

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055748.D
 Acq On : 22 Nov 2022 20:40
 Operator : CG/JU
 Sample : N5718-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-228

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/23/2022
 Supervised By : Jagrut Upadhyay 11/23/2022

Quant Time: Nov 23 01:40:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:35:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.243	152	38188	20.000	ng	0.00
21) Naphthalene-d8	11.069	136	169548	20.000	ng	0.00
39) Acenaphthene-d10	14.864	164	120687	20.000	ng	0.00
64) Phenanthrene-d10	17.608	188	266427	20.000	ng	0.00
76) Chrysene-d12	21.903	240	245048	20.000	ng	0.00
86) Perylene-d12	25.317	264	263743	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.775	112	411797	194.912	ng	0.00
7) Phenol-d6	7.391	99	540313	192.119	ng	0.00
23) Nitrobenzene-d5	9.418	82	335366	104.547	ng	0.00
42) 2,4,6-Tribromophenol	16.351	330	277600	163.349	ng	0.00
45) 2-Fluorobiphenyl	13.489	172	800026	99.310	ng	0.00
79) Terphenyl-d14	20.193	244	1196837	97.688	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.929	154	25895	3.520	ng	97
58) Fluorene	15.910	166	33148	3.657	ng	99
71) Phenanthrene	17.649	178	236932	16.479	ng	99
72) Anthracene	17.737	178	64482	4.616	ng	98
75) Fluoranthene	19.647	202	440367	25.176	ng	99
78) Pyrene	20.005	202	349975	21.100	ng	100
81) Benzo(a)anthracene	21.886	228	146470	8.678	ng	99
83) Chrysene	21.950	228	153536m	9.556	ng	
84) Bis(2-ethylhexyl)phtha...	21.756	149	43778	4.691	ng	99
87) Indeno(1,2,3-cd)pyrene	29.224	276	84012	3.888	ng	# 95
88) Benzo(b)fluoranthene	24.224	252	198751	11.571	ng	# 96
89) Benzo(k)fluoranthene	24.283	252	68245m	3.986	ng	
90) Benzo(a)pyrene	25.146	252	127587	8.656	ng	# 95
92) Benzo(g,h,i)perylene	30.464	276	84802	4.765	ng	97

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

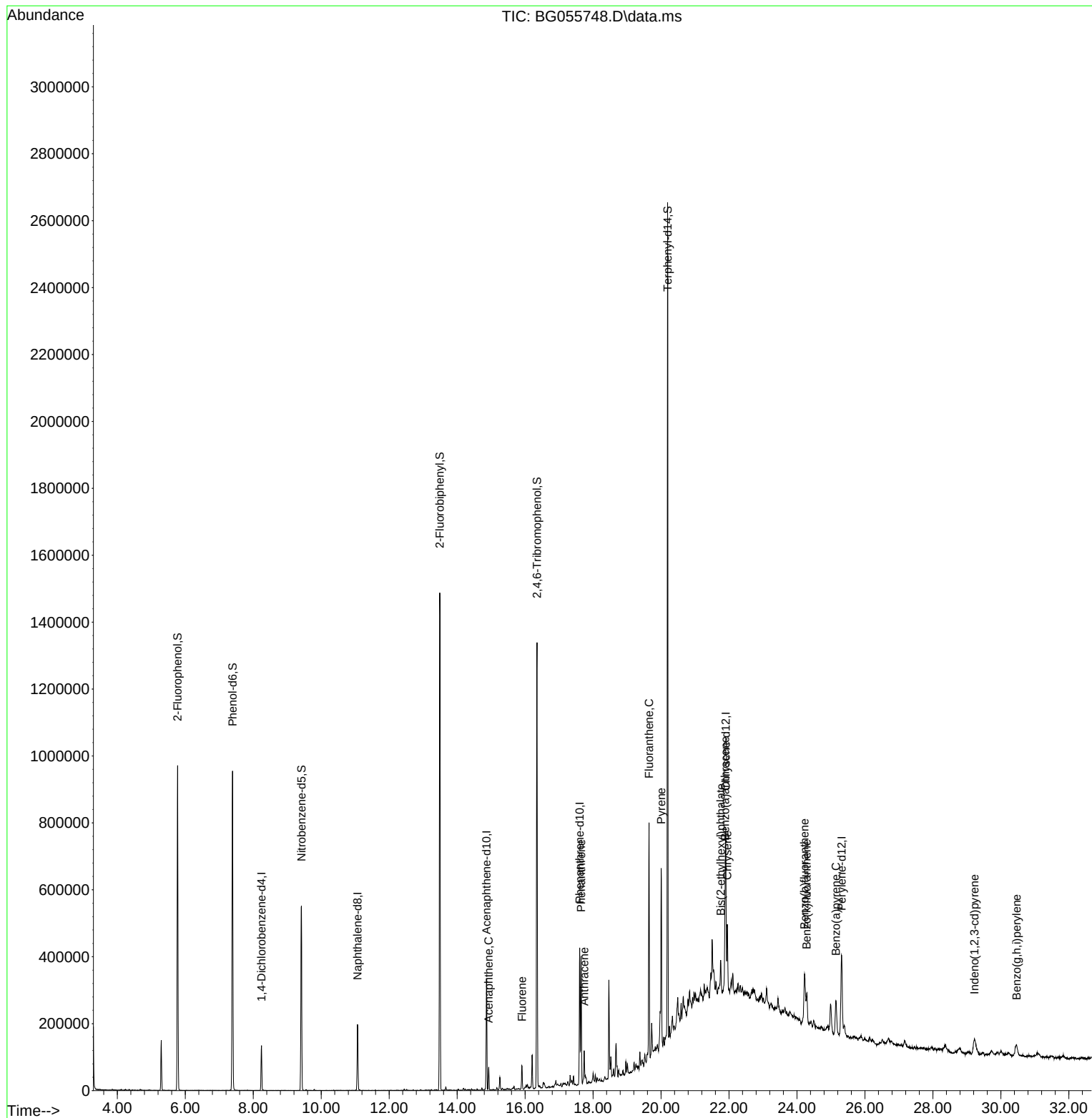
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055748.D
Acq On : 22 Nov 2022 20:40
Operator : CG/JU
Sample : N5718-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

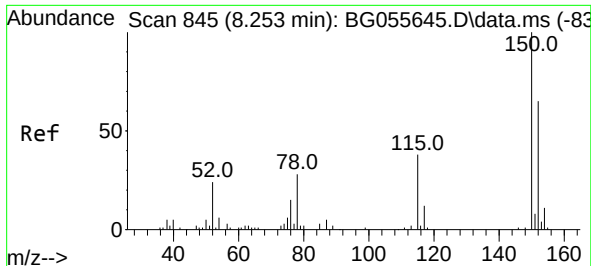
Instrument :
BNA_G
ClientSampleId :
VNJ-228

Quant Time: Nov 23 01:40:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 01:35:20 2022
Response via : Initial Calibration

Manual Integrations
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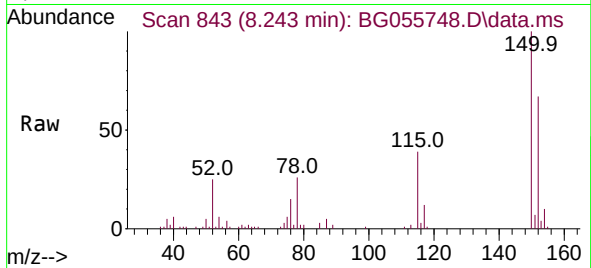
Reviewed By : Christian Giraldo 11/23/2022
Supervised By : Jagrut Upadhyay 11/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.243 min Scan# 845
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

