

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
 Data File : BG056412.D
 Acq On : 24 Jan 2023 21:13
 Operator : CG/JU
 Sample : 01266-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-219

Manual Integrations
 APPROVED

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

Quant Time: Jan 25 05:35:11 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 25 04:54:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.291	152	39344	20.000	ng	0.00
21) Naphthalene-d8	11.123	136	155097	20.000	ng	0.00
39) Acenaphthene-d10	14.907	164	120170	20.000	ng	0.00
64) Phenanthrene-d10	17.645	188	281519	20.000	ng	0.00
76) Chrysene-d12	21.934	240	250404	20.000	ng	# 0.00
86) Perylene-d12	25.365	264	280783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.818	112	278995	126.613	ng	0.00
7) Phenol-d6	7.439	99	391639	115.733	ng	0.00
23) Nitrobenzene-d5	9.466	82	206030	67.949	ng	0.00
42) 2,4,6-Tribromophenol	16.388	330	183957	120.871	ng	0.00
45) 2-Fluorobiphenyl	13.532	172	667350	76.687	ng	0.00
79) Terphenyl-d14	20.218	244	1059094	75.753	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.170	128	18195	2.229	ng	# 94
35) Caprolactam	12.022	113	2549	2.429	ng	87
71) Phenanthrene	17.686	178	208059	14.261	ng	97
72) Anthracene	17.774	178	66297	4.405	ng	98
75) Fluoranthene	19.678	202	572477	30.082	ng	99
78) Pyrene	20.036	202	488537	27.680	ng	99
81) Benzo(a)anthracene	21.911	228	299790	17.045	ng	99
83) Chrysene	21.981	228	282665	17.158	ng	98
84) Bis(2-ethylhexyl)phtha...	21.770	149	24546	3.365	ng	99
87) Indeno(1,2,3-cd)pyrene	29.302	276	186523	9.134	ng	# 97
88) Benzo(b)fluoranthene	24.272	252	418022	23.432	ng	# 98
89) Benzo(k)fluoranthene	24.331	252	121034m	6.813	ng	
90) Benzo(a)pyrene	25.201	252	269219	15.472	ng	# 98
91) Dibenzo(a,h)anthracene	29.343	278	50743	2.964	ng	93
92) Benzo(g,h,i)perylene	30.542	276	165304	9.957	ng	99

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

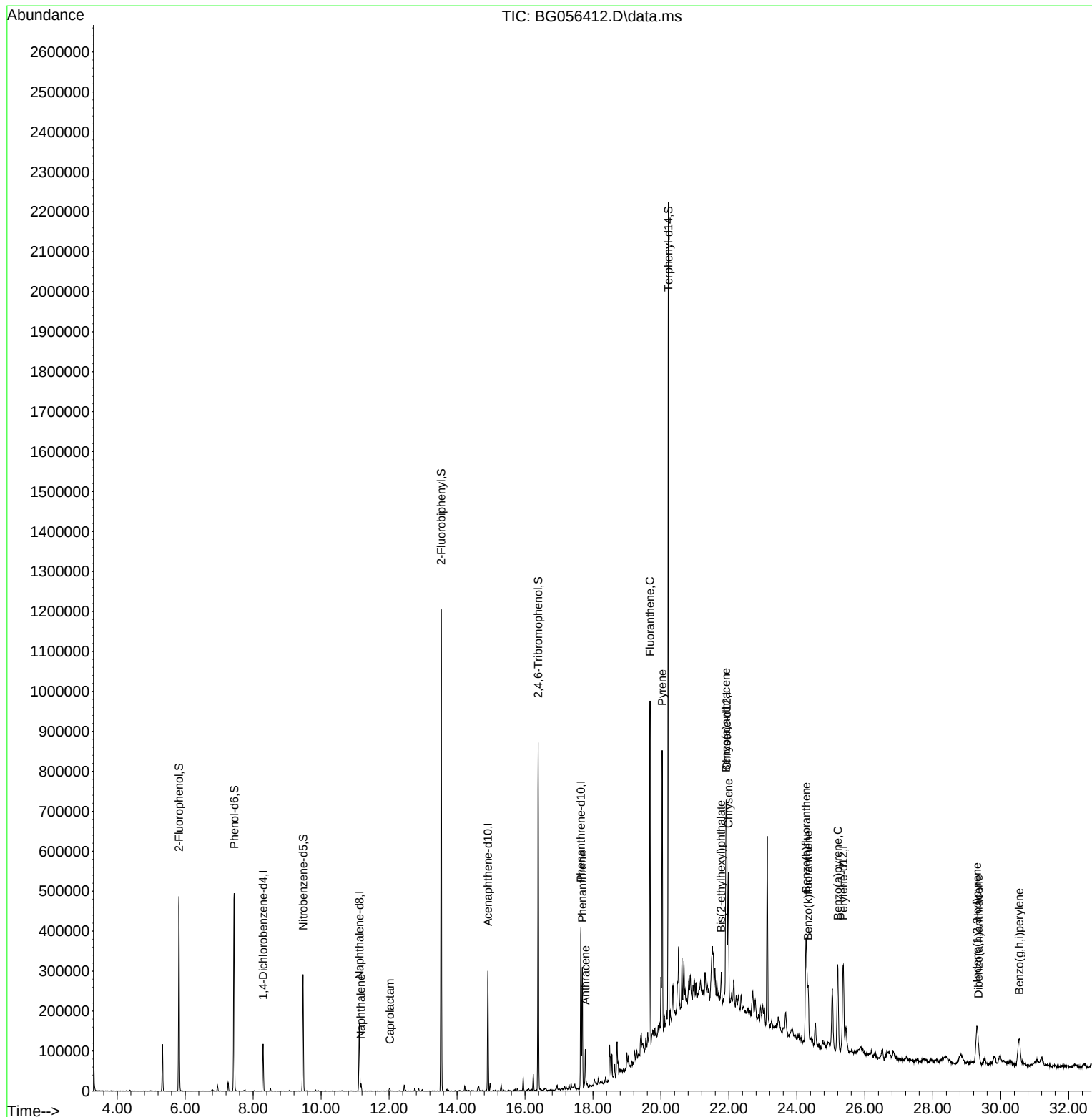
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056412.D
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Sample : 01266-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

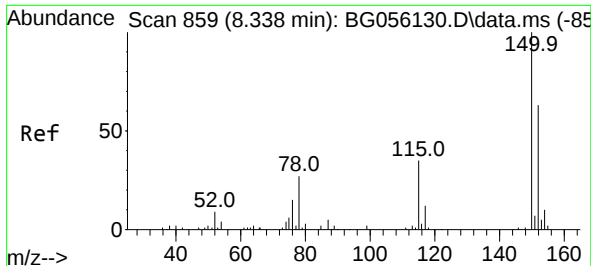
Instrument :
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Quant Time: Jan 25 05:35:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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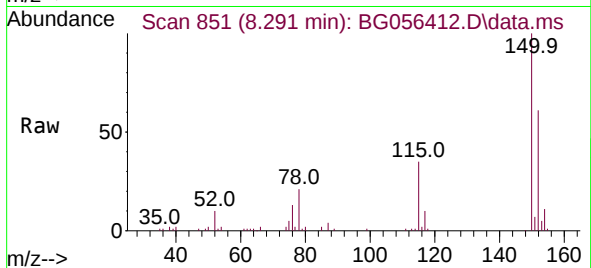
Reviewed By : Christian Giraldo 01/25/2023
Supervised By : Jagrut Upadhyay 01/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.291 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

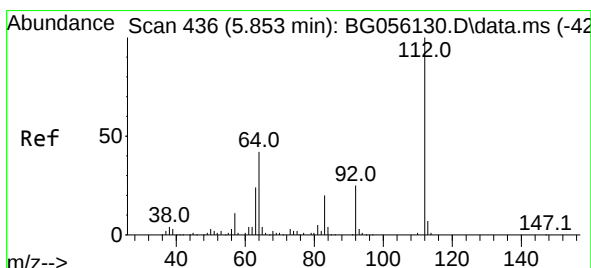
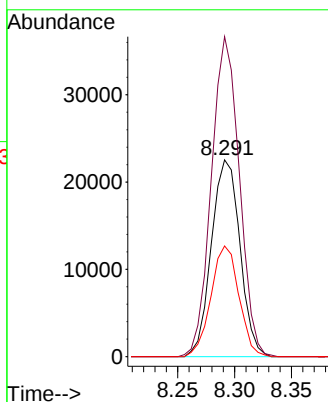
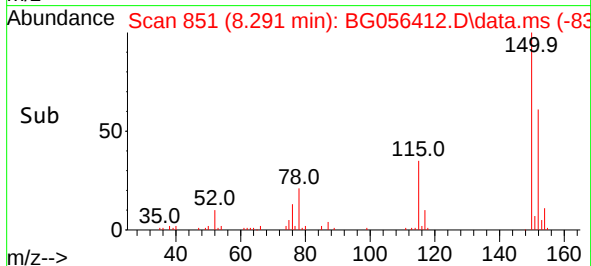
Instrument :
BNA_G
ClientSampleId :
VNJ-219



