

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056576.D
 Acq On : 7 Feb 2023 20:47
 Operator : CG/JU
 Sample : 01445-07 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-29-020323

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/08/2023
 Supervised By : Jagrut Upadhyay 02/08/2023

Quant Time: Feb 08 03:07:51 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 08 03:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.269	152	51331	20.000	ng	0.00
21) Naphthalene-d8	11.101	136	191023	20.000	ng	0.00
39) Acenaphthene-d10	14.891	164	134670	20.000	ng	0.00
64) Phenanthrene-d10	17.629	188	297724	20.000	ng	0.00
76) Chrysene-d12	21.924	240	275218	20.000	ng	0.00
86) Perylene-d12	25.361	264	271749	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	138179	49.520	ng	0.00
7) Phenol-d6	7.417	99	189081	45.734	ng	0.00
23) Nitrobenzene-d5	9.444	82	100424	29.853	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	74510	41.617	ng	0.00
45) 2-Fluorobiphenyl	13.510	172	318381	32.777	ng	0.00
79) Terphenyl-d14	20.208	244	504153	32.174	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.956	154	25215	3.423	ng	95
58) Fluorene	15.931	166	25539	2.430	ng	96
71) Phenanthrene	17.676	178	633585	40.660	ng	99
72) Anthracene	17.764	178	154193	9.640	ng	100
75) Fluoranthene	19.674	202	1408406	71.614	ng	98
78) Pyrene	20.032	202	1514816	77.389	ng	97
81) Benzo(a)anthracene	21.906	228	808062	41.997	ng	99
83) Chrysene	21.977	228	730629	40.419	ng	99
87) Indeno(1,2,3-cd)pyrene	29.315	276	337139	16.948	ng	# 92
88) Benzo(b)fluoranthene	24.268	252	994440	58.957	ng	98
89) Benzo(k)fluoranthene	24.327	252	359367m	21.102	ng	
90) Benzo(a)pyrene	25.202	252	829641	49.933	ng	98
91) Dibenzo(a,h)anthracene	29.345	278	73100	4.378	ng	# 85
92) Benzo(g,h,i)perylene	30.567	276	333640m	20.708	ng	

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

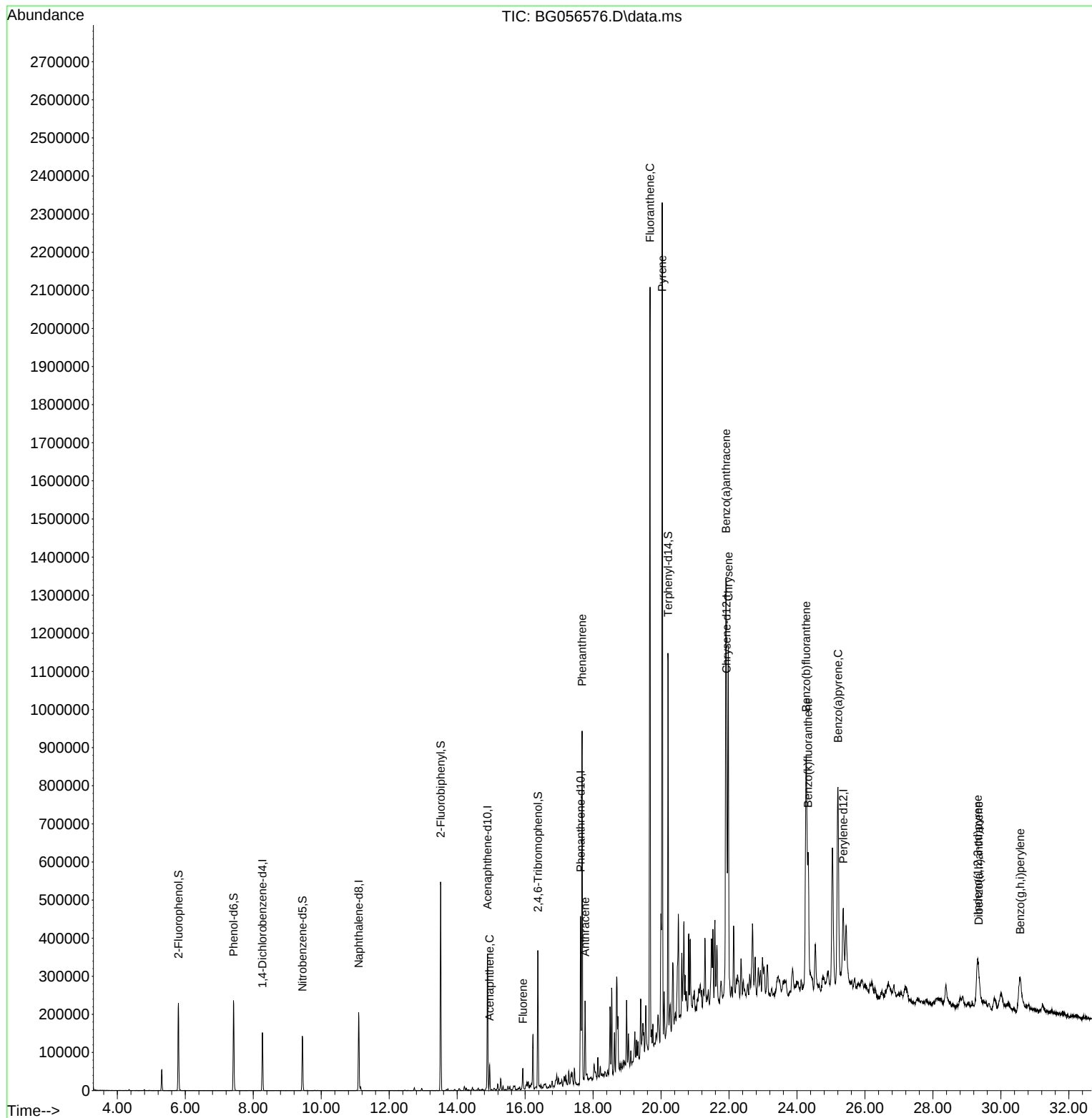
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
Data File : BG056576.D
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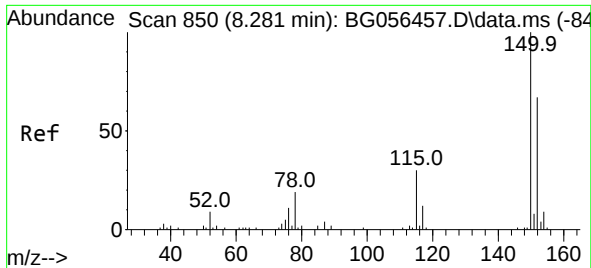
Instrument :
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Quant Time: Feb 08 03:07:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 03:02:11 2023
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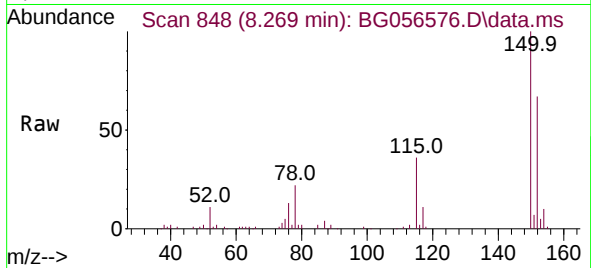
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.269 min Scan# 84
Delta R.T. 0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

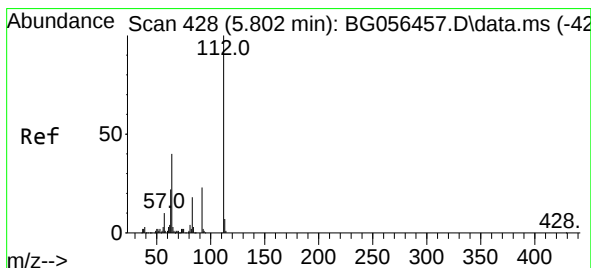
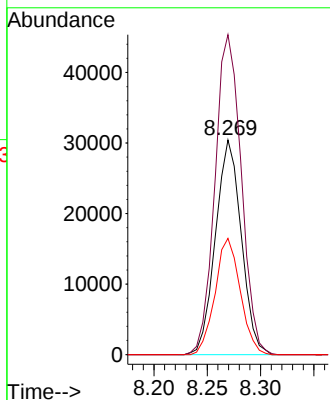
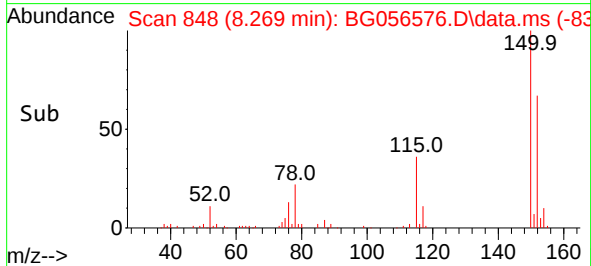
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323