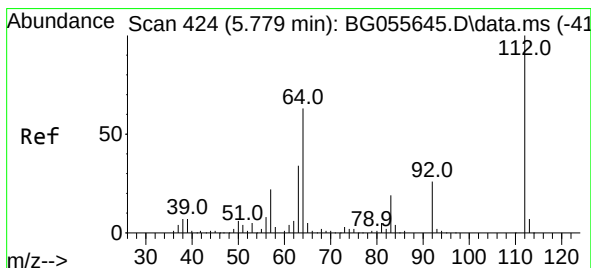
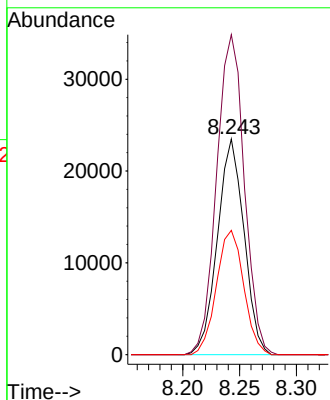
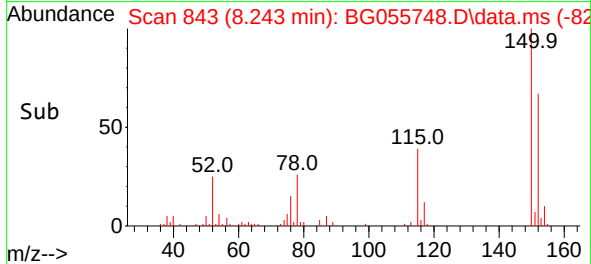
Instrument :
BNA_G
ClientSampleId :
VNJ-228



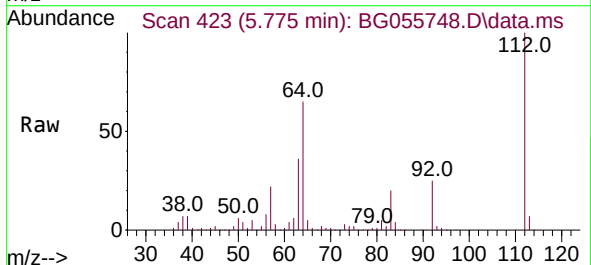
Tgt Ion:152 Resp: 38188
Ion Ratio Lower Upper
152 100
150 148.4 123.0 184.6
115 57.7 47.0 70.4

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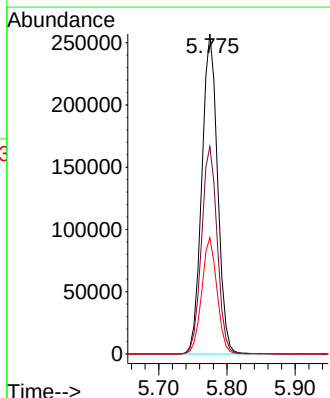
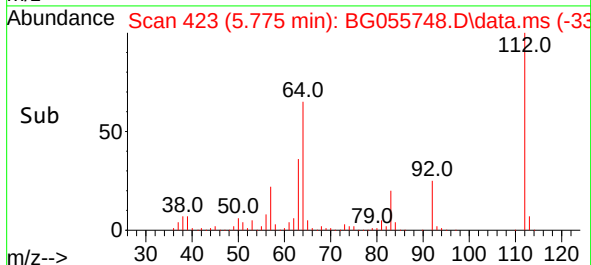
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

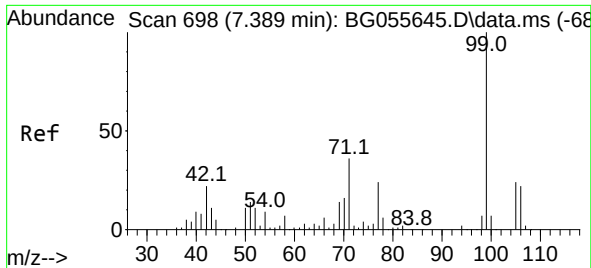


#5
2-Fluorophenol
Concen: 194.912 ng
RT: 5.775 min Scan# 423
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40



Tgt Ion:112 Resp: 411797
Ion Ratio Lower Upper
112 100
64 64.8 50.6 76.0
63 36.3 27.5 41.3





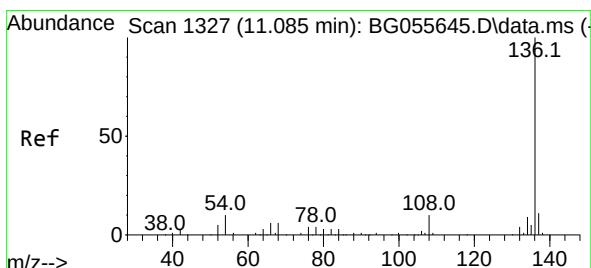
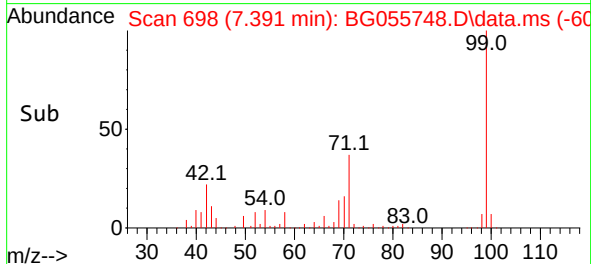
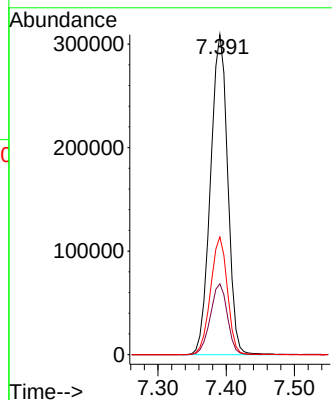
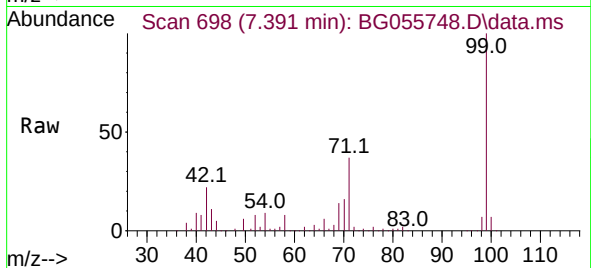
#7
Phenol-d6
Concen: 192.119 ng
RT: 7.391 min Scan# 698
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Instrument :
BNA_G
ClientSampleId :
VNJ-228

Tgt Ion: 99 Resp: 540313
Ion Ratio Lower Upper
99 100
42 22.1 18.0 27.0
71 36.8 29.0 43.6

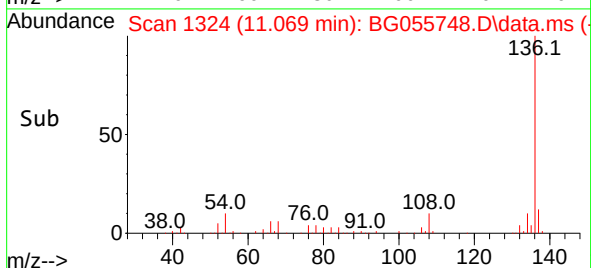
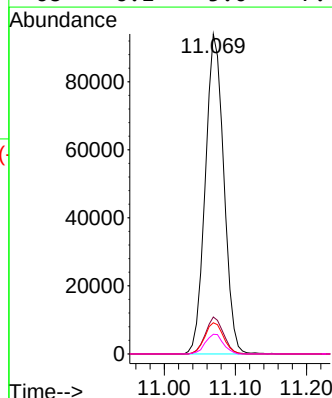
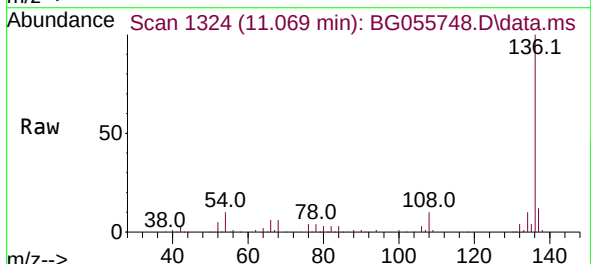
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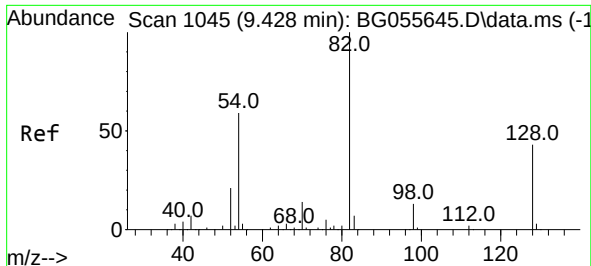
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.069 min Scan# 1324
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:136 Resp: 169548
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.8 7.8 11.6
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 104.547 ng

