

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
 Data File : BG056562.D
 Acq On : 6 Feb 2023 19:49
 Operator : CG/JU
 Sample : 01418-11DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-20-020223DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/07/2023
 Supervised By : Jagrut Upadhyay 02/07/2023

Quant Time: Feb 07 04:35:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 04:30:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.278	152	49170	20.000	ng	0.00
21) Naphthalene-d8	11.110	136	179320	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	131334	20.000	ng	0.00
64) Phenanthrene-d10	17.637	188	291717	20.000	ng	0.00
76) Chrysene-d12	21.927	240	264804	20.000	ng	0.00
86) Perylene-d12	25.358	264	292454	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.804	112	42606	15.940	ng	0.01
7) Phenol-d6	7.426	99	60106	15.177	ng	0.00
23) Nitrobenzene-d5	9.453	82	32448	10.275	ng	0.00
42) 2,4,6-Tribromophenol	16.380	330	25348	14.518	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	101716	10.738	ng	0.00
79) Terphenyl-d14	20.211	244	154310	10.235	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.679	178	295564	19.358	ng	98
72) Anthracene	17.767	178	68082	4.344	ng	100
75) Fluoranthene	19.670	202	515262	26.739	ng	99
78) Pyrene	20.035	202	570495	30.292	ng	99
81) Benzo(a)anthracene	21.909	228	276684	14.946	ng	99
83) Chrysene	21.979	228	246616	14.179	ng	99
87) Indeno(1,2,3-cd)pyrene	29.300	276	116788	5.455	ng	# 87
88) Benzo(b)fluoranthene	24.265	252	295914	16.302	ng	# 98
89) Benzo(k)fluoranthene	24.330	252	119356m	6.512	ng	
90) Benzo(a)pyrene	25.193	252	247704	13.853	ng	100
92) Benzo(g,h,i)perylene	30.546	276	113756	6.561	ng	98

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

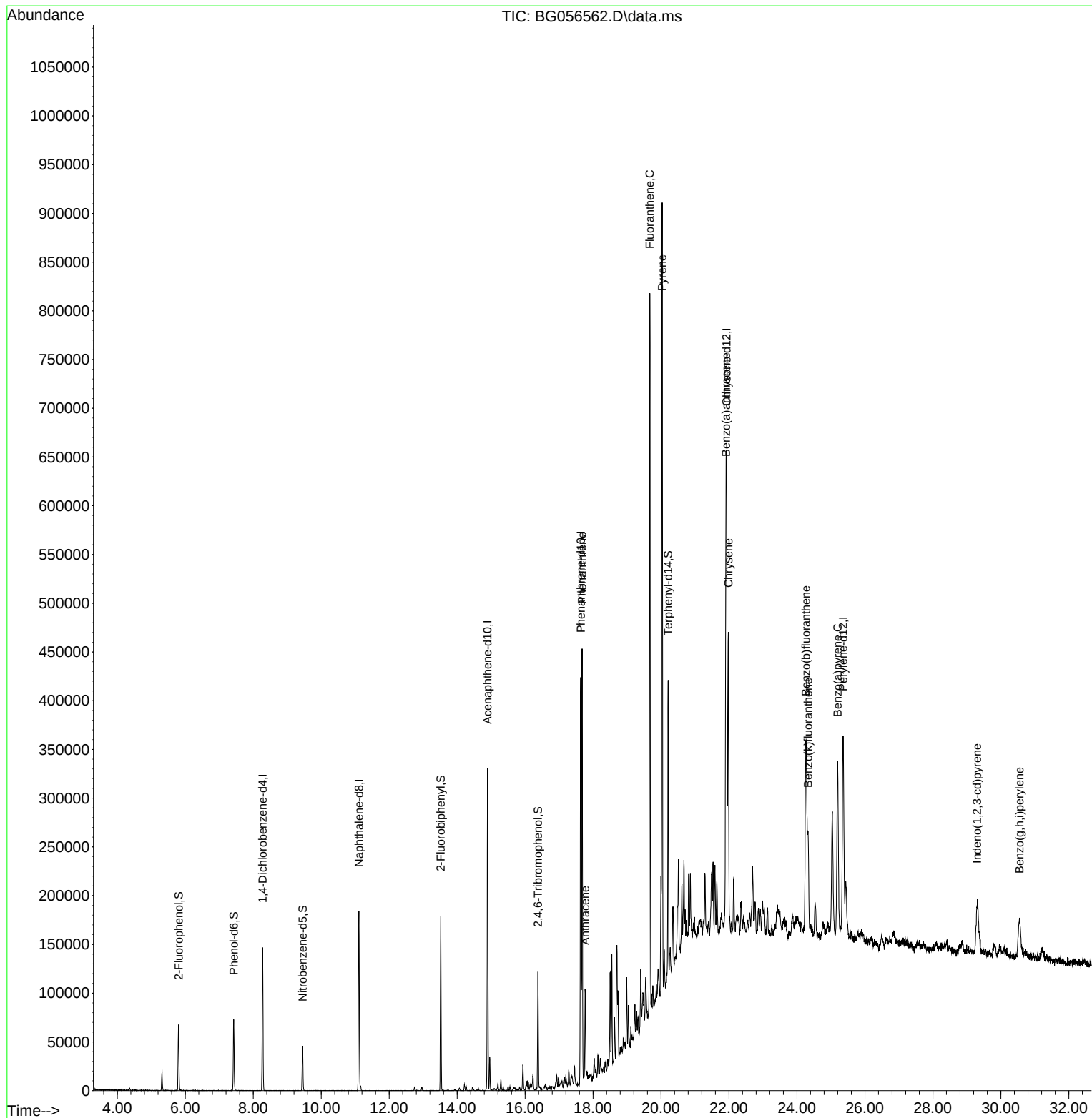
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
Data File : BG056562.D
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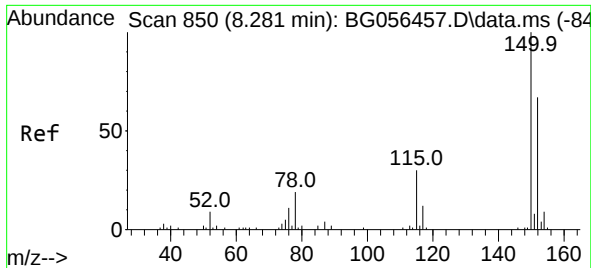
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Quant Time: Feb 07 04:35:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
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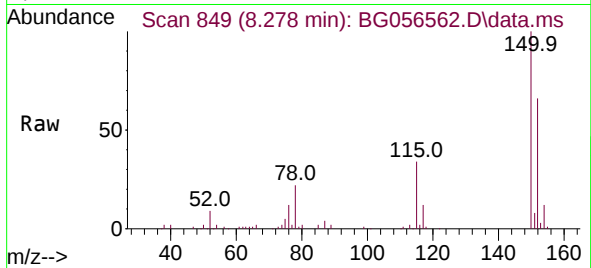
Reviewed By : Christian Giraldo 02/07/2023
Supervised By : Jagrut Upadhyay 02/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.278 min Scan# 849
Delta R.T. 0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

