

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
 Data File : BG056037.D
 Acq On : 20 Dec 2022 19:51
 Operator : CG/JU
 Sample : N6129-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C3

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/21/2022
 Supervised By :Jagrut Upadhyay 12/21/2022

Quant Time: Dec 21 02:40:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 01:11:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.367	152	10807	20.000	ng	0.00
21) Naphthalene-d8	11.199	136	40985	20.000	ng	# 0.00
39) Acenaphthene-d10	14.977	164	31625	20.000	ng	0.00
64) Phenanthrene-d10	17.709	188	78144	20.000	ng	0.00
76) Chrysene-d12	22.015	240	78671	20.000	ng	0.00
86) Perylene-d12	25.511	264	84324	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.887	112	52968	114.943	ng	0.00
7) Phenol-d6	7.497	99	65804	111.029	ng	0.00
23) Nitrobenzene-d5	9.542	82	45976	78.392	ng	0.00
42) 2,4,6-Tribromophenol	16.451	330	80414	105.451	ng	0.00
45) 2-Fluorobiphenyl	13.602	172	156980	69.616	ng	0.00
79) Terphenyl-d14	20.282	244	288419	64.795	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.750	178	9488	2.317	ng	95
75) Fluoranthene	19.742	202	34805	6.069	ng	98
78) Pyrene	20.100	202	35664	7.492	ng	99
81) Benzo(a)anthracene	21.992	228	27406	4.951	ng	99
83) Chrysene	22.068	228	26638	5.134	ng	97
88) Benzo(b)fluoranthene	24.395	252	23353m	4.279	ng	
89) Benzo(k)fluoranthene	24.466	252	12513m	2.298	ng	
90) Benzo(a)pyrene	25.347	252	17412	3.775	ng	# 91

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

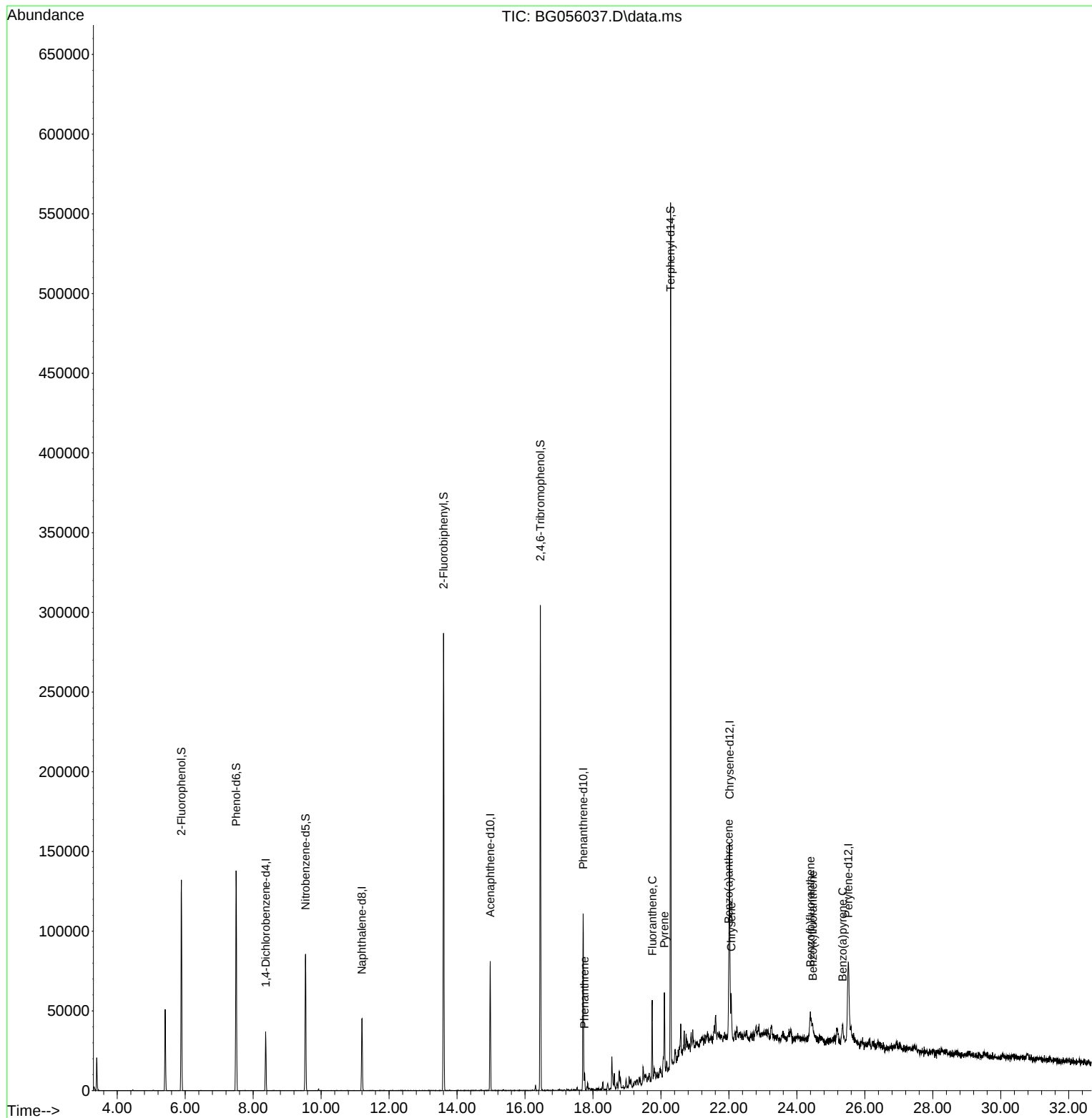
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
Data File : BG056037.D
Acq On : 20 Dec 2022 19:51
Operator : CG/JU
Sample : N6129-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

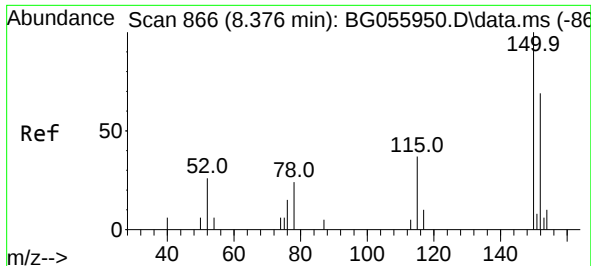
Instrument :
BNA_G
ClientSampleId :
C3

Quant Time: Dec 21 02:40:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 01:11:10 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

