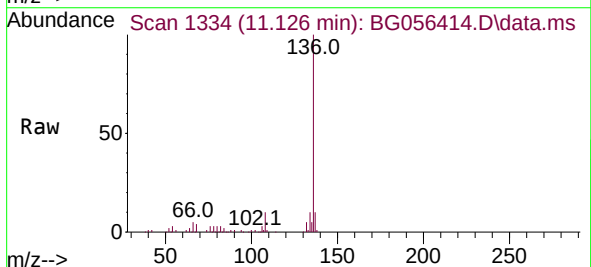
Tgt Ion: 99 Resp: 385596
Ion Ratio Lower Upper
99 100
42 8.3 5.9 8.9
71 29.1 25.4 38.2

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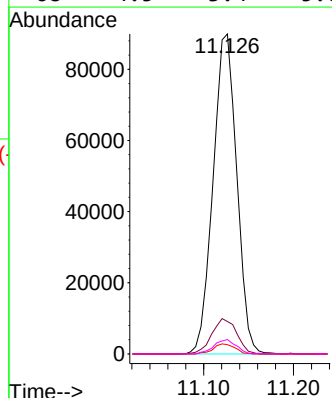
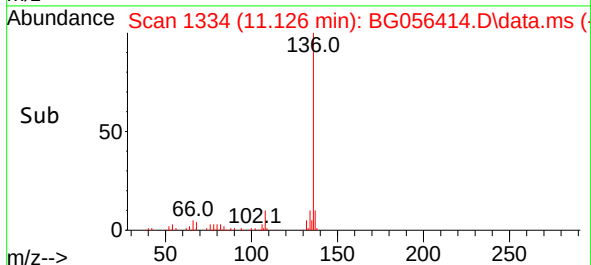
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

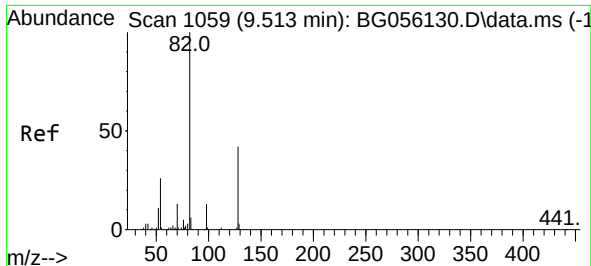


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.126 min Scan# 1334
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35



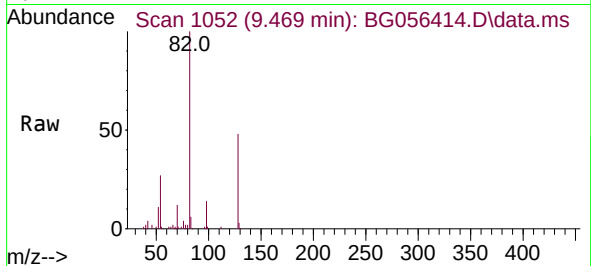
Tgt Ion:136 Resp: 164752
Ion Ratio Lower Upper
136 100
137 10.2 9.4 14.0
54 2.9 2.2 3.2
68 4.5 3.4 5.0





#23
Nitrobenzene-d5
Concen: 63.256 ng
RT: 9.469 min Scan# 1052
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

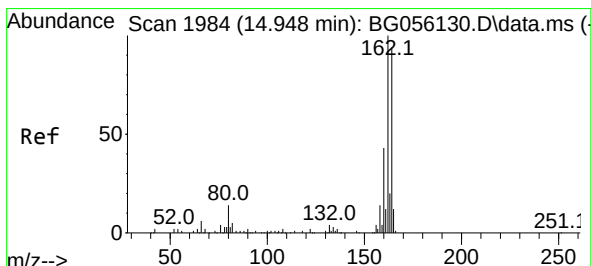
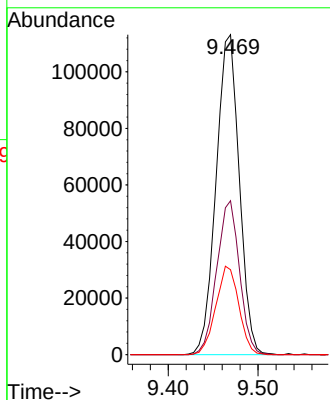
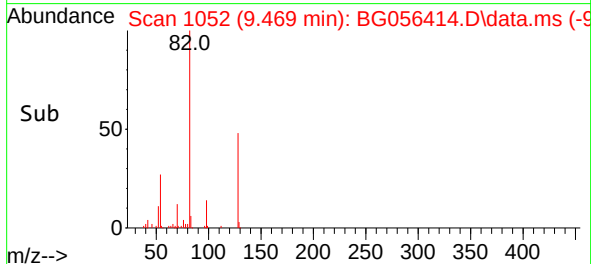
Instrument :
BNA_G
ClientSampleId :
B-P-19B



Tgt Ion: 82 Resp: 203740
Ion Ratio Lower Upper
82 100
128 48.1 33.4 50.2
54 26.5 20.3 30.5