Tgt Ion:152 Resp: 5133
Ion Ratio Lower Upper
152 100
150 149.1 120.2 180.4
115 54.1 36.3 54.5

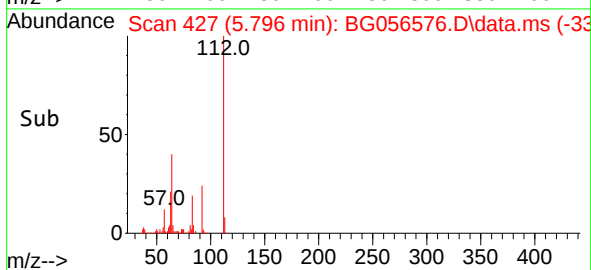
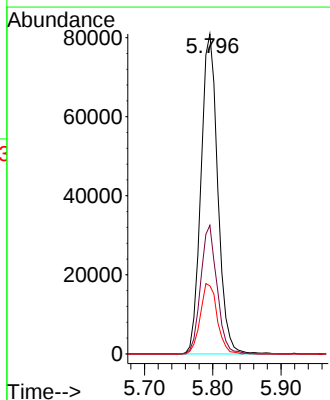
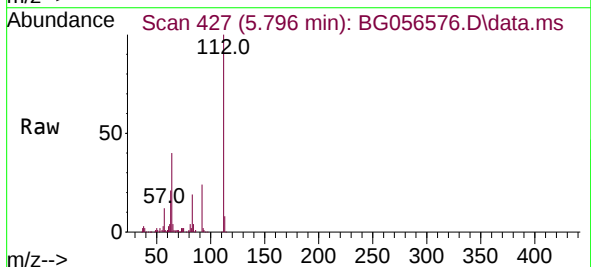
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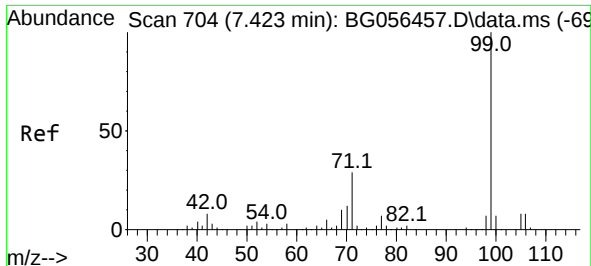
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#5
2-Fluorophenol
Concen: 49.520 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

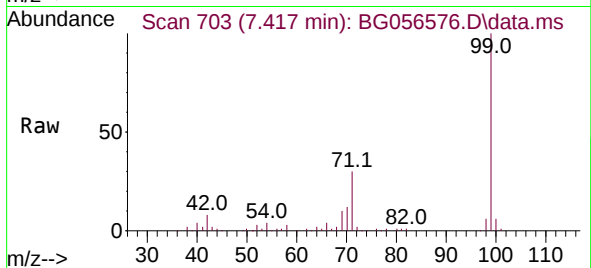
Tgt Ion:112 Resp: 138179
Ion Ratio Lower Upper
112 100
64 40.2 31.9 47.9
63 21.3 17.4 26.0





#7
Phenol-d6
Concen: 45.734 ng
RT: 7.417 min Scan# 704
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

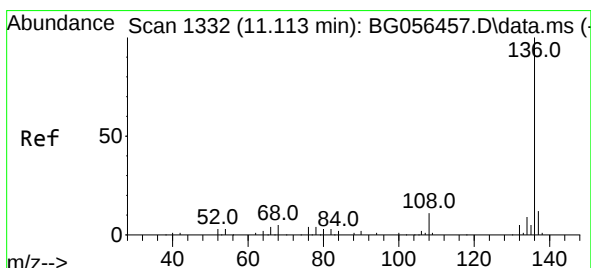
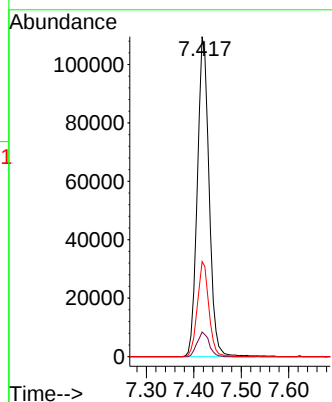
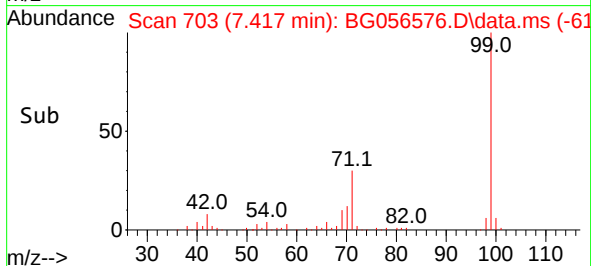
Instrument :
BNA_G
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Tgt Ion: 99 Resp: 18908
Ion Ratio Lower Upper
99 100
42 7.7 6.6 10.0
71 29.7 23.4 35.0

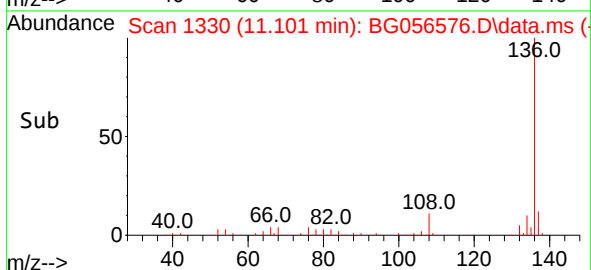
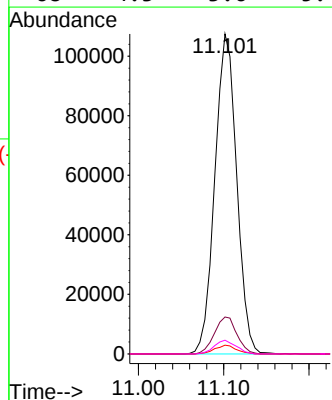
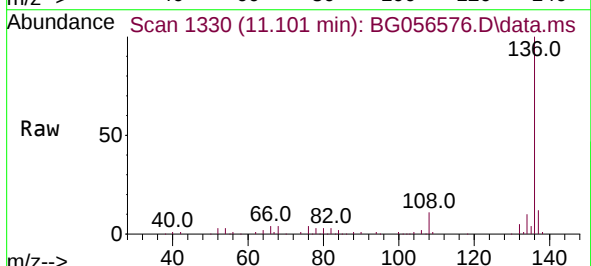
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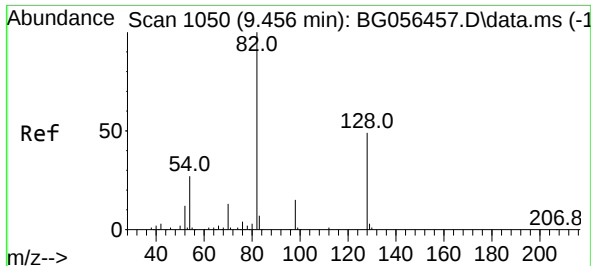
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.101 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

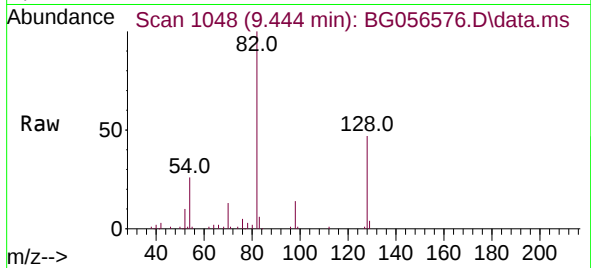
Tgt Ion:136 Resp: 191023
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.7 2.2 3.4
68 4.3 3.6 5.4





#23
Nitrobenzene-d5
Concen: 29.853 ng
RT: 9.444 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

