

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
 Data File : BG055904.D
 Acq On : 6 Dec 2022 15:19
 Operator : CG/JU
 Sample : N5881-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-202

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/07/2022
 Supervised By : Jagrut Upadhyay 12/07/2022

Quant Time: Dec 07 05:10:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:04:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	29406	20.000	ng	0.00
21) Naphthalene-d8	10.993	136	136469	20.000	ng	0.00
39) Acenaphthene-d10	14.794	164	108424	20.000	ng	0.00
64) Phenanthrene-d10	17.538	188	245290	20.000	ng	0.00
76) Chrysene-d12	21.821	240	223814	20.000	ng	0.00
86) Perylene-d12	25.170	264	241487	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	133765	82.222	ng	0.00
7) Phenol-d6	7.321	99	195217	90.143	ng	0.00
23) Nitrobenzene-d5	9.342	82	121619	47.103	ng	0.00
42) 2,4,6-Tribromophenol	16.281	330	90703	59.409	ng	0.00
45) 2-Fluorobiphenyl	13.419	172	269136	37.187	ng	0.00
79) Terphenyl-d14	20.123	244	426965	38.156	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.046	128	29310	3.973	ng	98
70) Pentachlorophenol	17.203	266	7966m	4.202	ng	
71) Phenanthrene	17.579	178	219354	16.571	ng	99
72) Anthracene	17.673	178	43281	3.365	ng	99
75) Fluoranthene	19.583	202	511236	31.747	ng	100
78) Pyrene	19.941	202	502064	33.141	ng	98
81) Benzo(a)anthracene	21.798	228	286620	18.593	ng	99
83) Chrysene	21.868	228	342431	23.334	ng	100
84) Bis(2-ethylhexyl)phtha...	21.663	149	43178	5.066	ng	99
87) Indeno(1,2,3-cd)pyrene	29.024	276	140534	7.104	ng	# 97
88) Benzo(b)fluoranthene	24.101	252	398337	25.328	ng	98
89) Benzo(k)fluoranthene	24.165	252	126209m	8.051	ng	
90) Benzo(a)pyrene	25.012	252	229547	17.009	ng	98
91) Dibenzo(a,h)anthracene	29.042	278	45887m	2.838	ng	
92) Benzo(g,h,i)perylene	30.229	276	131350	8.061	ng	100

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

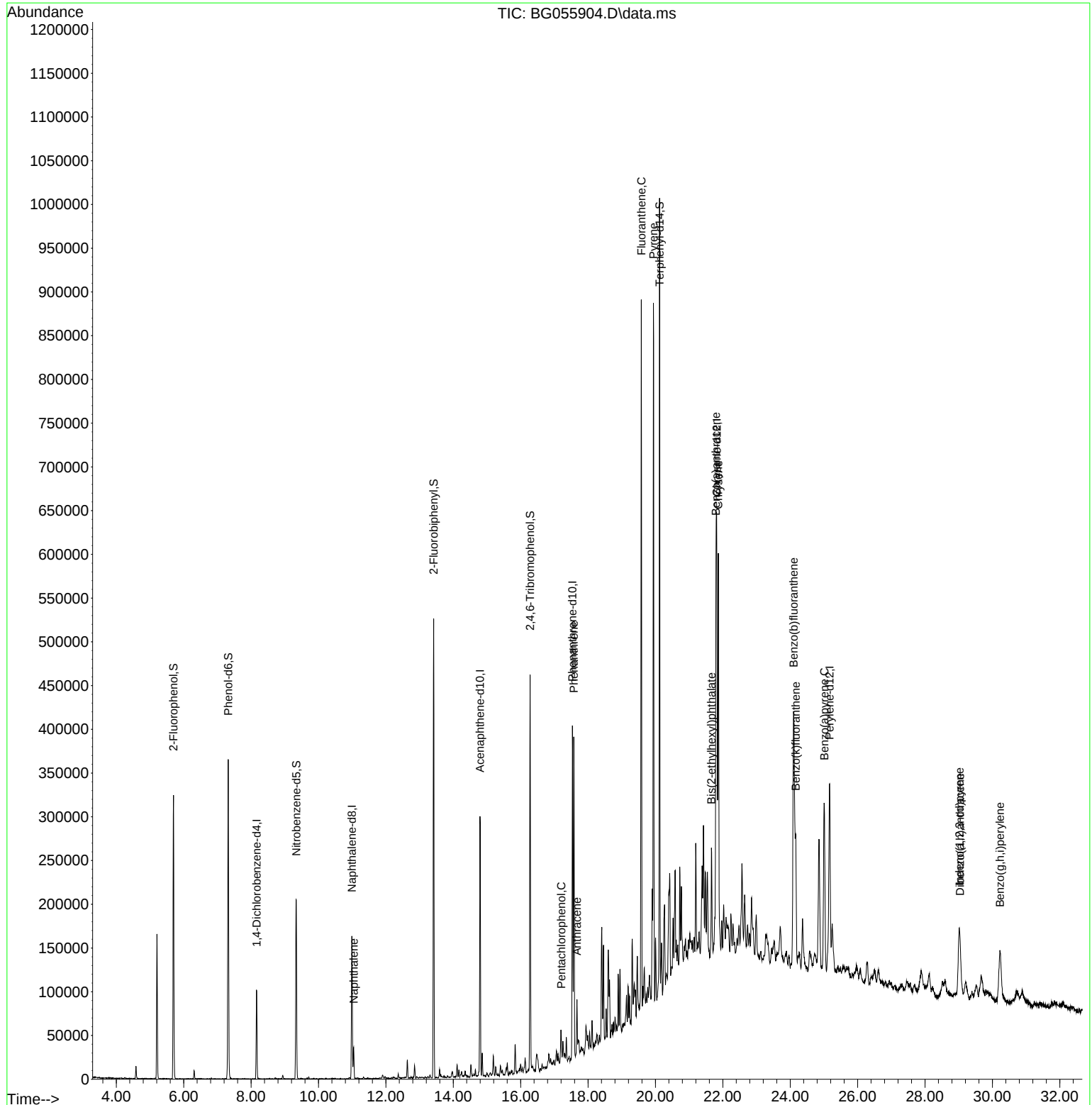
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
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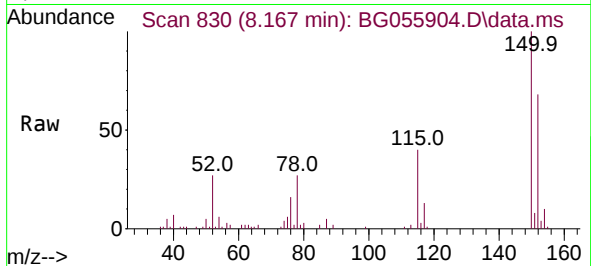
Reviewed By : Christian Giraldo 12/07/2022
Supervised By : Jagrut Upadhyay 12/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.167 min Scan# 845
Delta R.T. 0.005 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

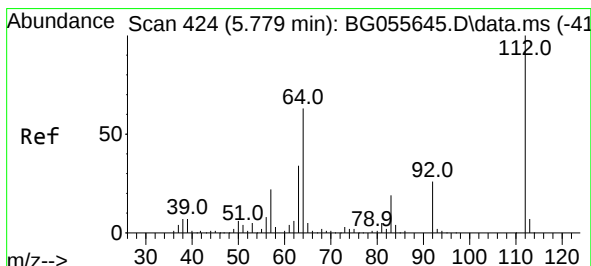
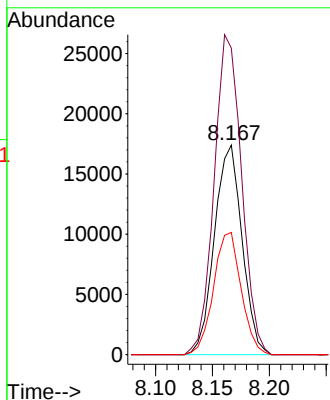
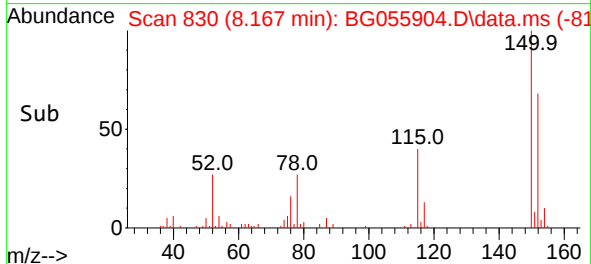
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BNA_G
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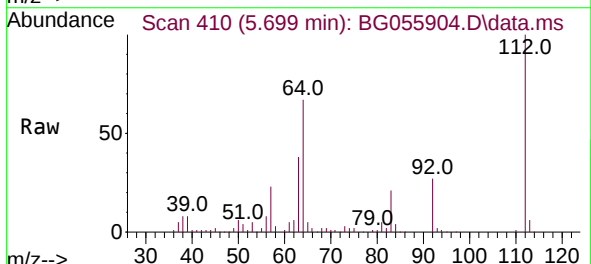
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Ion Ratio Lower Upper
152 100
150 146.3 123.0 184.6
115 58.3 47.0 70.4