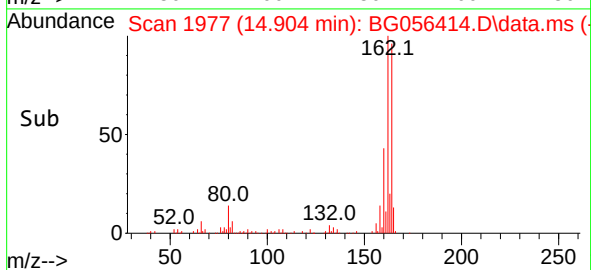
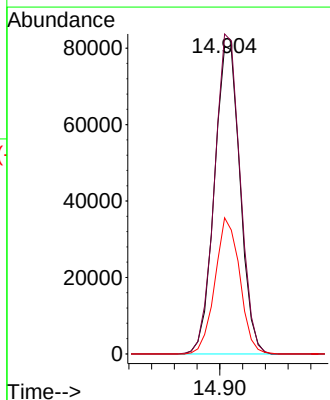
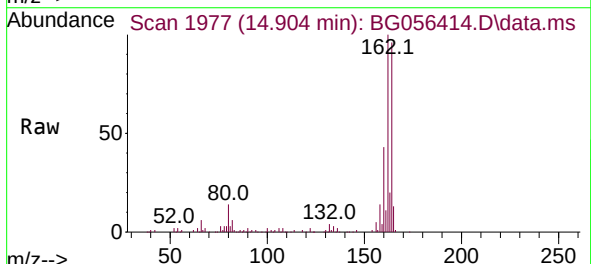
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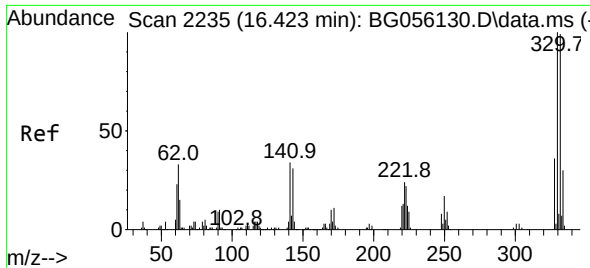
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.904 min Scan# 1977
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Tgt Ion:164 Resp: 126513
Ion Ratio Lower Upper
164 100
162 104.1 84.7 127.1
160 44.3 36.3 54.5





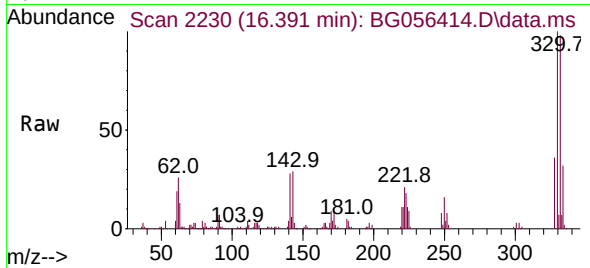
#42
 2,4,6-Tribromophenol
 Concen: 110.476 ng
 RT: 16.391 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056414.D
 Acq: 24 Jan 2023 22:35

Instrument :

BNA_G

ClientSampleId :

B-P-19B

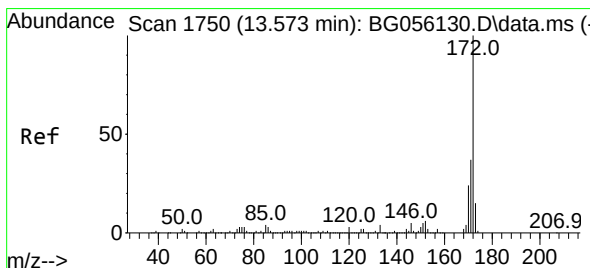
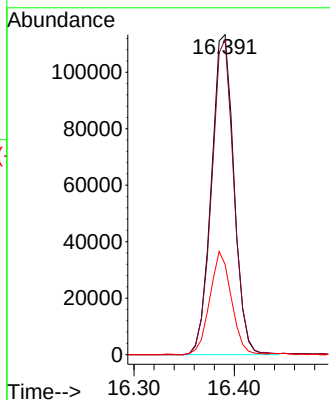
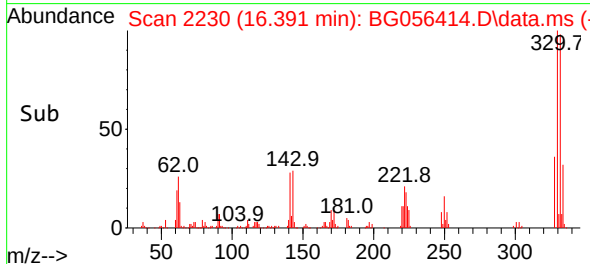


Tgt Ion:330 Resp: 177012
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.3 115.9
 141 30.8 27.9 41.9

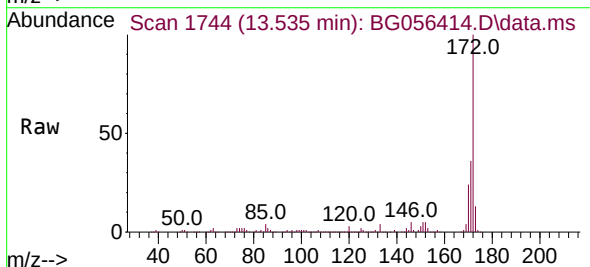
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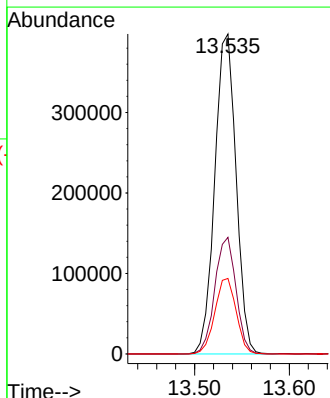
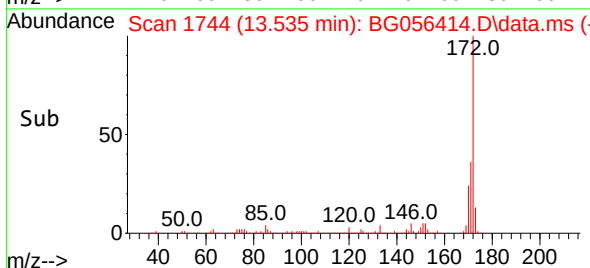
Reviewed By :Christian Giraldo 01/25/2023
 Supervised By :Jagrut Upadhyay 01/25/2023

