

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
 Data File : BG054813.D
 Acq On : 31 Aug 2022 19:31
 Operator : CG/JU
 Sample : N4421-11 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-PALM-SP-03

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/01/2022
 Supervised By : Jagrut Upadhyay 09/01/2022

Quant Time: Sep 01 05:05:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	61198	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	241685	20.000	ng	0.00
39) Acenaphthene-d10	14.787	164	150402	20.000	ng	0.00
64) Phenanthrene-d10	17.531	188	294832	20.000	ng	0.00
76) Chrysene-d12	21.837	240	269397	20.000	ng	0.01
86) Perylene-d12	25.233	264	298071	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	31312	8.910	ng	0.00
7) Phenol-d6	7.295	99	42226	8.786	ng	0.00
23) Nitrobenzene-d5	9.322	82	26568	5.771	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	15083	8.026	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	63985	6.394	ng	0.00
79) Terphenyl-d14	20.133	244	89882	6.611	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.578	178	42769	2.723	ng	# 90
75) Fluoranthene	19.581	202	72578	3.799	ng	86
78) Pyrene	19.945	202	155055	8.254	ng	# 92
81) Benzo(a)anthracene	21.820	228	106617	5.837	ng	# 83
83) Chrysene	21.884	228	192954m	11.048	ng	
88) Benzo(b)fluoranthene	24.146	252	75982m	4.064	ng	
90) Benzo(a)pyrene	25.069	252	76252	4.773	ng	# 64
92) Benzo(g,h,i)perylene	30.345	276	54728	2.939	ng	# 84

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

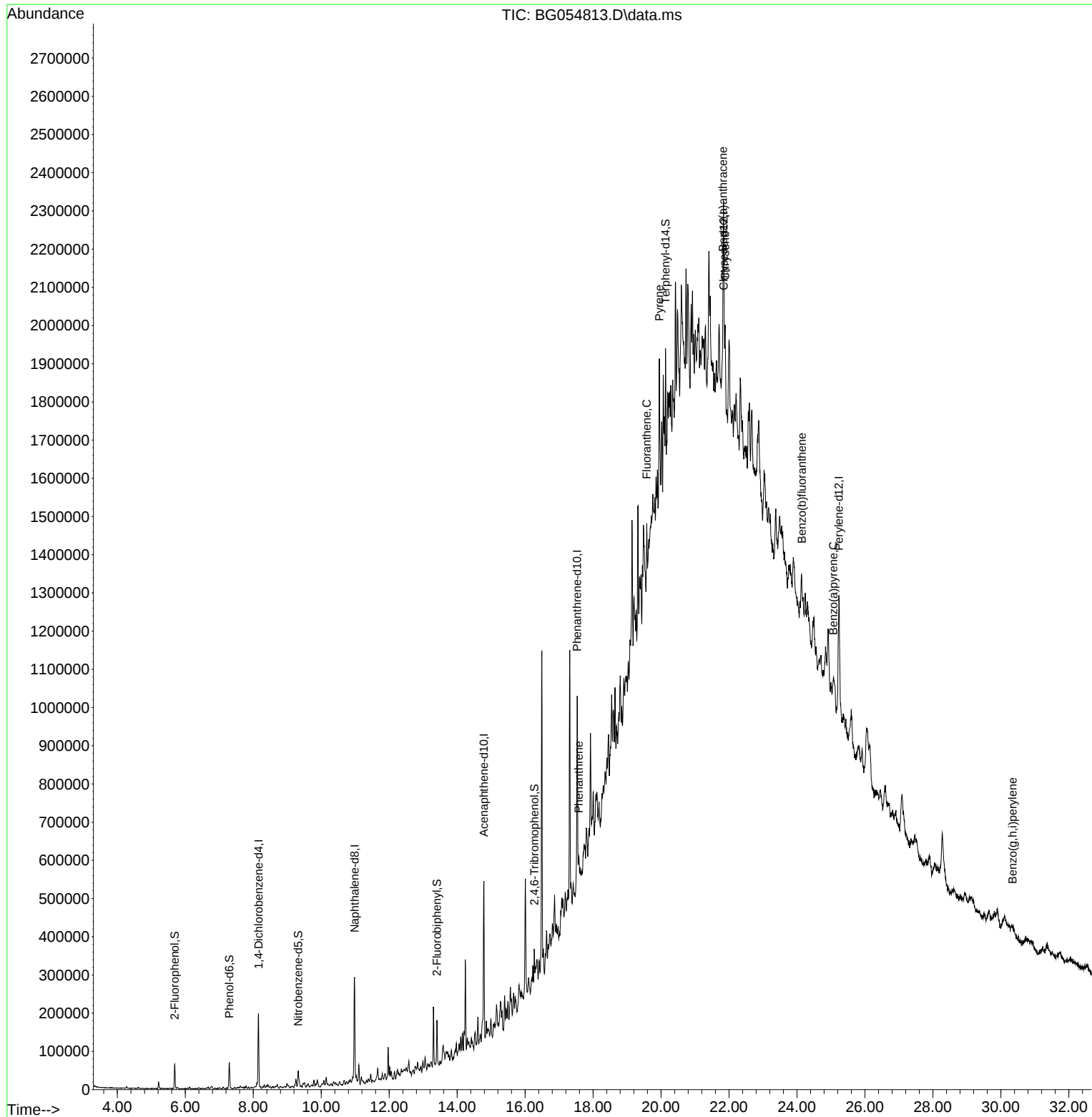
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
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APPROVED

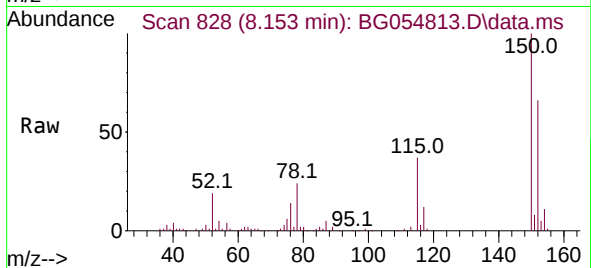
Reviewed By : Christian Giraldo 09/01/2022
Supervised By : Jagrut Upadhyay 09/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

