

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010323\
 Data File : BG056195.D
 Acq On : 3 Jan 2023 21:07
 Operator : CG/JU
 Sample : N6244-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-13

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023

Quant Time: Jan 04 02:16:11 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 04 02:08:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.347	152	62506	20.000	ng	0.00
21) Naphthalene-d8	11.173	136	232012	20.000	ng	0.00
39) Acenaphthene-d10	14.945	164	174186	20.000	ng	0.00
64) Phenanthrene-d10	17.683	188	402541	20.000	ng	0.00
76) Chrysene-d12	21.983	240	366650	20.000	ng	0.00
86) Perylene-d12	25.450	264	394707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	282396	80.667	ng	0.01
7) Phenol-d6	7.477	99	399957	74.394	ng	0.00
23) Nitrobenzene-d5	9.510	82	224053	49.397	ng	0.00
42) 2,4,6-Tribromophenol	16.425	330	153877	69.753	ng	0.00
45) 2-Fluorobiphenyl	13.576	172	660674	52.376	ng	0.00
79) Terphenyl-d14	20.256	244	1005947	49.140	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.724	178	112474	5.392	ng	98
75) Fluoranthene	19.716	202	279830	10.284	ng	99
78) Pyrene	20.074	202	247554	9.579	ng	99
81) Benzo(a)anthracene	21.966	228	157887	6.131	ng	98
83) Chrysene	22.036	228	133403	5.530	ng	97
87) Indeno(1,2,3-cd)pyrene	29.428	276	90646	3.158	ng	# 91
88) Benzo(b)fluoranthene	24.340	252	184568	7.360	ng	95
89) Benzo(k)fluoranthene	24.404	252	57405m	2.299	ng	
90) Benzo(a)pyrene	25.280	252	134672	5.506	ng	99
92) Benzo(g,h,i)perylene	30.679	276	86401	3.702	ng	97

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

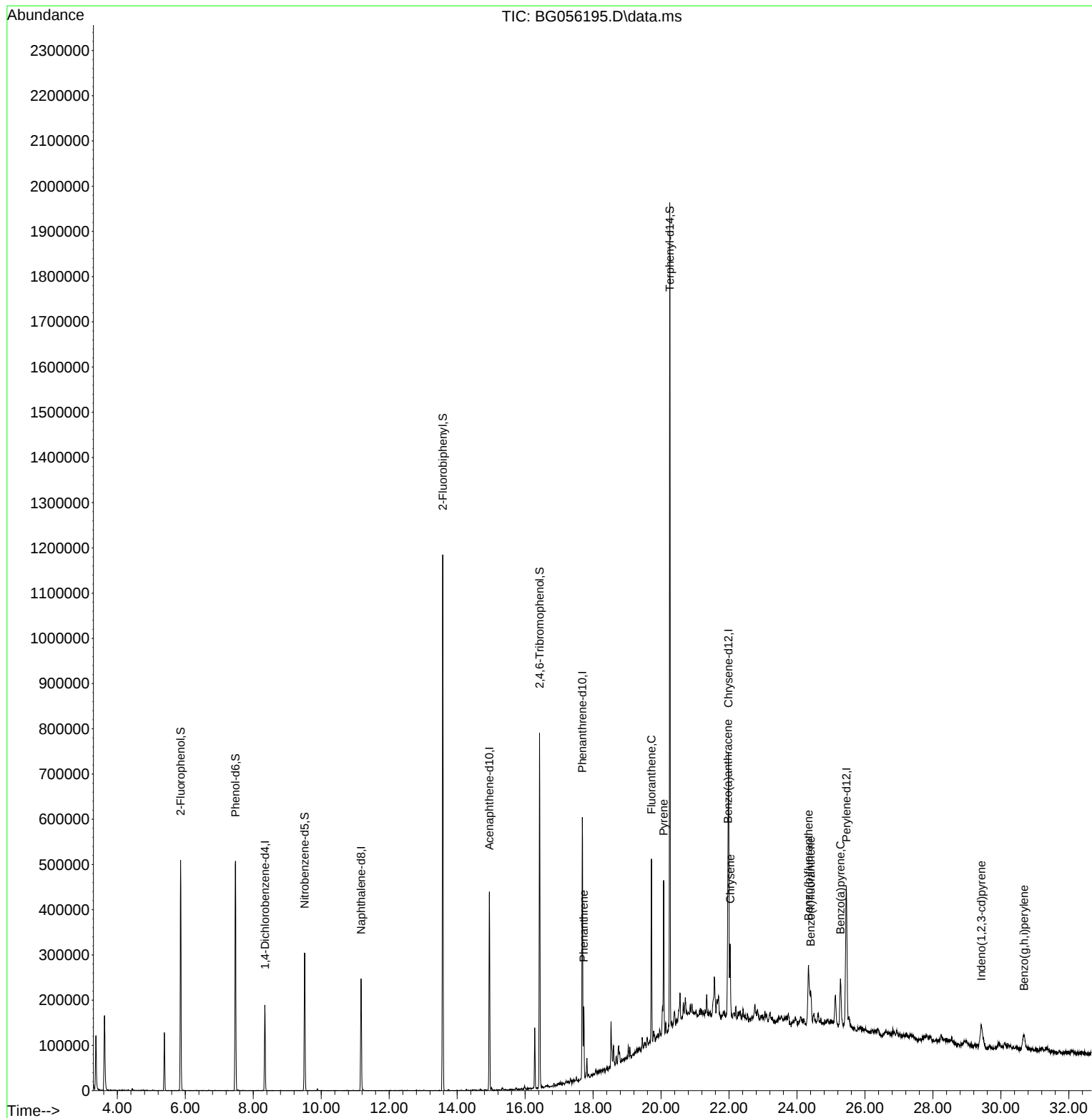
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010323\
Data File : BG056195.D
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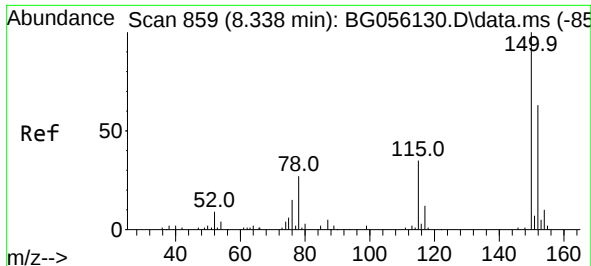
Instrument :
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ClientSampleId :
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Quant Time: Jan 04 02:16:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
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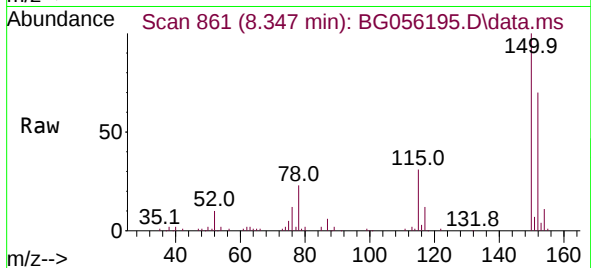
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.347 min Scan# 80
Delta R.T. 0.009 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

