

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057014.D
 Acq On : 6 Apr 2023 16:12
 Operator : CG/JU
 Sample : 02191-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11982

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023

Quant Time: Apr 07 01:37:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.410	152	15281	20.000	ng	0.00
21) Naphthalene-d8	11.254	136	60260	20.000	ng	0.00
39) Acenaphthene-d10	15.019	164	44082	20.000	ng	0.00
64) Phenanthrene-d10	17.756	188	101908	20.000	ng	0.00
76) Chrysene-d12	22.080	240	85651	20.000	ng	0.00
86) Perylene-d12	25.622	264	92032	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.925	112	107087	112.157	ng	0.00
7) Phenol-d6	7.541	99	157127	110.032	ng	0.00
23) Nitrobenzene-d5	9.585	82	102132	69.349	ng	0.00
42) 2,4,6-Tribromophenol	16.499	330	79350	112.677	ng	0.00
45) 2-Fluorobiphenyl	13.650	172	237568	73.079	ng	0.00
79) Terphenyl-d14	20.329	244	370693	73.236	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.749	152	8037	2.050	ng	# 87
70) Pentachlorophenol	17.404	266	4657	5.207	ng	100
71) Phenanthrene	17.803	178	122266	23.532	ng	100
72) Anthracene	17.892	178	12052m	2.263	ng	
75) Fluoranthene	19.789	202	212523	32.267	ng	99
78) Pyrene	20.153	202	206472	34.853	ng	98
81) Benzo(a)anthracene	22.057	228	91998	15.522	ng	97
83) Chrysene	22.127	228	111089	20.018	ng	96
84) Bis(2-ethylhexyl)phtha...	21.910	149	5984	2.027	ng	# 88
87) Indeno(1,2,3-cd)pyrene	29.705	276	71562	10.521	ng	# 97
88) Benzo(b)fluoranthene	24.489	252	129949	22.580	ng	95
89) Benzo(k)fluoranthene	24.553	252	51613m	8.983	ng	
90) Benzo(a)pyrene	25.452	252	98297	17.382	ng	# 97
91) Dibenzo(a,h)anthracene	29.752	278	19987m	3.575	ng	
92) Benzo(g,h,i)perylene	30.980	276	70521	12.882	ng	# 97

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

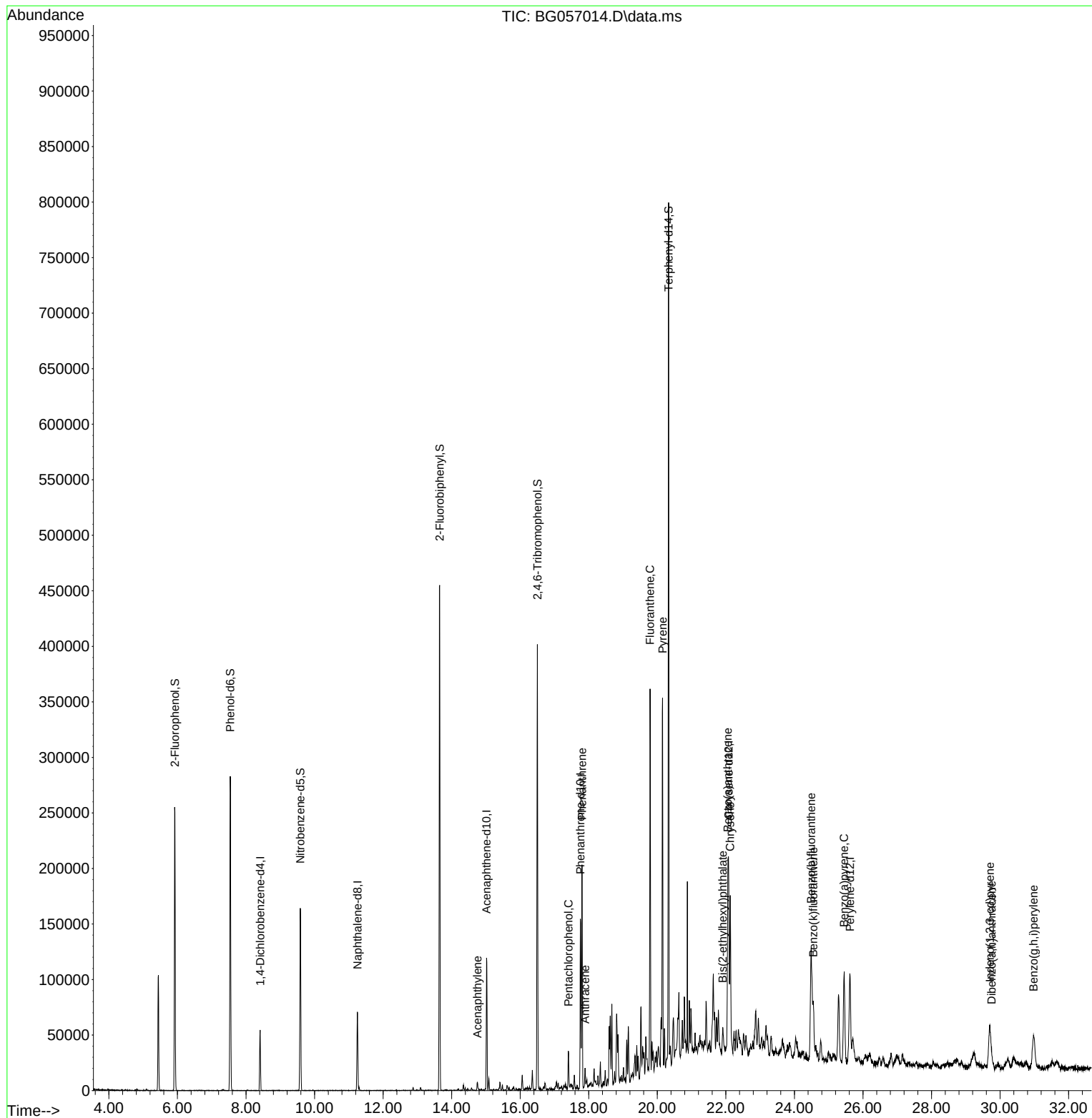
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
Data File : BG057014.D
Acq On : 6 Apr 2023 16:12
Operator : CG/JU
Sample : 02191-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

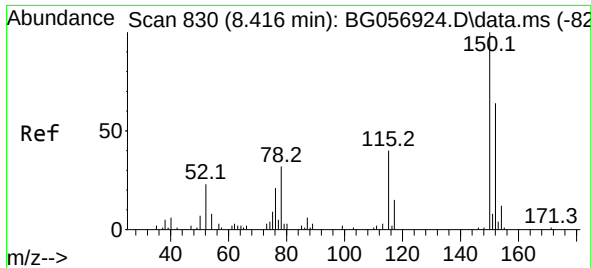
Instrument :
BNA_G
ClientSampleId :
72-11982

Quant Time: Apr 07 01:37:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 07 01:33:41 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

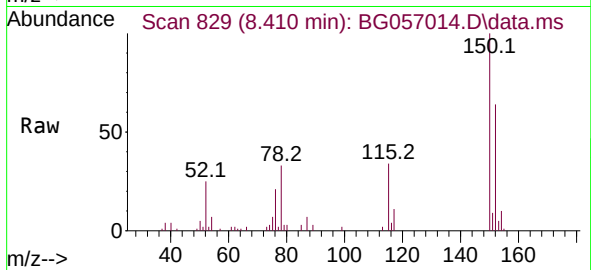
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.410 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

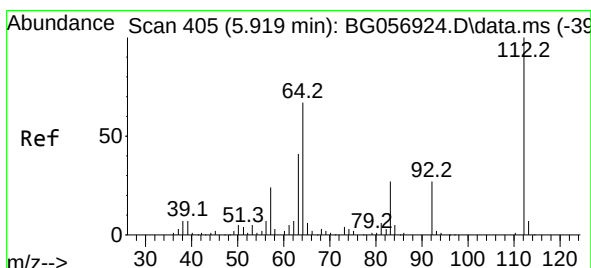
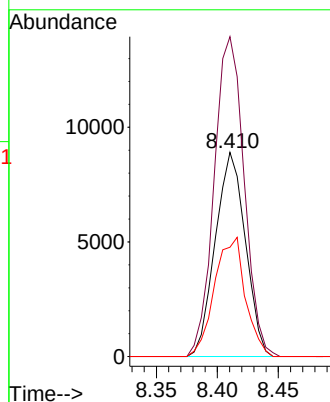
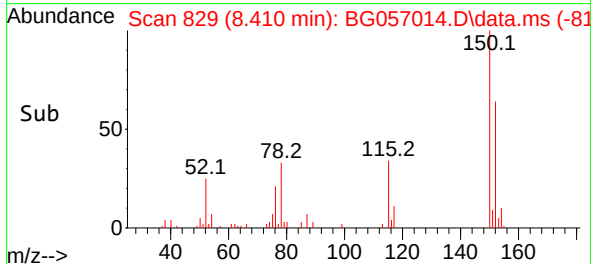
Instrument :
BNA_G
ClientSampleId :
72-11982