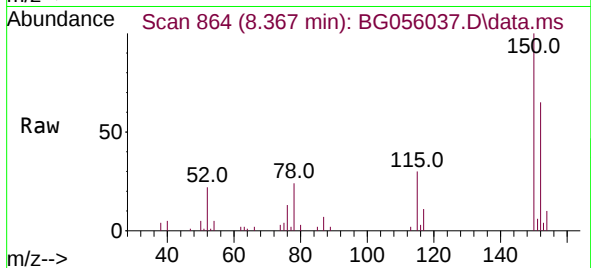
Reviewed By : Christian Giraldo 12/21/2022
Supervised By : Jagrut Upadhyay 12/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.367 min Scan# 866
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

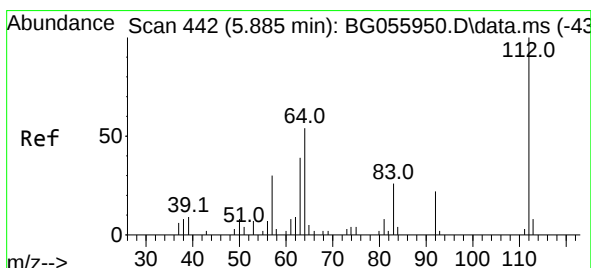
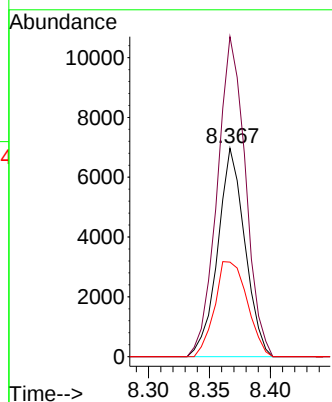
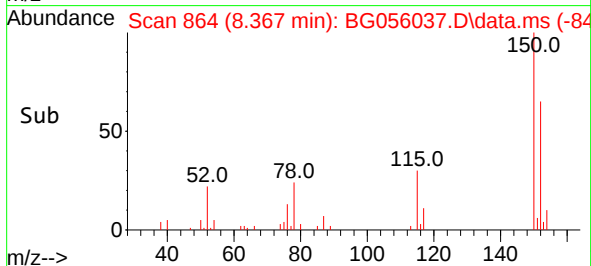
Instrument :
BNA_G
ClientSampleId :
C3



Tgt Ion:152 Resp: 1080
Ion Ratio Lower Upper
152 100
150 153.5 115.7 173.5
115 45.3 43.0 64.4

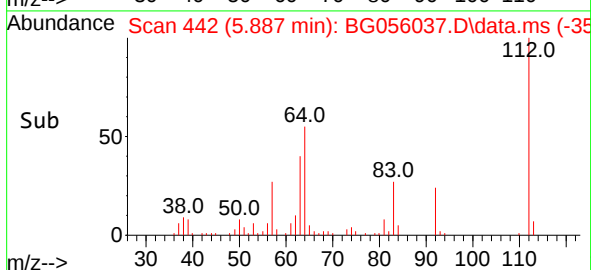
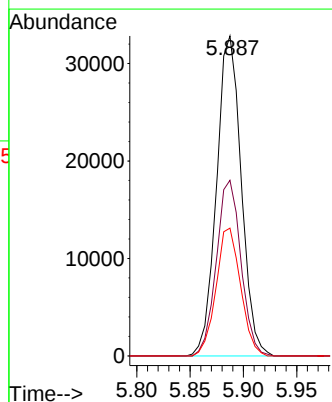
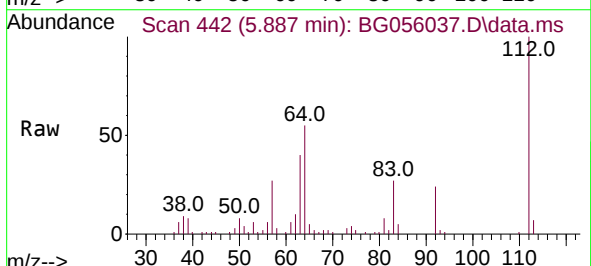
Manual Integrations
APPROVED

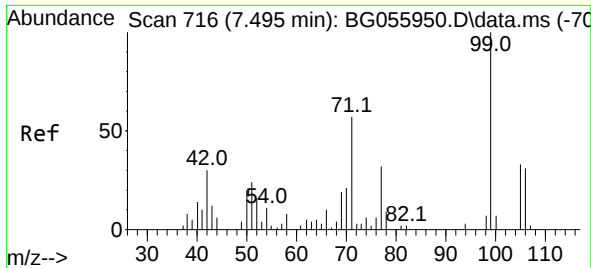
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#5
2-Fluorophenol
Concen: 114.943 ng
RT: 5.887 min Scan# 442
Delta R.T. 0.008 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

Tgt Ion:112 Resp: 52968
Ion Ratio Lower Upper
112 100
64 54.9 43.0 64.4
63 39.9 31.4 47.2





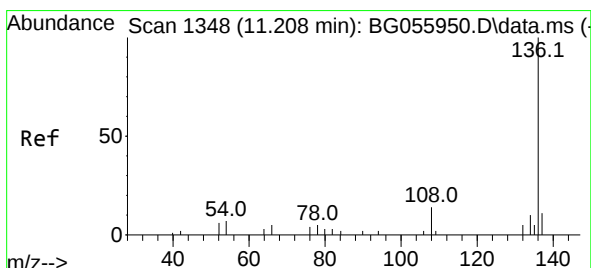
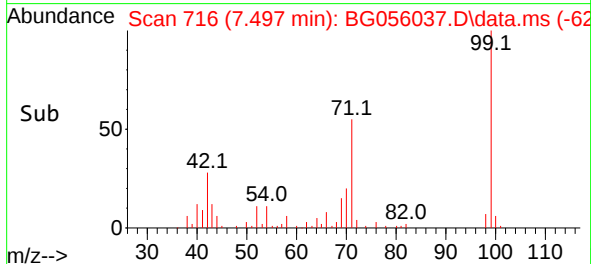
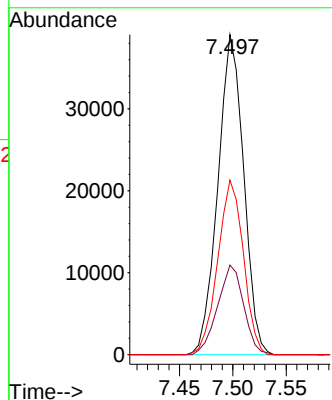
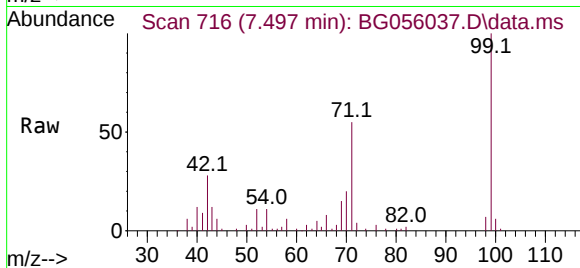
#7
Phenol-d6
Concen: 111.029 ng
RT: 7.497 min Scan# 716
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