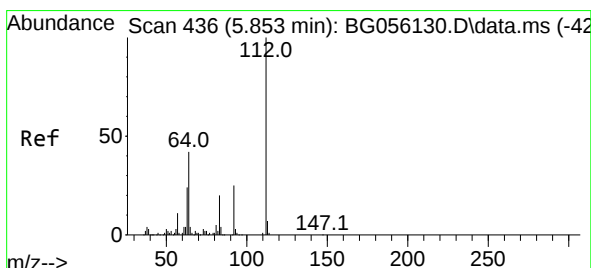
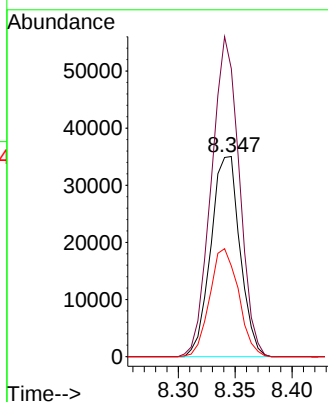
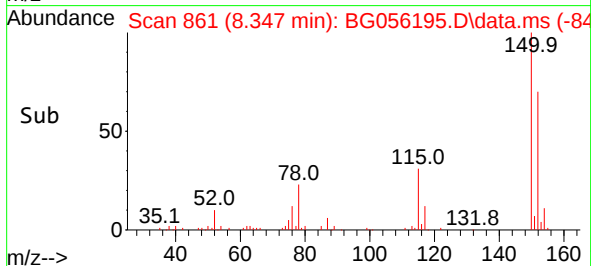
Instrument :
BNA_G
ClientSampleId :
PE-13



Tgt Ion:152 Resp: 62500
Ion Ratio Lower Upper
152 100
150 143.9 127.9 191.9
115 45.3 44.2 66.2

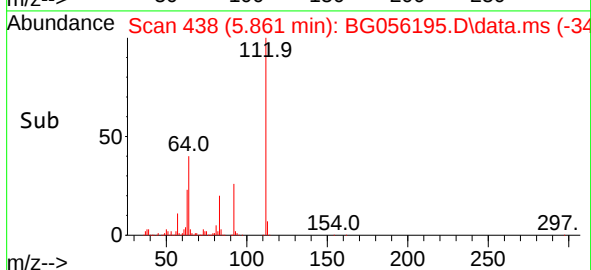
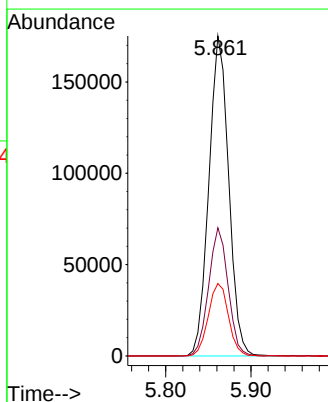
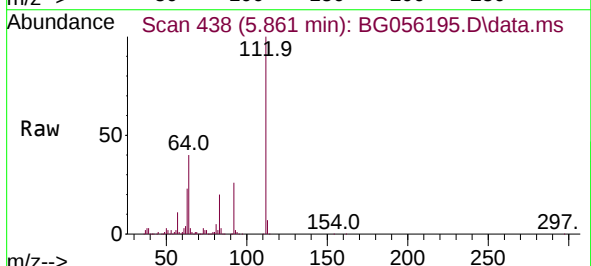
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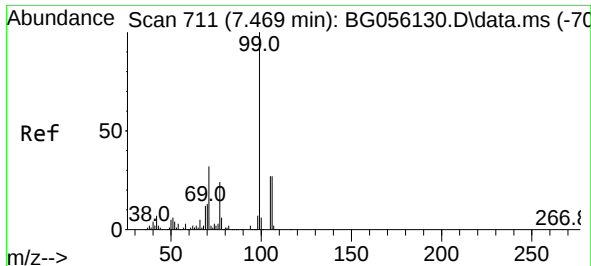
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#5
2-Fluorophenol
Concen: 80.667 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.014 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

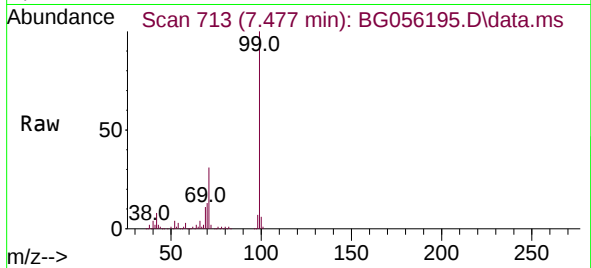
Tgt Ion:112 Resp: 282396
Ion Ratio Lower Upper
112 100
64 40.0 33.3 49.9
63 22.6 19.0 28.4





#7
Phenol-d6
Concen: 74.394 ng
RT: 7.477 min Scan# 711
Delta R.T. 0.008 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

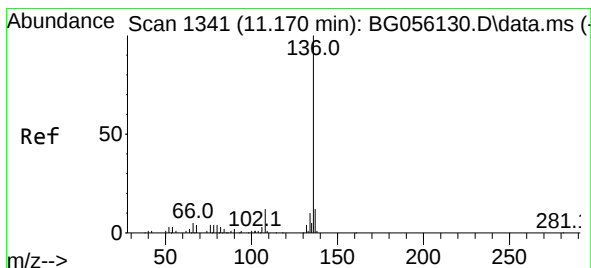
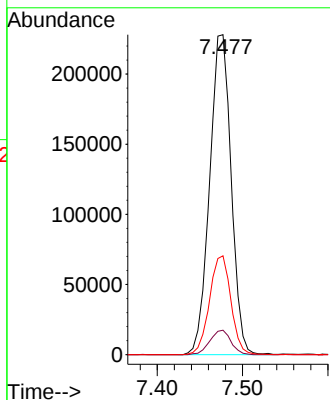
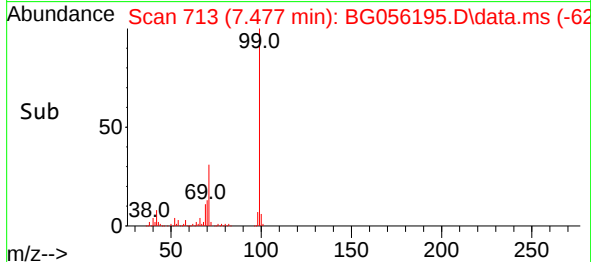
Instrument :
BNA_G
ClientSampleId :
PE-13



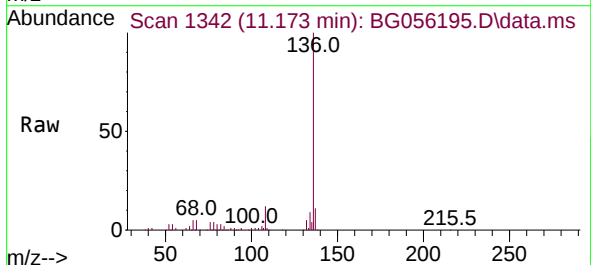
Tgt Ion: 99 Resp: 399952
Ion Ratio Lower Upper
99 100
42 7.6 5.9 8.9
71 30.9 25.4 38.2