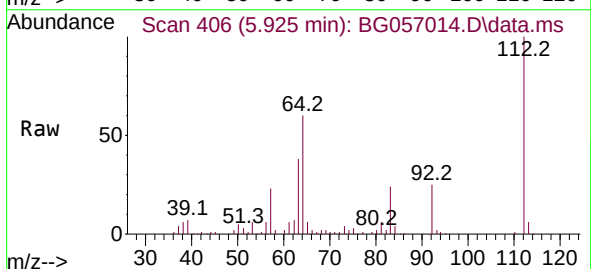
Tgt Ion:152 Resp: 1528
Ion Ratio Lower Upper
152 100
150 156.7 124.1 186.1
115 53.5 49.1 73.7

Manual Integrations
APPROVED

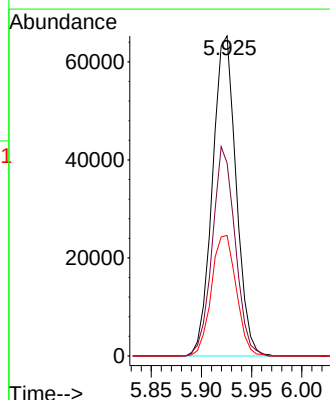
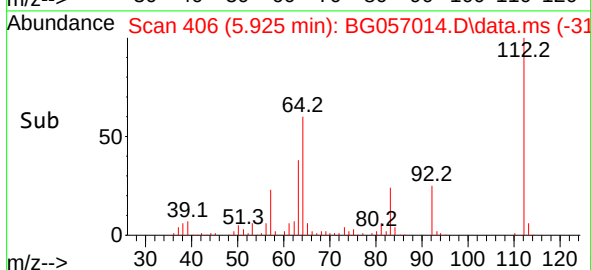
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

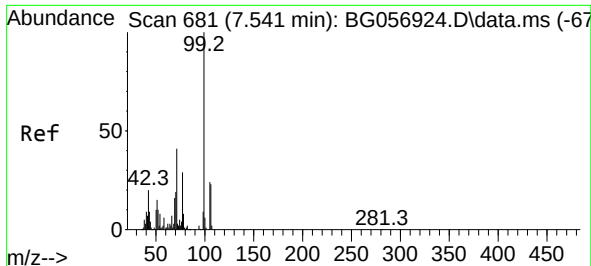


#5
2-Fluorophenol
Concen: 112.157 ng
RT: 5.925 min Scan# 406
Delta R.T. 0.009 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12



Tgt Ion:112 Resp: 107087
Ion Ratio Lower Upper
112 100
64 60.3 53.2 79.8
63 37.6 32.6 48.8





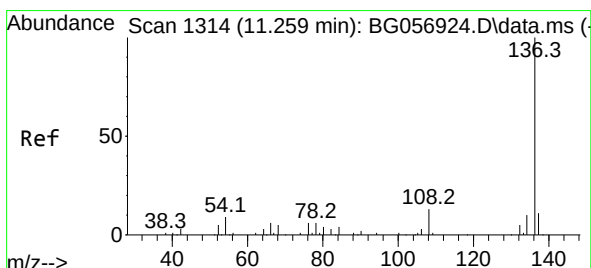
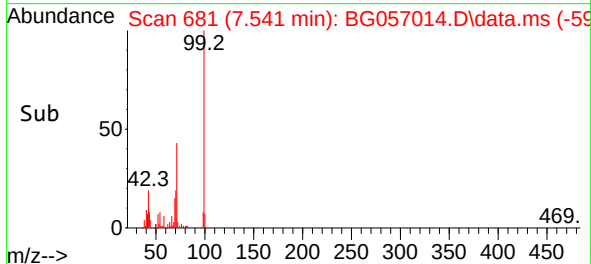
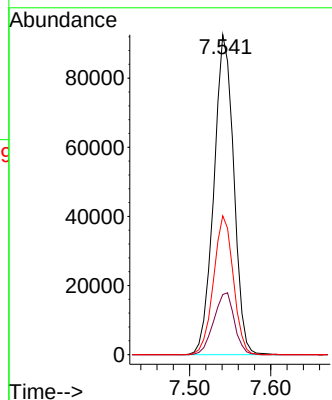
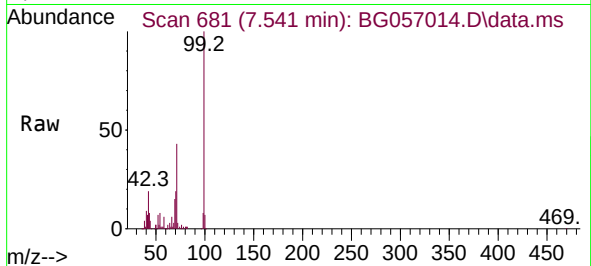
#7
Phenol-d6
Concen: 110.032 ng
RT: 7.541 min Scan# 681
Delta R.T. -0.003 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

Instrument :
BNA_G
ClientSampleId :
72-11982

Tgt Ion: 99 Resp: 15712
Ion Ratio Lower Upper
99 100
42 18.8 15.7 23.5
71 43.4 32.5 48.7

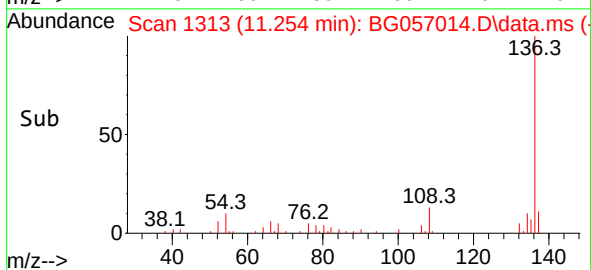
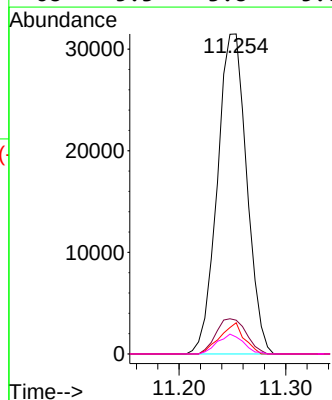
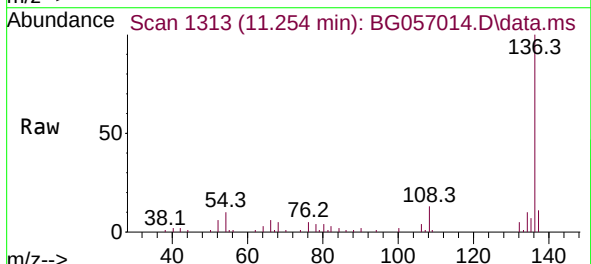
Manual Integrations
APPROVED

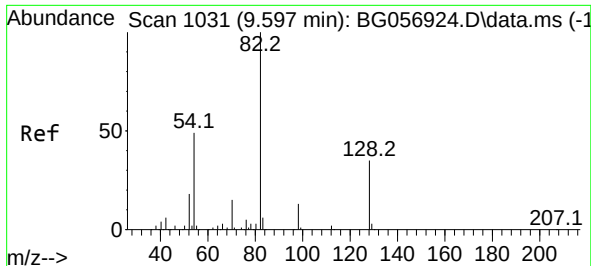
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.254 min Scan# 1313
Delta R.T. 0.003 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

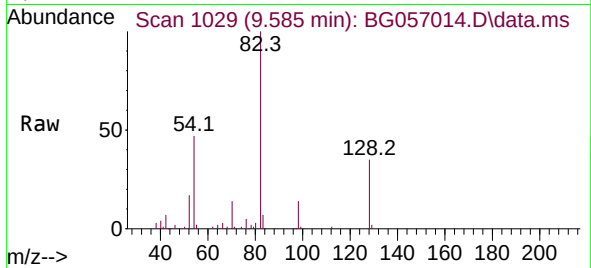
Tgt Ion:136 Resp: 60260
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 9.7 6.9 10.3
68 5.3 3.8 5.6





#23
Nitrobenzene-d5
Concen: 69.349 ng
RT: 9.585 min Scan# 1029
Delta R.T. -0.009 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

