

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056050.D
 Acq On : 21 Dec 2022 16:01
 Operator : CG/JU
 Sample : N6038-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-29-(2.5-4.5)

Manual Integrations
 APPROVED

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

Quant Time: Dec 22 01:24:48 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	8.359	152	9597	20.000	ng	0.00
21) Naphthalene-d8	11.191	136	37079	20.000	ng	# 0.00
39) Acenaphthene-d10	14.969	164	32082	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	80946	20.000	ng	0.00
76) Chrysene-d12	22.008	240	80879	20.000	ng	# 0.00
86) Perylene-d12	25.498	264	100322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.879	112	55917	136.642	ng	0.00
7) Phenol-d6	7.489	99	70188	133.357	ng	0.00
23) Nitrobenzene-d5	9.534	82	47940	90.352	ng	0.00
42) 2,4,6-Tribromophenol	16.443	330	95509	123.462	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	171003	74.755	ng	0.00
79) Terphenyl-d14	20.274	244	327888	71.651	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.748	178	117655	27.736	ng	99
72) Anthracene	17.836	178	21688	5.168	ng	98
75) Fluoranthene	19.734	202	167926	28.270	ng	99
78) Pyrene	20.098	202	204888	41.865	ng	99
81) Benzo(a)anthracene	21.984	228	122826	21.581	ng	99
83) Chrysene	22.060	228	110968	20.804	ng	98
87) Indeno(1,2,3-cd)pyrene	29.505	276	101365	12.565	ng	99
88) Benzo(b)fluoranthene	24.381	252	148700	22.903	ng	96
89) Benzo(k)fluoranthene	24.452	252	54644m	8.435	ng	
90) Benzo(a)pyrene	25.333	252	126074	22.972	ng	100
91) Dibenzo(a,h)anthracene	29.569	278	36819	5.453	ng	# 95
92) Benzo(g,h,i)perylene	30.780	276	98974	15.160	ng	98

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

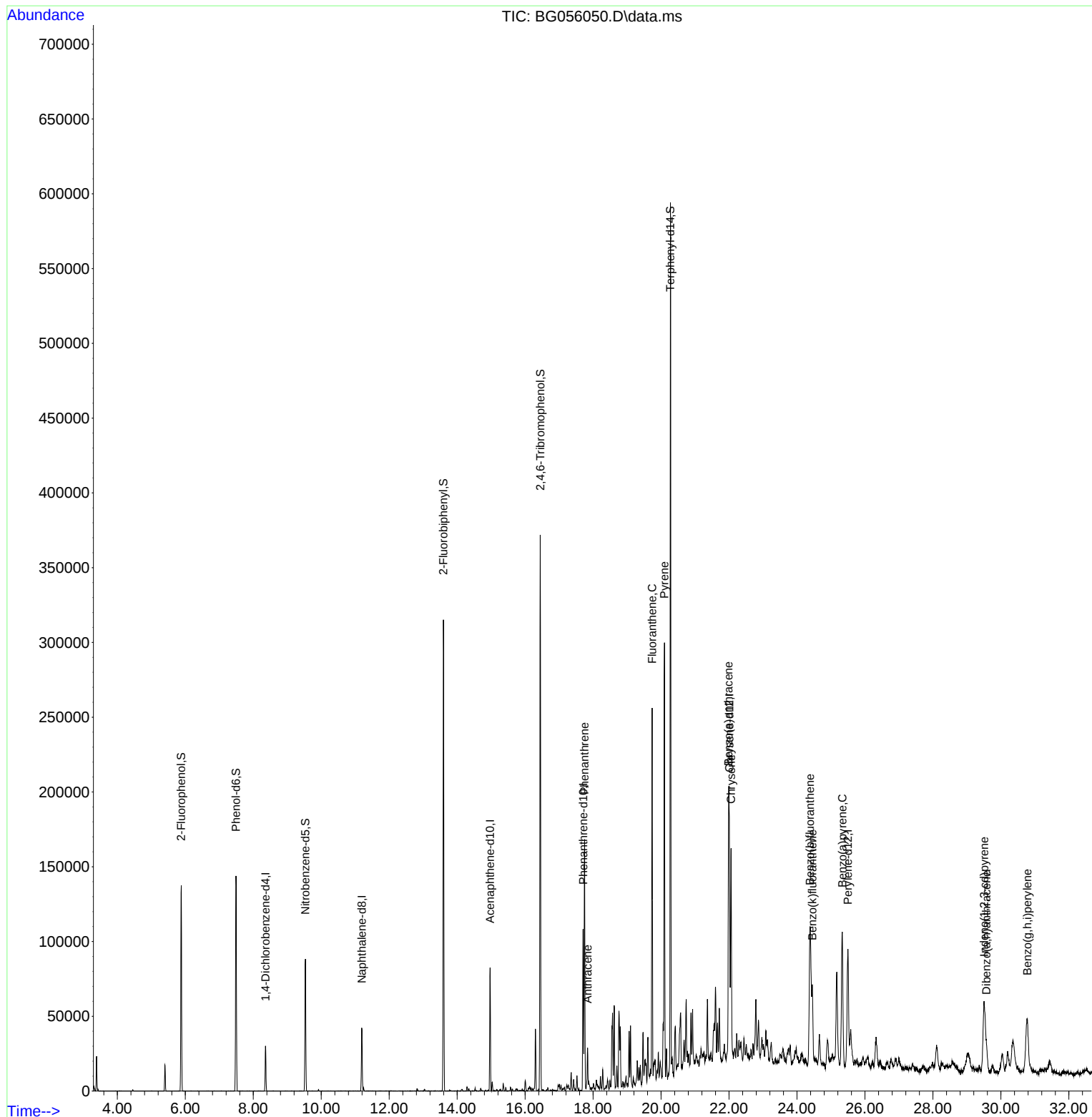
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Data File : BG056050.D
Acq On : 21 Dec 2022 16:01
Operator : CG/JU
Sample : N6038-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

