

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
 Data File : BG056559.D
 Acq On : 6 Feb 2023 17:46
 Operator : CG/JU
 Sample : 01428-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 348

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/07/2023
 Supervised By : Jagrut Upadhyay 02/07/2023

Quant Time: Feb 07 05:00:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 04:30:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.273	152	43109	20.000	ng	# 0.00
21) Naphthalene-d8	11.105	136	159000	20.000	ng	0.00
39) Acenaphthene-d10	14.895	164	112275	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	253197	20.000	ng	0.00
76) Chrysene-d12	21.922	240	243743	20.000	ng	0.00
86) Perylene-d12	25.359	264	263498	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	318331	135.841	ng	0.00
7) Phenol-d6	7.421	99	432212	124.479	ng	0.00
23) Nitrobenzene-d5	9.448	82	230927	82.473	ng	0.00
42) 2,4,6-Tribromophenol	16.376	330	175878	117.831	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	726182	89.672	ng	0.00
79) Terphenyl-d14	20.212	244	1198149	86.336	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.674	178	29475	2.224	ng	# 94
75) Fluoranthene	19.666	202	87587	5.237	ng	98
78) Pyrene	20.030	202	89530	5.165	ng	98
81) Benzo(a)anthracene	21.904	228	38857	2.280	ng	95
83) Chrysene	21.969	228	51768m	3.234	ng	
84) Bis(2-ethylhexyl)phtha...	21.758	149	27529	3.627	ng	# 99
88) Benzo(b)fluoranthene	24.260	252	79562	4.865	ng	# 86
90) Benzo(a)pyrene	25.195	252	49884	3.096	ng	# 91

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

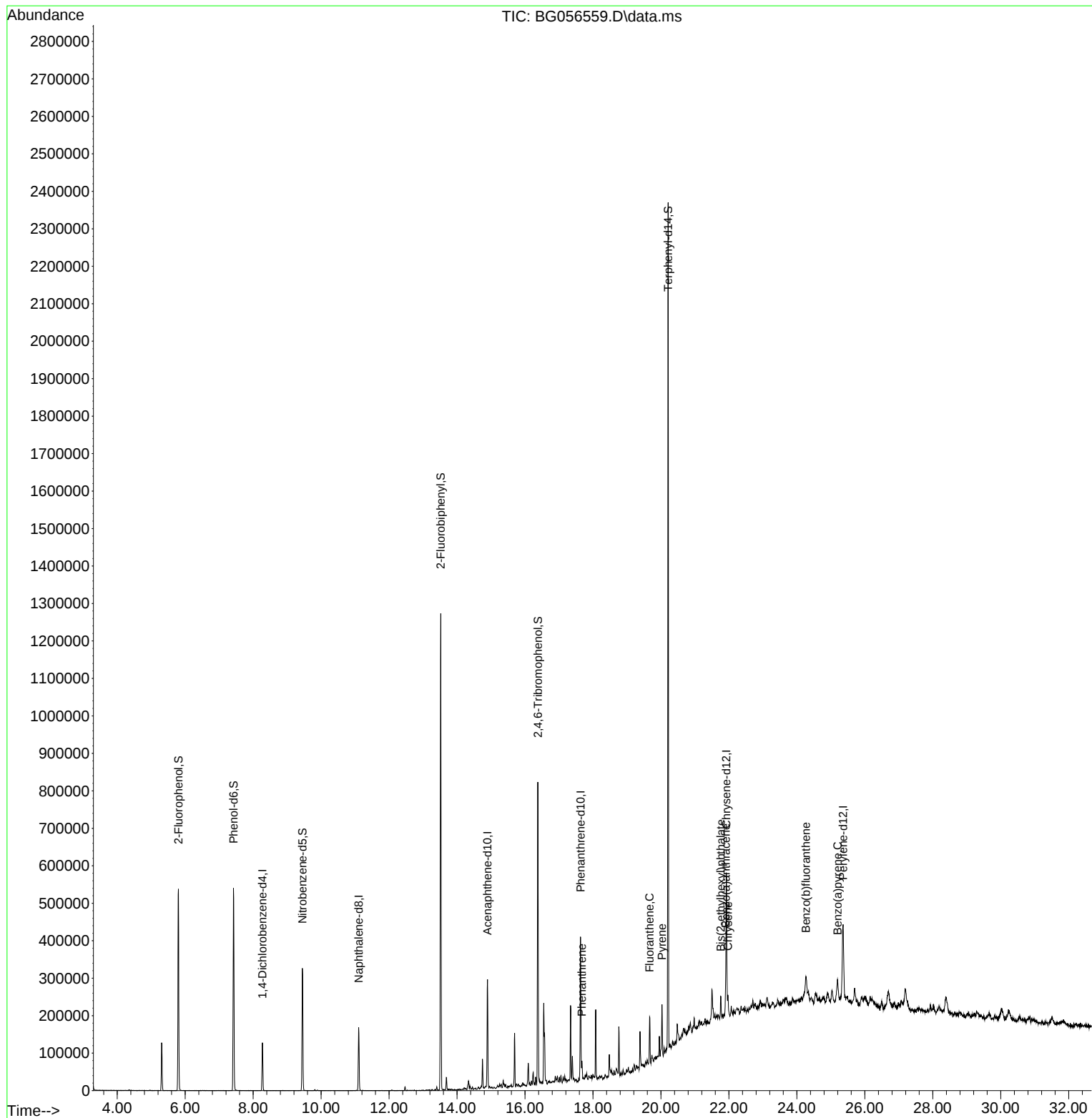
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020623\
Data File : BG056559.D
Acq On : 6 Feb 2023 17:46
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Misc :
ALS Vial : 10 Sample Multiplier: 1

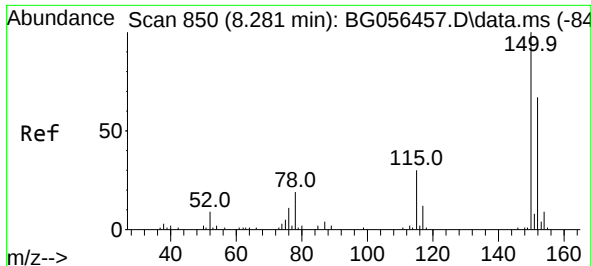
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348

Quant Time: Feb 07 05:00:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 07 04:30:04 2023
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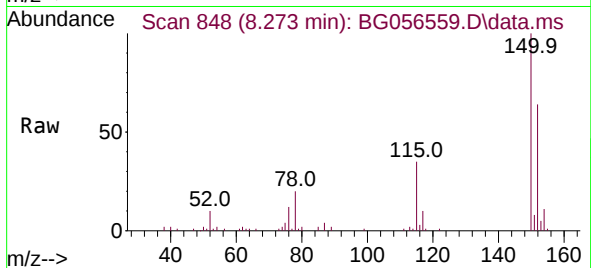
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