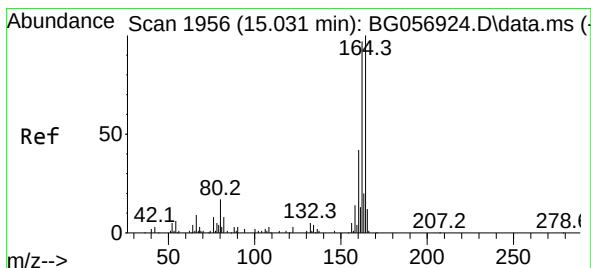
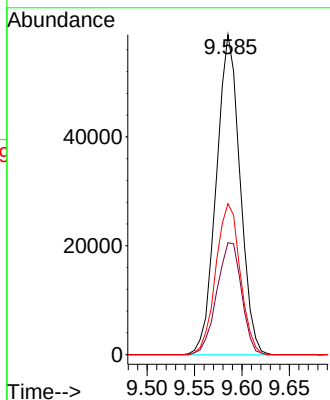
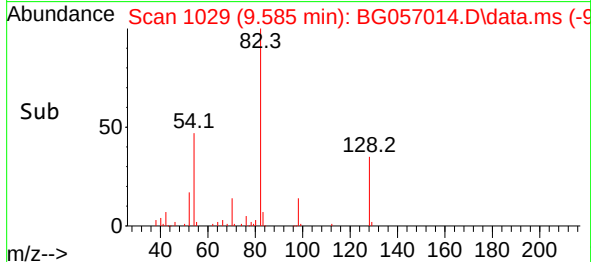
Instrument :
BNA_G
ClientSampleId :
72-11982



Tgt Ion: 82 Resp: 102132
Ion Ratio Lower Upper
82 100
128 35.0 27.9 41.9
54 47.2 39.4 59.2

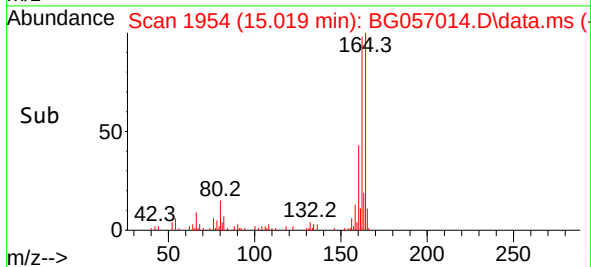
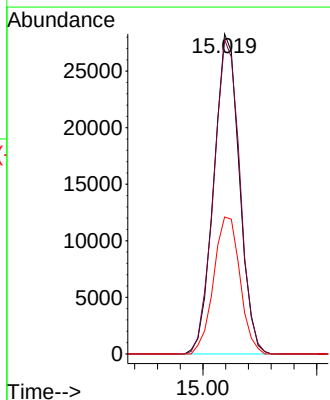
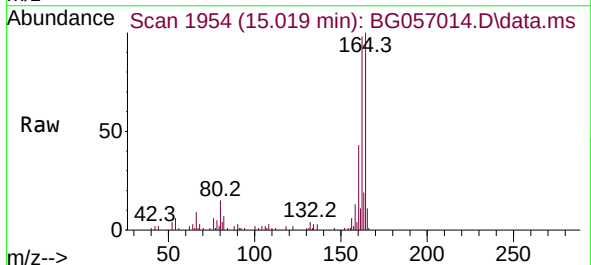
Manual Integrations
APPROVED

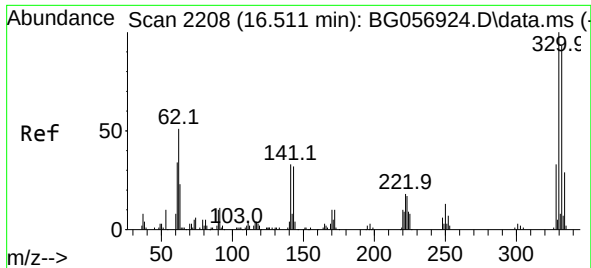
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.019 min Scan# 1954
Delta R.T. -0.009 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

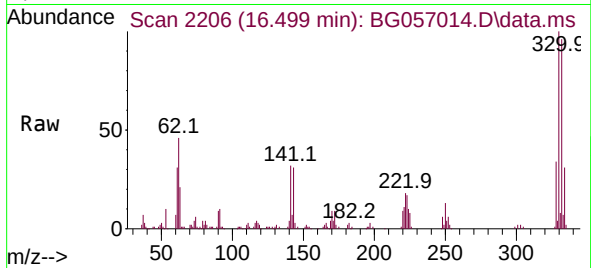
Tgt Ion:164 Resp: 44082
Ion Ratio Lower Upper
164 100
162 98.2 77.8 116.8
160 42.8 33.5 50.3





#42
2,4,6-Tribromophenol
Concen: 112.677 ng
RT: 16.499 min Scan# 2208
Delta R.T. -0.009 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

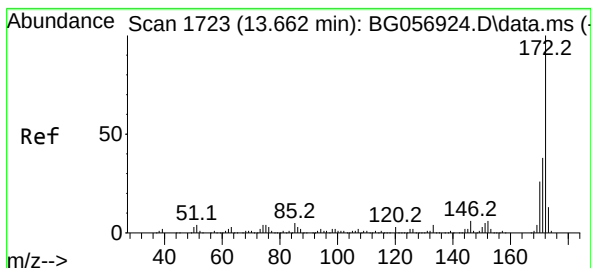
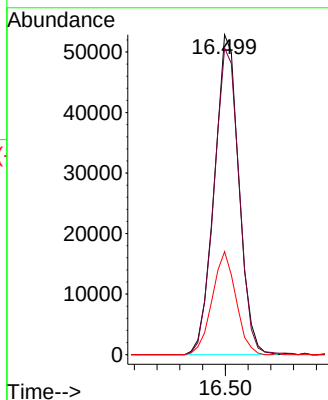
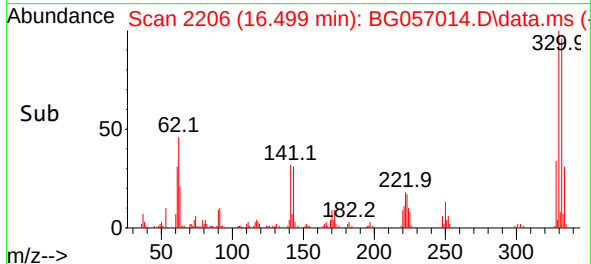
Instrument :
BNA_G
ClientSampleId :
72-11982



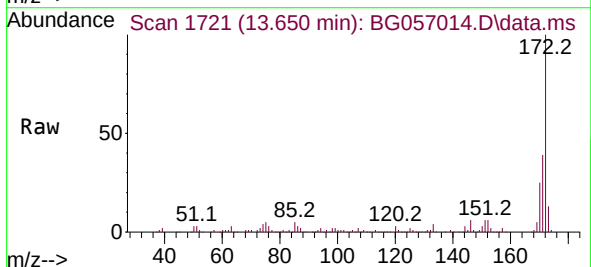
Tgt Ion: 330 Resp: 79350
Ion Ratio Lower Upper
330 100
332 97.8 76.1 114.1
141 31.0 25.8 38.6

Manual Integrations
APPROVED

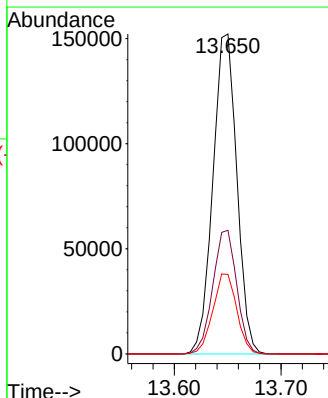
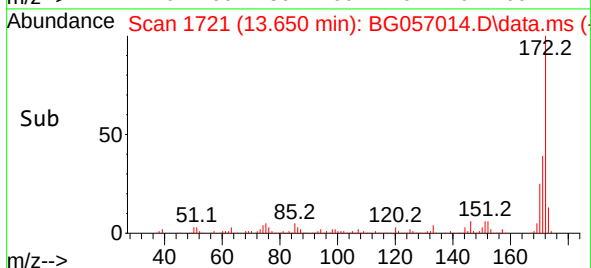
Reviewed By : Christian Giraldo 04/07/2023
Supervised By : Jagrut Upadhyay 04/07/2023

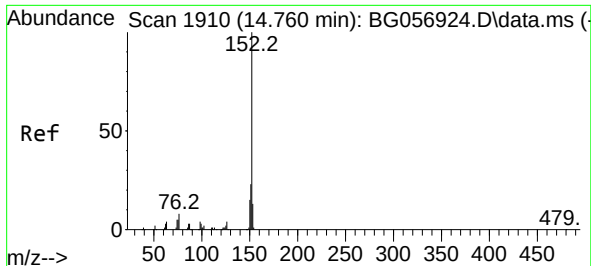


#45
2-Fluorobiphenyl
Concen: 73.079 ng
RT: 13.650 min Scan# 1721
Delta R.T. -0.003 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12



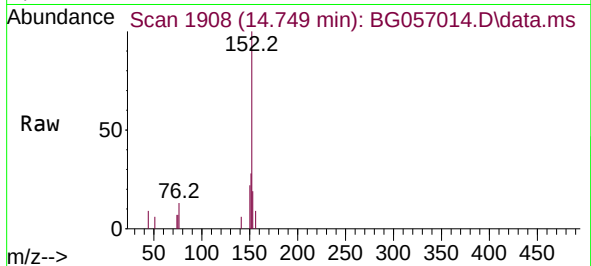
Tgt Ion: 172 Resp: 237568
Ion Ratio Lower Upper
172 100
171 38.6 30.6 46.0
170 24.8 20.6 30.8