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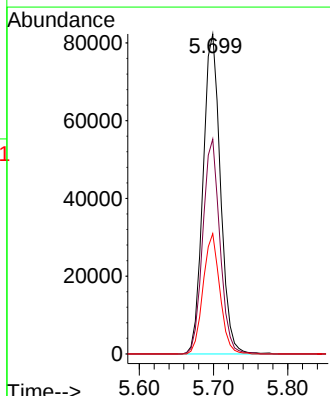
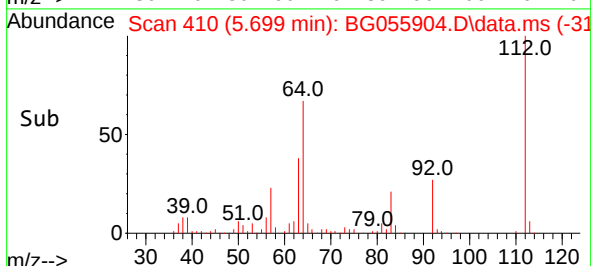
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#5
2-Fluorophenol
Concen: 82.222 ng
RT: 5.699 min Scan# 410
Delta R.T. 0.004 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19



Tgt Ion:112 Resp: 133765
Ion Ratio Lower Upper
112 100
64 67.1 50.6 76.0
63 37.6 27.5 41.3





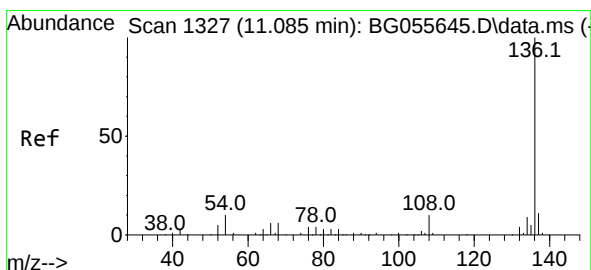
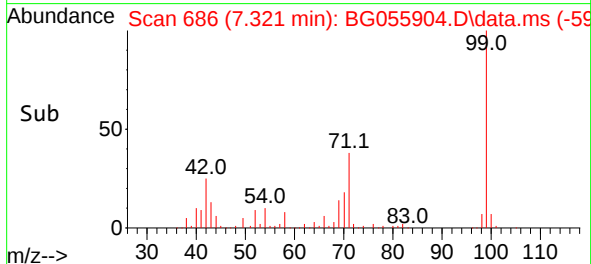
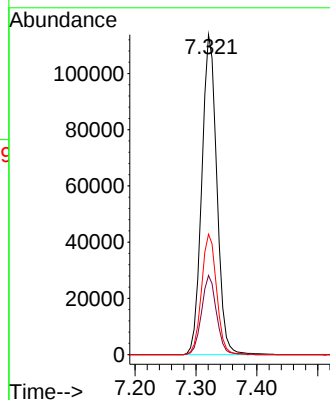
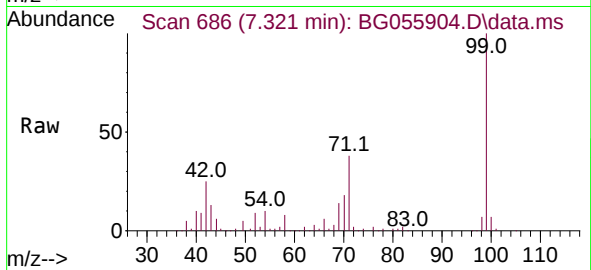
#7
Phenol-d6
Concen: 90.143 ng
RT: 7.321 min Scan# 686
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Instrument :
BNA_G
ClientSampleId :
VNJ-202

Tgt Ion: 99 Resp: 195217
Ion Ratio Lower Upper
99 100
42 24.7 18.0 27.0
71 37.6 29.0 43.6

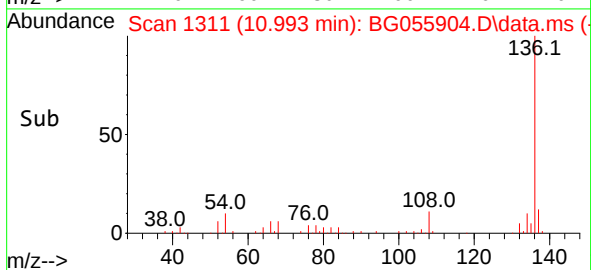
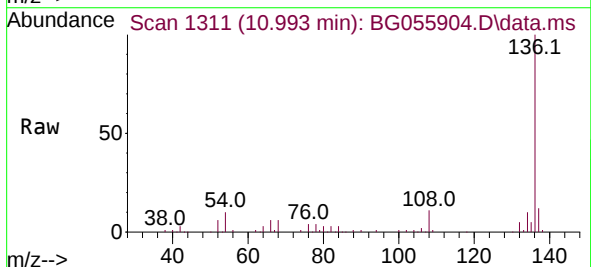
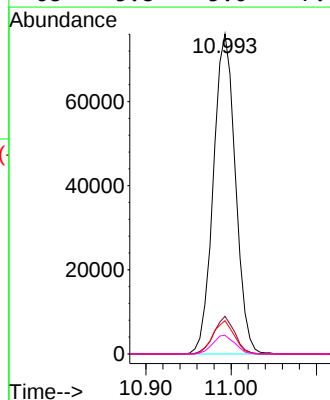
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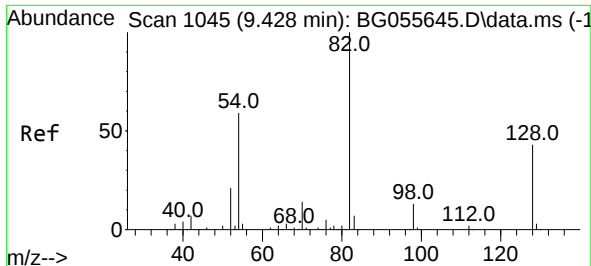
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.993 min Scan# 1311
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion:136 Resp: 136469
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.6
54 10.4 7.8 11.6
68 5.8 5.0 7.4





#23
Nitrobenzene-d5
Concen: 47.103 ng
RT: 9.342 min Scan# 1045
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Instrument :

BNA_G

ClientSampleId :

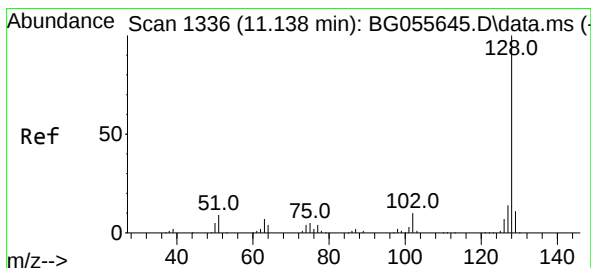
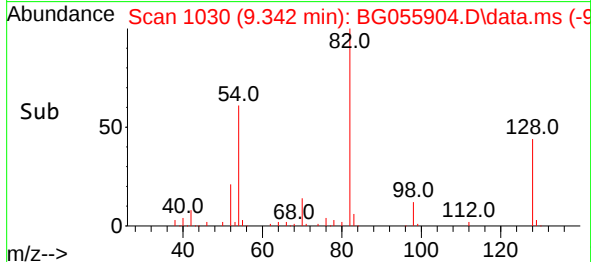
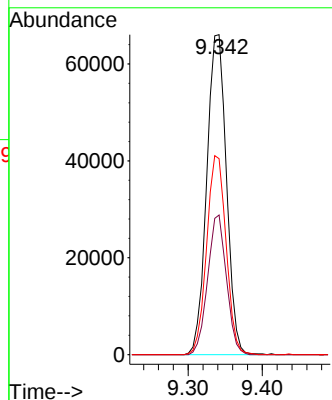
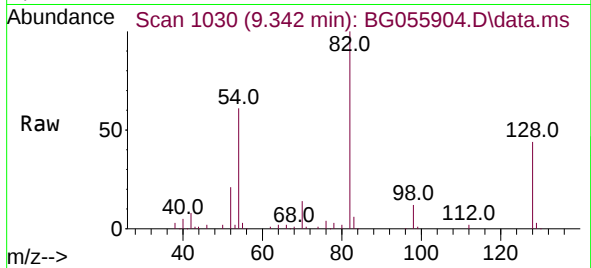
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Tgt Ion: 82 Resp: 121619
Ion Ratio Lower Upper
82 100
128 43.6 34.1 51.1
54 61.2 47.3 70.9

