

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
 Data File : BG055850.D
 Acq On : 30 Nov 2022 20:35
 Operator : CG/JU
 Sample : N5806-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022

Quant Time: Dec 01 02:14:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 01 02:10:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	43057	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	172765	20.000	ng	0.00
39) Acenaphthene-d10	14.852	164	111012	20.000	ng	0.00
64) Phenanthrene-d10	17.589	188	228700	20.000	ng	0.00
76) Chrysene-d12	21.884	240	223379	20.000	ng	0.00
86) Perylene-d12	25.280	264	229225	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.768	112	255732	107.355	ng	0.02
7) Phenol-d6	7.384	99	324884	102.456	ng	0.01
23) Nitrobenzene-d5	9.399	82	104278	31.902	ng	0.00
42) 2,4,6-Tribromophenol	16.338	330	111527	71.346	ng	0.01
45) 2-Fluorobiphenyl	13.477	172	468142	63.177	ng	0.00
79) Terphenyl-d14	20.175	244	652772	58.449	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.636	178	34711	2.813	ng	95
75) Fluoranthene	19.634	202	85773	5.713	ng	96
78) Pyrene	19.993	202	88877m	5.878	ng	
81) Benzo(a)anthracene	21.861	228	51888	3.373	ng	# 88
83) Chrysene	21.931	228	49591	3.386	ng	# 87
88) Benzo(b)fluoranthene	24.194	252	64163	4.298	ng	# 74
90) Benzo(a)pyrene	25.122	252	48147	3.758	ng	# 71

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

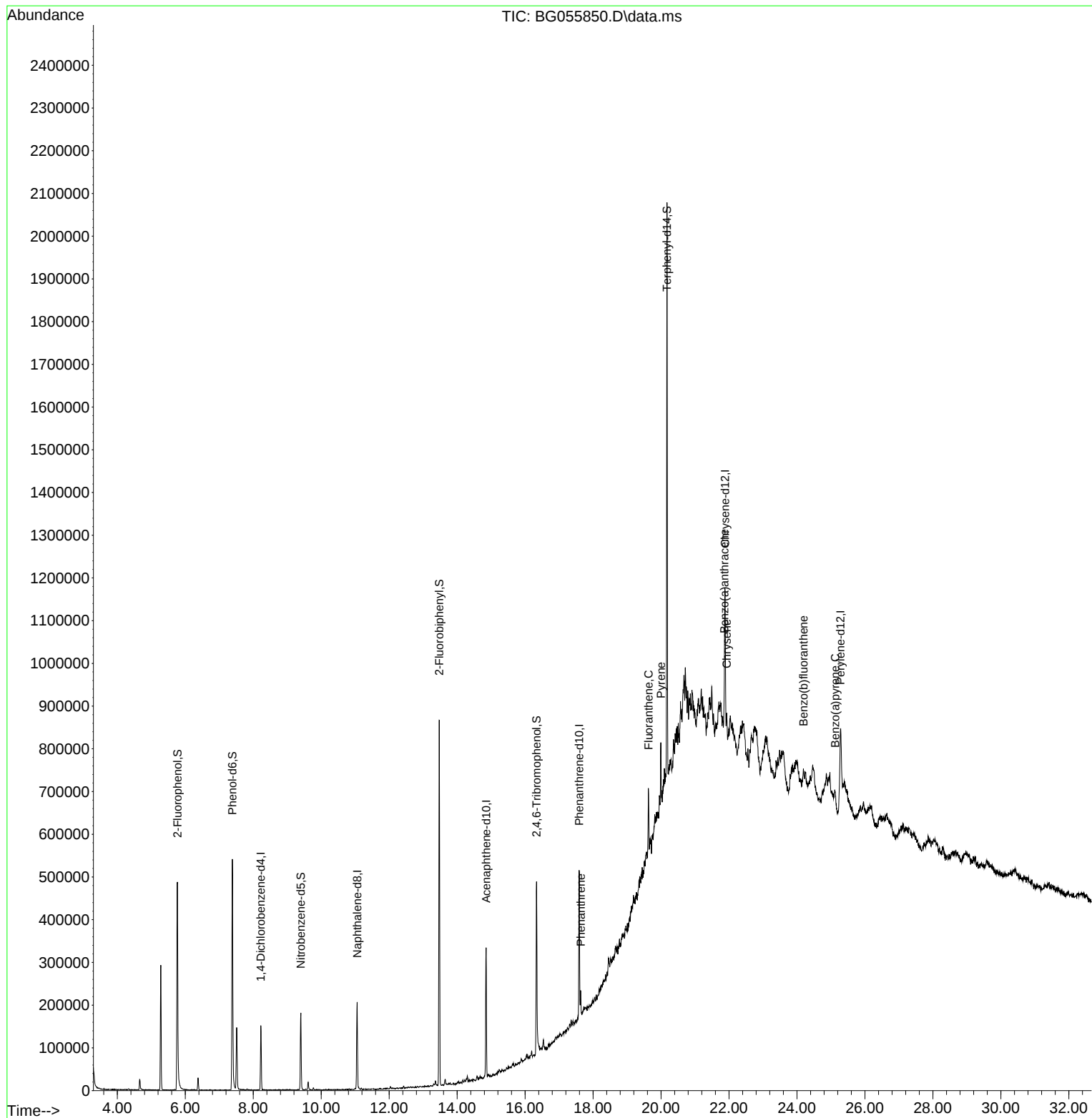
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055850.D
Acq On : 30 Nov 2022 20:35
Operator : CG/JU
Sample : N5806-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMP-1

Quant Time: Dec 01 02:14:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 01 02:10:33 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

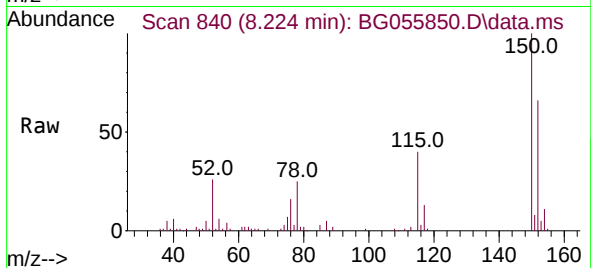
Reviewed By : Christian Giraldo 12/01/2022
Supervised By : Jagrut Upadhyay 12/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 84
Delta R.T. 0.005 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