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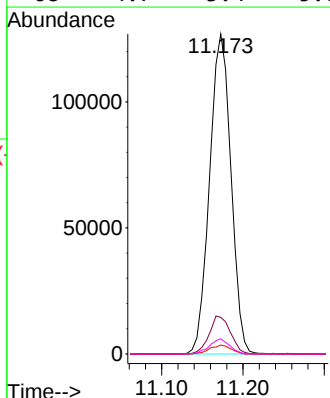
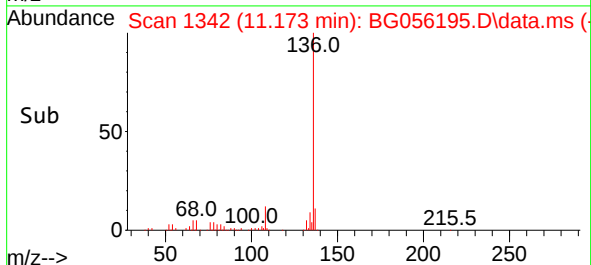
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023

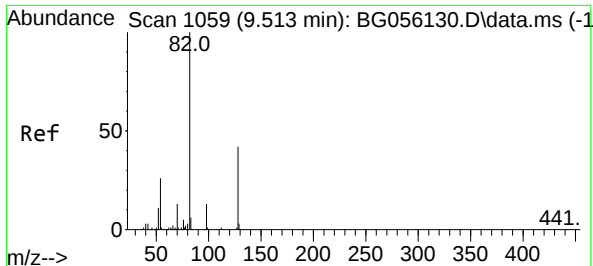


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.173 min Scan# 1342
Delta R.T. 0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07



Tgt Ion:136 Resp: 232012
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.0
54 2.8 2.2 3.2
68 4.7 3.4 5.0





#23

Nitrobenzene-d5

Concen: 49.397 ng

RT: 9.510 min Scan# 1059

Delta R.T. 0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

Instrument :

BNL_G

ClientSampleId :

PE-13

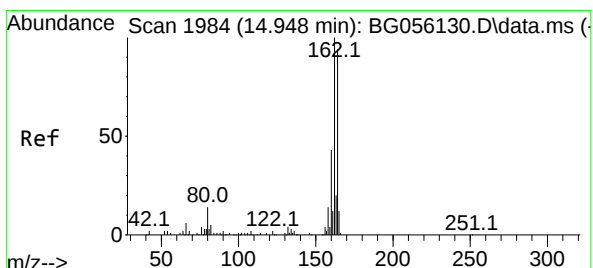
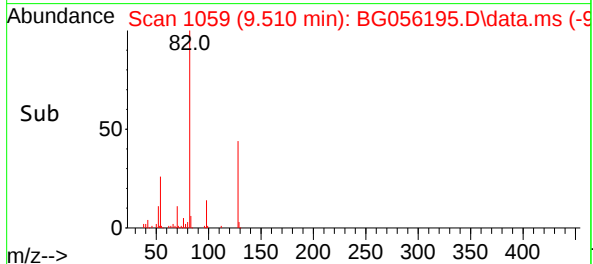
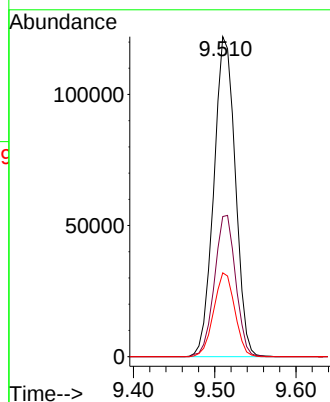
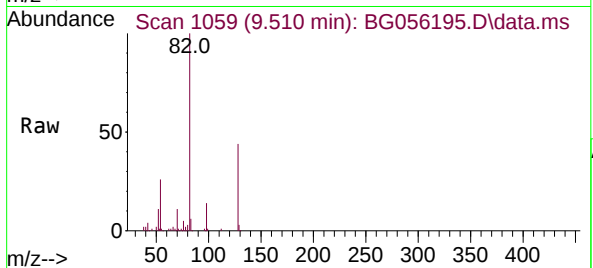
Tgt Ion: 82 Resp: 224053

Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.4	50.2
54	26.2	20.3	30.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.945 min Scan# 1984

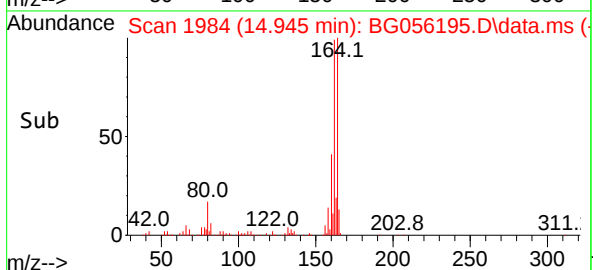
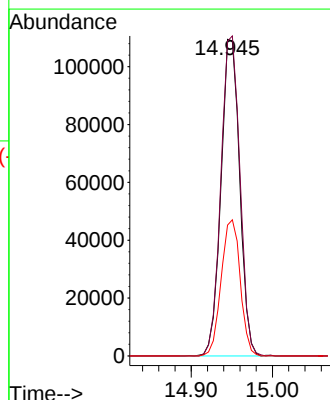
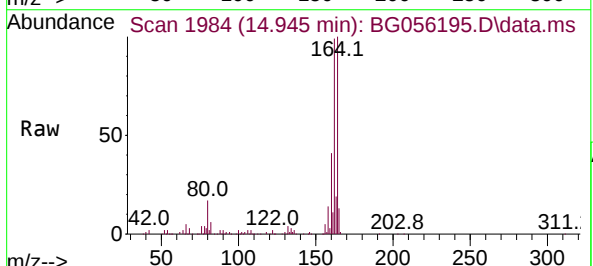
Delta R.T. -0.003 min

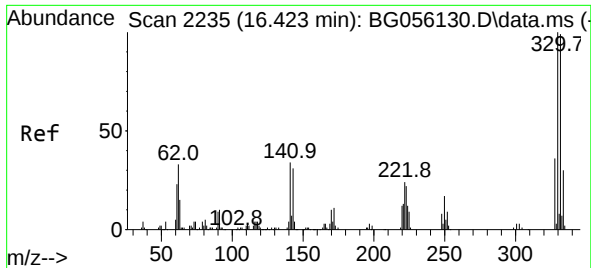
Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

Tgt Ion:164 Resp: 174186

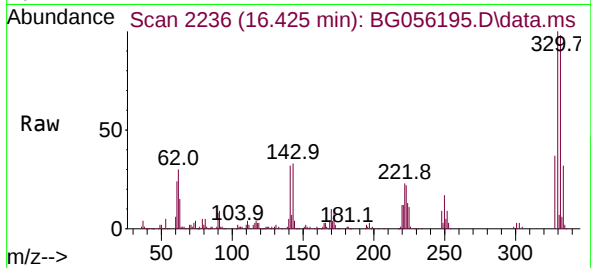
Ion	Ratio	Lower	Upper
164	100		
162	99.4	84.7	127.1
160	41.3	36.3	54.5





#42
2,4,6-Tribromophenol
Concen: 69.753 ng
RT: 16.425 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