Tgt Ion:152 Resp: 39344
Ion Ratio Lower Upper
152 100
150 162.7 127.9 191.9
115 56.2 44.2 66.2

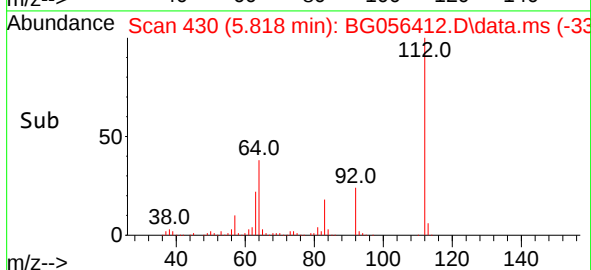
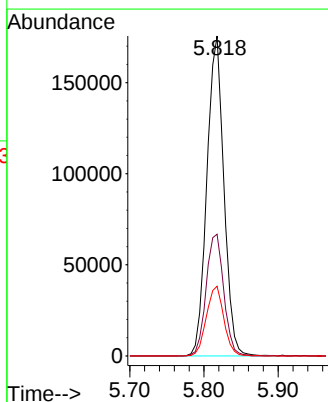
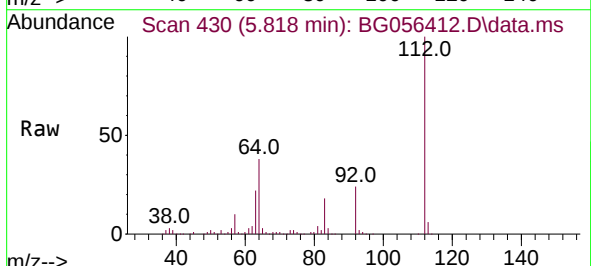
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Supervised By :Jagrut Upadhyay 01/25/2023



#5
2-Fluorophenol
Concen: 126.613 ng
RT: 5.818 min Scan# 430
Delta R.T. 0.004 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

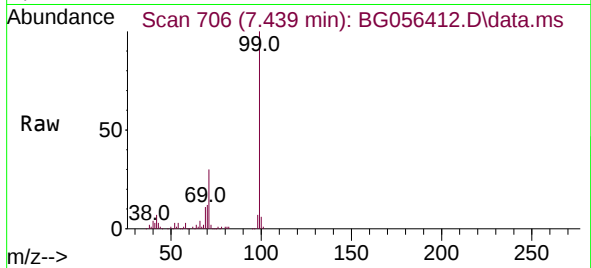
Tgt Ion:112 Resp: 278995
Ion Ratio Lower Upper
112 100
64 38.0 33.3 49.9
63 21.8 19.0 28.4





#7
Phenol-d6
Concen: 115.733 ng
RT: 7.439 min Scan# 70
Delta R.T. 0.004 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

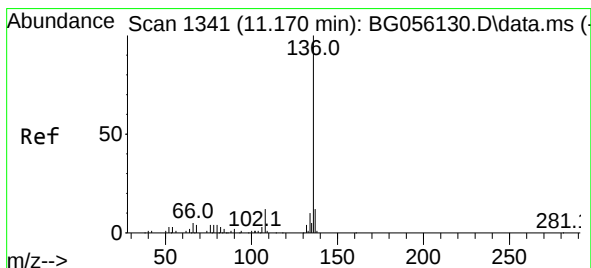
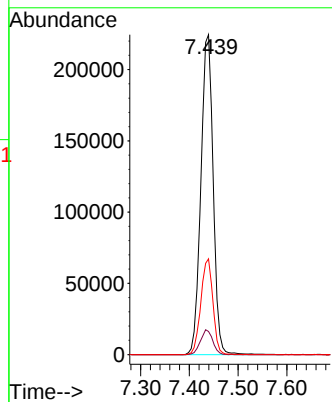
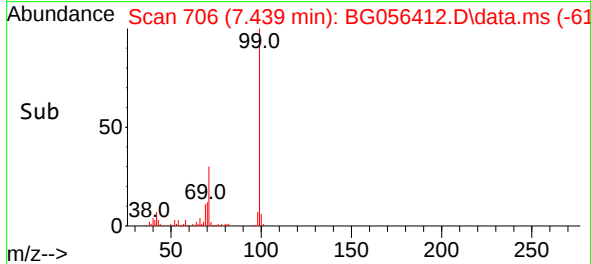
Instrument :
BNA_G
ClientSampleId :
VNJ-219



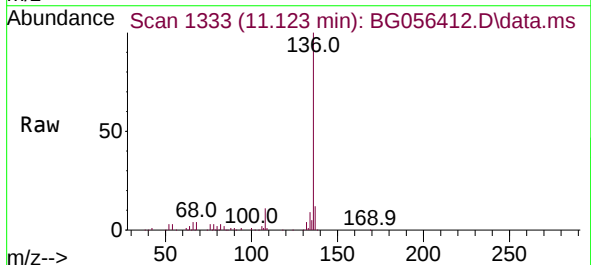
Tgt Ion: 99 Resp: 391639
Ion Ratio Lower Upper
99 100
42 7.2 5.9 8.9
71 29.9 25.4 38.2

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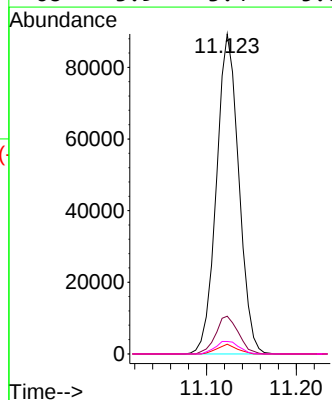
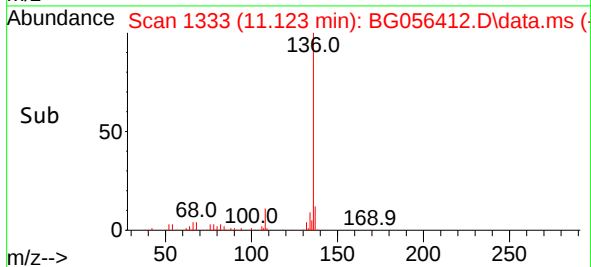
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.123 min Scan# 1333
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13



Tgt Ion:136 Resp: 155097
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 3.0 2.2 3.2
68 3.9 3.4 5.0





#23

Nitrobenzene-d5

Concen: 67.949 ng

RT: 9.466 min Scan# 1051

Delta R.T. -0.008 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

Instrument :

BNA_G

ClientSampleId :

VNJ-219

Tgt Ion: 82 Resp: 206030

Ion Ratio Lower Upper

82 100

128 48.1 33.4 50.2

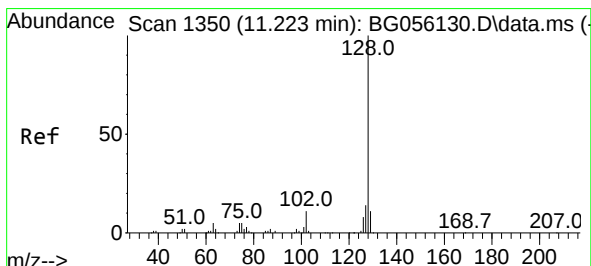
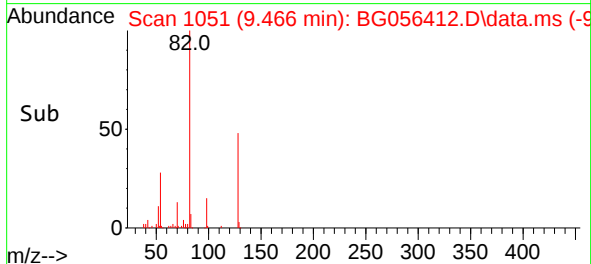
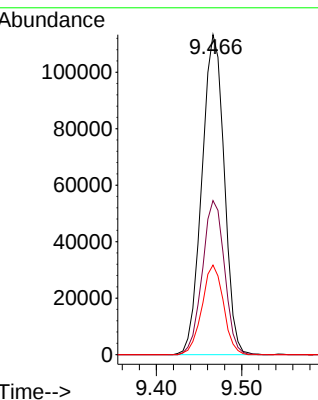
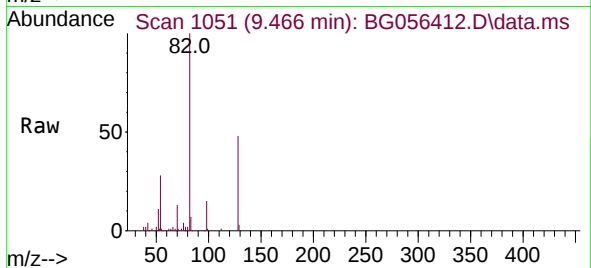
54 28.0 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/25/2023