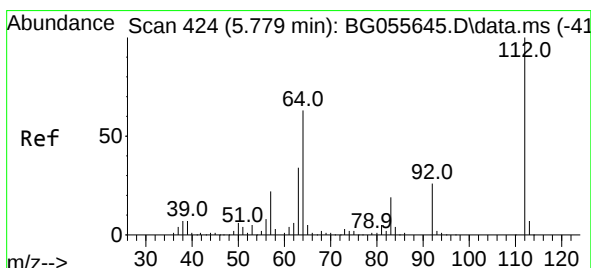
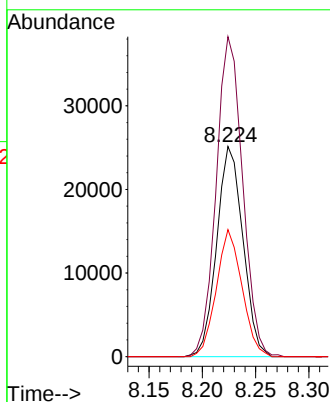
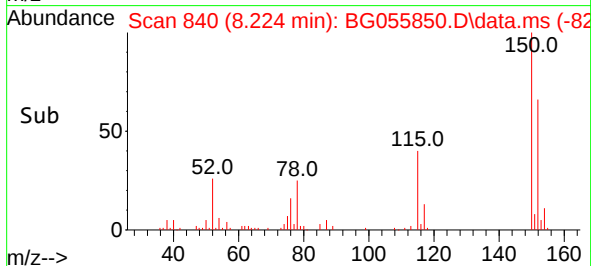
Instrument :
BNA_G
ClientSampleId :
COMP-1



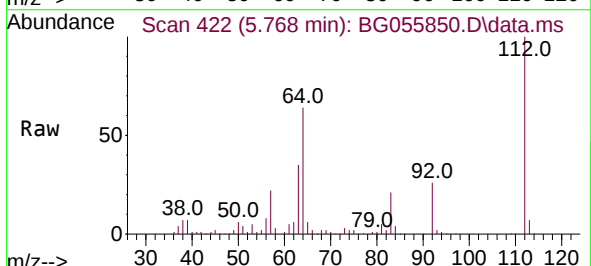
Tgt Ion:152 Resp: 43052
Ion Ratio Lower Upper
152 100
150 152.2 123.0 184.6
115 60.4 47.0 70.4

Manual Integrations
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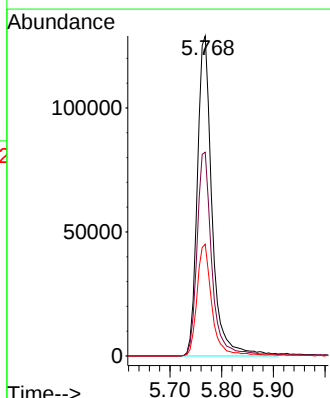
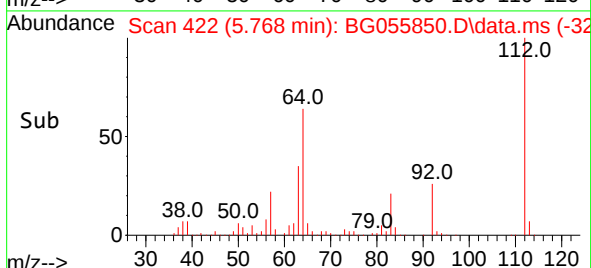
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

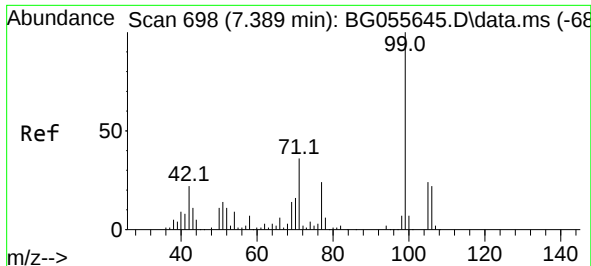


#5
2-Fluorophenol
Concen: 107.355 ng
RT: 5.768 min Scan# 422
Delta R.T. 0.016 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35



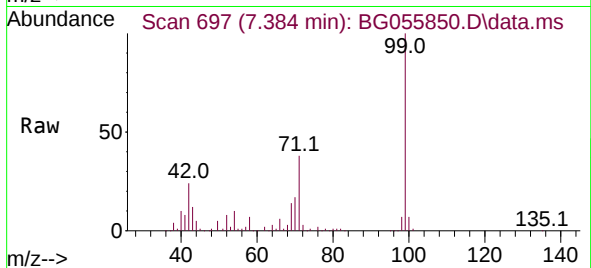
Tgt Ion:112 Resp: 255732
Ion Ratio Lower Upper
112 100
64 63.6 50.6 76.0
63 34.9 27.5 41.3





#7
Phenol-d6
Concen: 102.456 ng
RT: 7.384 min Scan# 69
Delta R.T. 0.011 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

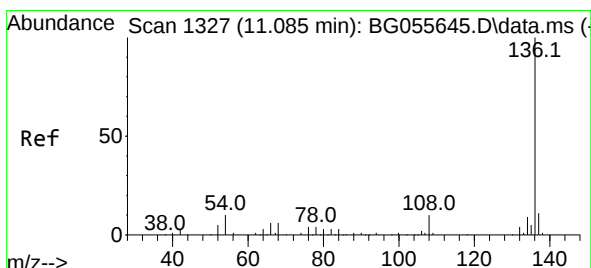
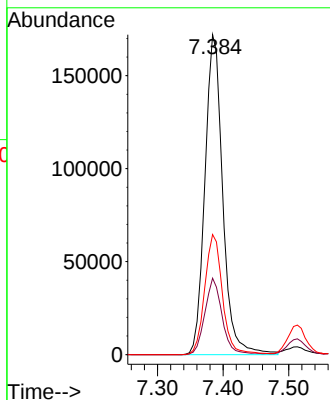
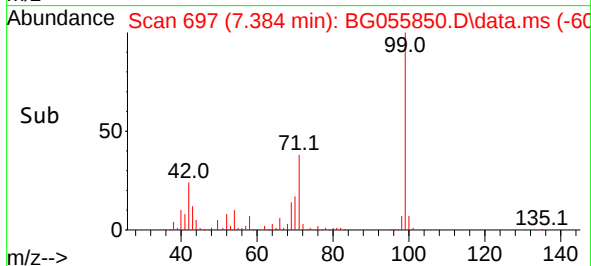
Instrument :
BNA_G
ClientSampleId :
COMP-1