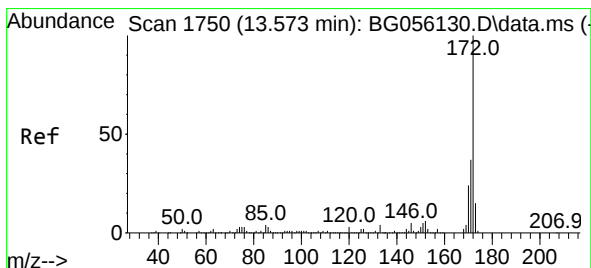
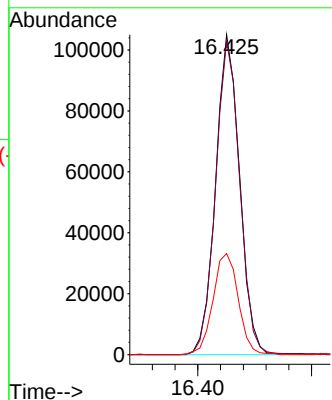
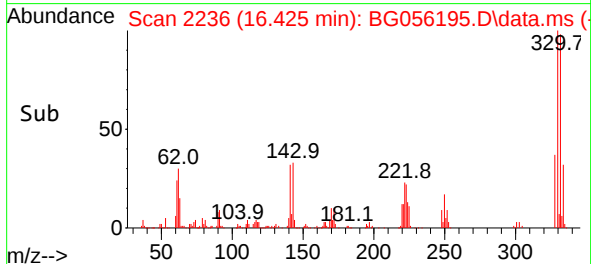
Instrument :
BNA_G
ClientSampleId :
PE-13



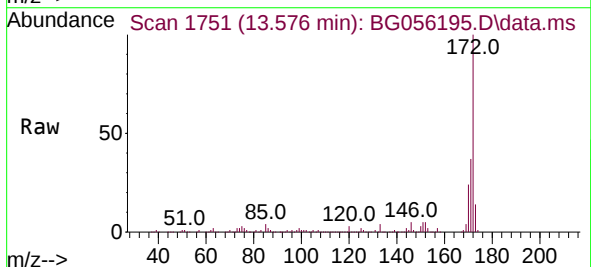
Tgt Ion:330 Resp: 153872
Ion Ratio Lower Upper
330 100
332 98.8 77.3 115.9
141 33.3 27.9 41.9

Manual Integrations
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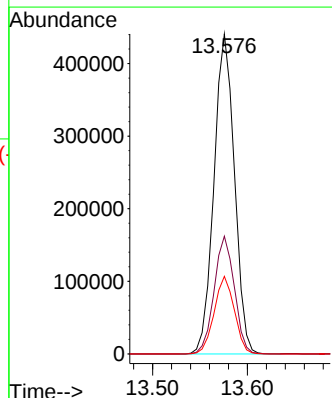
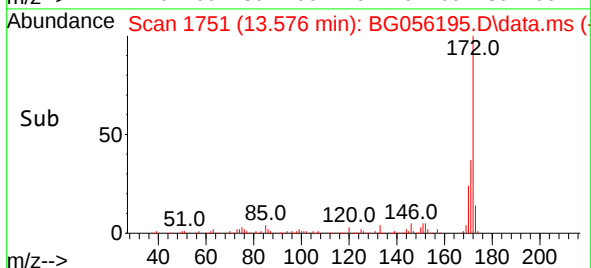
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023

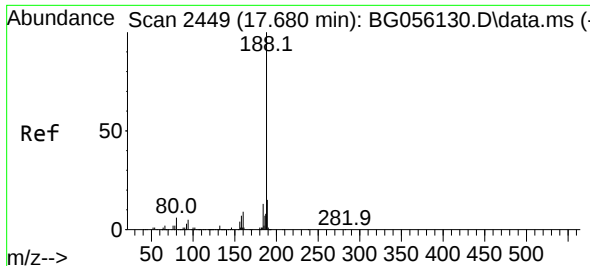


#45
2-Fluorobiphenyl
Concen: 52.376 ng
RT: 13.576 min Scan# 1751
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07



Tgt Ion:172 Resp: 660674
Ion Ratio Lower Upper
172 100
171 36.8 29.6 44.4
170 24.2 19.4 29.2





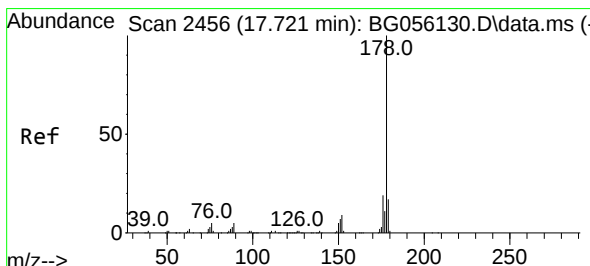
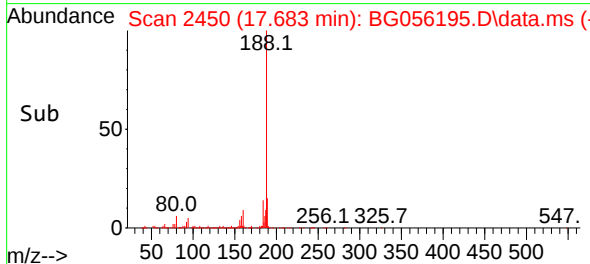
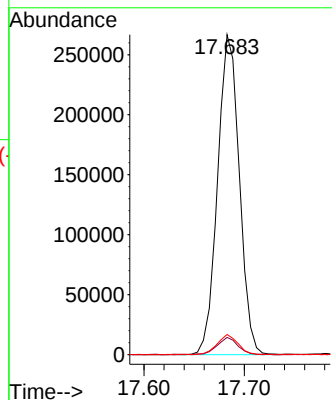
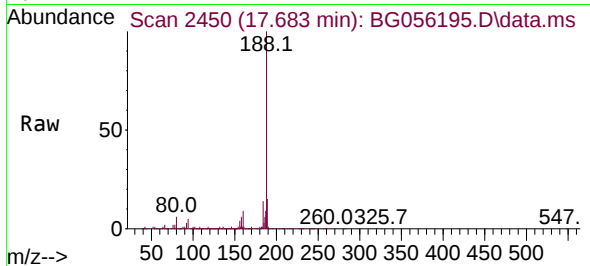
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.683 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Instrument :
BNA_G
ClientSampleId :
PE-13

Tgt Ion:188 Resp: 402541
Ion Ratio Lower Upper
188 100
94 5.4 4.2 6.2
80 6.3 5.0 7.4