Instrument :
BNA_G
ClientSampleId :
C3

Tgt Ion: 99 Resp: 65804
Ion Ratio Lower Upper
99 100
42 28.0 24.3 36.5
71 54.5 45.6 68.4

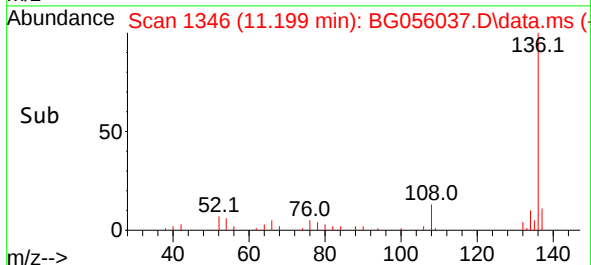
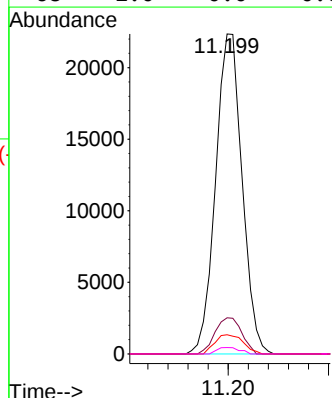
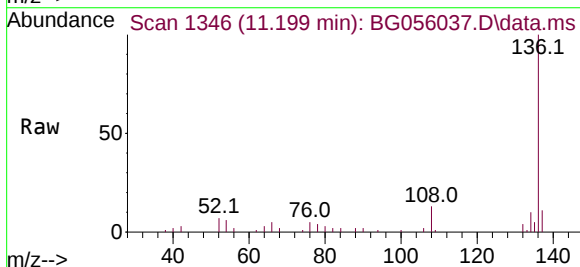
Manual Integrations
APPROVED

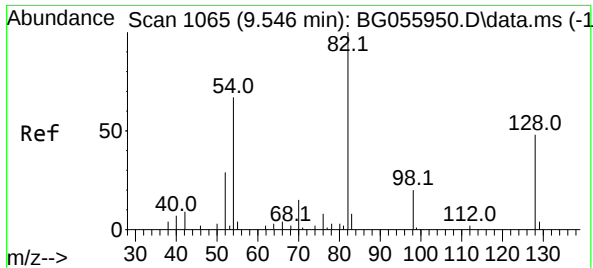
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.199 min Scan# 1346
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

Tgt Ion:136 Resp: 40985
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 6.0 5.6 8.4
68 2.0 0.0 0.0#





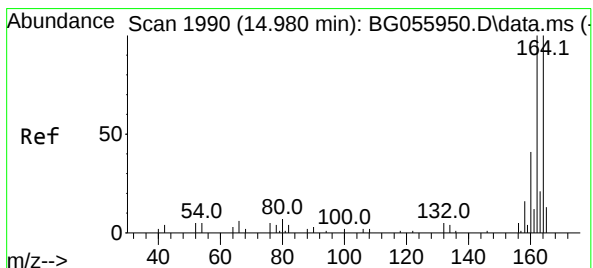
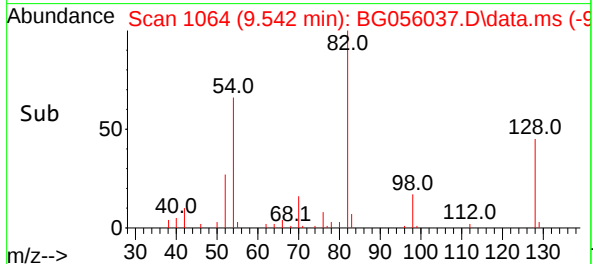
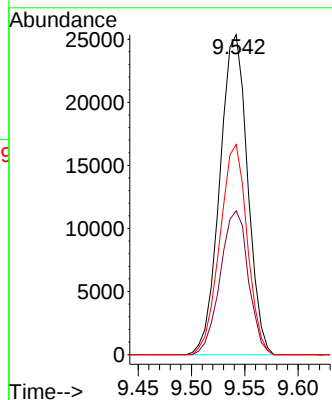
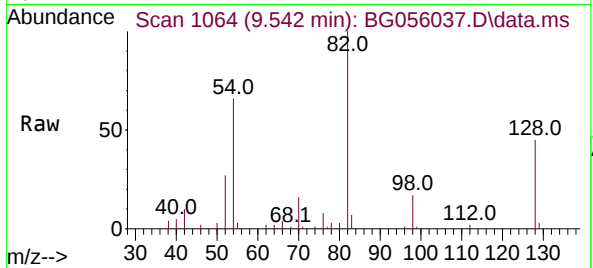
#23
Nitrobenzene-d5
Concen: 78.392 ng
RT: 9.542 min Scan# 1064
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

Instrument :
BNA_G
ClientSampleId :
C3

Tgt Ion: 82 Resp: 45976
Ion Ratio Lower Upper
82 100
128 44.9 38.4 57.6
54 65.7 53.3 79.9

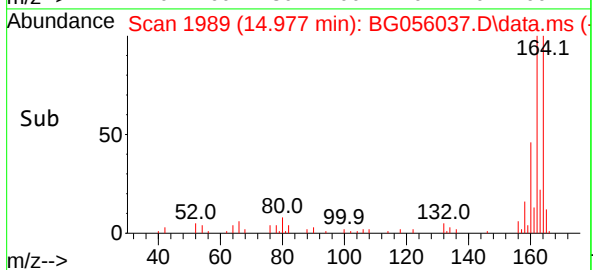
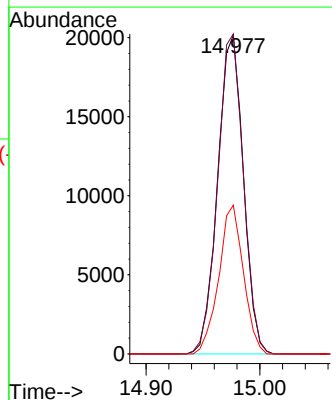
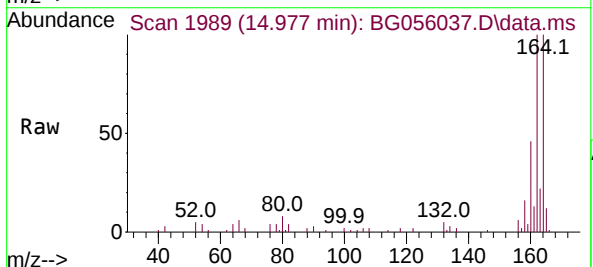
Manual Integrations
APPROVED