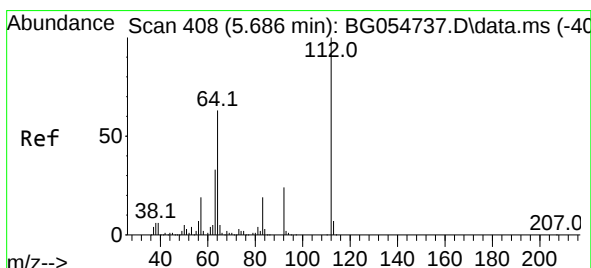
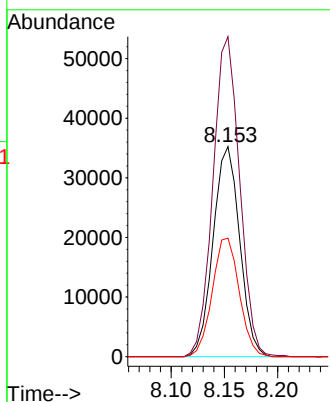
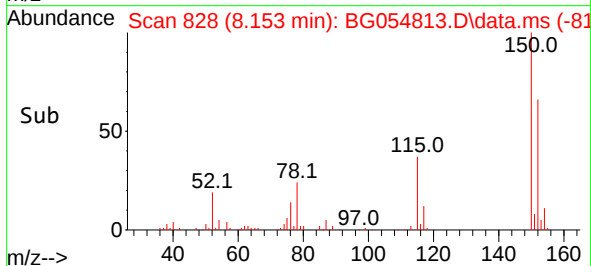
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-03



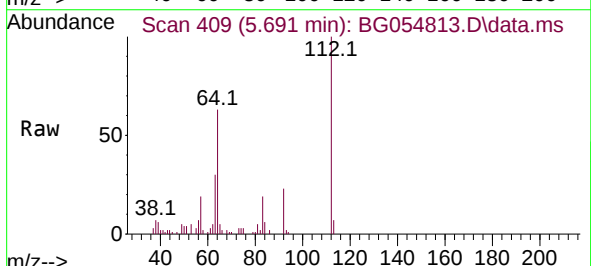
Tgt Ion:152 Resp: 61198
Ion Ratio Lower Upper
152 100
150 152.4 125.2 187.8
115 56.4 47.9 71.9

Manual Integrations
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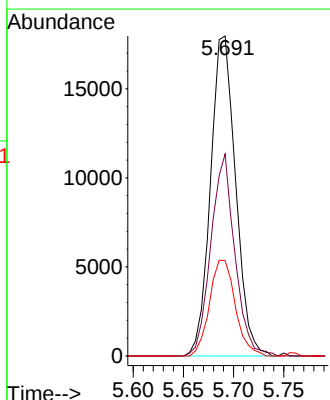
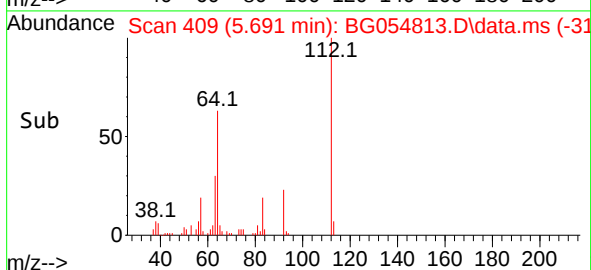
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

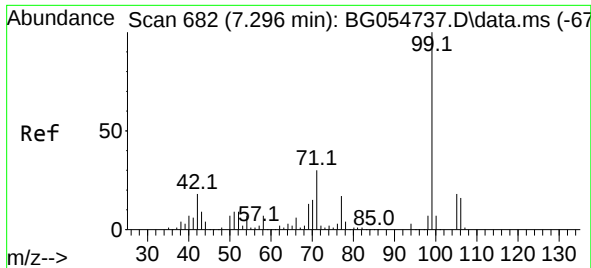


#5
2-Fluorophenol
Concen: 8.910 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.006 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31



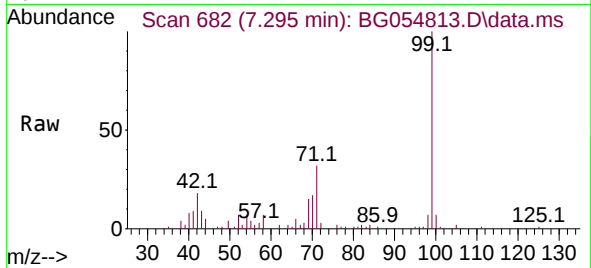
Tgt Ion:112 Resp: 31312
Ion Ratio Lower Upper
112 100
64 63.1 49.3 73.9
63 29.8 26.3 39.5





#7
Phenol-d6
Concen: 8.786 ng
RT: 7.295 min Scan# 682
Delta R.T. -0.000 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

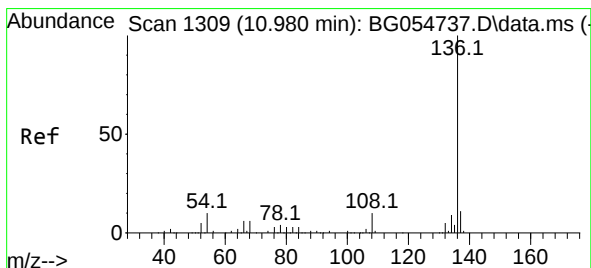
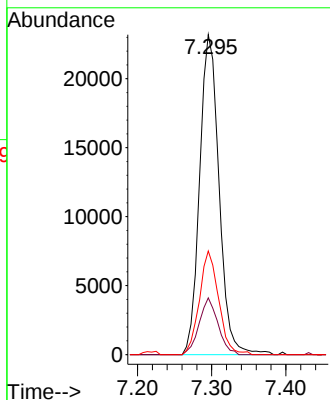
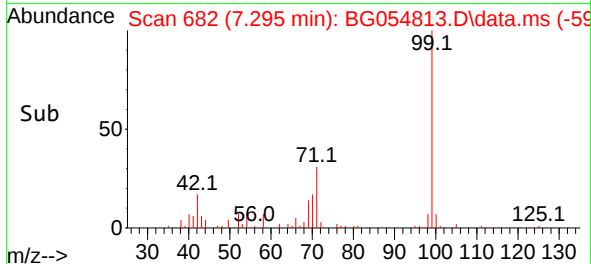
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-03



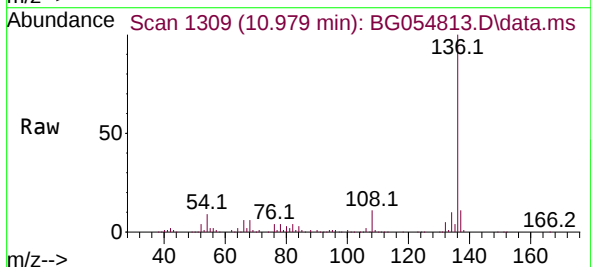
Tgt Ion: 99 Resp: 42226
Ion Ratio Lower Upper
99 100
42 17.7 14.6 22.0
71 32.4 24.6 37.0