RT: 9.418 min Scan# 1043

Delta R.T. 0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

VNJ-228

Tgt Ion: 82 Resp: 335366

Ion Ratio Lower Upper

82 100

128 43.4 34.1 51.1

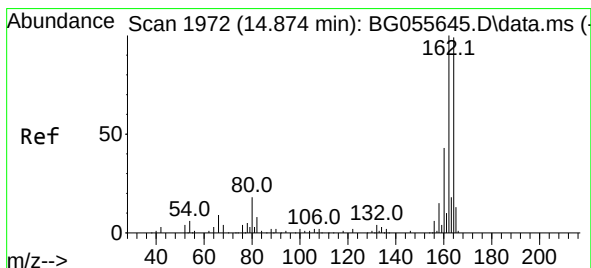
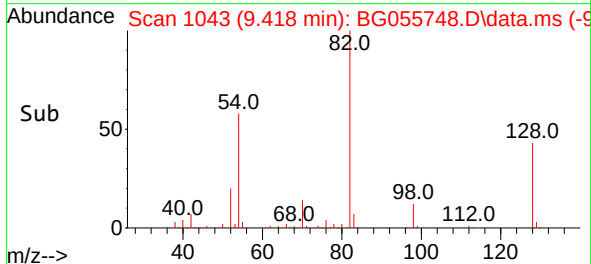
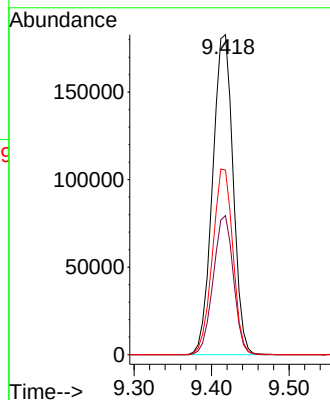
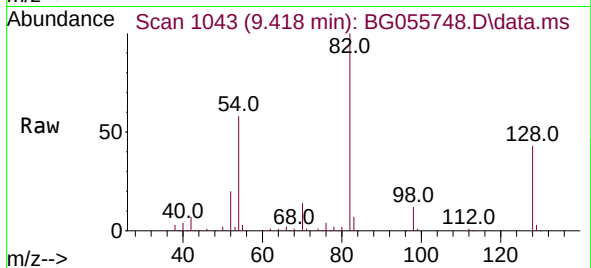
54 57.7 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.864 min Scan# 1970

Delta R.T. -0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

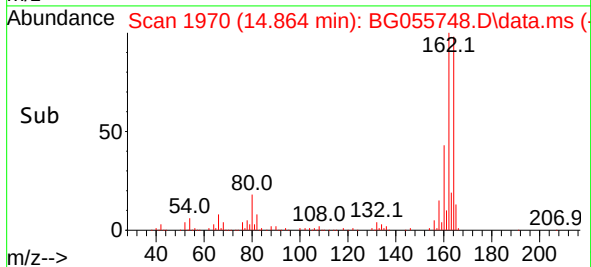
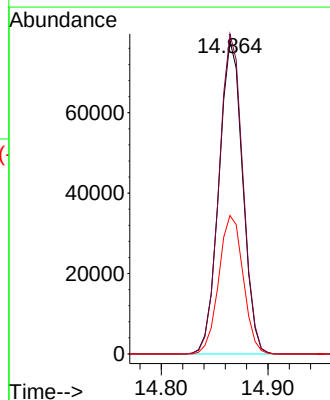
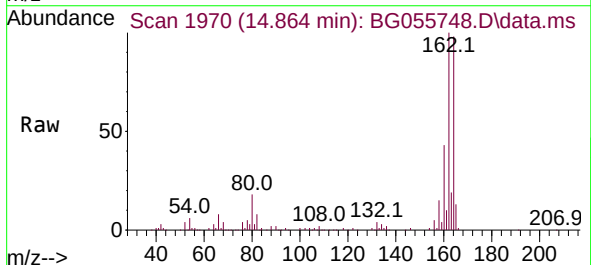
Tgt Ion:164 Resp: 120687

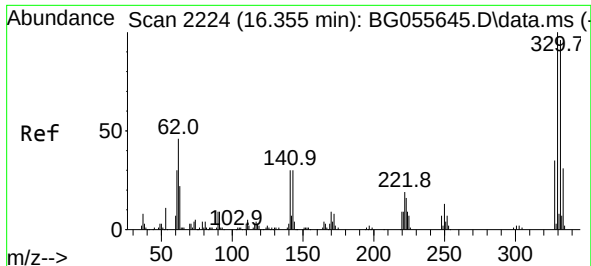
Ion Ratio Lower Upper

164 100

162 102.2 81.1 121.7

160 44.1 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 163.349 ng
RT: 16.351 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

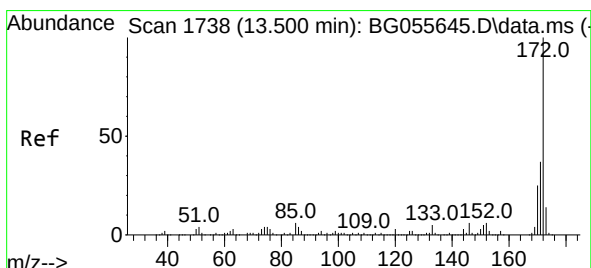
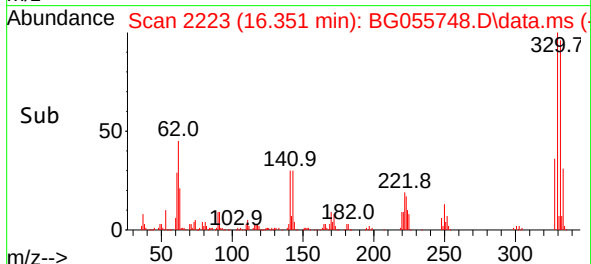
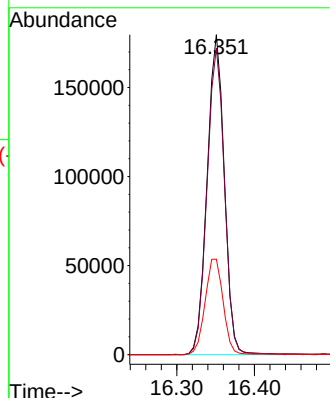
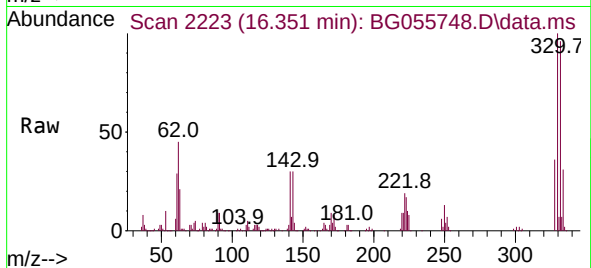
VNJ-228

Tgt Ion:330 Resp: 277600
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 31.4 23.9 35.9

Manual Integrations

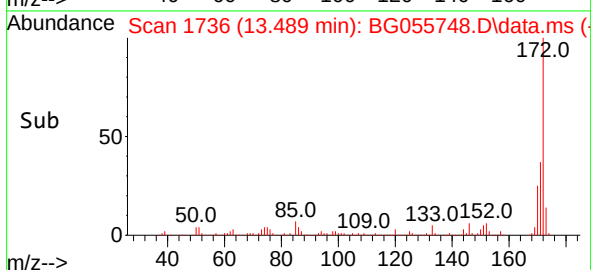
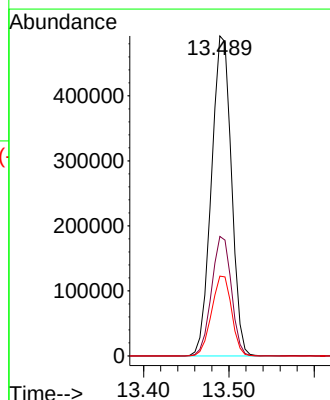
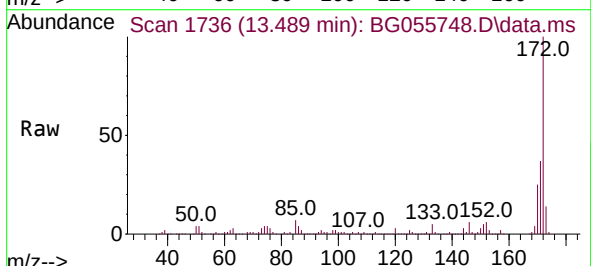
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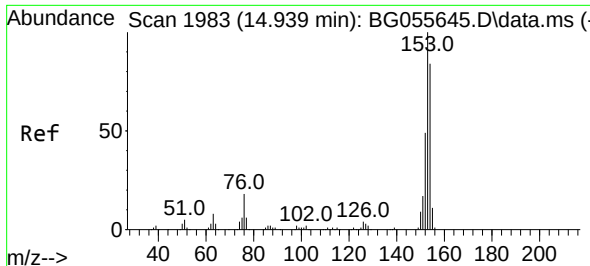
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#45
2-Fluorobiphenyl
Concen: 99.310 ng
RT: 13.489 min Scan# 1736
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:172 Resp: 800026
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.6
170 24.9 20.2 30.4





