

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056544.D
 Acq On : 3 Feb 2023 18:33
 Operator : CG/JU
 Sample : 01418-07 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-18A-020223

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/06/2023
 Supervised By : Jagrut Upadhyay 02/06/2023

Quant Time: Feb 04 05:13:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.277	152	48523	20.000	ng	0.00
21) Naphthalene-d8	11.109	136	178216	20.000	ng	# 0.00
39) Acenaphthene-d10	14.893	164	121752	20.000	ng	0.00
64) Phenanthrene-d10	17.631	188	275543	20.000	ng	0.00
76) Chrysene-d12	21.926	240	272346	20.000	ng	0.00
86) Perylene-d12	25.351	264	285959	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	26827	10.171	ng	0.00
7) Phenol-d6	7.425	99	37689	9.643	ng	0.00
23) Nitrobenzene-d5	9.446	82	20831	6.637	ng	-0.01
42) 2,4,6-Tribromophenol	16.379	330	14831	9.163	ng	0.00
45) 2-Fluorobiphenyl	13.518	172	63726	7.257	ng	0.00
79) Terphenyl-d14	20.204	244	102080	6.583	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.678	178	347224	24.077	ng	98
72) Anthracene	17.766	178	78595	5.309	ng	99
75) Fluoranthene	19.669	202	682606	37.503	ng	99
78) Pyrene	20.034	202	673069	34.748	ng	100
81) Benzo(a)anthracene	21.902	228	340774	17.898	ng	98
83) Chrysene	21.973	228	305190	17.061	ng	98
87) Indeno(1,2,3-cd)pyrene	29.288	276	187422	8.954	ng	# 74
88) Benzo(b)fluoranthene	24.258	252	422095	23.781	ng	99
89) Benzo(k)fluoranthene	24.323	252	141997m	7.924	ng	
90) Benzo(a)pyrene	25.187	252	337398	19.298	ng	98
91) Dibenzo(a,h)anthracene	29.323	278	52740	3.002	ng	# 89
92) Benzo(g,h,i)perylene	30.527	276	183361	10.815	ng	99

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

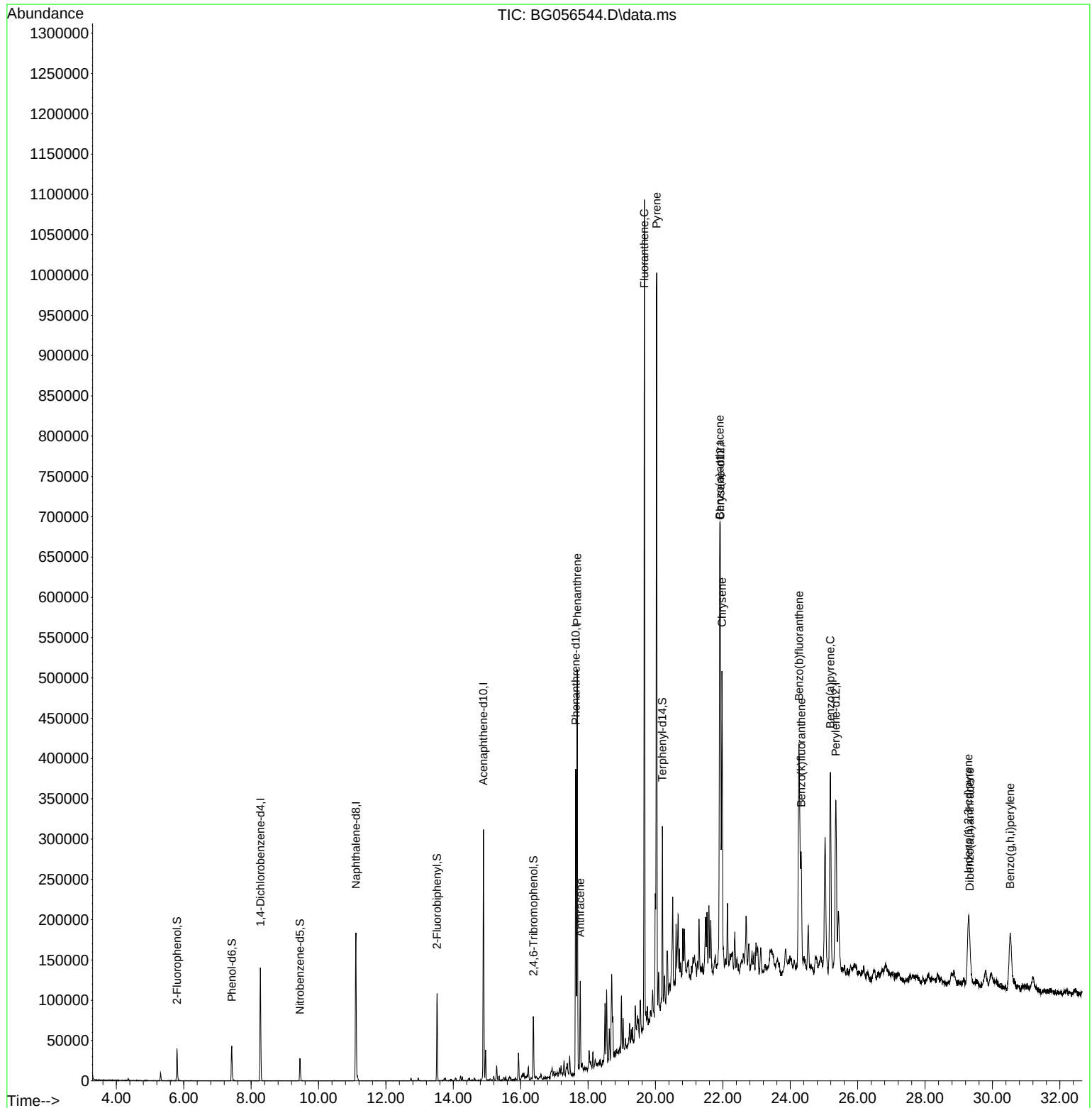
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056544.D
Acq On : 3 Feb 2023 18:33
Operator : CG/JU
Sample : 01418-07 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

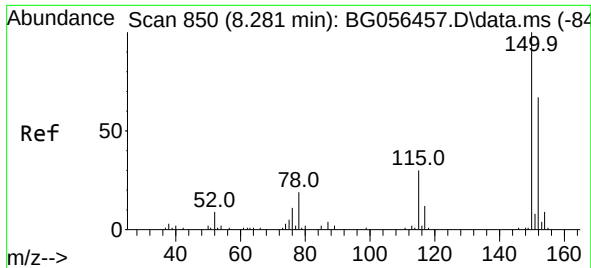
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Quant Time: Feb 04 05:13:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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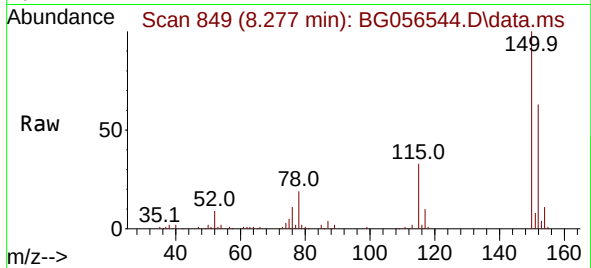
Reviewed By : Christian Giraldo 02/06/2023
Supervised By : Jagrut Upadhyay 02/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.277 min Scan# 849
Delta R.T. 0.002 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