Manual Integrations
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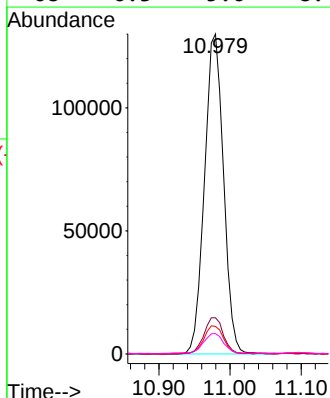
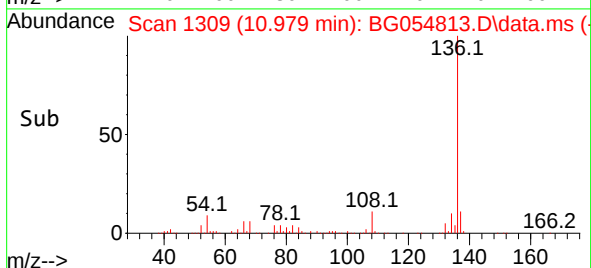
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022

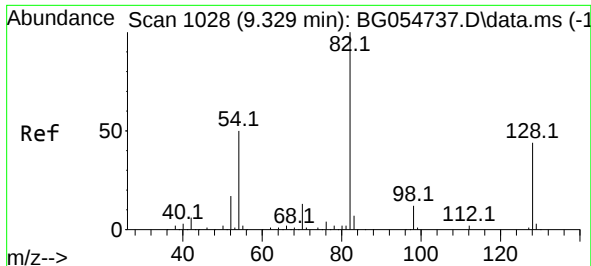


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1309
Delta R.T. -0.001 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31



Tgt Ion:136 Resp: 241685
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 8.6 7.7 11.5
68 6.3 5.6 8.4





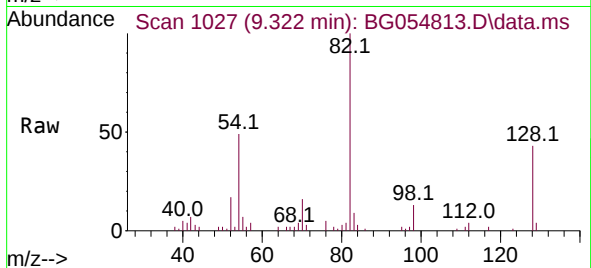
#23
Nitrobenzene-d5
Concen: 5.771 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-03

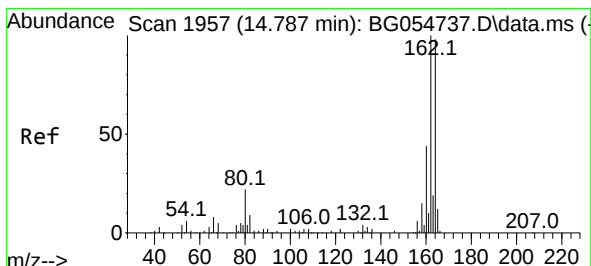
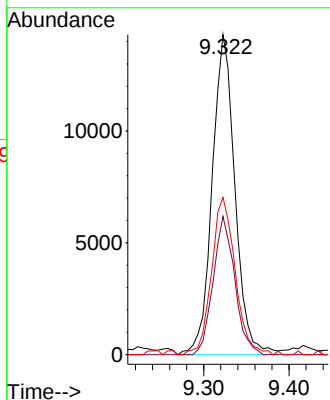
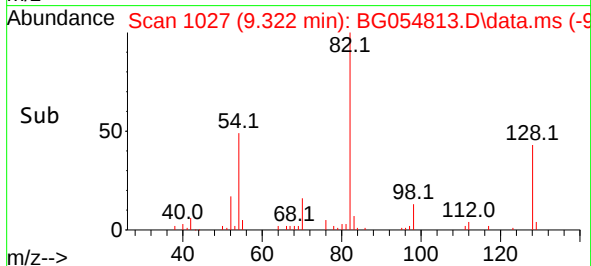


Tgt Ion: 82 Resp: 26568
Ion Ratio Lower Upper
82 100
128 43.2 32.2 48.2
54 49.1 41.4 62.0

Manual Integrations

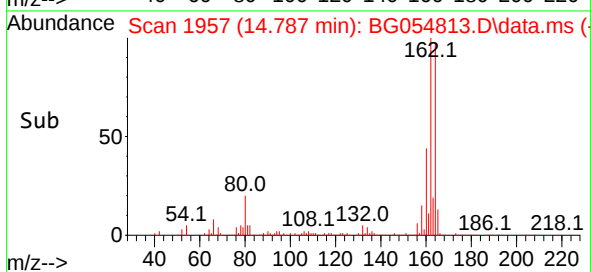
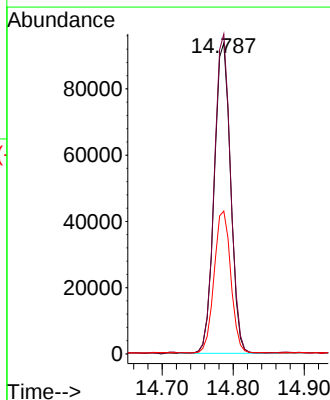
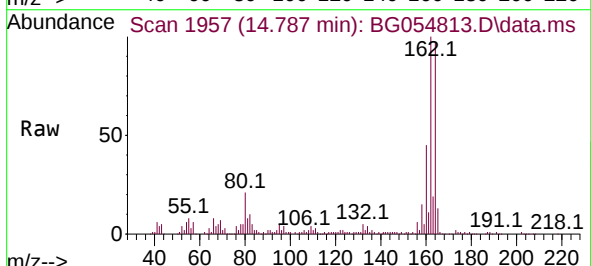
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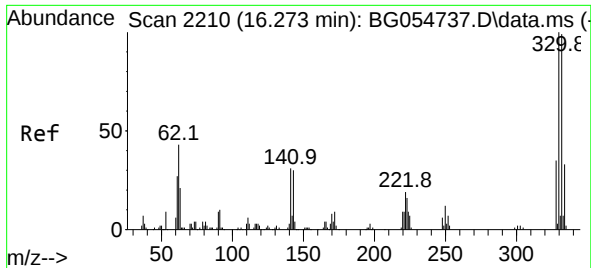
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.787 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