#49
Acenaphthylene
Concen: 2.050 ng
RT: 14.749 min Scan# 1910
Delta R.T. -0.003 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

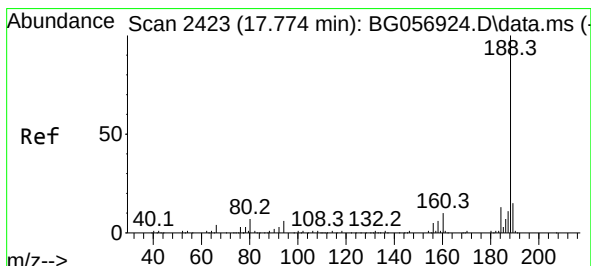
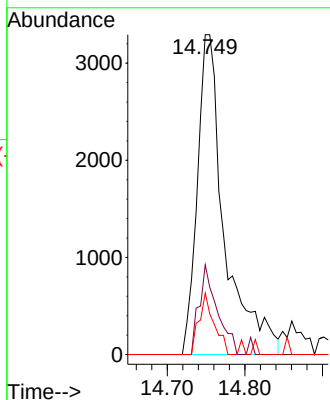
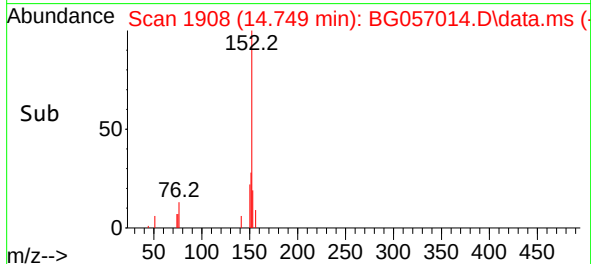
Instrument :
BNA_G
ClientSampleId :
72-11982



Tgt Ion:152 Resp: 803
Ion Ratio Lower Upper
152 100
151 28.1 18.2 27.2
153 19.2 10.5 15.7

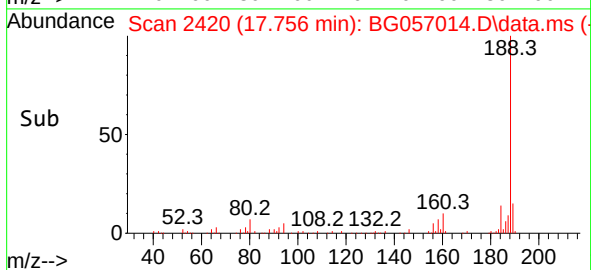
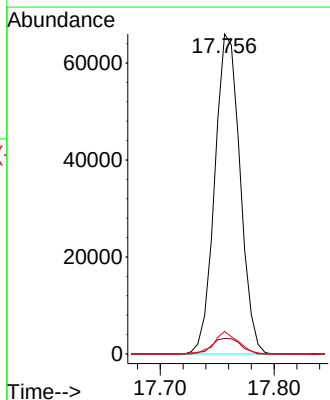
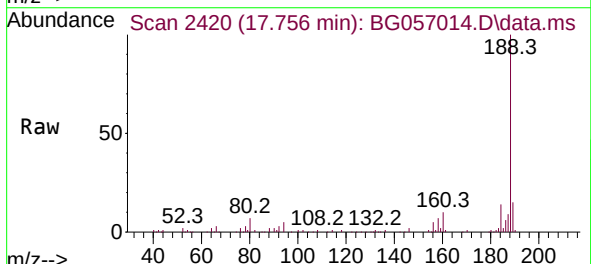
Manual Integrations
APPROVED

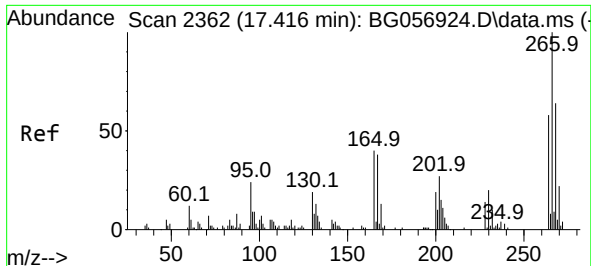
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.756 min Scan# 2420
Delta R.T. -0.009 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

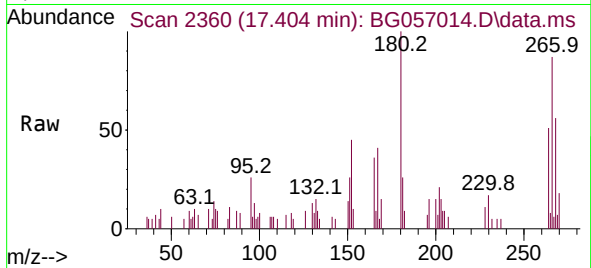
Tgt Ion:188 Resp: 101908
Ion Ratio Lower Upper
188 100
94 4.8 4.6 6.8
80 7.0 5.5 8.3





#70
 Pentachlorophenol
 Concen: 5.207 ng
 RT: 17.404 min Scan# 2418
 Delta R.T. -0.003 min
 Lab File: BG057014.D
 Acq: 6 Apr 2023 16:12

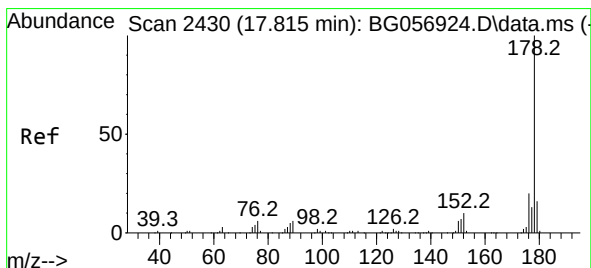
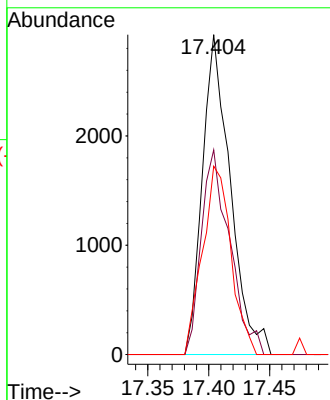
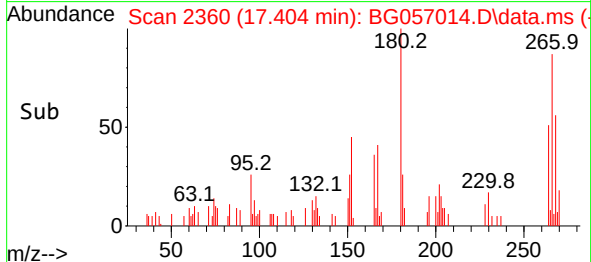
Instrument :
 BNA_G
 ClientSampleId :
 72-11982



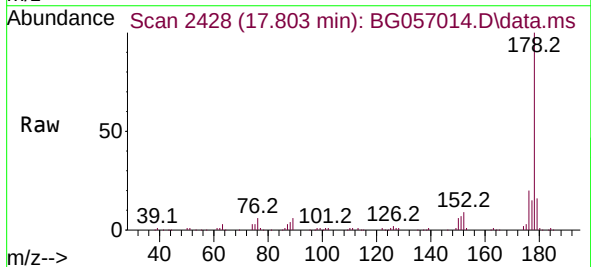
Tgt Ion:266 Resp: 4652
 Ion Ratio Lower Upper
 266 100
 268 64.0 51.0 76.6
 264 58.9 46.8 70.2

Manual Integrations
 APPROVED

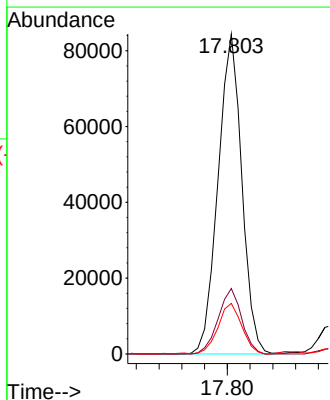
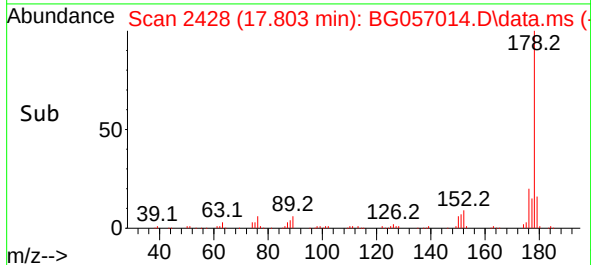
Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023