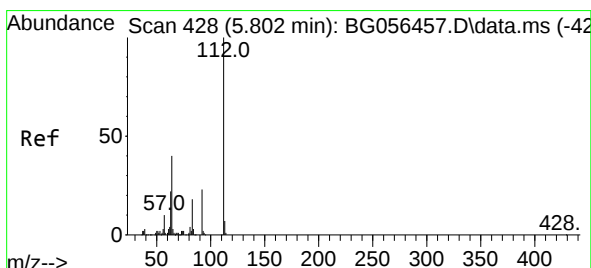
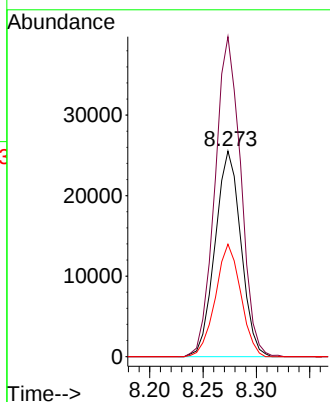
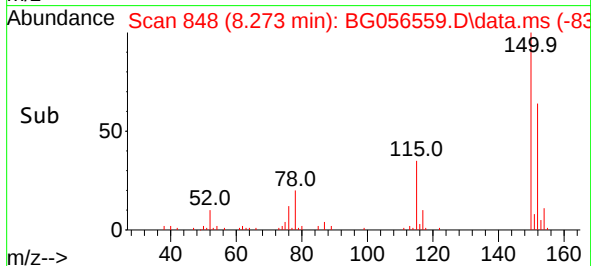
Instrument :
BNA_G
ClientSampleId :
348



Tgt Ion:152 Resp: 43109
Ion Ratio Lower Upper
152 100
150 155.8 120.2 180.4
115 54.7 36.3 54.5

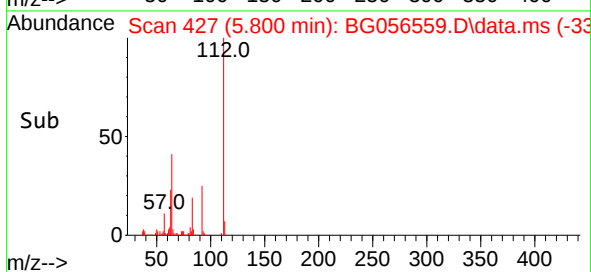
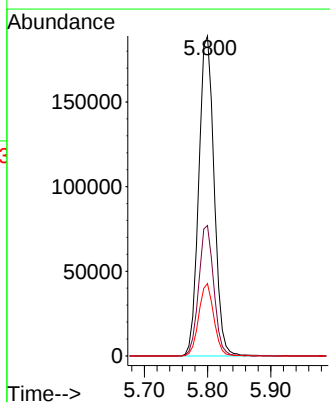
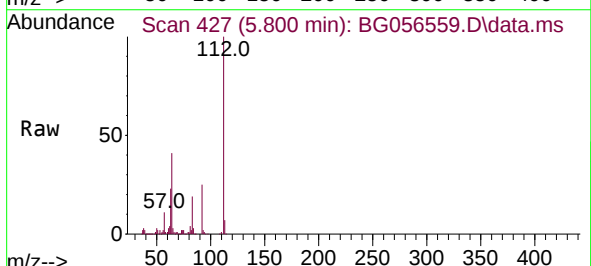
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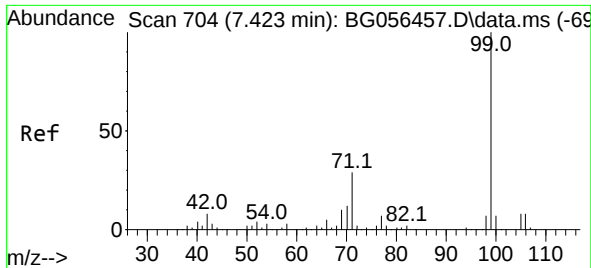
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#5
2-Fluorophenol
Concen: 135.841 ng
RT: 5.800 min Scan# 427
Delta R.T. 0.010 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion:112 Resp: 318331
Ion Ratio Lower Upper
112 100
64 40.7 31.9 47.9
63 22.6 17.4 26.0





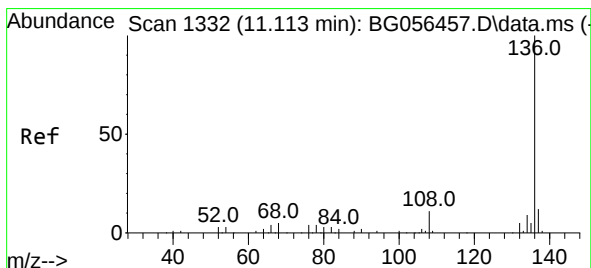
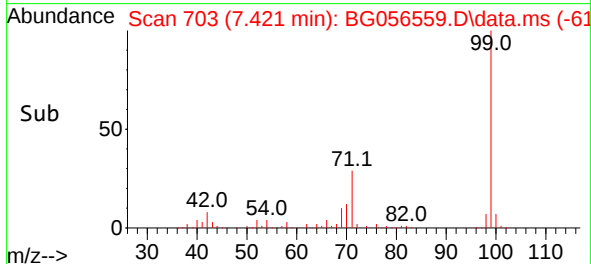
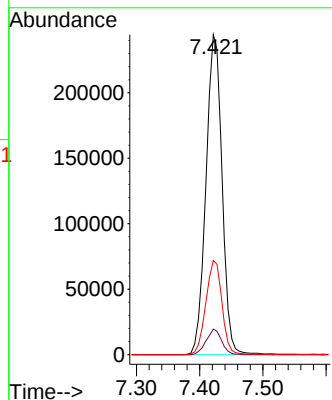
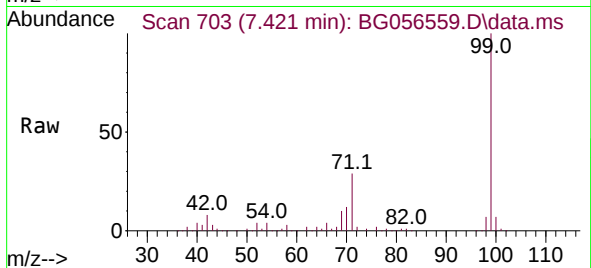
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Phenol-d6
Concen: 124.479 ng
RT: 7.421 min Scan# 704
Delta R.T. 0.004 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Instrument :
BNA_G
ClientSampleId :
348