Tgt Ion:164 Resp: 150402
Ion Ratio Lower Upper
164 100
162 102.9 83.0 124.4
160 45.9 38.0 57.0





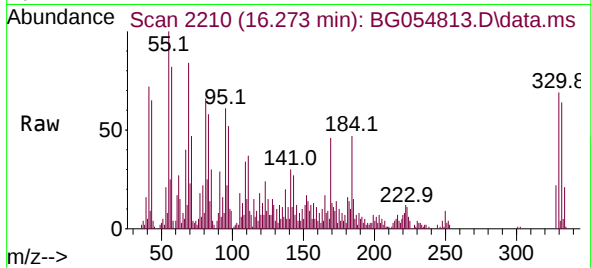
#42
2,4,6-Tribromophenol
Concen: 8.026 ng
RT: 16.273 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-03

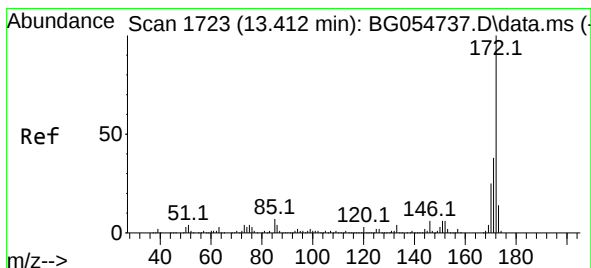
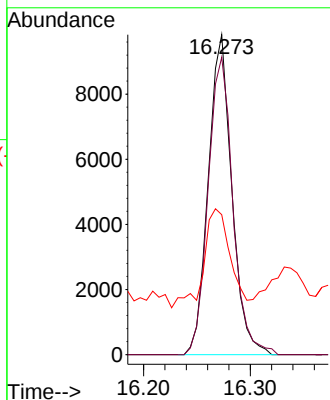
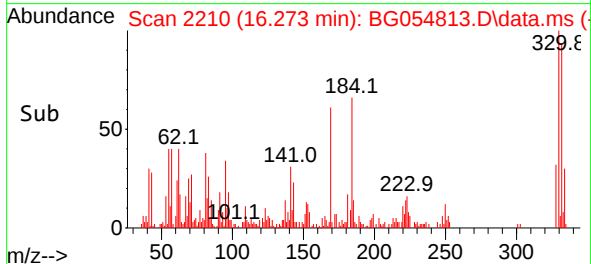


Tgt Ion:330 Resp: 15083
Ion Ratio Lower Upper
330 100
332 97.7 79.8 119.6
141 34.3 26.8 40.2

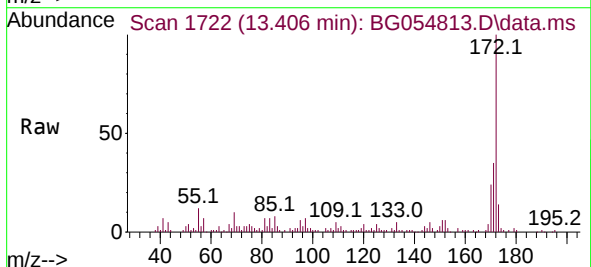
Manual Integrations

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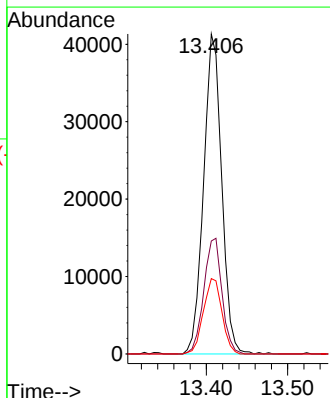
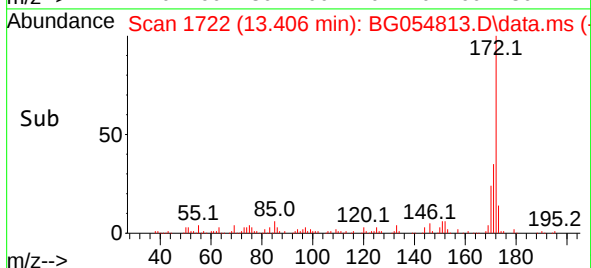
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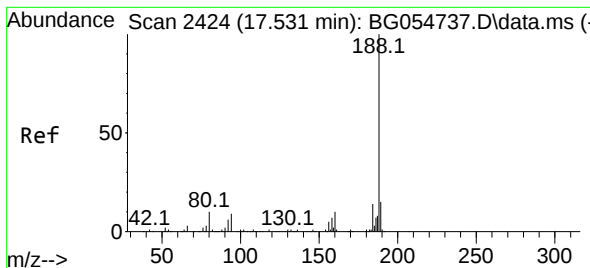


#45
2-Fluorobiphenyl
Concen: 6.394 ng
RT: 13.406 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31



Tgt Ion:172 Resp: 63985
Ion Ratio Lower Upper
172 100
171 35.3 31.2 46.8
170 23.5 20.6 30.8





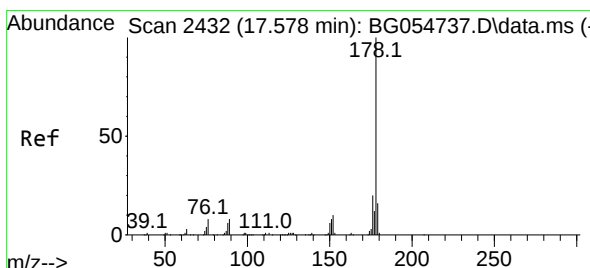
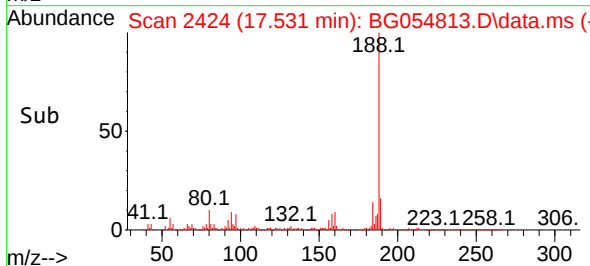
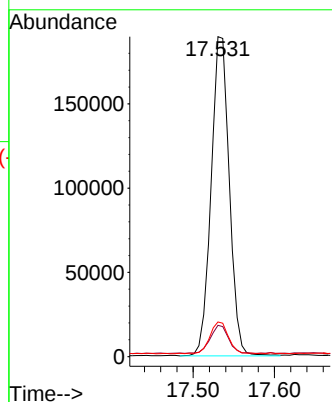
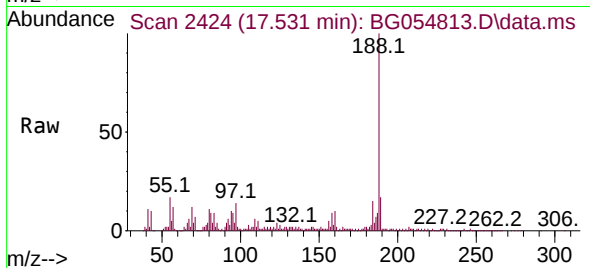
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.531 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-03