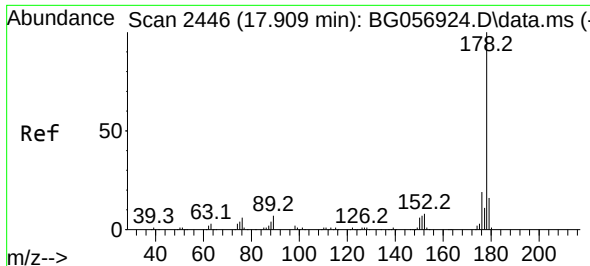


#71
 Phenanthrene
 Concen: 23.532 ng
 RT: 17.803 min Scan# 2428
 Delta R.T. -0.003 min
 Lab File: BG057014.D
 Acq: 6 Apr 2023 16:12



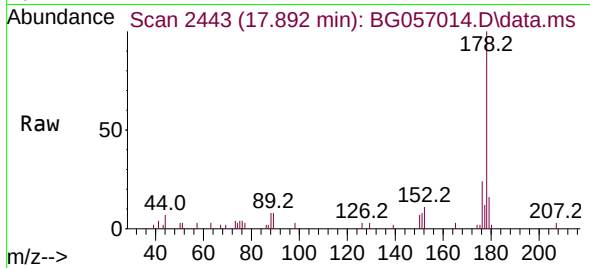
Tgt Ion:178 Resp: 122266
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.2 24.2
 179 15.8 12.5 18.7





#72
 Anthracene
 Concen: 2.263 ng m
 RT: 17.892 min Scan# 2446
 Delta R.T. -0.009 min
 Lab File: BG057014.D
 Acq: 6 Apr 2023 16:12

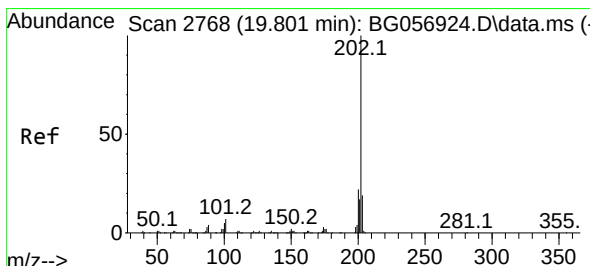
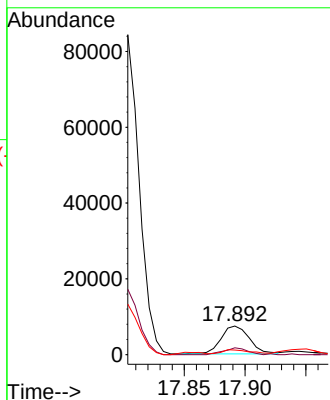
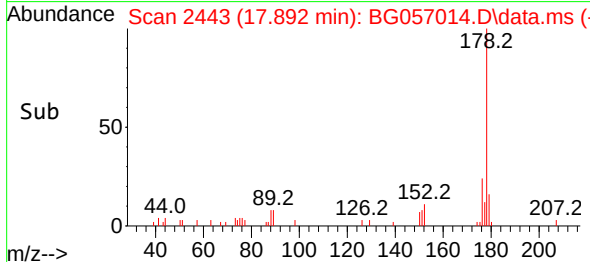
Instrument :
 BNA_G
 ClientSampleId :
 72-11982



Tgt Ion:178 Resp: 12052
 Ion Ratio Lower Upper
 178 100
 176 23.8 15.4 23.2
 179 16.1 12.4 18.6

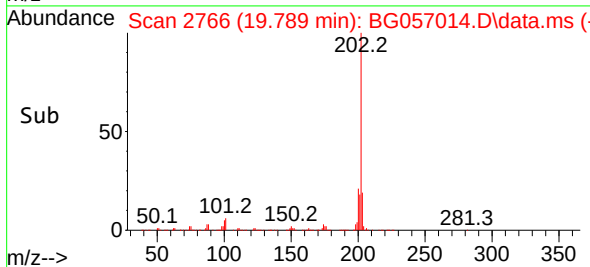
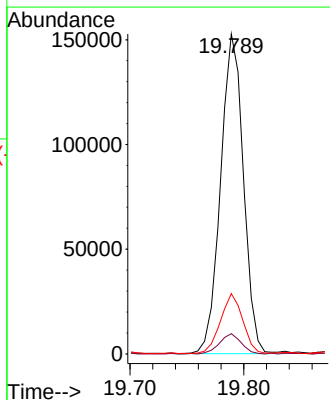
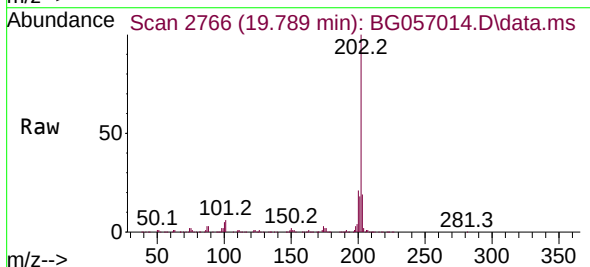
Manual Integrations
 APPROVED

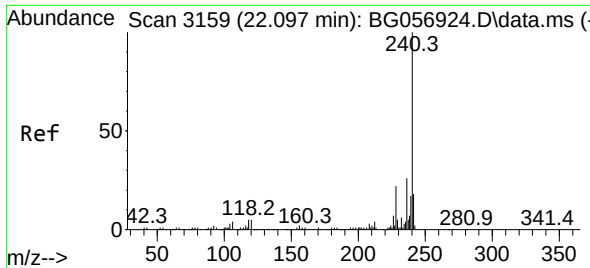
Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023



#75
 Fluoranthene
 Concen: 32.267 ng
 RT: 19.789 min Scan# 2766
 Delta R.T. -0.003 min
 Lab File: BG057014.D
 Acq: 6 Apr 2023 16:12

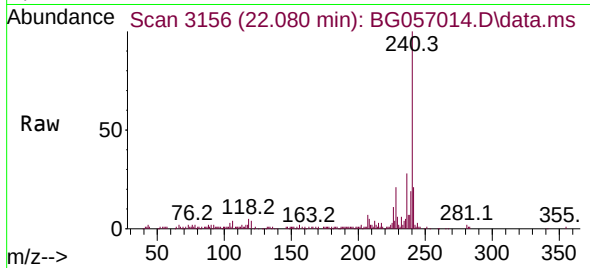
Tgt Ion:202 Resp: 212523
 Ion Ratio Lower Upper
 202 100
 101 6.3 0.0 26.7
 203 18.8 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.080 min Scan# 3159
Delta R.T. -0.009 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

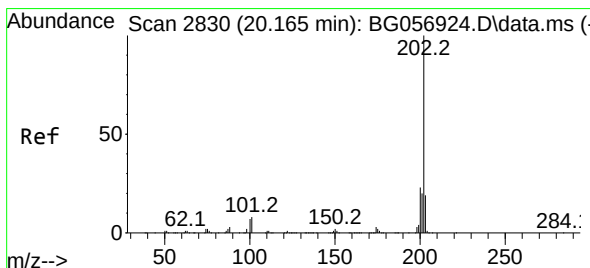
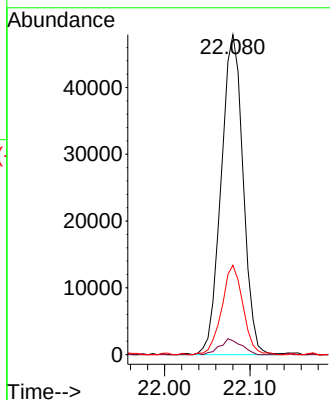
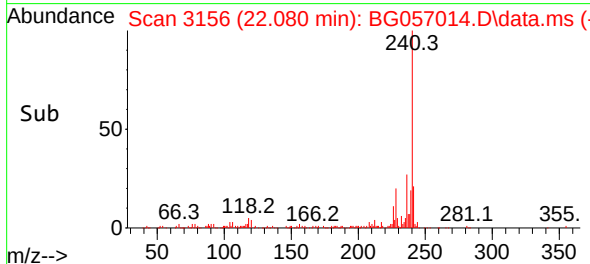
Instrument :
BNA_G
ClientSampleId :
72-11982



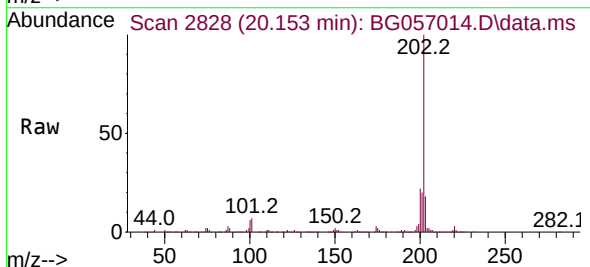
Tgt Ion:240 Resp: 85651
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.6
236 27.9 21.0 31.6