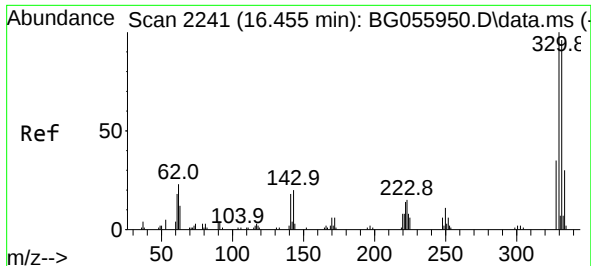
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.977 min Scan# 1989
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

Tgt Ion:164 Resp: 31625
Ion Ratio Lower Upper
164 100
162 100.4 79.8 119.8
160 46.7 33.0 49.4





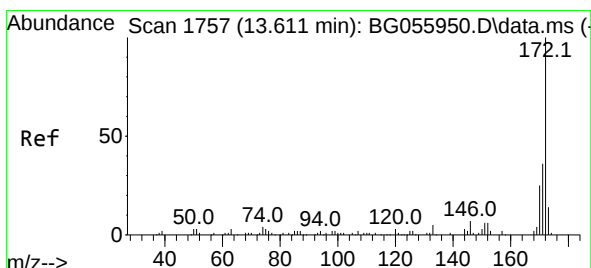
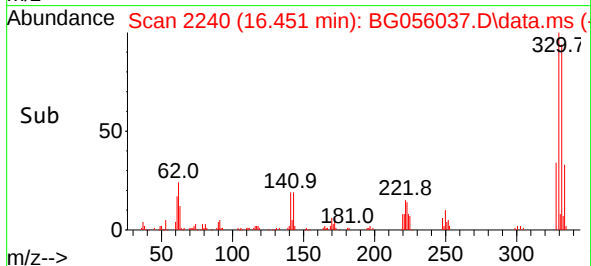
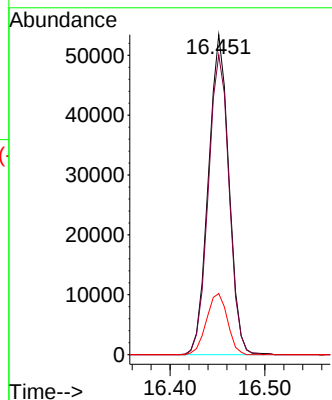
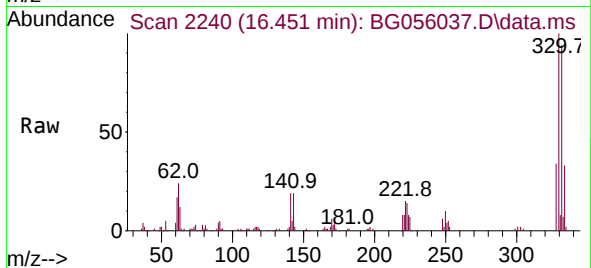
#42
2,4,6-Tribromophenol
Concen: 105.451 ng
RT: 16.451 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

Instrument :
BNA_G
ClientSampleId :
C3

Tgt Ion:330 Resp: 80414
Ion Ratio Lower Upper
330 100
332 95.1 76.6 114.8
141 19.5 15.0 22.4

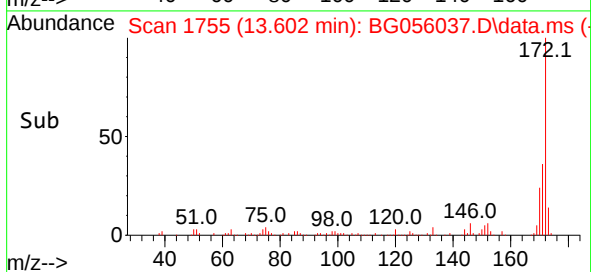
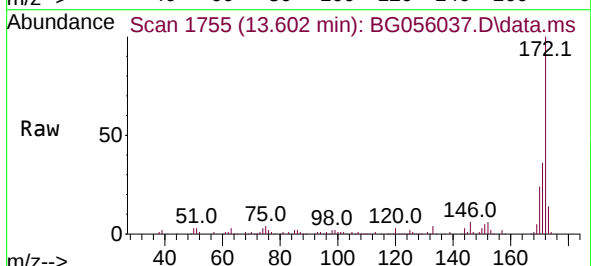
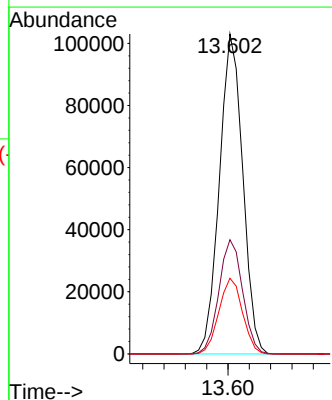
Manual Integrations
APPROVED

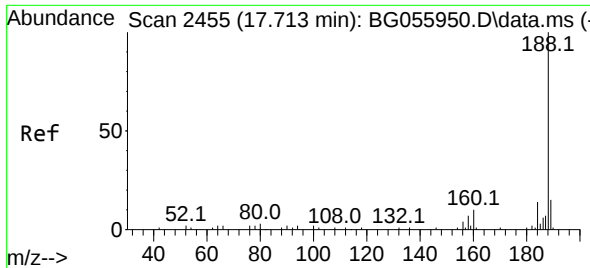
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#45
2-Fluorobiphenyl
Concen: 69.616 ng
RT: 13.602 min Scan# 1755
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

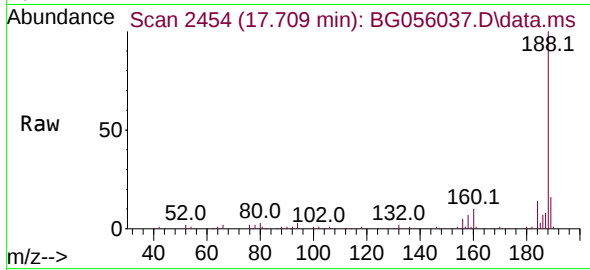
Tgt Ion:172 Resp: 156980
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.6 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.709 min Scan# 2455
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