Supervised By :Jagrut Upadhyay 01/25/2023



#31

Naphthalene

Concen: 2.229 ng

RT: 11.170 min Scan# 1341

Delta R.T. -0.014 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

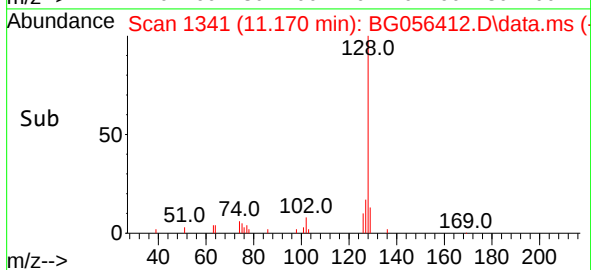
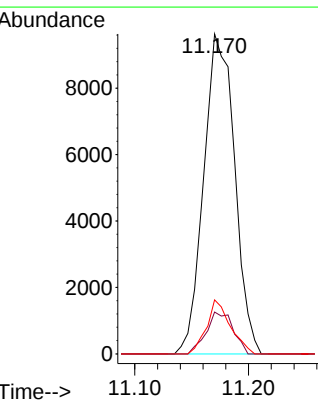
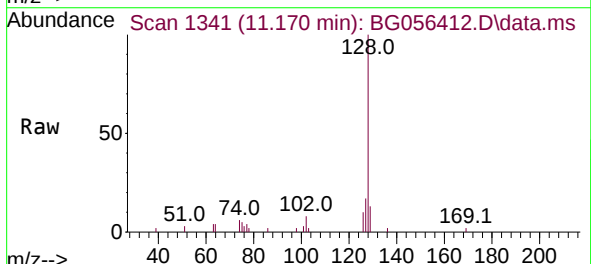
Tgt Ion:128 Resp: 18195

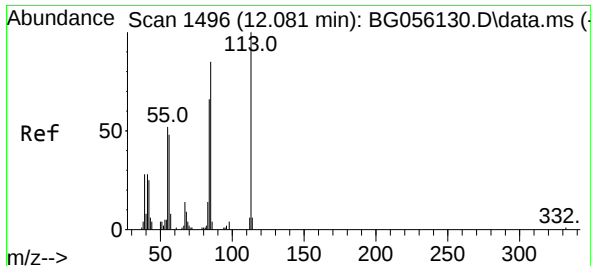
Ion Ratio Lower Upper

128 100

129 13.1 8.9 13.3

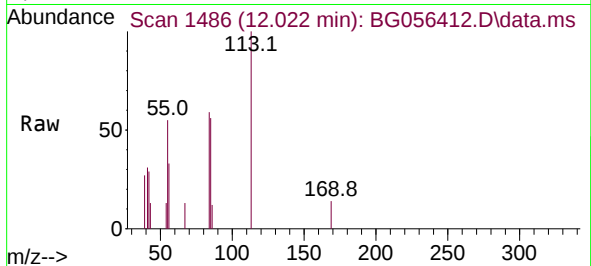
127 16.9 11.2 16.8#





#35
Caprolactam
Concen: 2.429 ng
RT: 12.022 min Scan# 1496
Delta R.T. -0.031 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

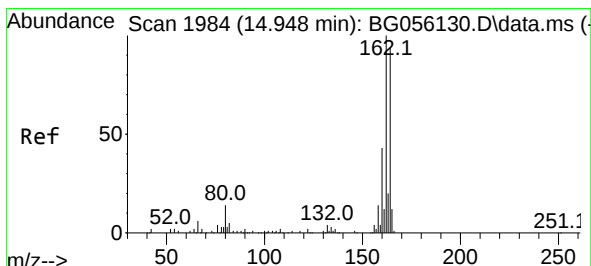
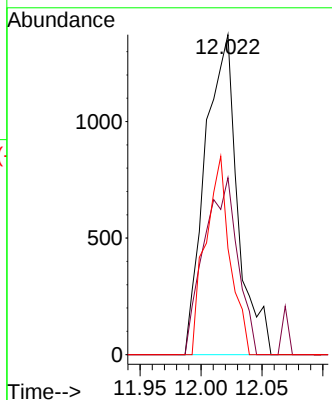
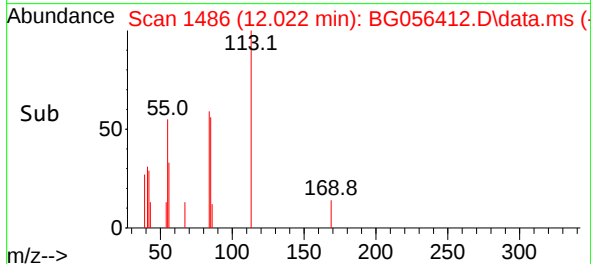
Instrument :
BNA_G
ClientSampleId :
VNJ-219



Tgt Ion:113 Resp: 2549
Ion Ratio Lower Upper
113 100
55 55.3 31.9 71.9
56 33.2 27.6 67.6

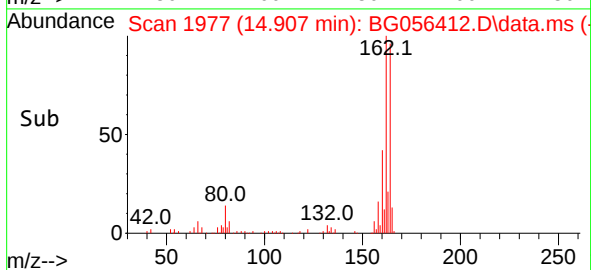
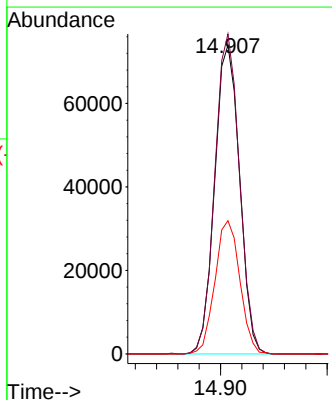
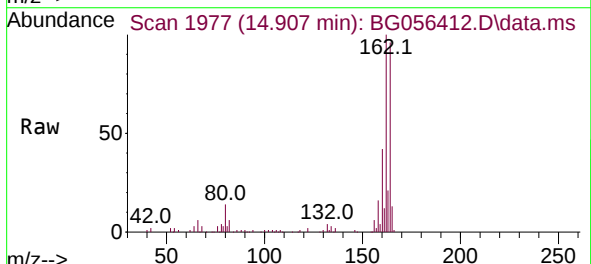
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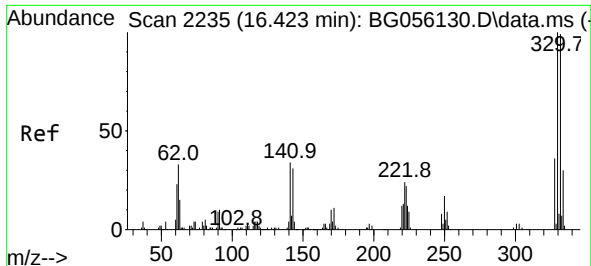
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.907 min Scan# 1977
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

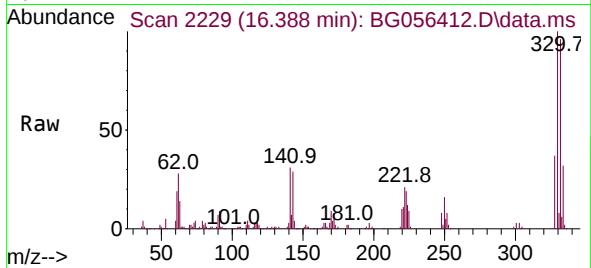
Tgt Ion:164 Resp: 120170
Ion Ratio Lower Upper
164 100
162 103.6 84.7 127.1
160 43.1 36.3 54.5





#42
 2,4,6-Tribromophenol
 Concen: 120.871 ng
 RT: 16.388 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG056412.D
 Acq: 24 Jan 2023 21:13