Manual Integrations
APPROVED

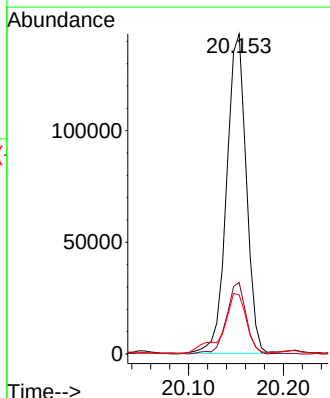
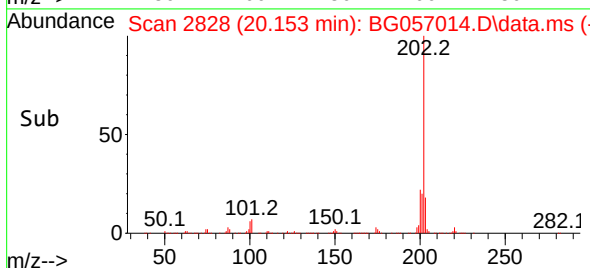
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

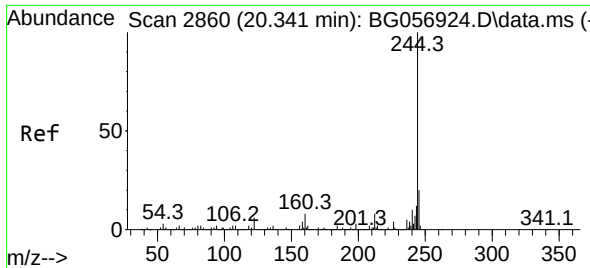


#78
Pyrene
Concen: 34.853 ng
RT: 20.153 min Scan# 2828
Delta R.T. 0.003 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12



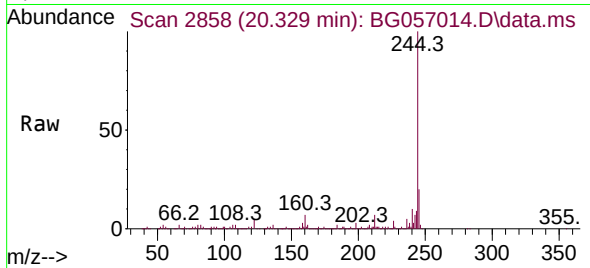
Tgt Ion:202 Resp: 206472
Ion Ratio Lower Upper
202 100
200 22.3 18.7 28.1
203 18.5 15.4 23.2





#79
 Terphenyl-d14
 Concen: 73.236 ng
 RT: 20.329 min Scan# 2860
 Delta R.T. -0.003 min
 Lab File: BG057014.D
 Acq: 6 Apr 2023 16:12

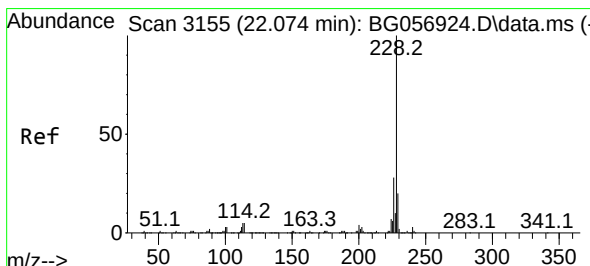
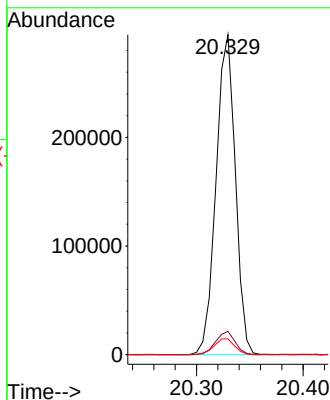
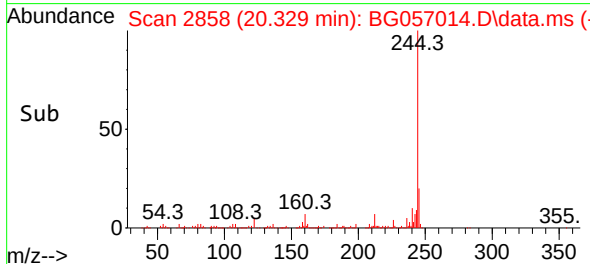
Instrument :
 BNA_G
 ClientSampleId :
 72-11982



Tgt Ion:244 Resp: 370693
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 5.0 5.0 7.4

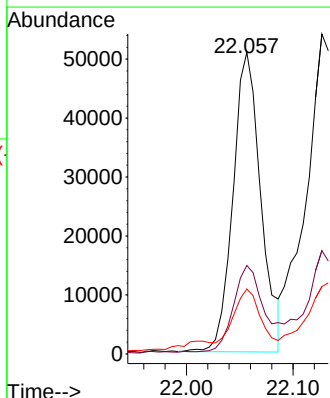
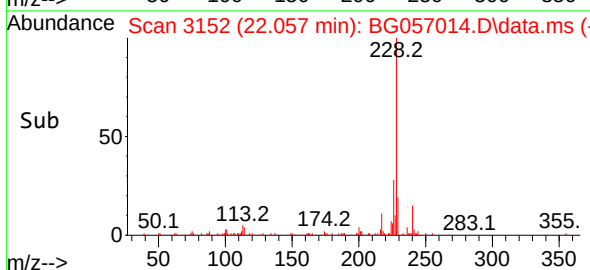
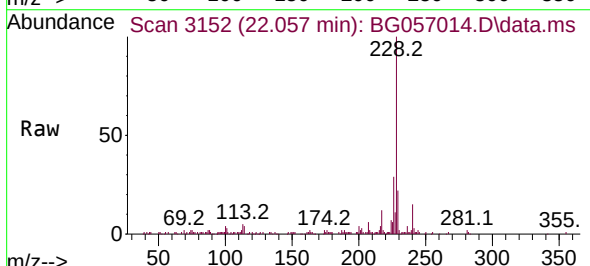
Manual Integrations
 APPROVED

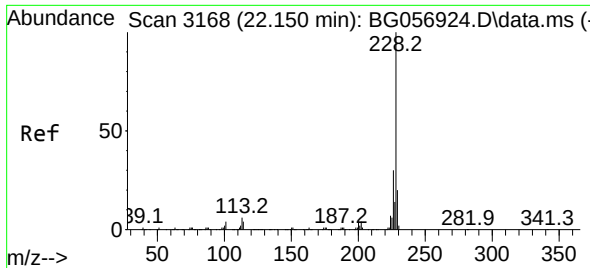
Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023



#81
 Benzo(a)anthracene
 Concen: 15.522 ng
 RT: 22.057 min Scan# 3152
 Delta R.T. -0.009 min
 Lab File: BG057014.D
 Acq: 6 Apr 2023 16:12

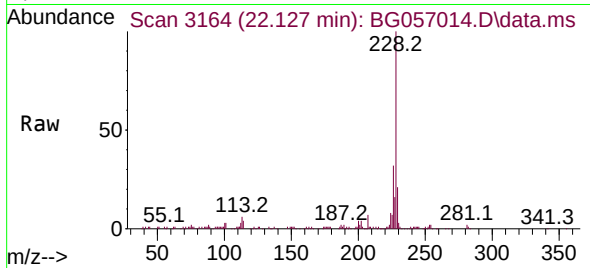
Tgt Ion:228 Resp: 91998
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.1 33.1
 229 21.5 16.1 24.1





#83
Chrysene
Concen: 20.018 ng
RT: 22.127 min Scan# 3168
Delta R.T. -0.009 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

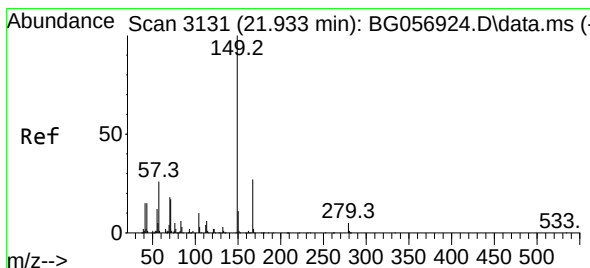
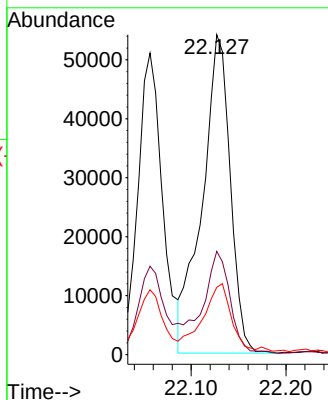
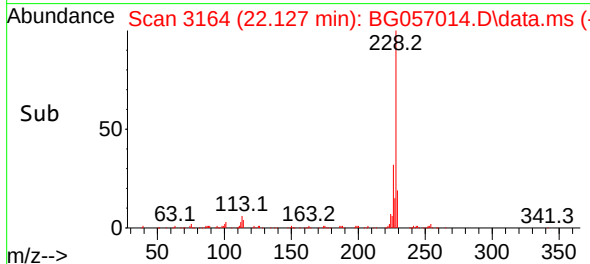
Instrument :
BNA_G
ClientSampleId :
72-11982



Tgt Ion:228 Resp: 111089
Ion Ratio Lower Upper
228 100
226 32.3 24.1 36.1
229 21.0 15.6 23.4