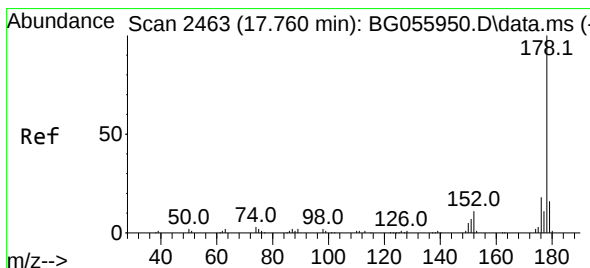
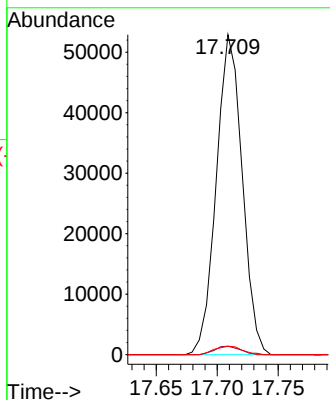
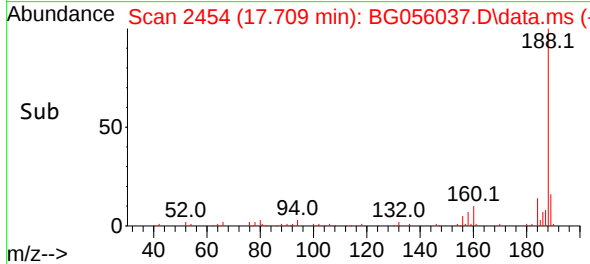
Instrument :
BNA_G
ClientSampleId :
C3



Tgt Ion:188 Resp: 78144
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 3.2 2.4 3.6

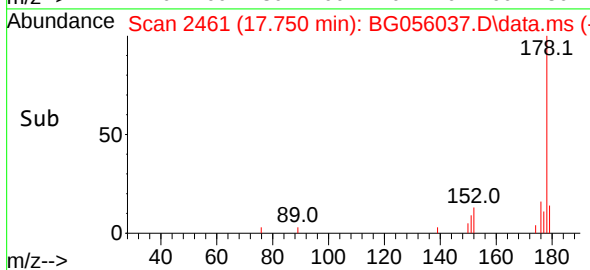
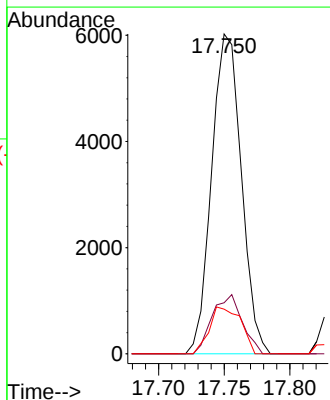
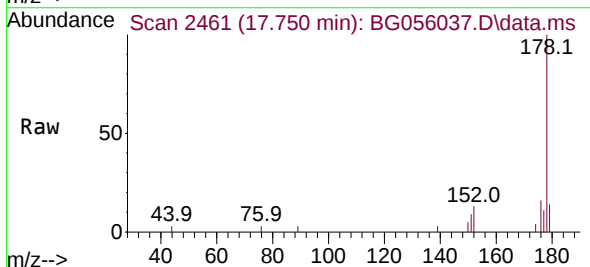
Manual Integrations
APPROVED

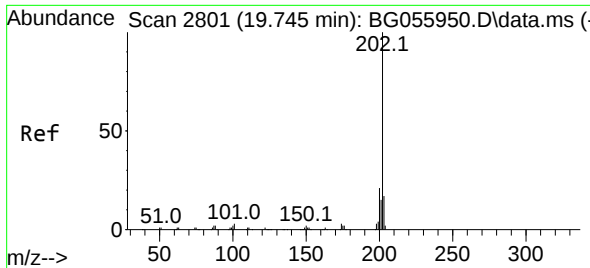
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#71
Phenanthrene
Concen: 2.317 ng
RT: 17.750 min Scan# 2461
Delta R.T. -0.004 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

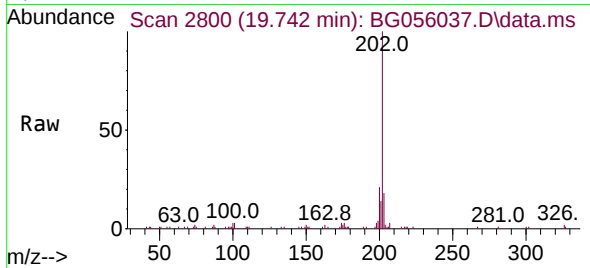
Tgt Ion:178 Resp: 9488
Ion Ratio Lower Upper
178 100
176 16.0 14.4 21.6
179 14.0 12.7 19.1





#75
Fluoranthene
Concen: 6.069 ng
RT: 19.742 min Scan# 2801
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

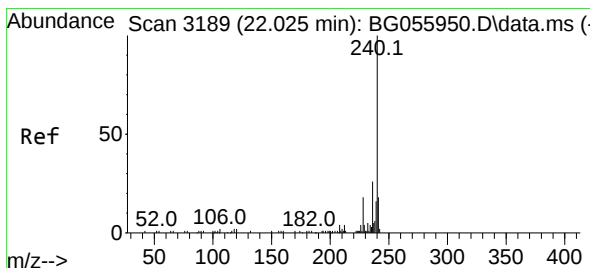
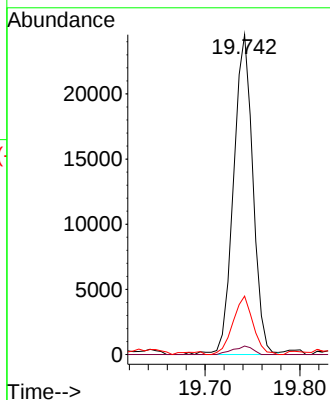
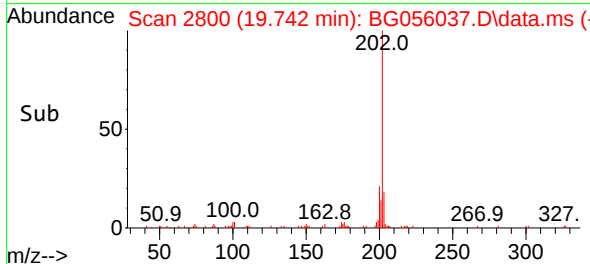
Instrument :
BNA_G
ClientSampleId :
C3



Tgt Ion:202 Resp: 34805
Ion Ratio Lower Upper
202 100
101 2.7 0.0 22.6
203 18.3 0.0 37.1