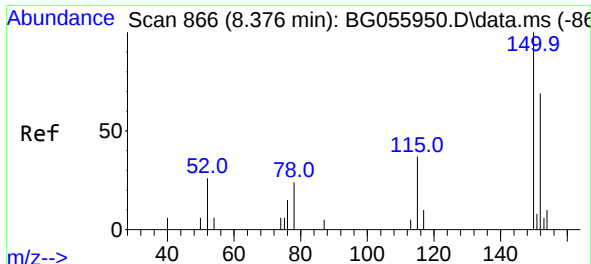
Instrument :
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ClientSampleId :
RB-29-(2.5-4.5)

Quant Time: Dec 22 01:24:48 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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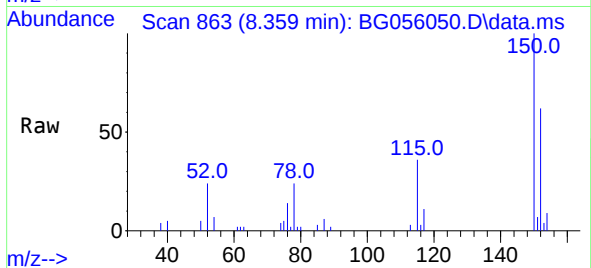
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.359 min Scan# 80
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

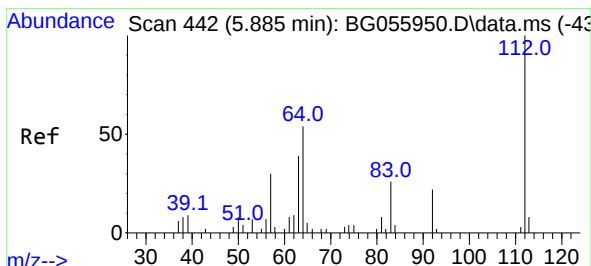
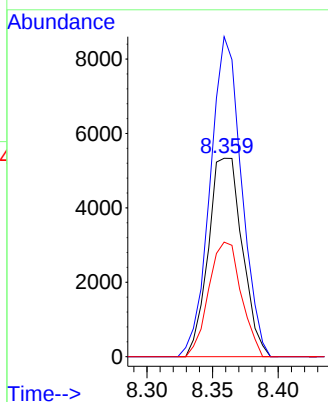
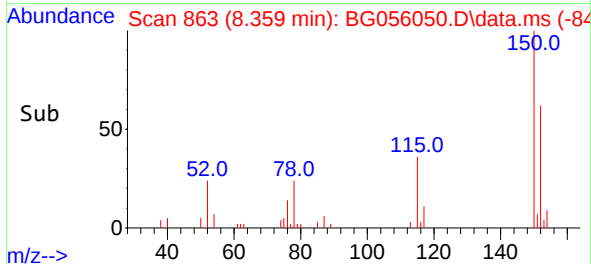
Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)



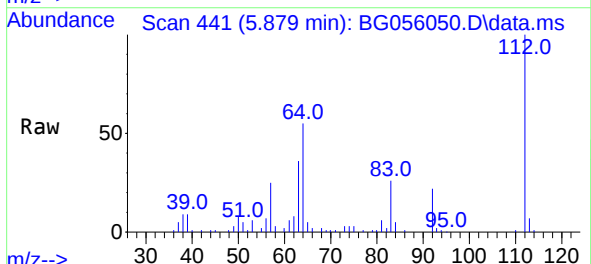
Tgt Ion:152 Resp: 959
Ion Ratio Lower Upper
152 100
150 161.3 115.7 173.5
115 57.7 43.0 64.4

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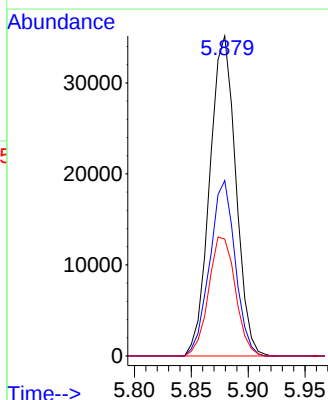
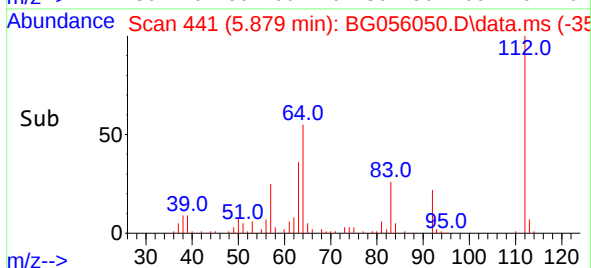
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

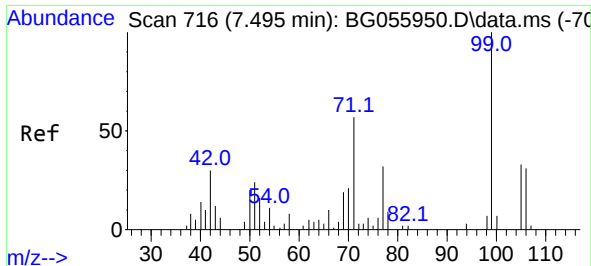


#5
2-Fluorophenol
Concen: 136.642 ng
RT: 5.879 min Scan# 441
Delta R.T. -0.000 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01