Tgt Ion:188 Resp: 294832
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.8 7.9 11.9

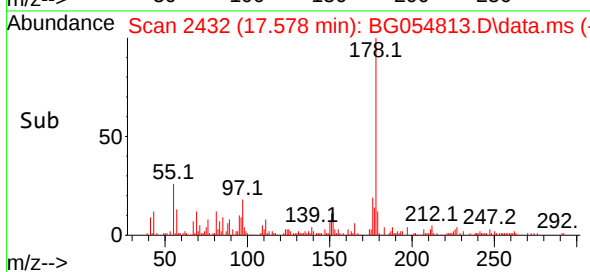
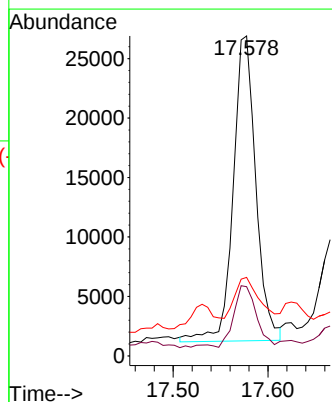
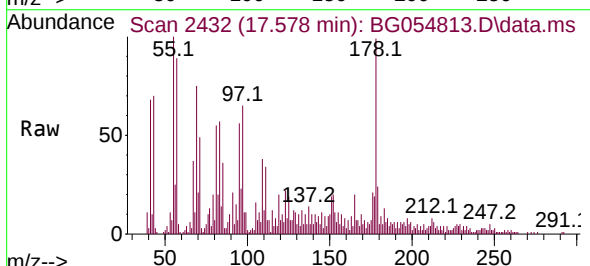
Manual Integrations
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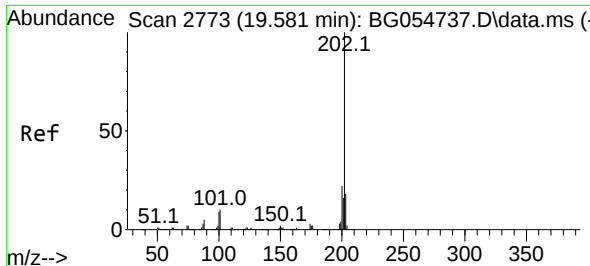
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#71
Phenanthrene
Concen: 2.723 ng
RT: 17.578 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

Tgt Ion:178 Resp: 42769
Ion Ratio Lower Upper
178 100
176 21.6 16.6 25.0
179 24.5 12.8 19.2#





#75
Fluoranthene
Concen: 3.799 ng
RT: 19.581 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

Instrument :

BNA_G

ClientSampleId :

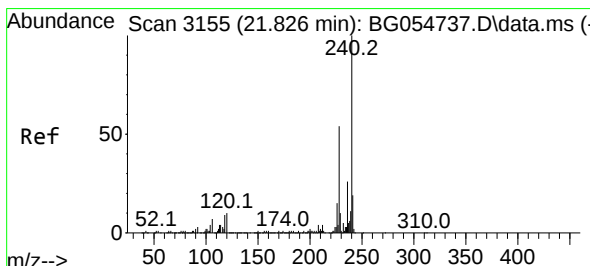
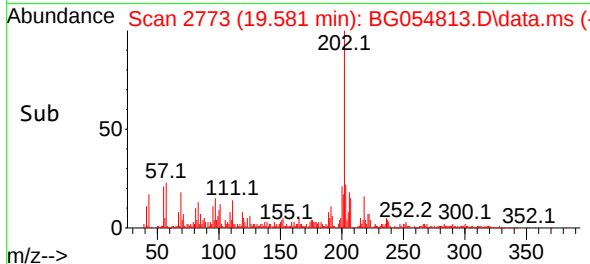
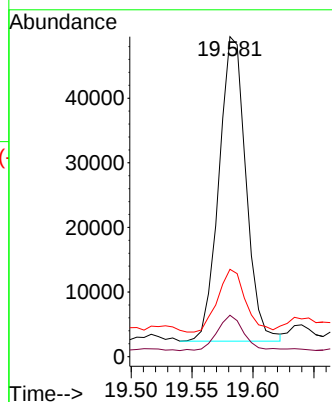
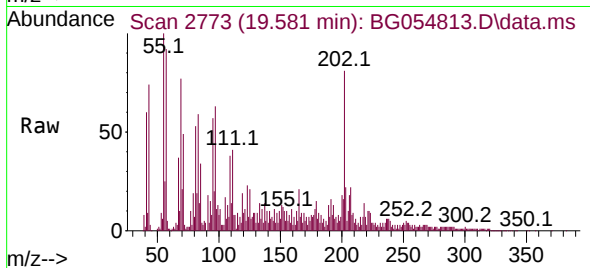
WC-PALM-SP-03

Tgt Ion:202 Resp: 72578
Ion Ratio Lower Upper
202 100
101 12.9 0.0 31.4
203 27.3 0.0 38.6