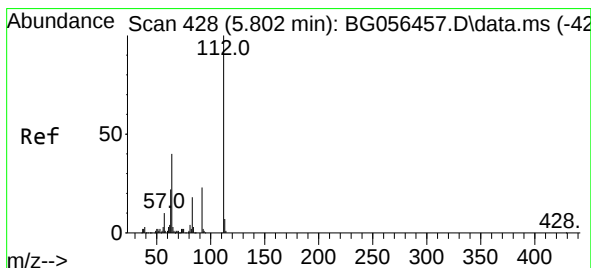
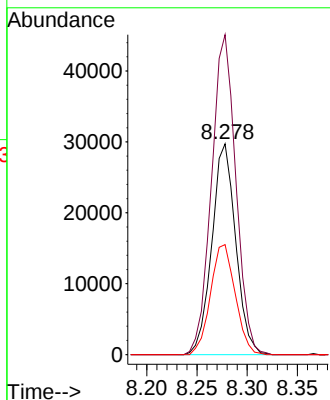
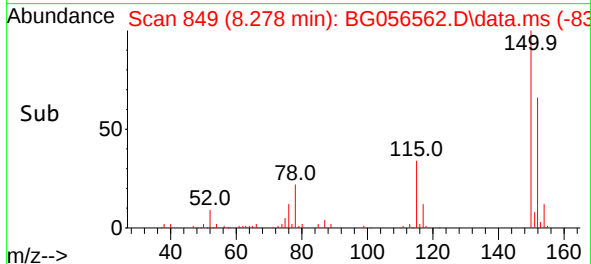
Instrument :
BNA_G
ClientSampleId :
JPP-20-020223DL



Tgt Ion:152 Resp: 49176
Ion Ratio Lower Upper
152 100
150 151.8 120.2 180.4
115 52.2 36.3 54.5

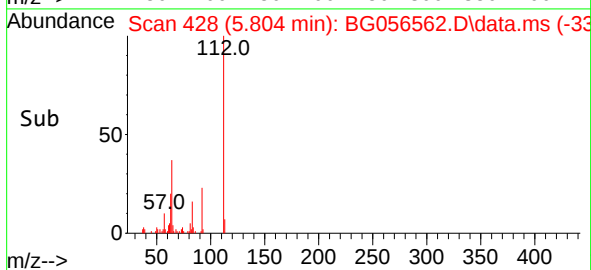
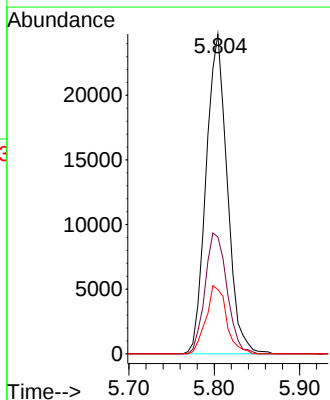
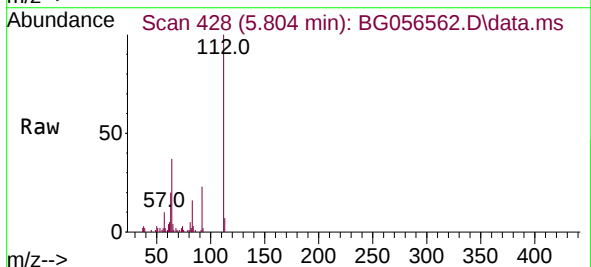
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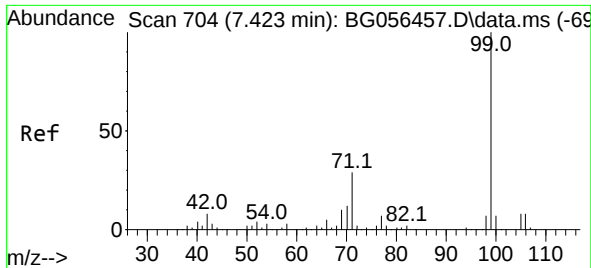
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#5
2-Fluorophenol
Concen: 15.940 ng
RT: 5.804 min Scan# 428
Delta R.T. 0.014 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

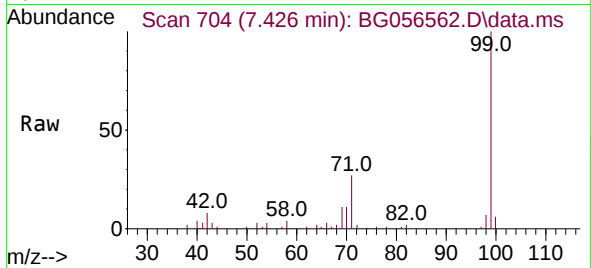
Tgt Ion:112 Resp: 42606
Ion Ratio Lower Upper
112 100
64 36.5 31.9 47.9
63 20.1 17.4 26.0





#7
Phenol-d6
Concen: 15.177 ng
RT: 7.426 min Scan# 704
Delta R.T. 0.009 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

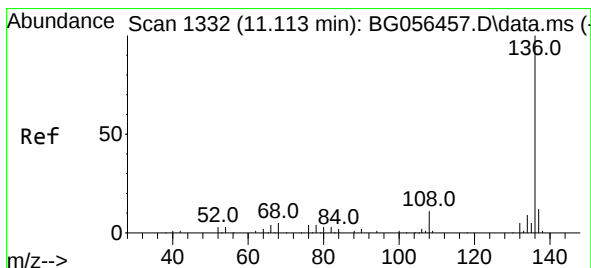
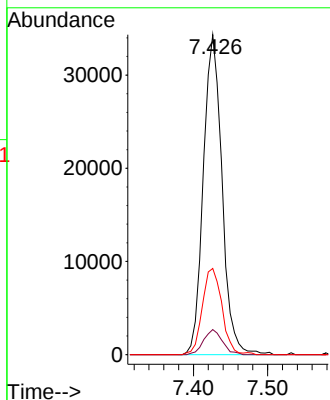
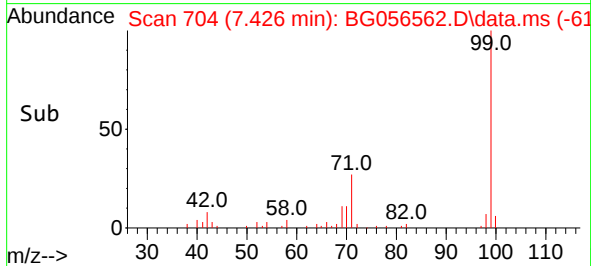
Instrument :
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JPP-20-020223DL



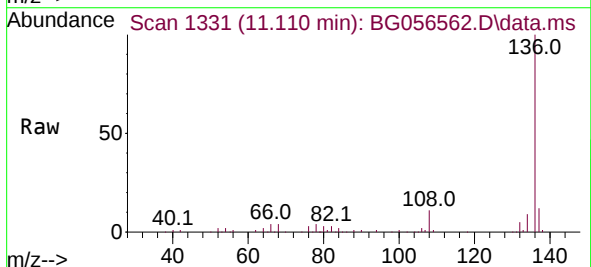
Tgt Ion: 99 Resp: 60100
Ion Ratio Lower Upper
99 100
42 7.8 6.6 10.0
71 26.9 23.4 35.0

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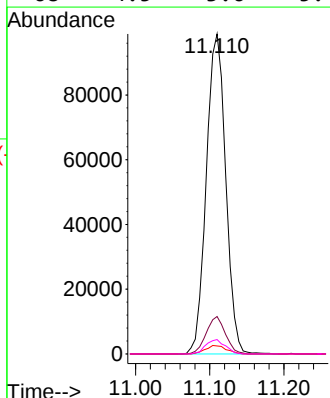
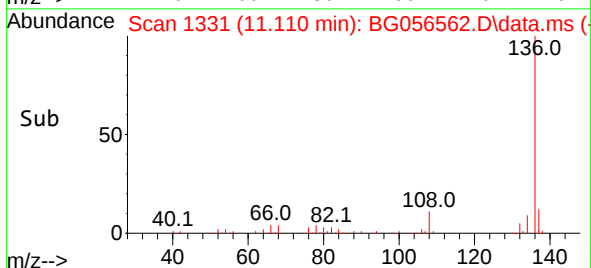
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023