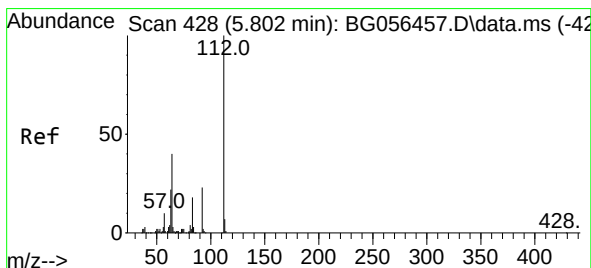
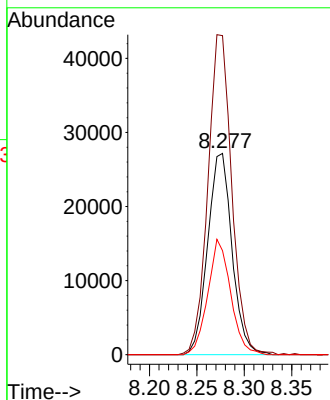
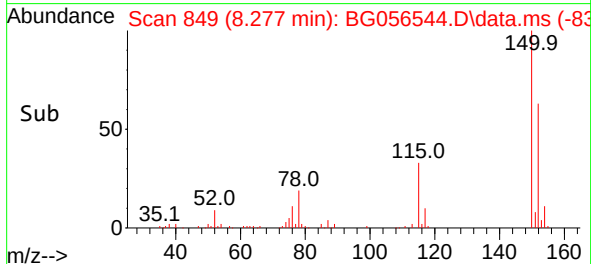
Instrument :
BNA_G
ClientSampleId :
JPP-18A-020223



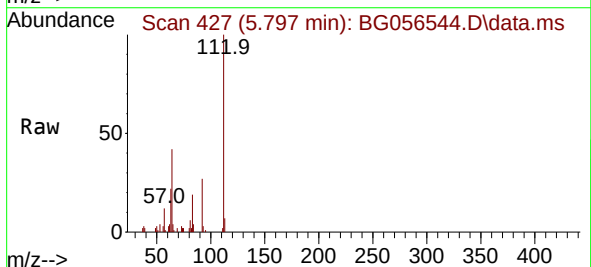
Tgt Ion:152 Resp: 4852
Ion Ratio Lower Upper
152 100
150 158.4 120.2 180.4
115 51.7 36.3 54.5

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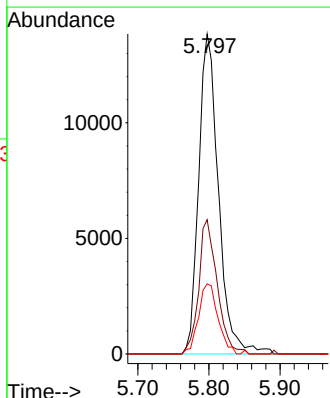
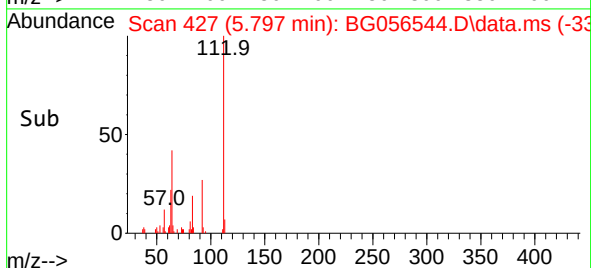
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

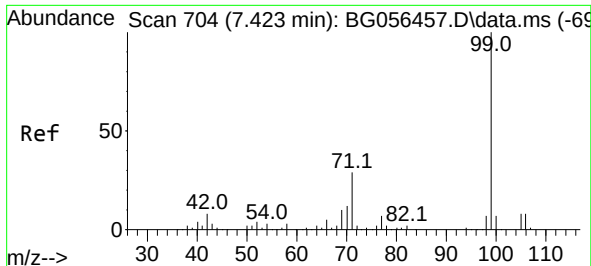


#5
2-Fluorophenol
Concen: 10.171 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.001 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33



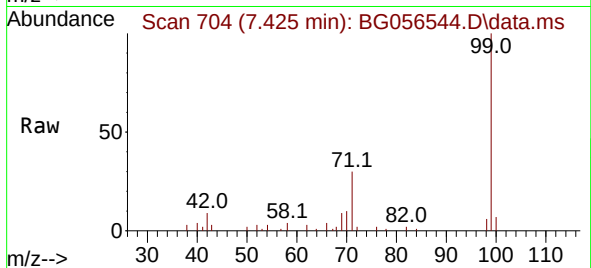
Tgt Ion:112 Resp: 26827
Ion Ratio Lower Upper
112 100
64 42.0 31.9 47.9
63 21.9 17.4 26.0





#7
Phenol-d6
Concen: 9.643 ng
RT: 7.425 min Scan# 704
Delta R.T. 0.007 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

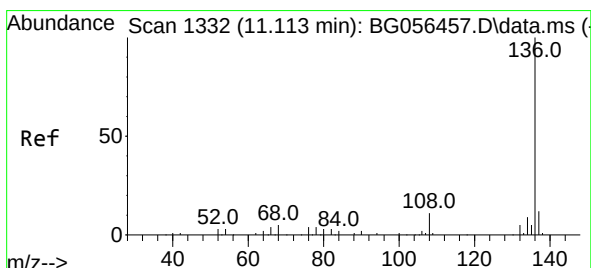
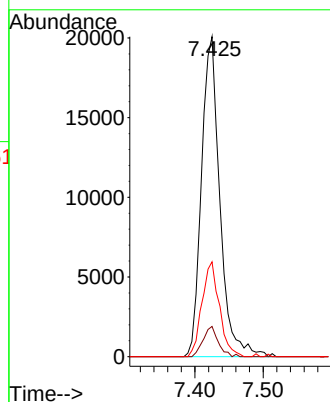
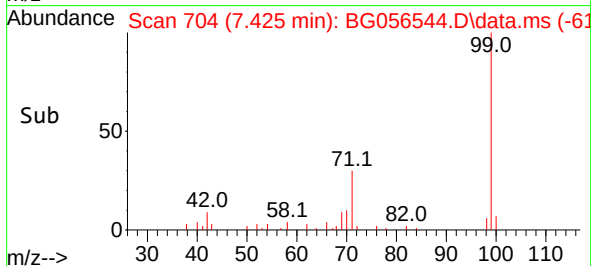
Instrument :
BNA_G
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JPP-18A-020223



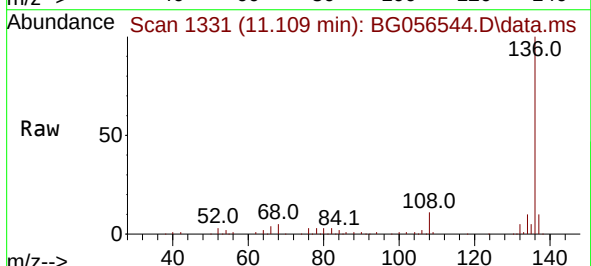
Tgt Ion: 99 Resp: 37689
Ion Ratio Lower Upper
99 100
42 9.5 6.6 10.0
71 29.7 23.4 35.0

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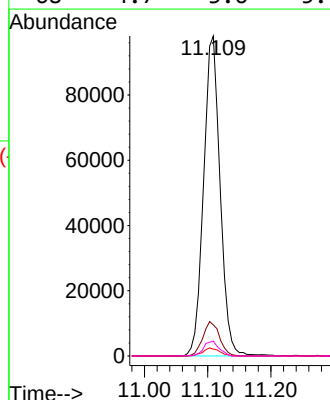
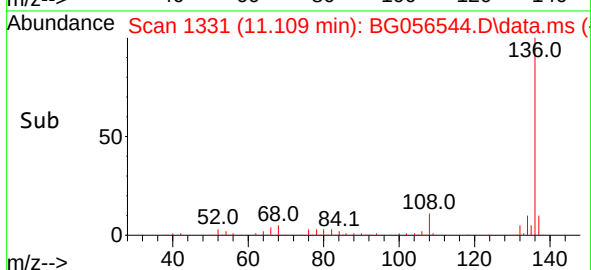
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