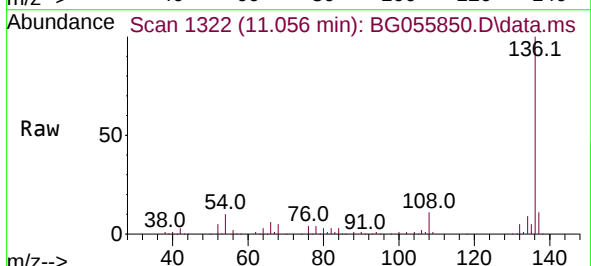
Tgt Ion: 99 Resp: 324884
Ion Ratio Lower Upper
99 100
42 23.9 18.0 27.0
71 37.5 29.0 43.6

Manual Integrations
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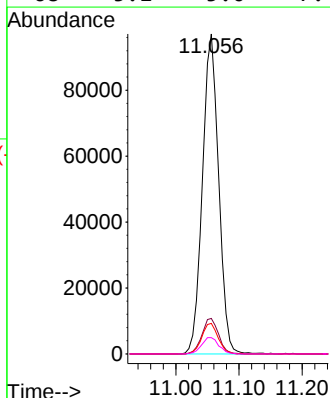
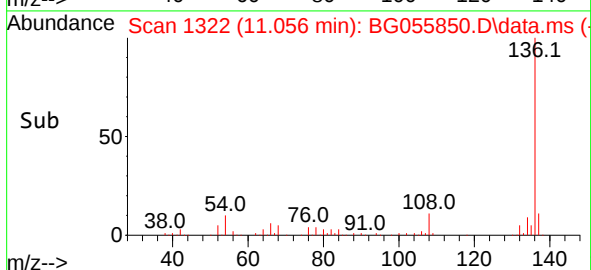
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.056 min Scan# 1322
Delta R.T. 0.005 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35



Tgt Ion:136 Resp: 172765
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.5 7.8 11.6
68 5.1 5.0 7.4





#23
Nitrobenzene-d5
Concen: 31.902 ng
RT: 9.399 min Scan# 1045
Delta R.T. 0.005 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

Instrument :

BNA_G

ClientSampleId :

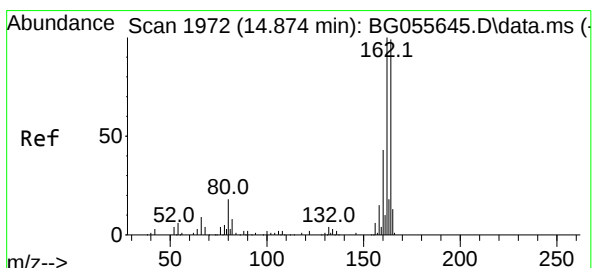
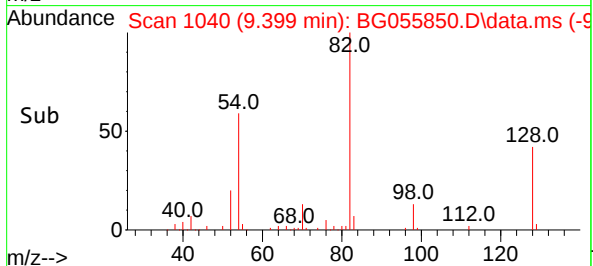
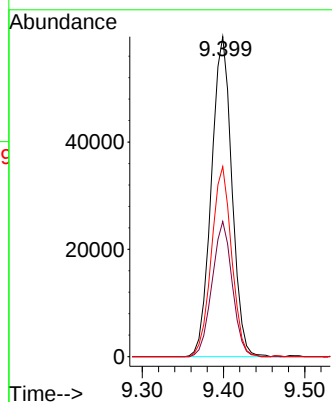
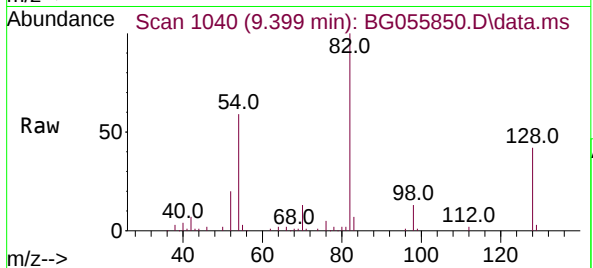
COMP-1

Tgt Ion: 82 Resp: 104278
Ion Ratio Lower Upper
82 100
128 42.2 34.1 51.1
54 59.4 47.3 70.9

Manual Integrations

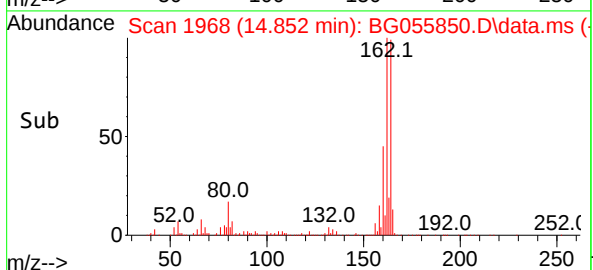
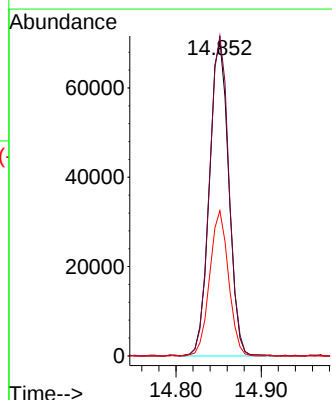
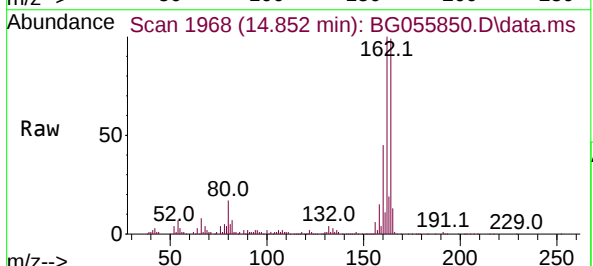
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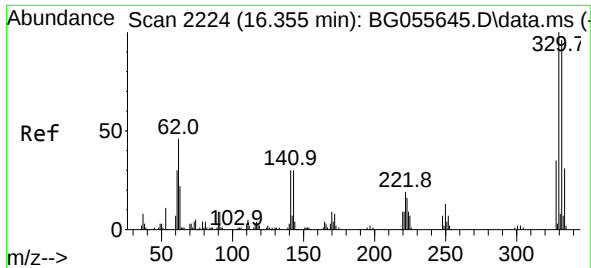
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.852 min Scan# 1968
Delta R.T. 0.005 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