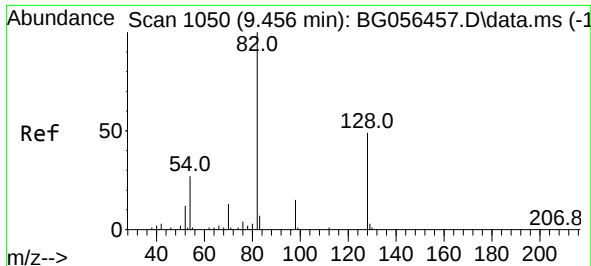


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.110 min Scan# 1331
Delta R.T. 0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49



Tgt Ion:136 Resp: 179320
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 2.5 2.2 3.4
68 4.5 3.6 5.4





#23

Nitrobenzene-d5

Concen: 10.275 ng

RT: 9.453 min Scan# 1049

Delta R.T. 0.003 min

Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

Instrument :

BNA_G

ClientSampleId :

JPP-20-020223DL

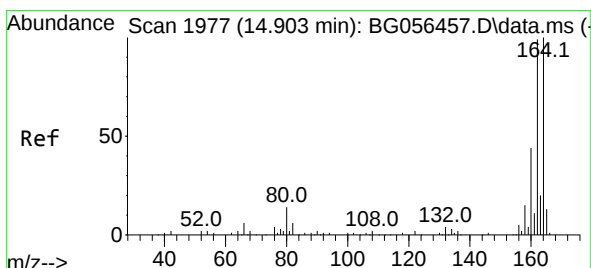
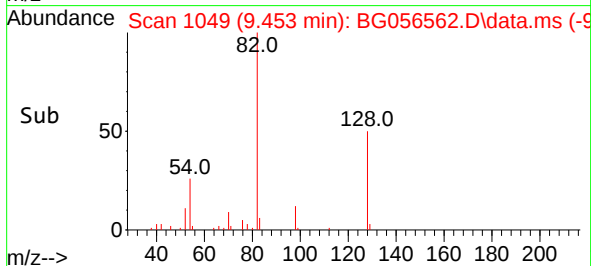
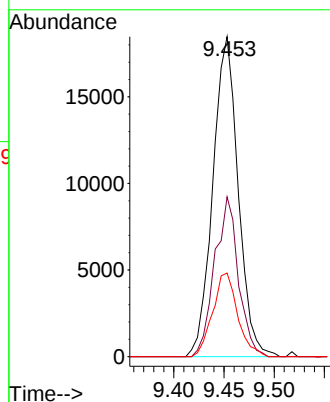
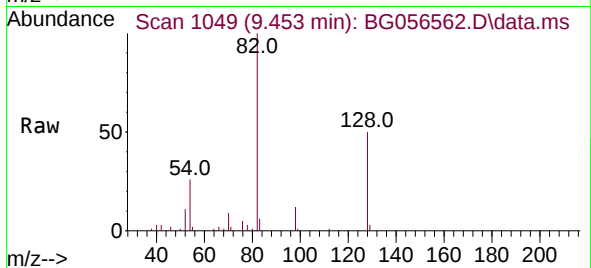
Tgt Ion: 82 Resp: 32448

Ion	Ratio	Lower	Upper
82	100		
128	50.0	39.4	59.2
54	26.1	21.4	32.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.894 min Scan# 1975

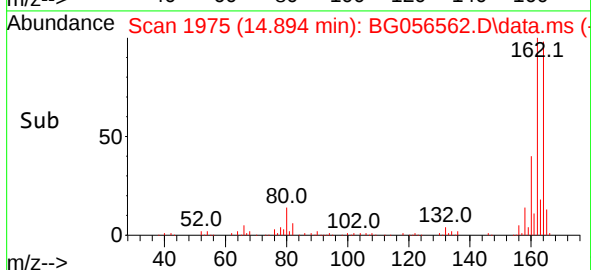
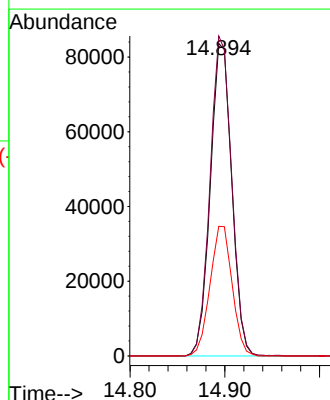
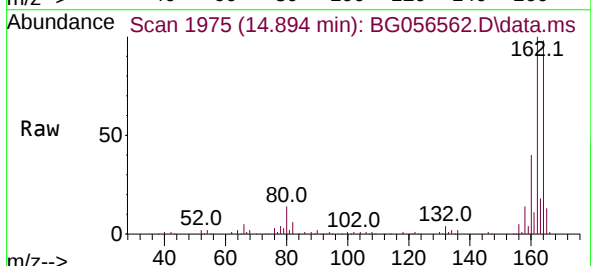
Delta R.T. -0.003 min

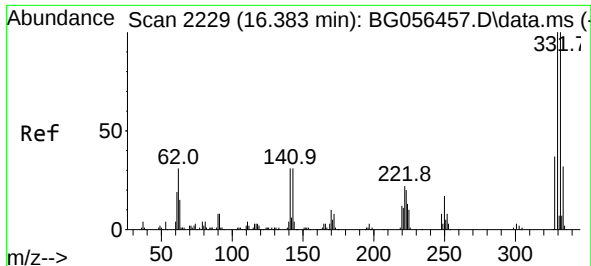
Lab File: BG056562.D

Acq: 6 Feb 2023 19:49

Tgt Ion:164 Resp: 131334

Ion	Ratio	Lower	Upper
164	100		
162	102.4	79.6	119.4
160	41.5	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 14.518 ng
RT: 16.380 min Scan# 2229
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

Instrument :

BNA_G

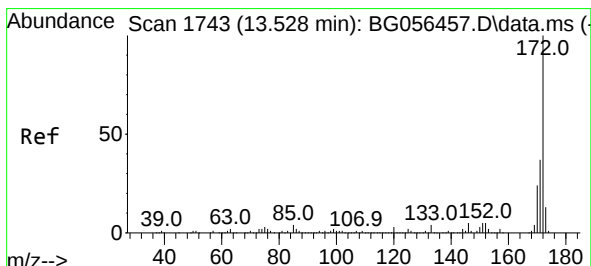
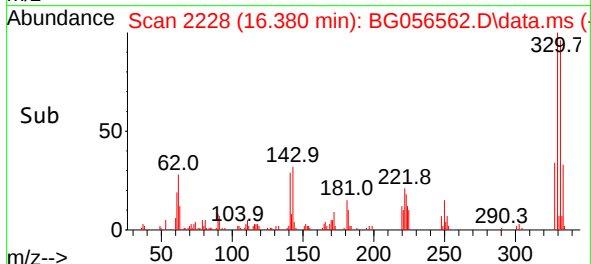
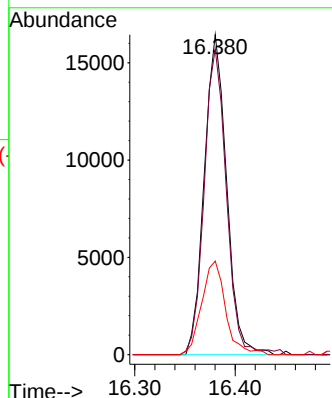
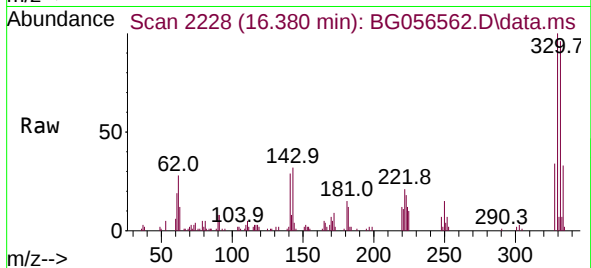
ClientSampleId :