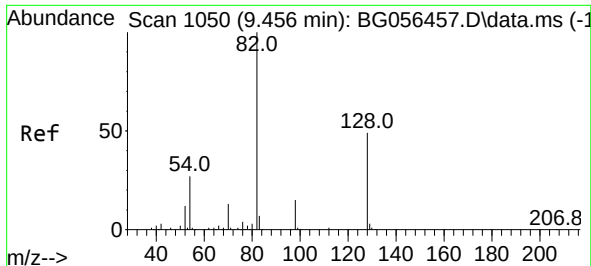


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.109 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33



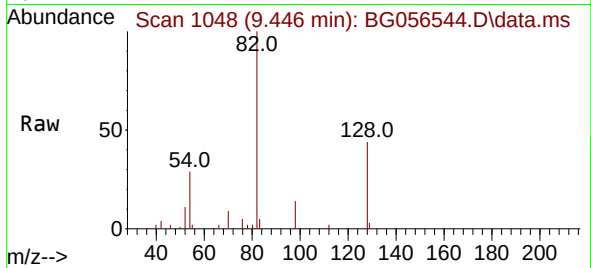
Tgt Ion:136 Resp: 178216
Ion Ratio Lower Upper
136 100
137 9.7 9.4 14.0
54 2.2 2.2 3.4#
68 4.7 3.6 5.4





#23
Nitrobenzene-d5
Concen: 6.637 ng
RT: 9.446 min Scan# 1048
Delta R.T. -0.010 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

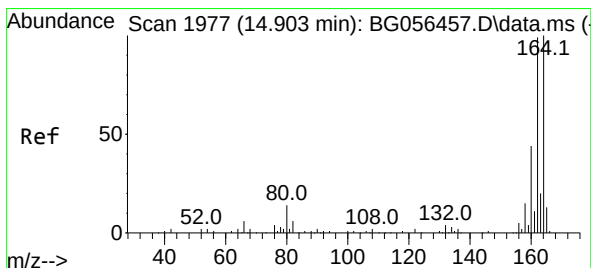
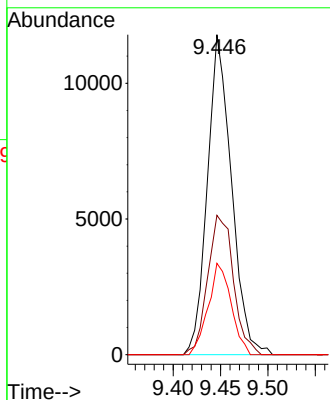
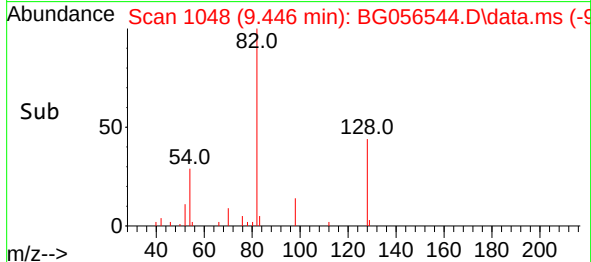
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 82 Resp: 2083
Ion Ratio Lower Upper
82 100
128 43.5 39.4 59.2
54 28.5 21.4 32.2

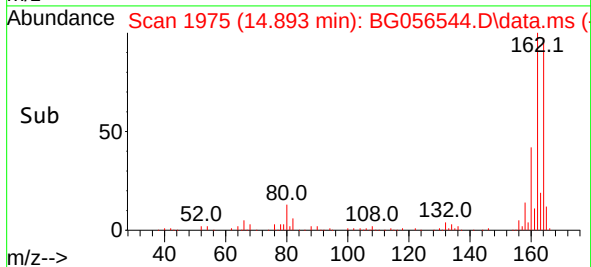
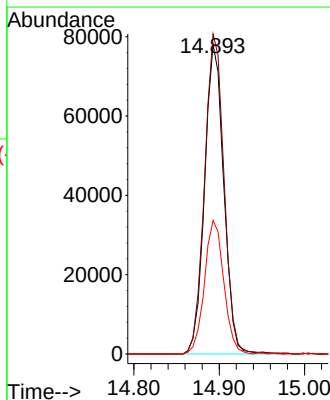
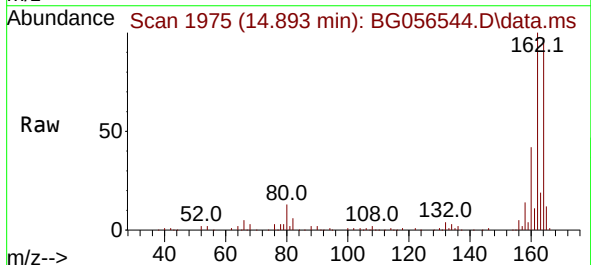
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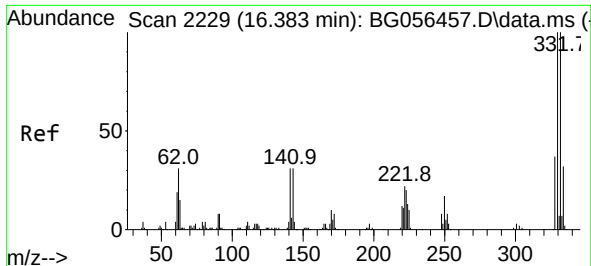
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.893 min Scan# 1975
Delta R.T. -0.004 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

Tgt Ion:164 Resp: 121752
Ion Ratio Lower Upper
164 100
162 103.4 79.6 119.4
160 43.1 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 9.163 ng
RT: 16.379 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

Instrument :

BNA_G

ClientSampleId :

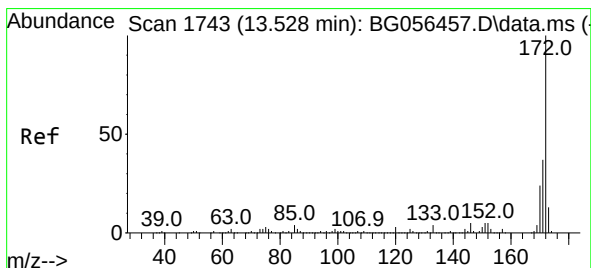
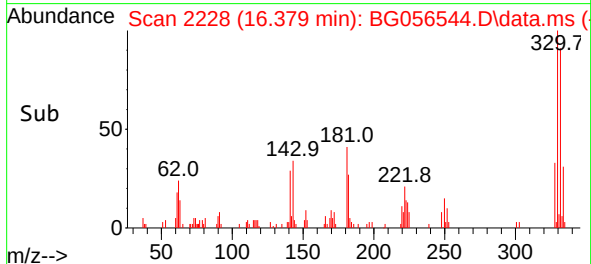
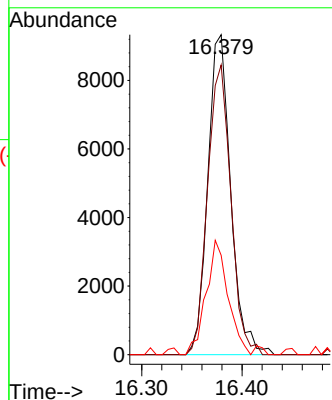
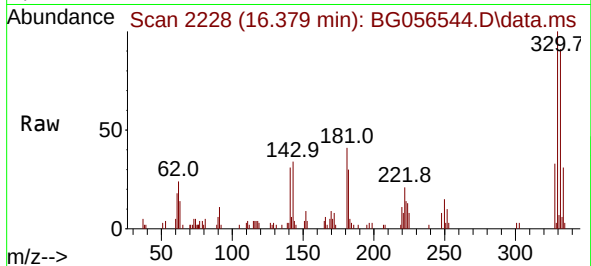
JPP-18A-020223

Tgt Ion:330 Resp: 1483
Ion Ratio Lower Upper
330 100
332 91.8 79.0 118.6
141 34.3 24.2 36.4