Tgt Ion:112 Resp: 55917
Ion Ratio Lower Upper
112 100
64 54.8 43.0 64.4
63 36.5 31.4 47.2





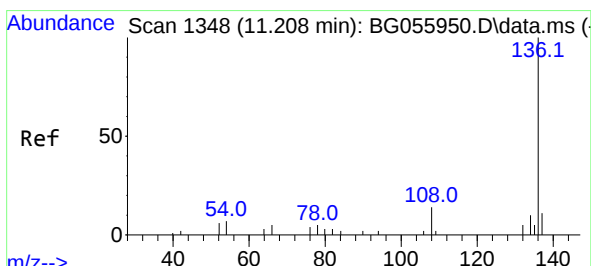
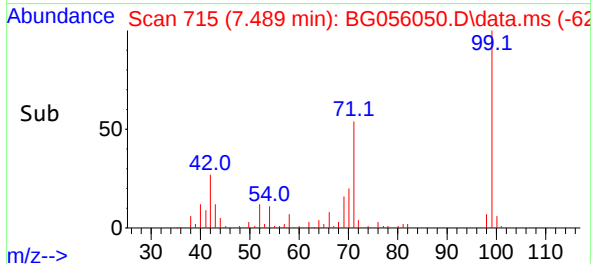
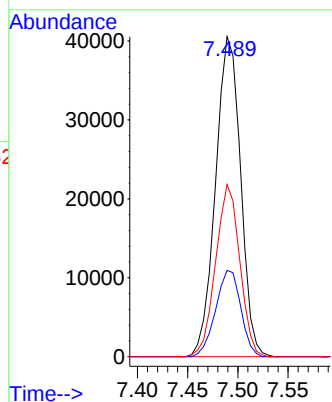
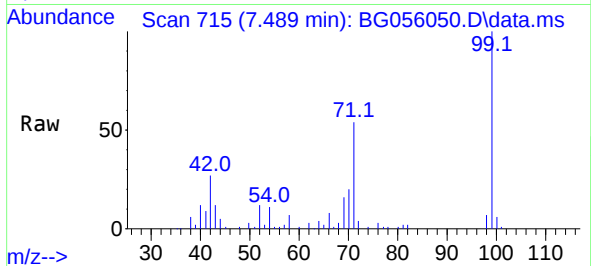
#7
Phenol-d6
Concen: 133.357 ng
RT: 7.489 min Scan# 716
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Tgt Ion: 99 Resp: 70188
Ion Ratio Lower Upper
99 100
42 27.0 24.3 36.5
71 53.8 45.6 68.4

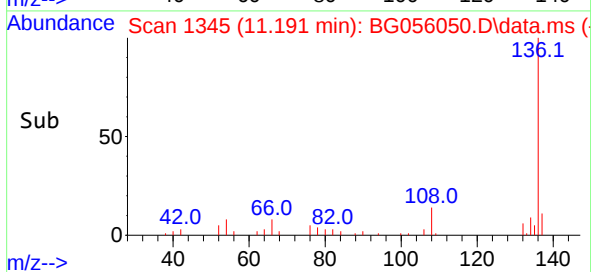
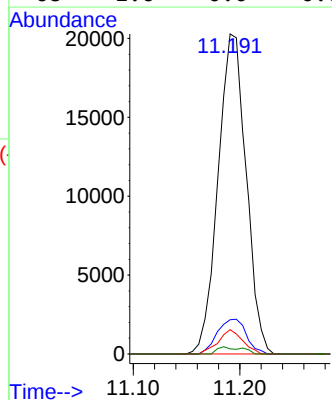
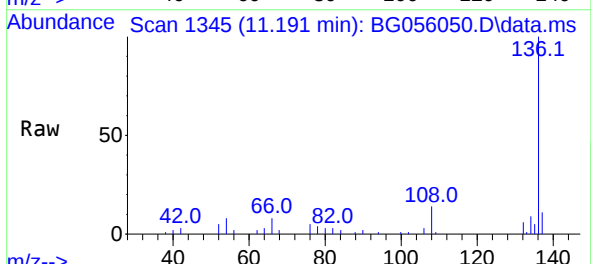
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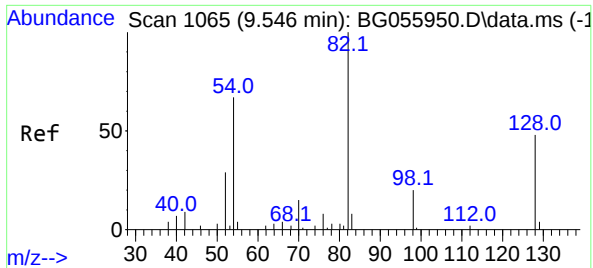
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.191 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

Tgt Ion:136 Resp: 37079
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 7.6 5.6 8.4
68 1.6 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 90.352 ng

RT: 9.534 min Scan# 1063

Delta R.T. -0.006 min

Lab File: BG056050.D

Acq: 21 Dec 2022 16:01

Instrument :

BNA_G

ClientSampleId :

RB-29-(2.5-4.5)