Manual Integrations

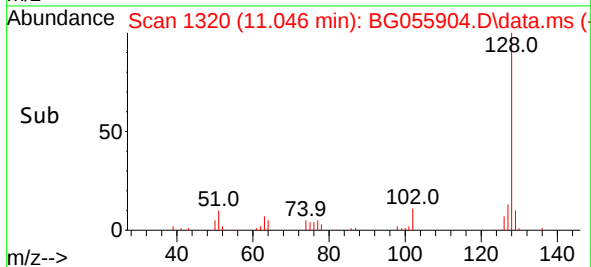
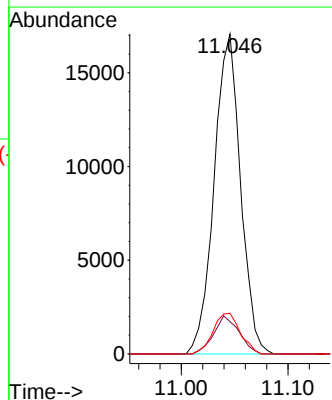
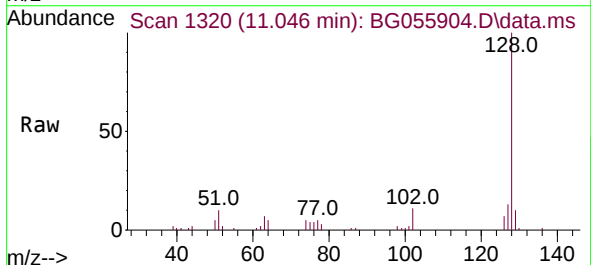
APPROVED

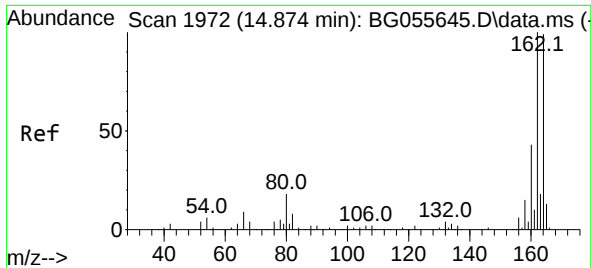
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#31
Naphthalene
Concen: 3.973 ng
RT: 11.046 min Scan# 1320
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

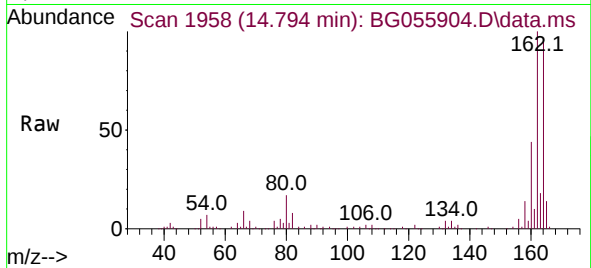
Tgt Ion:128 Resp: 29310
Ion Ratio Lower Upper
128 100
129 10.1 8.7 13.1
127 12.7 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.794 min Scan# 1958
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

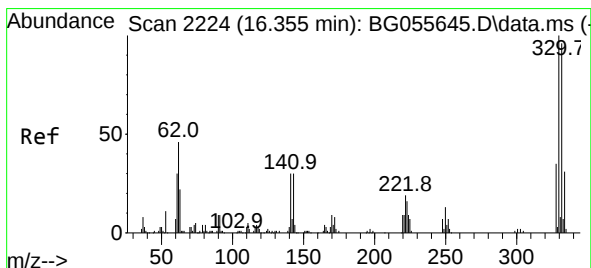
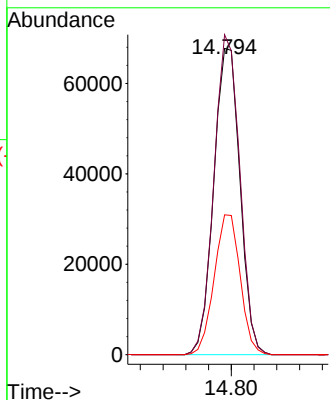
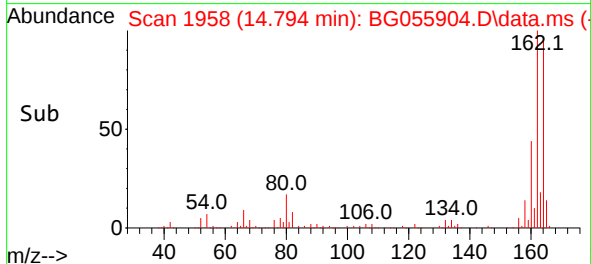
Instrument :
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ClientSampleId :
VNJ-202



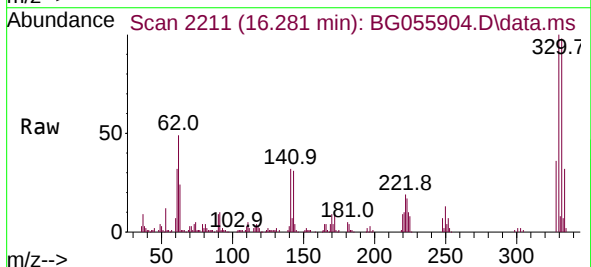
Tgt Ion:164 Resp: 108424
Ion Ratio Lower Upper
164 100
162 104.5 81.1 121.7
160 45.7 34.8 52.2

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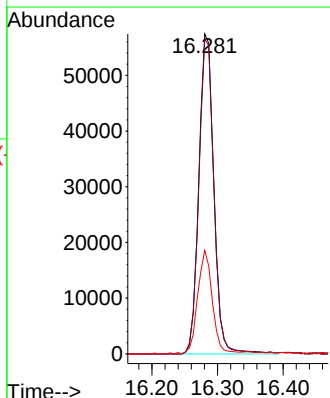
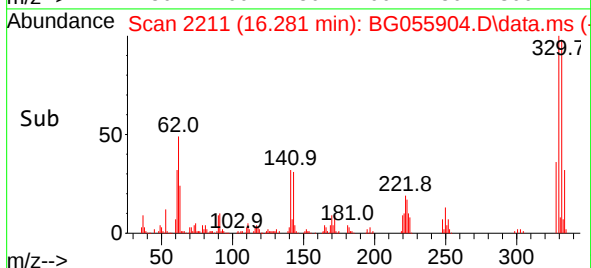
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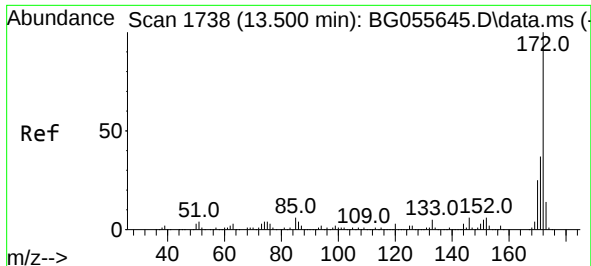


#42
2,4,6-Tribromophenol
Concen: 59.409 ng
RT: 16.281 min Scan# 2211
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19



Tgt Ion:330 Resp: 90703
Ion Ratio Lower Upper
330 100
332 98.1 77.8 116.8
141 31.6 23.9 35.9





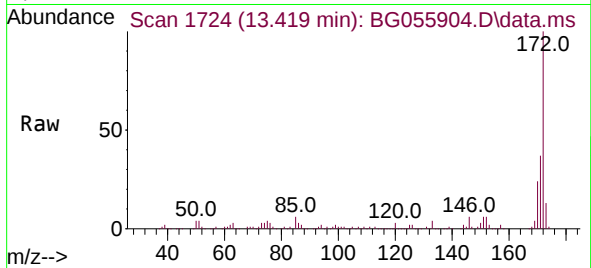
#45
2-Fluorobiphenyl
Concen: 37.187 ng
RT: 13.419 min Scan# 1738
Delta R.T. -0.001 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Instrument :

BNA_G

ClientSampleId :