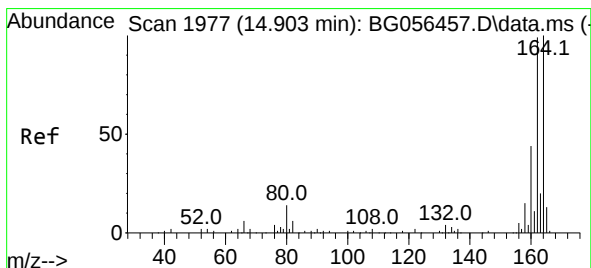
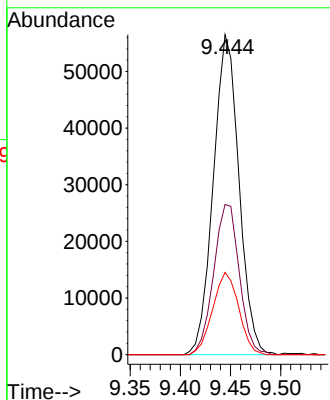
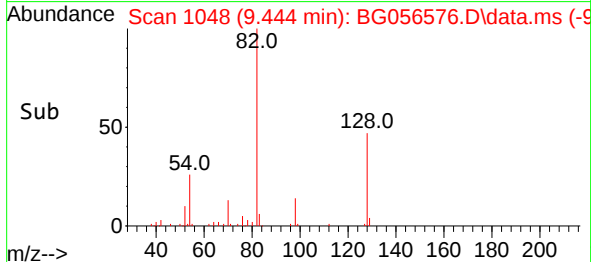
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323



Tgt Ion: 82 Resp: 100424
Ion Ratio Lower Upper
82 100
128 46.9 39.4 59.2
54 25.7 21.4 32.2

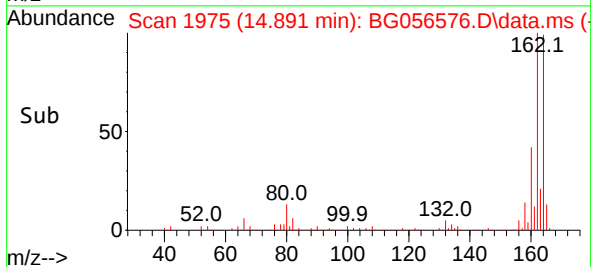
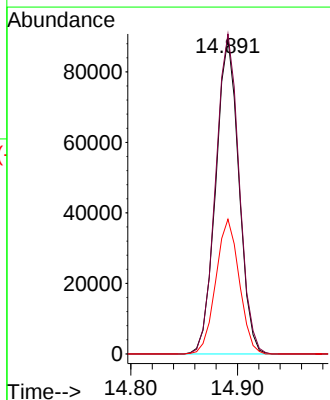
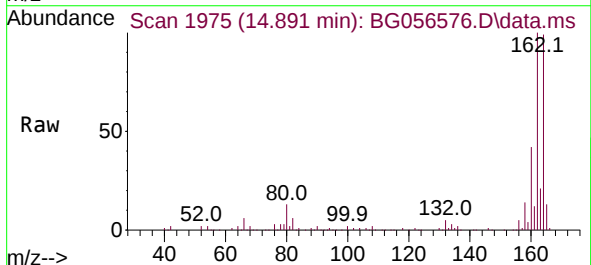
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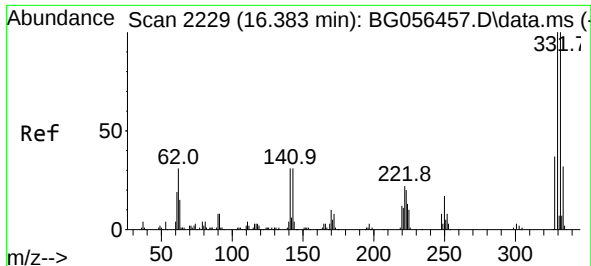
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.891 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

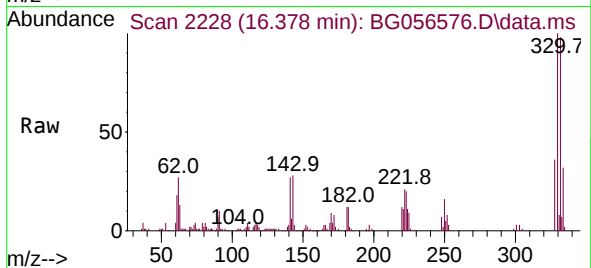
Tgt Ion:164 Resp: 134670
Ion Ratio Lower Upper
164 100
162 101.4 79.6 119.4
160 42.7 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 41.617 ng
RT: 16.378 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

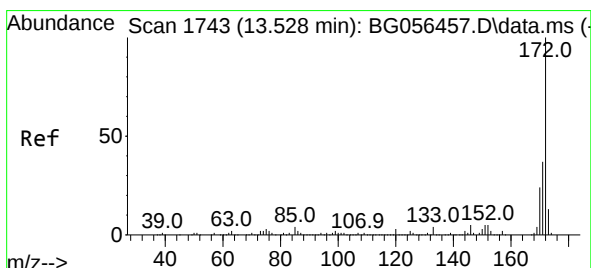
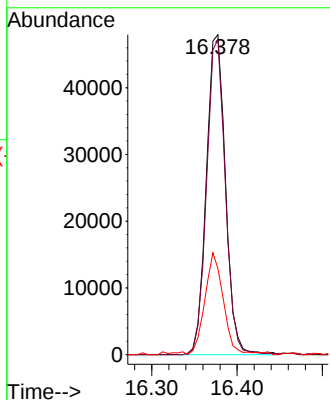
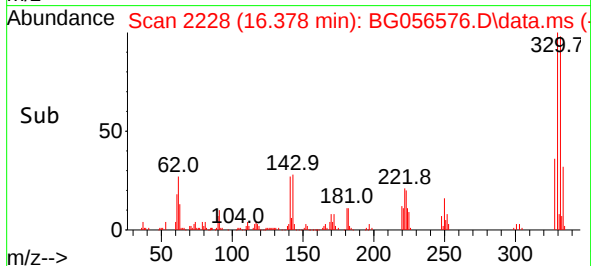
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323



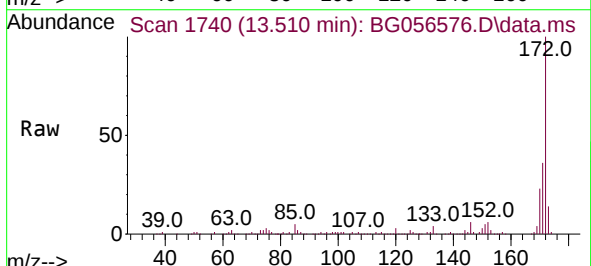
Tgt Ion:330 Resp: 74510
Ion Ratio Lower Upper
330 100
332 96.4 79.0 118.6
141 30.6 24.2 36.4

Manual Integrations
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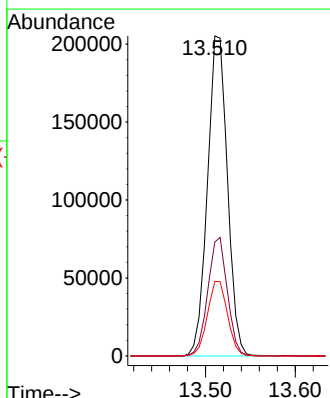
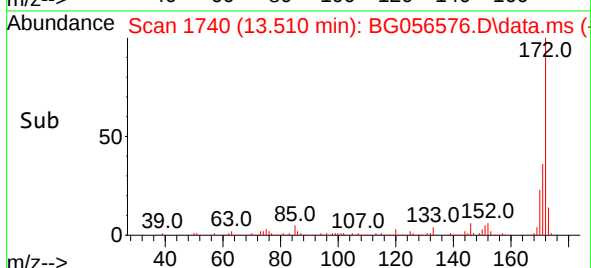
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

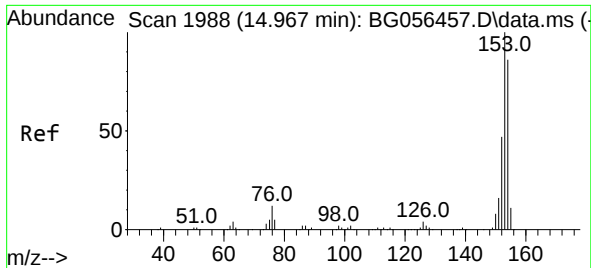


#45
2-Fluorobiphenyl
Concen: 32.777 ng
RT: 13.510 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47