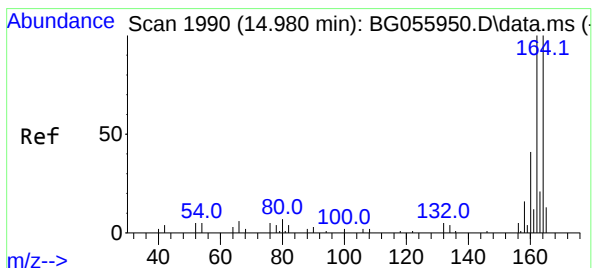
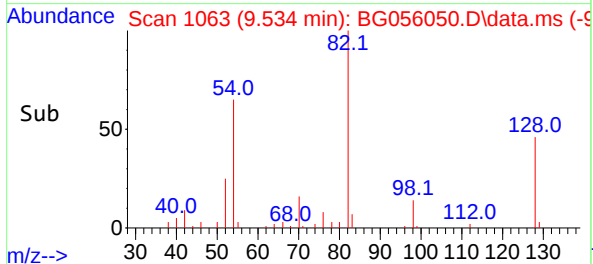
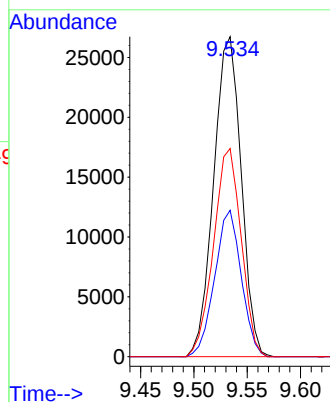
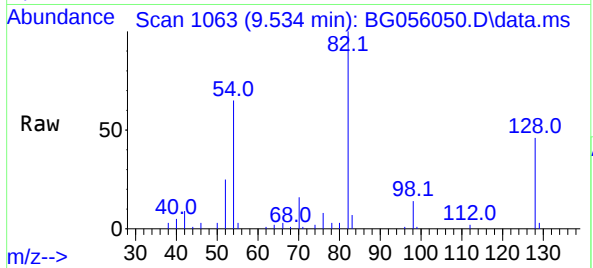
Tgt Ion: 82 Resp: 47940

Ion	Ratio	Lower	Upper
82	100		
128	45.7	38.4	57.6
54	65.1	53.3	79.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.969 min Scan# 1988

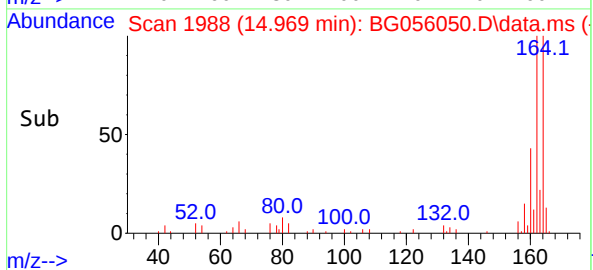
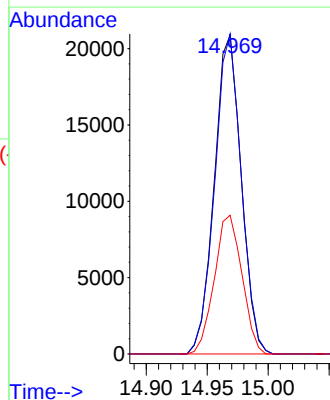
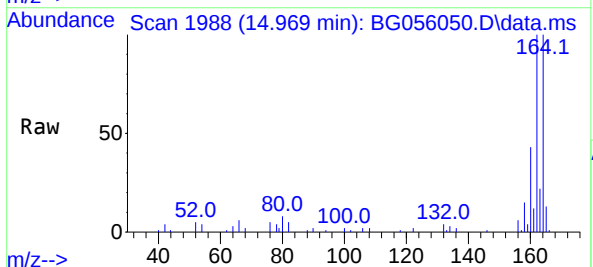
Delta R.T. -0.006 min

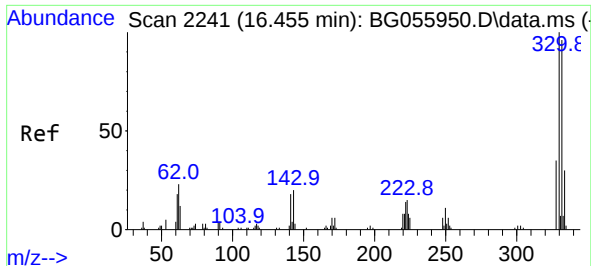
Lab File: BG056050.D

Acq: 21 Dec 2022 16:01

Tgt Ion:164 Resp: 32082

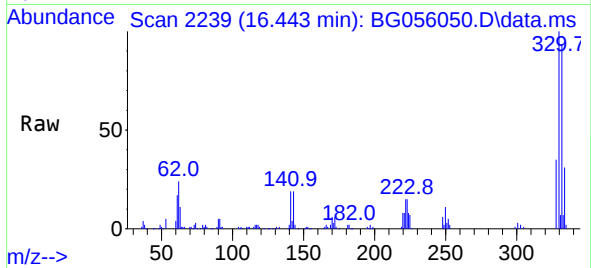
Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.8	119.8
160	43.5	33.0	49.4





#42
2,4,6-Tribromophenol
Concen: 123.462 ng
RT: 16.443 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

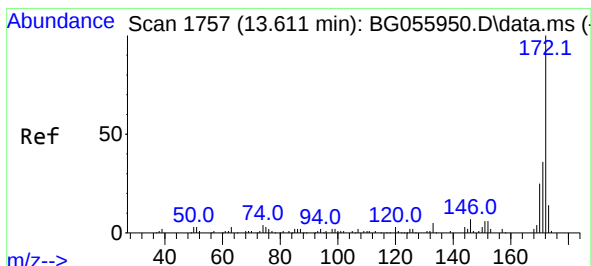
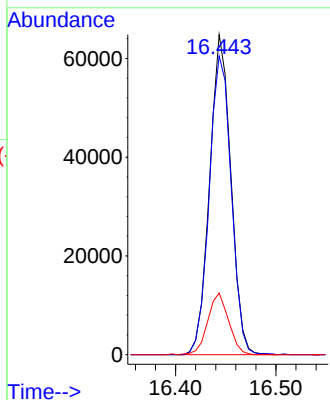
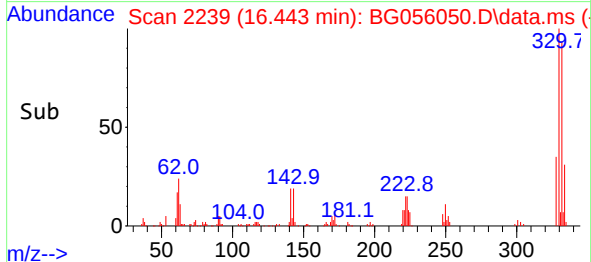
Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)