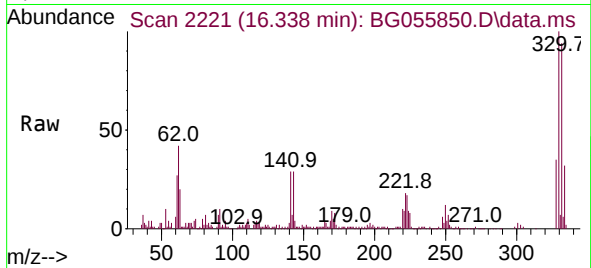
Tgt Ion:164 Resp: 111012
Ion Ratio Lower Upper
164 100
162 101.5 81.1 121.7
160 46.0 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 71.346 ng
RT: 16.338 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

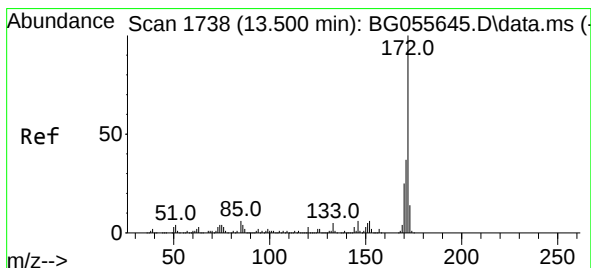
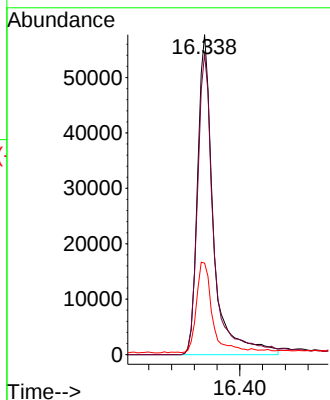
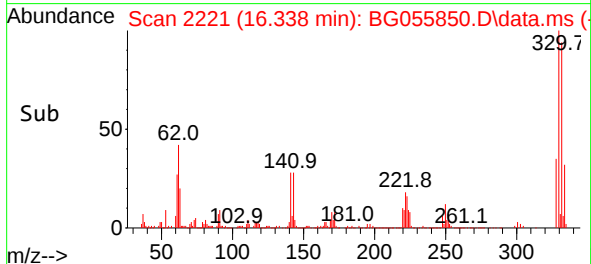
Instrument :
BNA_G
ClientSampleId :
COMP-1



Tgt Ion:330 Resp: 11152
Ion Ratio Lower Upper
330 100
332 98.8 77.8 116.8
141 28.1 23.9 35.9

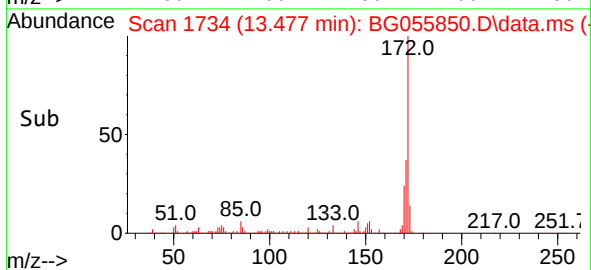
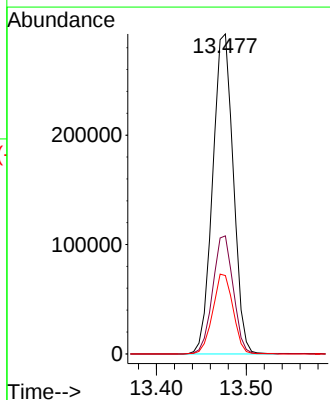
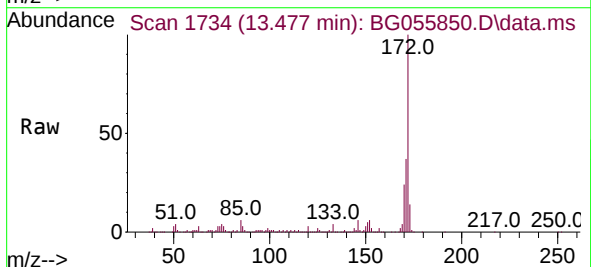
Manual Integrations
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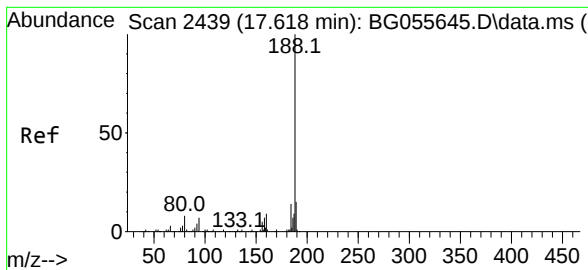
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#45
2-Fluorobiphenyl
Concen: 63.177 ng
RT: 13.477 min Scan# 1734
Delta R.T. 0.005 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

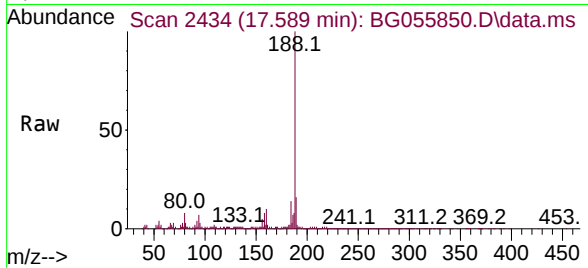
Tgt Ion:172 Resp: 468142
Ion Ratio Lower Upper
172 100
171 36.9 29.8 44.6
170 24.5 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.589 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