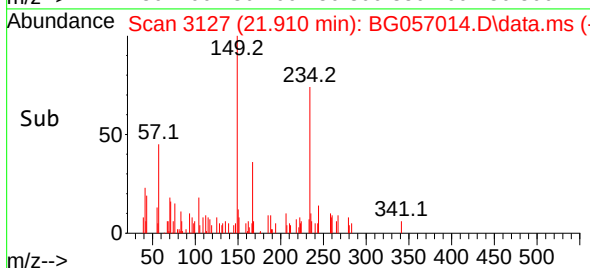
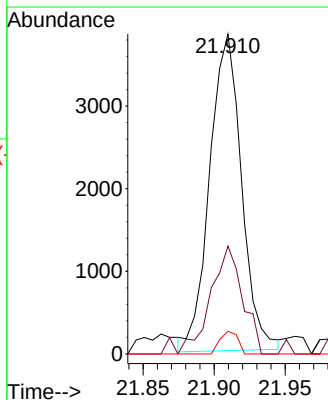
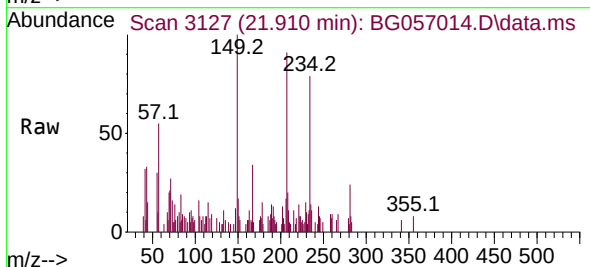
Manual Integrations
APPROVED

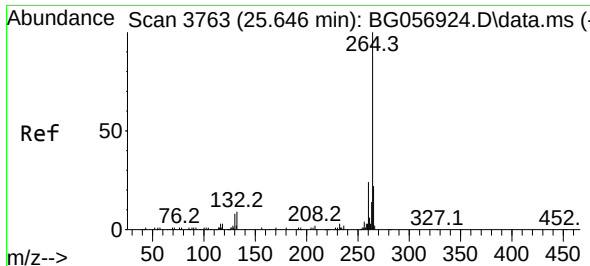
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.027 ng
RT: 21.910 min Scan# 3127
Delta R.T. -0.003 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

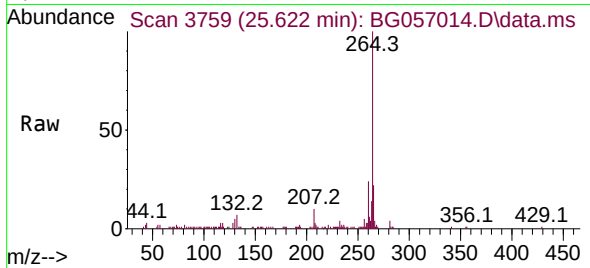
Tgt Ion:149 Resp: 5984
Ion Ratio Lower Upper
149 100
167 33.7 21.4 32.2#
279 7.1 3.9 5.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.622 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

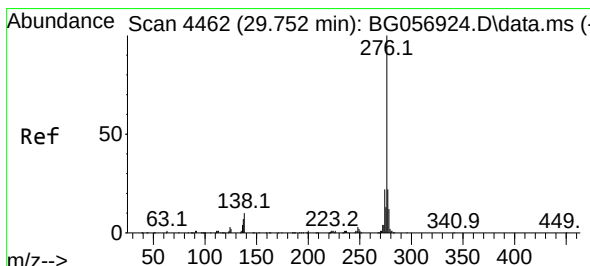
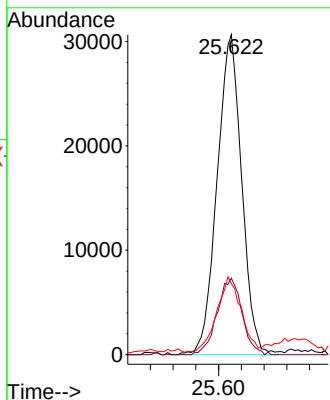
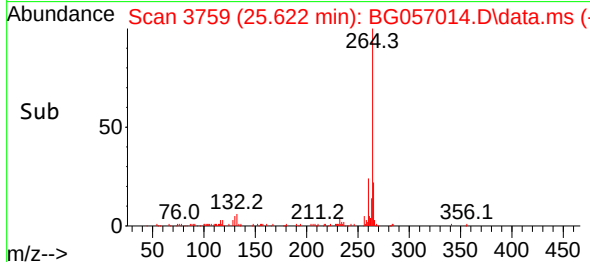
Instrument :
BNA_G
ClientSampleId :
72-11982



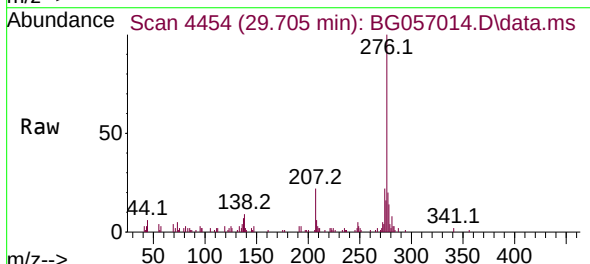
Tgt Ion:264 Resp: 92032
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 22.2 17.8 26.6

Manual Integrations
APPROVED

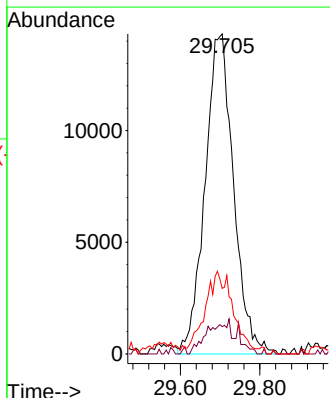
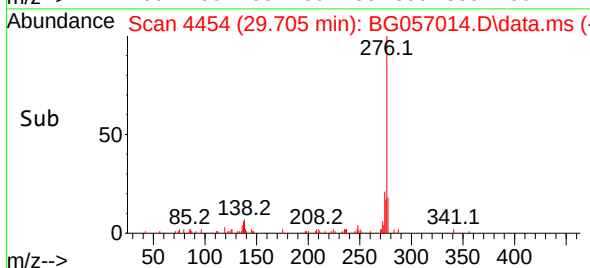
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

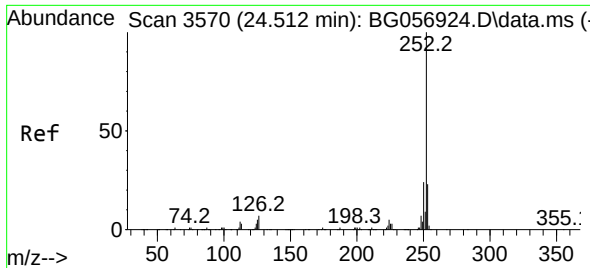


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.521 ng
RT: 29.705 min Scan# 4454
Delta R.T. -0.020 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12



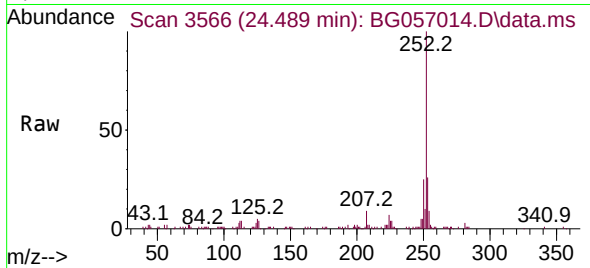
Tgt Ion:276 Resp: 71562
Ion Ratio Lower Upper
276 100
138 5.9 7.7 11.5#
277 26.0 21.0 31.4





#88
Benzo(b)fluoranthene
Concen: 22.580 ng
RT: 24.489 min Scan# 3566
Delta R.T. -0.003 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

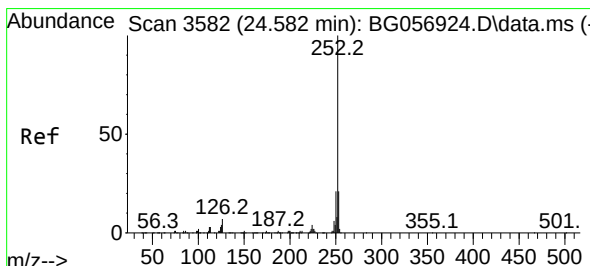
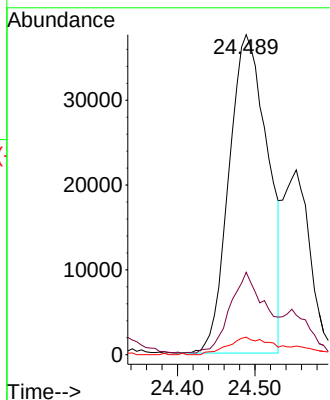
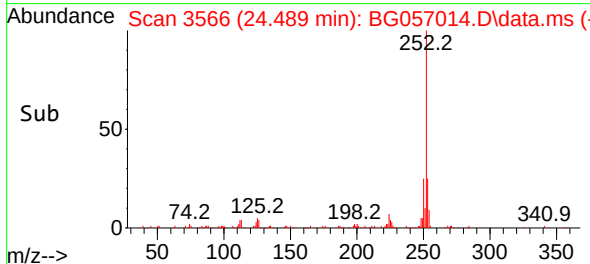
Instrument :
BNA_G
ClientSampleId :
72-11982