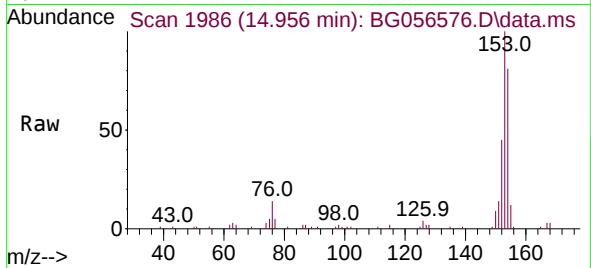
Tgt Ion:172 Resp: 318381
Ion Ratio Lower Upper
172 100
171 35.6 29.5 44.3
170 23.3 19.2 28.8





#52
Acenaphthene
Concen: 3.423 ng
RT: 14.956 min Scan# 1986
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

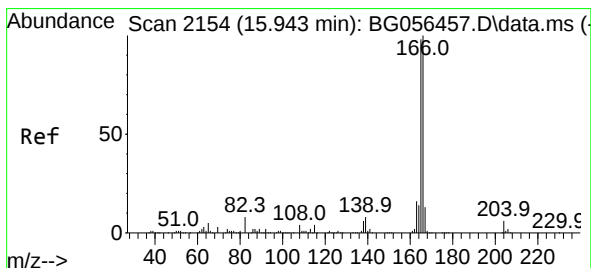
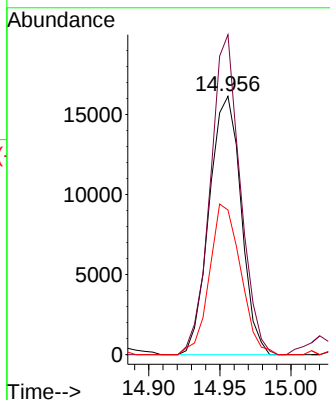
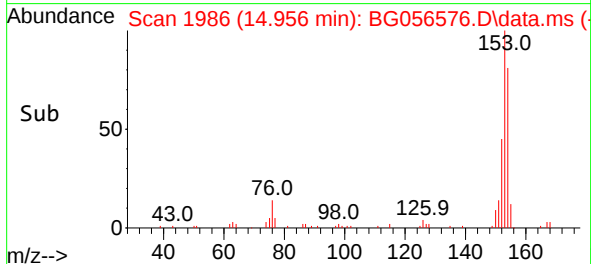
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JPP-29-020323



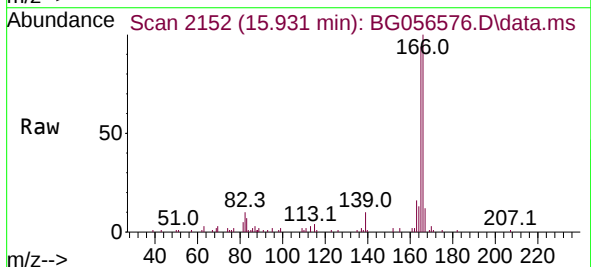
Tgt Ion:154 Resp: 25215
Ion Ratio Lower Upper
154 100
153 123.9 93.4 140.0
152 56.0 43.4 65.2

Manual Integrations
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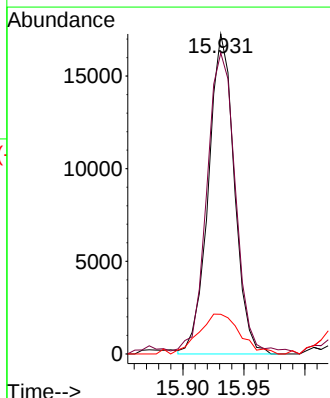
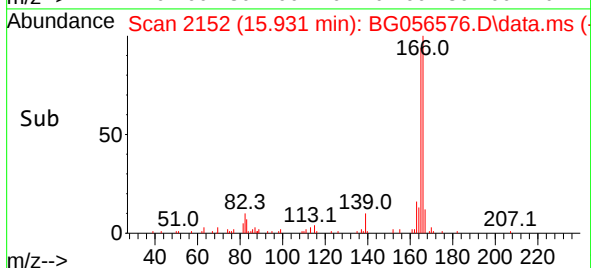
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

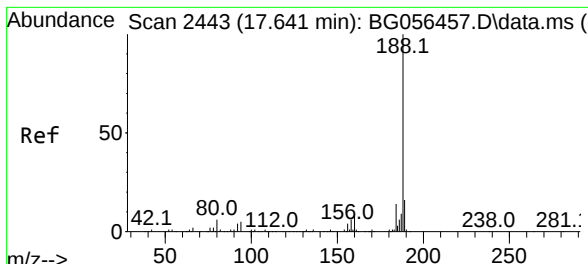


#58
Fluorene
Concen: 2.430 ng
RT: 15.931 min Scan# 2152
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47



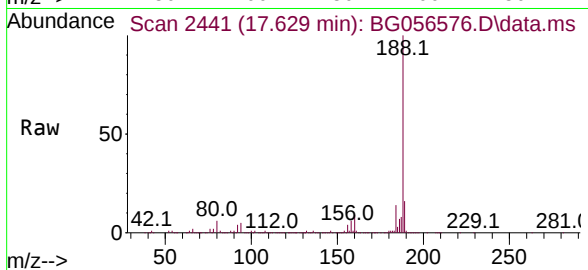
Tgt Ion:166 Resp: 25539
Ion Ratio Lower Upper
166 100
165 94.0 78.8 118.2
167 12.4 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.629 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

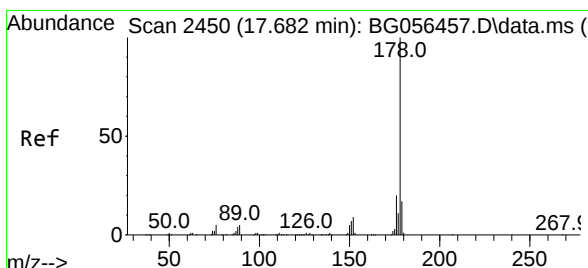
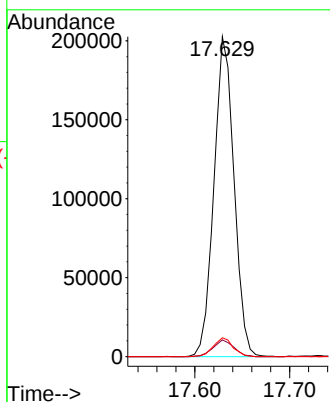
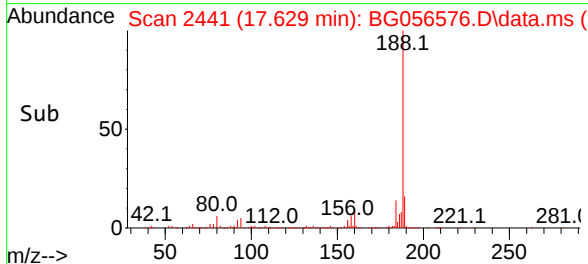
Instrument :
BNA_G
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JPP-29-020323



Tgt Ion:188 Resp: 297724
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 5.9 5.0 7.4

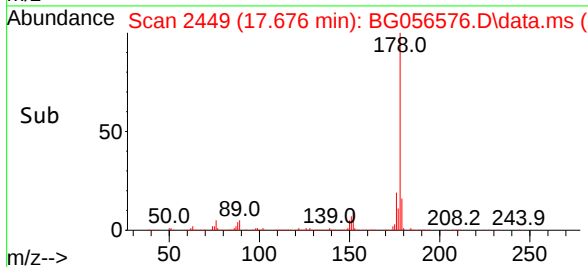
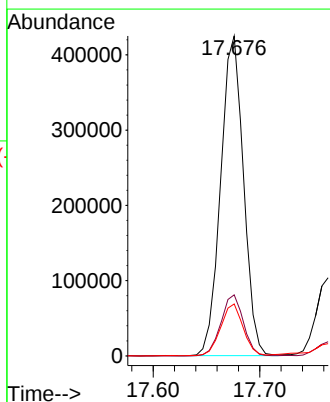
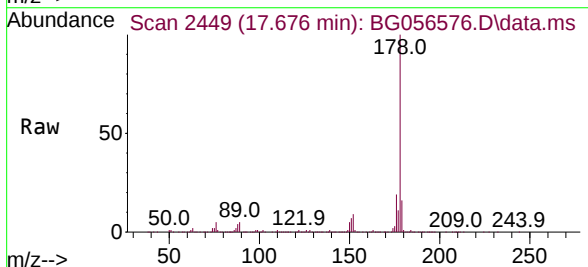
Manual Integrations
APPROVED