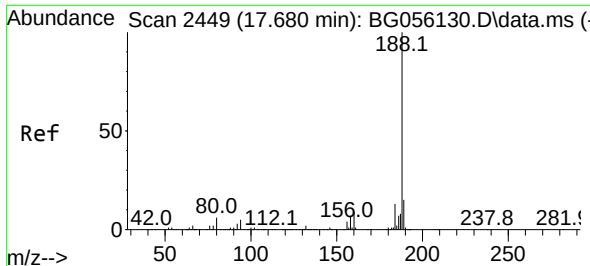


#45
 2-Fluorobiphenyl
 Concen: 67.709 ng
 RT: 13.535 min Scan# 1744
 Delta R.T. -0.005 min
 Lab File: BG056414.D
 Acq: 24 Jan 2023 22:35



Tgt Ion:172 Resp: 620322
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.6 19.4 29.2





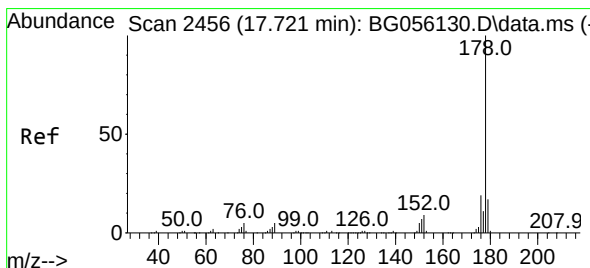
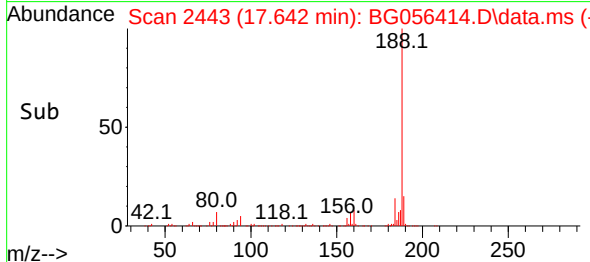
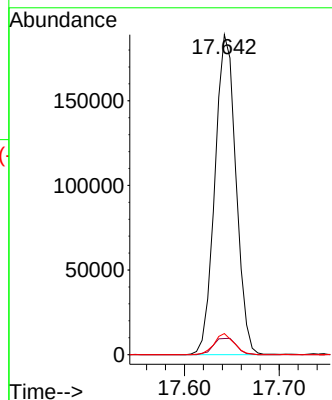
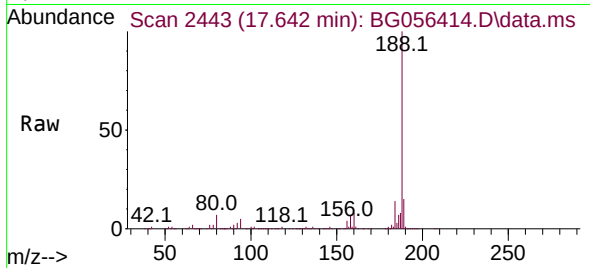
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.642 min Scan# 2443
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Instrument :
BNA_G
ClientSampleId :
B-P-19B

Tgt Ion:188 Resp: 291766
Ion Ratio Lower Upper
188 100
94 5.0 4.2 6.2
80 6.6 5.0 7.4

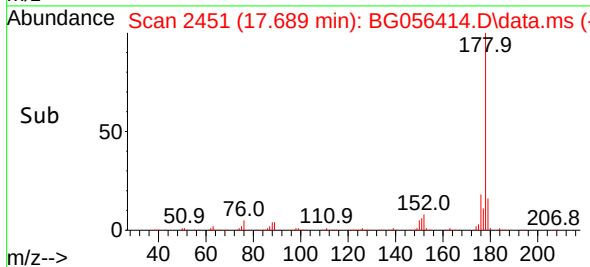
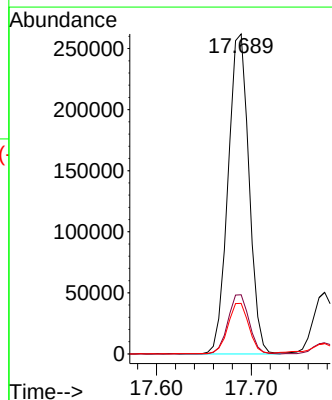
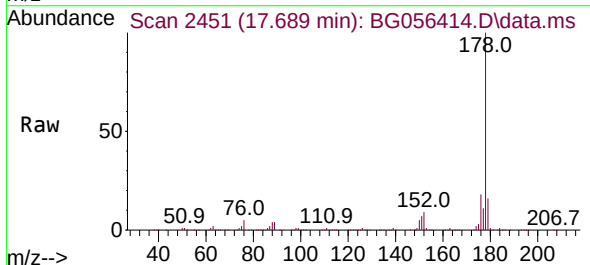
Manual Integrations
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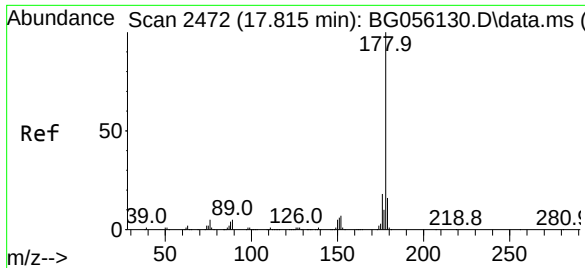
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#71
Phenanthrene
Concen: 26.529 ng
RT: 17.689 min Scan# 2451
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

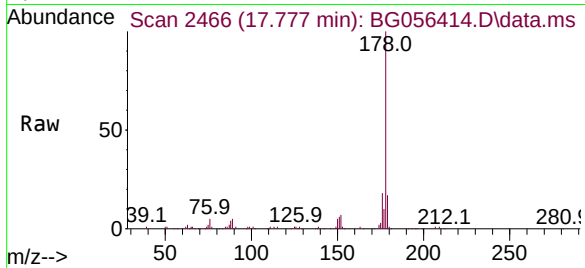
Tgt Ion:178 Resp: 401119
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.8 13.6 20.4