Tgt Ion: 99 Resp: 432212
Ion Ratio Lower Upper
99 100
42 8.0 6.6 10.0
71 29.4 23.4 35.0

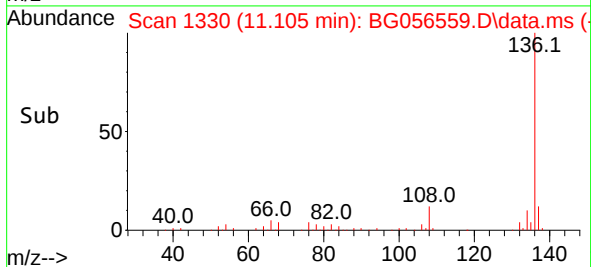
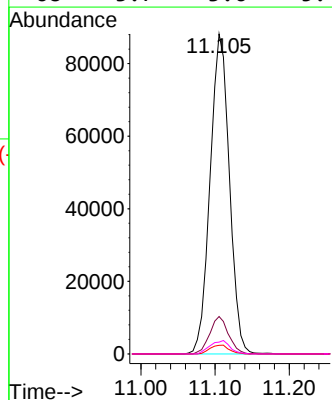
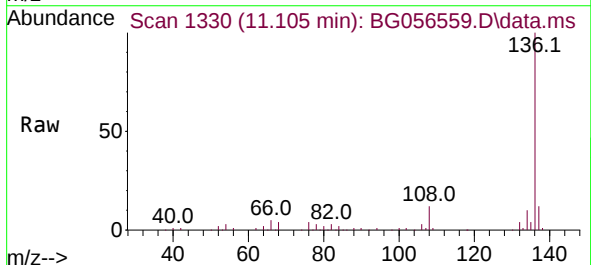
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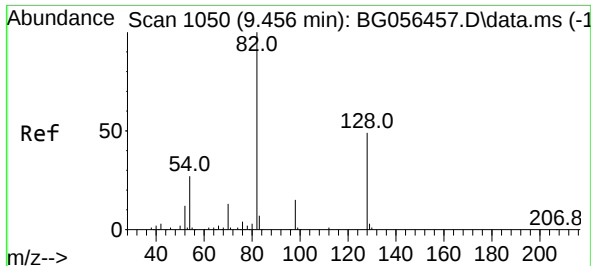
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Tgt Ion:136 Resp: 159000
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 2.7 2.2 3.4
68 3.7 3.6 5.4





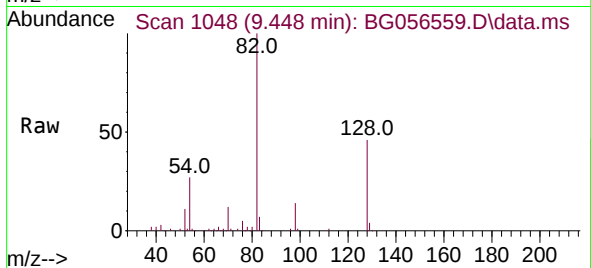
#23
Nitrobenzene-d5
Concen: 82.473 ng
RT: 9.448 min Scan# 1048
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Instrument :

BNA_G

ClientSampleId :

348

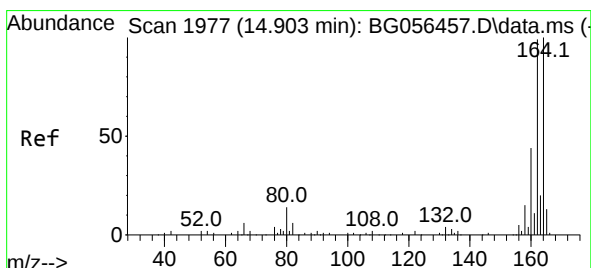
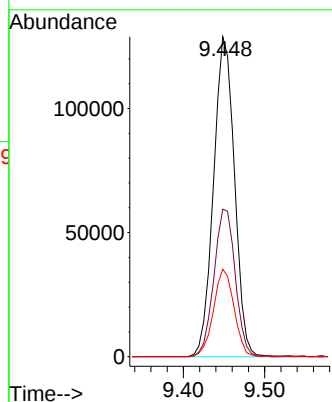
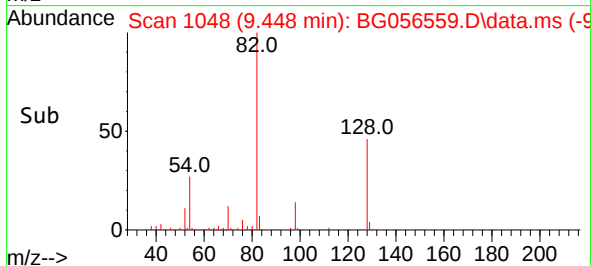


Tgt Ion: 82 Resp: 230927
Ion Ratio Lower Upper
82 100
128 46.1 39.4 59.2
54 27.3 21.4 32.2

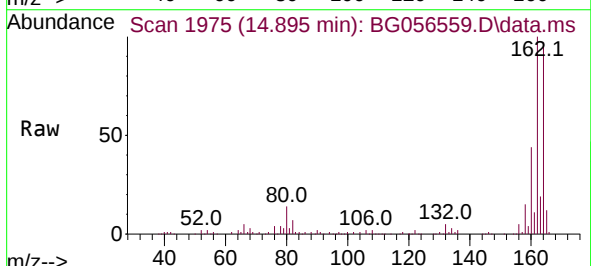
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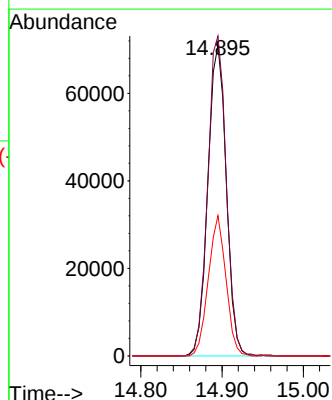
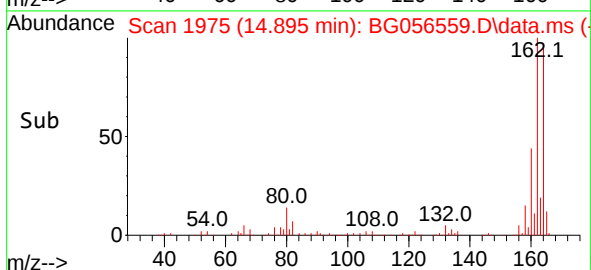
Reviewed By :Christian Giraldo 02/07/2023
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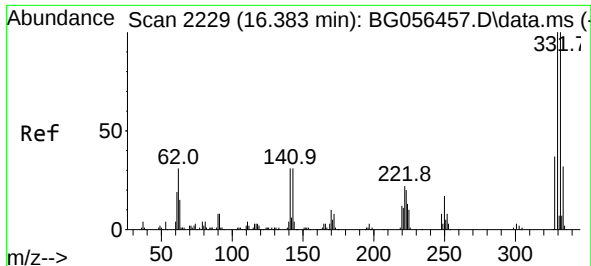