Manual Integrations

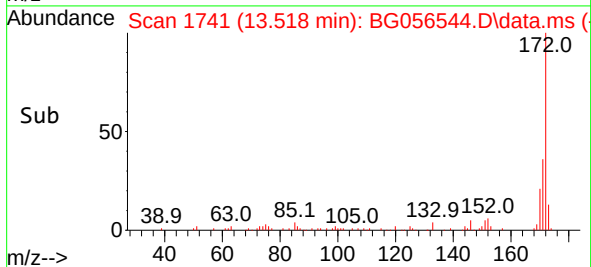
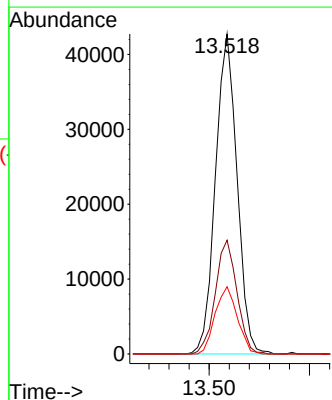
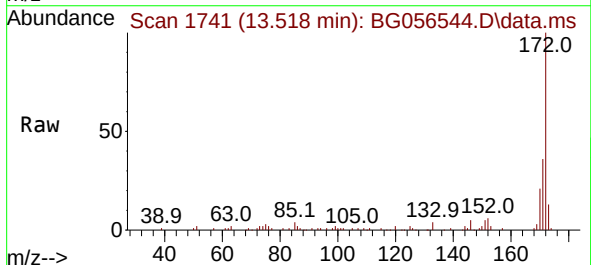
APPROVED

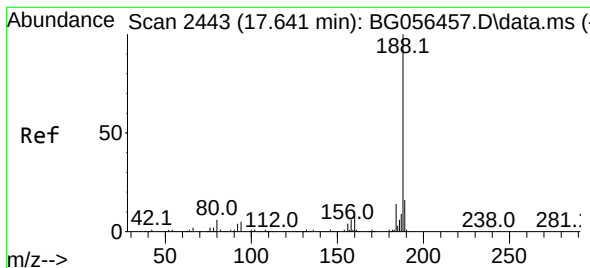
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#45
2-Fluorobiphenyl
Concen: 7.257 ng
RT: 13.518 min Scan# 1741
Delta R.T. -0.004 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

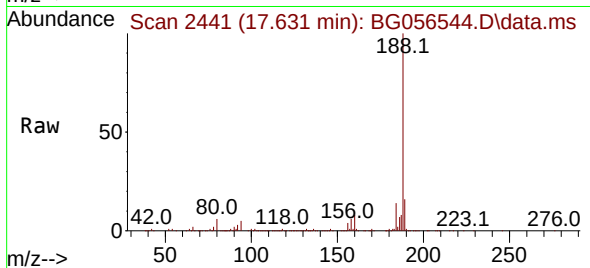
Tgt Ion:172 Resp: 63726
Ion Ratio Lower Upper
172 100
171 35.6 29.5 44.3
170 21.0 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.631 min Scan# 2441
Delta R.T. -0.004 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

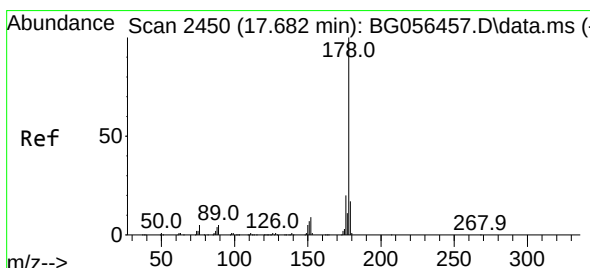
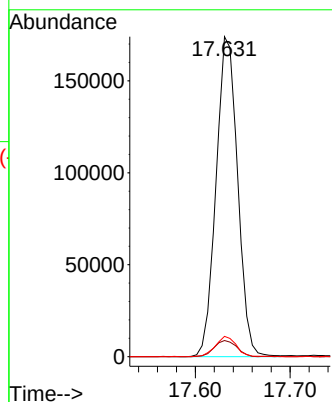
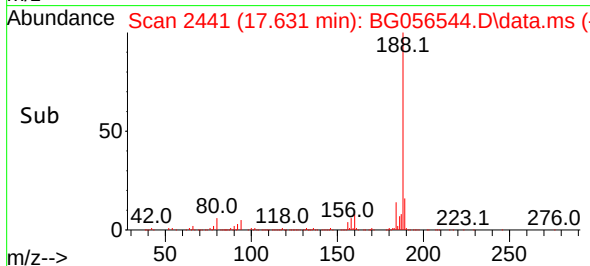
Instrument :
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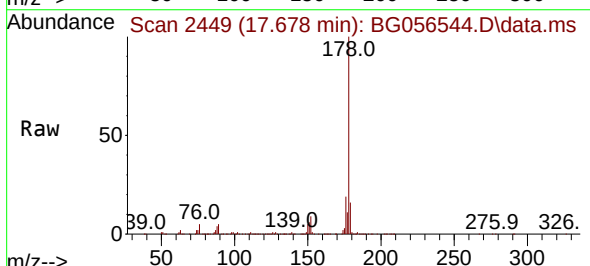
Tgt Ion:188 Resp: 27554
Ion Ratio Lower Upper
188 100
94 5.0 4.1 6.1
80 6.3 5.0 7.4

Manual Integrations
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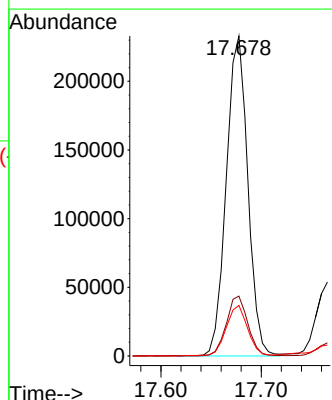
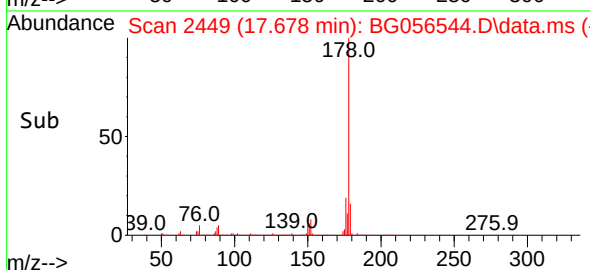
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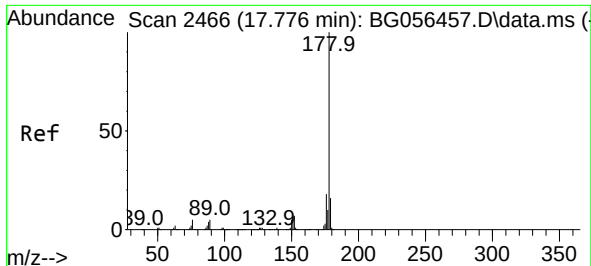


#71
Phenanthrene
Concen: 24.077 ng
RT: 17.678 min Scan# 2449
Delta R.T. 0.001 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33



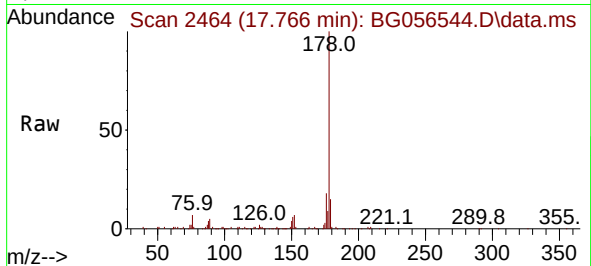
Tgt Ion:178 Resp: 347224
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.8 13.3 19.9





#72
 Anthracene
 Concen: 5.309 ng
 RT: 17.766 min Scan# 2466
 Delta R.T. -0.004 min
 Lab File: BG056544.D
 Acq: 3 Feb 2023 18:33