#72
 Anthracene
 Concen: 4.857 ng
 RT: 17.777 min Scan# 2472
 Delta R.T. -0.011 min
 Lab File: BG056414.D
 Acq: 24 Jan 2023 22:35

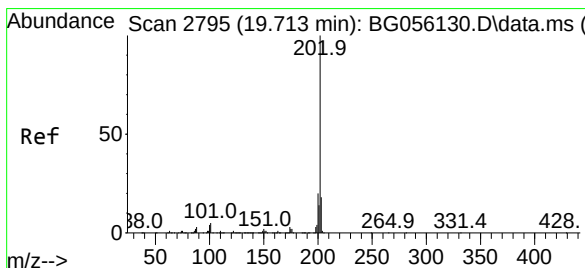
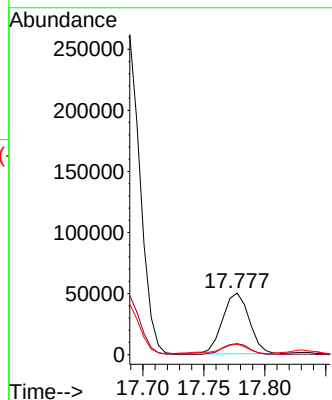
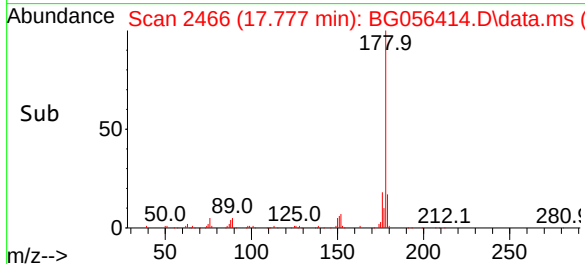
Instrument :
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 ClientSampleId :
 B-P-19B



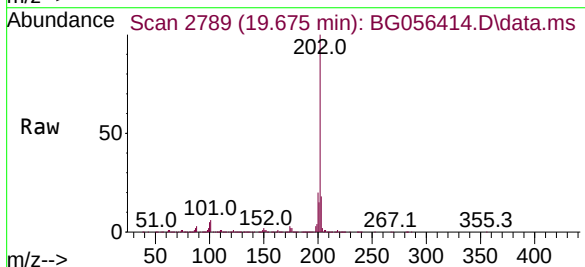
Tgt Ion:178 Resp: 75750
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.6 22.0
 179 16.9 12.7 19.1

Manual Integrations
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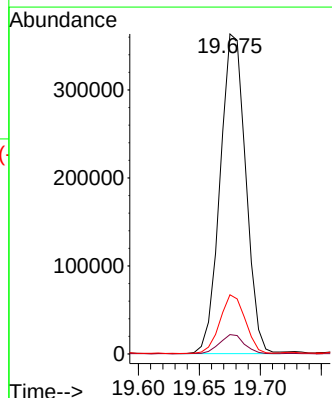
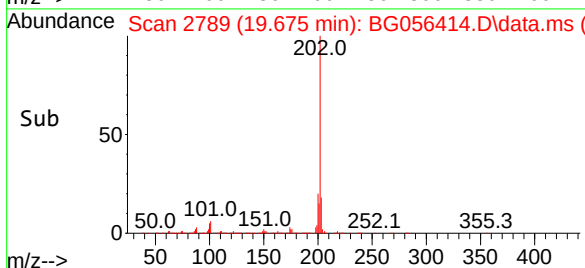
Reviewed By :Christian Giraldo 01/25/2023
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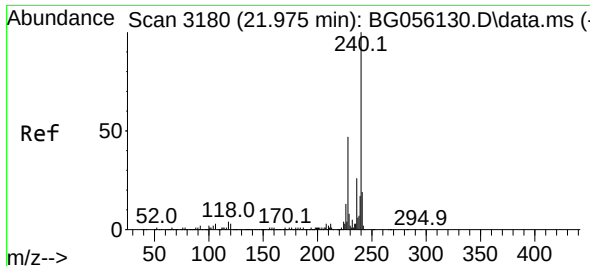


#75
 Fluoranthene
 Concen: 26.904 ng
 RT: 19.675 min Scan# 2789
 Delta R.T. -0.011 min
 Lab File: BG056414.D
 Acq: 24 Jan 2023 22:35



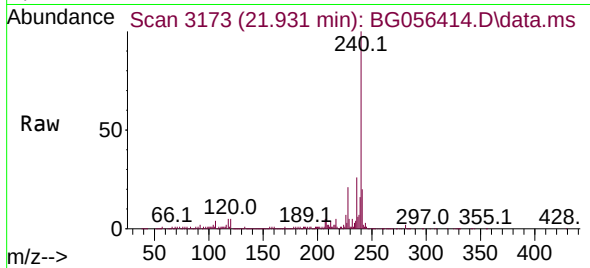
Tgt Ion:202 Resp: 530636
 Ion Ratio Lower Upper
 202 100
 101 6.0 0.0 25.0
 203 18.5 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.931 min Scan# 3180
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

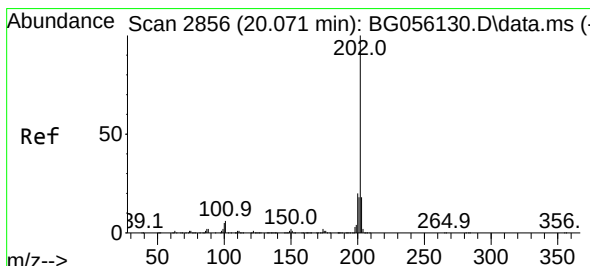
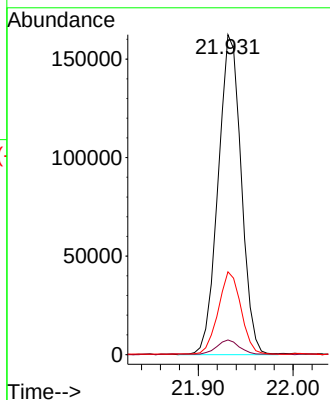
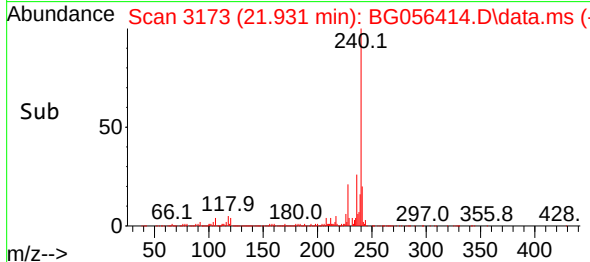
Instrument :
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ClientSampleId :
B-P-19B