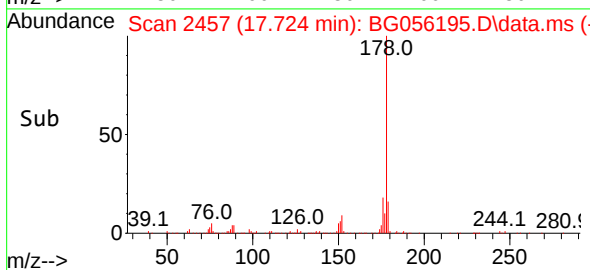
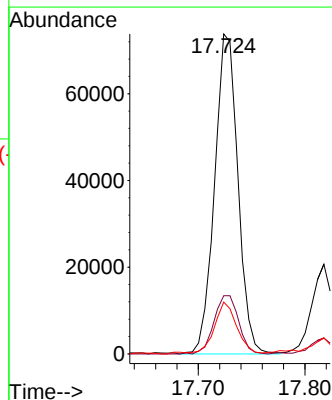
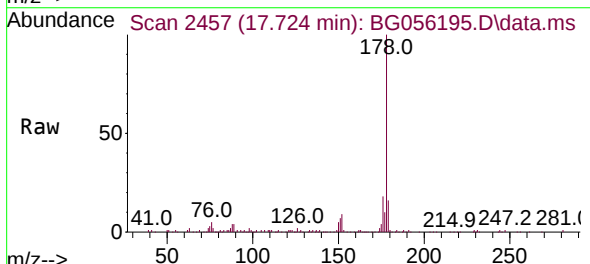
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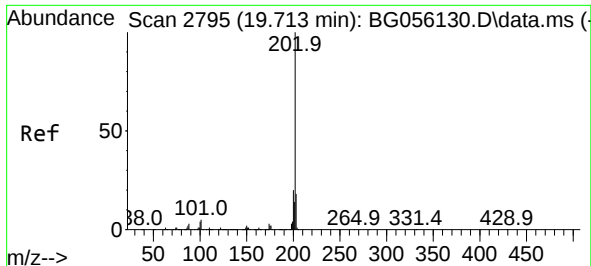
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#71
Phenanthrene
Concen: 5.392 ng
RT: 17.724 min Scan# 2457
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

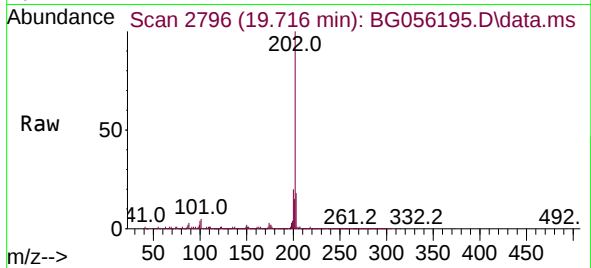
Tgt Ion:178 Resp: 112474
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 16.2 13.6 20.4





#75
Fluoranthene
Concen: 10.284 ng
RT: 19.716 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

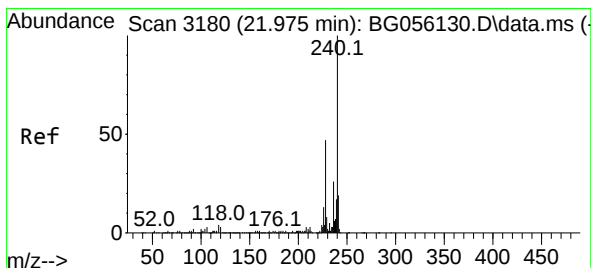
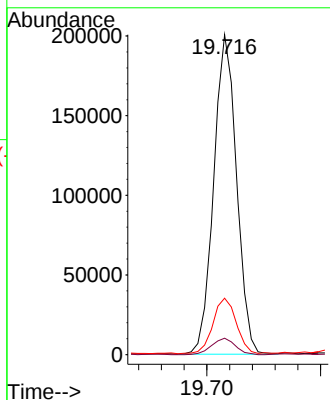
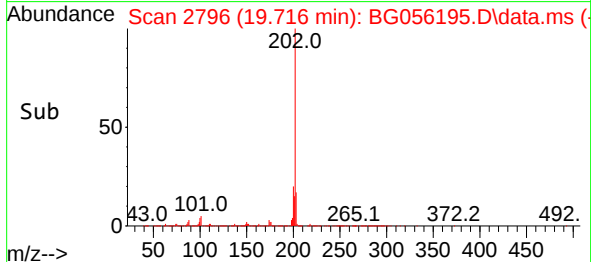
Instrument :
BNA_G
ClientSampleId :
PE-13



Tgt Ion:202 Resp: 279830
Ion Ratio Lower Upper
202 100
101 5.1 0.0 25.0
203 17.6 0.0 38.0

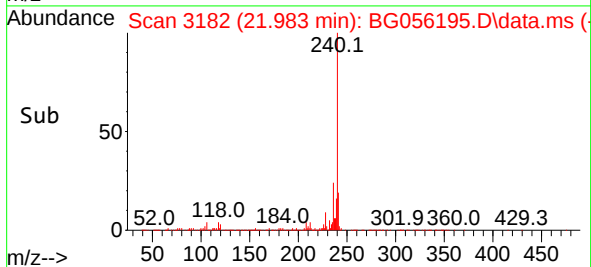
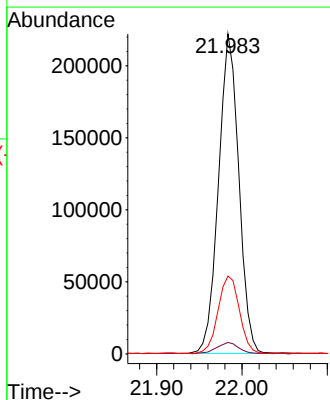
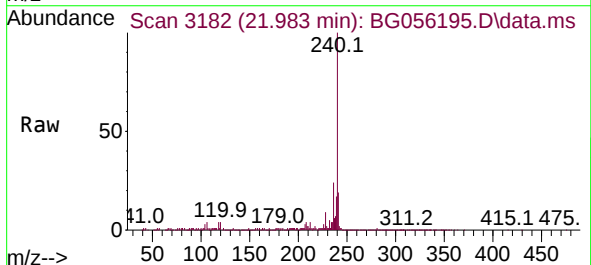
Manual Integrations
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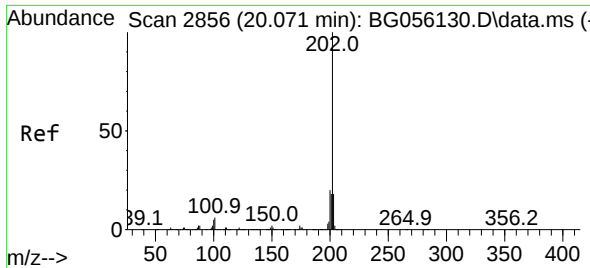
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.983 min Scan# 3182
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

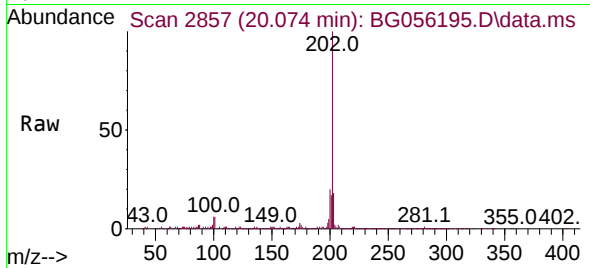
Tgt Ion:240 Resp: 366650
Ion Ratio Lower Upper
240 100
120 3.6 2.6 4.0
236 24.3 20.8 31.2