VNJ-202

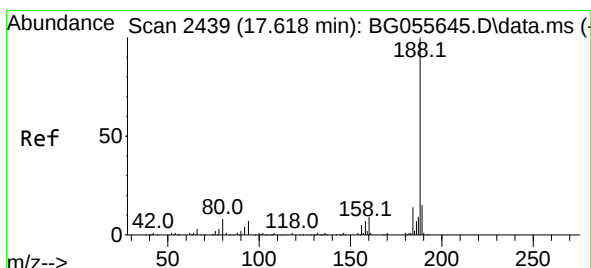
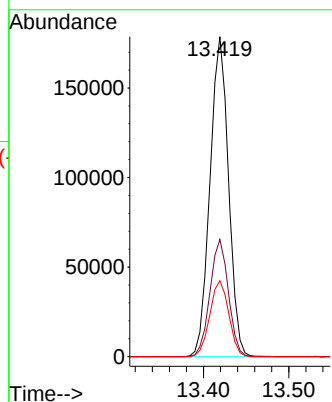
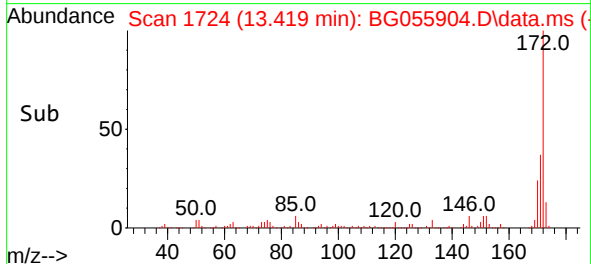


Tgt Ion:172 Resp: 269136
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 23.7 20.2 30.4

Manual Integrations

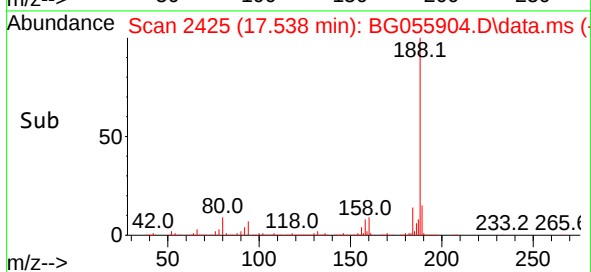
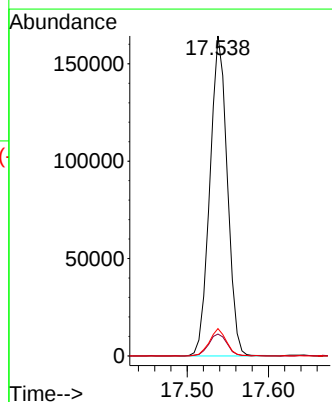
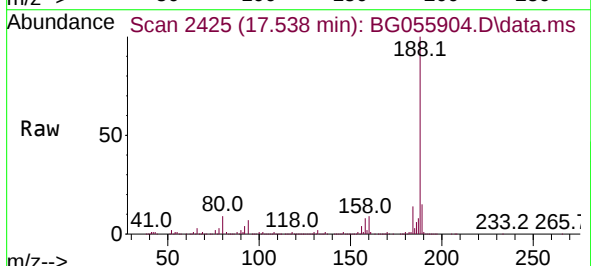
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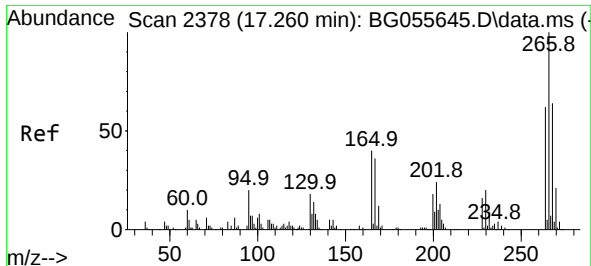
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.538 min Scan# 2425
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

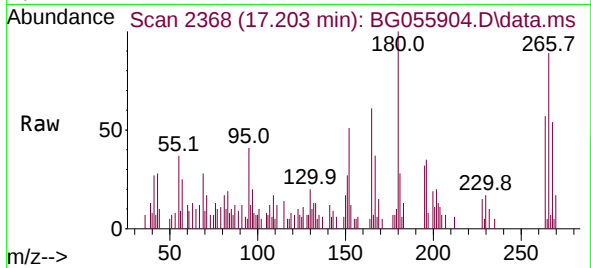
Tgt Ion:188 Resp: 245290
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.2
80 8.5 6.6 10.0





#70
 Pentachlorophenol
 Concen: 4.202 ng m
 RT: 17.203 min Scan# 2431
 Delta R.T. 0.004 min
 Lab File: BG055904.D
 Acq: 6 Dec 2022 15:19

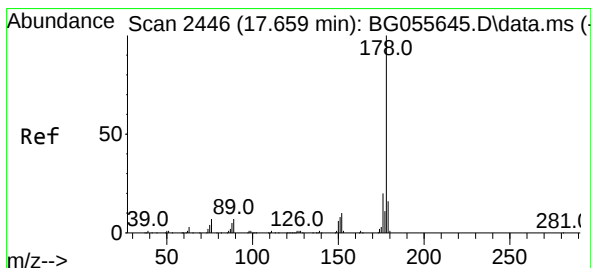
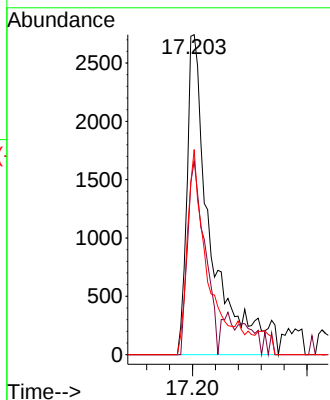
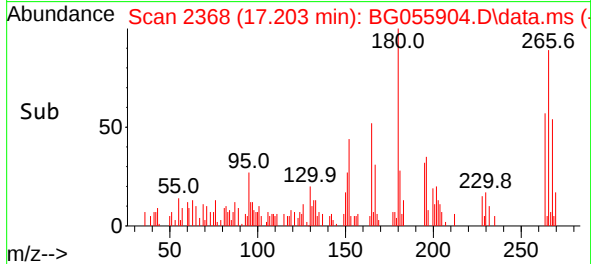
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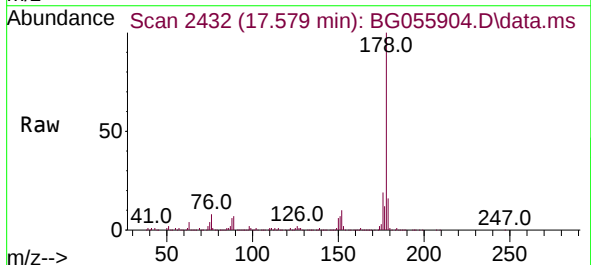
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 Ion Ratio Lower Upper
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 268 60.5 51.2 76.8
 264 64.1 49.5 74.3

Manual Integrations
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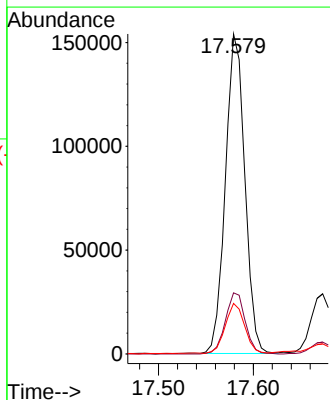
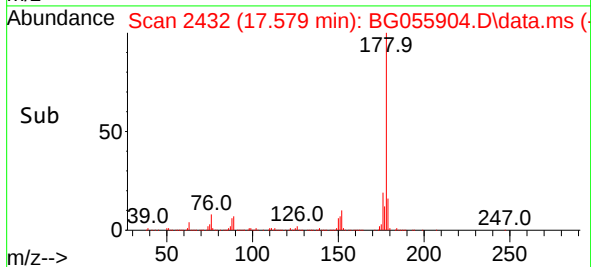
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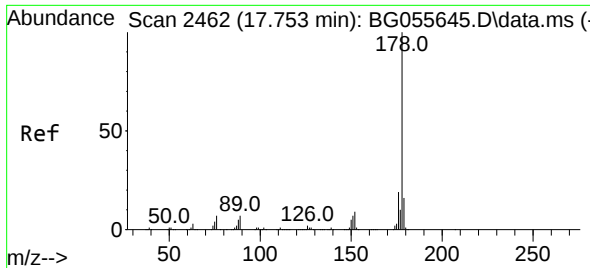


#71
 Phenanthrene
 Concen: 16.571 ng
 RT: 17.579 min Scan# 2432
 Delta R.T. -0.007 min
 Lab File: BG055904.D
 Acq: 6 Dec 2022 15:19