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 1975
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46



Tgt Ion:164 Resp: 112275
Ion Ratio Lower Upper
164 100
162 103.0 79.6 119.4
160 45.1 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 117.831 ng
RT: 16.376 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

Instrument :

BNA_G

ClientSampleId :

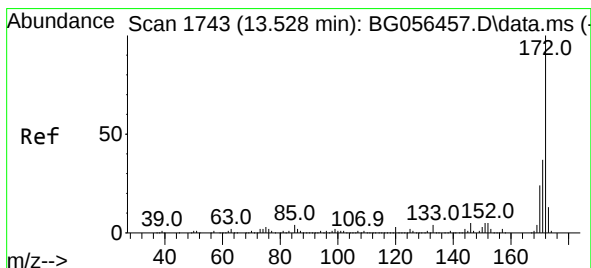
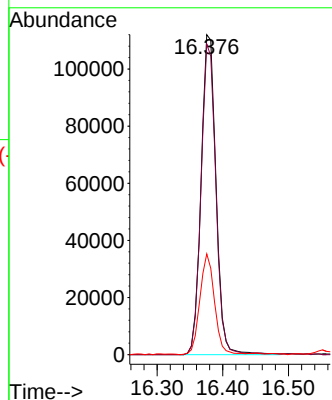
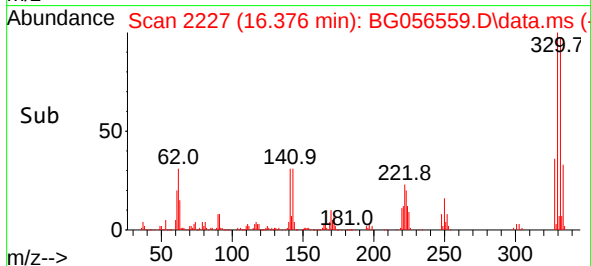
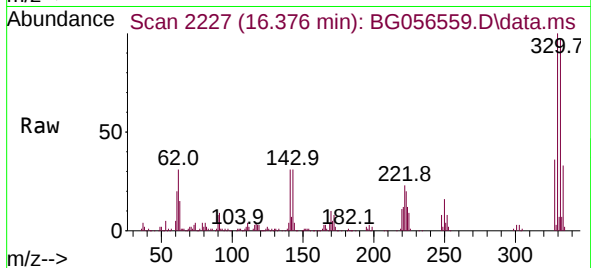
348

Tgt Ion:330 Resp: 175878
Ion Ratio Lower Upper
330 100
332 95.6 79.0 118.6
141 30.8 24.2 36.4

Manual Integrations

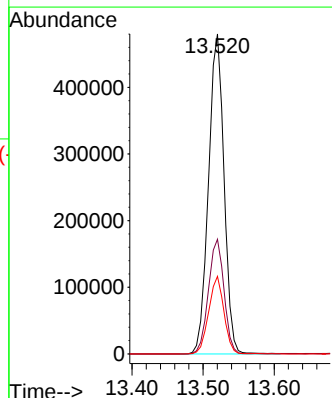
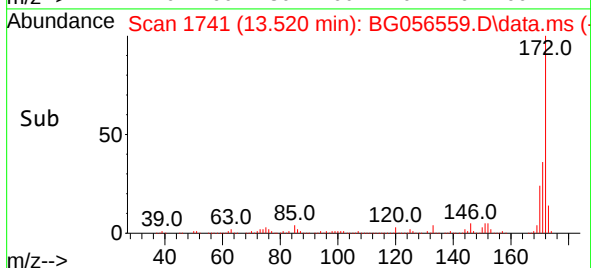
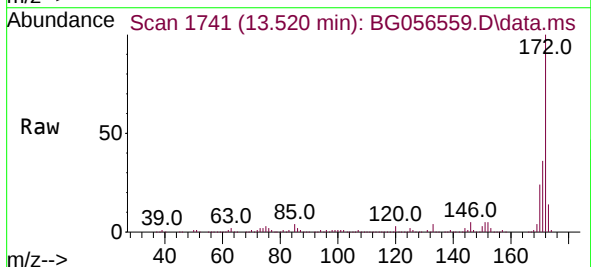
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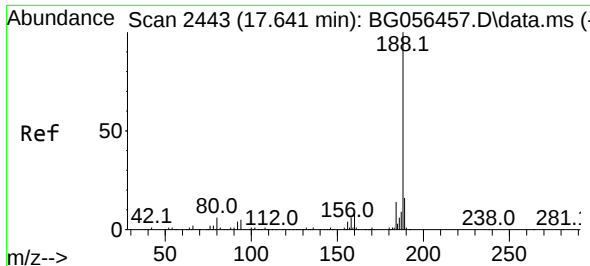
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#45
2-Fluorobiphenyl
Concen: 89.672 ng
RT: 13.520 min Scan# 1741
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

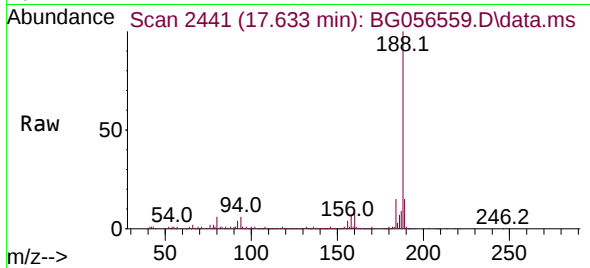
Tgt Ion:172 Resp: 726182
Ion Ratio Lower Upper
172 100
171 35.8 29.5 44.3
170 24.2 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.633 min Scan# 2443
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