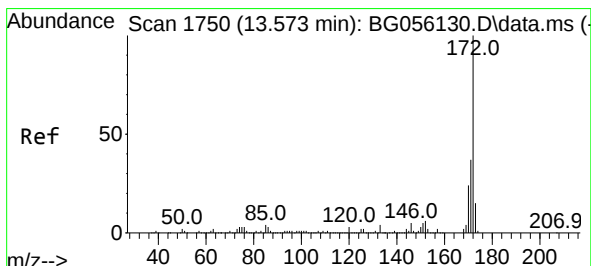
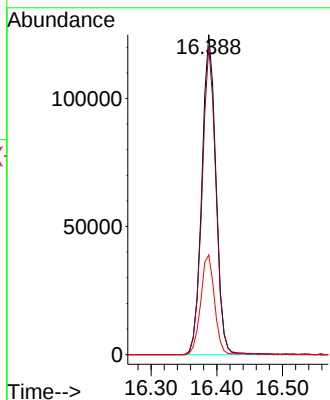
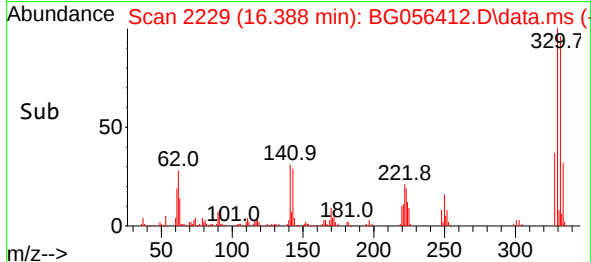
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-219



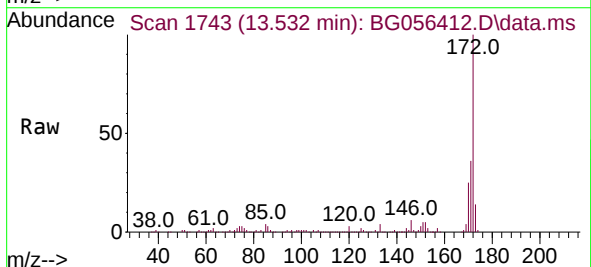
Tgt Ion:330 Resp: 183952
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.3 115.9
 141 30.8 27.9 41.9

Manual Integrations
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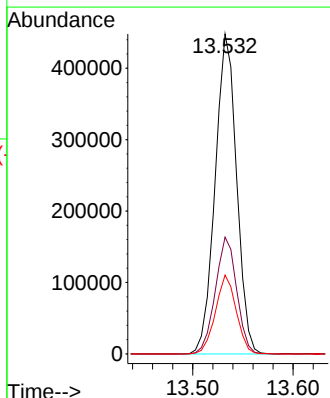
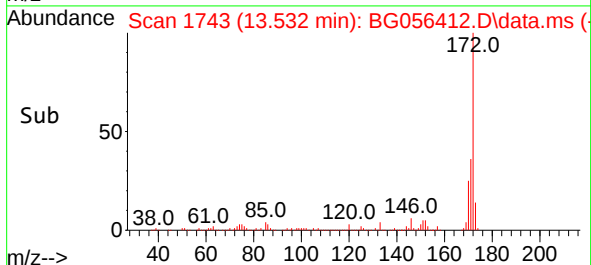
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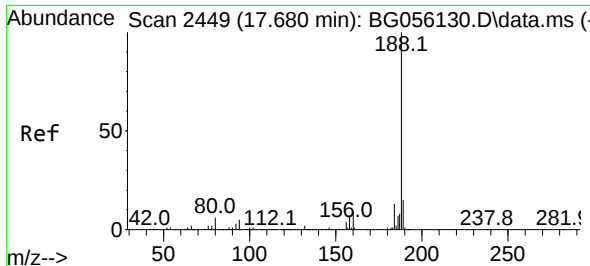


#45
 2-Fluorobiphenyl
 Concen: 76.687 ng
 RT: 13.532 min Scan# 1743
 Delta R.T. -0.008 min
 Lab File: BG056412.D
 Acq: 24 Jan 2023 21:13



Tgt Ion:172 Resp: 667350
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.6 19.4 29.2





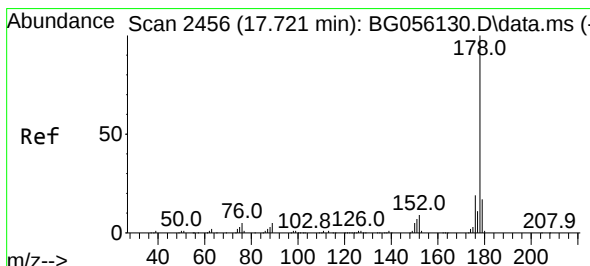
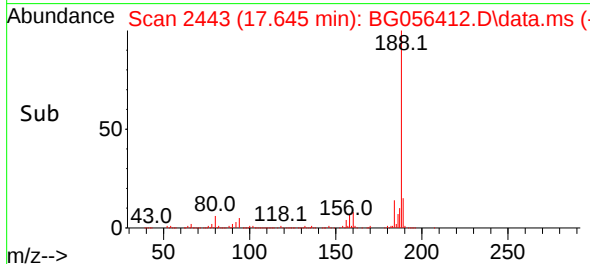
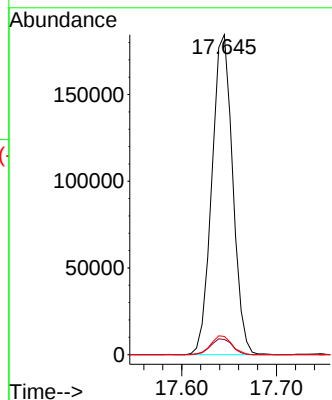
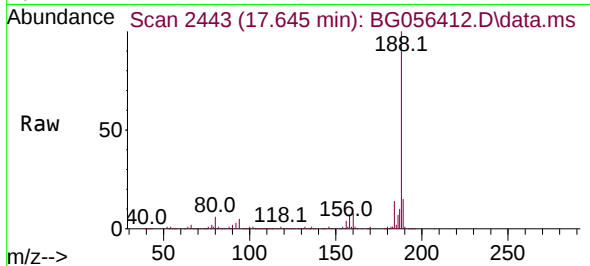
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.645 min Scan# 2443
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Instrument :
BNA_G
ClientSampleId :
VNJ-219

Tgt Ion:188 Resp: 281519
Ion Ratio Lower Upper
188 100
94 4.7 4.2 6.2
80 5.7 5.0 7.4

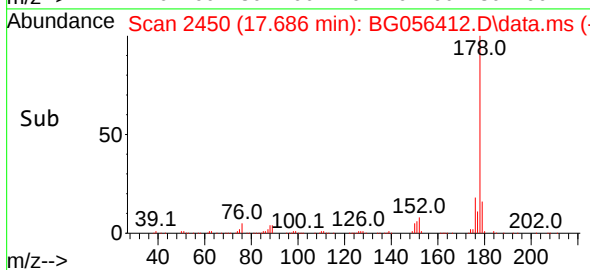
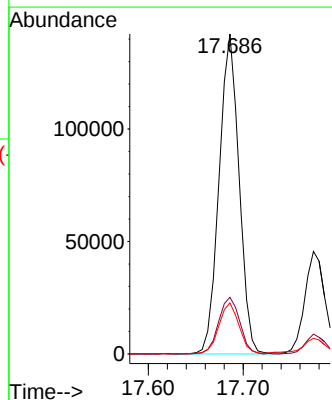
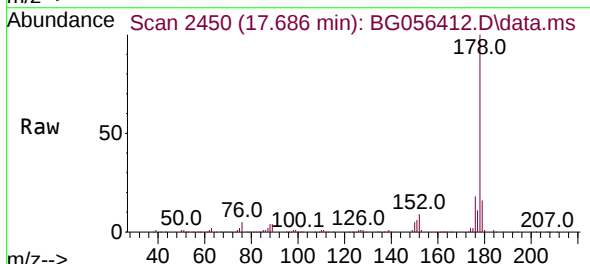
Manual Integrations
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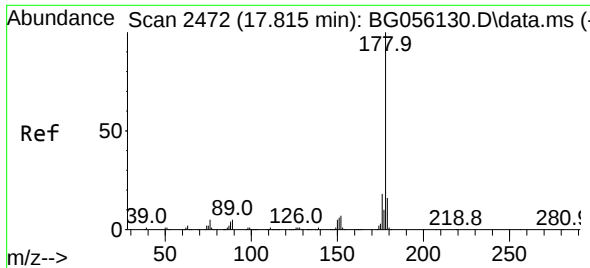
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#71
Phenanthrene
Concen: 14.261 ng
RT: 17.686 min Scan# 2450
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