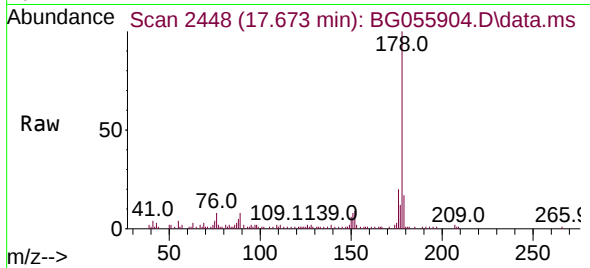
Tgt Ion:178 Resp: 219354
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.0 24.0
 179 15.8 12.7 19.1





#72
 Anthracene
 Concen: 3.365 ng
 RT: 17.673 min Scan# 2462
 Delta R.T. -0.001 min
 Lab File: BG055904.D
 Acq: 6 Dec 2022 15:19

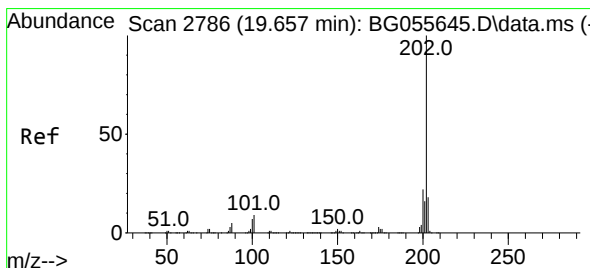
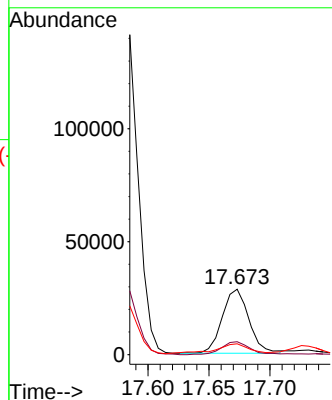
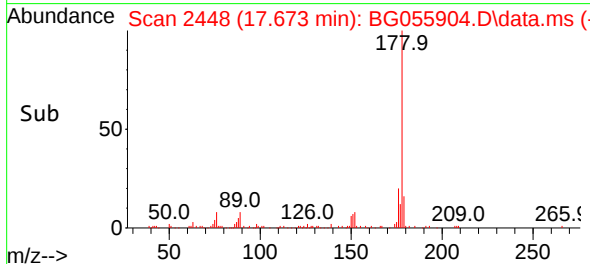
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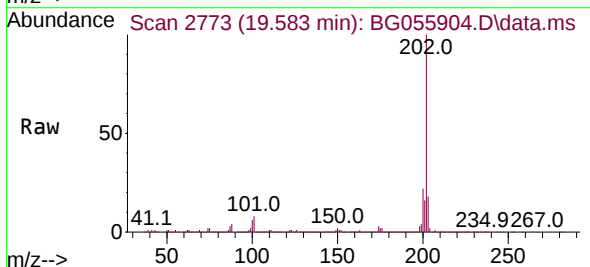
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 Ion Ratio Lower Upper
 178 100
 176 19.6 15.5 23.3
 179 16.6 12.5 18.7

Manual Integrations
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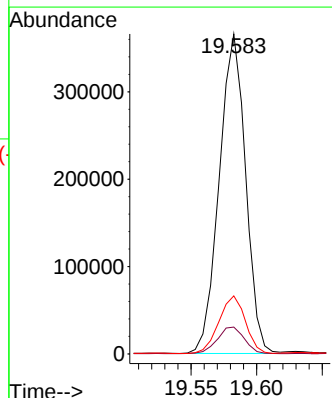
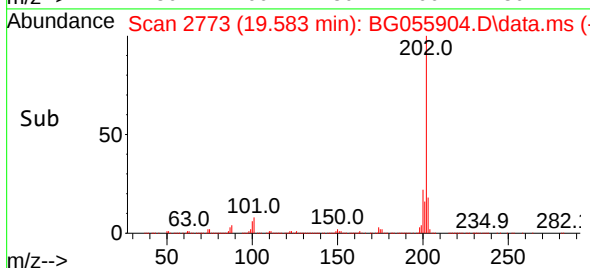
Reviewed By :Christian Giraldo 12/07/2022
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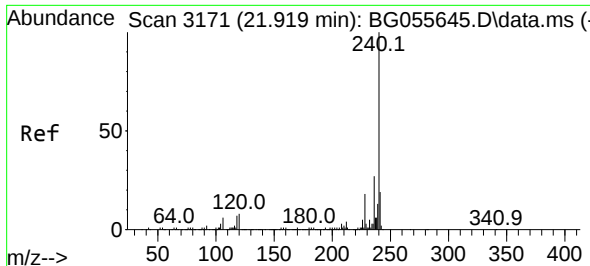


#75
 Fluoranthene
 Concen: 31.747 ng
 RT: 19.583 min Scan# 2773
 Delta R.T. -0.001 min
 Lab File: BG055904.D
 Acq: 6 Dec 2022 15:19



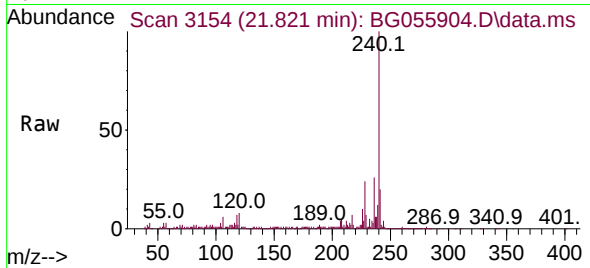
Tgt Ion:202 Resp: 511236
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 28.8
 203 18.1 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.821 min Scan# 3171
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

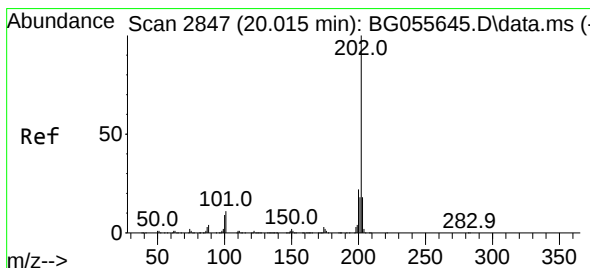
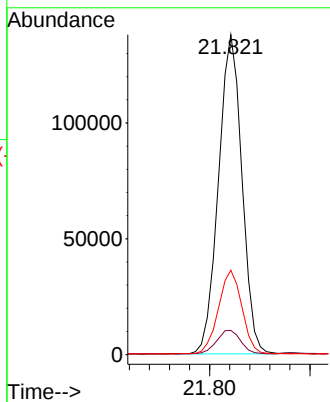
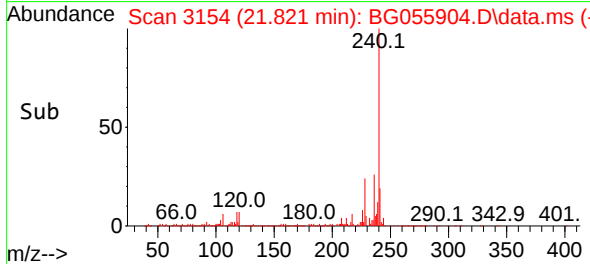
Instrument :
BNA_G
ClientSampleId :
VNJ-202



Tgt Ion:240 Resp: 223814
Ion Ratio Lower Upper
240 100
120 7.6 6.3 9.5
236 26.4 21.9 32.9

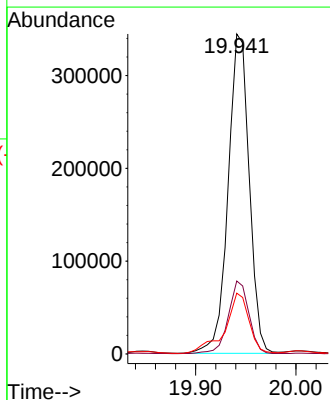
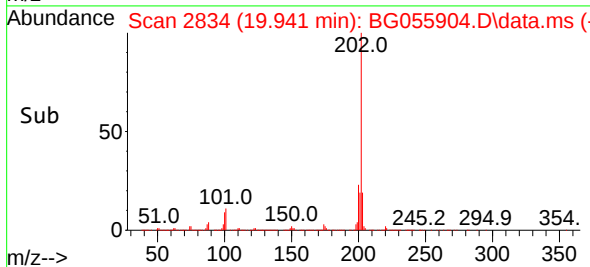
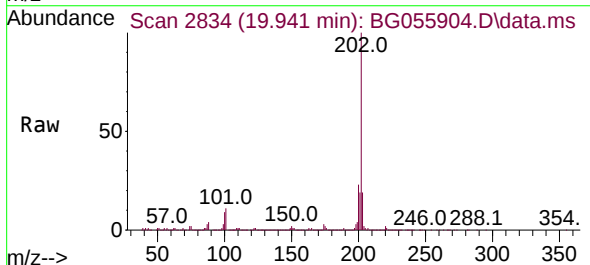
Manual Integrations
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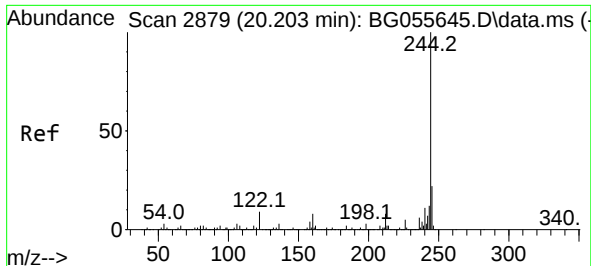
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#78
Pyrene
Concen: 33.141 ng
RT: 19.941 min Scan# 2834
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