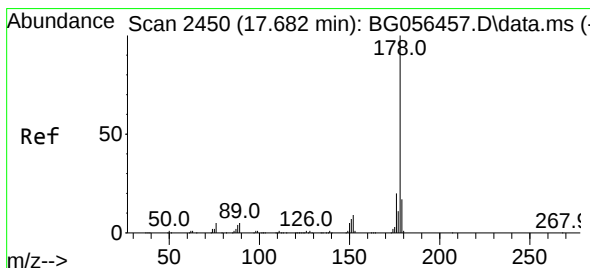
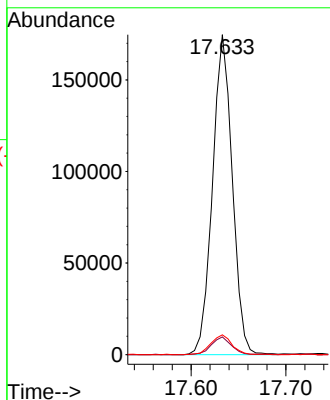
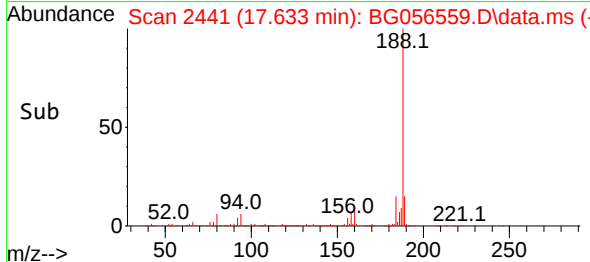
Instrument :
BNA_G
ClientSampleId :
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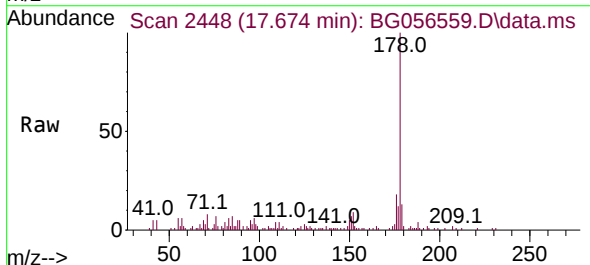
Tgt Ion:188 Resp: 253197
Ion Ratio Lower Upper
188 100
94 5.5 4.1 6.1
80 6.2 5.0 7.4

Manual Integrations
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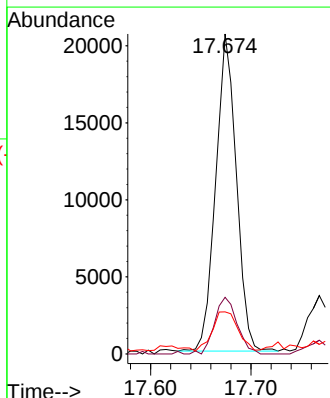
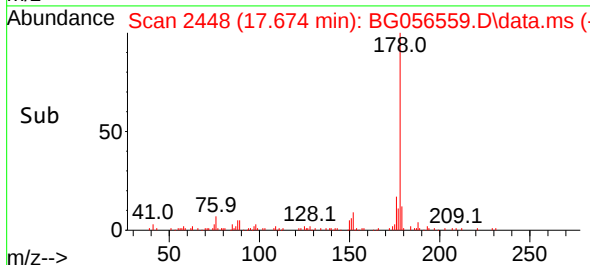
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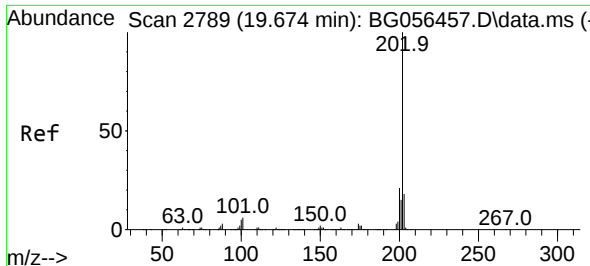


#71
Phenanthrene
Concen: 2.224 ng
RT: 17.674 min Scan# 2448
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46



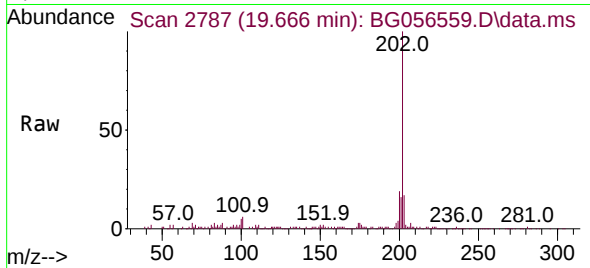
Tgt Ion:178 Resp: 29475
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 13.1 13.3 19.9#





#75
Fluoranthene
Concen: 5.237 ng
RT: 19.666 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

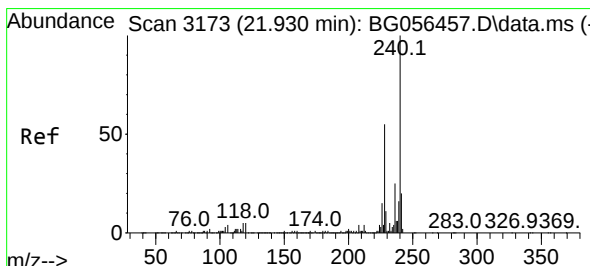
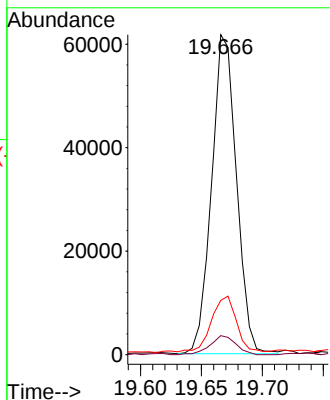
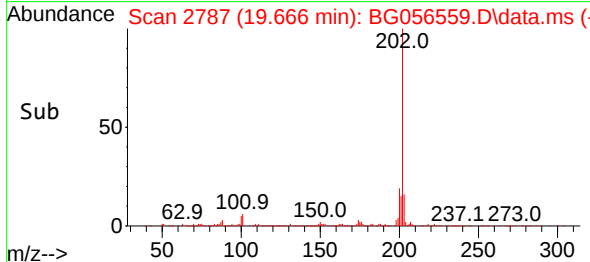
Instrument :
BNA_G
ClientSampleId :
348



Tgt Ion:202 Resp: 8758
Ion Ratio Lower Upper
202 100
101 5.9 0.0 25.6
203 16.9 0.0 38.1