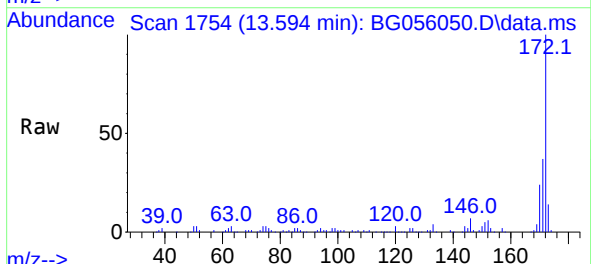
Tgt Ion:330 Resp: 95509
Ion Ratio Lower Upper
330 100
332 96.5 76.6 114.8
141 18.9 15.0 22.4

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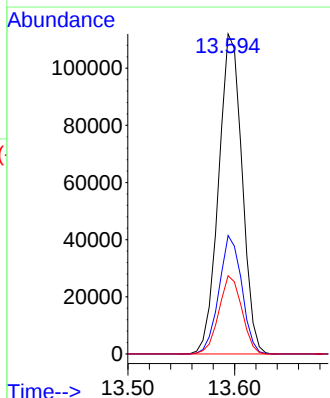
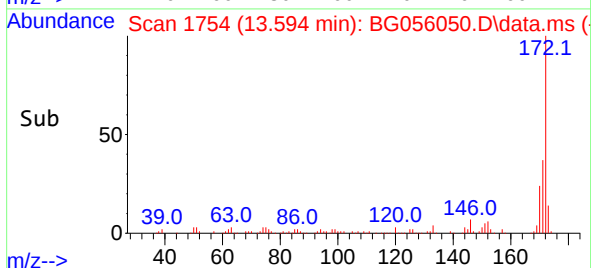
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

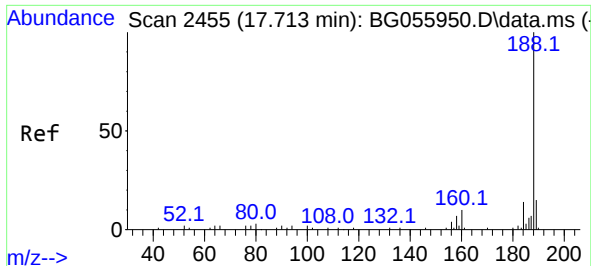


#45
2-Fluorobiphenyl
Concen: 74.755 ng
RT: 13.594 min Scan# 1754
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01



Tgt Ion:172 Resp: 171003
Ion Ratio Lower Upper
172 100
171 37.0 28.6 42.8
170 24.5 19.9 29.9





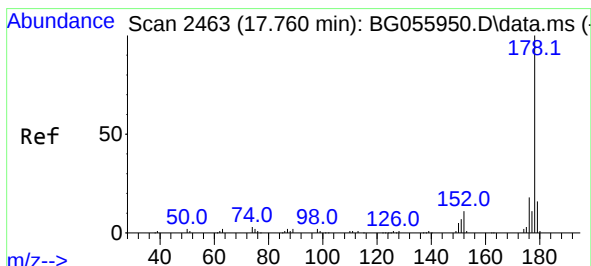
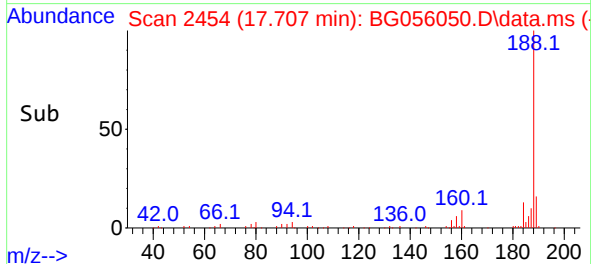
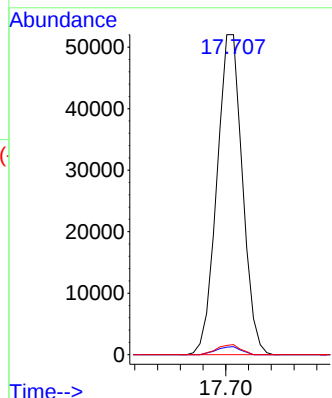
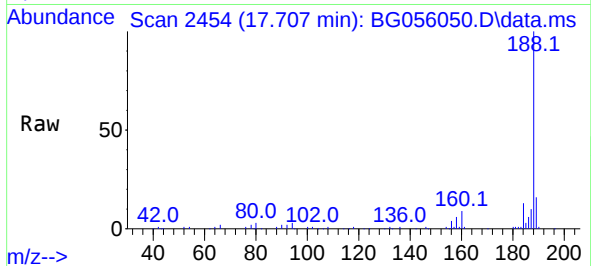
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2455
Delta R.T. -0.000 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)

Tgt Ion:188 Resp: 80940
Ion Ratio Lower Upper
188 100
94 2.5 1.8 2.8
80 3.1 2.4 3.6