Manual Integrations

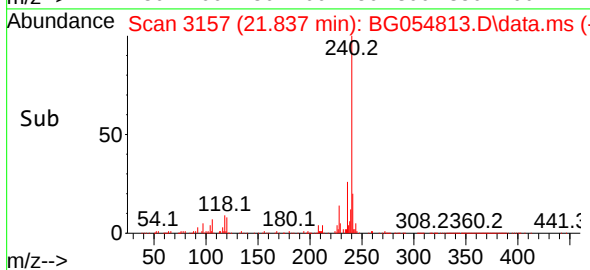
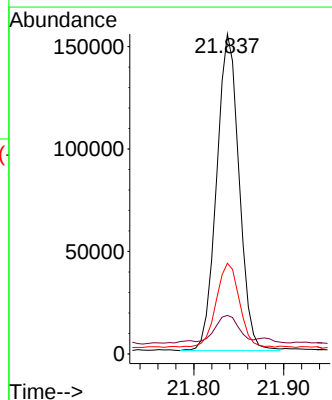
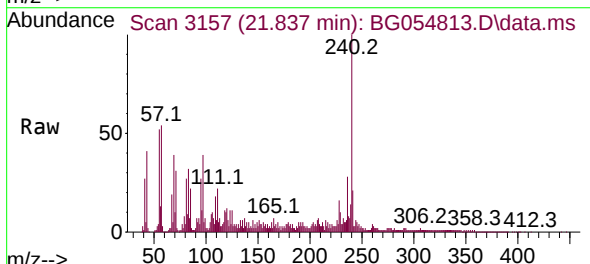
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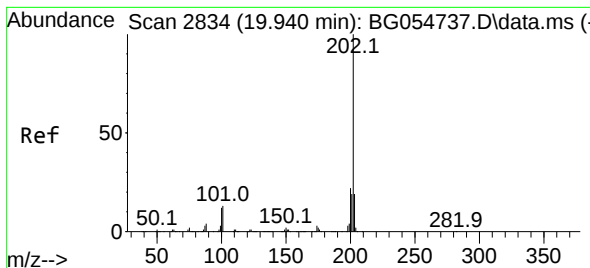
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.837 min Scan# 3157
Delta R.T. 0.012 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

Tgt Ion:240 Resp: 269397
Ion Ratio Lower Upper
240 100
120 12.0 8.2 12.4
236 28.3 21.2 31.8





#78

Pyrene

Concen: 8.254 ng

RT: 19.945 min Scan# 2834

Delta R.T. 0.006 min

Lab File: BG054813.D

Acq: 31 Aug 2022 19:31

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-03

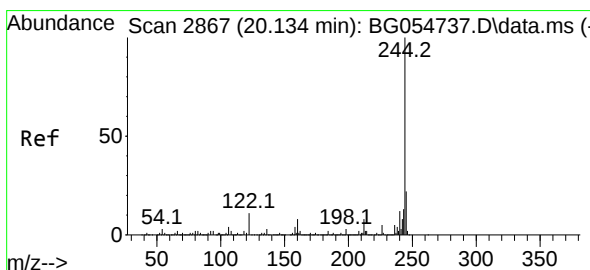
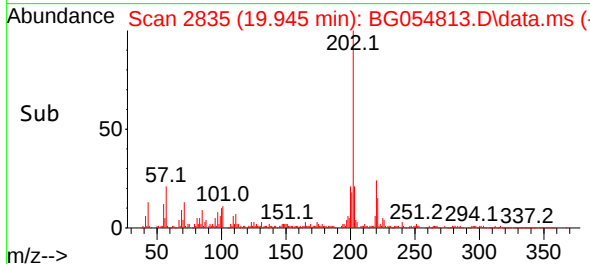
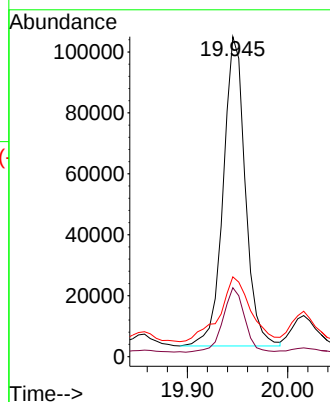
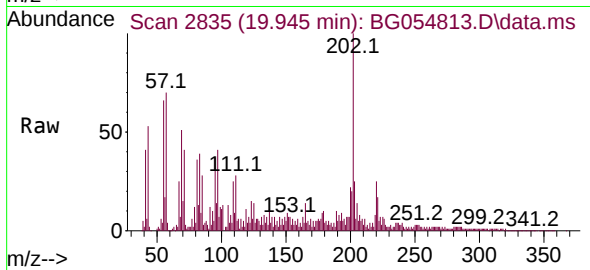
Tgt Ion:202 Resp: 155055
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.8 26.6
 203 24.9 14.6 21.8

Manual Integrations

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Reviewed By :Christian Giraldo 09/01/2022

Supervised By :Jagrut Upadhyay 09/01/2022



#79

Terphenyl-d14

Concen: 6.611 ng

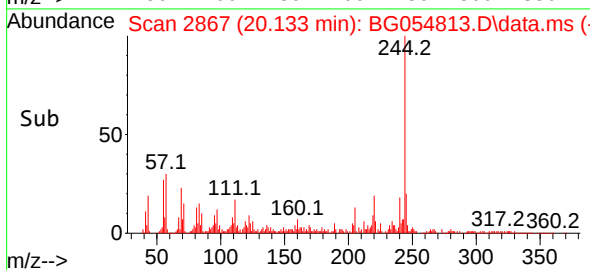
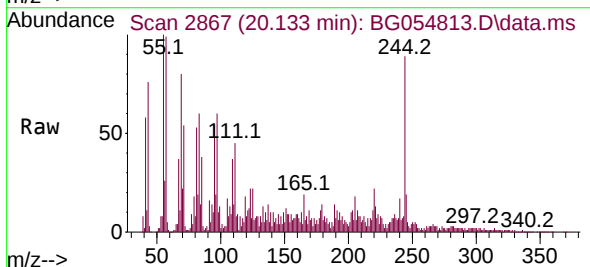
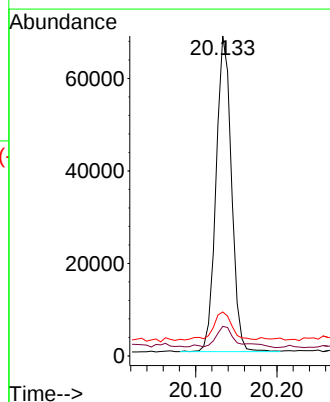
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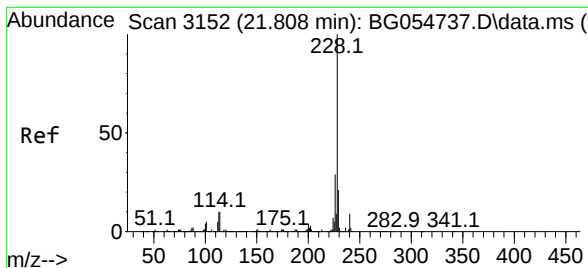
Delta R.T. -0.000 min

Lab File: BG054813.D

Acq: 31 Aug 2022 19:31

Tgt Ion:244 Resp: 89882
 Ion Ratio Lower Upper
 244 100
 212 9.2 6.2 9.2
 122 13.7 9.0 13.6