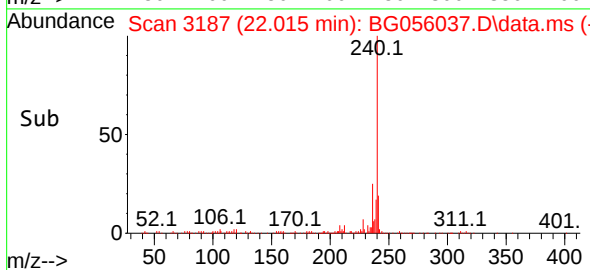
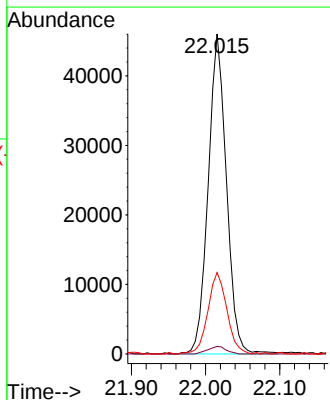
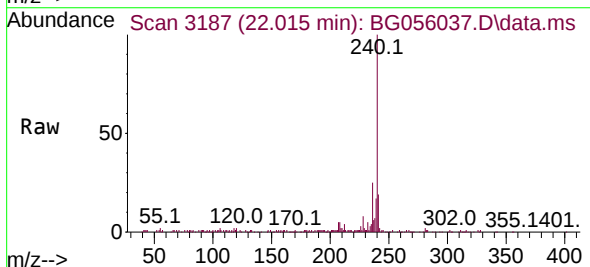
Manual Integrations
APPROVED

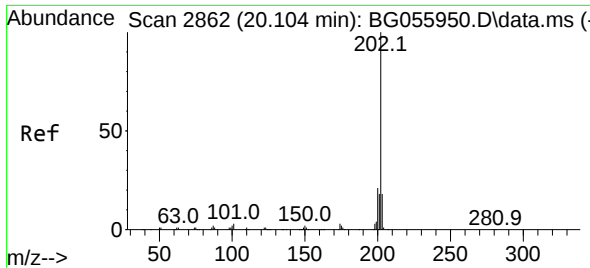
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.015 min Scan# 3187
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

Tgt Ion:240 Resp: 78671
Ion Ratio Lower Upper
240 100
120 2.3 1.7 2.5
236 25.4 21.1 31.7





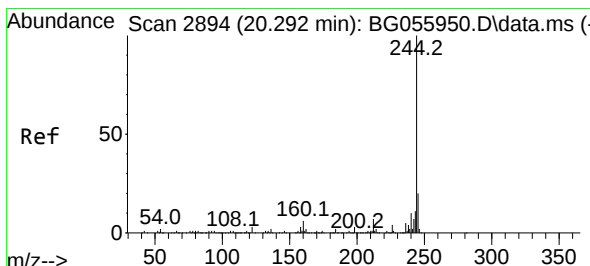
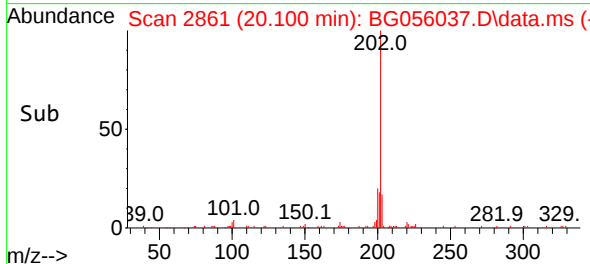
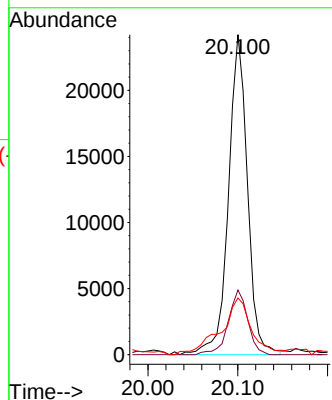
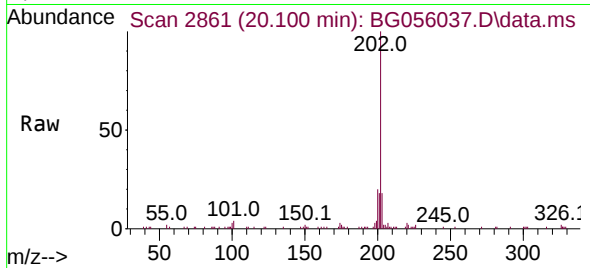
#78
Pyrene
Concen: 7.492 ng
RT: 20.100 min Scan# 2861
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

Instrument :
BNA_G
ClientSampleId :
C3

Tgt Ion:202 Resp: 35664
Ion Ratio Lower Upper
202 100
200 20.2 16.7 25.1
203 17.7 14.6 21.8

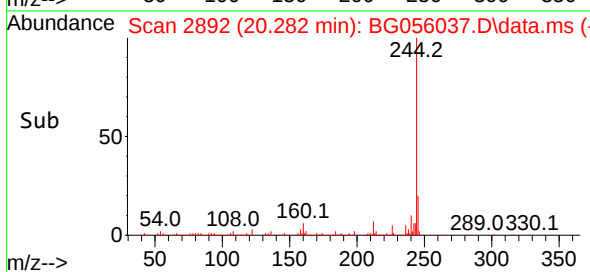
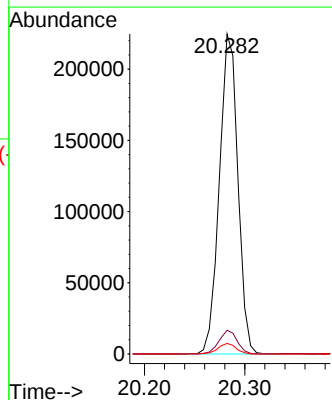
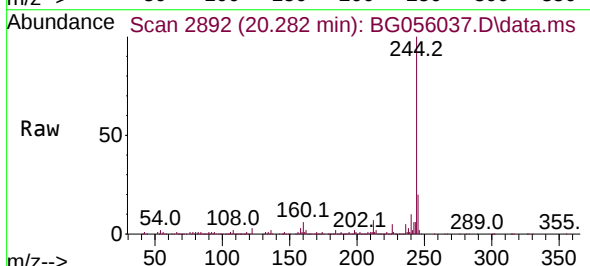
Manual Integrations
APPROVED