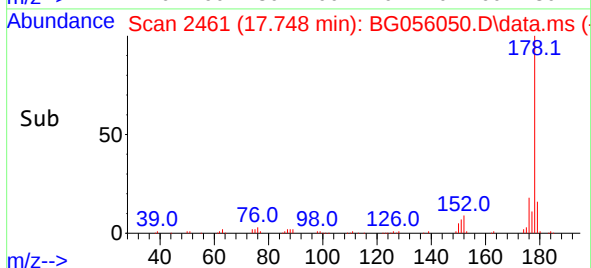
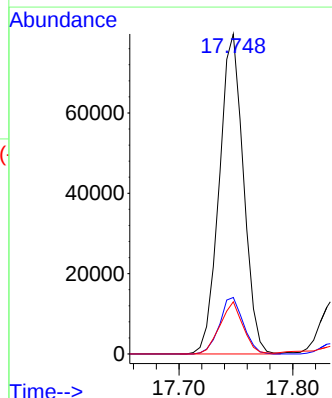
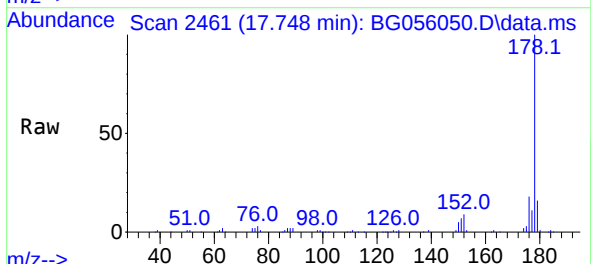
Manual Integrations
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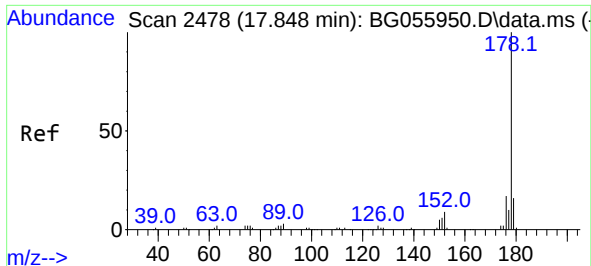
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#71
Phenanthrene
Concen: 27.736 ng
RT: 17.748 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

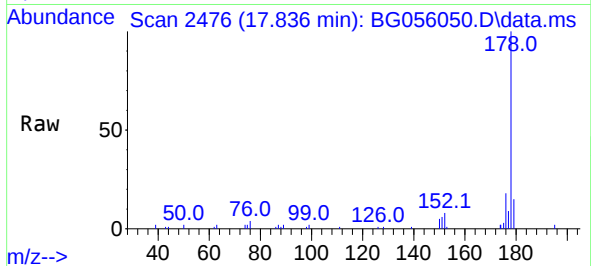
Tgt Ion:178 Resp: 117655
Ion Ratio Lower Upper
178 100
176 17.7 14.4 21.6
179 16.3 12.7 19.1





#72
 Anthracene
 Concen: 5.168 ng
 RT: 17.836 min Scan# 2478
 Delta R.T. -0.006 min
 Lab File: BG056050.D
 Acq: 21 Dec 2022 16:01

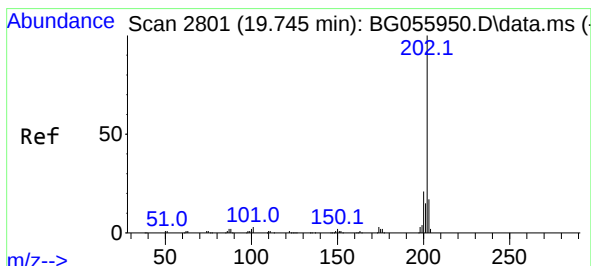
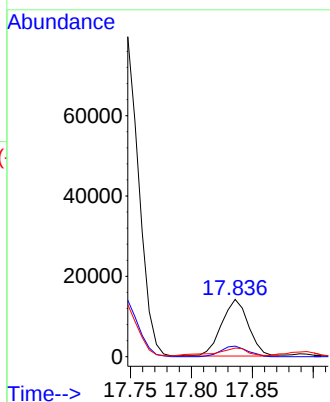
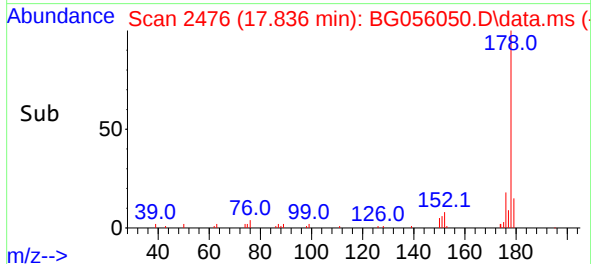
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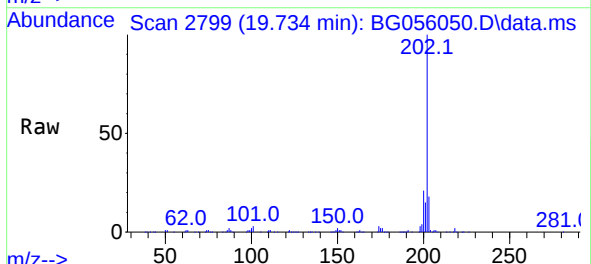
Tgt Ion:178 Resp: 21688
 Ion Ratio Lower Upper
 178 100
 176 18.4 13.9 20.9
 179 15.2 12.7 19.1