#78
 Pyrene
 Concen: 9.579 ng
 RT: 20.074 min Scan# 2856
 Delta R.T. -0.003 min
 Lab File: BG056195.D
 Acq: 3 Jan 2023 21:07

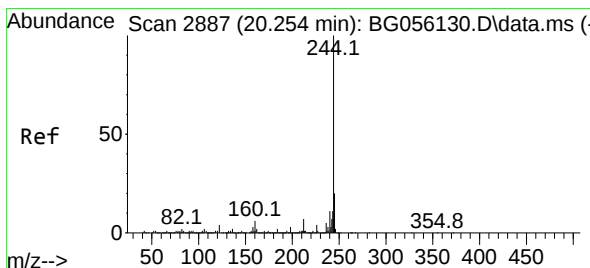
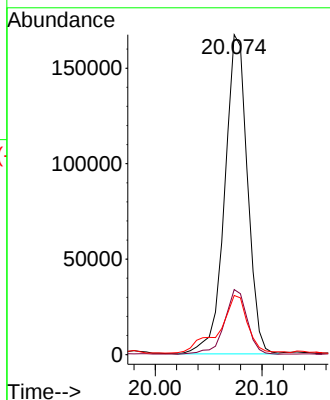
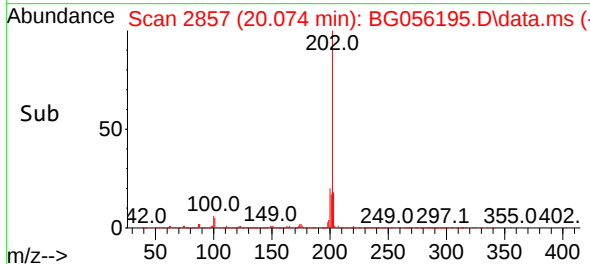
Instrument :
 BNA_G
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 PE-13



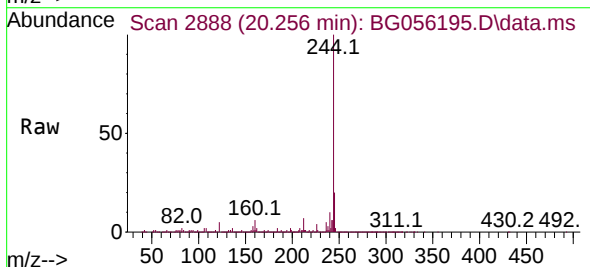
Tgt Ion:202 Resp: 247554
 Ion Ratio Lower Upper
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 200 20.3 16.4 24.6
 203 18.5 14.3 21.5

Manual Integrations
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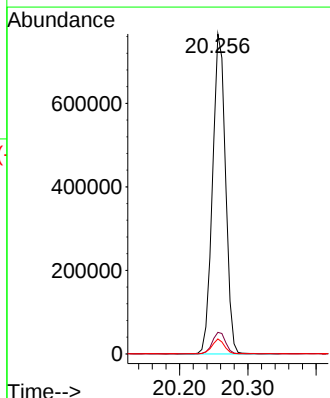
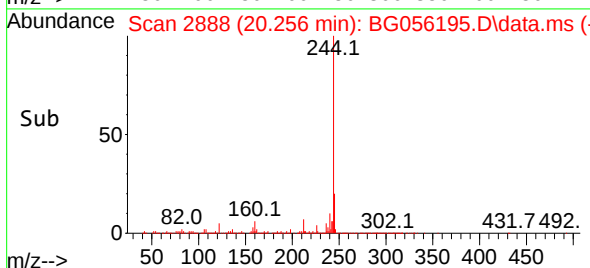
Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023

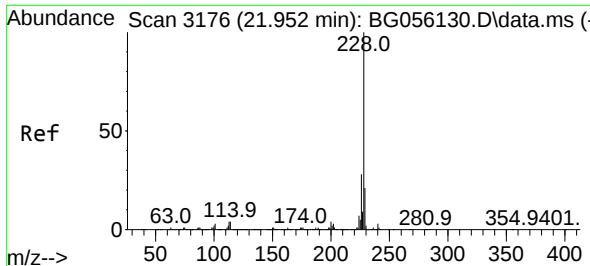


#79
 Terphenyl-d14
 Concen: 49.140 ng
 RT: 20.256 min Scan# 2888
 Delta R.T. -0.003 min
 Lab File: BG056195.D
 Acq: 3 Jan 2023 21:07



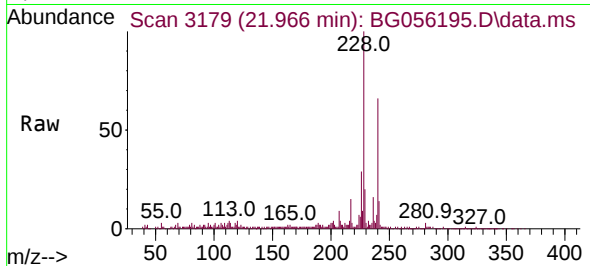
Tgt Ion:244 Resp: 1005947
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 4.7 3.5 5.3





#81
Benzo(a)anthracene
Concen: 6.131 ng
RT: 21.966 min Scan# 3176
Delta R.T. 0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

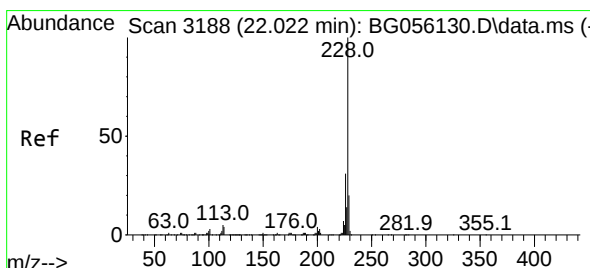
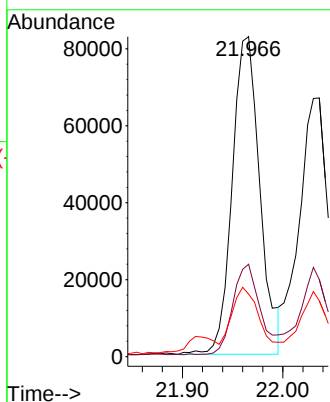
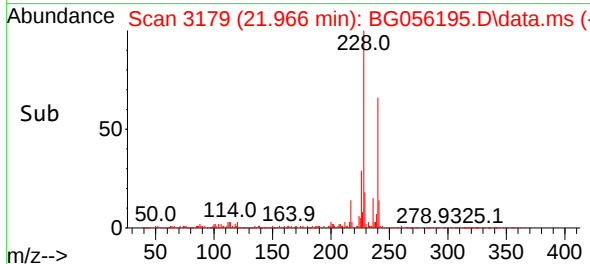
Instrument :
BNA_G
ClientSampleId :
PE-13



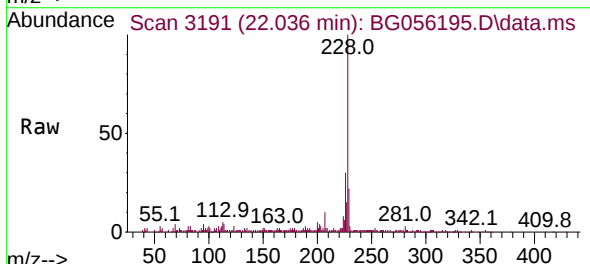
Tgt Ion:228 Resp: 15788
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 19.5 16.9 25.3