Tgt Ion:240 Resp: 274862
Ion Ratio Lower Upper
240 100
120 4.6 2.6 4.0
236 25.9 20.8 31.2

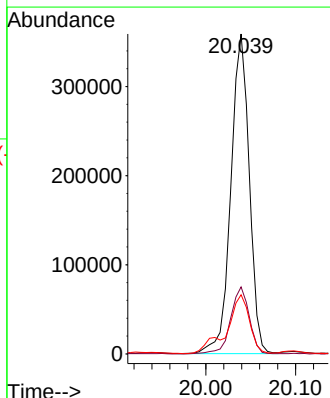
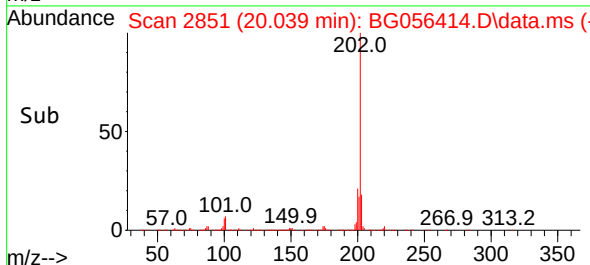
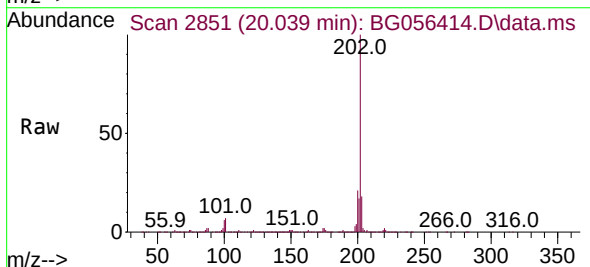
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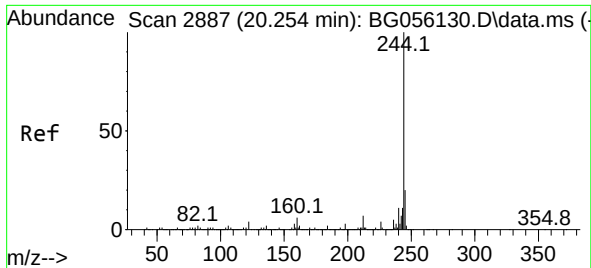
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#78
Pyrene
Concen: 26.479 ng
RT: 20.039 min Scan# 2851
Delta R.T. -0.005 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

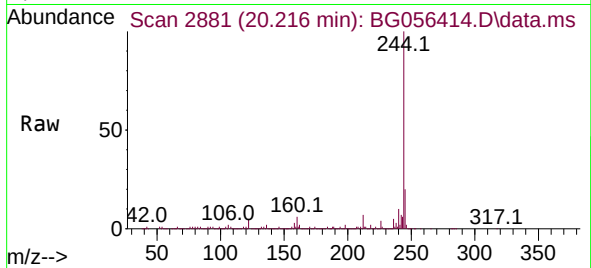
Tgt Ion:202 Resp: 512991
Ion Ratio Lower Upper
202 100
200 20.9 16.4 24.6
203 18.5 14.3 21.5





#79
Terphenyl-d14
Concen: 65.292 ng
RT: 20.216 min Scan# 2881
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

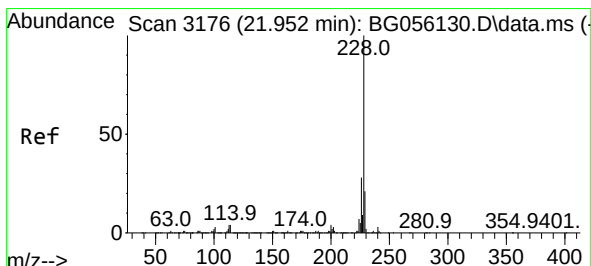
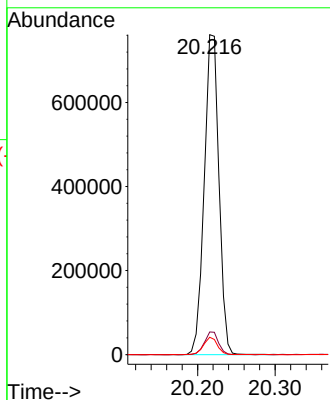
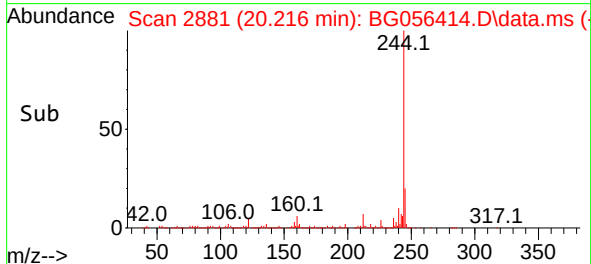
Instrument :
BNA_G
ClientSampleId :
B-P-19B