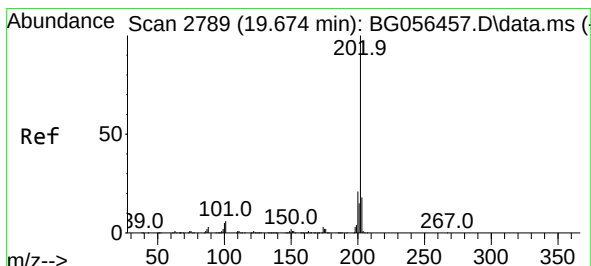
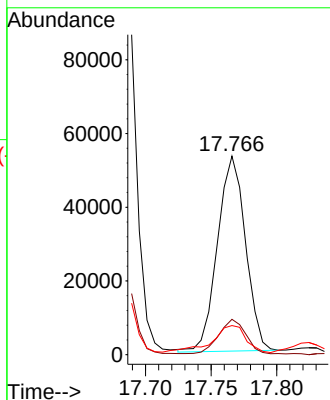
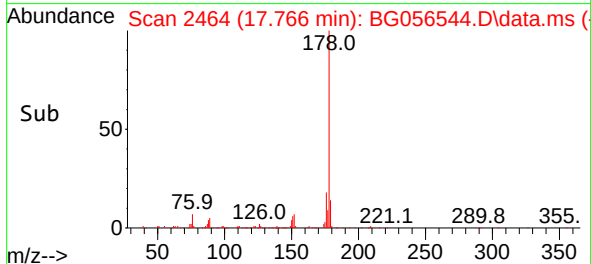
Instrument :
 BNA_G
 ClientSampleId :
 JPP-18A-020223



Tgt Ion:178 Resp: 7859
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.5 21.7
 179 14.7 12.5 18.7

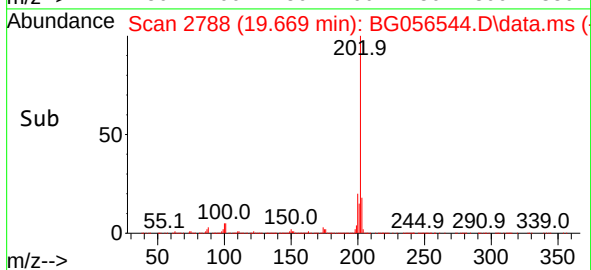
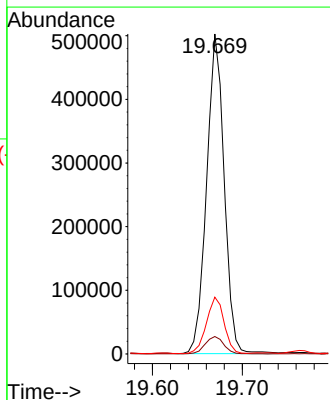
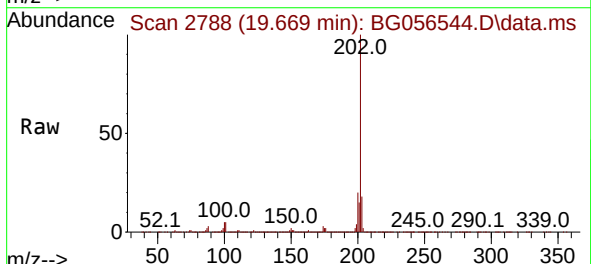
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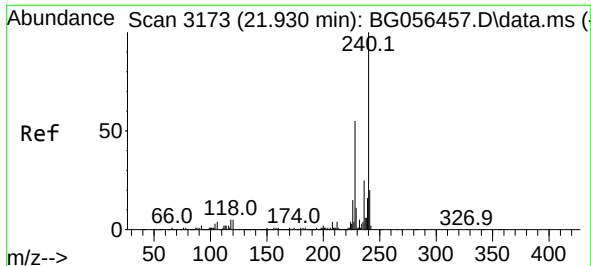
Reviewed By :Christian Giraldo 02/06/2023
 Supervised By :Jagrut Upadhyay 02/06/2023



#75
 Fluoranthene
 Concen: 37.503 ng
 RT: 19.669 min Scan# 2788
 Delta R.T. 0.001 min
 Lab File: BG056544.D
 Acq: 3 Feb 2023 18:33

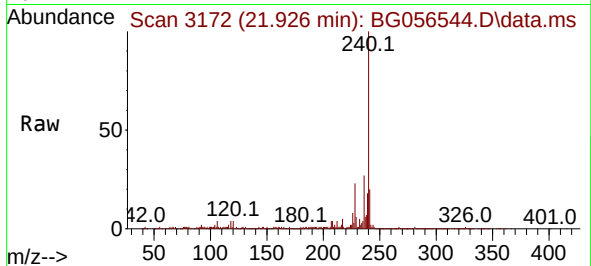
Tgt Ion:202 Resp: 682606
 Ion Ratio Lower Upper
 202 100
 101 5.4 0.0 25.6
 203 17.8 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.926 min Scan# 3173
Delta R.T. 0.001 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

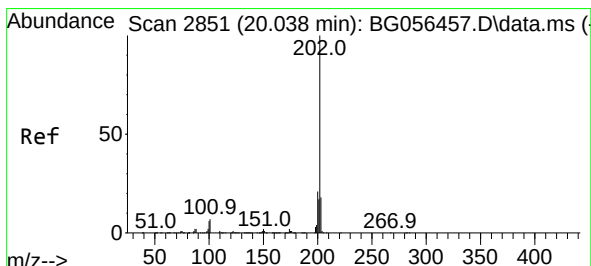
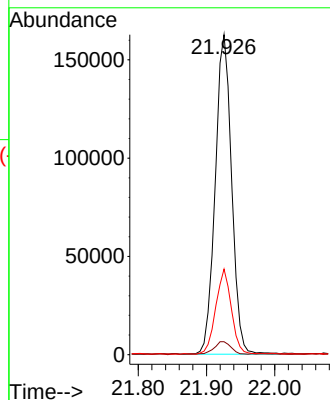
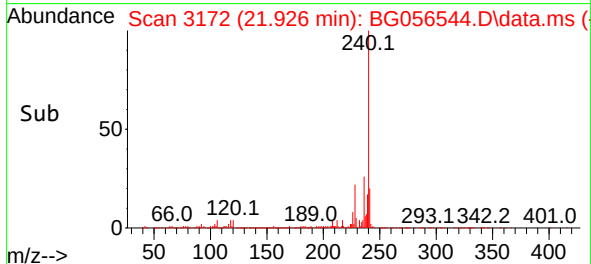
Instrument :
BNA_G
ClientSampleId :
JPP-18A-020223



Tgt Ion:240 Resp: 272340
Ion Ratio Lower Upper
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120 4.1 3.8 5.8
236 26.8 20.2 30.2

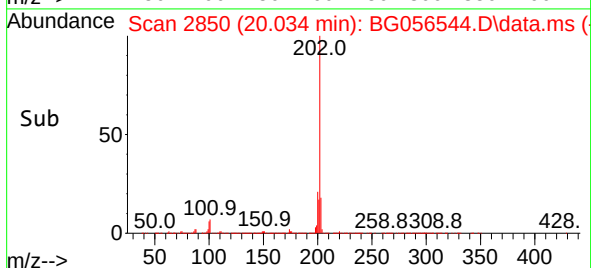
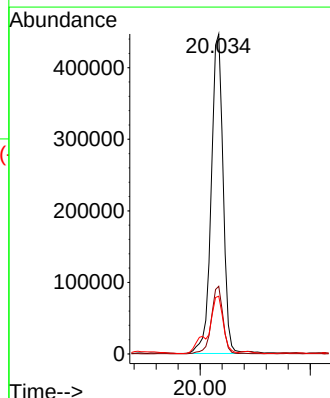
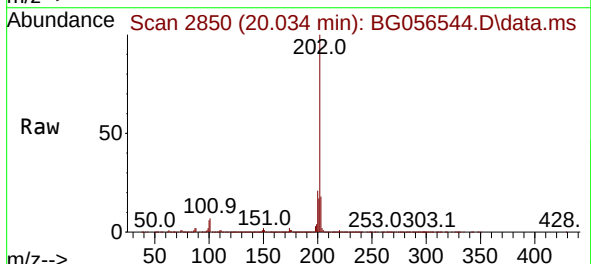
Manual Integrations
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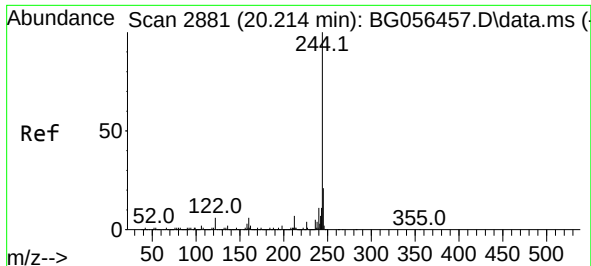
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#78
Pyrene
Concen: 34.748 ng
RT: 20.034 min Scan# 2850
Delta R.T. 0.001 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