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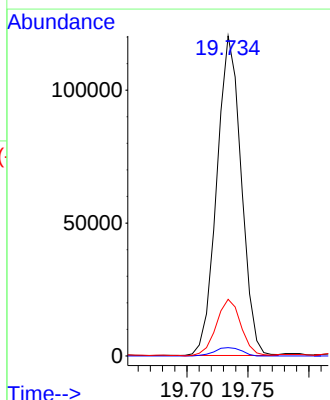
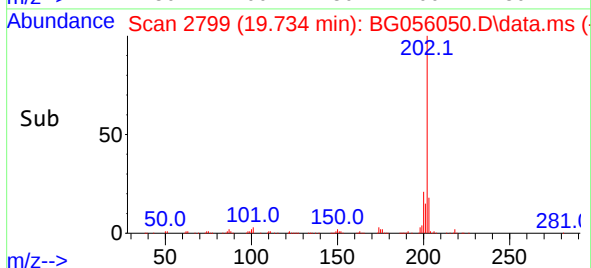
Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022

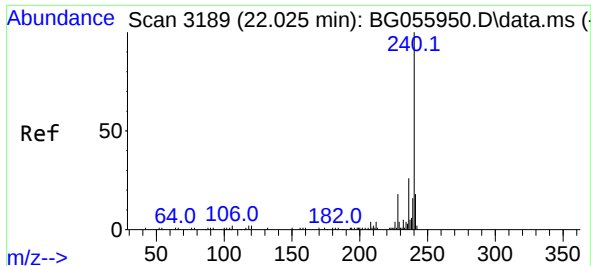


#75
 Fluoranthene
 Concen: 28.270 ng
 RT: 19.734 min Scan# 2799
 Delta R.T. -0.006 min
 Lab File: BG056050.D
 Acq: 21 Dec 2022 16:01



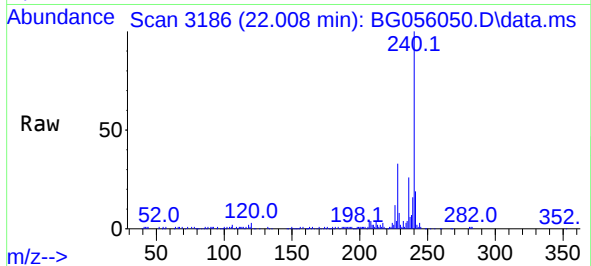
Tgt Ion:202 Resp: 167926
 Ion Ratio Lower Upper
 202 100
 101 2.6 0.0 22.6
 203 17.7 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.008 min Scan# 3189
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

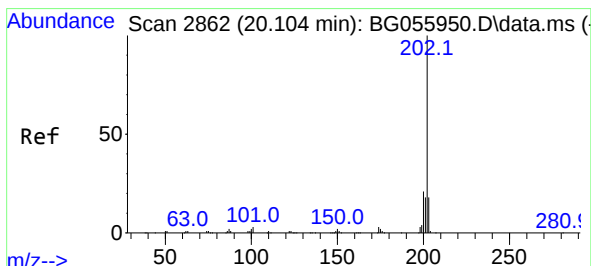
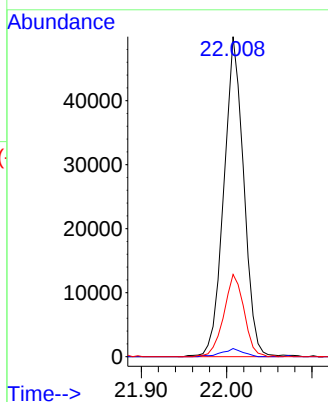
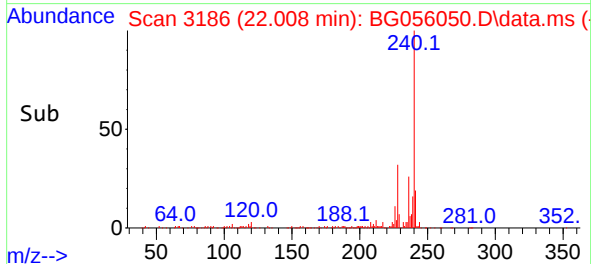
Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)



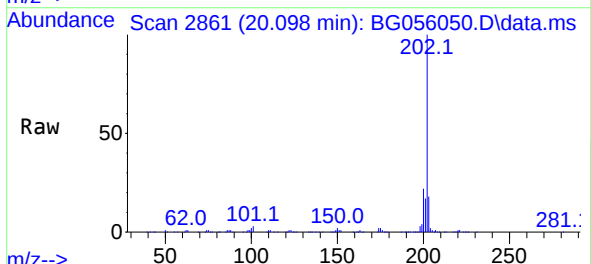
Tgt Ion:240 Resp: 80879
Ion Ratio Lower Upper
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120 2.6 1.7 2.5
236 25.7 21.1 31.7

Manual Integrations
APPROVED

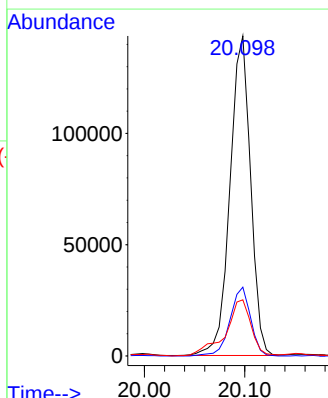
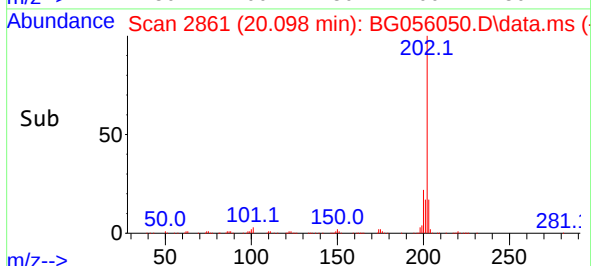
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