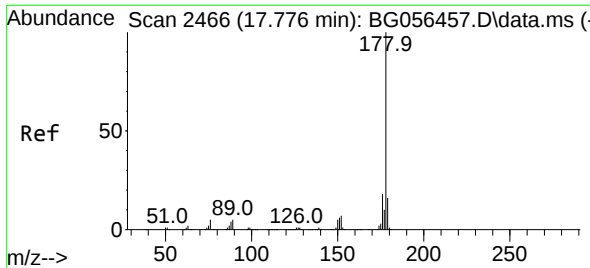
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#71
Phenanthrene
Concen: 40.660 ng
RT: 17.676 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

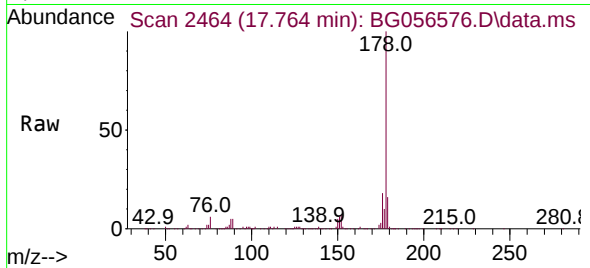
Tgt Ion:178 Resp: 633585
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 16.2 13.3 19.9





#72
 Anthracene
 Concen: 9.640 ng
 RT: 17.764 min Scan# 2466
 Delta R.T. -0.000 min
 Lab File: BG056576.D
 Acq: 7 Feb 2023 20:47

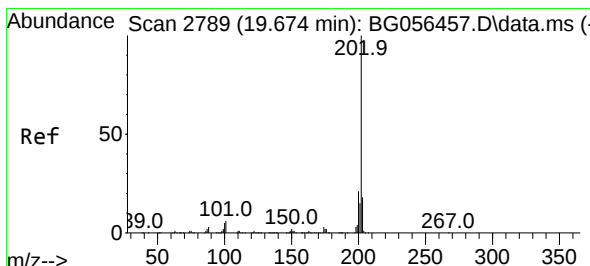
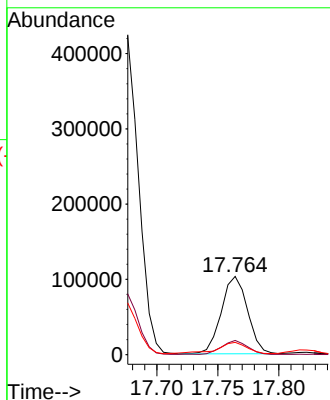
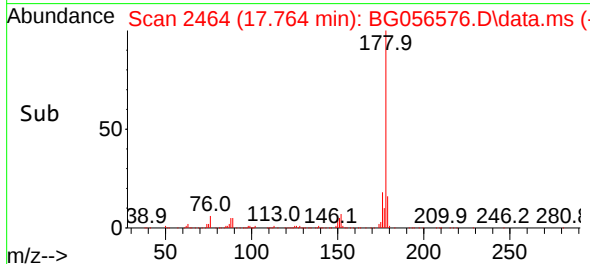
Instrument :
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Tgt Ion:178 Resp: 154193
 Ion Ratio Lower Upper
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 176 18.1 14.5 21.7
 179 15.7 12.5 18.7

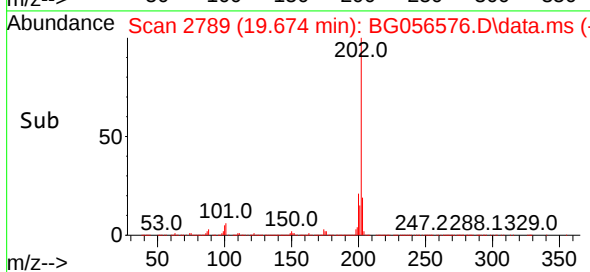
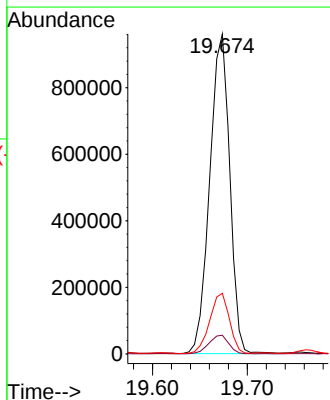
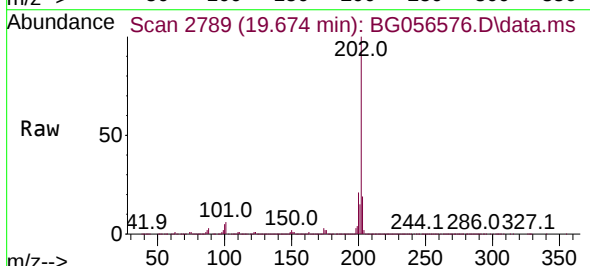
Manual Integrations
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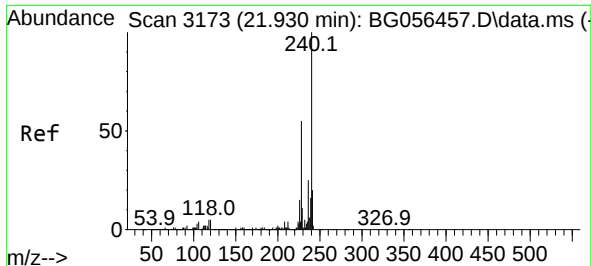
Reviewed By :Christian Giraldo 02/08/2023
 Supervised By :Jagrut Upadhyay 02/08/2023



#75
 Fluoranthene
 Concen: 71.614 ng
 RT: 19.674 min Scan# 2789
 Delta R.T. 0.006 min
 Lab File: BG056576.D
 Acq: 7 Feb 2023 20:47

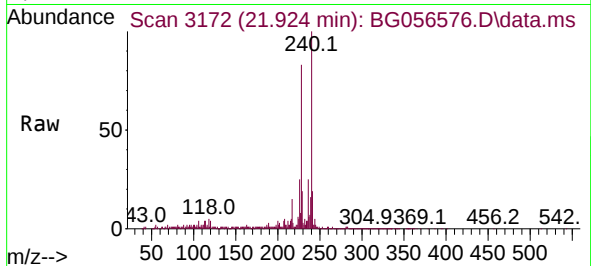
Tgt Ion:202 Resp: 1408406
 Ion Ratio Lower Upper
 202 100
 101 5.8 0.0 25.6
 203 18.9 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3173
Delta R.T. -0.000 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

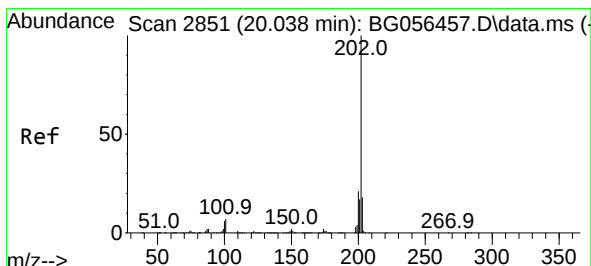
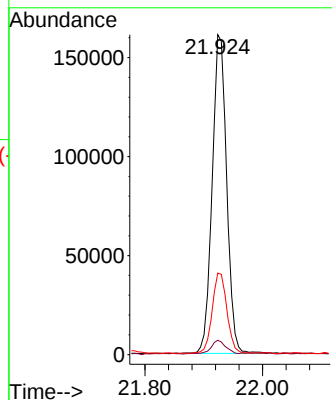
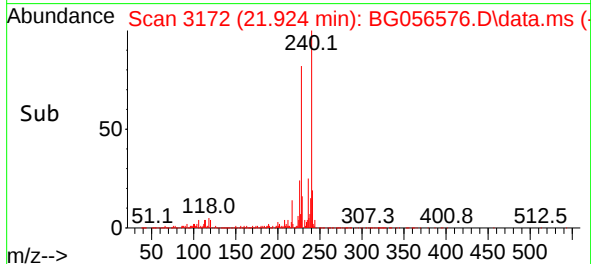
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323



Tgt Ion:240 Resp: 275218
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 25.5 20.2 30.2