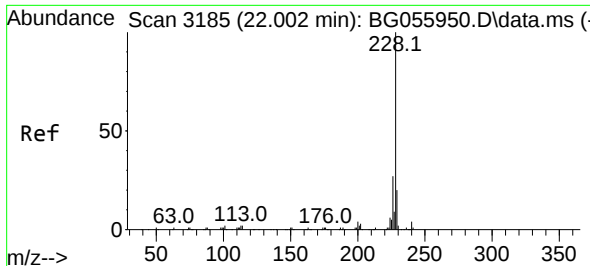
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#79
Terphenyl-d14
Concen: 64.795 ng
RT: 20.282 min Scan# 2892
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

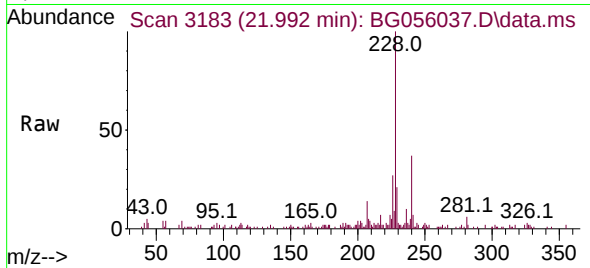
Tgt Ion:244 Resp: 288419
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 3.3 2.5 3.7





#81
Benzo(a)anthracene
Concen: 4.951 ng
RT: 21.992 min Scan# 3183
Delta R.T. -0.004 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

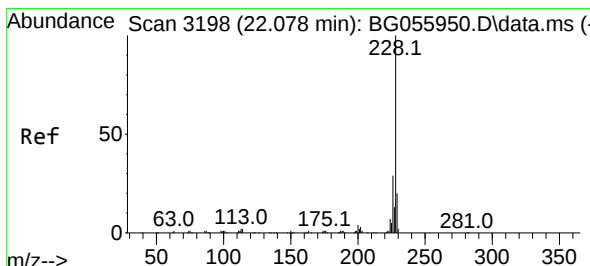
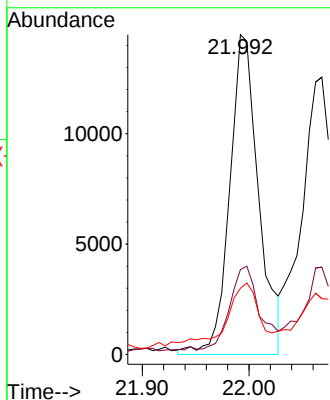
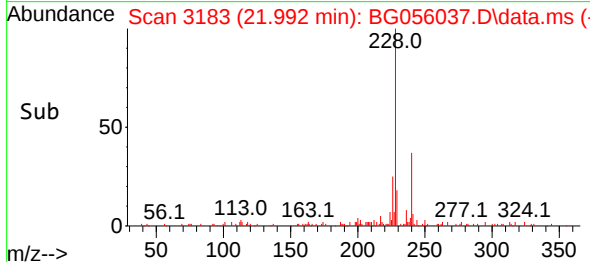
Instrument :
BNA_G
ClientSampleId :
C3



Tgt Ion:228 Resp: 27406
Ion Ratio Lower Upper
228 100
226 26.6 21.8 32.6
229 20.7 15.9 23.9

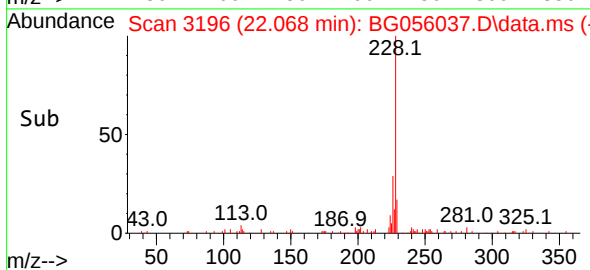
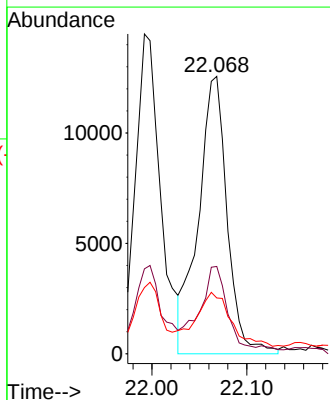
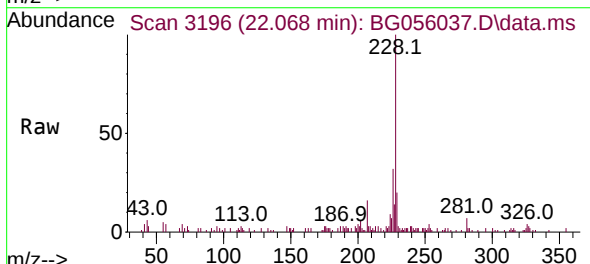
Manual Integrations
APPROVED

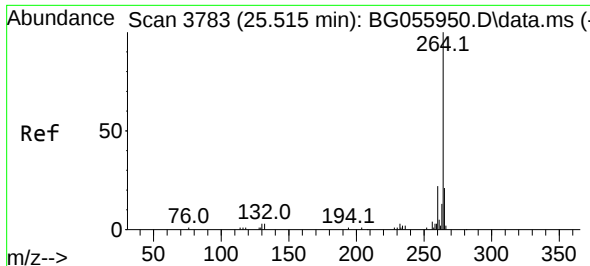
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#83
Chrysene
Concen: 5.134 ng
RT: 22.068 min Scan# 3196
Delta R.T. 0.002 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

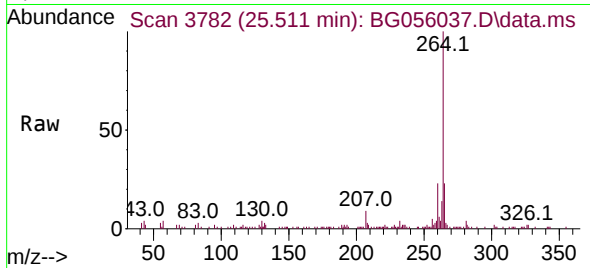
Tgt Ion:228 Resp: 26638
Ion Ratio Lower Upper
228 100
226 31.5 23.1 34.7
229 20.2 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.511 min Scan# 31
Delta R.T. 0.014 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51