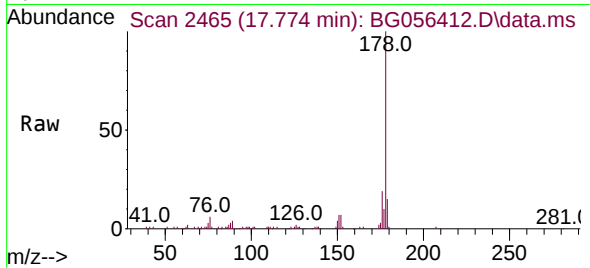
Tgt Ion:178 Resp: 208059
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 15.9 13.6 20.4





#72
 Anthracene
 Concen: 4.405 ng
 RT: 17.774 min Scan# 2472
 Delta R.T. -0.014 min
 Lab File: BG056412.D
 Acq: 24 Jan 2023 21:13

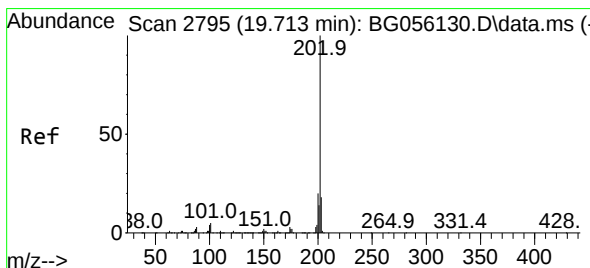
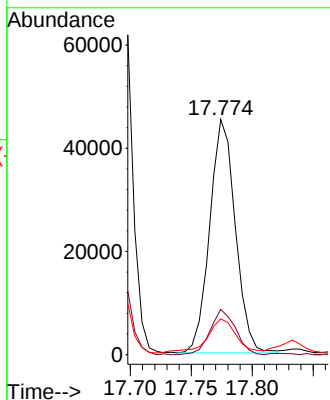
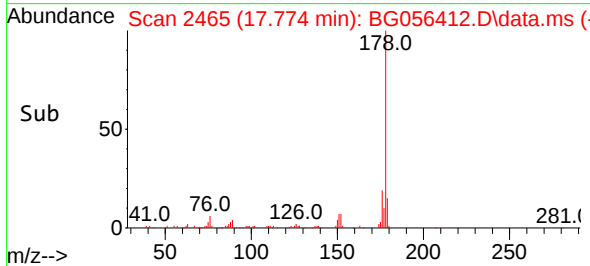
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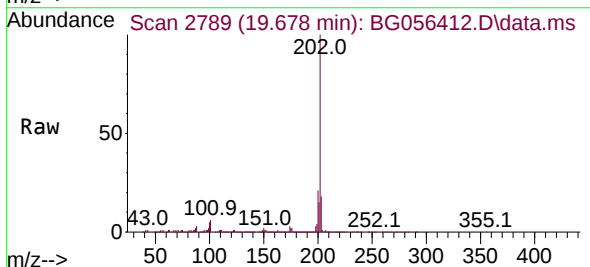
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 Ion Ratio Lower Upper
 178 100
 176 19.2 14.6 22.0
 179 15.2 12.7 19.1

Manual Integrations
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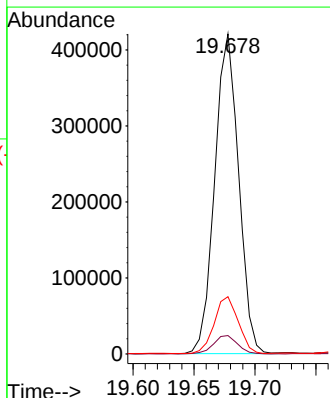
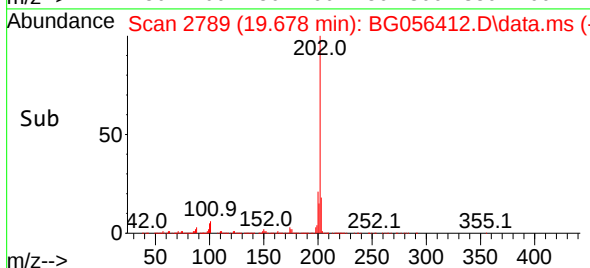
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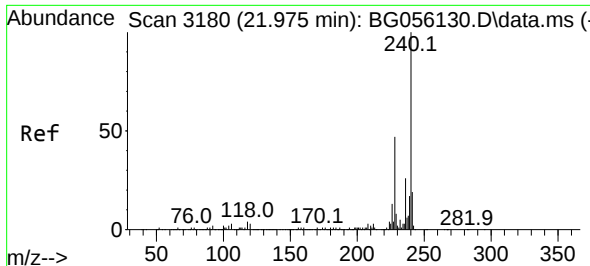


#75
 Fluoranthene
 Concen: 30.082 ng
 RT: 19.678 min Scan# 2789
 Delta R.T. -0.008 min
 Lab File: BG056412.D
 Acq: 24 Jan 2023 21:13



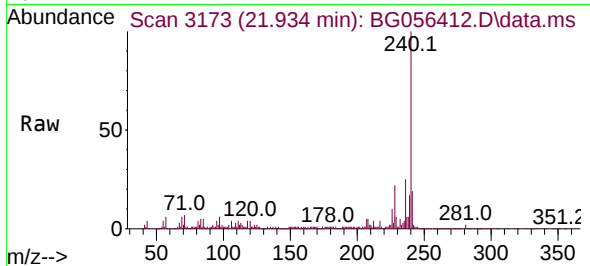
Tgt Ion:202 Resp: 572477
 Ion Ratio Lower Upper
 202 100
 101 5.7 0.0 25.0
 203 17.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.934 min Scan# 3180
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

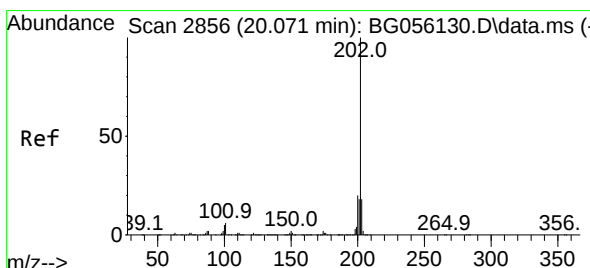
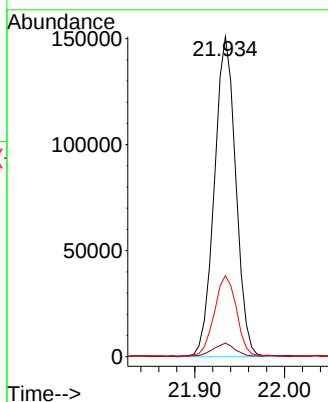
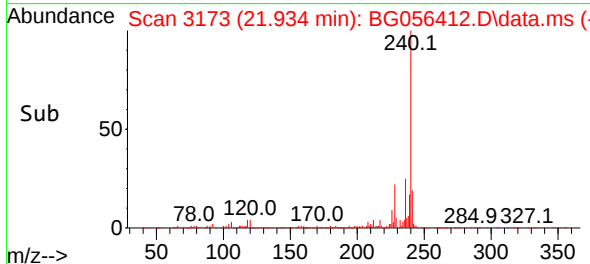
Instrument :
BNA_G
ClientSampleId :
VNJ-219



Tgt Ion:240 Resp: 250404
Ion Ratio Lower Upper
240 100
120 4.2 2.6 4.0
236 25.3 20.8 31.2

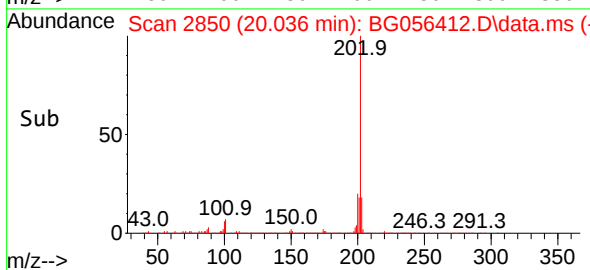
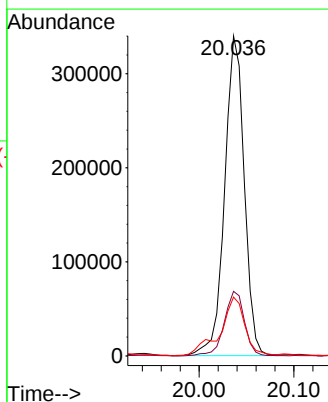
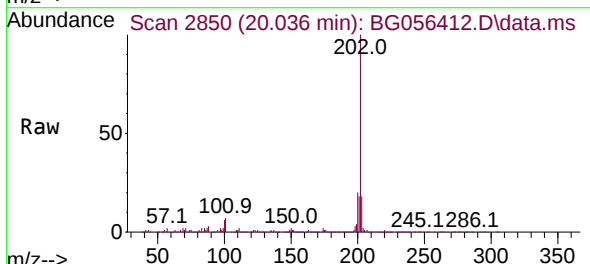
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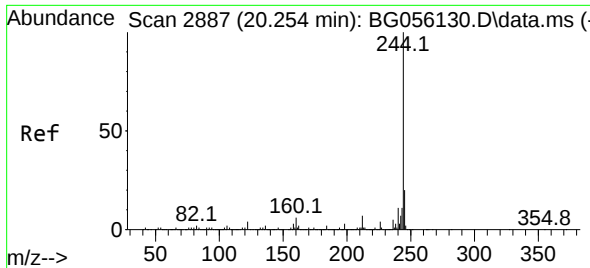
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#78
Pyrene
Concen: 27.680 ng
RT: 20.036 min Scan# 2850
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