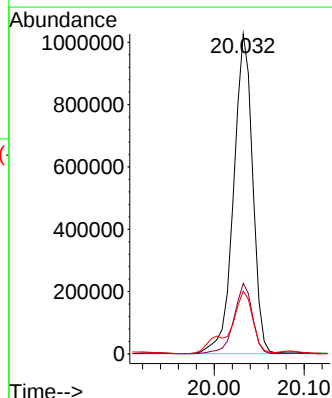
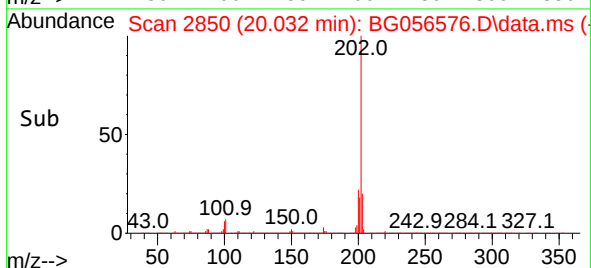
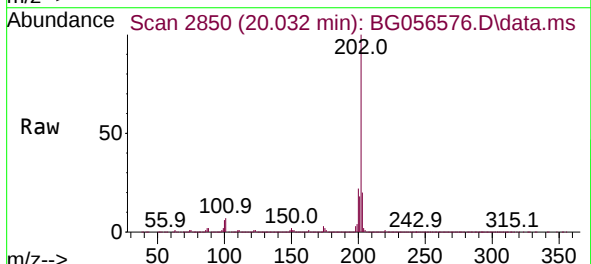
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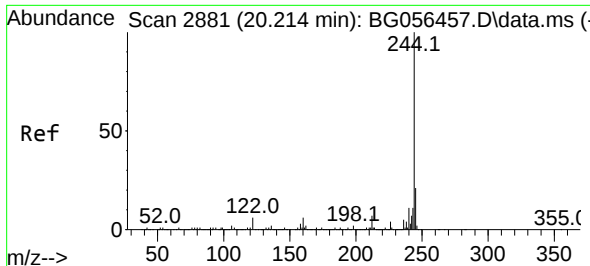
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#78
Pyrene
Concen: 77.389 ng
RT: 20.032 min Scan# 2850
Delta R.T. 0.006 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

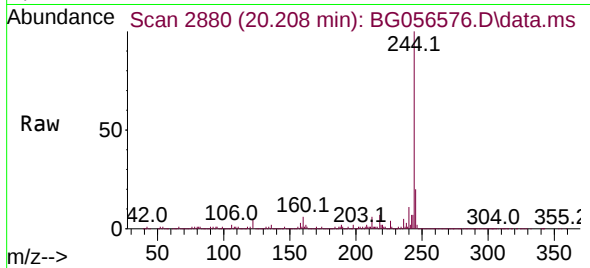
Tgt Ion:202 Resp: 1514816
Ion Ratio Lower Upper
202 100
200 22.0 16.7 25.1
203 19.6 14.4 21.6





#79
 Terphenyl-d14
 Concen: 32.174 ng
 RT: 20.208 min Scan# 2880
 Delta R.T. -0.000 min
 Lab File: BG056576.D
 Acq: 7 Feb 2023 20:47

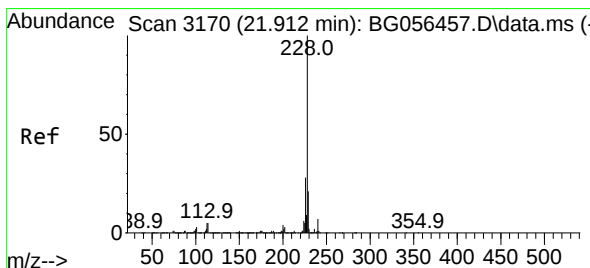
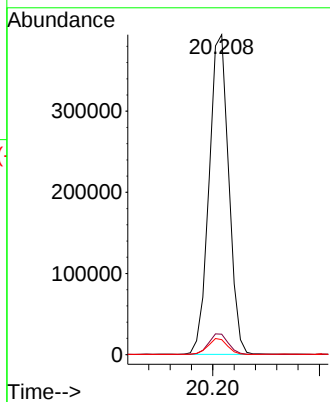
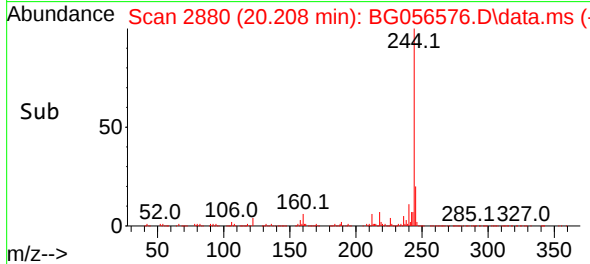
Instrument :
 BNA_G
 ClientSampleId :
 JPP-29-020323



Tgt Ion:244 Resp: 504153
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.5 8.3
 122 4.7 4.4 6.6

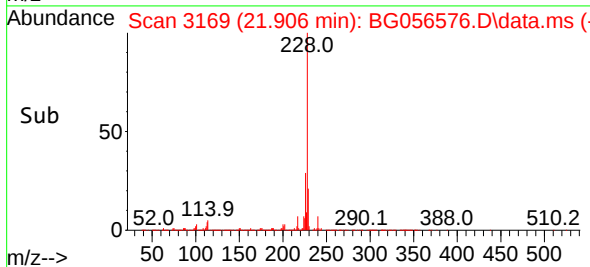
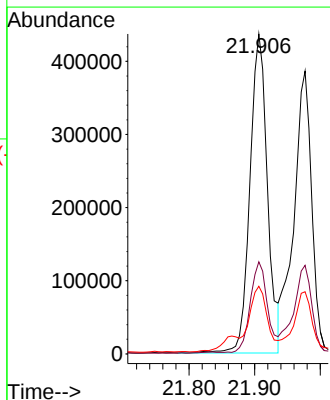
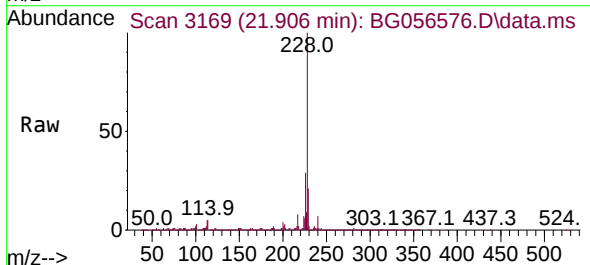
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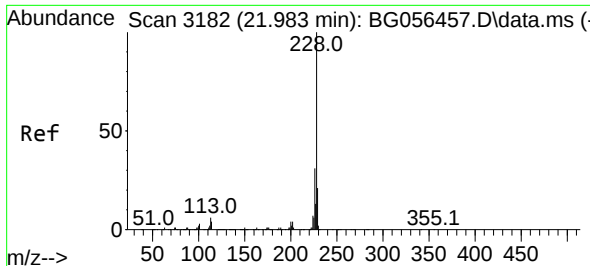
Reviewed By :Christian Giraldo 02/08/2023
 Supervised By :Jagrut Upadhyay 02/08/2023



#81
 Benzo(a)anthracene
 Concen: 41.997 ng
 RT: 21.906 min Scan# 3169
 Delta R.T. 0.006 min
 Lab File: BG056576.D
 Acq: 7 Feb 2023 20:47

Tgt Ion:228 Resp: 808062
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.4 33.6
 229 21.1 16.5 24.7





#83

Chrysene

Concen: 40.419 ng

RT: 21.977 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

Instrument :

BNA_G

ClientSampleId :