Tgt Ion:202 Resp: 673069
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 18.1 14.4 21.6





#79
 Terphenyl-d14
 Concen: 6.583 ng
 RT: 20.204 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG056544.D
 Acq: 3 Feb 2023 18:33

Instrument :

BNA_G

ClientSampleId :

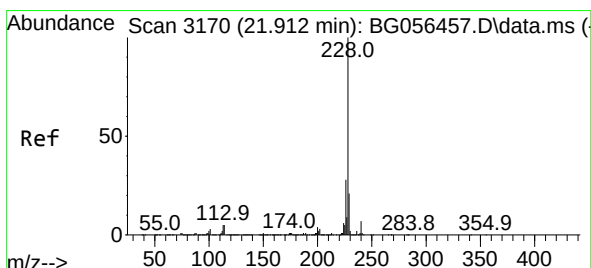
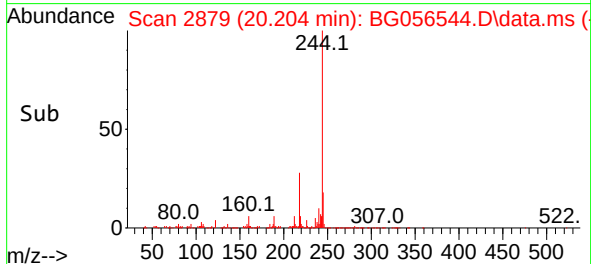
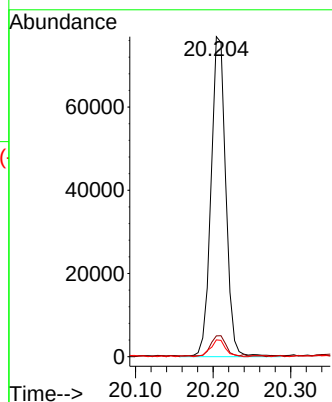
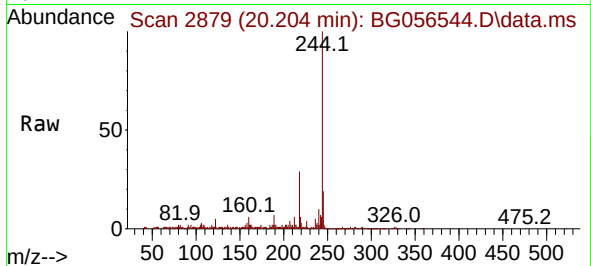
JPP-18A-020223

Tgt Ion:244 Resp: 102080
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 5.3 4.4 6.6

Manual Integrations

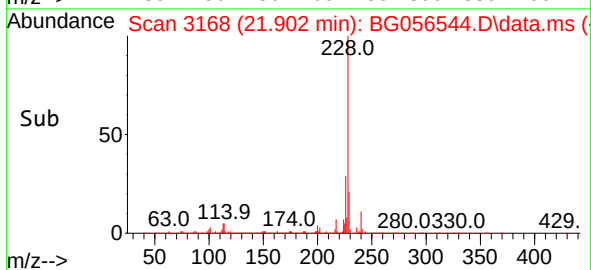
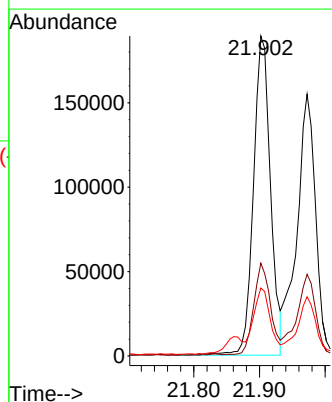
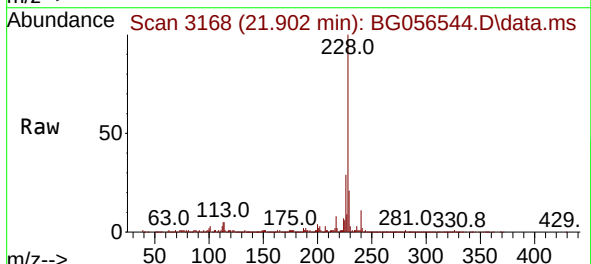
APPROVED

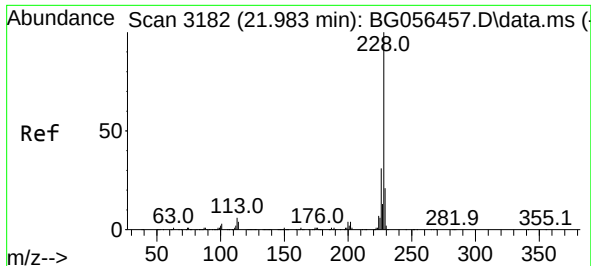
Reviewed By :Christian Giraldo 02/06/2023
 Supervised By :Jagrut Upadhyay 02/06/2023



#81
 Benzo(a)anthracene
 Concen: 17.898 ng
 RT: 21.902 min Scan# 3168
 Delta R.T. 0.001 min
 Lab File: BG056544.D
 Acq: 3 Feb 2023 18:33

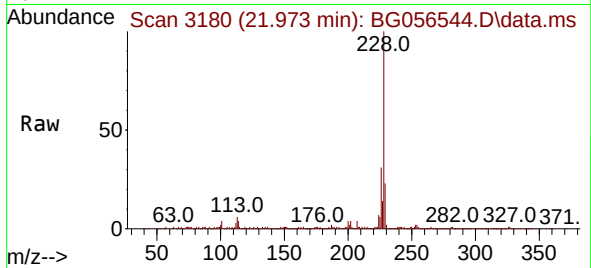
Tgt Ion:228 Resp: 340774
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.4 33.6
 229 21.2 16.5 24.7





#83
Chrysene
Concen: 17.061 ng
RT: 21.973 min Scan# 3182
Delta R.T. -0.004 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

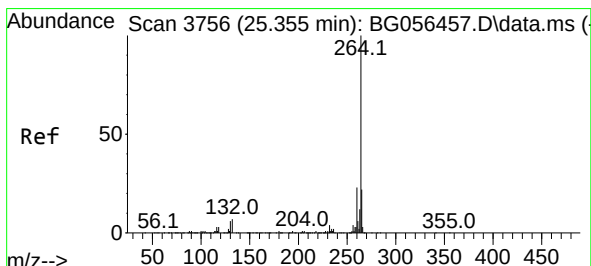
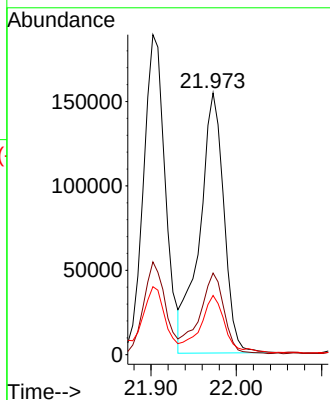
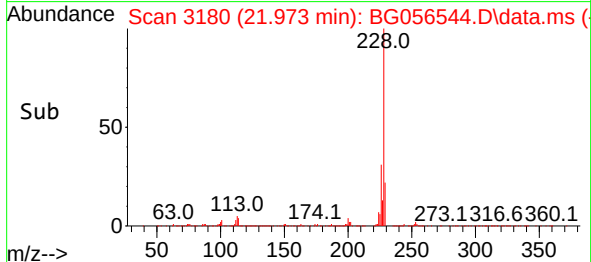
Instrument :
BNA_G
ClientSampleId :
JPP-18A-020223