#81

Benzo(a)anthracene

Concen: 5.837 ng

RT: 21.820 min Scan# 3154

Delta R.T. 0.012 min

Lab File: BG054813.D

Acq: 31 Aug 2022 19:31

Instrument :

BNL_G

ClientSampleId :

WC-PALM-SP-03

Tgt Ion:228 Resp: 106617

Ion Ratio Lower Upper

228 100

226 32.5 23.4 35.2

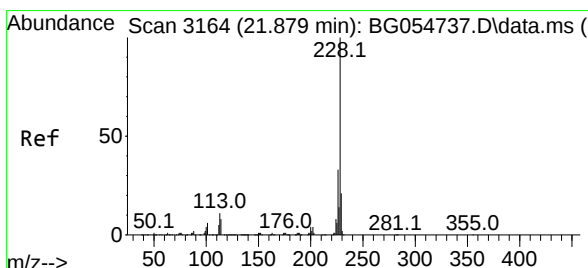
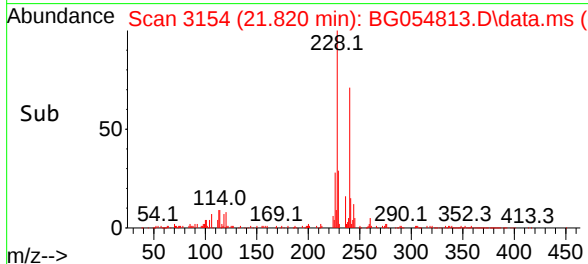
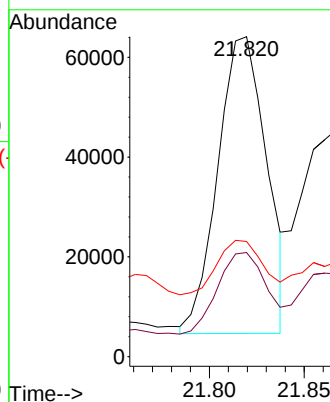
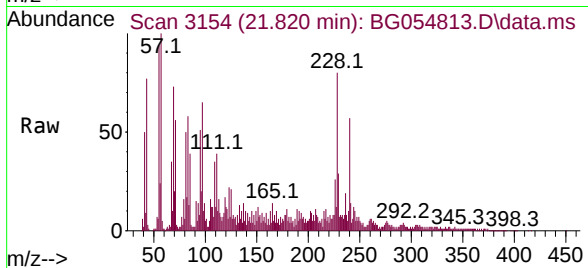
229 36.0 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/01/2022

Supervised By :Jagrut Upadhyay 09/01/2022



#83

Chrysene

Concen: 11.048 ng m

RT: 21.884 min Scan# 3165

Delta R.T. 0.006 min

Lab File: BG054813.D

Acq: 31 Aug 2022 19:31

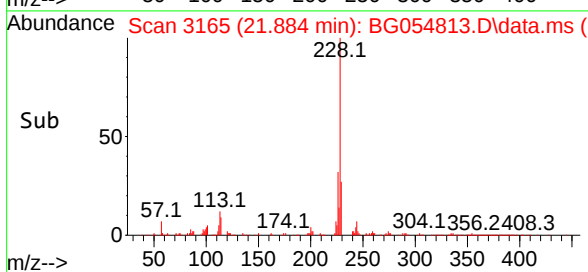
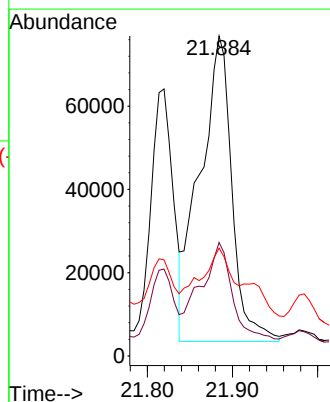
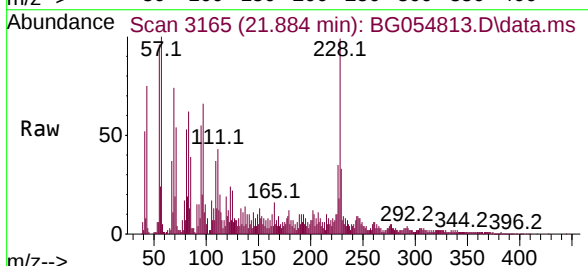
Tgt Ion:228 Resp: 192954

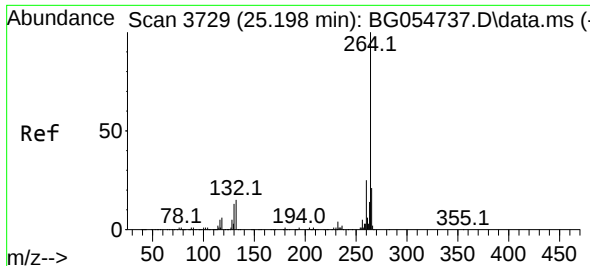
Ion Ratio Lower Upper

228 100

226 35.4 25.5 38.3

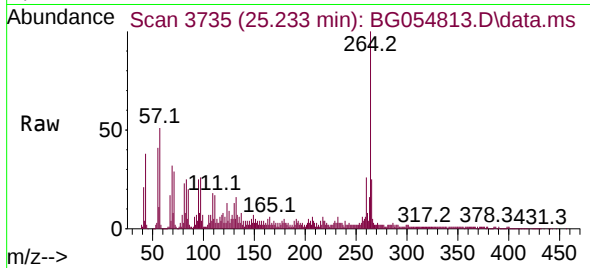
229 33.7 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.233 min Scan# 31
Delta R.T. 0.035 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

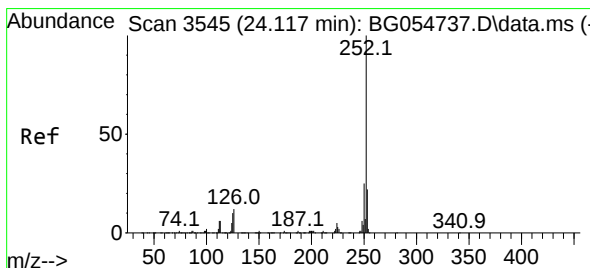
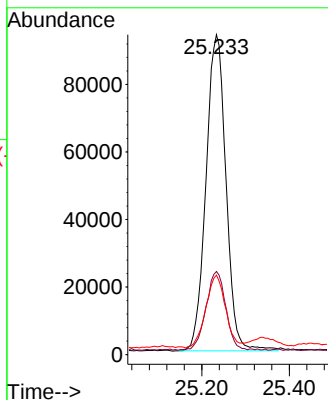
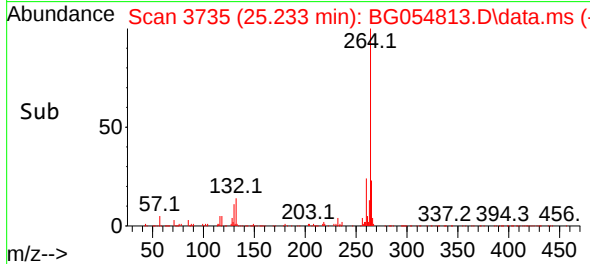
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-03