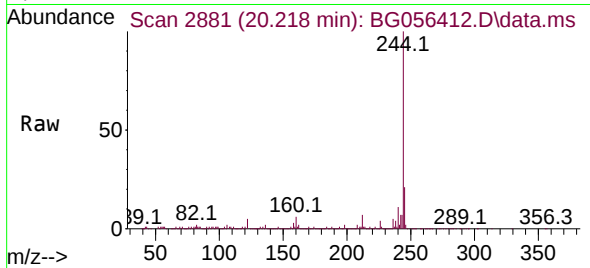
Tgt Ion:202 Resp: 488537
Ion Ratio Lower Upper
202 100
200 20.2 16.4 24.6
203 18.4 14.3 21.5





#79
Terphenyl-d14
Concen: 75.753 ng
RT: 20.218 min Scan# 2887
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

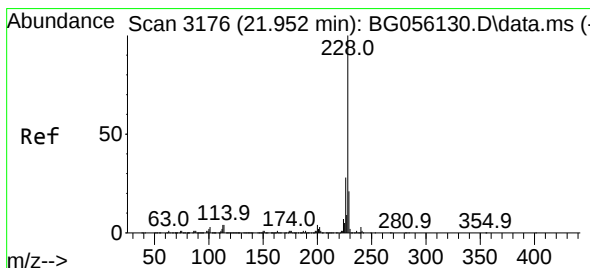
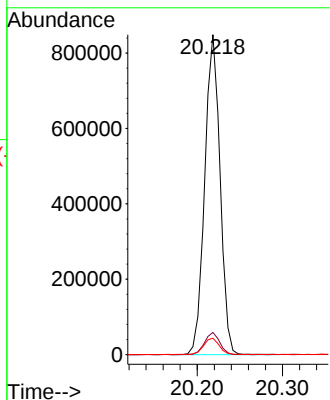
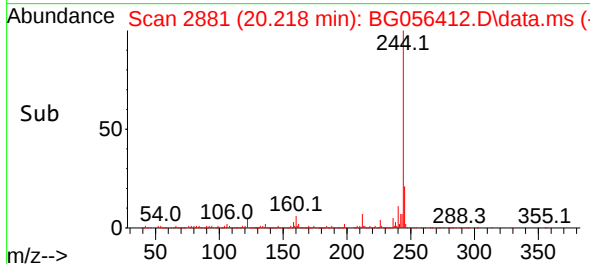
Instrument :
BNA_G
ClientSampleId :
VNJ-219



Tgt Ion:244 Resp: 1059094
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 5.2 3.5 5.3

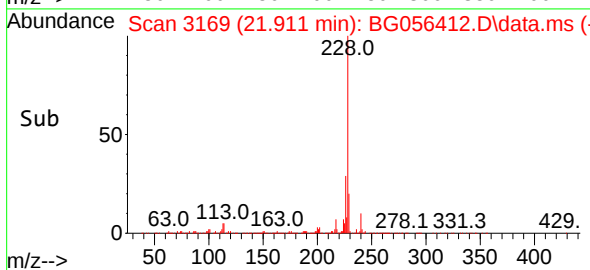
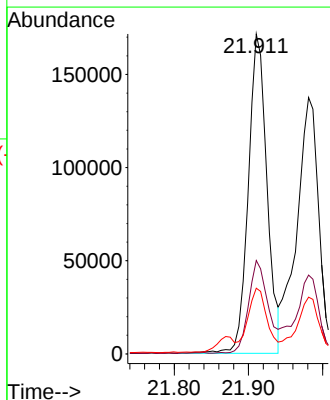
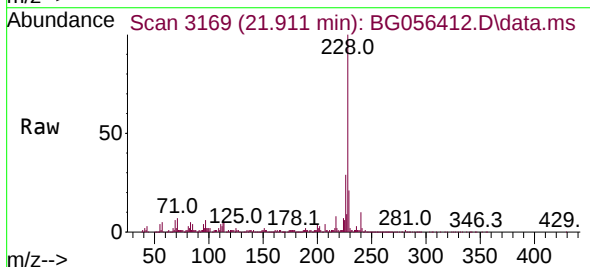
Manual Integrations
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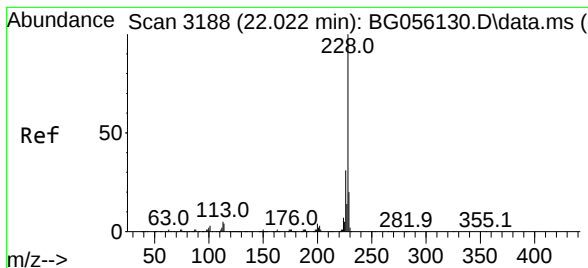
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#81
Benzo(a)anthracene
Concen: 17.045 ng
RT: 21.911 min Scan# 3169
Delta R.T. -0.014 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:228 Resp: 299790
Ion Ratio Lower Upper
228 100
226 29.2 22.6 34.0
229 20.5 16.9 25.3





#83

Chrysene

Concen: 17.158 ng

RT: 21.981 min Scan# 3188

Delta R.T. -0.014 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

Instrument :

BNA_G

ClientSampleId :

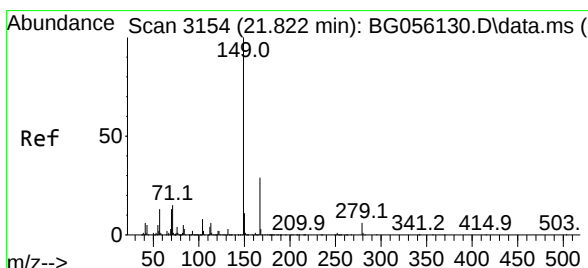
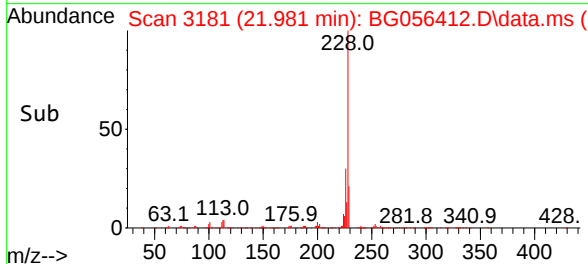
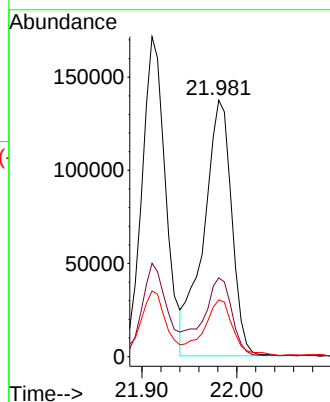
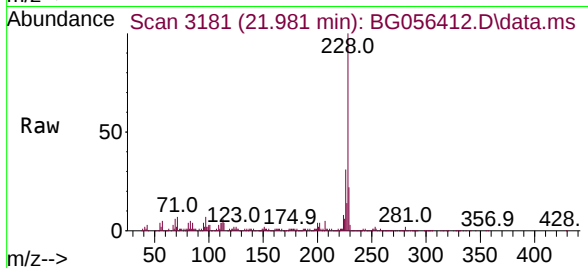
VNJ-219

Tgt Ion:	228	Resp:	28266
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.6	36.8
229	22.1	15.8	23.6