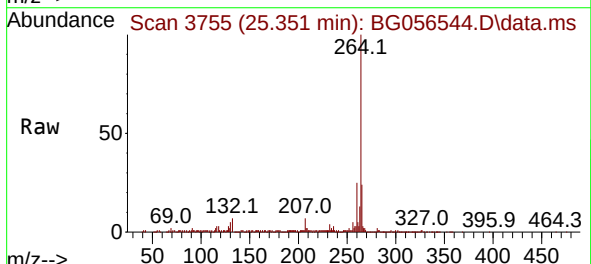
Tgt Ion:228 Resp: 305190
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.4
229 22.6 16.4 24.6

Manual Integrations
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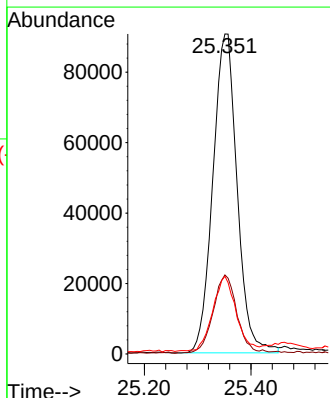
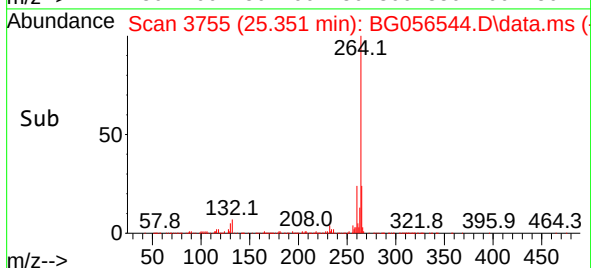
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

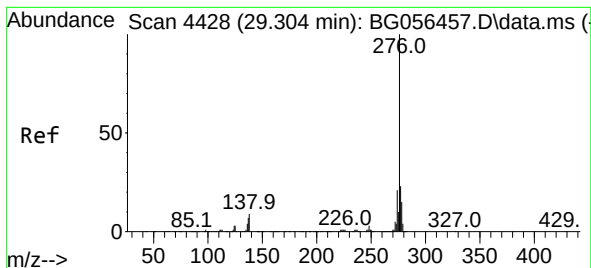


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.351 min Scan# 3755
Delta R.T. 0.007 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33



Tgt Ion:264 Resp: 285959
Ion Ratio Lower Upper
264 100
260 24.7 18.2 27.4
265 24.3 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.954 ng

RT: 29.288 min Scan# 4428

Delta R.T. 0.007 min

Lab File: BG056544.D

Acq: 3 Feb 2023 18:33

Instrument :

BNA_G

ClientSampleId :

JPP-18A-020223

Tgt Ion:276 Resp: 18742

Ion Ratio Lower Upper

276 100

138 4.0 9.4 14.2

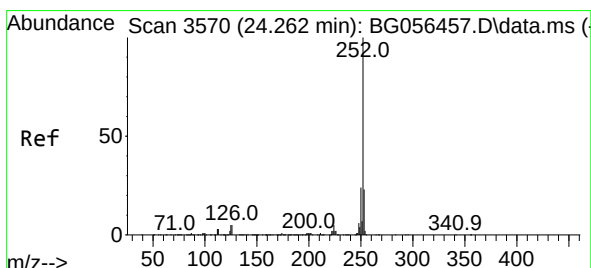
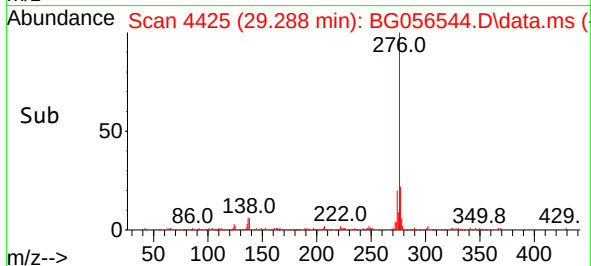
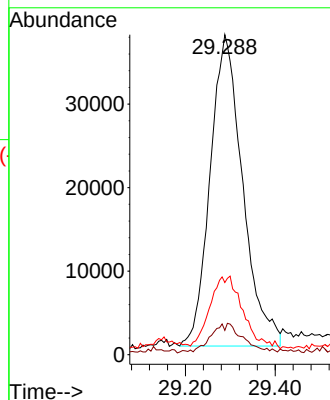
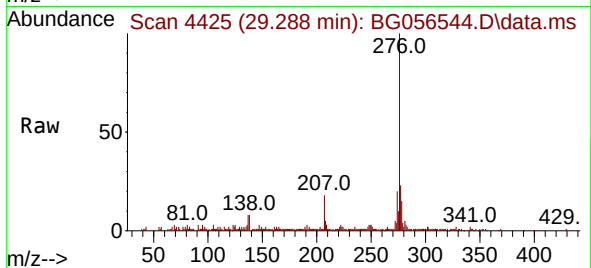
277 10.7 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/06/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#88

Benzo(b)fluoranthene

Concen: 23.781 ng

RT: 24.258 min Scan# 3569

Delta R.T. 0.007 min

Lab File: BG056544.D

Acq: 3 Feb 2023 18:33

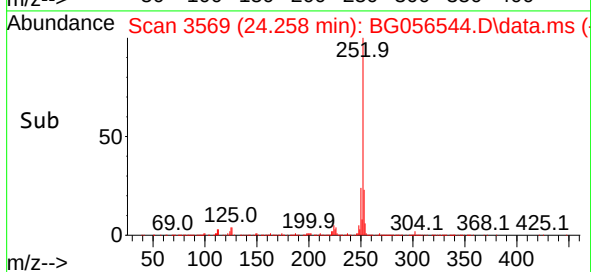
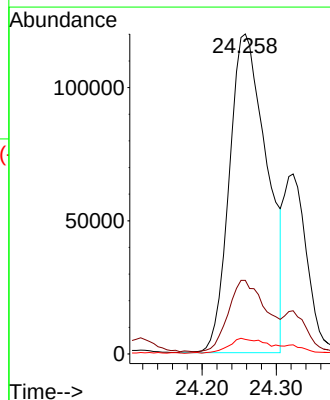
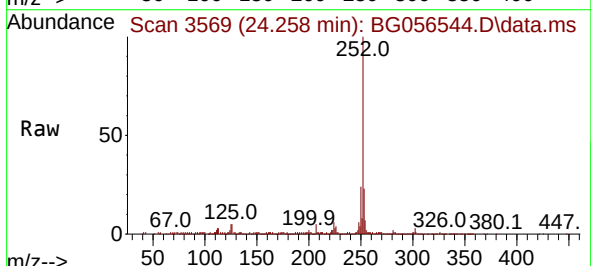
Tgt Ion:252 Resp: 422095

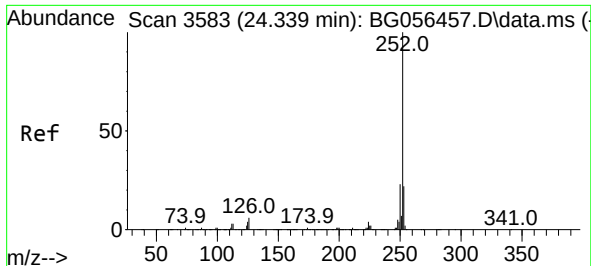
Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