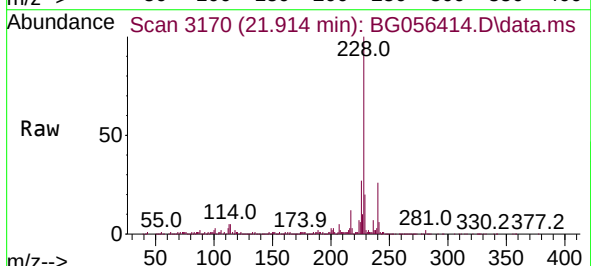
Tgt Ion:244 Resp: 1002023
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 5.4 3.5 5.3

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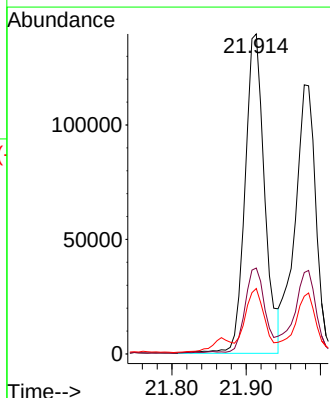
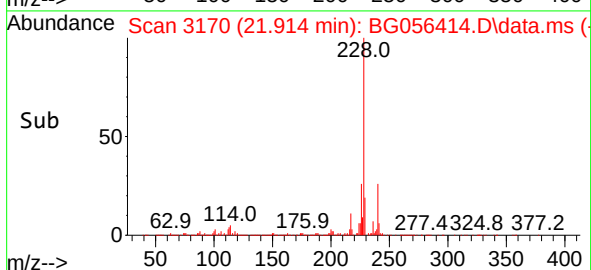
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

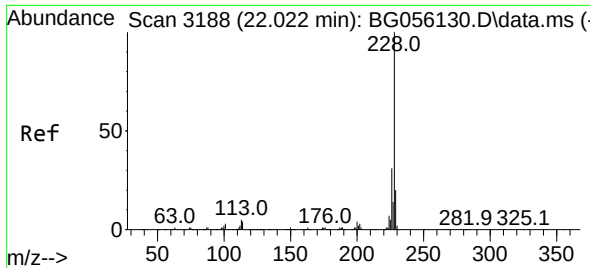


#81
Benzo(a)anthracene
Concen: 13.240 ng
RT: 21.914 min Scan# 3170
Delta R.T. -0.011 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35



Tgt Ion:228 Resp: 255618
Ion Ratio Lower Upper
228 100
226 26.8 22.6 34.0
229 20.4 16.9 25.3





#83

Chrysene

Concen: 12.674 ng

RT: 21.978 min Scan# 3188

Delta R.T. -0.017 min

Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

Instrument :

BNA_G

ClientSampleId :

B-P-19B

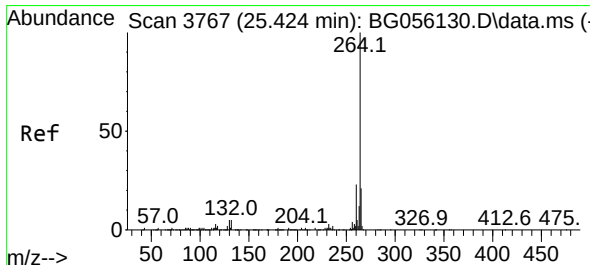
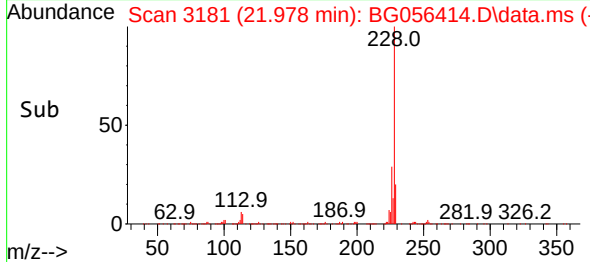
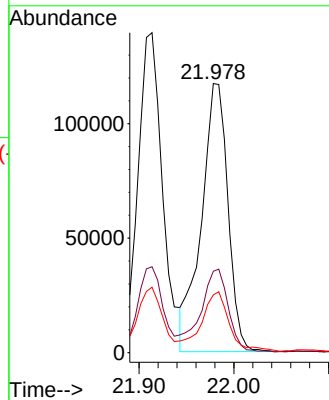
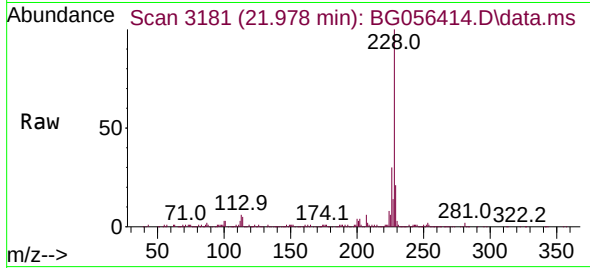
Tgt Ion:228 Resp: 229200

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	36.8
229	21.4	15.8	23.6

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.363 min Scan# 3757

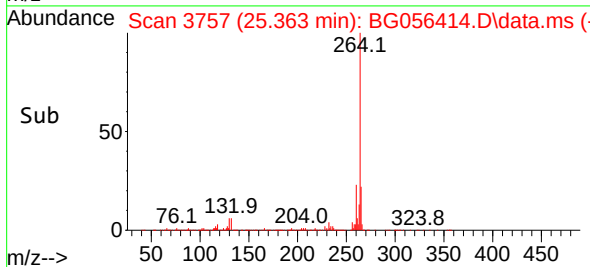
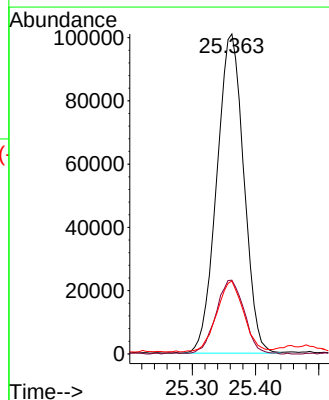
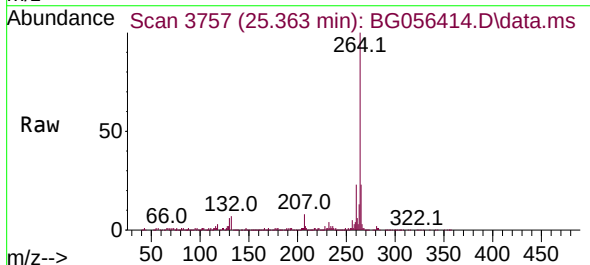
Delta R.T. -0.011 min