Manual Integrations

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.365 ng

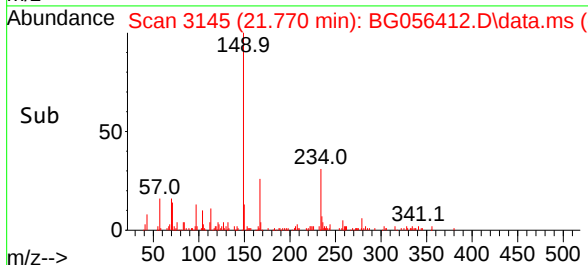
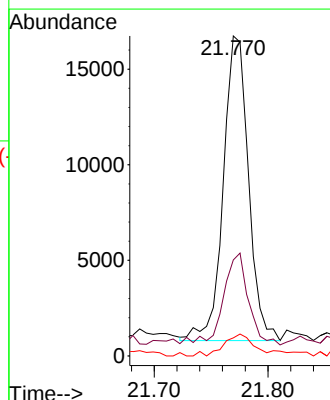
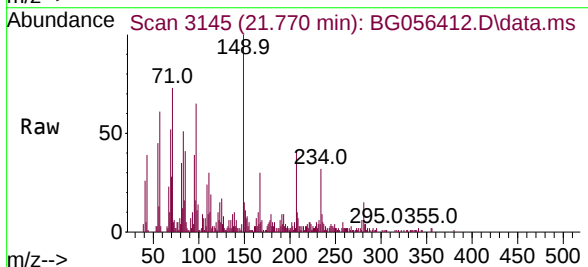
RT: 21.770 min Scan# 3145

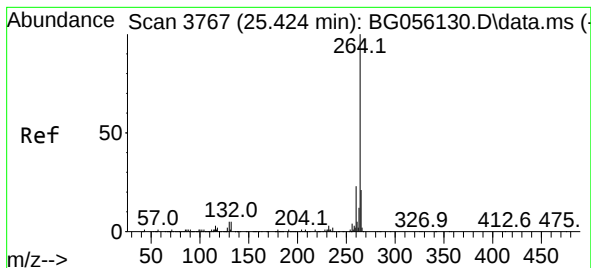
Delta R.T. -0.008 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

Tgt Ion:	149	Resp:	24546
Ion Ratio	Lower	Upper	
149	100		
167	30.0	23.4	35.2
279	5.6	4.7	7.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.365 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

Instrument :

BNA_G

ClientSampleId :

VNJ-219

Tgt Ion:264 Resp: 280783

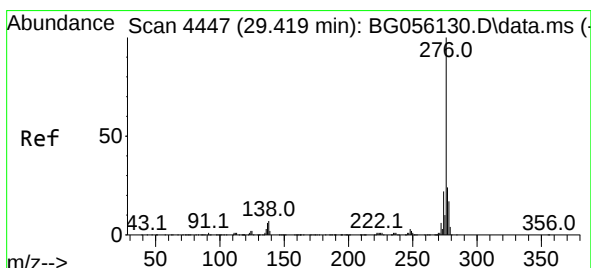
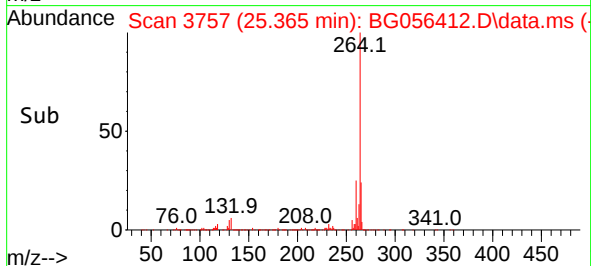
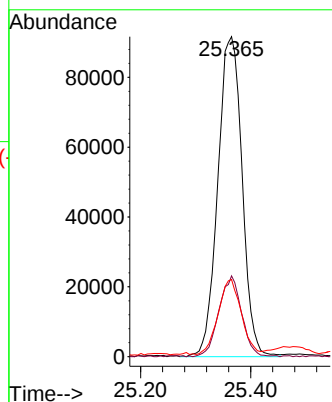
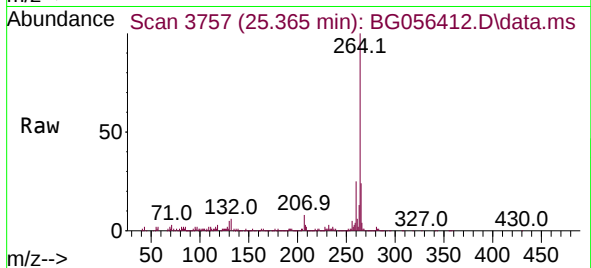
Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.6	28.0
265	24.1	16.7	25.1

Manual Integrations

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Reviewed By :Christian Giraldo 01/25/2023

Supervised By :Jagrut Upadhyay 01/25/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.134 ng

RT: 29.302 min Scan# 4427

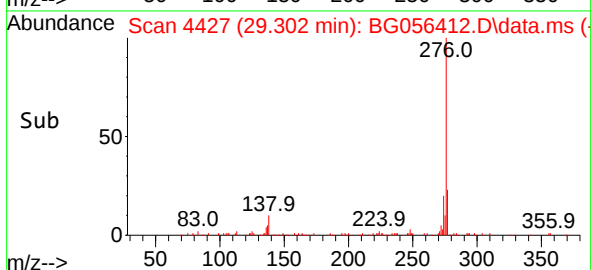
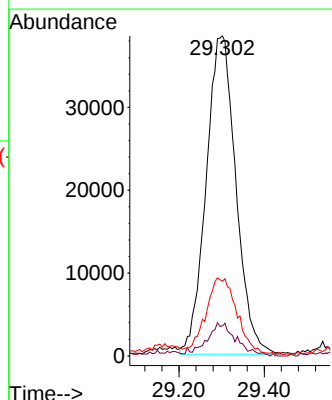
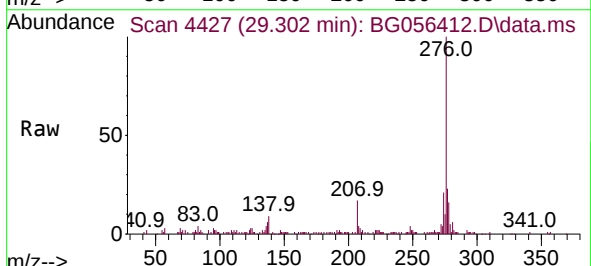
Delta R.T. -0.031 min

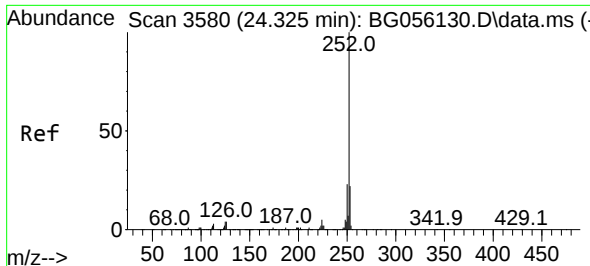
Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

Tgt Ion:276 Resp: 186523

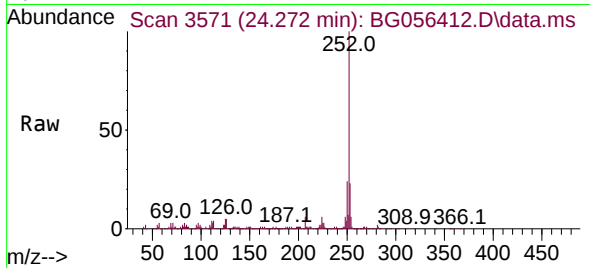
Ion	Ratio	Lower	Upper
276	100		
138	9.8	5.0	7.4
277	26.4	20.5	30.7





#88
Benzo(b)fluoranthene
Concen: 23.432 ng
RT: 24.272 min Scan# 3571
Delta R.T. -0.008 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

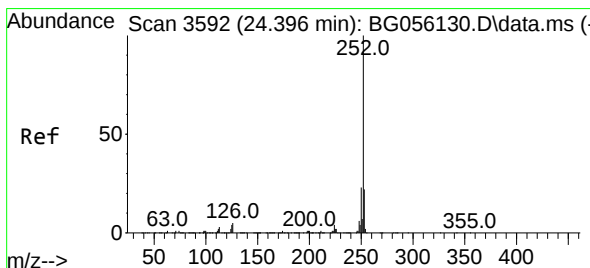
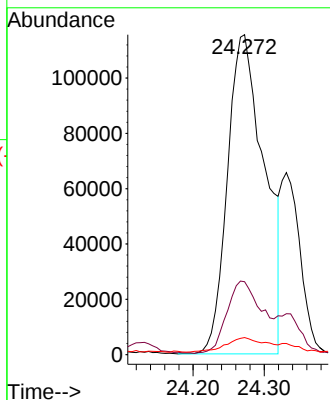
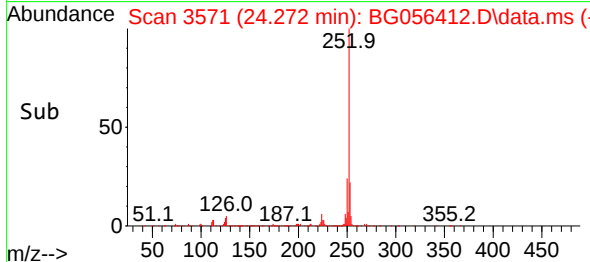
Instrument :
BNA_G
ClientSampleId :
VNJ-219



