

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056051.D
 Acq On : 21 Dec 2022 16:42
 Operator : CG/JU
 Sample : N6037-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-22-(1-3)

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022

Quant Time: Dec 22 01:25:37 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	8.364	152	11132	20.000	ng	0.00
21) Naphthalene-d8	11.196	136	43734	20.000	ng	# 0.00
39) Acenaphthene-d10	14.968	164	36697	20.000	ng	0.00
64) Phenanthrene-d10	17.706	188	93696	20.000	ng	0.00
76) Chrysene-d12	22.007	240	93641	20.000	ng	0.00
86) Perylene-d12	25.497	264	114170	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.879	112	63538	133.855	ng	0.00
7) Phenol-d6	7.495	99	79767	130.659	ng	0.00
23) Nitrobenzene-d5	9.533	82	54924	87.763	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	105773	119.534	ng	0.00
45) 2-Fluorobiphenyl	13.599	172	195184	74.595	ng	0.00
79) Terphenyl-d14	20.280	244	374178	70.623	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.698	152	9375	2.906	ng	# 91
71) Phenanthrene	17.747	178	113733	23.163	ng	99
72) Anthracene	17.835	178	27514	5.664	ng	97
73) Carbazole	18.094	167	11477	2.865	ng	97
75) Fluoranthene	19.739	202	247837	36.045	ng	99
78) Pyrene	20.097	202	225325	39.766	ng	100
81) Benzo(a)anthracene	21.989	228	137445	20.859	ng	98
83) Chrysene	22.060	228	118053	19.116	ng	98
87) Indeno(1,2,3-cd)pyrene	29.516	276	98199	10.696	ng	# 98
88) Benzo(b)fluoranthene	24.387	252	185965	25.168	ng	99
89) Benzo(k)fluoranthene	24.451	252	60542m	8.212	ng	
90) Benzo(a)pyrene	25.332	252	147269	23.579	ng	97
91) Dibenzo(a,h)anthracene	29.575	278	24780m	3.225	ng	
92) Benzo(g,h,i)perylene	30.773	276	103408	13.918	ng	# 98

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

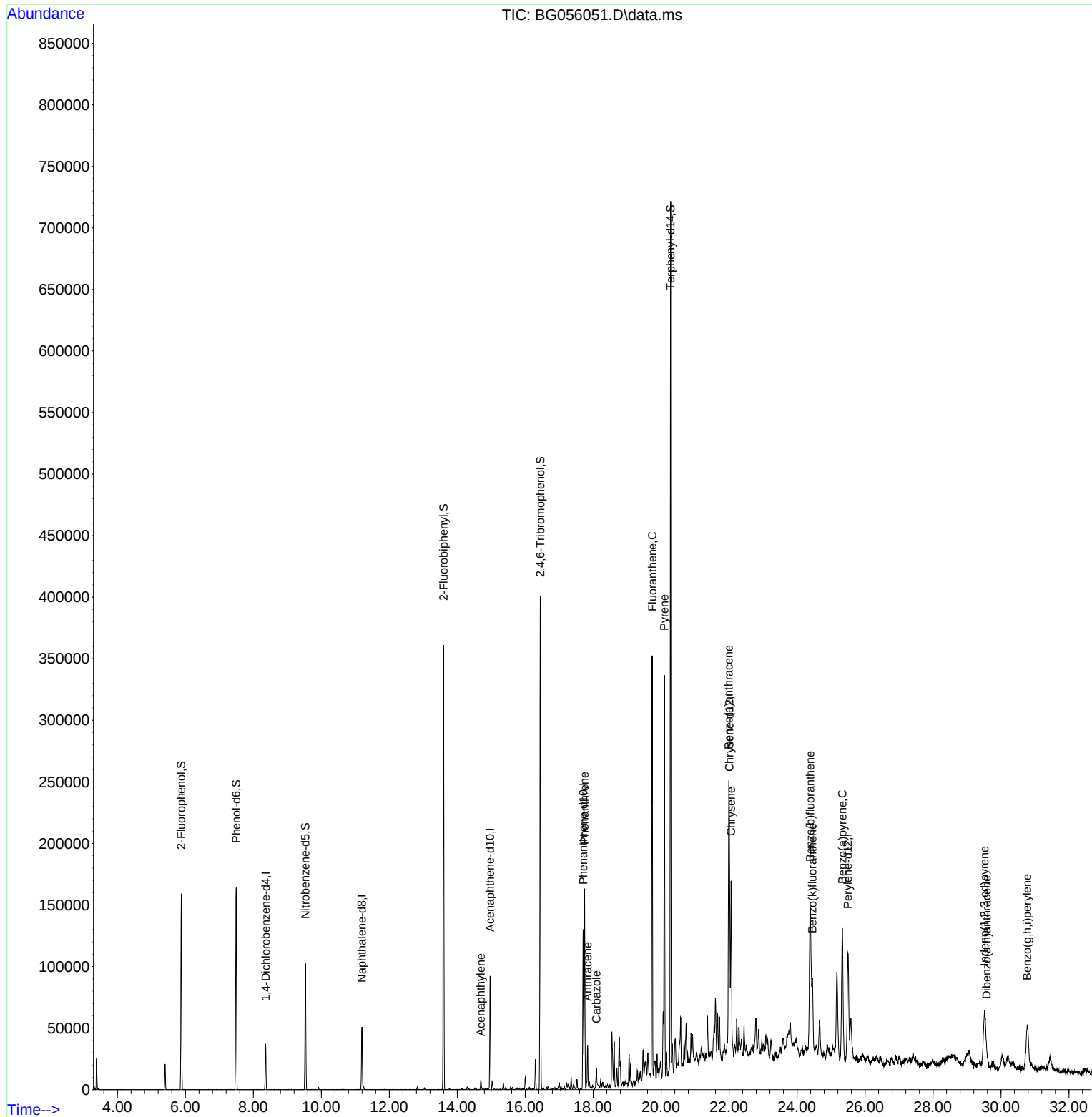
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056051.D
Acq On : 21 Dec 2022 16:42
Operator : CG/JU
Sample : N6037-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

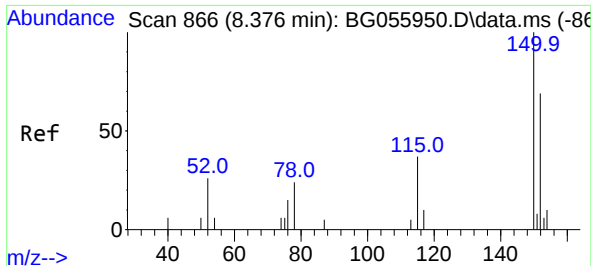
Instrument :
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ClientSampleId :
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Quant Time: Dec 22 01:25:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 01:11:10 2022
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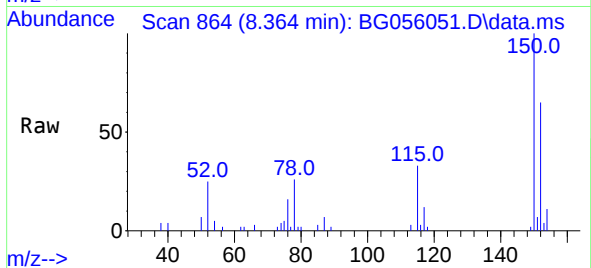
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.364 min Scan# 80
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

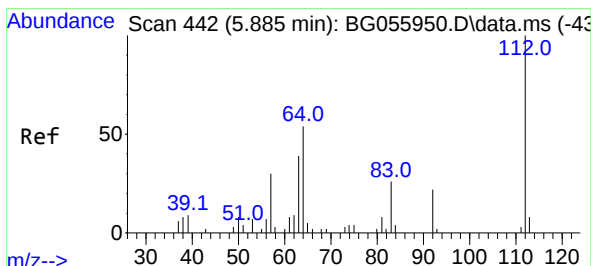
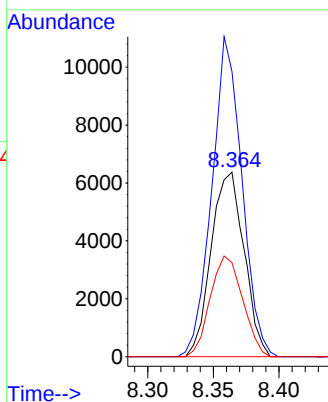
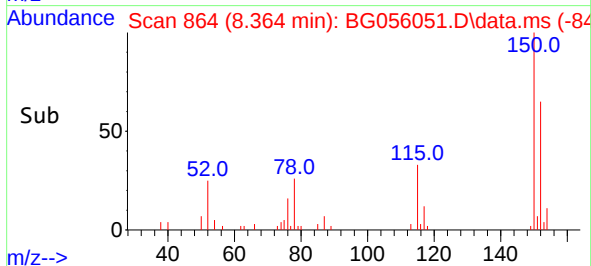
Instrument :
BNA_G
ClientSampleId :
RB-22-(1-3)