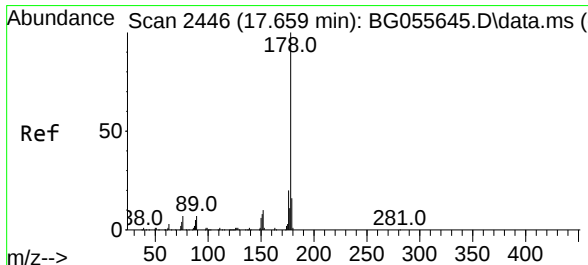
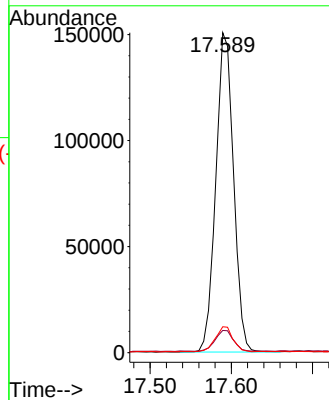
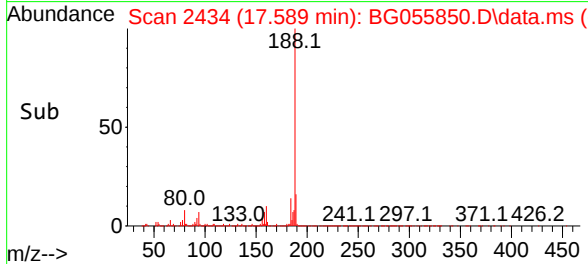
Instrument :
BNA_G
ClientSampleId :
COMP-1



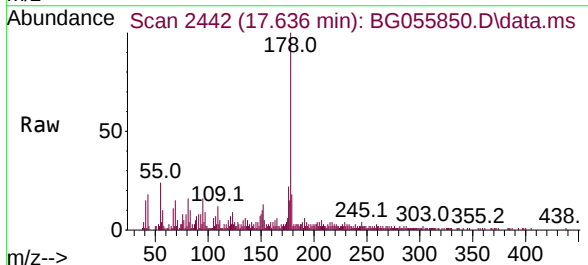
Tgt Ion:188 Resp: 228700
Ion Ratio Lower Upper
188 100
94 6.9 5.4 8.2
80 8.1 6.6 10.0

Manual Integrations
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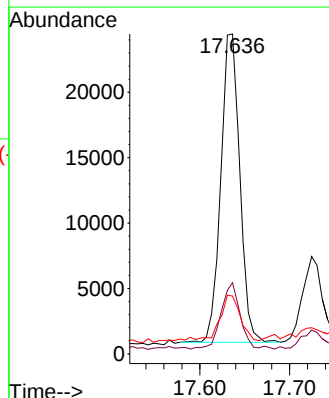
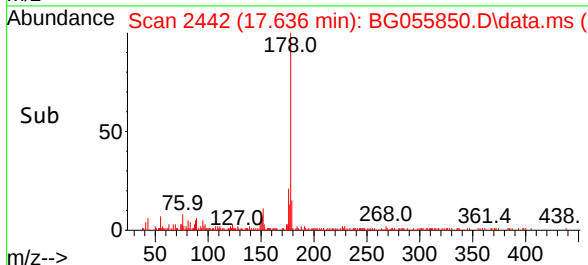
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

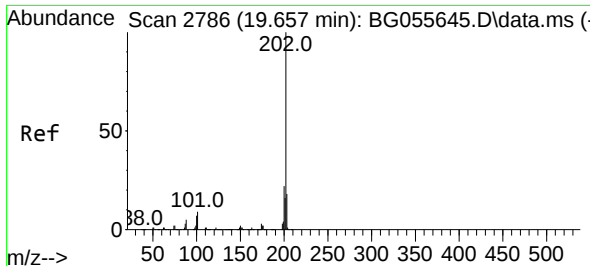


#71
Phenanthrene
Concen: 2.813 ng
RT: 17.636 min Scan# 2442
Delta R.T. 0.011 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35



Tgt Ion:178 Resp: 34711
Ion Ratio Lower Upper
178 100
176 22.2 16.0 24.0
179 18.1 12.7 19.1





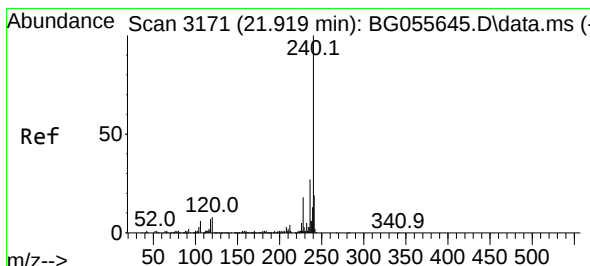
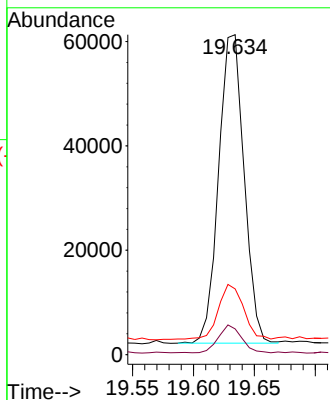
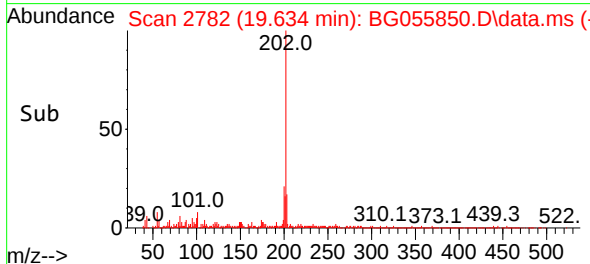
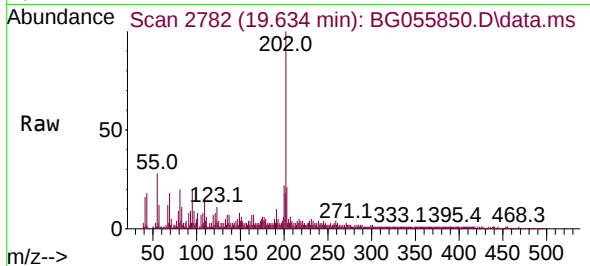
#75
Fluoranthene
Concen: 5.713 ng
RT: 19.634 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:202 Resp: 85773
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.8
203 20.5 0.0 38.1