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Tgt Ion:330 Resp: 25348
Ion Ratio Lower Upper
330 100
332 95.5 79.0 118.6
141 31.2 24.2 36.4

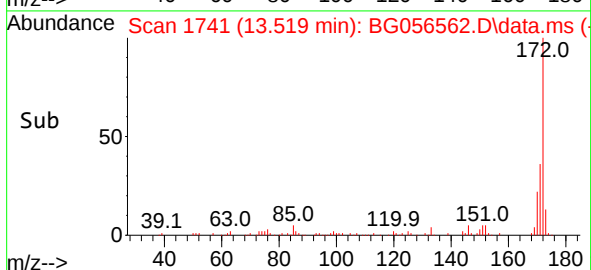
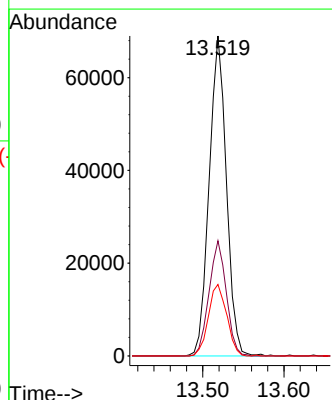
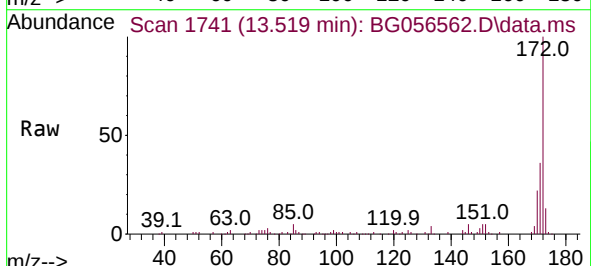
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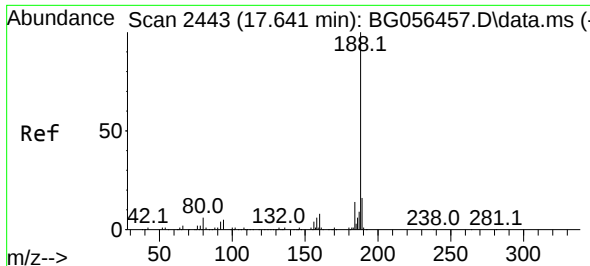
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#45
2-Fluorobiphenyl
Concen: 10.738 ng
RT: 13.519 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

Tgt Ion:172 Resp: 101716
Ion Ratio Lower Upper
172 100
171 36.0 29.5 44.3
170 22.3 19.2 28.8





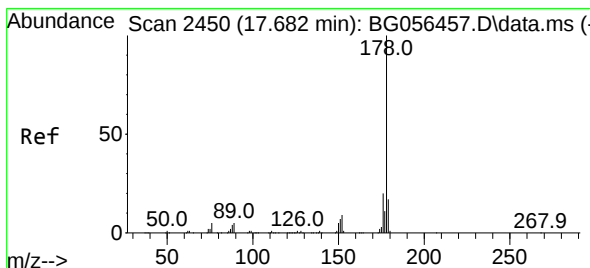
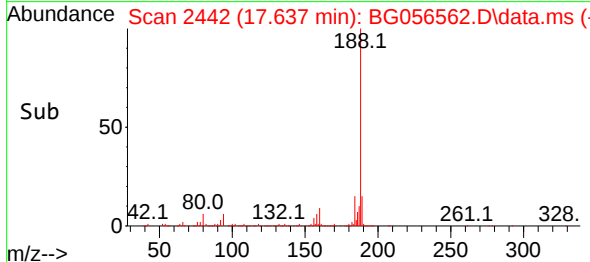
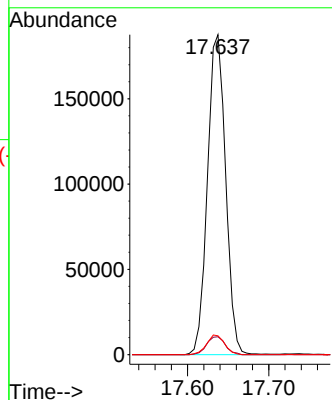
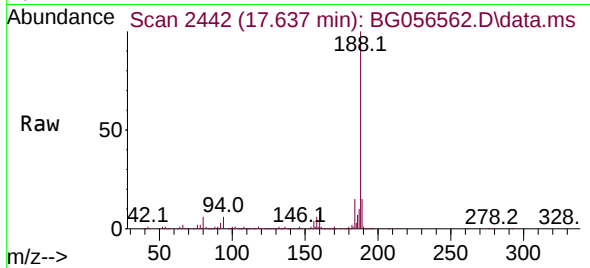
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.637 min Scan# 2442
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

Instrument :
BNA_G
ClientSampleId :
JPP-20-020223DL

Tgt Ion:188 Resp: 29171
Ion Ratio Lower Upper
188 100
94 5.6 4.1 6.1
80 5.9 5.0 7.4

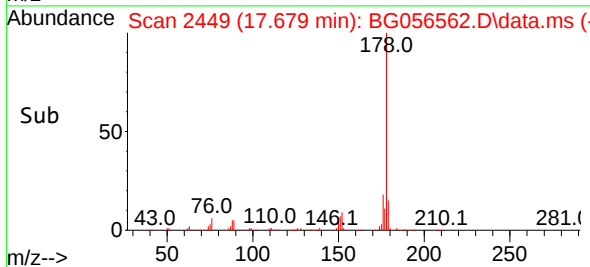
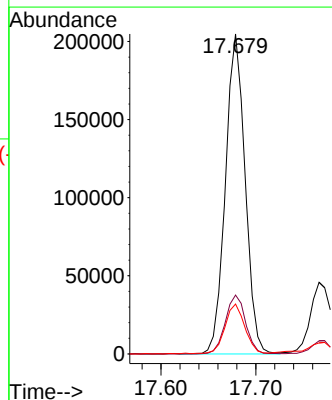
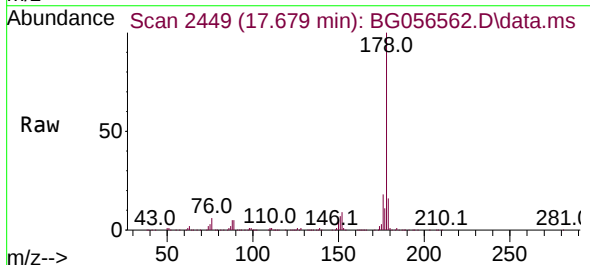
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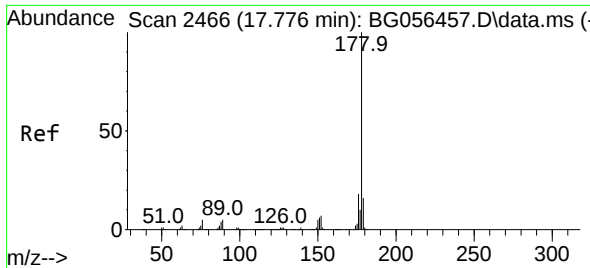
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#71
Phenanthrene
Concen: 19.358 ng
RT: 17.679 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