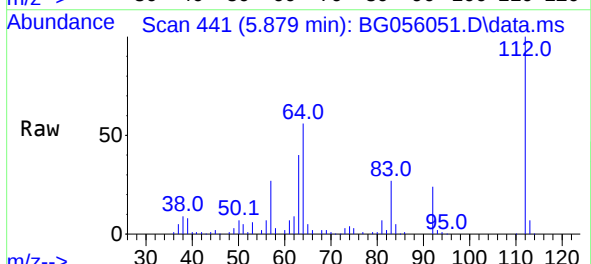
Tgt Ion:152 Resp: 1113
Ion Ratio Lower Upper
152 100
150 154.6 115.7 173.5
115 51.0 43.0 64.4

Manual Integrations
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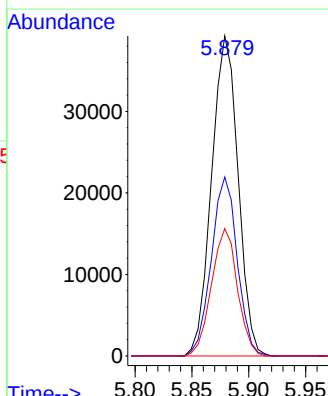
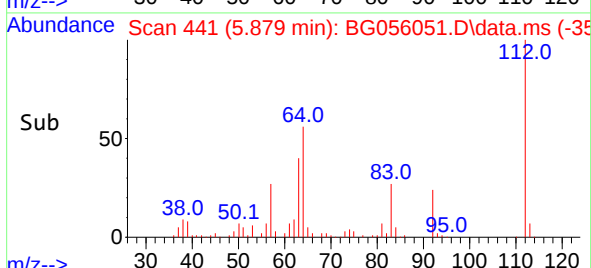
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

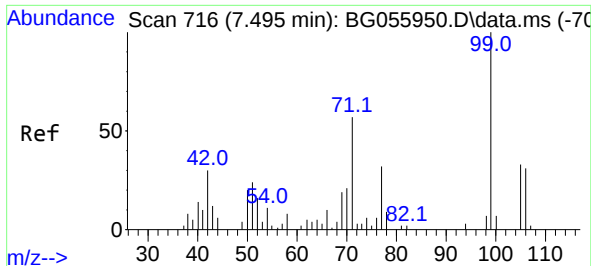


#5
2-Fluorophenol
Concen: 133.855 ng
RT: 5.879 min Scan# 441
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42



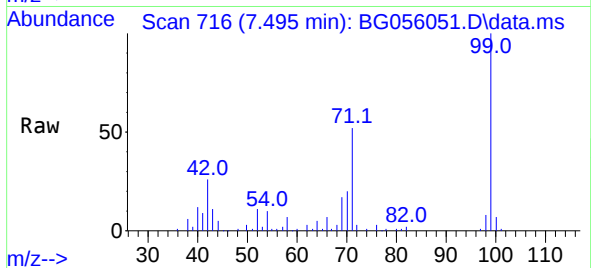
Tgt Ion:112 Resp: 63538
Ion Ratio Lower Upper
112 100
64 55.9 43.0 64.4
63 39.8 31.4 47.2





#7
Phenol-d6
Concen: 130.659 ng
RT: 7.495 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

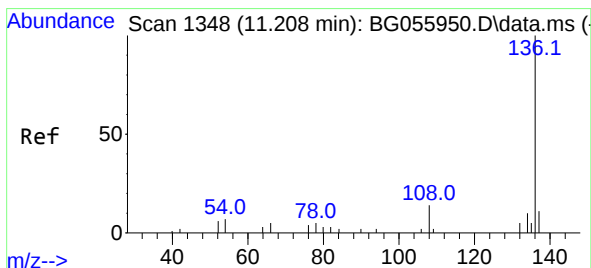
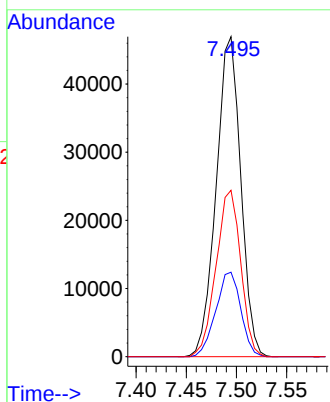
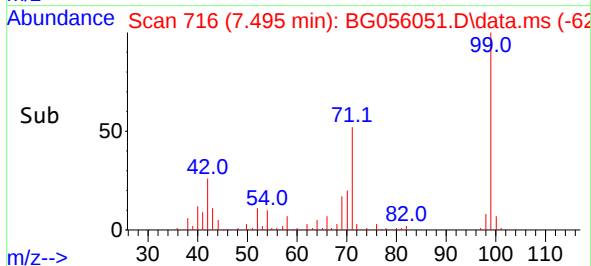
Instrument :
BNA_G
ClientSampleId :
RB-22-(1-3)



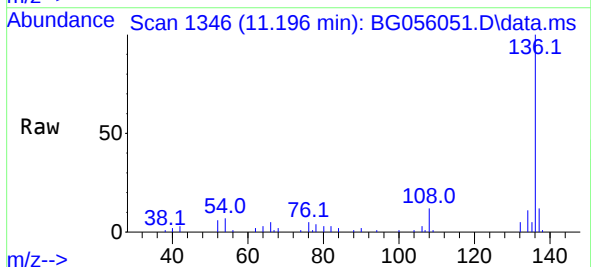
Tgt Ion: 99	Resp: 7976
Ion Ratio	Lower Upper
99 100	
42 26.4	24.3 36.5
71 52.0	45.6 68.4

Manual Integrations
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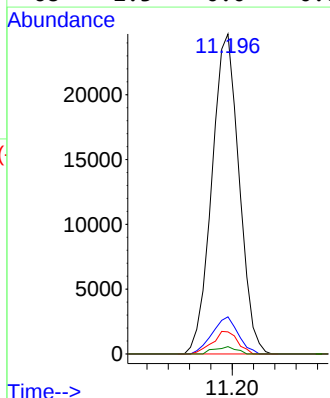
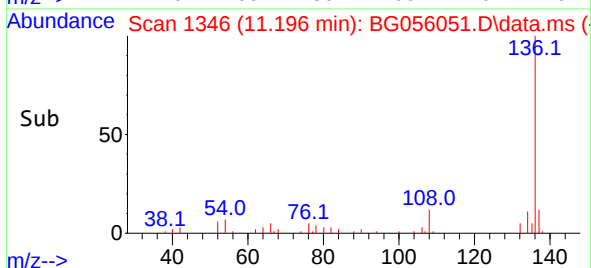
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

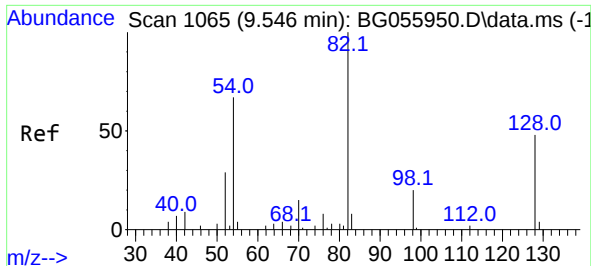


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.196 min Scan# 1346
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42



Tgt	Ion:136	Resp:	43734
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	6.9	5.6	8.4
68	2.3	0.0	0.0#





#23
Nitrobenzene-d5
Concen: 87.763 ng
RT: 9.533 min Scan# 1063
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

Instrument :