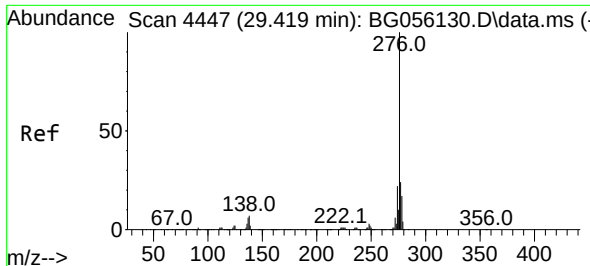
Lab File: BG056414.D

Acq: 24 Jan 2023 22:35

Tgt Ion:264 Resp: 299958

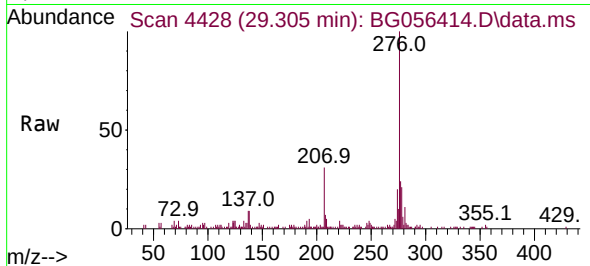
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	22.8	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.995 ng
RT: 29.305 min Scan# 4447
Delta R.T. -0.028 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

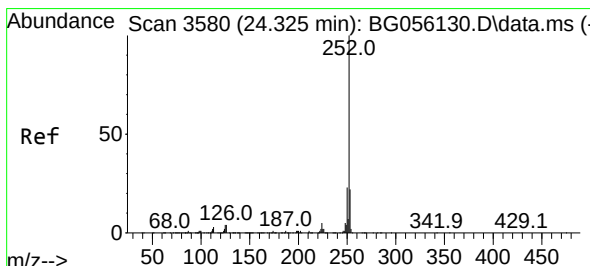
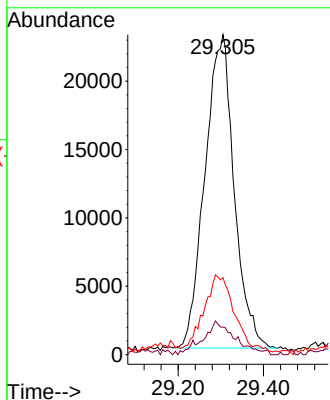
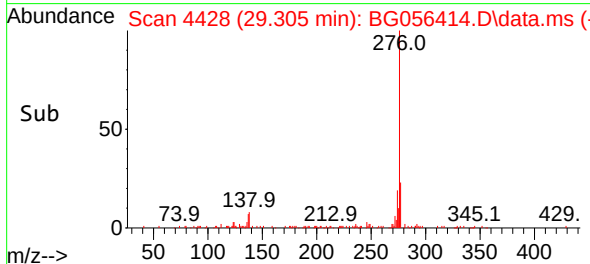
Instrument :
BNA_G
ClientSampleId :
B-P-19B



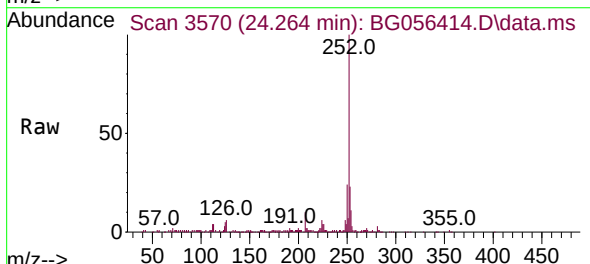
Tgt Ion:276 Resp: 108970
Ion Ratio Lower Upper
276 100
138 8.2 5.0 7.4#
277 22.8 20.5 30.7

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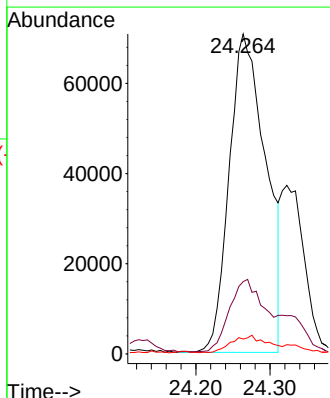
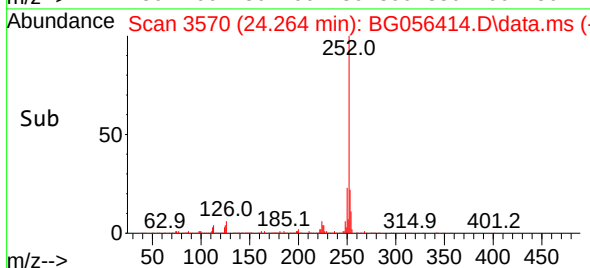
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

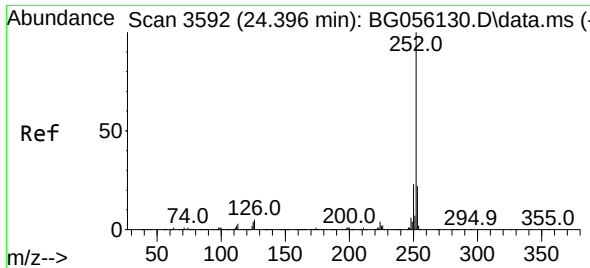


#88
Benzo(b)fluoranthene
Concen: 12.686 ng
RT: 24.264 min Scan# 3570
Delta R.T. -0.017 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35