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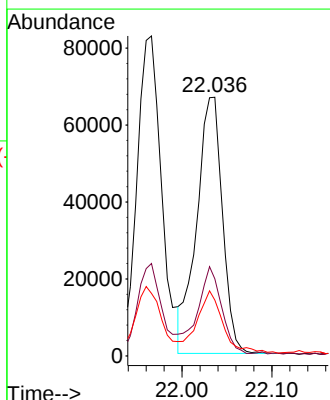
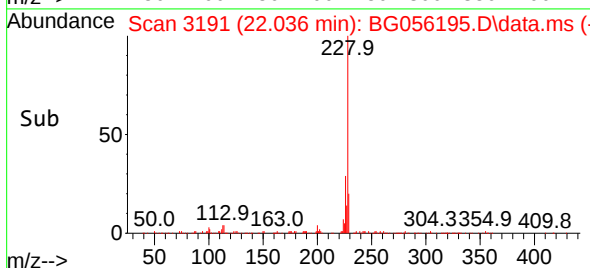
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023

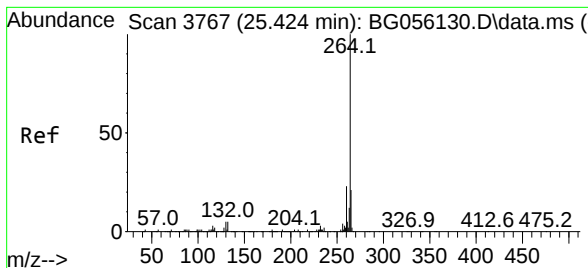


#83
Chrysene
Concen: 5.530 ng
RT: 22.036 min Scan# 3191
Delta R.T. 0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07



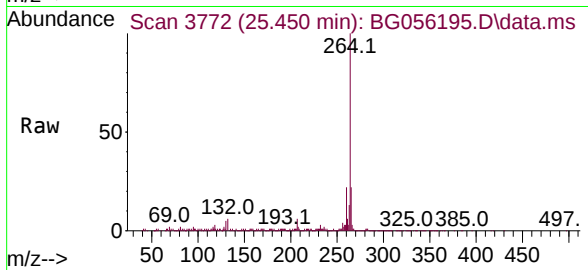
Tgt Ion:228 Resp: 133403
Ion Ratio Lower Upper
228 100
226 29.8 24.6 36.8
229 21.6 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.450 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: BG056195.D
 Acq: 3 Jan 2023 21:07

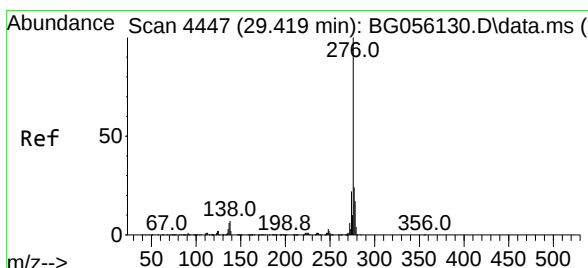
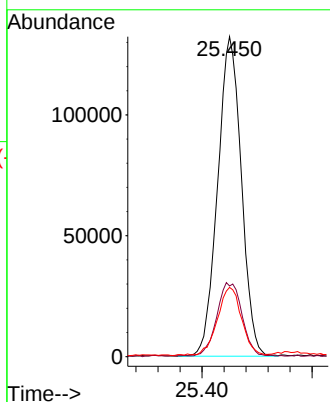
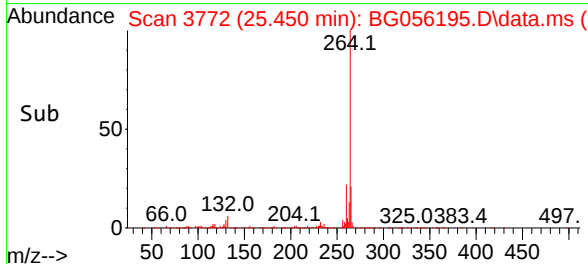
Instrument :
 BNA_G
 ClientSampleId :
 PE-13



Tgt Ion:264 Resp: 39470
 Ion Ratio Lower Upper
 264 100
 260 22.1 18.6 28.0
 265 21.6 16.7 25.1

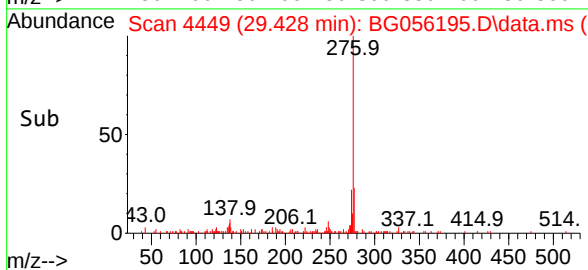
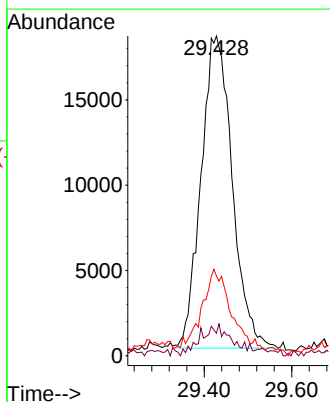
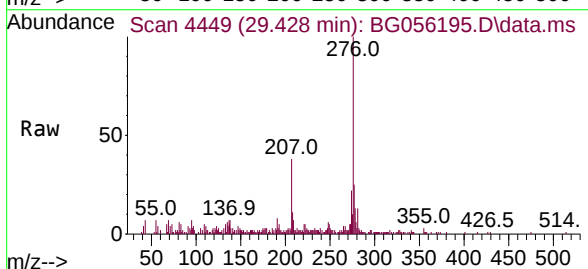
Manual Integrations
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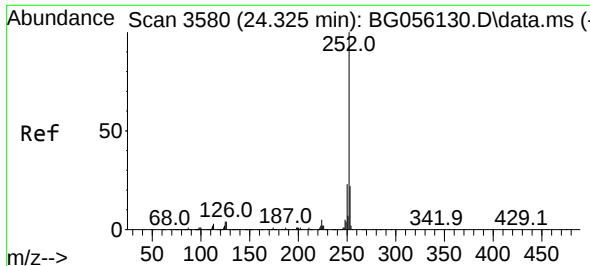
Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.158 ng
 RT: 29.428 min Scan# 4449
 Delta R.T. -0.009 min
 Lab File: BG056195.D
 Acq: 3 Jan 2023 21:07

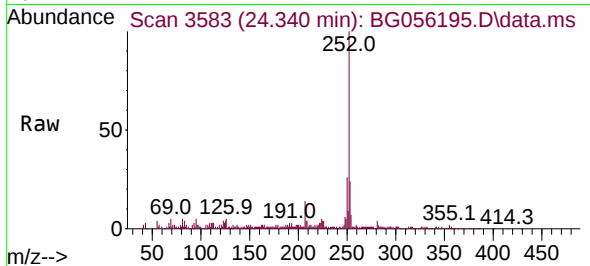
Tgt Ion:276 Resp: 90646
 Ion Ratio Lower Upper
 276 100
 138 0.5 5.0 7.4#
 277 22.1 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 7.360 ng
RT: 24.340 min Scan# 3580
Delta R.T. -0.003 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