BNA_G

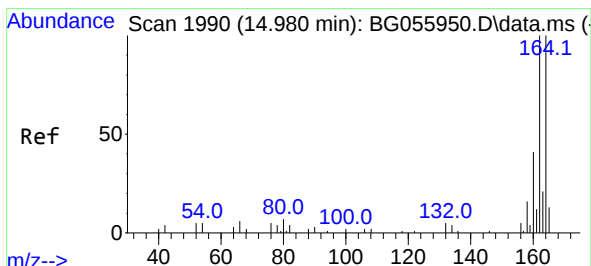
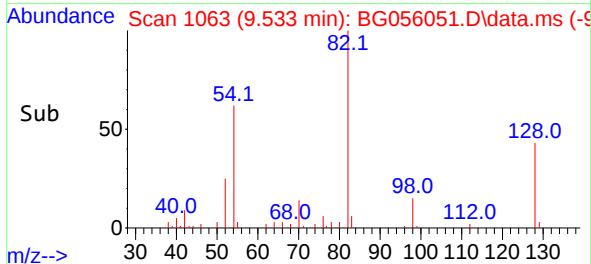
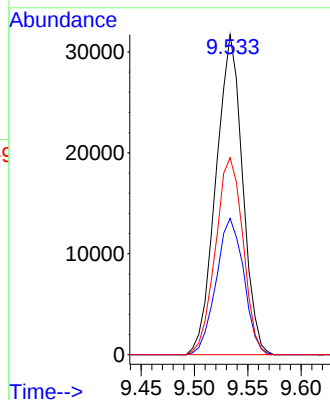
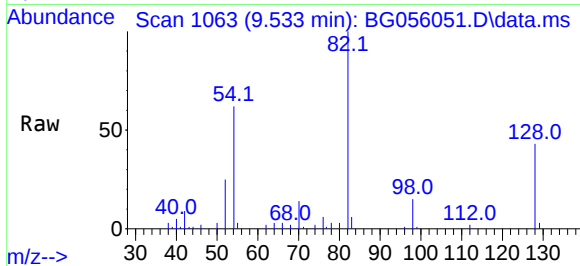
ClientSampleId :

RB-22-(1-3)

Tgt Ion: 82 Resp: 54924
Ion Ratio Lower Upper
82 100
128 42.6 38.4 57.6
54 61.6 53.3 79.9

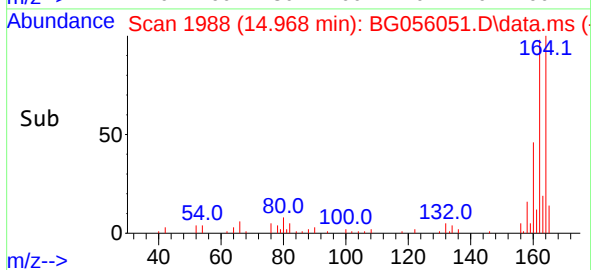
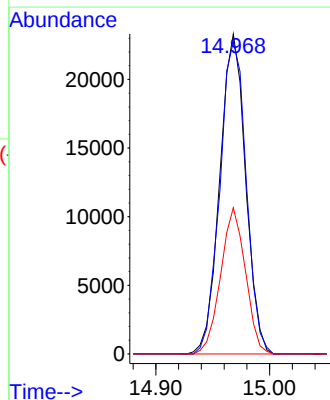
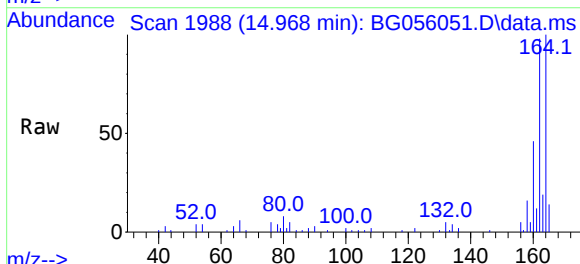
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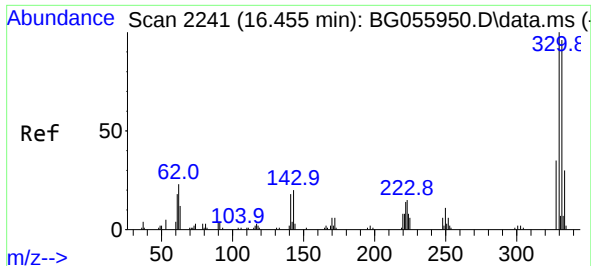
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1988
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

Tgt Ion:164 Resp: 36697
Ion Ratio Lower Upper
164 100
162 97.6 79.8 119.8
160 45.7 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 119.534 ng
RT: 16.449 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

Instrument :

BNA_G

ClientSampleId :

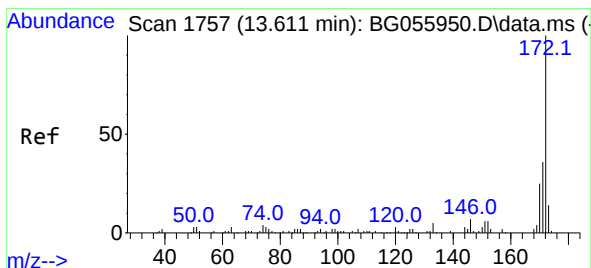
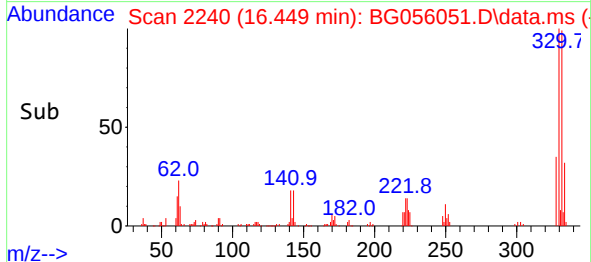
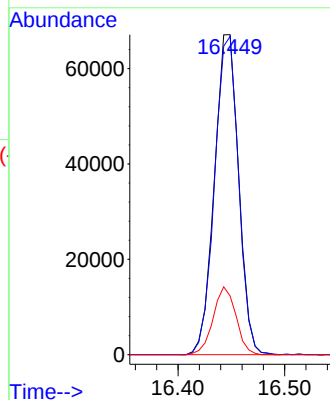
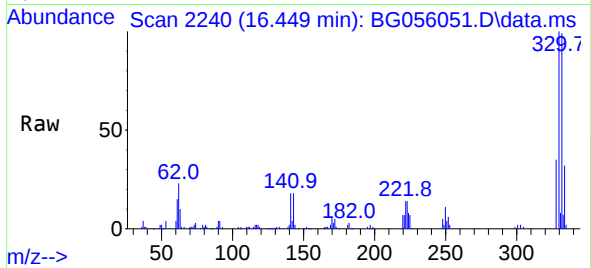
RB-22-(1-3)

Tgt Ion:330 Resp: 10577
Ion Ratio Lower Upper
330 100
332 98.1 76.6 114.8
141 19.9 15.0 22.4

Manual Integrations

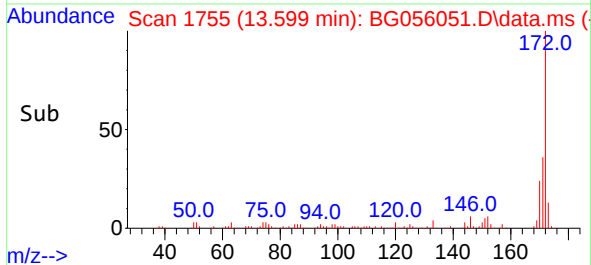
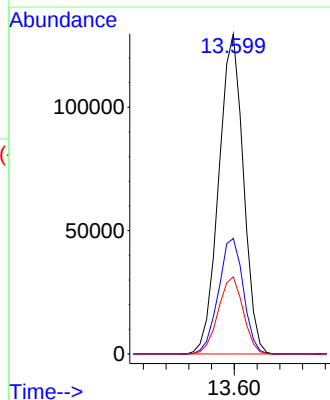
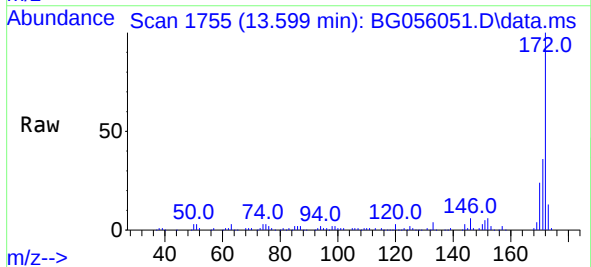
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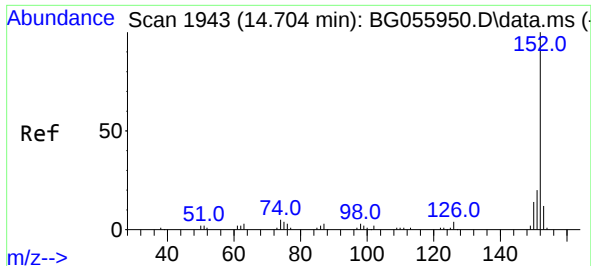
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#45
2-Fluorobiphenyl
Concen: 74.595 ng
RT: 13.599 min Scan# 1755
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