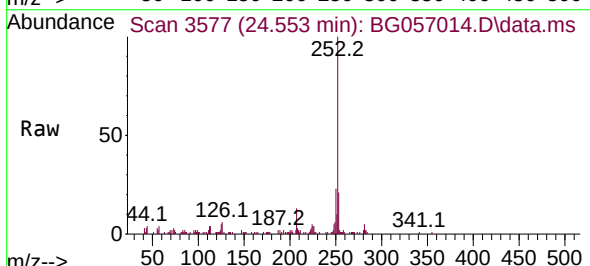
Tgt Ion:252 Resp: 129949
Ion Ratio Lower Upper
252 100
253 25.7 18.1 27.1
125 5.5 4.2 6.4

Manual Integrations
APPROVED

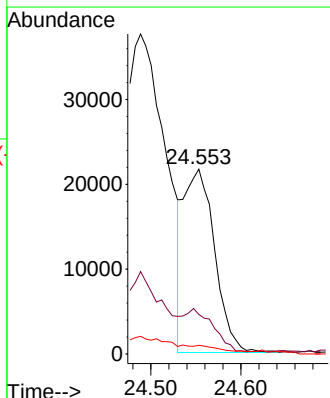
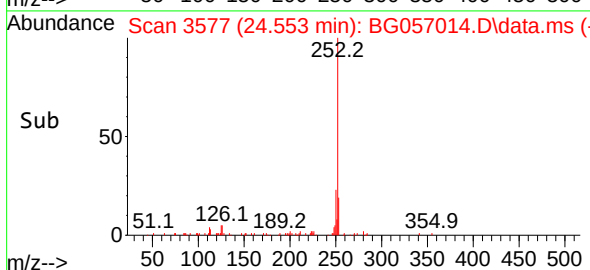
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

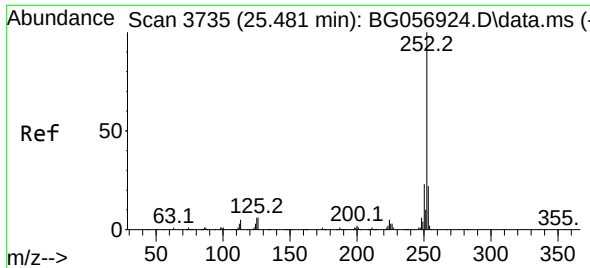


#89
Benzo(k)fluoranthene
Concen: 8.983 ng m
RT: 24.553 min Scan# 3577
Delta R.T. -0.015 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12



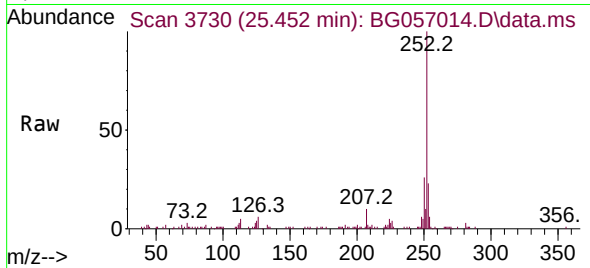
Tgt Ion:252 Resp: 51613
Ion Ratio Lower Upper
252 100
253 21.3 17.1 25.7
125 4.6 3.8 5.6





#90
Benzo(a)pyrene
Concen: 17.382 ng
RT: 25.452 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12

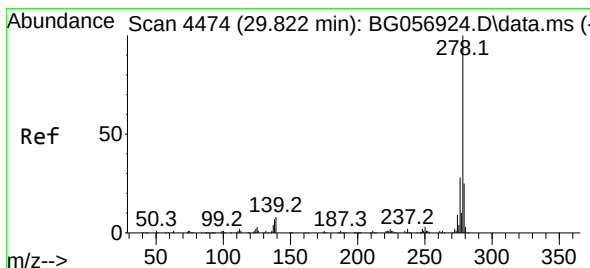
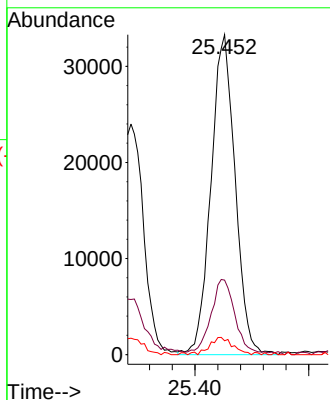
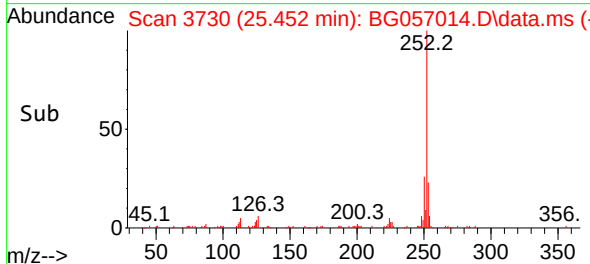
Instrument :
BNA_G
ClientSampleId :
72-11982



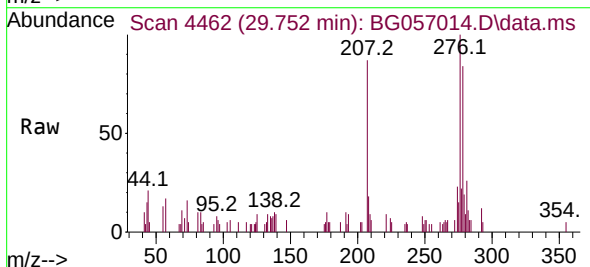
Tgt Ion:252 Resp: 98297
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 4.3 4.5 6.7

Manual Integrations
APPROVED

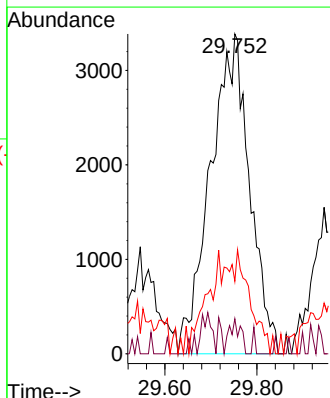
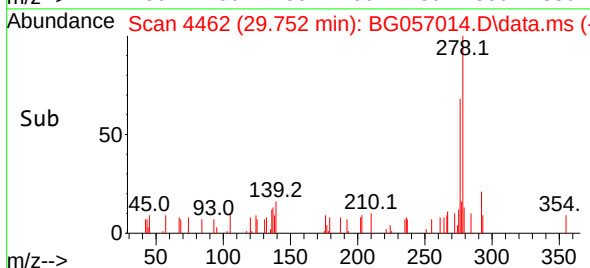
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

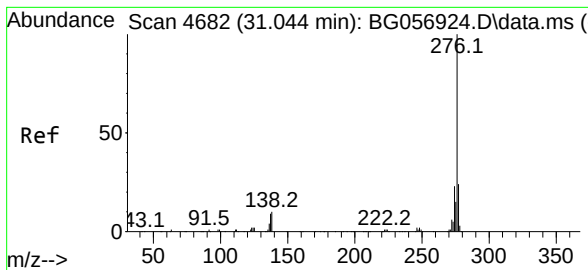


#91
Dibenzo(a,h)anthracene
Concen: 3.575 ng m
RT: 29.752 min Scan# 4462
Delta R.T. -0.038 min
Lab File: BG057014.D
Acq: 6 Apr 2023 16:12



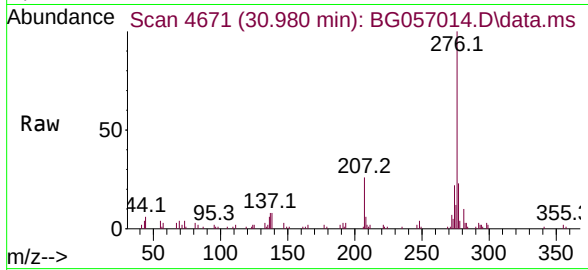
Tgt Ion:278 Resp: 19987
Ion Ratio Lower Upper
278 100
139 11.0 6.4 9.6#
279 22.7 20.2 30.2





#92
 Benzo(g,h,i)perylene
 Concen: 12.882 ng
 RT: 30.980 min Scan# 4671
 Delta R.T. -0.032 min
 Lab File: BG057014.D
 Acq: 6 Apr 2023 16:12

Instrument :
 BNA_G
 ClientSampleId :
 72-11982



Tgt Ion:276 Resp: 70521
 Ion Ratio Lower Upper
 276 100
 277 23.1 19.1 28.7
 138 7.9 8.2 12.2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023