Tgt Ion:252 Resp: 418022
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 5.3 3.0 4.4

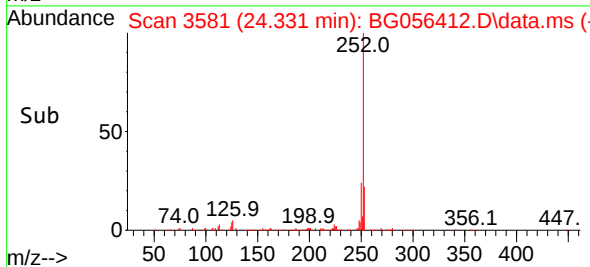
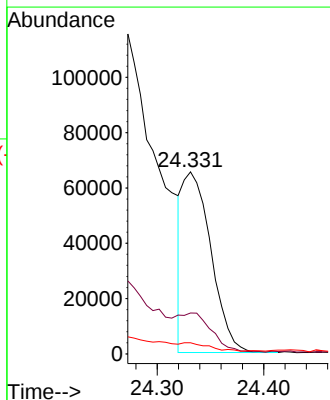
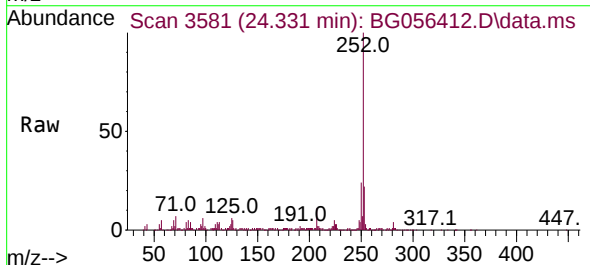
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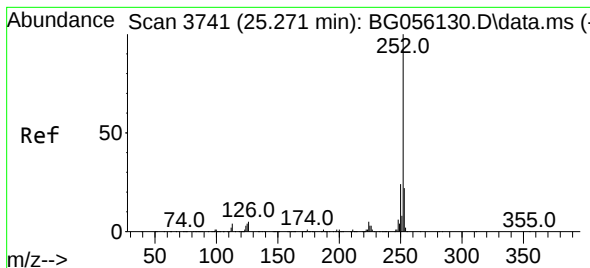
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#89
Benzo(k)fluoranthene
Concen: 6.813 ng m
RT: 24.331 min Scan# 3581
Delta R.T. -0.020 min
Lab File: BG056412.D
Acq: 24 Jan 2023 21:13

Tgt Ion:252 Resp: 121034
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 6.1 3.4 5.0





#90

Benzo(a)pyrene

Concen: 15.472 ng

RT: 25.201 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

Instrument :

BNA_G

ClientSampleId :

VNJ-219

Tgt Ion:252 Resp: 269219

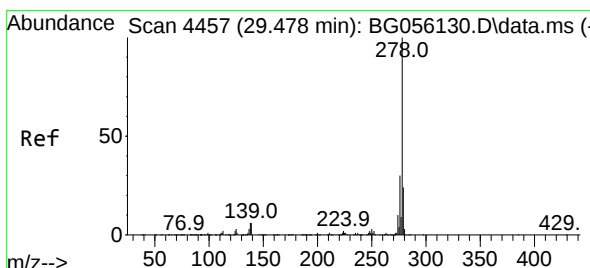
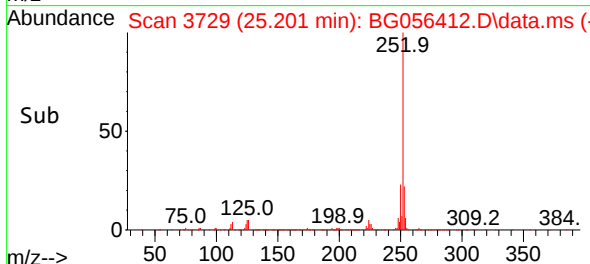
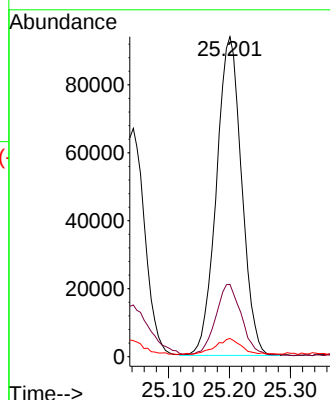
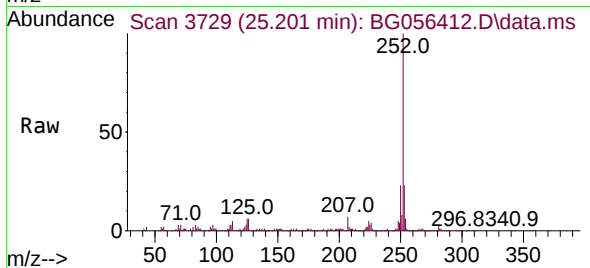
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	5.7	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/25/2023

Supervised By :Jagrut Upadhyay 01/25/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.964 ng

RT: 29.343 min Scan# 4434

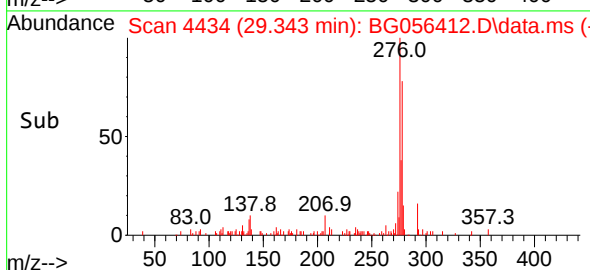
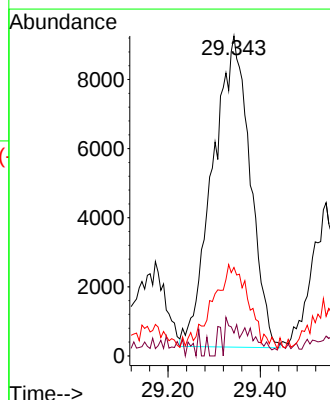
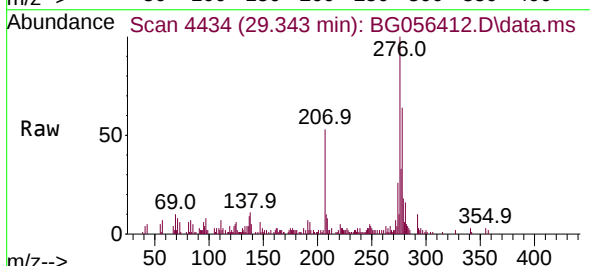
Delta R.T. -0.049 min

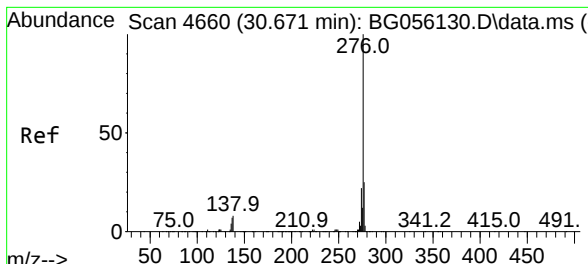
Lab File: BG056412.D

Acq: 24 Jan 2023 21:13

Tgt Ion:278 Resp: 50743

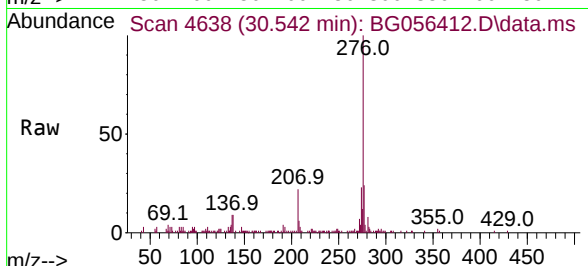
Ion	Ratio	Lower	Upper
278	100		
139	7.1	4.8	7.2
279	27.6	19.0	28.4





#92
 Benzo(g,h,i)perylene
 Concen: 9.957 ng
 RT: 30.542 min Scan# 4660
 Delta R.T. -0.031 min
 Lab File: BG056412.D
 Acq: 24 Jan 2023 21:13

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-219



Tgt Ion: 276 Resp: 165304

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.7	29.5
138	8.9	6.7	10.1

Manual Integrations
 APPROVED

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