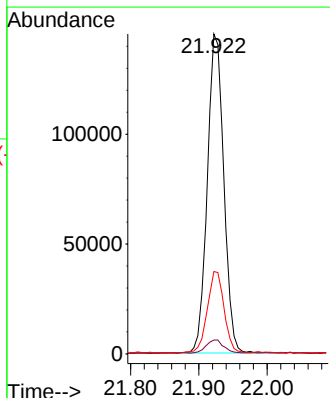
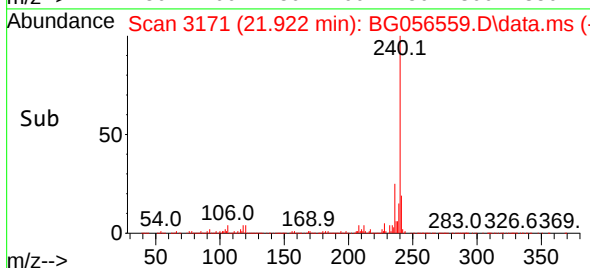
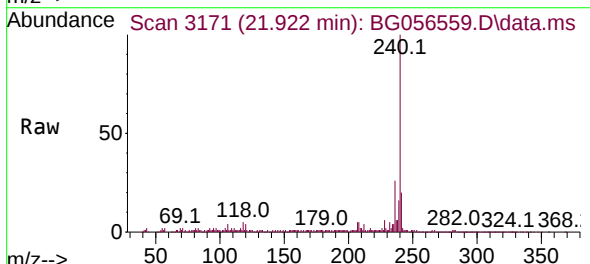
Manual Integrations
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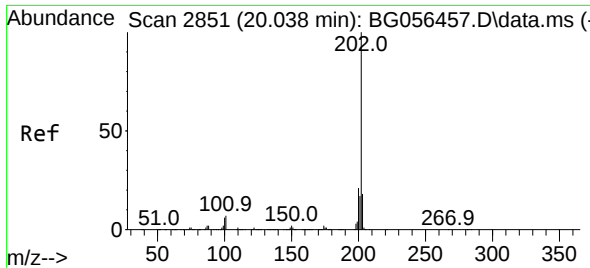
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.922 min Scan# 3171
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

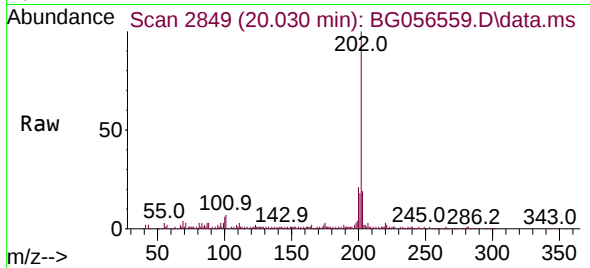
Tgt Ion:240 Resp: 243743
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 25.8 20.2 30.2





#78
 Pyrene
 Concen: 5.165 ng
 RT: 20.030 min Scan# 2849
 Delta R.T. -0.002 min
 Lab File: BG056559.D
 Acq: 6 Feb 2023 17:46

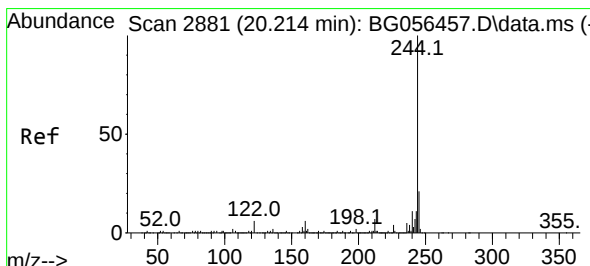
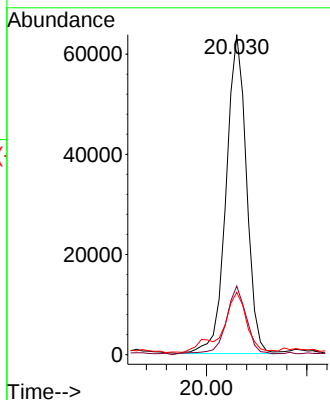
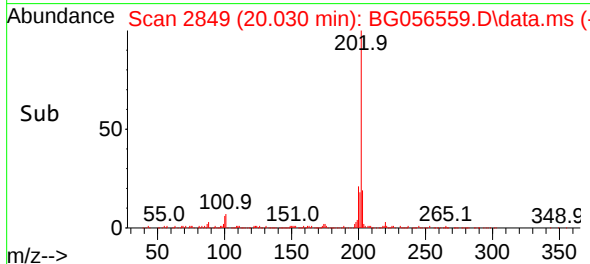
Instrument :
 BNA_G
 ClientSampleId :
 348



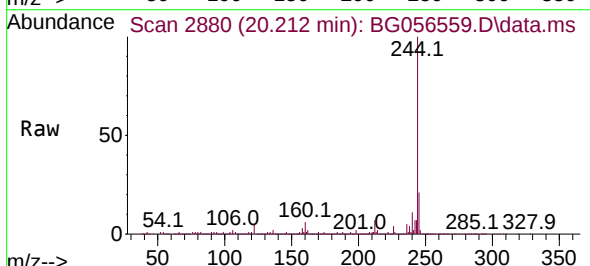
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 Ion Ratio Lower Upper
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 203 19.4 14.4 21.6

Manual Integrations
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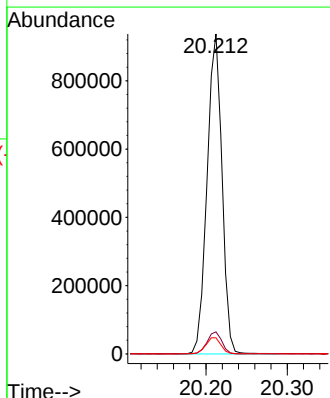
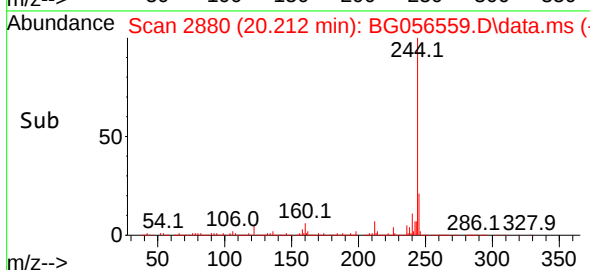
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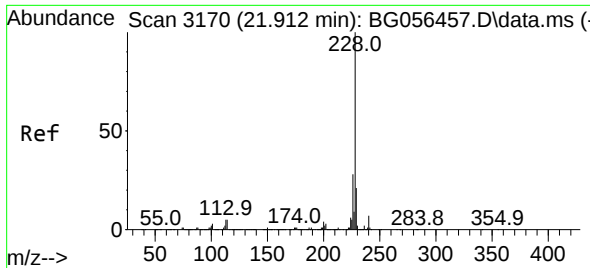


#79
 Terphenyl-d14
 Concen: 86.336 ng
 RT: 20.212 min Scan# 2880
 Delta R.T. -0.002 min
 Lab File: BG056559.D
 Acq: 6 Feb 2023 17:46