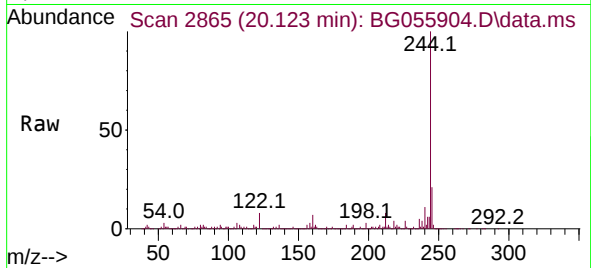
Tgt Ion:202 Resp: 502064
Ion Ratio Lower Upper
202 100
200 22.8 17.8 26.6
203 19.0 14.4 21.6





#79
 Terphenyl-d14
 Concen: 38.156 ng
 RT: 20.123 min Scan# 2879
 Delta R.T. -0.007 min
 Lab File: BG055904.D
 Acq: 6 Dec 2022 15:19

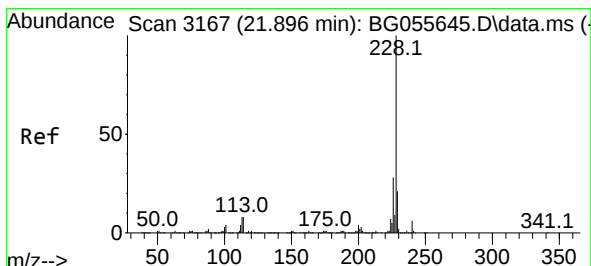
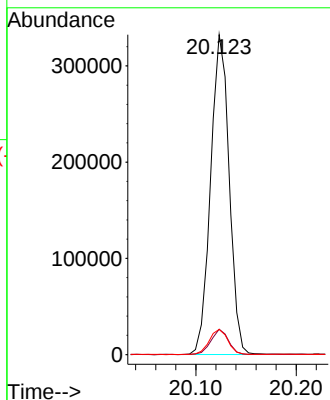
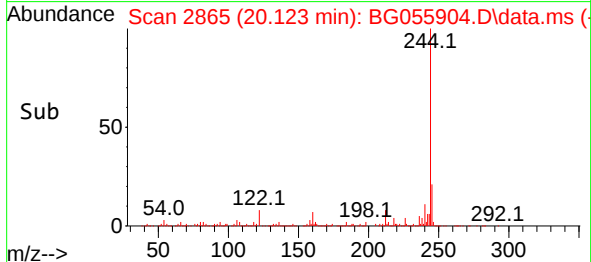
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-202



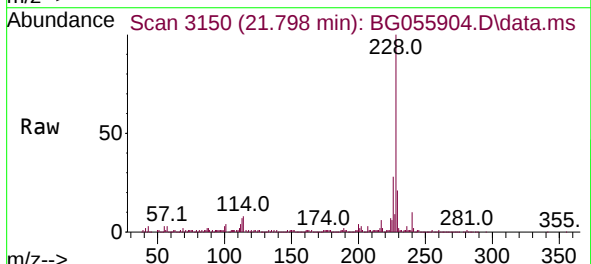
Tgt Ion:244 Resp: 426965
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.3 9.5
 122 7.9 6.9 10.3

Manual Integrations
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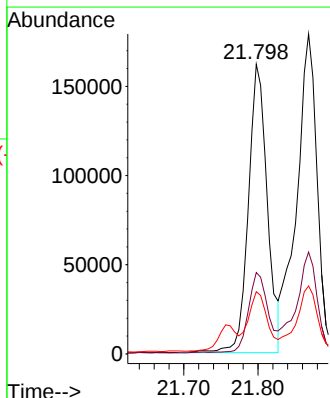
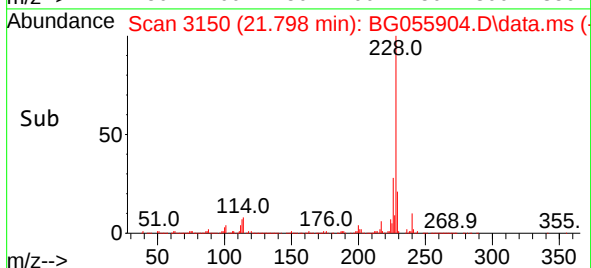
Reviewed By :Christian Giraldo 12/07/2022
 Supervised By :Jagrut Upadhyay 12/07/2022

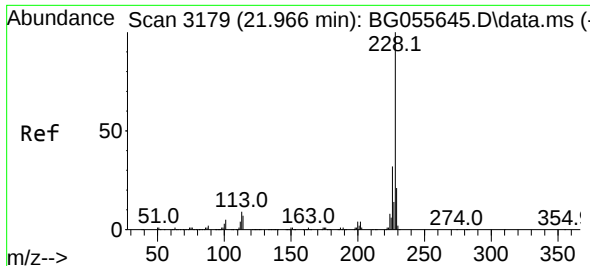


#81
 Benzo(a)anthracene
 Concen: 18.593 ng
 RT: 21.798 min Scan# 3150
 Delta R.T. -0.007 min
 Lab File: BG055904.D
 Acq: 6 Dec 2022 15:19



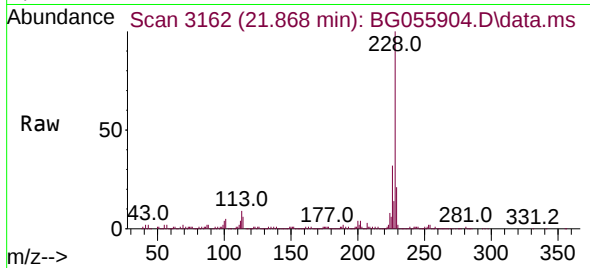
Tgt Ion:228 Resp: 286620
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.7 34.1
 229 21.5 16.5 24.7





#83
Chrysene
Concen: 23.334 ng
RT: 21.868 min Scan# 3179
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

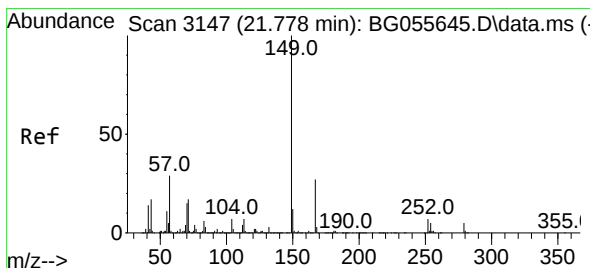
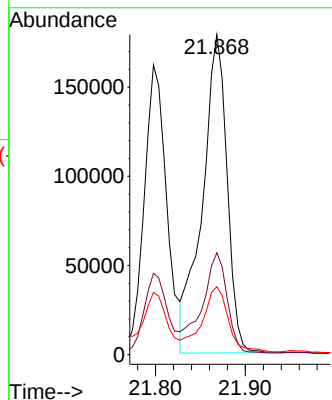
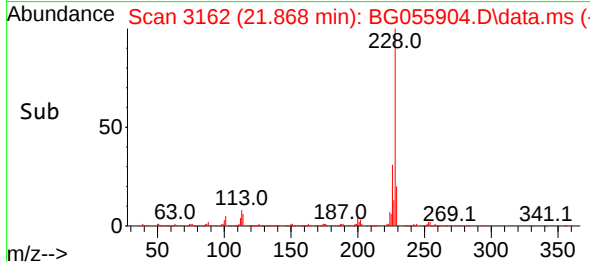
Instrument :
BNA_G
ClientSampleId :
VNJ-202



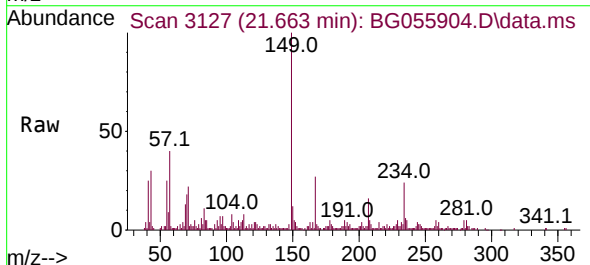
Tgt Ion:228 Resp: 342431
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 21.2 17.1 25.7