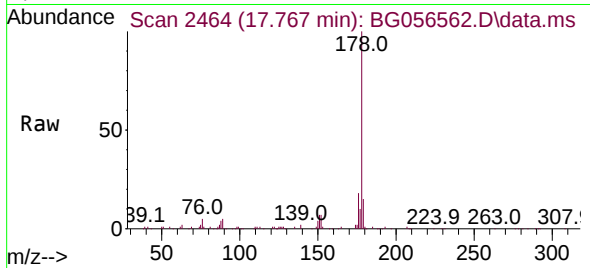
Tgt Ion:178 Resp: 295564
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.6 13.3 19.9





#72
 Anthracene
 Concen: 4.344 ng
 RT: 17.767 min Scan# 2466
 Delta R.T. -0.003 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49

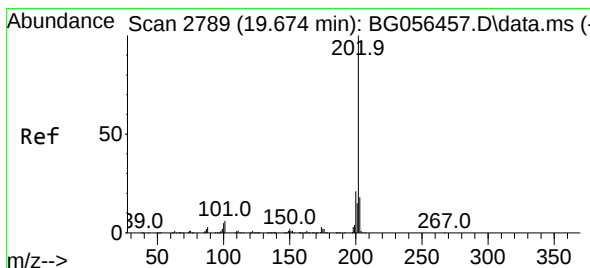
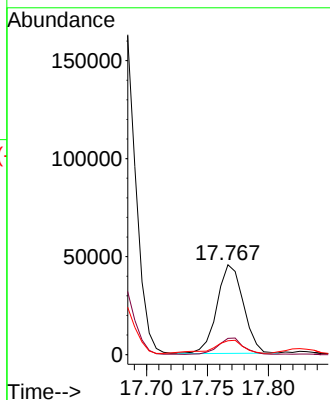
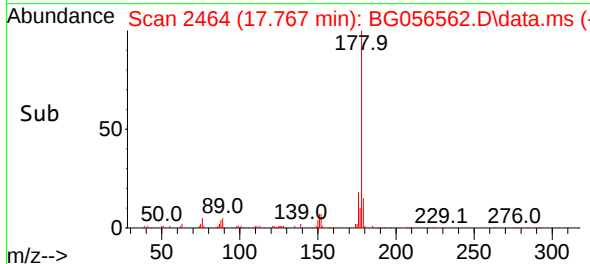
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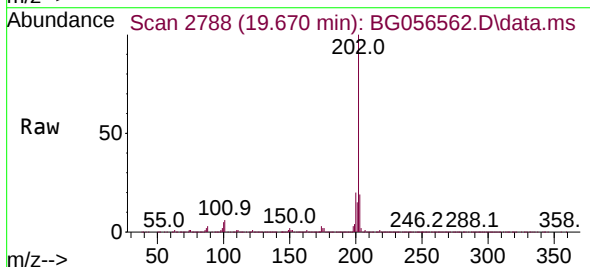
Tgt Ion:178 Resp: 68082
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.5 21.7
 179 15.4 12.5 18.7

Manual Integrations
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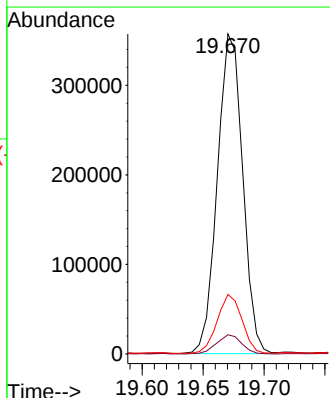
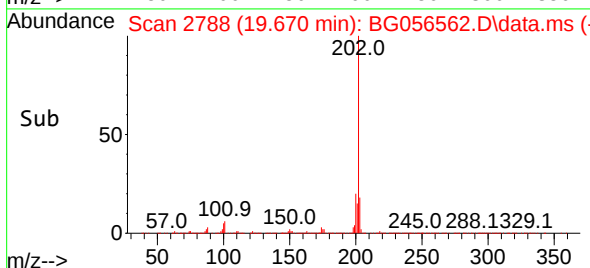
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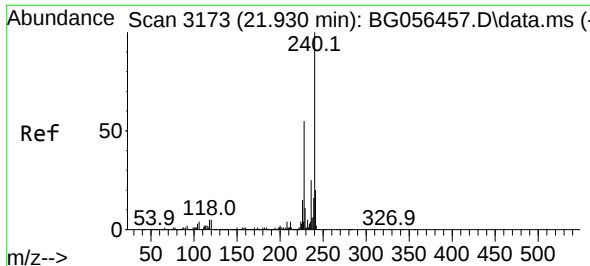


#75
 Fluoranthene
 Concen: 26.739 ng
 RT: 19.670 min Scan# 2788
 Delta R.T. -0.003 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49



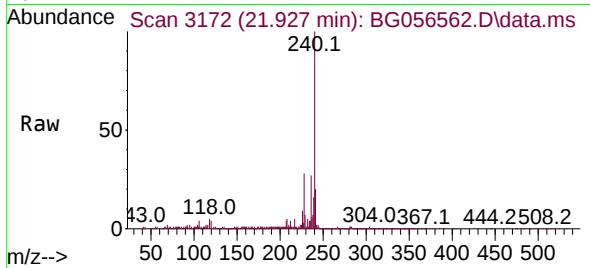
Tgt Ion:202 Resp: 515262
 Ion Ratio Lower Upper
 202 100
 101 6.0 0.0 25.6
 203 18.6 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3172
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

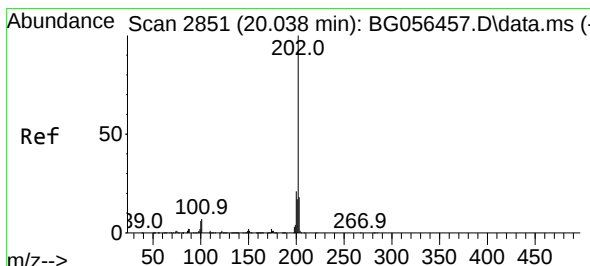
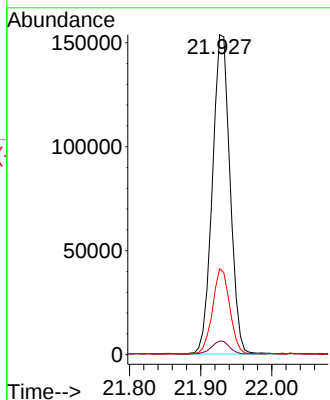
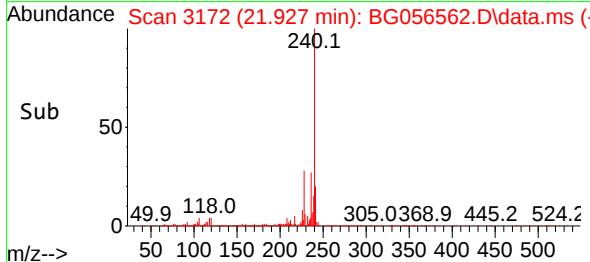
Instrument :
BNA_G
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JPP-20-020223DL



Tgt Ion:240 Resp: 264804
Ion Ratio Lower Upper
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120 4.2 3.8 5.8
236 26.8 20.2 30.2