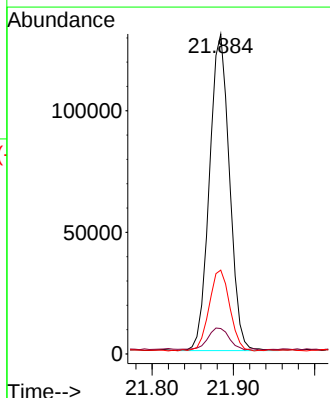
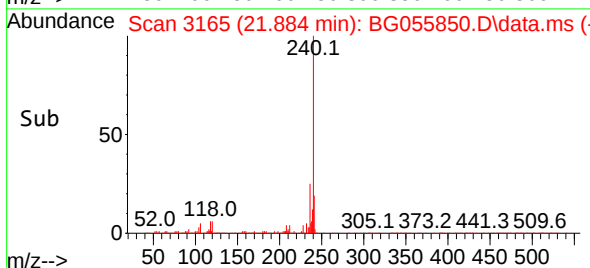
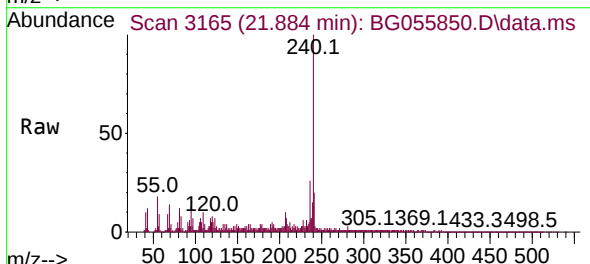
Manual Integrations
APPROVED

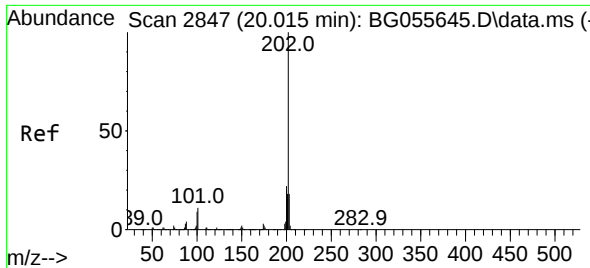
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.884 min Scan# 3165
Delta R.T. 0.005 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

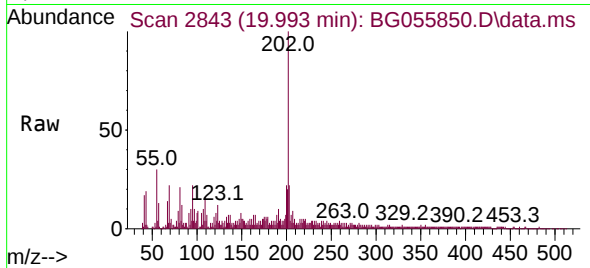
Tgt Ion:240 Resp: 223379
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 26.2 21.9 32.9





#78
 Pyrene
 Concen: 5.878 ng m
 RT: 19.993 min Scan# 2847
 Delta R.T. 0.005 min
 Lab File: BG055850.D
 Acq: 30 Nov 2022 20:35

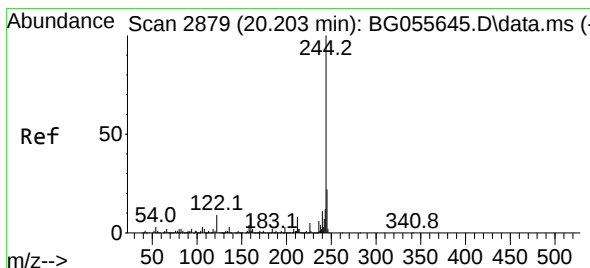
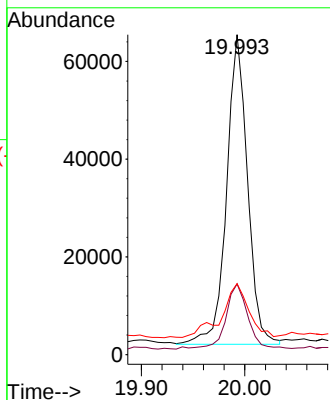
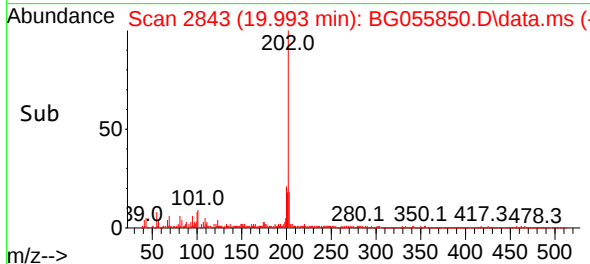
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1



Tgt Ion:202 Resp: 88872
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.8 26.6
 203 22.2 14.4 21.6