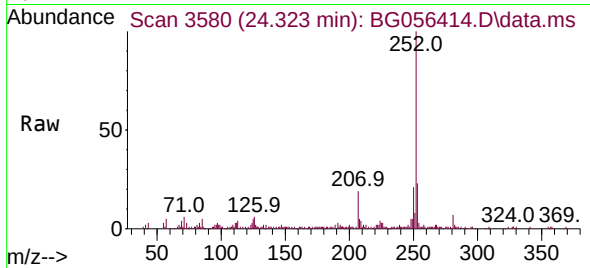
Tgt Ion:252 Resp: 241770
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 4.6 3.0 4.4#





#89
Benzo(k)fluoranthene
Concen: 4.175 ng m
RT: 24.323 min Scan# 3580
Delta R.T. -0.028 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

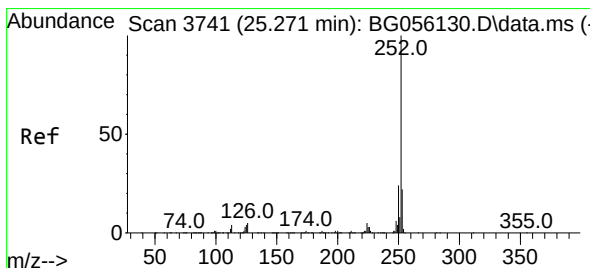
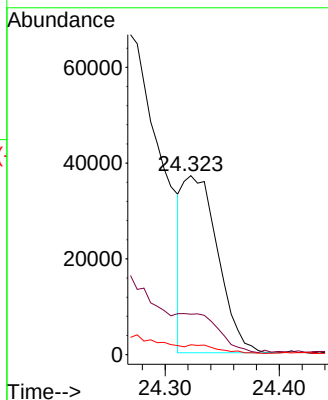
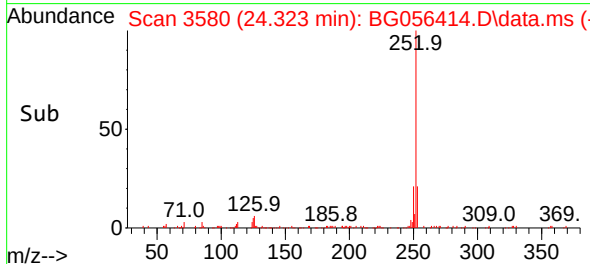
Instrument :
BNA_G
ClientSampleId :
B-P-19B



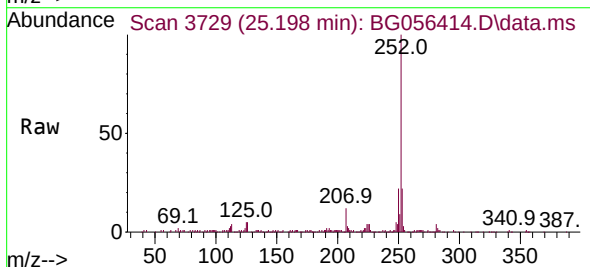
Tgt Ion:252 Resp: 79238
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 5.5 3.4 5.0

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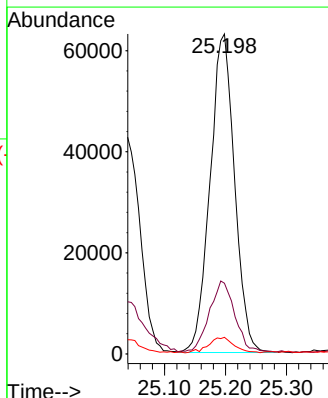
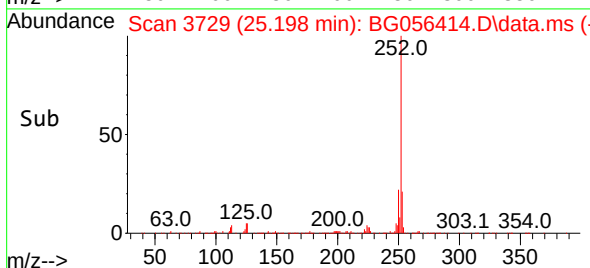
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

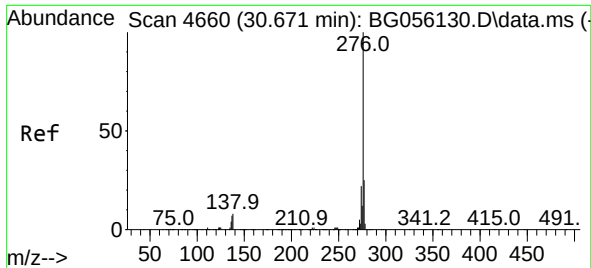


#90
Benzo(a)pyrene
Concen: 9.498 ng
RT: 25.198 min Scan# 3729
Delta R.T. -0.017 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35



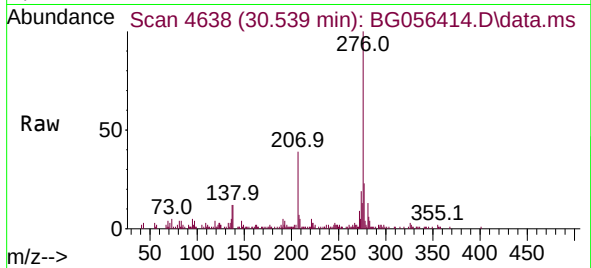
Tgt Ion:252 Resp: 176559
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 5.2 3.2 4.8





#92
Benzo(g,h,i)perylene
Concen: 6.145 ng
RT: 30.539 min Scan# 4638
Delta R.T. -0.034 min
Lab File: BG056414.D
Acq: 24 Jan 2023 22:35

Instrument :
BNA_G
ClientSampleId :
B-P-19B



Tgt Ion:276 Resp: 108986
Ion Ratio Lower Upper
276 100
277 23.0 19.7 29.5
138 11.9 6.7 10.1

Manual Integrations
APPROVED

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