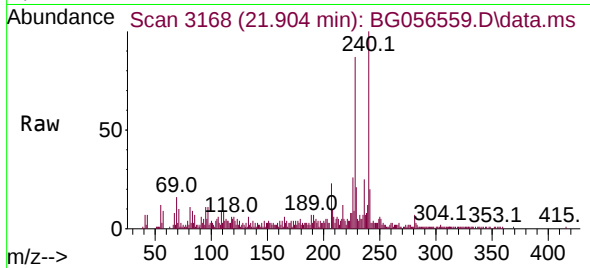
Tgt Ion:244 Resp: 1198149
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 5.0 4.4 6.6





#81
Benzo(a)anthracene
Concen: 2.280 ng
RT: 21.904 min Scan# 3170
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

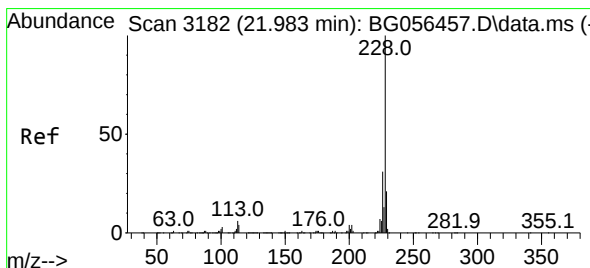
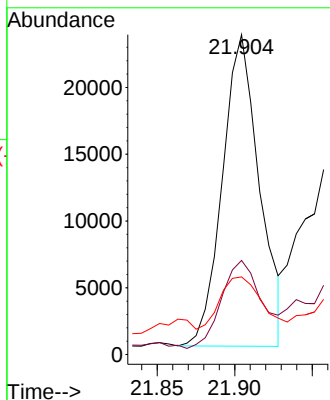
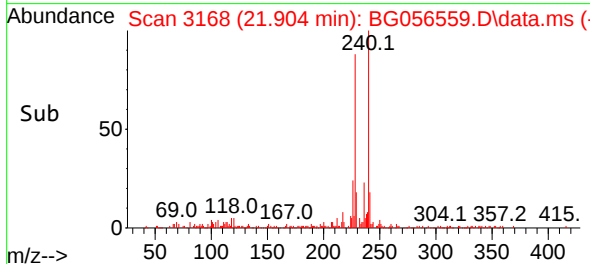
Instrument :
BNA_G
ClientSampleId :
348



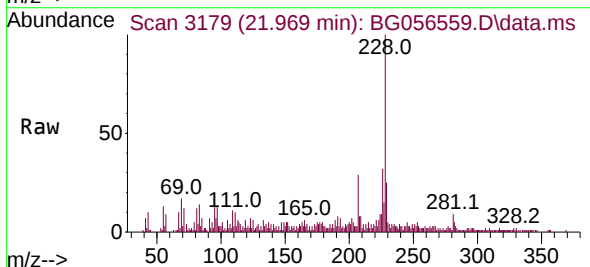
Tgt Ion:228 Resp: 3885
Ion Ratio Lower Upper
228 100
226 29.4 22.4 33.6
229 24.3 16.5 24.7

Manual Integrations
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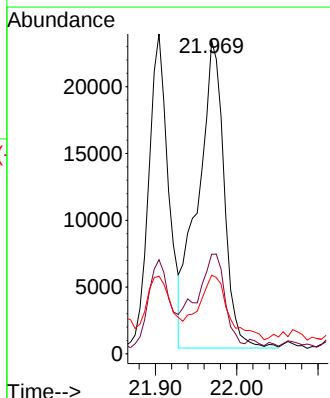
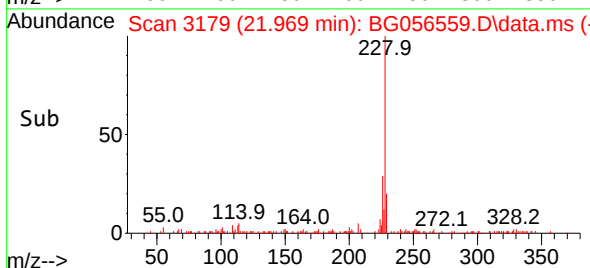
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023

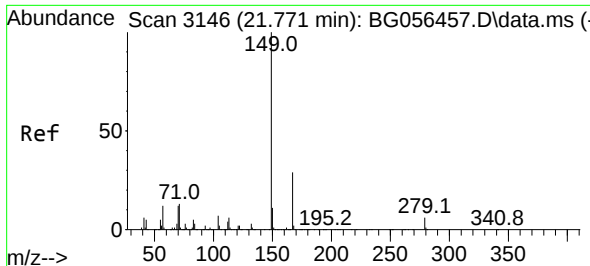


#83
Chrysene
Concen: 3.234 ng m
RT: 21.969 min Scan# 3179
Delta R.T. -0.014 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46



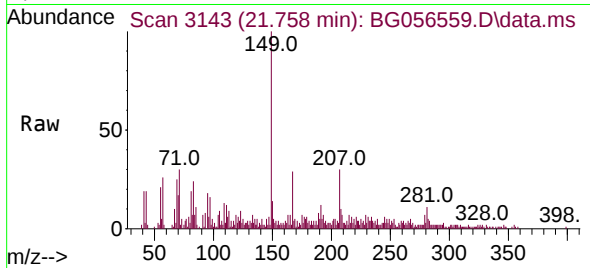
Tgt Ion:228 Resp: 51768
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.4
229 25.1 16.4 24.6#





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.627 ng
RT: 21.758 min Scan# 3143
Delta R.T. -0.008 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

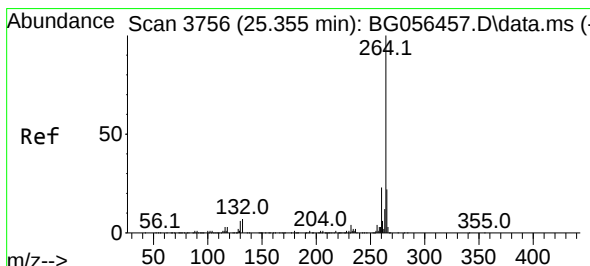
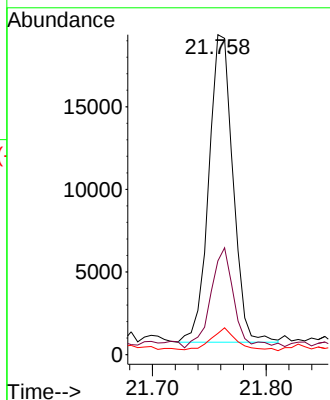
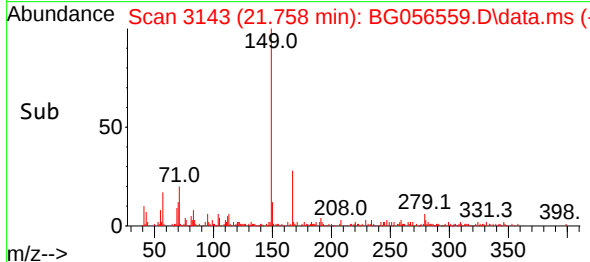
Instrument :
BNA_G
ClientSampleId :
348