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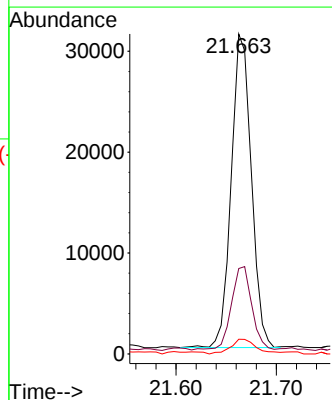
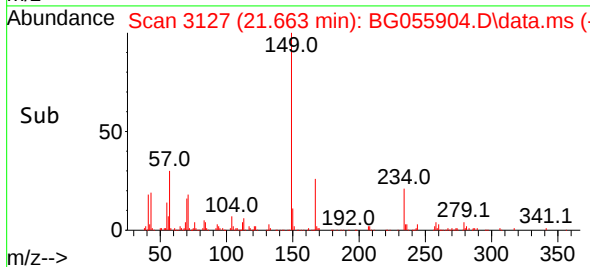
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022

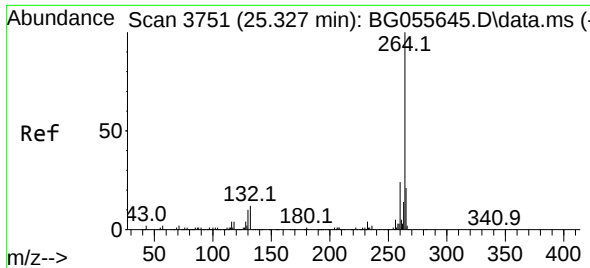


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.066 ng
RT: 21.663 min Scan# 3127
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19



Tgt Ion:149 Resp: 43178
Ion Ratio Lower Upper
149 100
167 26.7 22.0 33.0
279 4.6 3.7 5.5





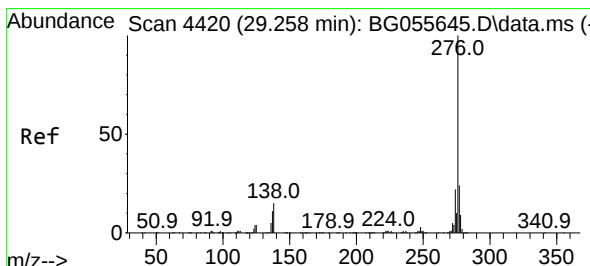
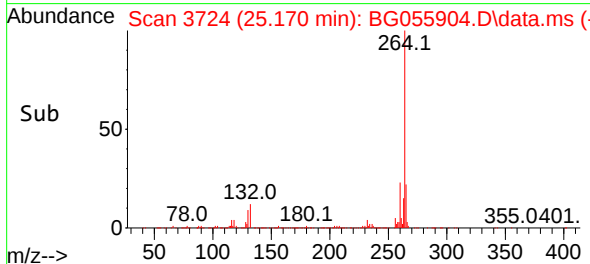
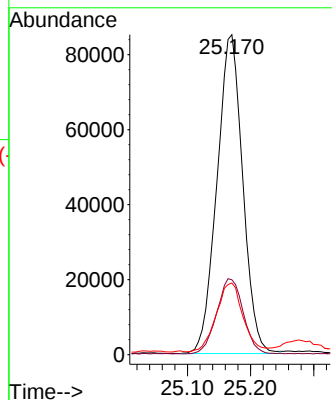
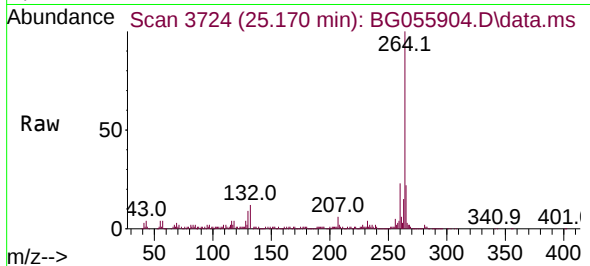
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.170 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Instrument :
BNA_G
ClientSampleId :
VNJ-202

Tgt Ion:264 Resp: 24148
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 22.4 17.1 25.7

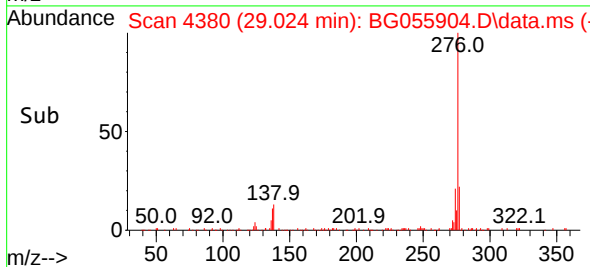
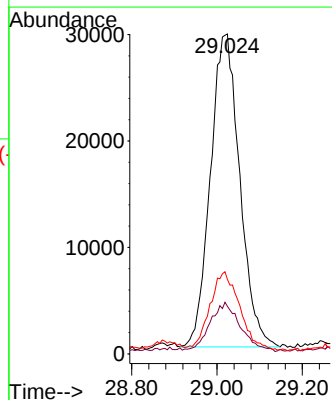
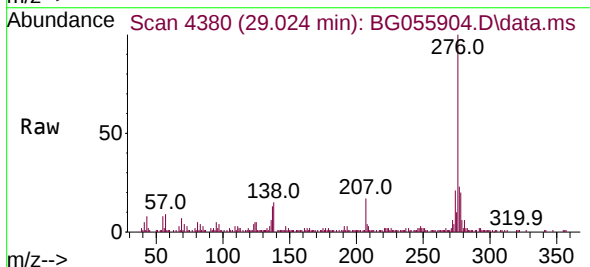
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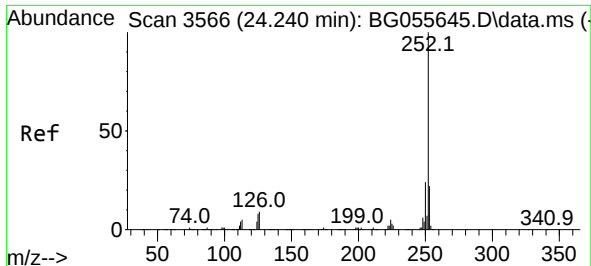
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.104 ng
RT: 29.024 min Scan# 4380
Delta R.T. -0.019 min
Lab File: BG055904.D
Acq: 6 Dec 2022 15:19

Tgt Ion:276 Resp: 140534
Ion Ratio Lower Upper
276 100
138 16.4 10.4 15.6#
277 25.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 25.328 ng

RT: 24.101 min Scan# 3542

Delta R.T. -0.007 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

Instrument :

BNA_G

ClientSampleId :

VNJ-202

Tgt Ion:252 Resp: 39833

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

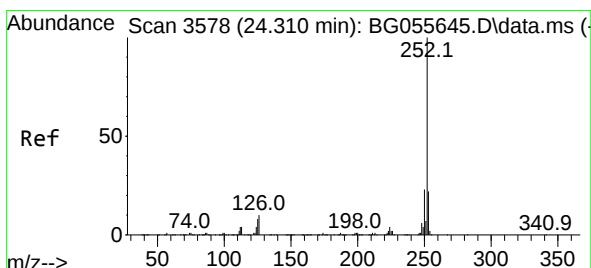
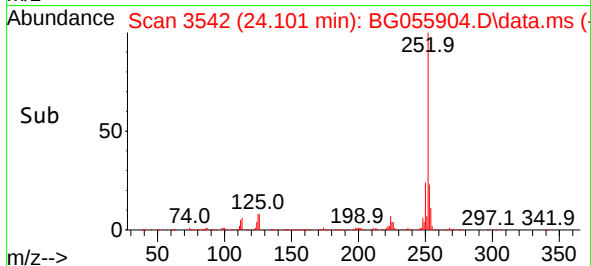
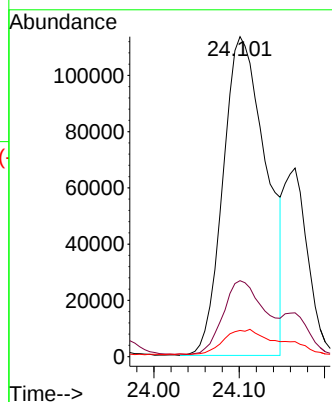
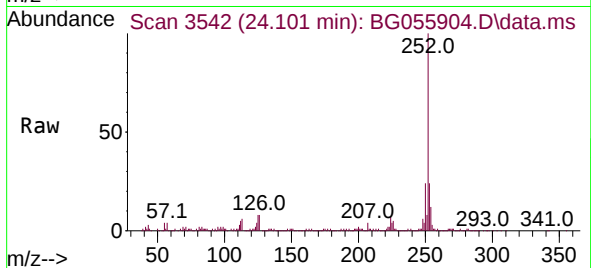
125 8.2 6.2 9.2