Tgt Ion:264 Resp: 29807
Ion Ratio Lower Upper
264 100
260 26.0 19.9 29.9
265 24.8 16.9 25.3

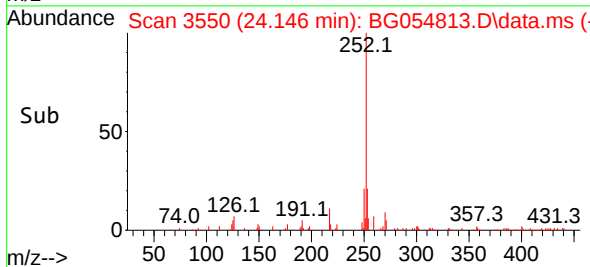
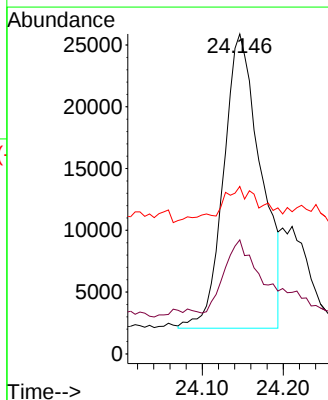
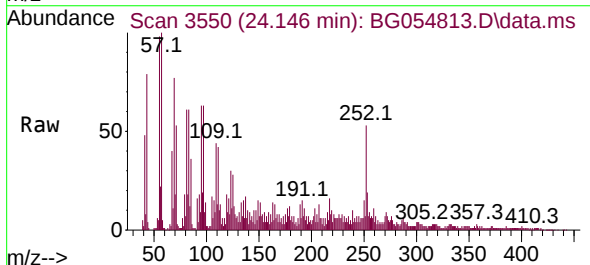
Manual Integrations
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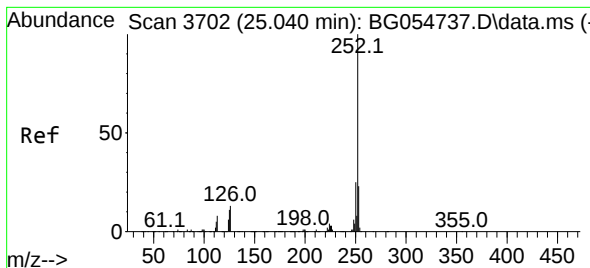
Reviewed By :Christian Giraldo 09/01/2022
Supervised By :Jagrut Upadhyay 09/01/2022



#88
Benzo(b)fluoranthene
Concen: 4.064 ng m
RT: 24.146 min Scan# 3550
Delta R.T. 0.029 min
Lab File: BG054813.D
Acq: 31 Aug 2022 19:31

Tgt Ion:252 Resp: 75982
Ion Ratio Lower Upper
252 100
253 35.6 18.0 27.0#
125 52.4 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 4.773 ng

RT: 25.069 min Scan# 31

Delta R.T. 0.029 min

Lab File: BG054813.D

Acq: 31 Aug 2022 19:31

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-03

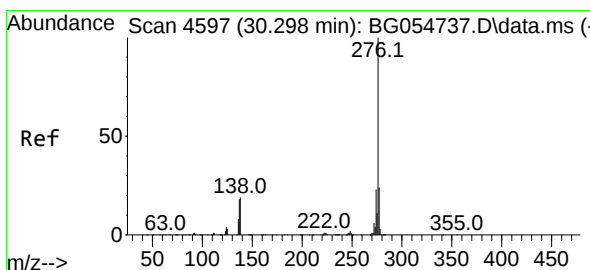
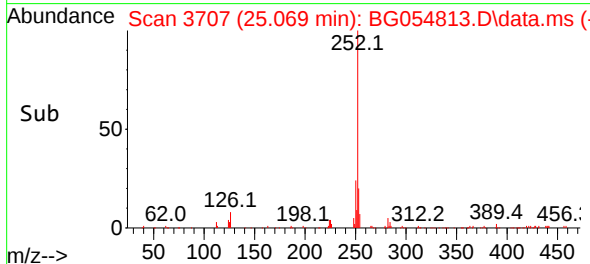
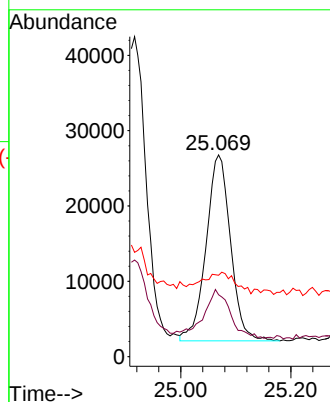
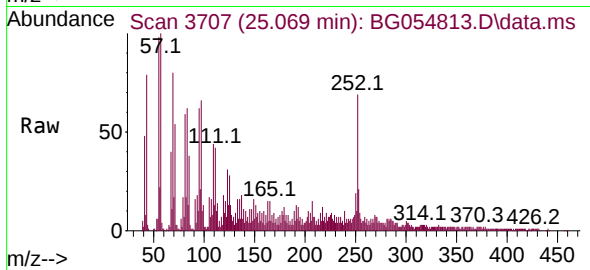
Tgt Ion:252	Resp:	76252
Ion Ratio	Lower	Upper
252	100	
253	30.7	18.3 27.5
125	40.4	8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/01/2022

Supervised By :Jagrut Upadhyay 09/01/2022



#92

Benzo(g,h,i)perylene

Concen: 2.939 ng

RT: 30.345 min Scan# 4605

Delta R.T. 0.047 min

Lab File: BG054813.D

Acq: 31 Aug 2022 19:31

Tgt Ion:276	Resp:	54728
Ion Ratio	Lower	Upper
276	100	
277	31.8	19.4 29.0
138	28.2	16.6 25.0