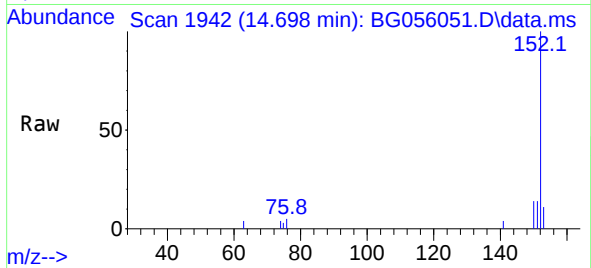
Tgt Ion:172 Resp: 195184
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 24.1 19.9 29.9





#49
Acenaphthylene
Concen: 2.906 ng
RT: 14.698 min Scan# 1943
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

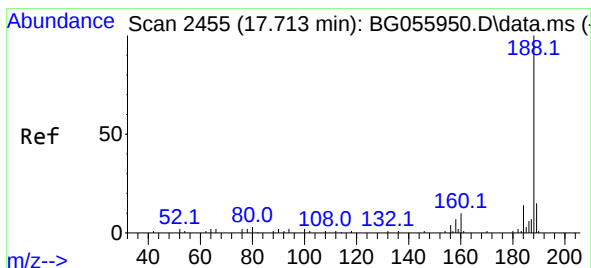
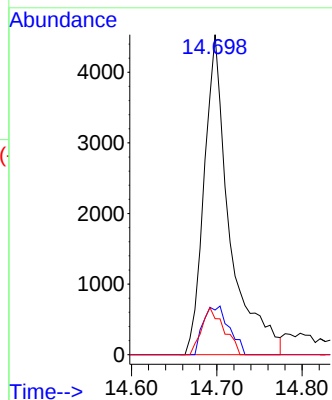
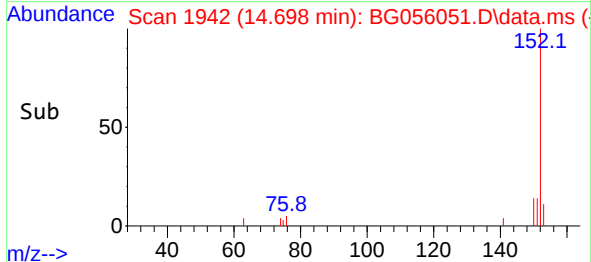
Instrument :
BNA_G
ClientSampleId :
RB-22-(1-3)



Tgt Ion:152 Resp: 9375
Ion Ratio Lower Upper
152 100
151 14.0 15.8 23.8
153 11.3 10.0 15.0

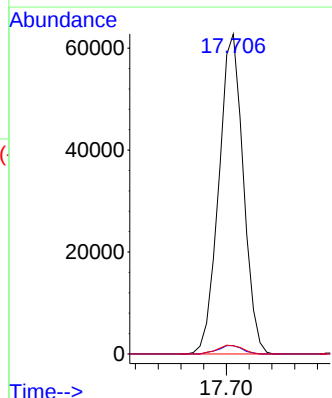
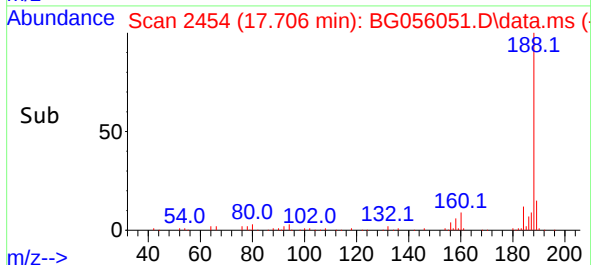
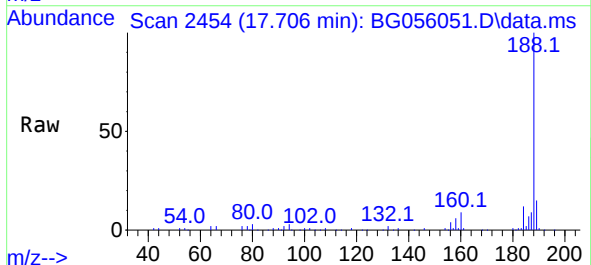
Manual Integrations
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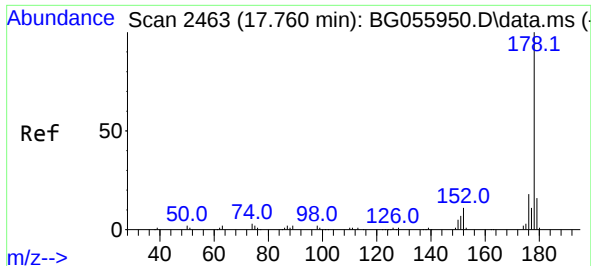
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.706 min Scan# 2454
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

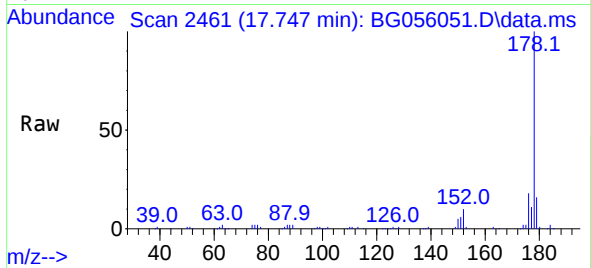
Tgt Ion:188 Resp: 93696
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.5 2.4 3.6





#71
Phenanthrene
Concen: 23.163 ng
RT: 17.747 min Scan# 2461
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

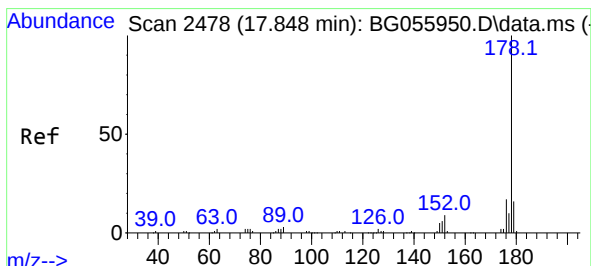
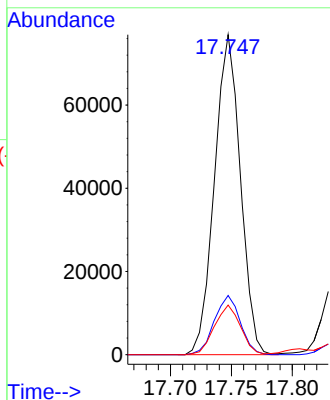
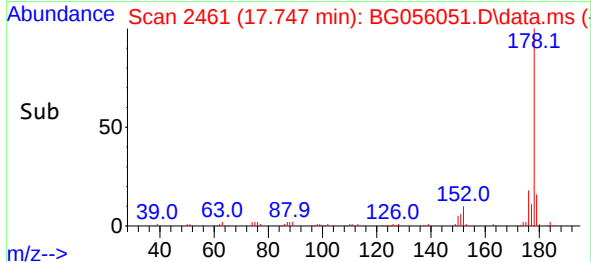
Instrument :
BNA_G
ClientSampleId :
RB-22-(1-3)



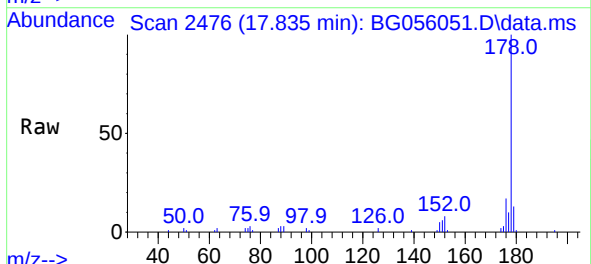
Tgt Ion:178 Resp: 11373
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.5 12.7 19.1