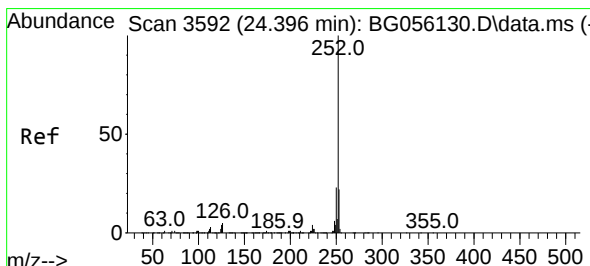
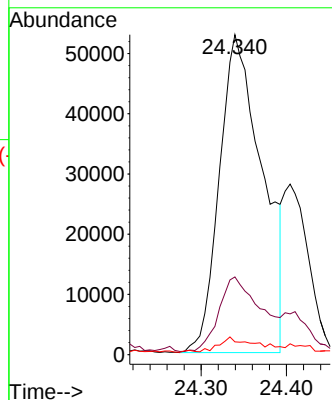
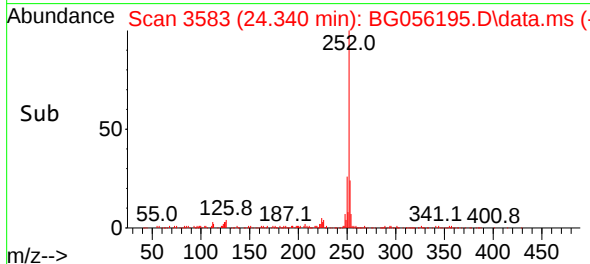
Instrument :
BNA_G
ClientSampleId :
PE-13



Tgt Ion:252 Resp: 184568
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 4.0 3.0 4.4

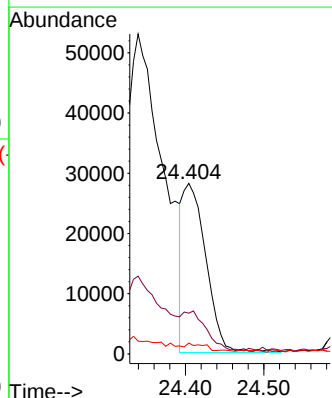
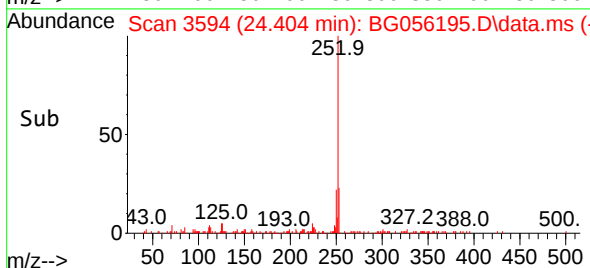
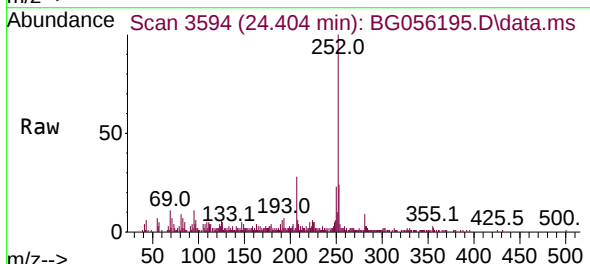
Manual Integrations
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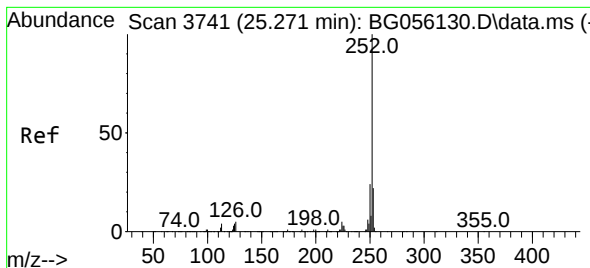
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#89
Benzo(k)fluoranthene
Concen: 2.299 ng m
RT: 24.404 min Scan# 3594
Delta R.T. -0.009 min
Lab File: BG056195.D
Acq: 3 Jan 2023 21:07

Tgt Ion:252 Resp: 57405
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 6.3 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 5.506 ng

RT: 25.280 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

Instrument :

BNA_G

ClientSampleId :

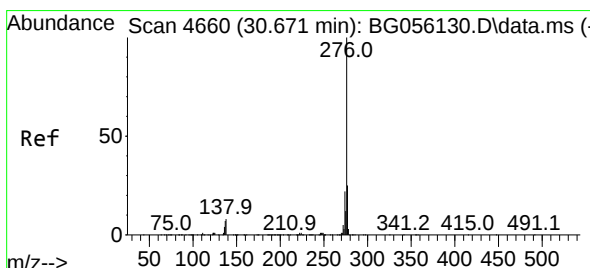
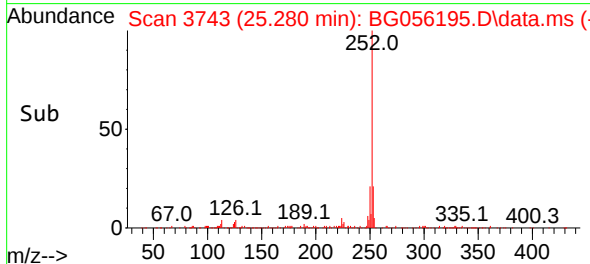
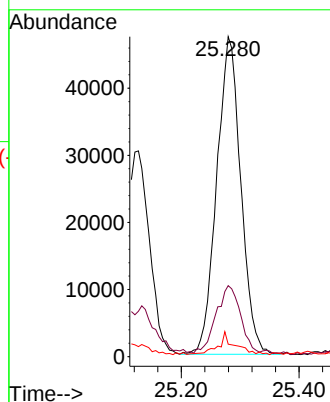
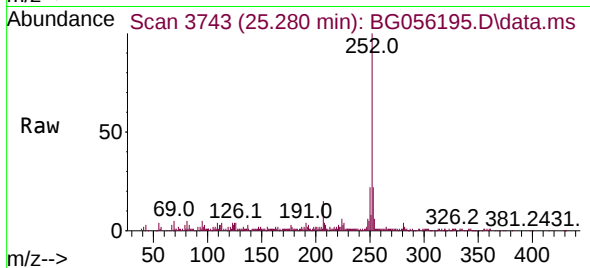
PE-13

Tgt Ion:	252	Resp:	134672
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	3.9	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#92

Benzo(g,h,i)perylene

Concen: 3.702 ng

RT: 30.679 min Scan# 4662

Delta R.T. -0.009 min

Lab File: BG056195.D

Acq: 3 Jan 2023 21:07

Tgt Ion:	276	Resp:	86401
Ion Ratio	Lower	Upper	
276	100		
277	23.1	19.7	29.5
138	7.2	6.7	10.1