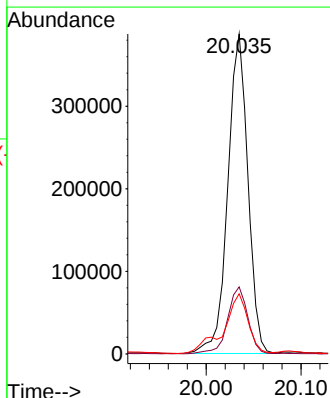
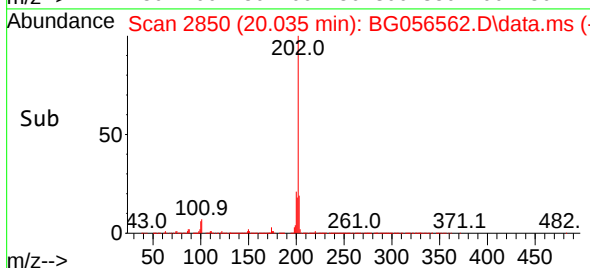
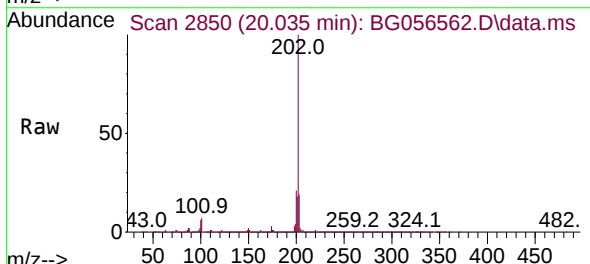
Manual Integrations
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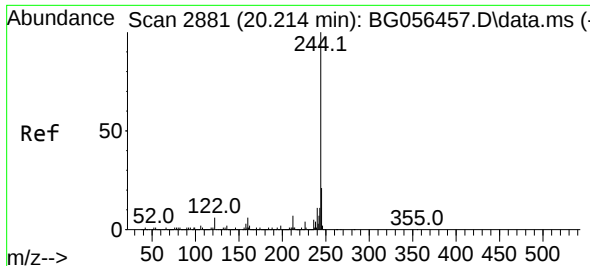
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#78
Pyrene
Concen: 30.292 ng
RT: 20.035 min Scan# 2850
Delta R.T. 0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

Tgt Ion:202 Resp: 570495
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 18.8 14.4 21.6





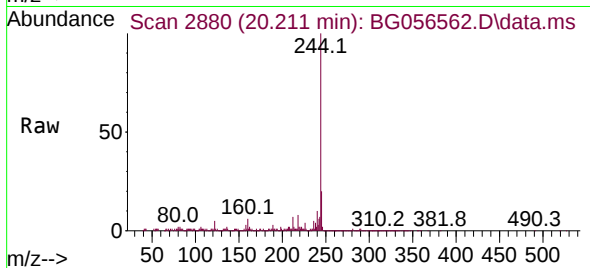
#79
 Terphenyl-d14
 Concen: 10.235 ng
 RT: 20.211 min Scan# 2880
 Delta R.T. -0.003 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49

Instrument :

BNA_G

ClientSampleId :

JPP-20-020223DL

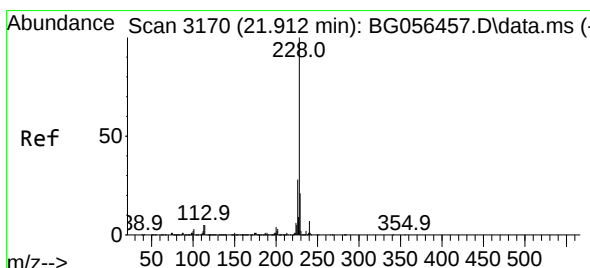
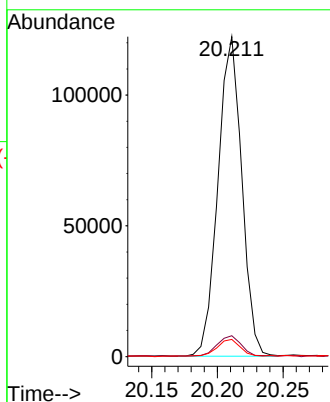
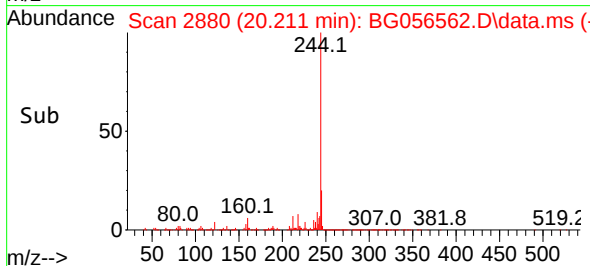


Tgt Ion:244 Resp: 154310
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 5.4 4.4 6.6

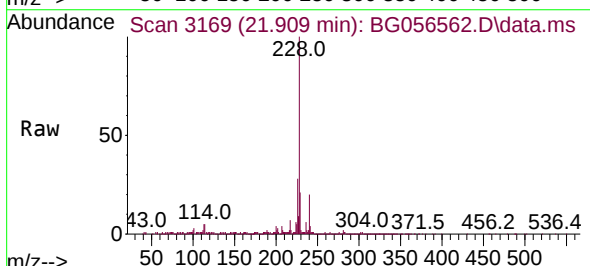
Manual Integrations

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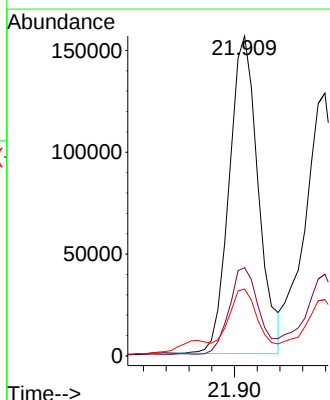
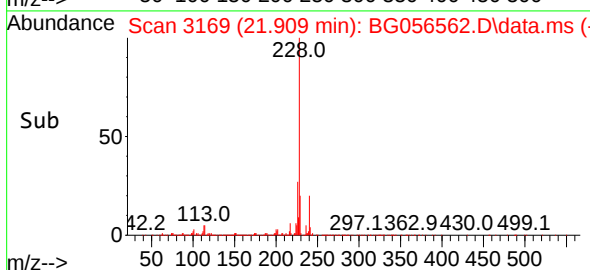
Reviewed By :Christian Giraldo 02/07/2023
 Supervised By :Jagrut Upadhyay 02/07/2023

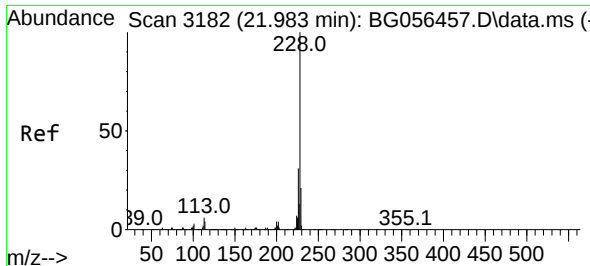


#81
 Benzo(a)anthracene
 Concen: 14.946 ng
 RT: 21.909 min Scan# 3169
 Delta R.T. -0.003 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49