Manual Integrations
APPROVED

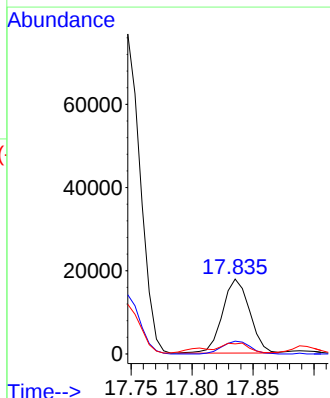
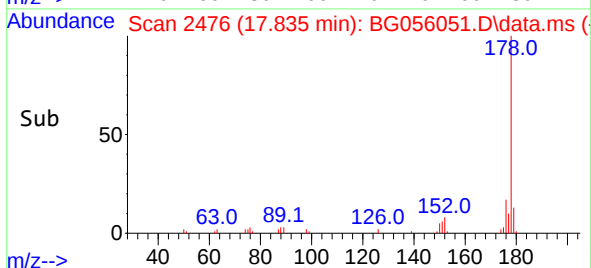
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

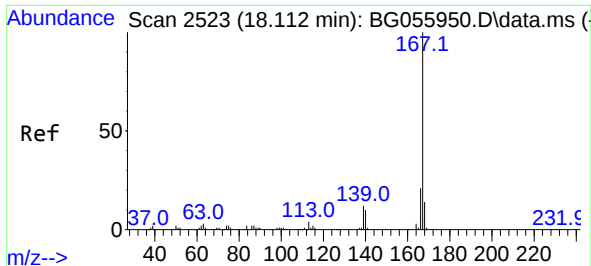


#72
Anthracene
Concen: 5.664 ng
RT: 17.835 min Scan# 2476
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42



Tgt Ion:178 Resp: 27514
Ion Ratio Lower Upper
178 100
176 17.2 13.9 20.9
179 13.5 12.7 19.1





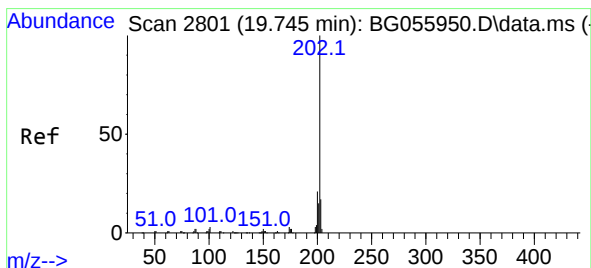
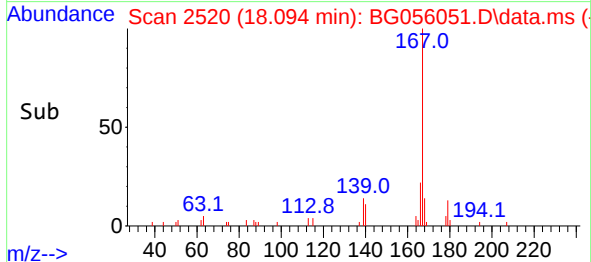
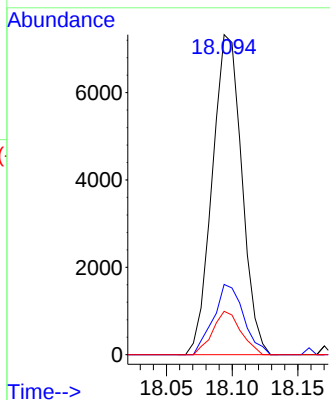
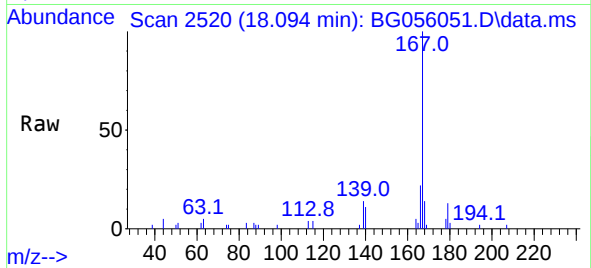
#73
 Carbazole
 Concen: 2.865 ng
 RT: 18.094 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

Instrument :
 BNA_G
 ClientSampleId :
 RB-22-(1-3)

Tgt Ion:167 Resp: 1147
 Ion Ratio Lower Upper
 167 100
 166 22.0 16.6 25.0
 139 13.5 9.7 14.5

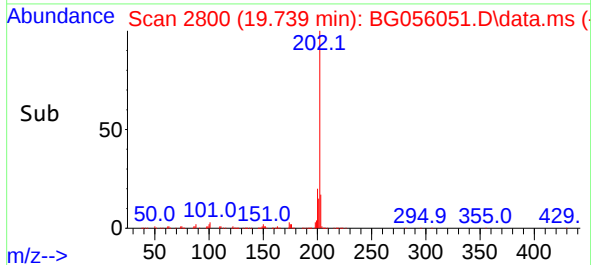
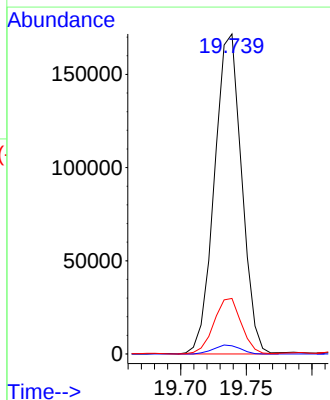
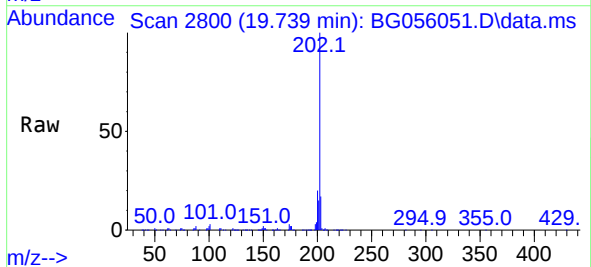
Manual Integrations
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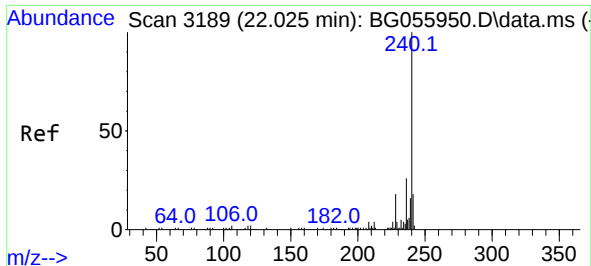
Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022



#75
 Fluoranthene
 Concen: 36.045 ng
 RT: 19.739 min Scan# 2800
 Delta R.T. -0.001 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

Tgt Ion:202 Resp: 247837
 Ion Ratio Lower Upper
 202 100
 101 2.6 0.0 22.6
 203 17.4 0.0 37.1





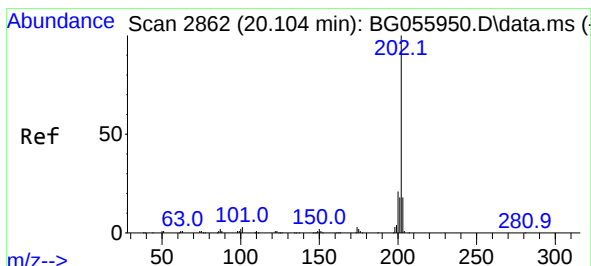
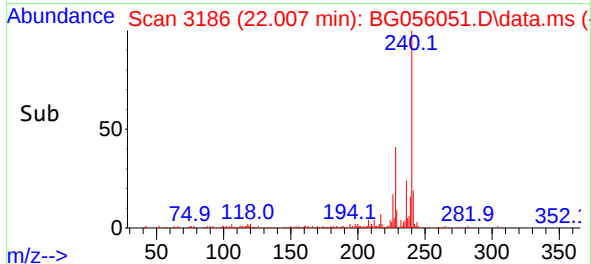
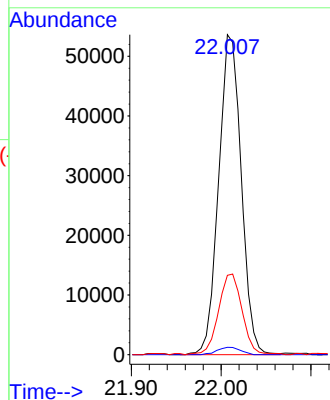
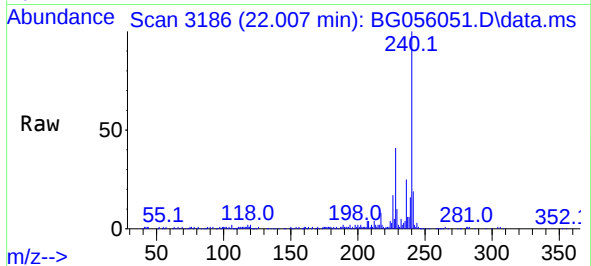
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.007 min Scan# 3189
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