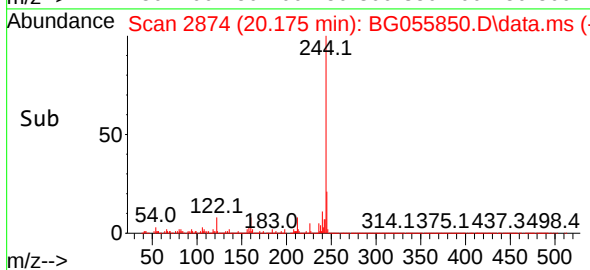
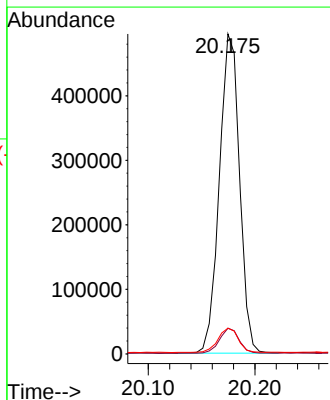
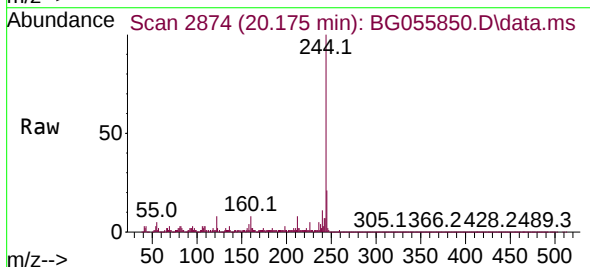
Manual Integrations
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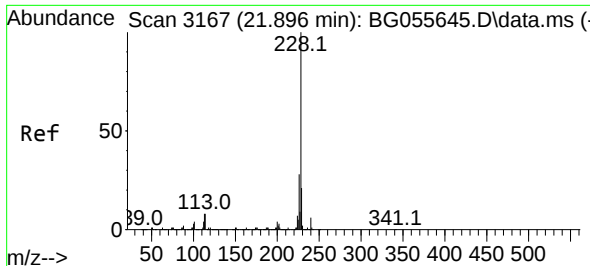
Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022



#79
 Terphenyl-d14
 Concen: 58.449 ng
 RT: 20.175 min Scan# 2874
 Delta R.T. 0.005 min
 Lab File: BG055850.D
 Acq: 30 Nov 2022 20:35

Tgt Ion:244 Resp: 652772
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.3 9.5
 122 8.0 6.9 10.3





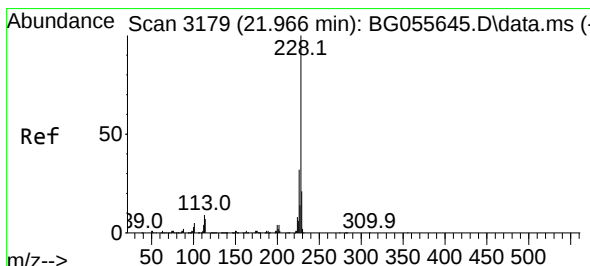
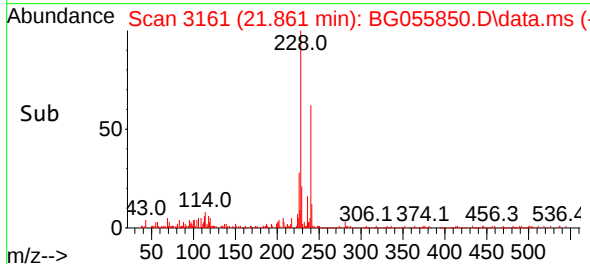
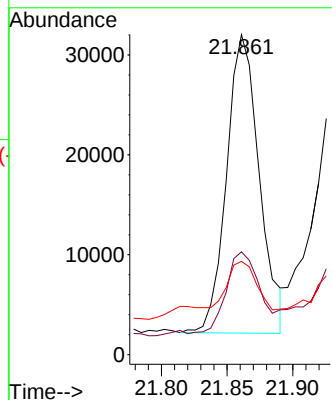
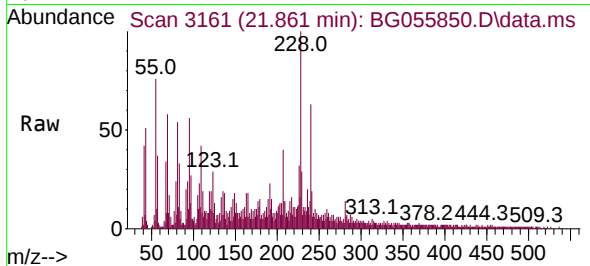
#81
Benzo(a)anthracene
Concen: 3.373 ng
RT: 21.861 min Scan# 3167
Delta R.T. 0.005 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:228 Resp: 5188
Ion Ratio Lower Upper
228 100
226 32.1 22.7 34.1
229 29.1 16.5 24.7

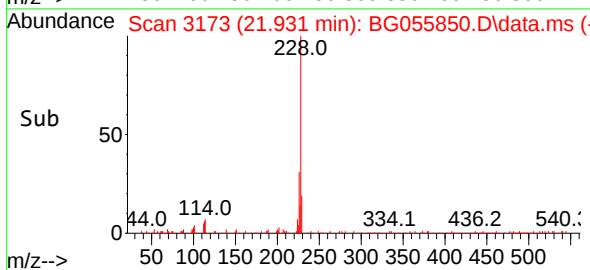
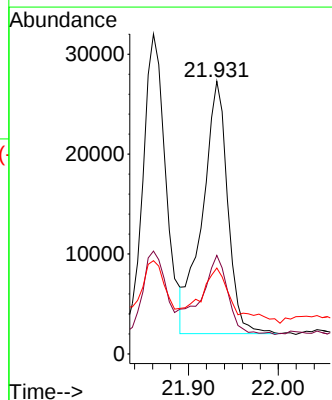
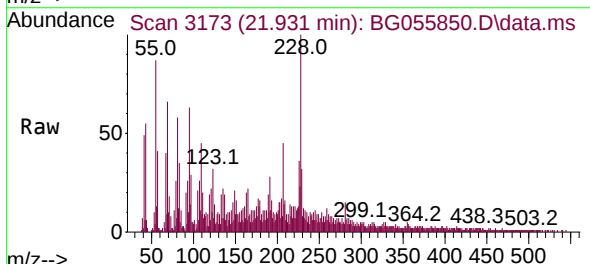
Manual Integrations
APPROVED

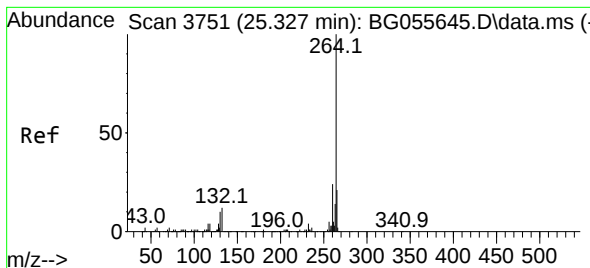
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#83
Chrysene
Concen: 3.386 ng
RT: 21.931 min Scan# 3173
Delta R.T. 0.005 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