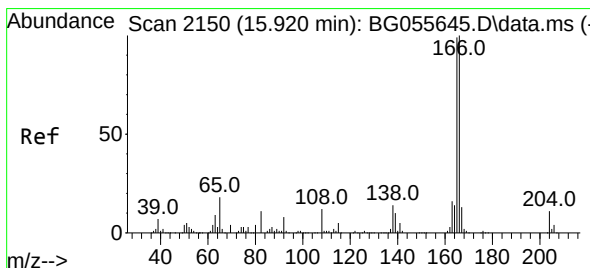
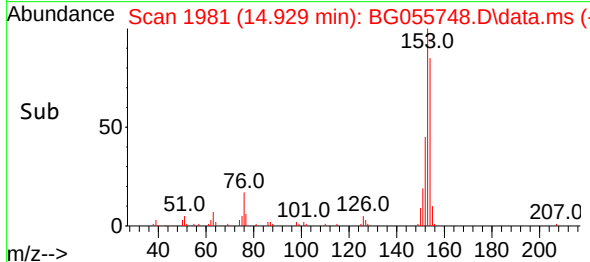
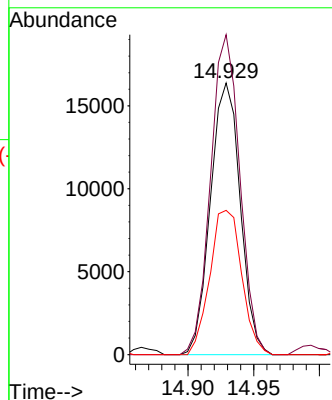
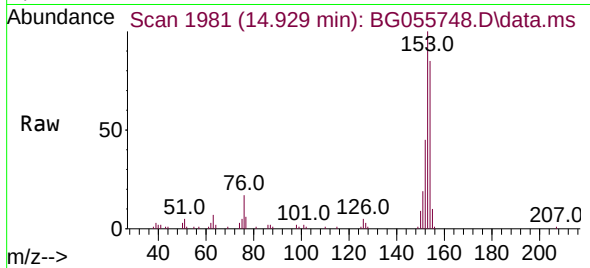
#52
Acenaphthene
Concen: 3.520 ng
RT: 14.929 min Scan# 1983
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Instrument :
BNA_G
ClientSampleId :
VNJ-228

Tgt Ion:154 Resp: 25895
Ion Ratio Lower Upper
154 100
153 117.8 95.0 142.4
152 53.1 46.1 69.1

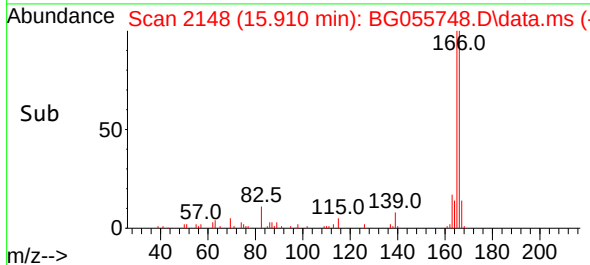
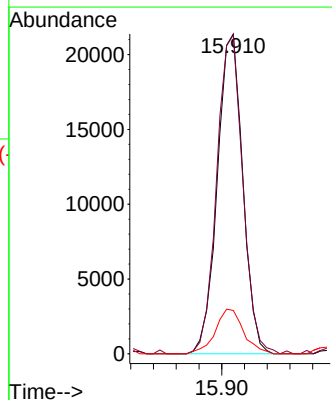
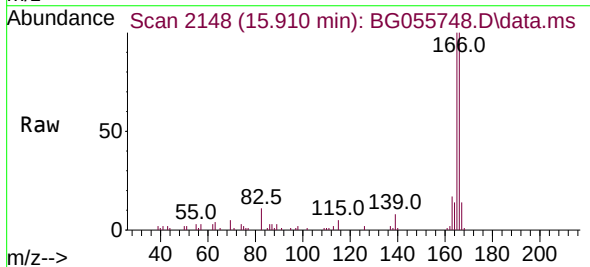
Manual Integrations
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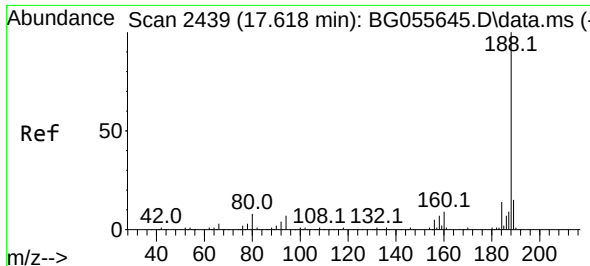
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#58
Fluorene
Concen: 3.657 ng
RT: 15.910 min Scan# 2148
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:166 Resp: 33148
Ion Ratio Lower Upper
166 100
165 99.7 79.3 118.9
167 13.6 10.6 15.8





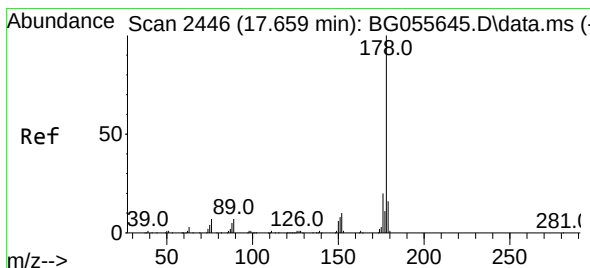
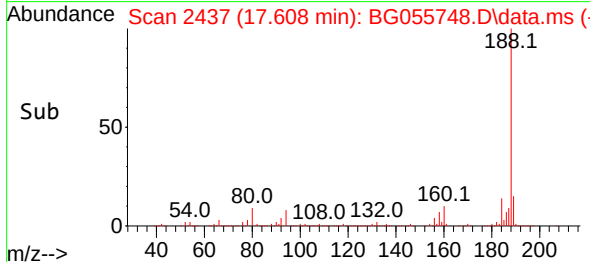
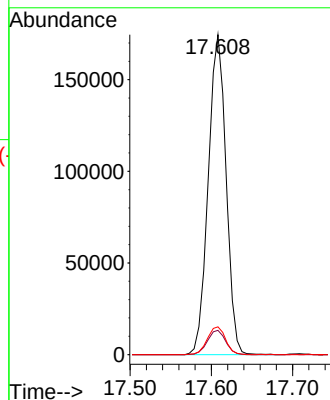
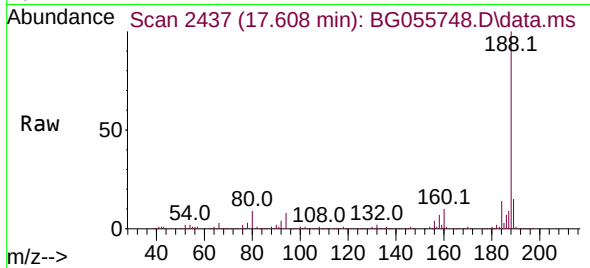
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.608 min Scan# 2439
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Instrument :
BNA_G
ClientSampleId :
VNJ-228

Tgt Ion:188 Resp: 266427
Ion Ratio Lower Upper
188 100
94 7.6 5.4 8.2
80 8.7 6.6 10.0