Instrument :
BNA_G
ClientSampleId :
RB-22-(1-3)

Tgt Ion:240 Resp: 9364
Ion Ratio Lower Upper
240 100
120 2.3 1.7 2.5
236 24.8 21.1 31.7

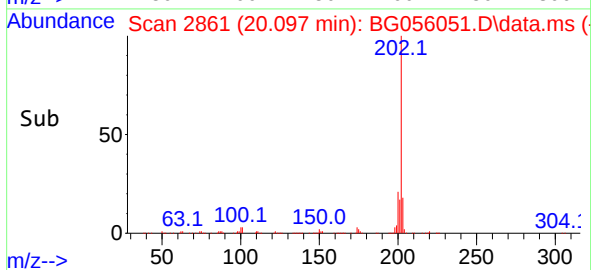
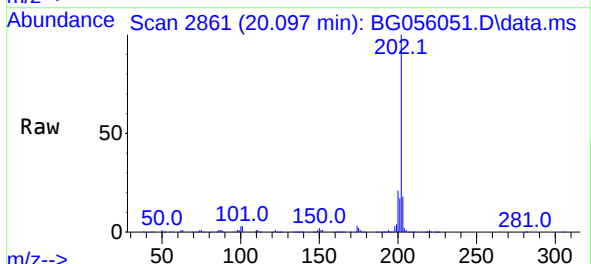
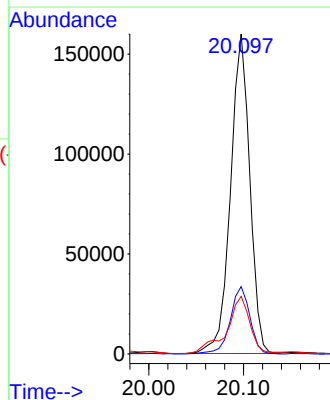
Manual Integrations
APPROVED

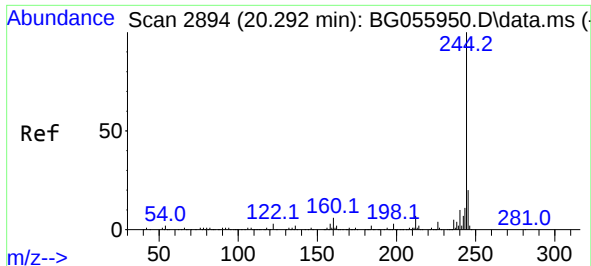
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#78
Pyrene
Concen: 39.766 ng
RT: 20.097 min Scan# 2861
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

Tgt Ion:202 Resp: 225325
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 18.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 70.623 ng
 RT: 20.280 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

Instrument :

BNA_G

ClientSampleId :

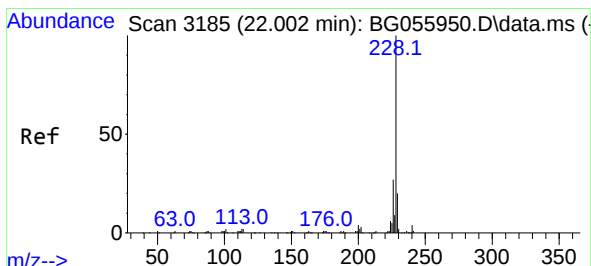
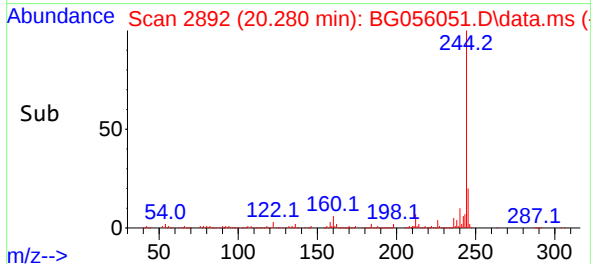
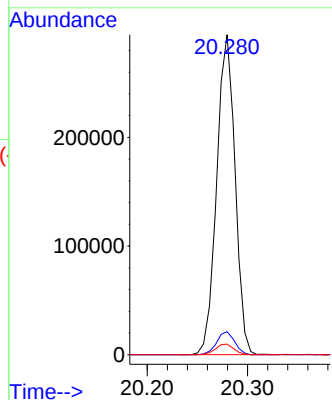
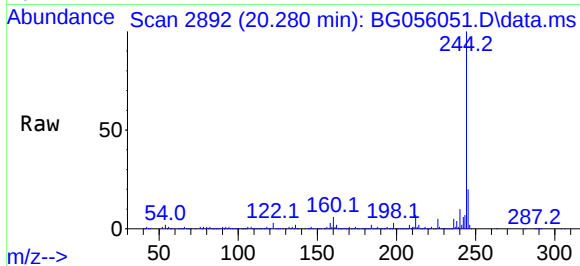
RB-22-(1-3)

Tgt Ion:244 Resp: 374178
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 3.3 2.5 3.7

Manual Integrations

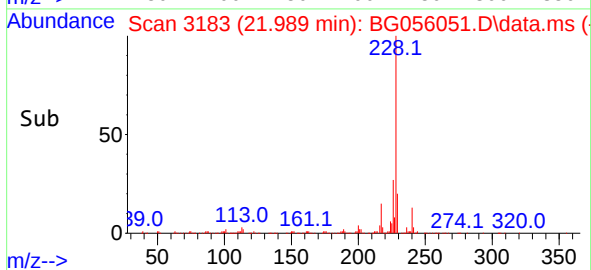
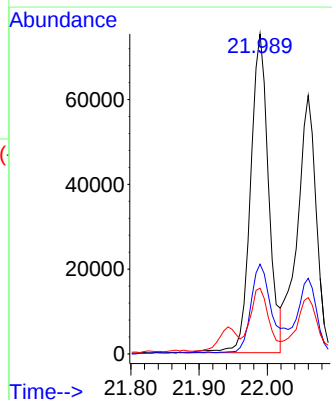
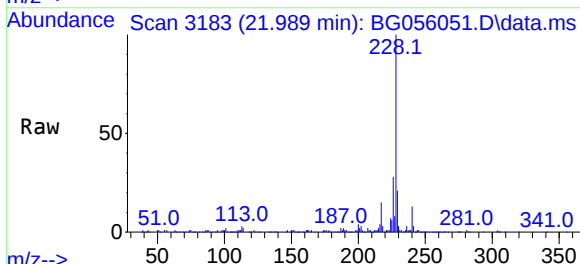
APPROVED

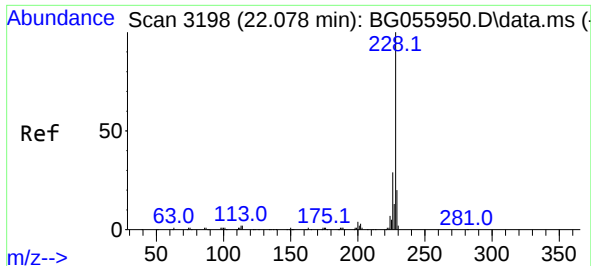
Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022



#81
 Benzo(a)anthracene
 Concen: 20.859 ng
 RT: 21.989 min Scan# 3183
 Delta R.T. -0.007 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

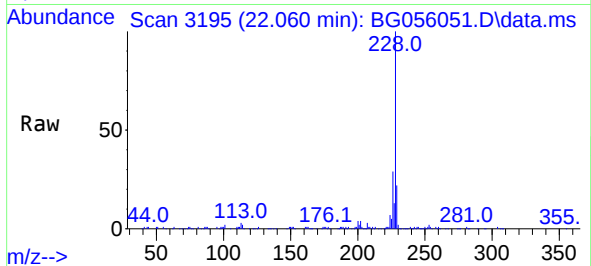
Tgt Ion:228 Resp: 137445
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.8 32.6
 229 20.6 15.9 23.9





#83
Chrysene
Concen: 19.116 ng
RT: 22.060 min Scan# 3198
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