JPP-29-020323

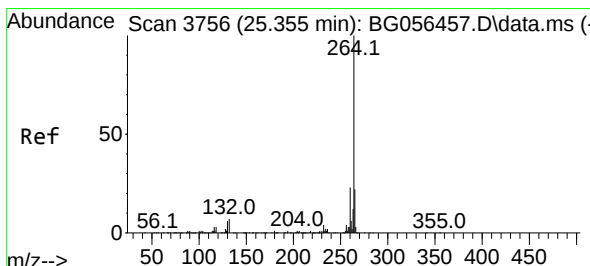
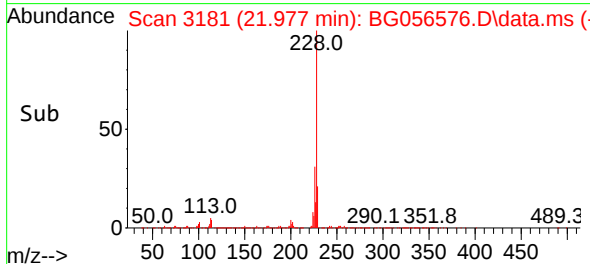
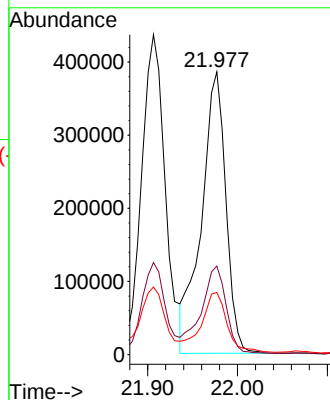
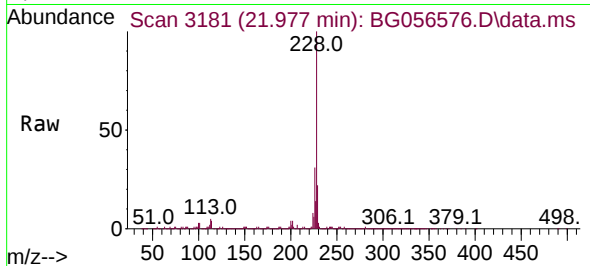
Tgt Ion:228 Resp: 730629

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.4
229	22.0	16.4	24.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.361 min Scan# 3757

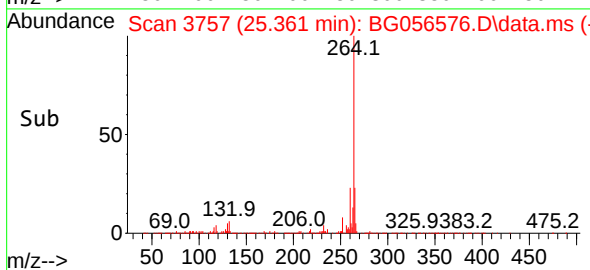
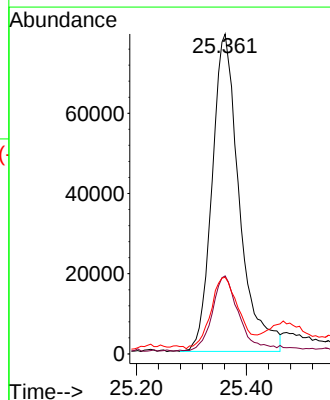
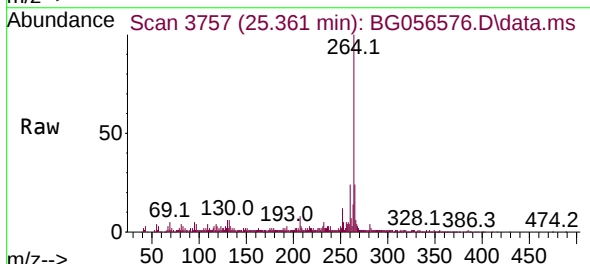
Delta R.T. 0.023 min

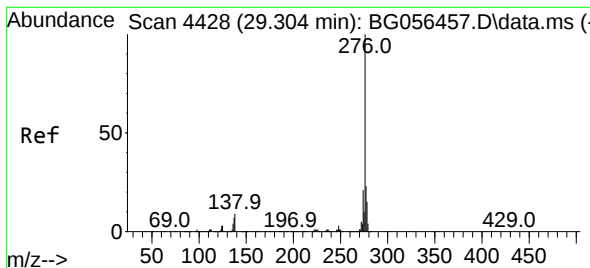
Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

Tgt Ion:264 Resp: 271749

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.2	27.4
265	23.9	18.1	27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.948 ng

RT: 29.315 min Scan# 4428

Delta R.T. 0.029 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

Instrument :

BNA_G

ClientSampleId :

JPP-29-020323

Tgt Ion:276 Resp: 337139

Ion Ratio Lower Upper

276 100

138 7.1 9.4 14.2

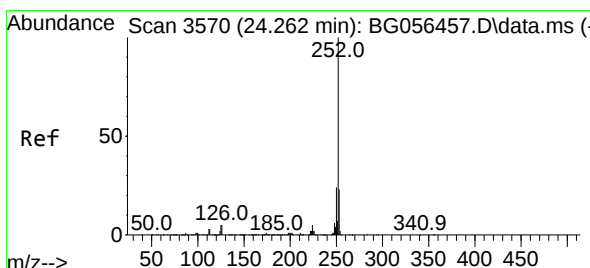
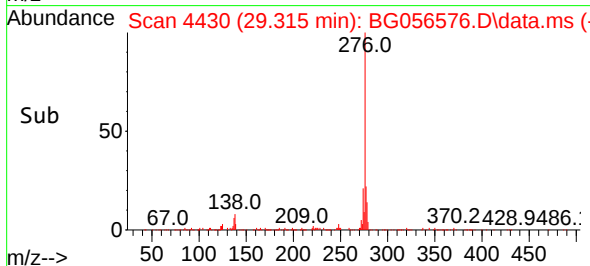
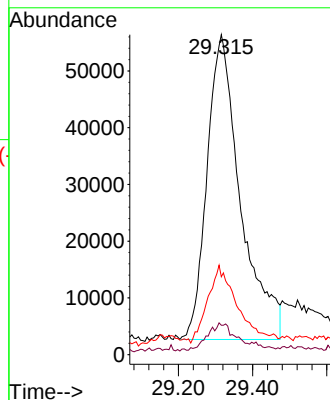
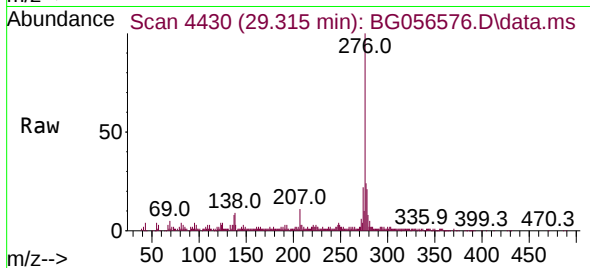
277 22.3 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/08/2023

Supervised By :Jagrut Upadhyay 02/08/2023



#88

Benzo(b)fluoranthene

Concen: 58.957 ng

RT: 24.268 min Scan# 3571

Delta R.T. 0.018 min

Lab File: BG056576.D

Acq: 7 Feb 2023 20:47

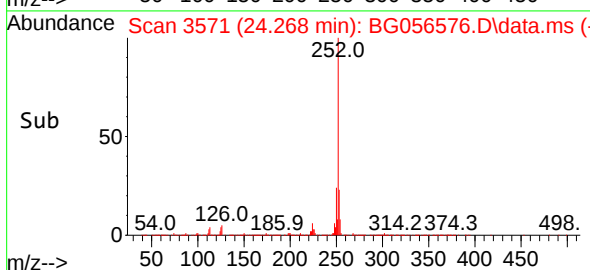
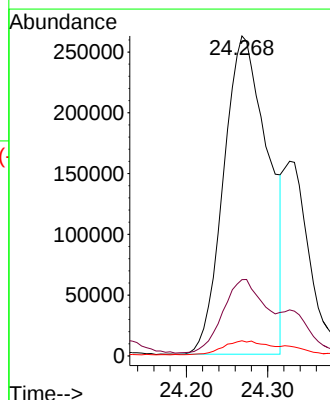
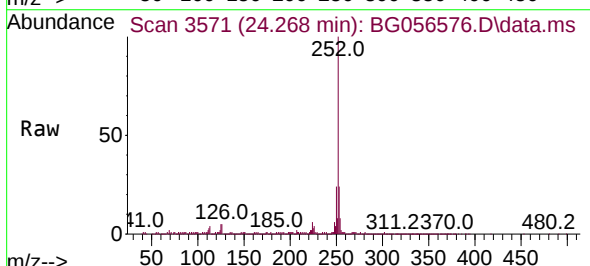
Tgt Ion:252 Resp: 994440

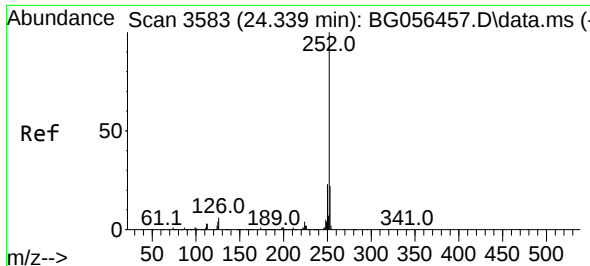
Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