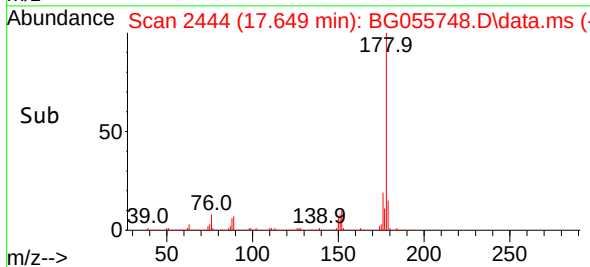
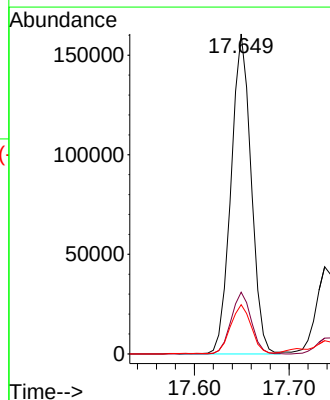
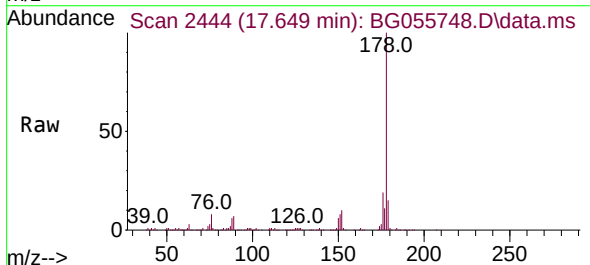
Manual Integrations
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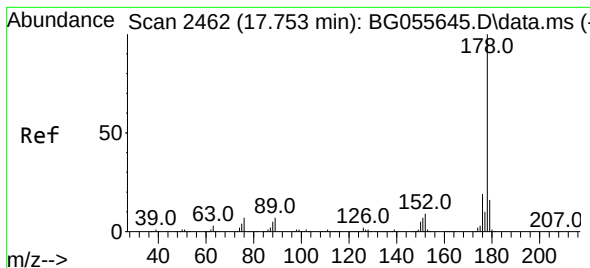
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#71
Phenanthrene
Concen: 16.479 ng
RT: 17.649 min Scan# 2444
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:178 Resp: 236932
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 12.7 19.1





#72

Anthracene

Concen: 4.616 ng

RT: 17.737 min Scan# 2462

Delta R.T. -0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

VNJ-228

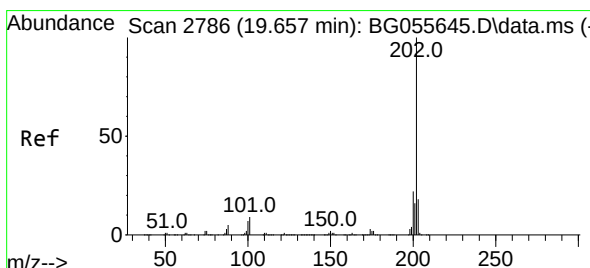
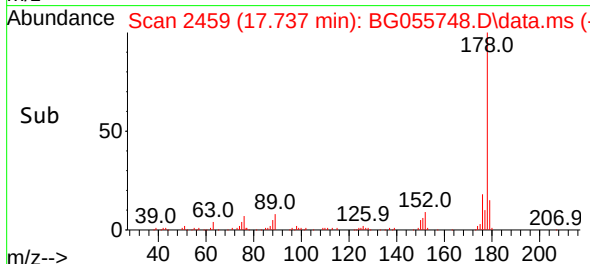
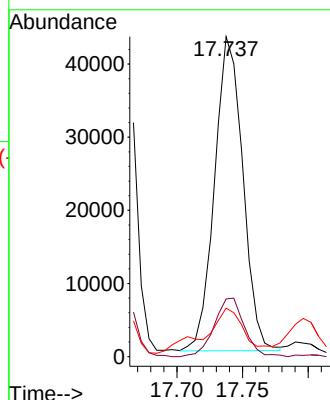
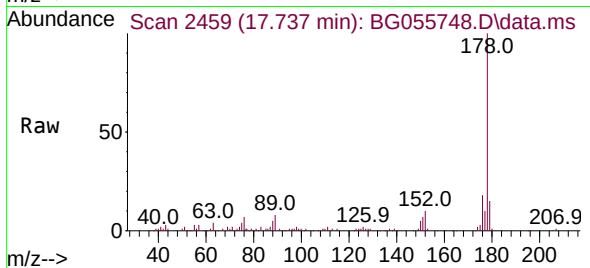
Tgt Ion:	178	Resp:	64482
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.5	23.3
179	15.1	12.5	18.7

Manual Integrations

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#75

Fluoranthene

Concen: 25.176 ng

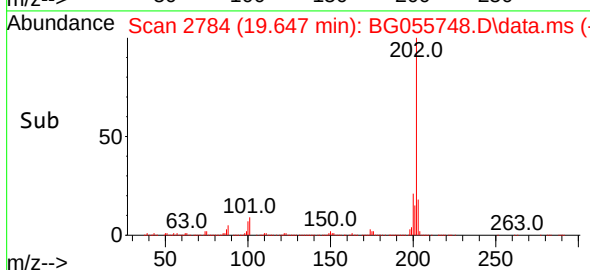
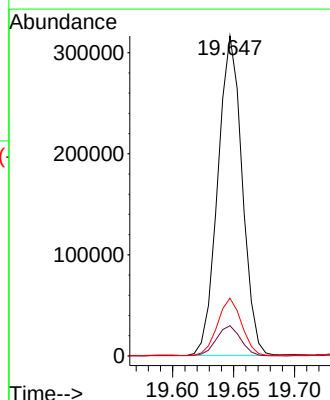
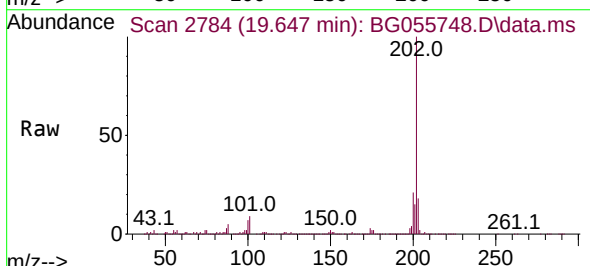
RT: 19.647 min Scan# 2784

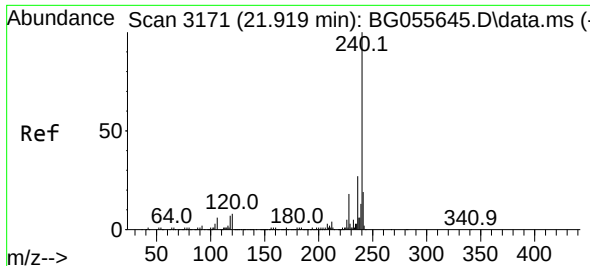
Delta R.T. 0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

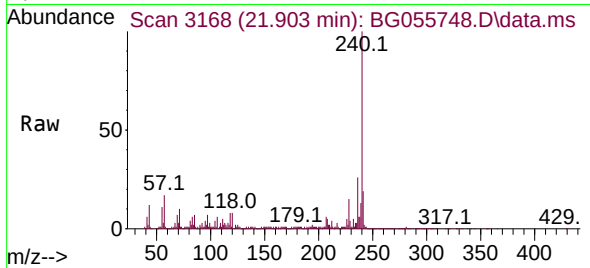
Tgt Ion:	202	Resp:	440367
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	28.8
203	18.0	0.0	38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.903 min Scan# 3171
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

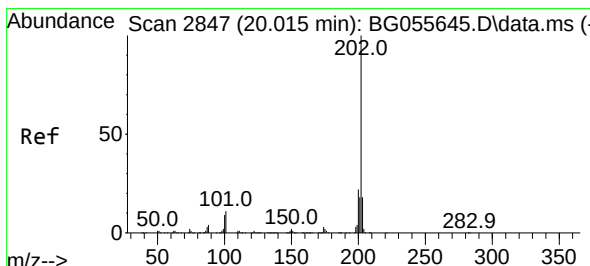
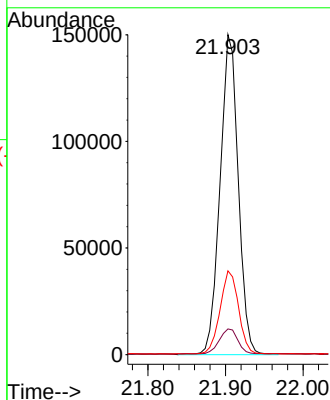
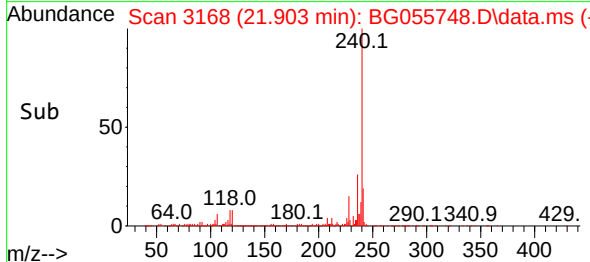
Instrument :
BNA_G
ClientSampleId :
VNJ-228