125 4.5 3.9 5.9





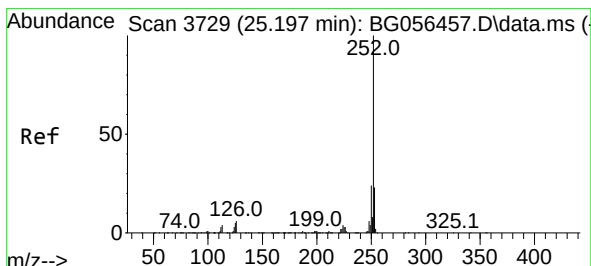
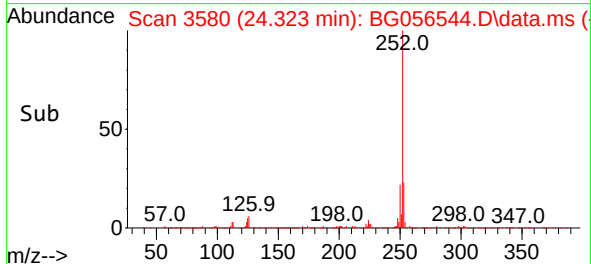
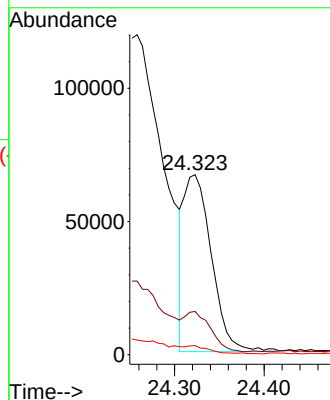
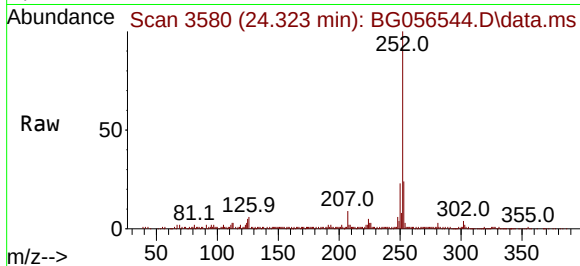
#89
Benzo(k)fluoranthene
Concen: 7.924 ng m
RT: 24.323 min Scan# 3583
Delta R.T. 0.001 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

Instrument :
BNA_G
ClientSampleId :
JPP-18A-020223

Tgt Ion:252 Resp: 141997
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 5.1 3.4 5.0

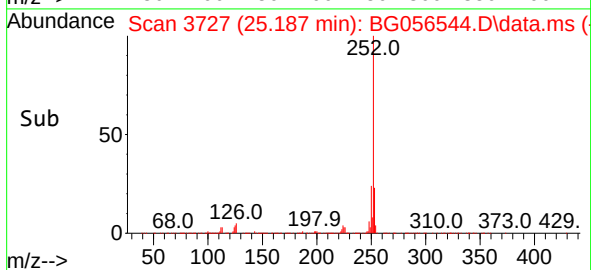
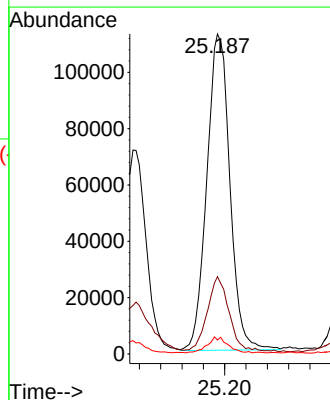
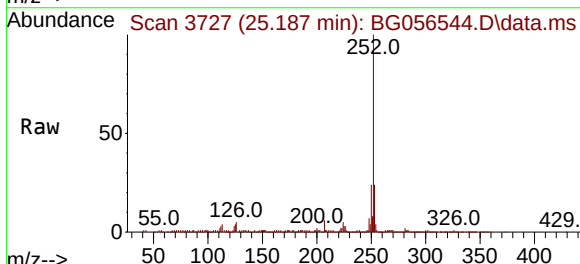
Manual Integrations
APPROVED

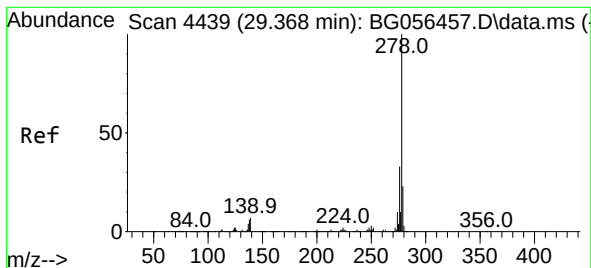
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#90
Benzo(a)pyrene
Concen: 19.298 ng
RT: 25.187 min Scan# 3727
Delta R.T. 0.001 min
Lab File: BG056544.D
Acq: 3 Feb 2023 18:33

Tgt Ion:252 Resp: 337398
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 4.3 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 3.002 ng

RT: 29.323 min Scan# 4439

Delta R.T. -0.022 min

Lab File: BG056544.D

Acq: 3 Feb 2023 18:33

Instrument :

BNA_G

ClientSampleId :

JPP-18A-020223

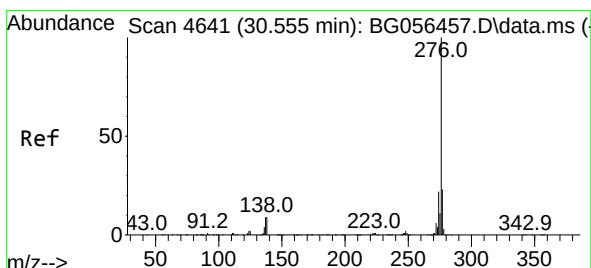
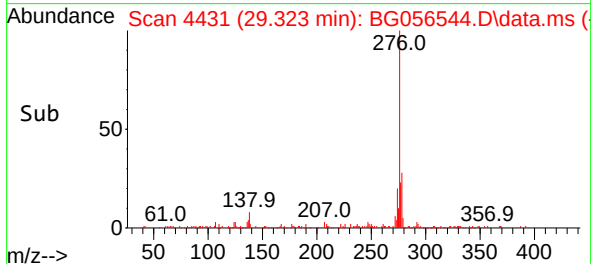
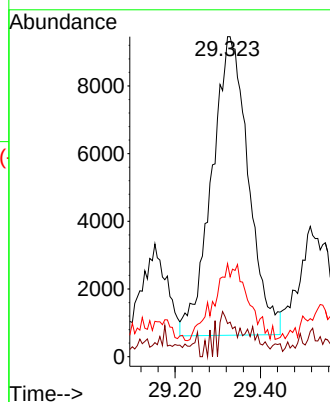
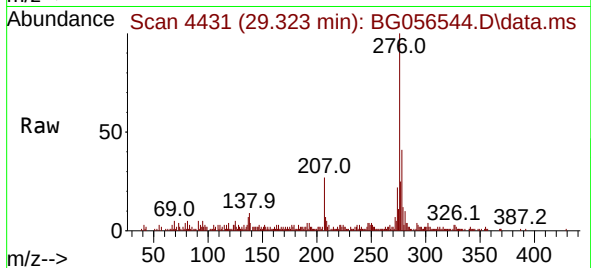
Tgt Ion:278 Resp: 52740

Ion	Ratio	Lower	Upper
278	100		
139	10.4	5.5	8.3
279	29.1	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#92

Benzo(g,h,i)perylene

Concen: 10.815 ng

RT: 30.527 min Scan# 4636

Delta R.T. 0.001 min

Lab File: BG056544.D

Acq: 3 Feb 2023 18:33

Tgt Ion:276 Resp: 183361

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.5	27.7
138	8.4	7.4	11.0