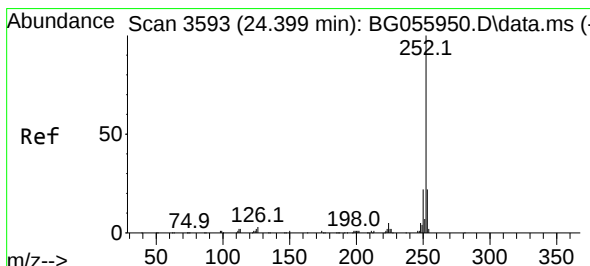
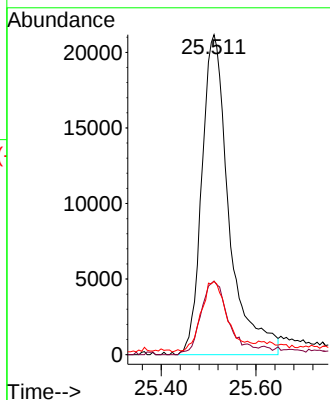
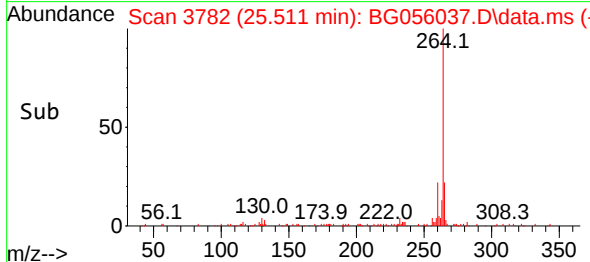
Instrument :
BNA_G
ClientSampleId :
C3



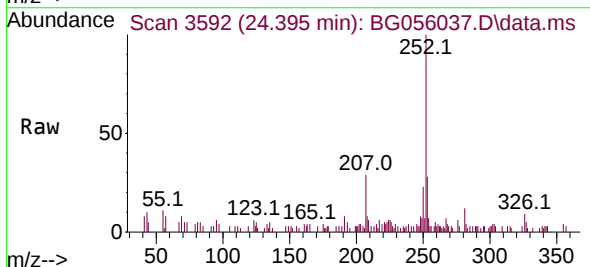
Tgt Ion:264 Resp: 84324
Ion Ratio Lower Upper
264 100
260 23.0 17.8 26.8
265 22.9 16.6 25.0

Manual Integrations
APPROVED

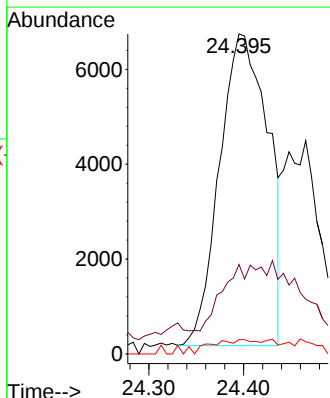
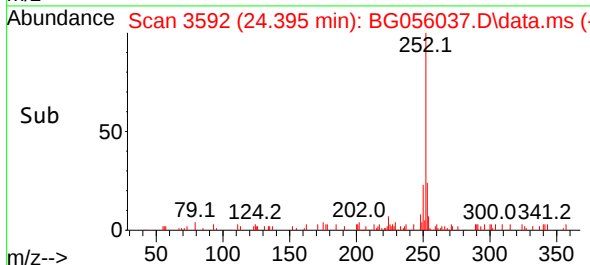
Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022

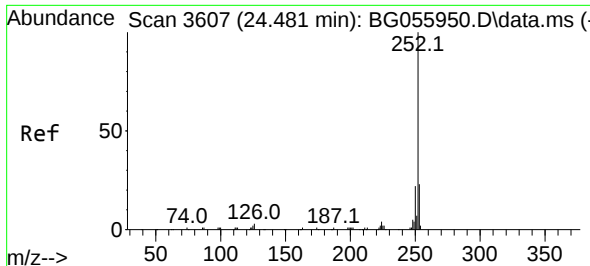


#88
Benzo(b)fluoranthene
Concen: 4.279 ng m
RT: 24.395 min Scan# 3592
Delta R.T. 0.008 min
Lab File: BG056037.D
Acq: 20 Dec 2022 19:51



Tgt Ion:252 Resp: 23353
Ion Ratio Lower Upper
252 100
253 27.9 17.4 26.0#
125 4.5 1.8 2.8#





#89

Benzo(k)fluoranthene

Concen: 2.298 ng m

RT: 24.466 min Scan# 3604

Delta R.T. 0.002 min

Lab File: BG056037.D

Acq: 20 Dec 2022 19:51

Instrument :

BNA_G

ClientSampleId :

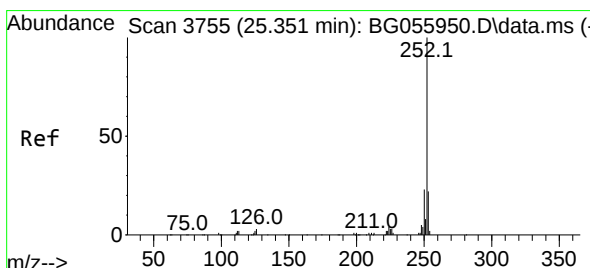
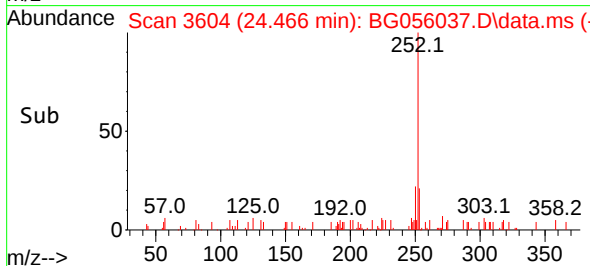
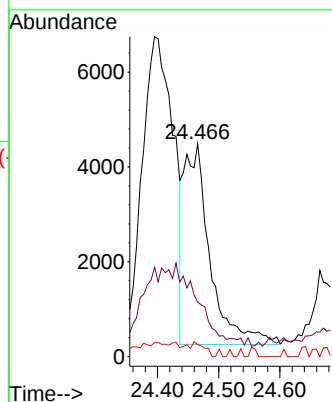
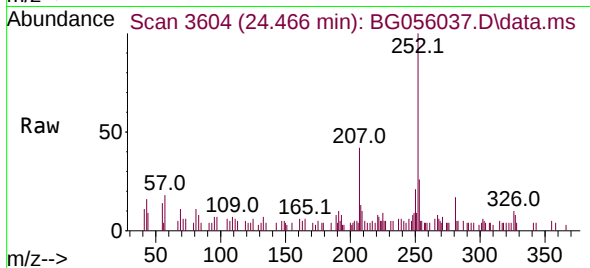
C3

Tgt Ion:	252	Resp:	1251
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.2	27.2
125	5.7	2.0	3.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/21/2022
Supervised By :Jagrut Upadhyay 12/21/2022



#90

Benzo(a)pyrene

Concen: 3.775 ng

RT: 25.347 min Scan# 3754

Delta R.T. 0.014 min

Lab File: BG056037.D

Acq: 20 Dec 2022 19:51

Tgt Ion:	252	Resp:	17412
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.7	26.5
125	4.6	1.9	2.9