Tgt Ion:240 Resp: 245048
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 26.2 21.9 32.9

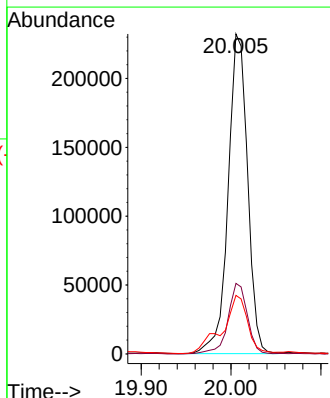
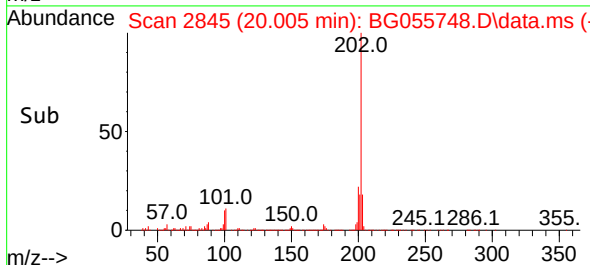
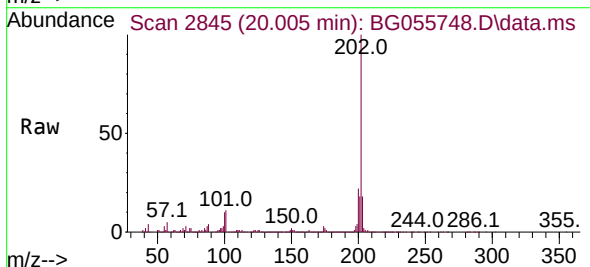
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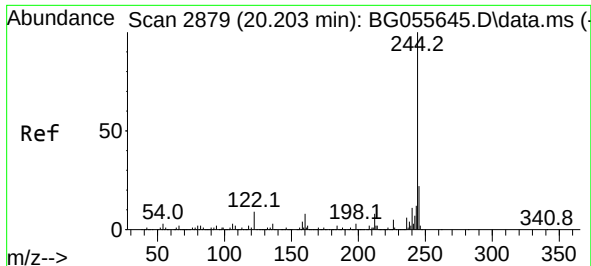
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#78
Pyrene
Concen: 21.100 ng
RT: 20.005 min Scan# 2845
Delta R.T. -0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

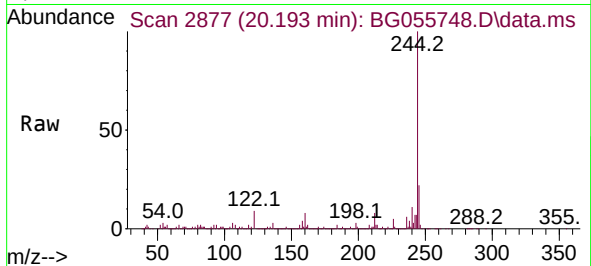
Tgt Ion:202 Resp: 349975
Ion Ratio Lower Upper
202 100
200 22.0 17.8 26.6
203 18.3 14.4 21.6





#79
 Terphenyl-d14
 Concen: 97.688 ng
 RT: 20.193 min Scan# 2877
 Delta R.T. 0.003 min
 Lab File: BG055748.D
 Acq: 22 Nov 2022 20:40

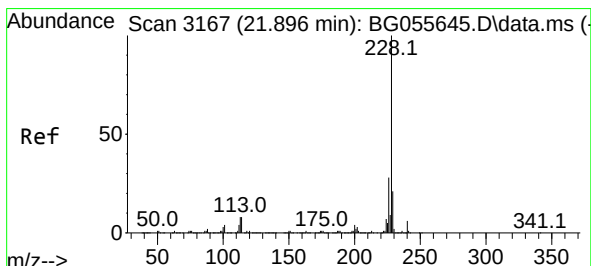
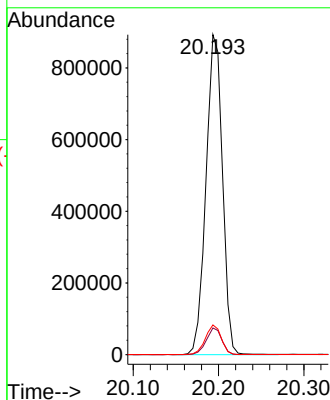
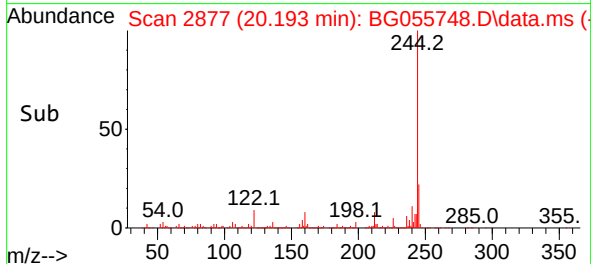
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-228



Tgt Ion:244 Resp: 119683
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.3 9.5
 122 9.3 6.9 10.3

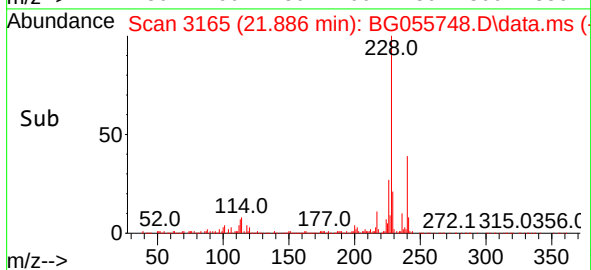
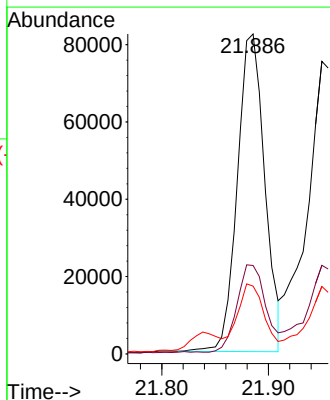
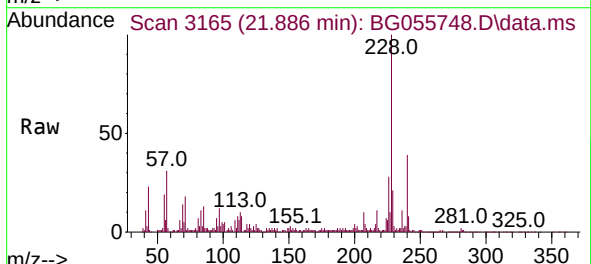
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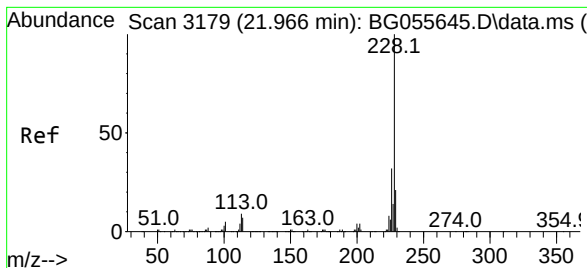
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022



#81
 Benzo(a)anthracene
 Concen: 8.678 ng
 RT: 21.886 min Scan# 3165
 Delta R.T. 0.003 min
 Lab File: BG055748.D
 Acq: 22 Nov 2022 20:40

Tgt Ion:228 Resp: 146470
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.7 34.1
 229 21.2 16.5 24.7