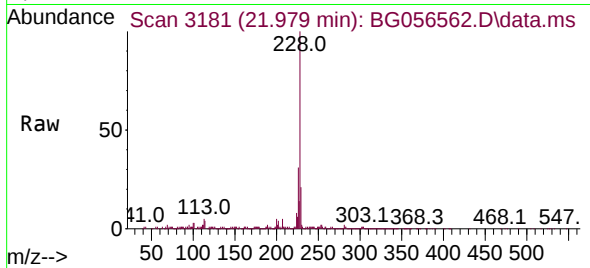
Tgt Ion:228 Resp: 276684
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.4 33.6
 229 20.9 16.5 24.7





#83
Chrysene
Concen: 14.179 ng
RT: 21.979 min Scan# 3181
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

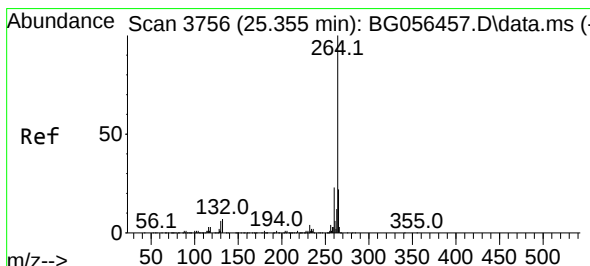
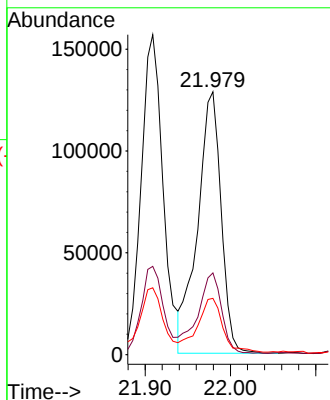
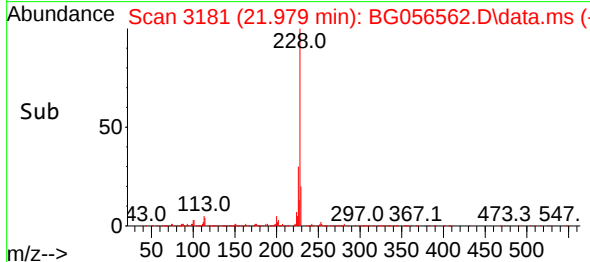
Instrument :
BNA_G
ClientSampleId :
JPP-20-020223DL



Tgt Ion:228 Resp: 246616
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.4
229 21.4 16.4 24.6

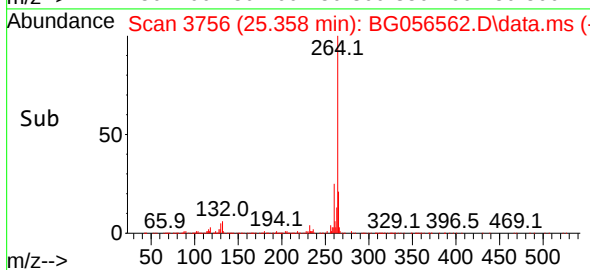
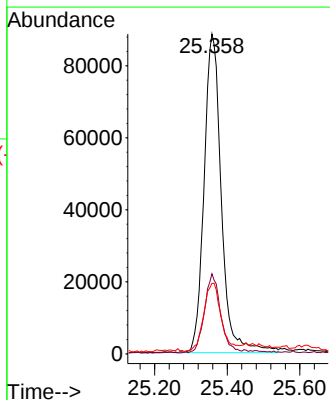
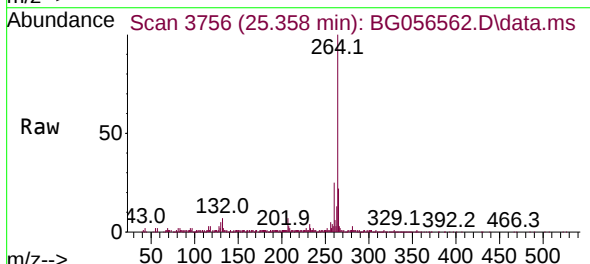
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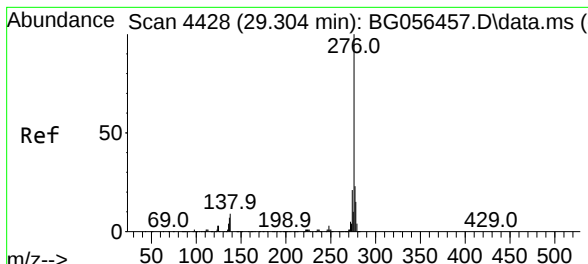
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.358 min Scan# 3756
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

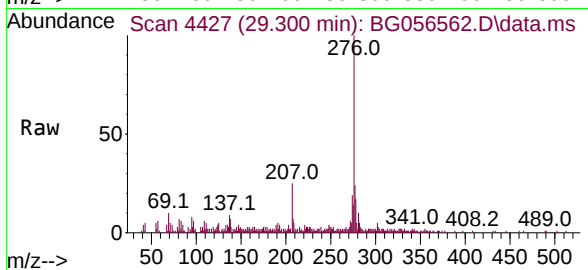
Tgt Ion:264 Resp: 292454
Ion Ratio Lower Upper
264 100
260 25.0 18.2 27.4
265 22.0 18.1 27.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.455 ng
RT: 29.300 min Scan# 4428
Delta R.T. -0.021 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

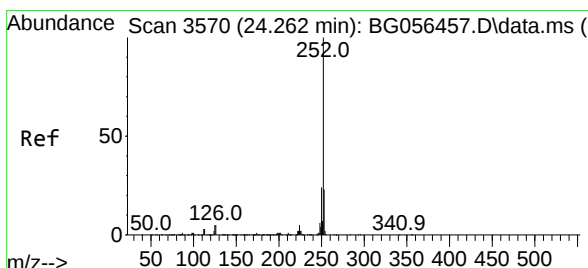
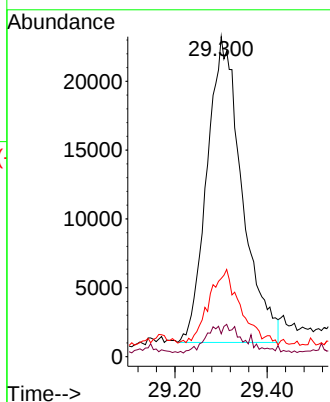
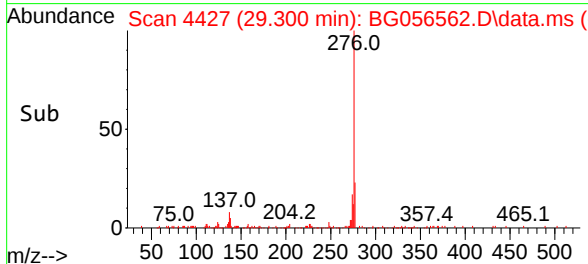
Instrument :
BNA_G
ClientSampleId :
JPP-20-020223DL



Tgt Ion:276 Resp: 116788
Ion Ratio Lower Upper
276 100
138 4.2 9.4 14.2
277 20.3 20.3 30.5