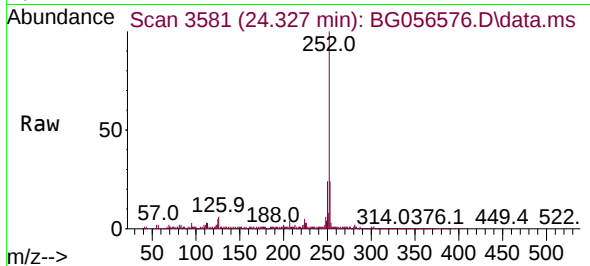
125 4.7 3.9 5.9





#89
Benzo(k)fluoranthene
Concen: 21.102 ng m
RT: 24.327 min Scan# 3583
Delta R.T. 0.006 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

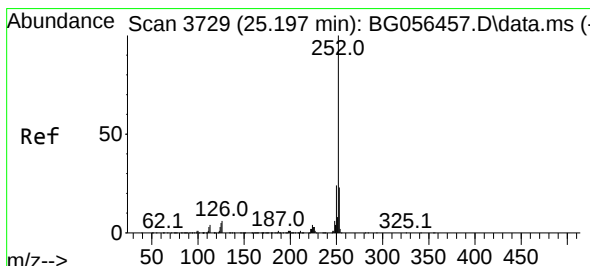
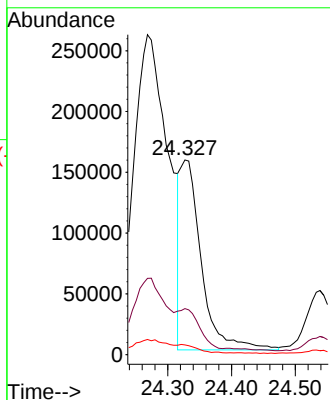
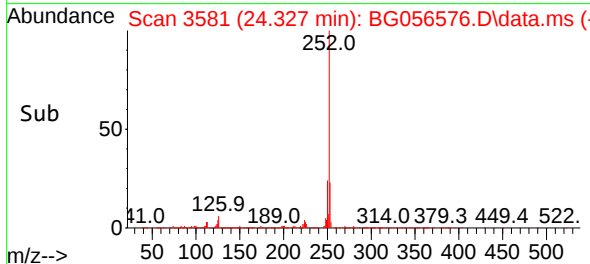
Instrument :
BNA_G
ClientSampleId :
JPP-29-020323



Tgt Ion:252 Resp: 359362
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 5.0 3.4 5.0

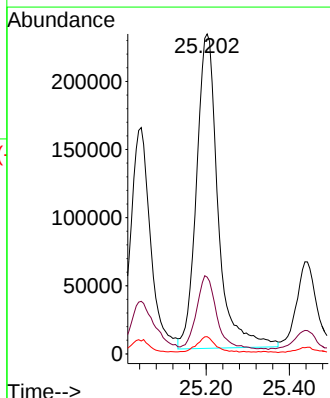
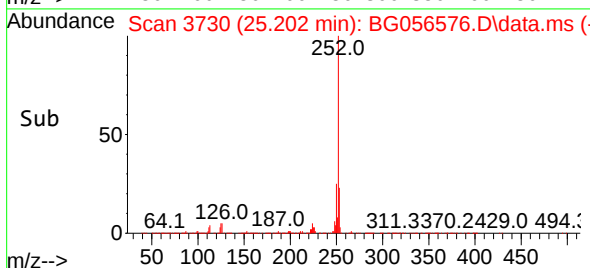
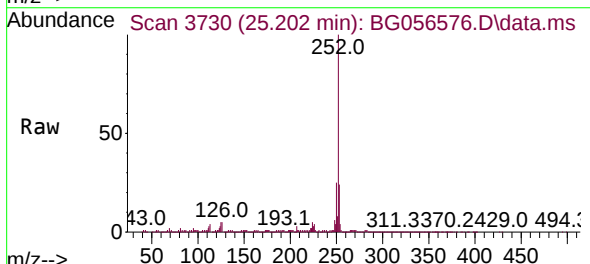
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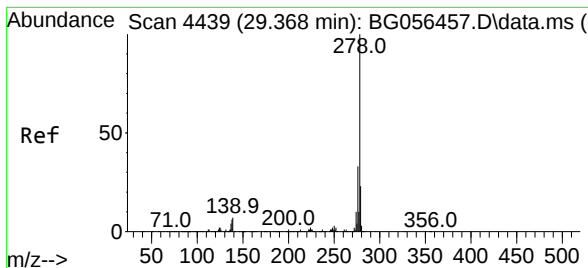
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#90
Benzo(a)pyrene
Concen: 49.933 ng
RT: 25.202 min Scan# 3730
Delta R.T. 0.023 min
Lab File: BG056576.D
Acq: 7 Feb 2023 20:47

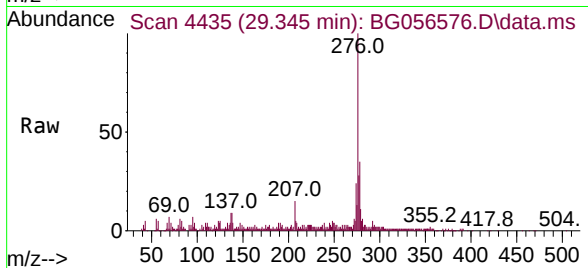
Tgt Ion:252 Resp: 829641
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 5.4 4.1 6.1





#91
 Dibenzo(a,h)anthracene
 Concen: 4.378 ng
 RT: 29.345 min Scan# 4435
 Delta R.T. -0.000 min
 Lab File: BG056576.D
 Acq: 7 Feb 2023 20:47

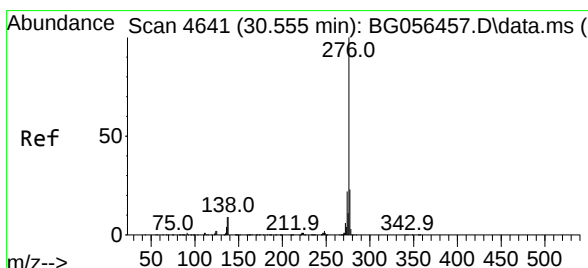
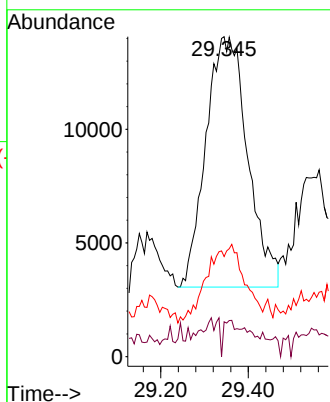
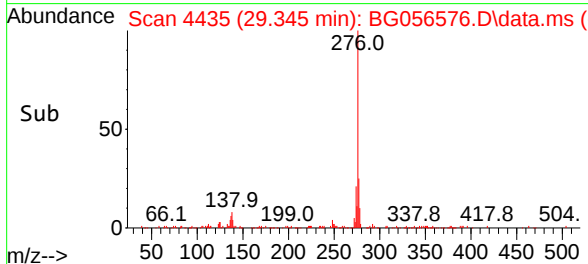
Instrument :
 BNA_G
 ClientSampleId :
 JPP-29-020323



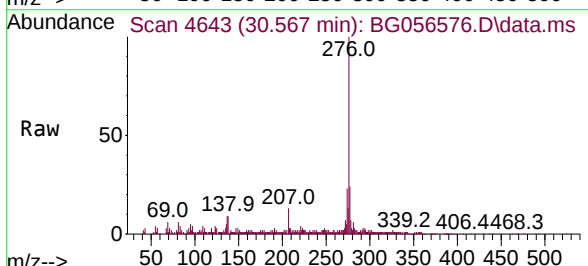
Tgt Ion:278 Resp: 73100
 Ion Ratio Lower Upper
 278 100
 139 10.9 5.5 8.3
 279 31.3 18.8 28.2

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Reviewed By :Christian Giraldo 02/08/2023
 Supervised By :Jagrut Upadhyay 02/08/2023



#92
 Benzo(g,h,i)perylene
 Concen: 20.708 ng m
 RT: 30.567 min Scan# 4643
 Delta R.T. 0.041 min
 Lab File: BG056576.D
 Acq: 7 Feb 2023 20:47



Tgt Ion:276 Resp: 333640
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.5 27.7
 138 9.3 7.4 11.0