#83

Chrysene

Concen: 9.556 ng m

RT: 21.950 min Scan# 3179

Delta R.T. -0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

VNJ-228

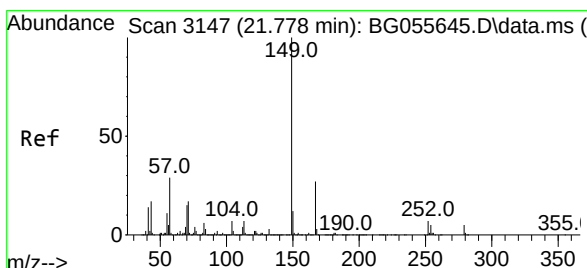
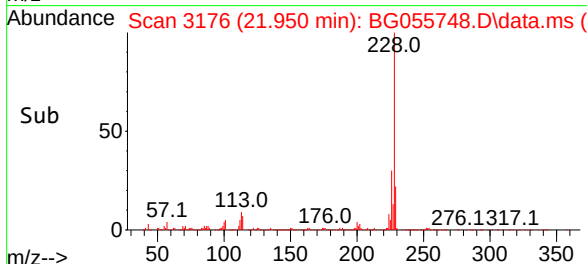
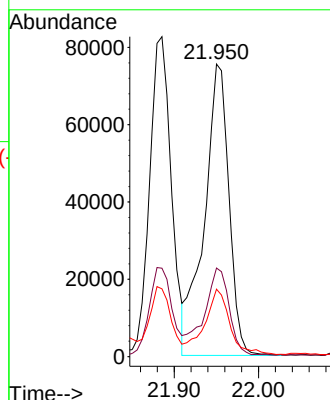
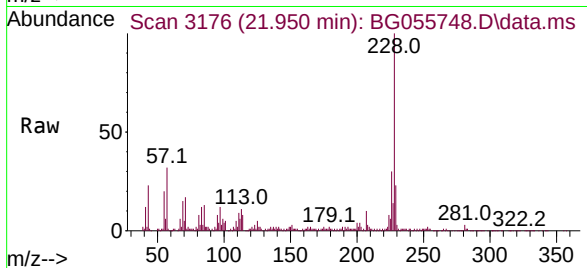
Tgt Ion:	228	Resp:	153536
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.4	38.2
229	23.0	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.691 ng

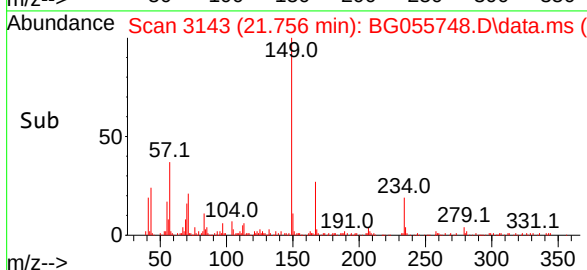
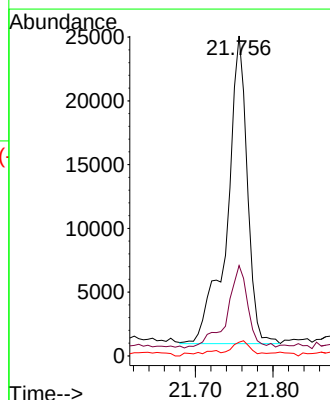
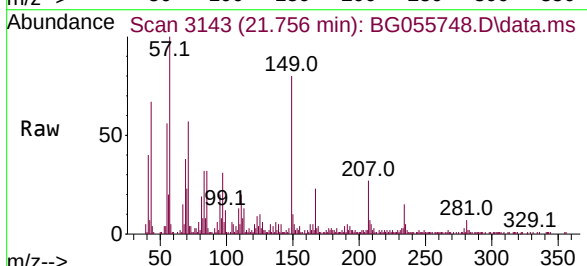
RT: 21.756 min Scan# 3143

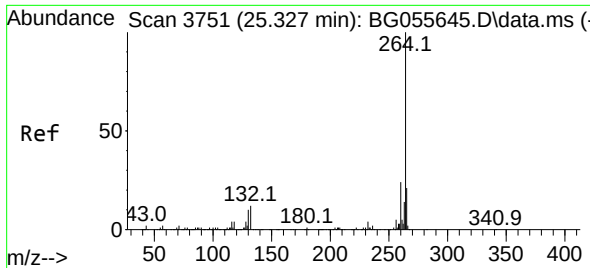
Delta R.T. 0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

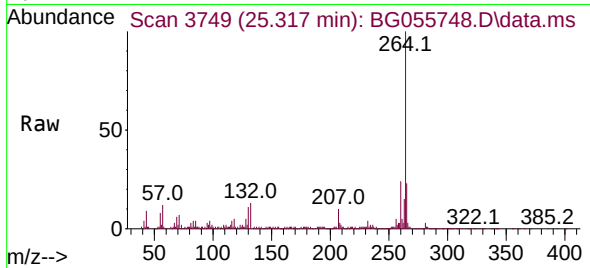
Tgt Ion:	149	Resp:	43778
Ion Ratio	Lower	Upper	
149	100		
167	28.2	22.0	33.0
279	4.3	3.7	5.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.317 min Scan# 31
 Delta R.T. 0.014 min
 Lab File: BG055748.D
 Acq: 22 Nov 2022 20:40

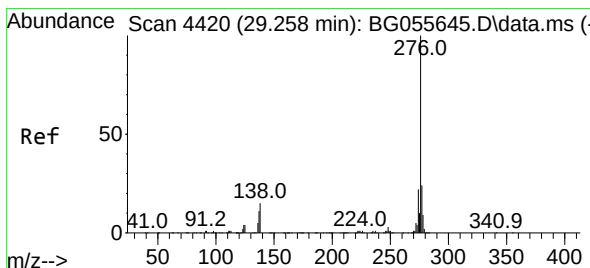
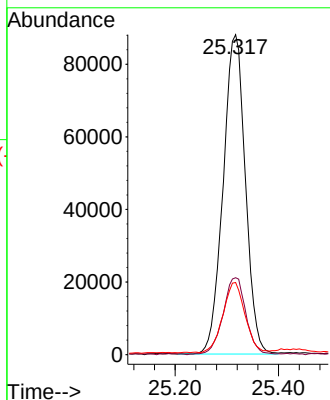
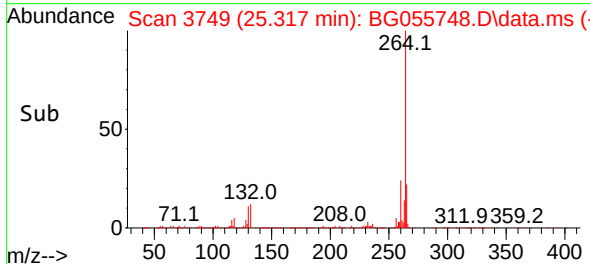
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-228



Tgt Ion:264 Resp: 263743
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 22.5 17.1 25.7

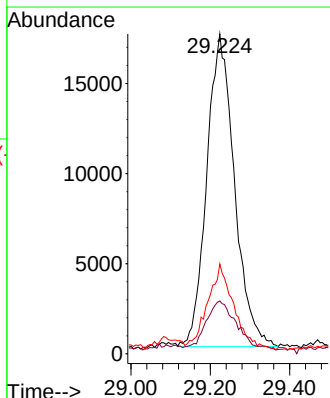
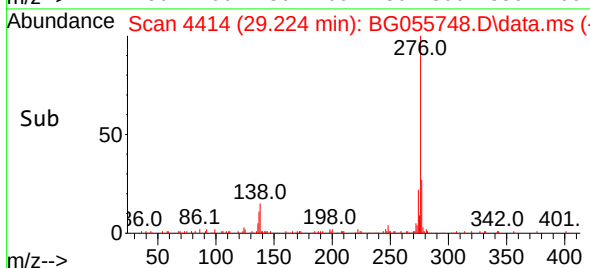
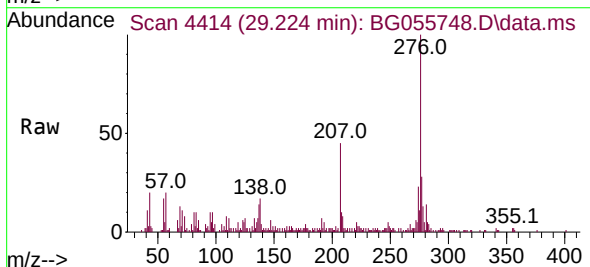
Manual Integrations
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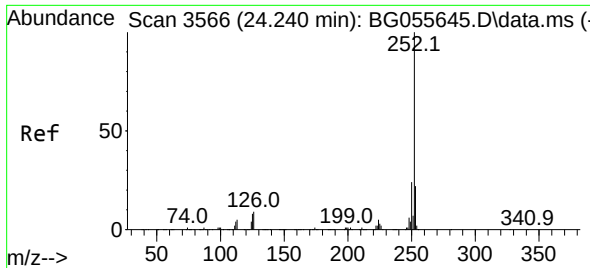
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.888 ng
 RT: 29.224 min Scan# 4414
 Delta R.T. -0.009 min
 Lab File: BG055748.D
 Acq: 22 Nov 2022 20:40