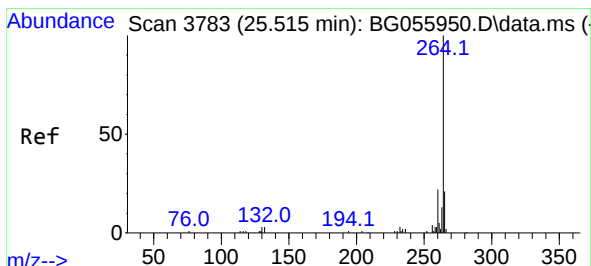
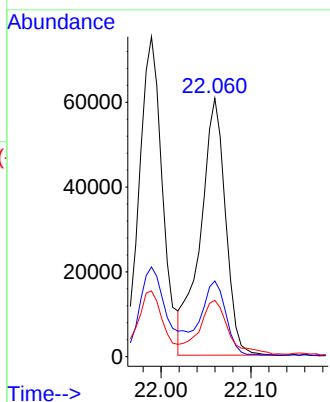
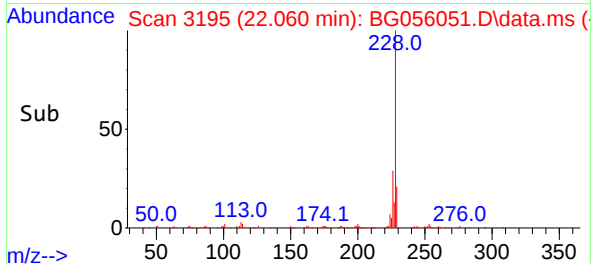
Instrument :
BNA_G
ClientSampleId :
RB-22-(1-3)



Tgt Ion:228 Resp: 11805
Ion Ratio Lower Upper
228 100
226 29.3 23.1 34.7
229 21.8 15.7 23.5

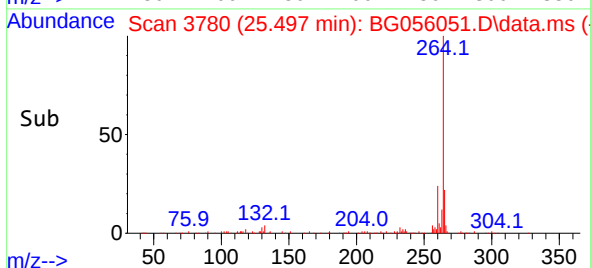
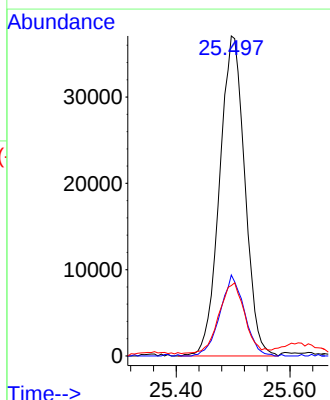
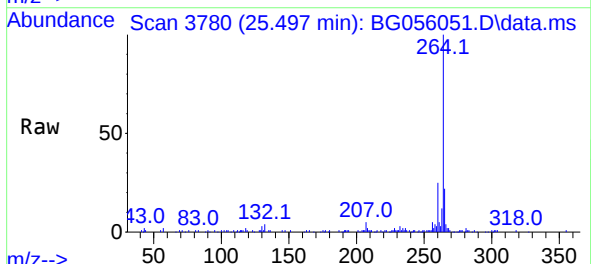
Manual Integrations
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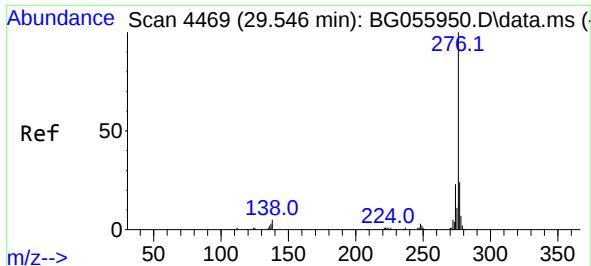
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.497 min Scan# 3780
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

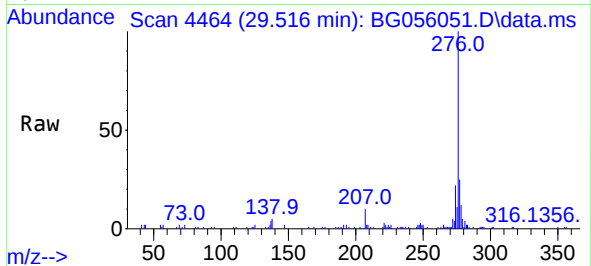
Tgt Ion:264 Resp: 114170
Ion Ratio Lower Upper
264 100
260 25.3 17.8 26.8
265 22.0 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.696 ng
RT: 29.516 min Scan# 4464
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

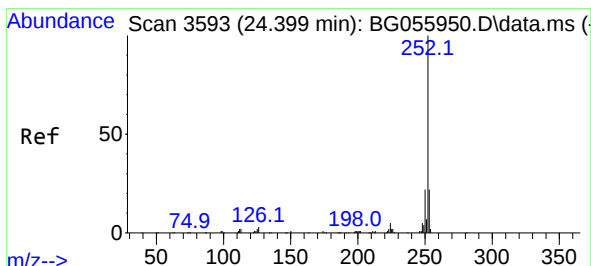
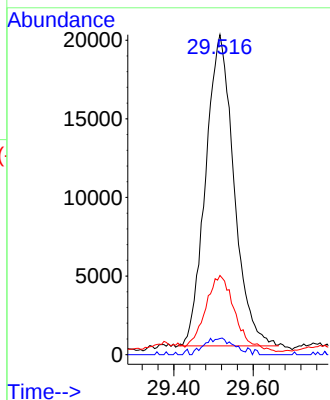
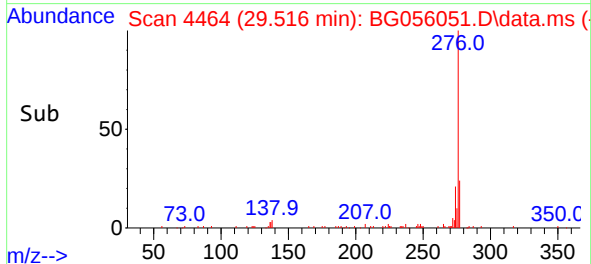
Instrument :
BNA_G
ClientSampleId :
RB-22-(1-3)



Tgt Ion:276 Resp: 98199
Ion Ratio Lower Upper
276 100
138 0.0 3.0 4.4
277 25.8 20.4 30.6

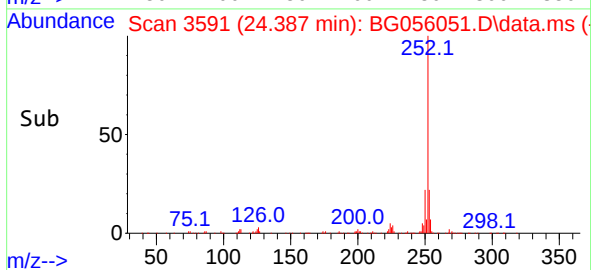
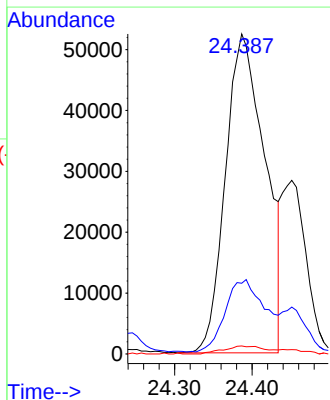
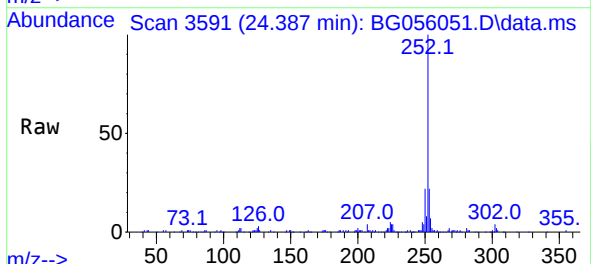
Manual Integrations
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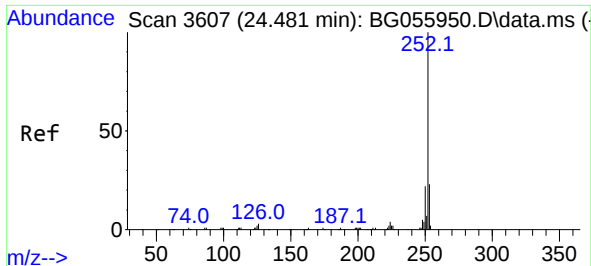
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#88
Benzo(b)fluoranthene
Concen: 25.168 ng
RT: 24.387 min Scan# 3591
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