Tgt Ion:228 Resp: 49591
Ion Ratio Lower Upper
228 100
226 36.1 25.4 38.2
229 31.5 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.280 min Scan# 31

Delta R.T. 0.022 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

Instrument :

BNA_G

ClientSampleId :

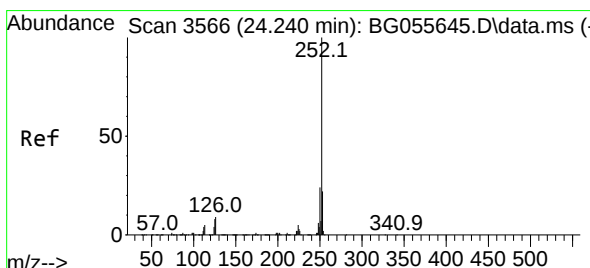
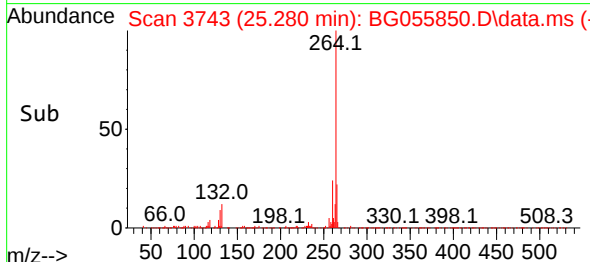
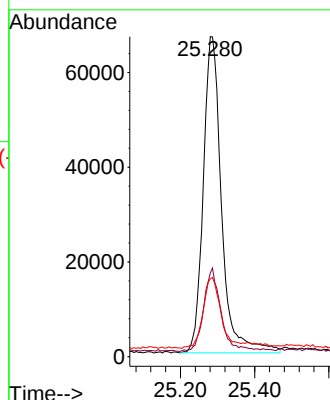
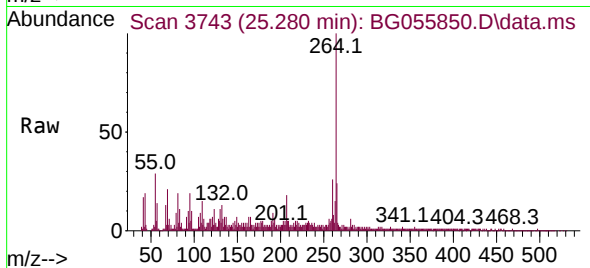
COMP-1

Tgt Ion:	264	Resp:	229225
Ion Ratio	Lower	Upper	
264	100		
260	26.1	19.5	29.3
265	24.3	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#88

Benzo(b)fluoranthene

Concen: 4.298 ng

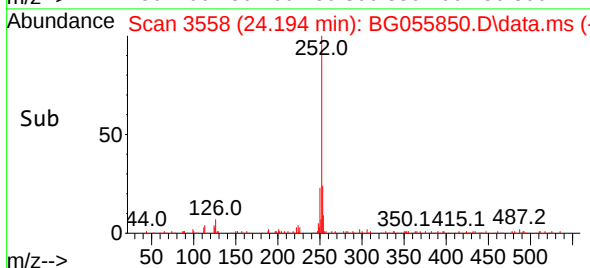
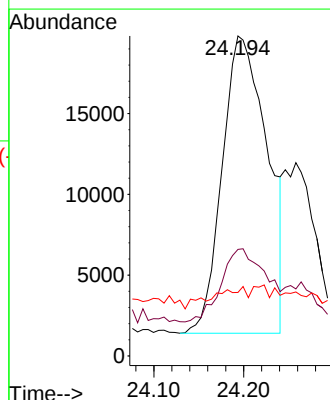
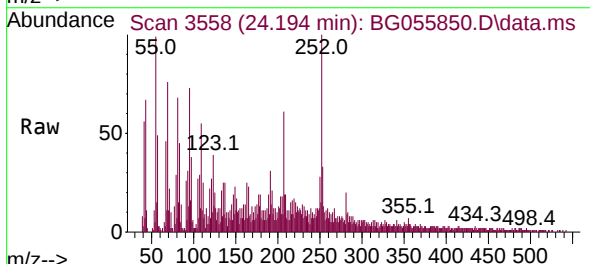
RT: 24.194 min Scan# 3558

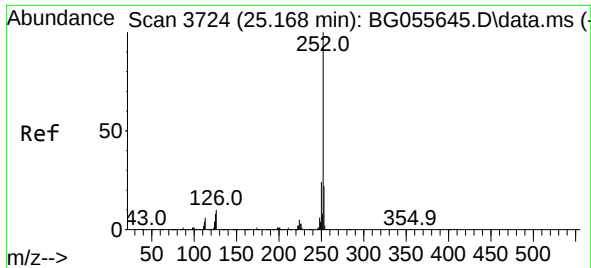
Delta R.T. 0.016 min

Lab File: BG055850.D

Acq: 30 Nov 2022 20:35

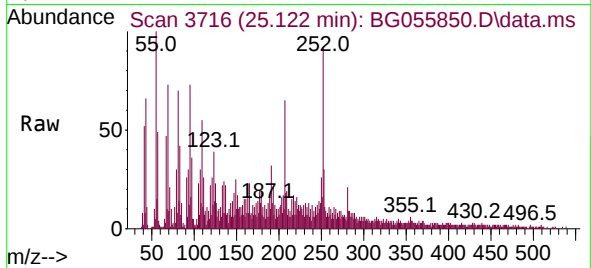
Tgt Ion:	252	Resp:	64163
Ion Ratio	Lower	Upper	
252	100		
253	33.3	18.0	27.0#
125	19.9	6.2	9.2#





#90
Benzo(a)pyrene
Concen: 3.758 ng
RT: 25.122 min Scan# 31
Delta R.T. 0.022 min
Lab File: BG055850.D
Acq: 30 Nov 2022 20:35

Instrument :
BNA_G
ClientSampleId :
COMP-1



Tgt Ion:252 Resp: 4814
Ion Ratio Lower Upper
252 100
253 32.6 17.8 26.6
125 25.0 6.4 9.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