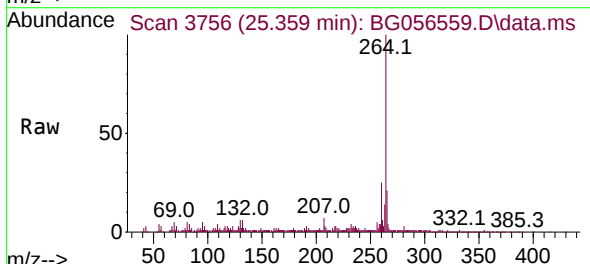
Tgt Ion:149 Resp: 27529
Ion Ratio Lower Upper
149 100
167 29.3 23.4 35.2
279 6.6 4.4 6.6

Manual Integrations
APPROVED

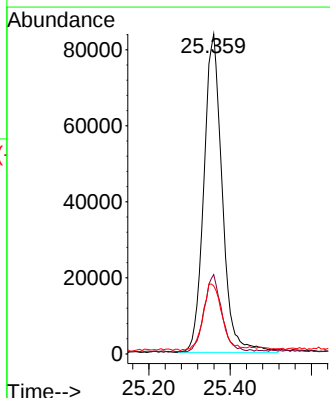
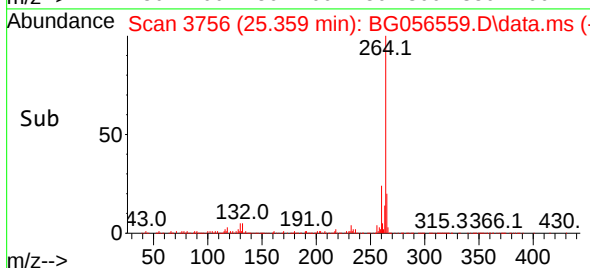
Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023

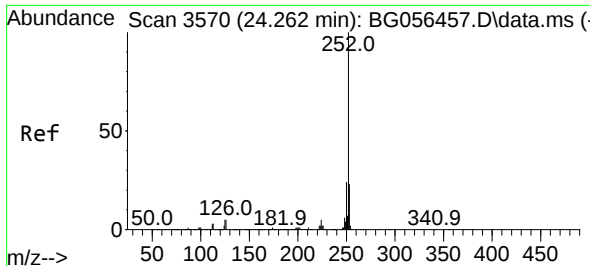


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.359 min Scan# 3756
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46



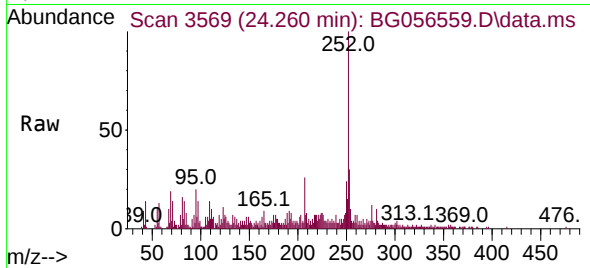
Tgt Ion:264 Resp: 263498
Ion Ratio Lower Upper
264 100
260 24.8 18.2 27.4
265 21.2 18.1 27.1





#88
Benzo(b)fluoranthene
Concen: 4.865 ng
RT: 24.260 min Scan# 3570
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46

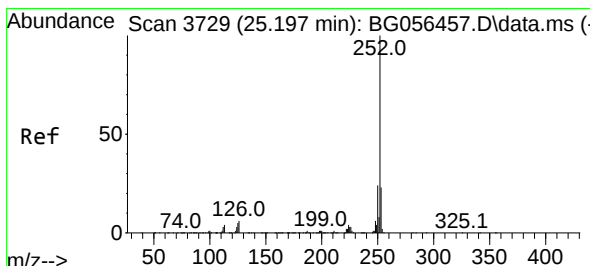
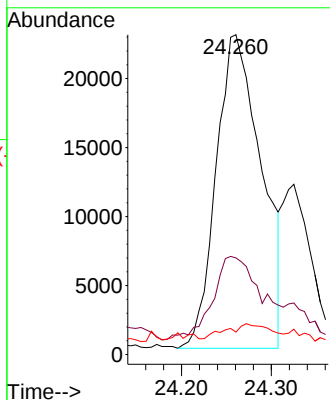
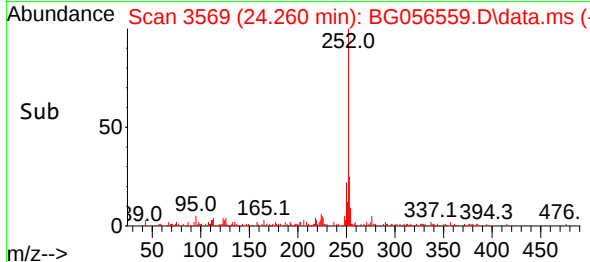
Instrument :
BNA_G
ClientSampleId :
348



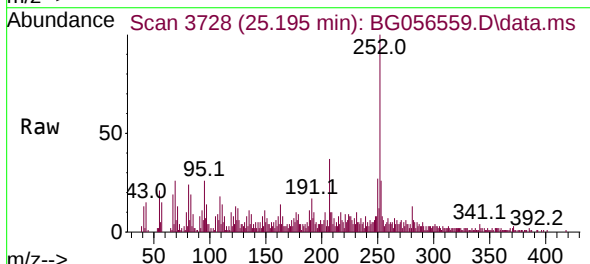
Tgt Ion:252 Resp: 79562
Ion Ratio Lower Upper
252 100
253 30.2 18.1 27.1
125 7.0 3.9 5.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/07/2023
Supervised By :Jagrut Upadhyay 02/07/2023



#90
Benzo(a)pyrene
Concen: 3.096 ng
RT: 25.195 min Scan# 3728
Delta R.T. -0.002 min
Lab File: BG056559.D
Acq: 6 Feb 2023 17:46



Tgt Ion:252 Resp: 49884
Ion Ratio Lower Upper
252 100
253 26.0 18.4 27.6
125 11.5 4.1 6.1