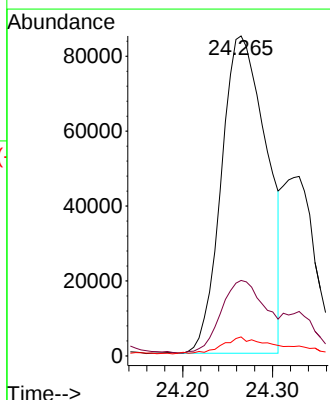
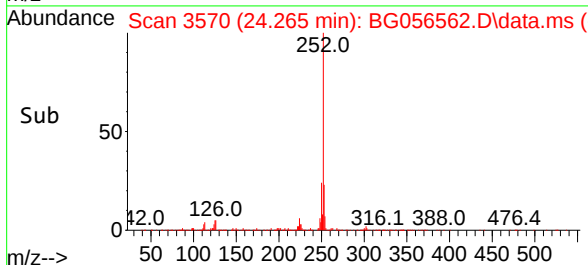
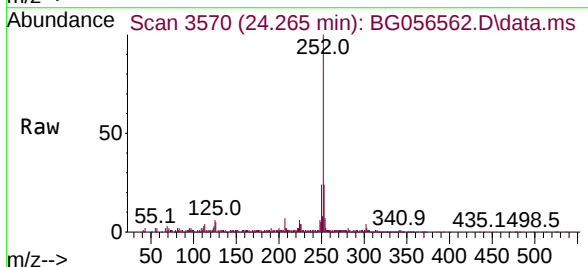
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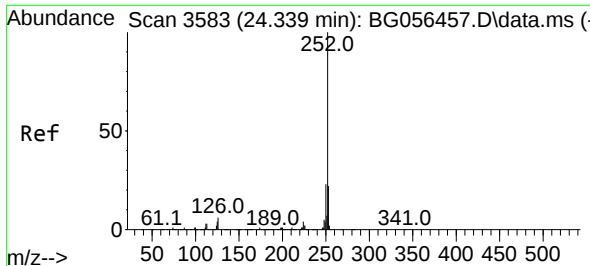
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#88
Benzo(b)fluoranthene
Concen: 16.302 ng
RT: 24.265 min Scan# 3570
Delta R.T. 0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

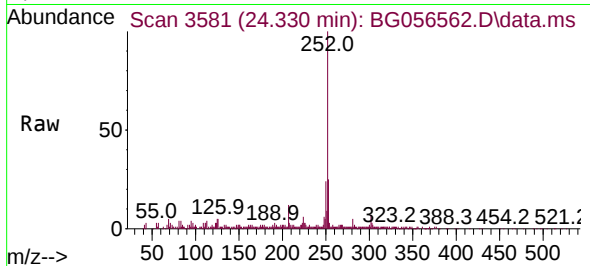
Tgt Ion:252 Resp: 295914
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 6.0 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 6.512 ng m
RT: 24.330 min Scan# 3583
Delta R.T. -0.009 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

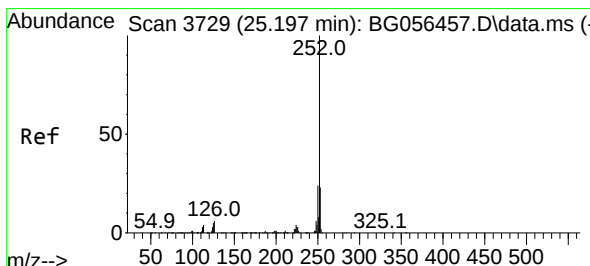
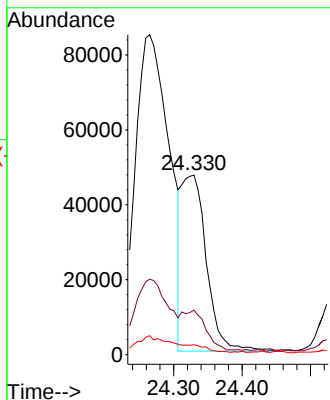
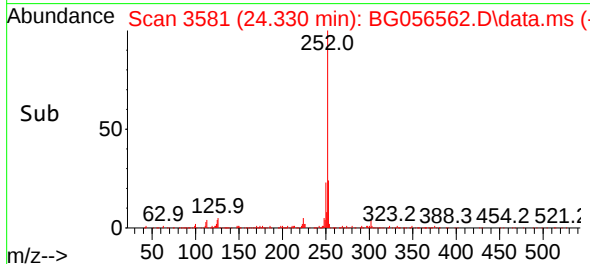
Instrument :
BNA_G
ClientSampleId :
JPP-20-020223DL



Tgt Ion:252 Resp: 119356
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 5.5 3.4 5.0

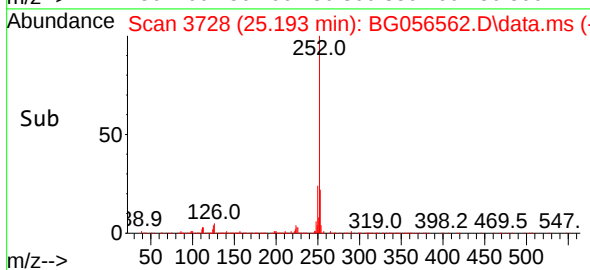
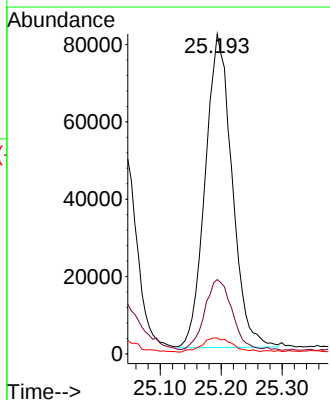
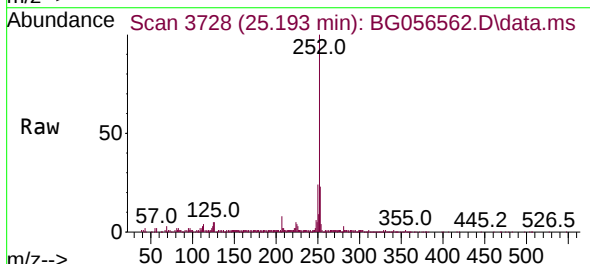
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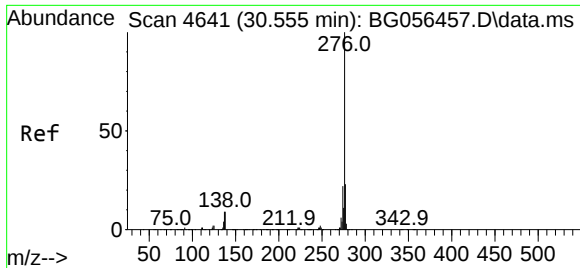
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#90
Benzo(a)pyrene
Concen: 13.853 ng
RT: 25.193 min Scan# 3728
Delta R.T. -0.003 min
Lab File: BG056562.D
Acq: 6 Feb 2023 19:49

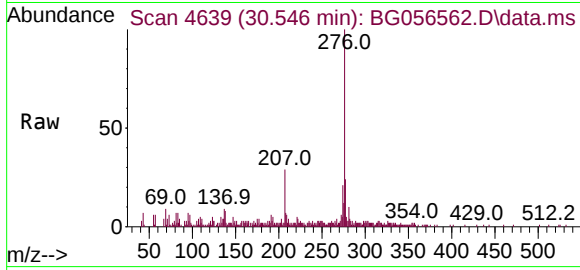
Tgt Ion:252 Resp: 247704
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 4.9 4.1 6.1





#92
 Benzo(g,h,i)perylene
 Concen: 6.561 ng
 RT: 30.546 min Scan# 4639
 Delta R.T. -0.021 min
 Lab File: BG056562.D
 Acq: 6 Feb 2023 19:49

Instrument :
 BNA_G
 ClientSampleId :
 JPP-20-020223DL



Tgt Ion: 276 Resp: 113756
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.5 27.7
 138 8.2 7.4 11.0

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Reviewed By : Christian Giraldo 02/07/2023
 Supervised By : Jagrut Upadhyay 02/07/2023