Tgt Ion:252 Resp: 185965
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 2.5 1.8 2.8





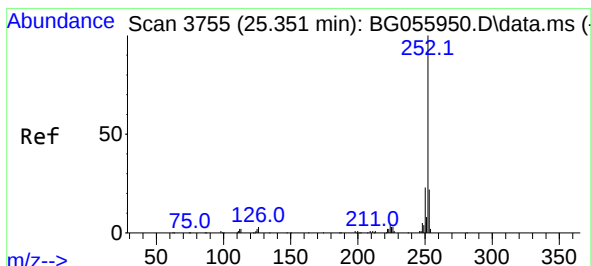
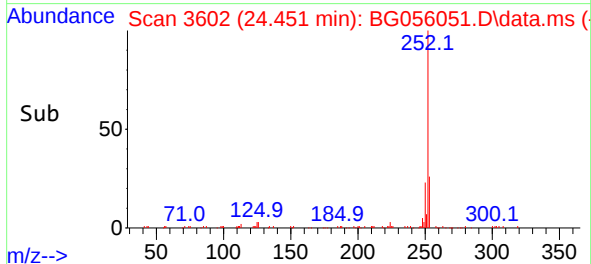
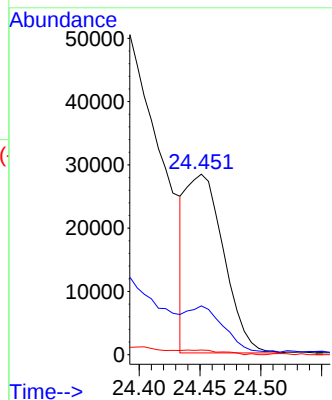
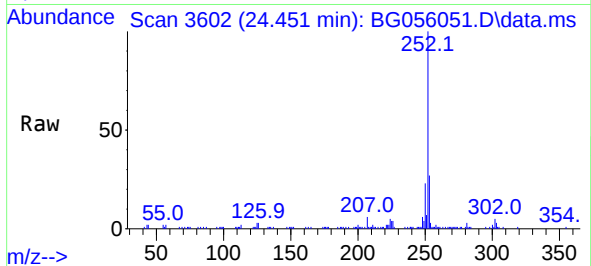
#89
Benzo(k)fluoranthene
Concen: 8.212 ng m
RT: 24.451 min Scan# 30
Delta R.T. -0.012 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

Instrument :
BNA_G
ClientSampleId :
RB-22-(1-3)

Tgt Ion:252 Resp: 6054
Ion Ratio Lower Upper
252 100
253 27.0 18.2 27.2
125 2.5 2.0 3.0

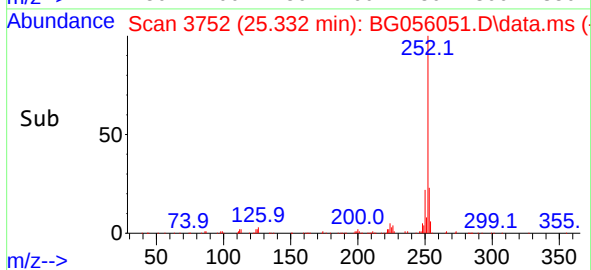
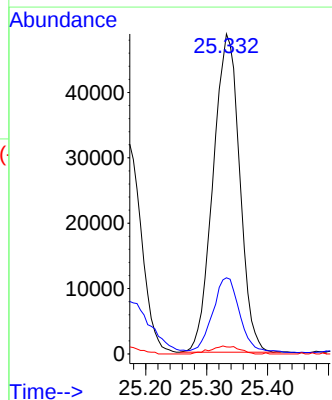
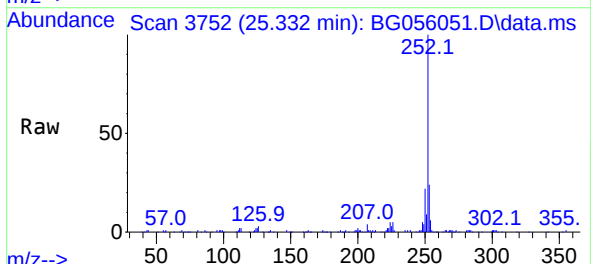
Manual Integrations
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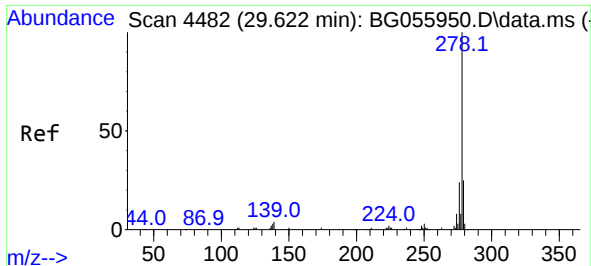
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#90
Benzo(a)pyrene
Concen: 23.579 ng
RT: 25.332 min Scan# 3752
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

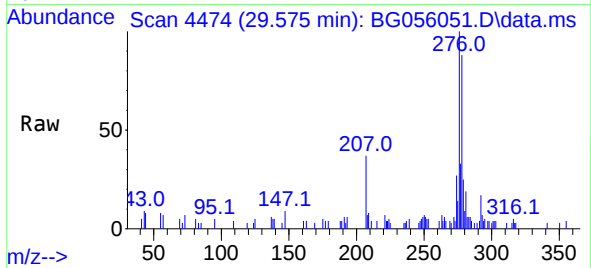
Tgt Ion:252 Resp: 147269
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 2.2 1.9 2.9





#91
Dibenzo(a,h)anthracene
Concen: 3.225 ng m
RT: 29.575 min Scan# 4482
Delta R.T. -0.018 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

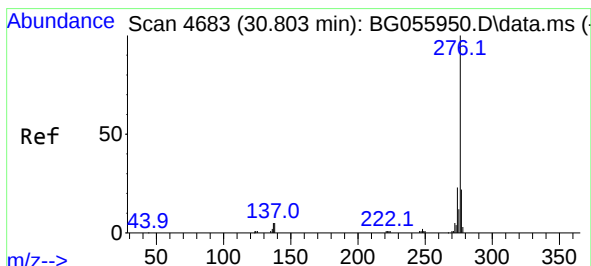
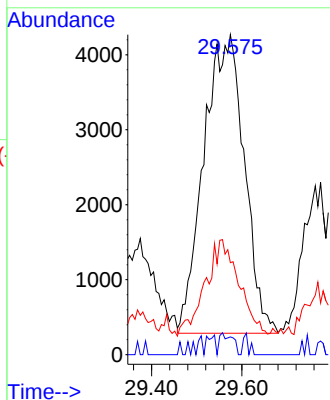
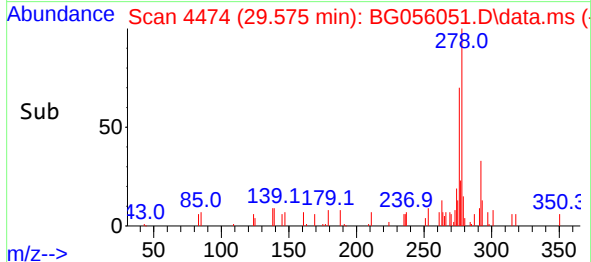
Instrument :
BNA_G
ClientSampleId :
RB-22-(1-3)



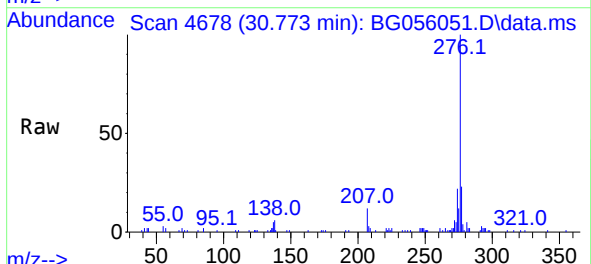
Tgt Ion:278 Resp: 24780
Ion Ratio Lower Upper
278 100
139 5.6 2.9 4.3
279 28.7 20.0 30.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#92
Benzo(g,h,i)perylene
Concen: 13.918 ng
RT: 30.773 min Scan# 4678
Delta R.T. -0.018 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42



Tgt Ion:276 Resp: 103408
Ion Ratio Lower Upper
276 100
277 22.9 17.8 26.6
138 6.4 3.8 5.6