Manual Integrations

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#89

Benzo(k)fluoranthene

Concen: 8.051 ng m

RT: 24.165 min Scan# 3553

Delta R.T. -0.013 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

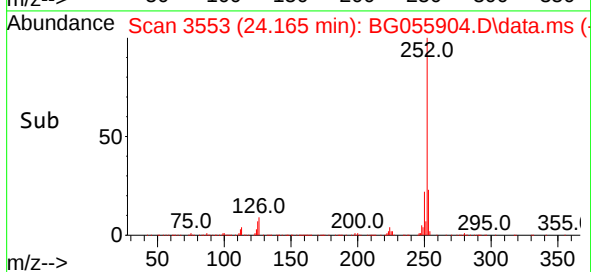
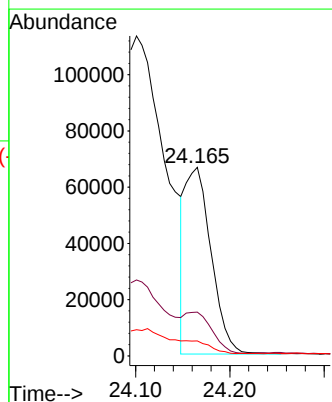
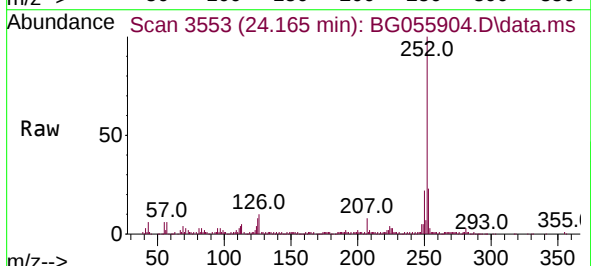
Tgt Ion:252 Resp: 126209

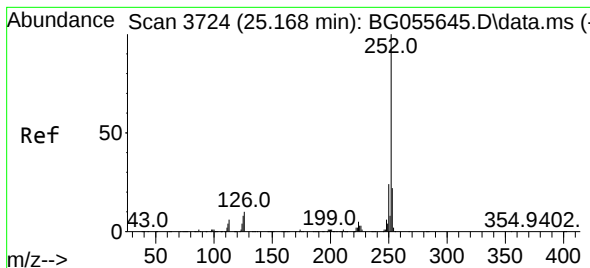
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 7.9 6.1 9.1





#90

Benzo(a)pyrene

Concen: 17.009 ng

RT: 25.012 min Scan# 30

Delta R.T. -0.007 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

Instrument :

BNA_G

ClientSampleId :

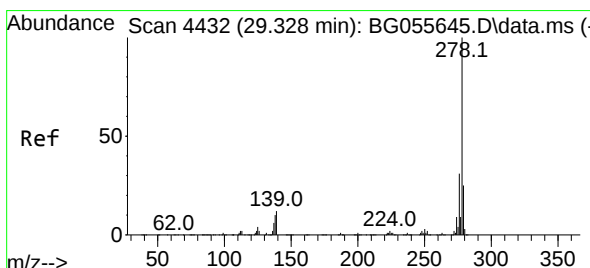
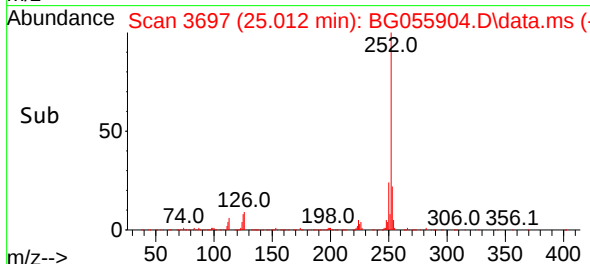
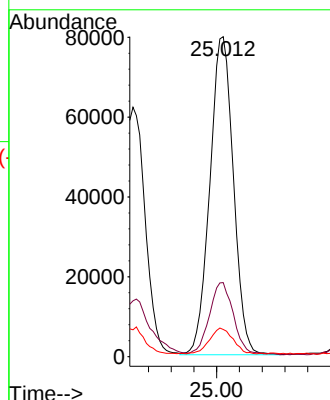
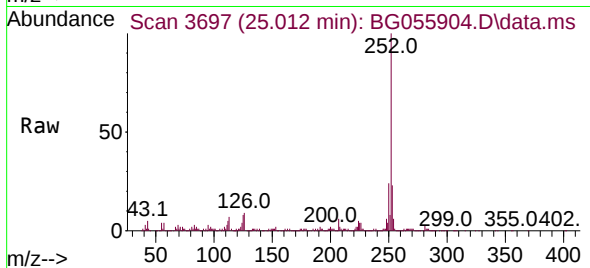
VNJ-202

Tgt Ion:252 Resp: 22954
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.6
 125 8.5 6.4 9.6

Manual Integrations

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 Supervised By :Jagrut Upadhyay 12/07/2022



#91

Dibenzo(a,h)anthracene

Concen: 2.838 ng m

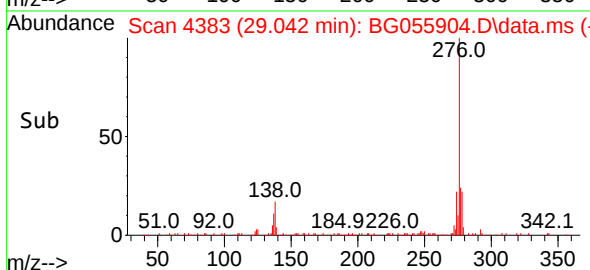
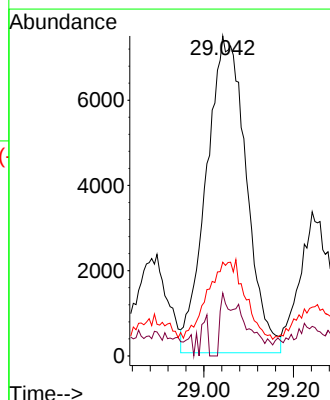
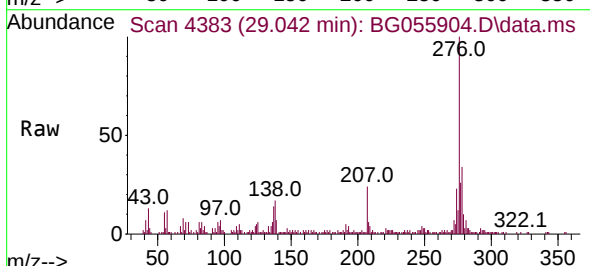
RT: 29.042 min Scan# 4383

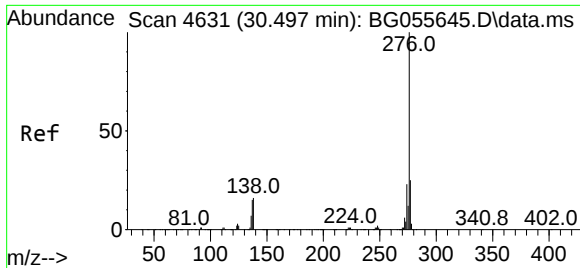
Delta R.T. -0.048 min

Lab File: BG055904.D

Acq: 6 Dec 2022 15:19

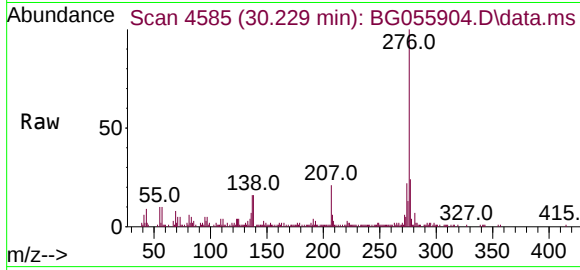
Tgt Ion:278 Resp: 45887
 Ion Ratio Lower Upper
 278 100
 139 19.6 9.8 14.8#
 279 29.3 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 8.061 ng
 RT: 30.229 min Scan# 4585
 Delta R.T. -0.025 min
 Lab File: BG055904.D
 Acq: 6 Dec 2022 15:19

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-202



Tgt Ion:	276	Resp:	131350
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.8	29.6
138	16.4	13.1	19.7

Manual Integrations
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 Supervised By :Jagrut Upadhyay 12/07/2022