Tgt Ion:276 Resp: 84012
 Ion Ratio Lower Upper
 276 100
 138 17.3 10.4 15.6#
 277 26.3 20.2 30.4





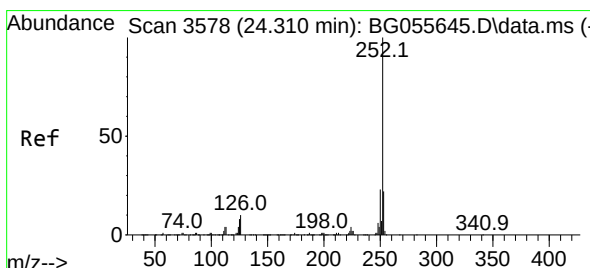
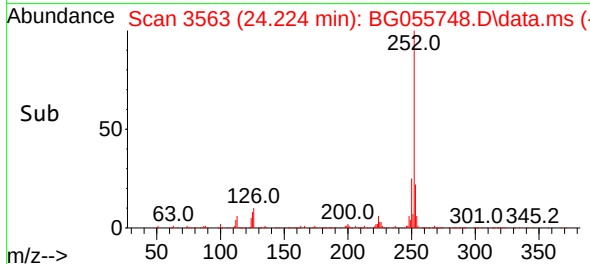
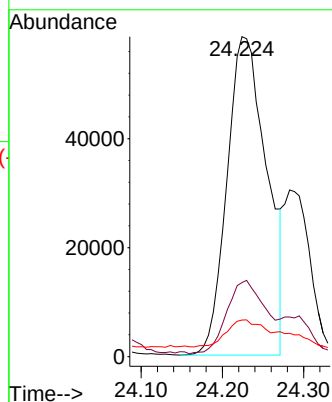
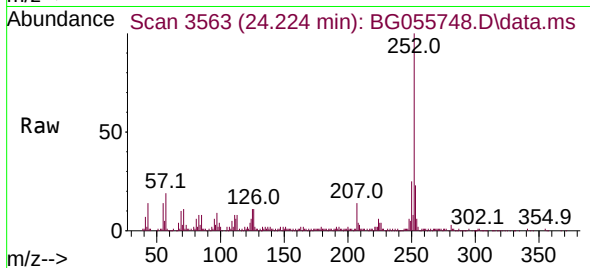
#88
Benzo(b)fluoranthene
Concen: 11.571 ng
RT: 24.224 min Scan# 3566
Delta R.T. 0.003 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Instrument :
BNA_G
ClientSampleId :
VNJ-228

Tgt Ion:252 Resp: 19875
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 11.4 6.2 9.2

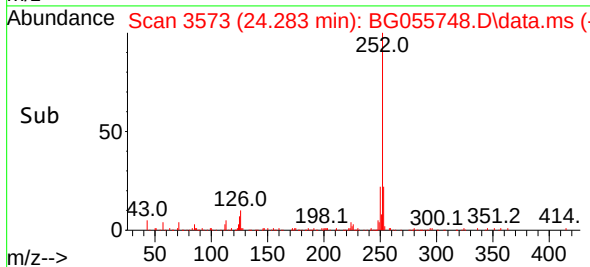
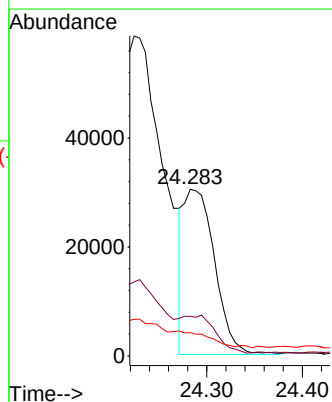
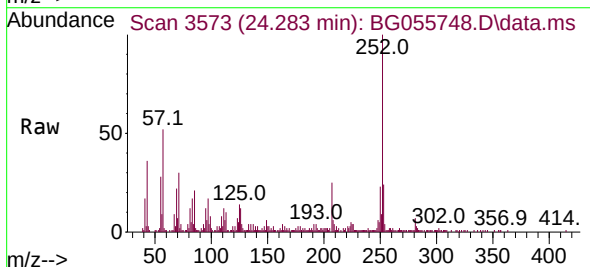
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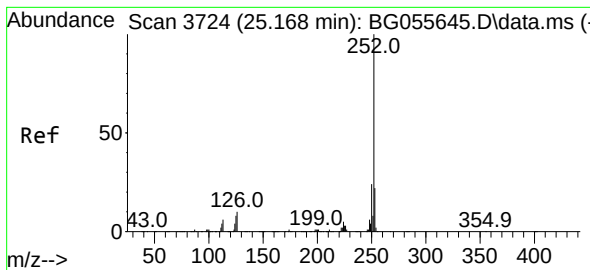
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#89
Benzo(k)fluoranthene
Concen: 3.986 ng m
RT: 24.283 min Scan# 3573
Delta R.T. -0.009 min
Lab File: BG055748.D
Acq: 22 Nov 2022 20:40

Tgt Ion:252 Resp: 68245
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 14.0 6.1 9.1





#90

Benzo(a)pyrene

Concen: 8.656 ng

RT: 25.146 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

Instrument :

BNA_G

ClientSampleId :

VNJ-228

Tgt Ion:252 Resp: 12758

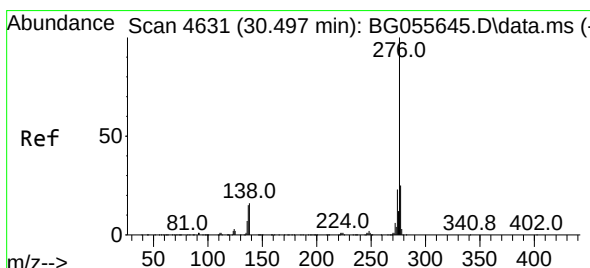
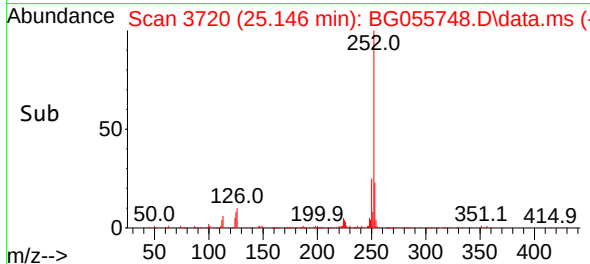
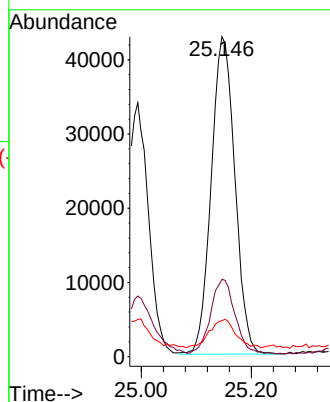
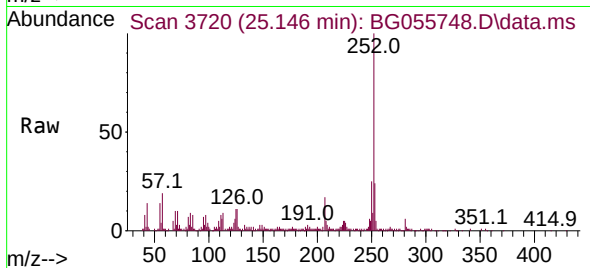
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	11.2	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#92

Benzo(g,h,i)perylene

Concen: 4.765 ng

RT: 30.464 min Scan# 4625

Delta R.T. 0.003 min

Lab File: BG055748.D

Acq: 22 Nov 2022 20:40

Tgt Ion:276 Resp: 84802

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.8	29.6
138	14.6	13.1	19.7