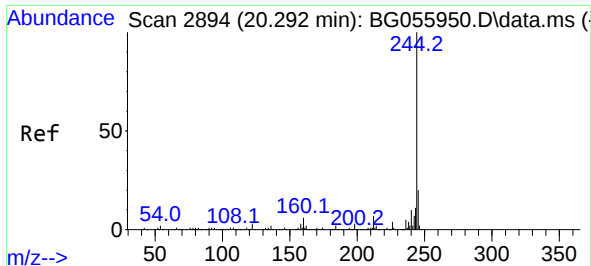


#78
Pyrene
Concen: 41.865 ng
RT: 20.098 min Scan# 2861
Delta R.T. -0.000 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01



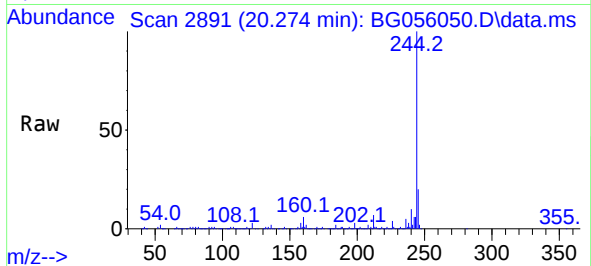
Tgt Ion:202 Resp: 204888
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 17.6 14.6 21.8





#79
Terphenyl-d14
Concen: 71.651 ng
RT: 20.274 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

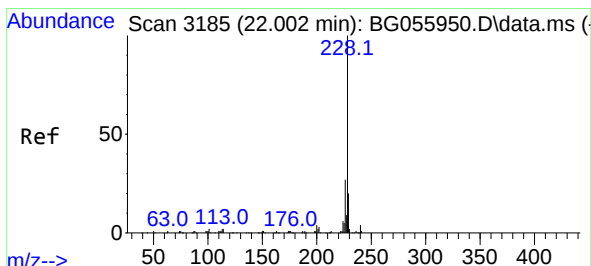
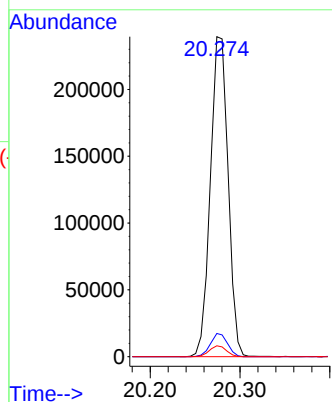
Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)



Tgt Ion:244 Resp: 32788
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 3.4 2.5 3.7

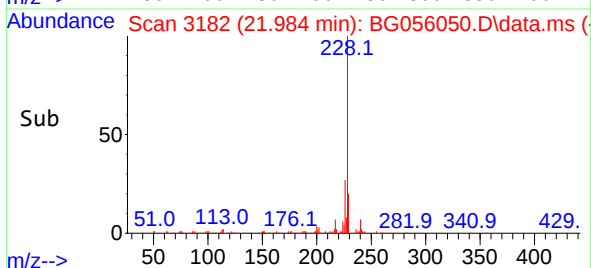
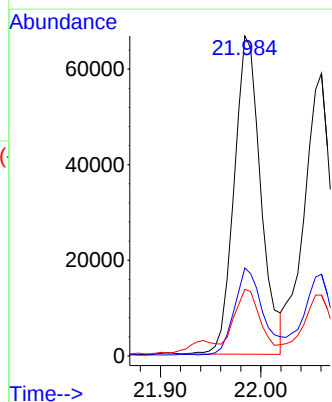
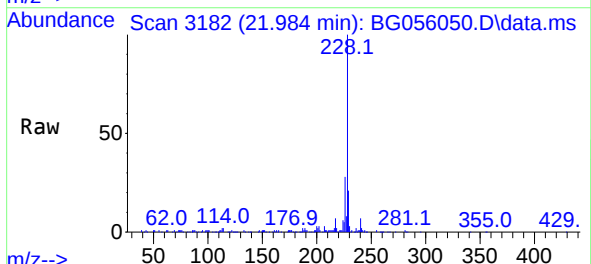
Manual Integrations
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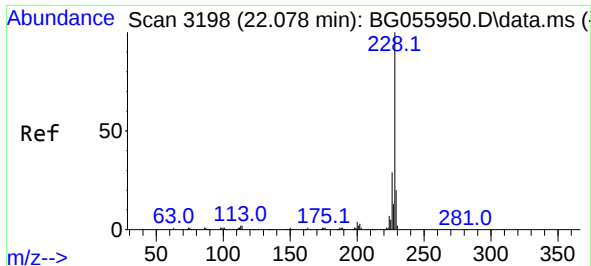
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#81
Benzo(a)anthracene
Concen: 21.581 ng
RT: 21.984 min Scan# 3182
Delta R.T. -0.012 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

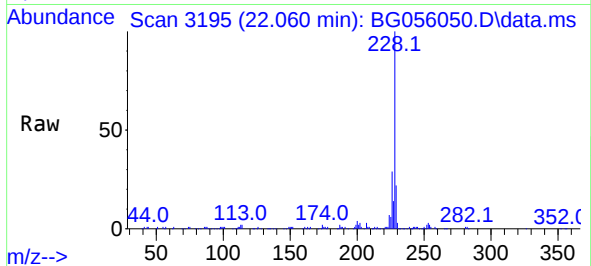
Tgt Ion:228 Resp: 122826
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.6
229 20.8 15.9 23.9





#83
Chrysene
Concen: 20.804 ng
RT: 22.060 min Scan# 3198
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

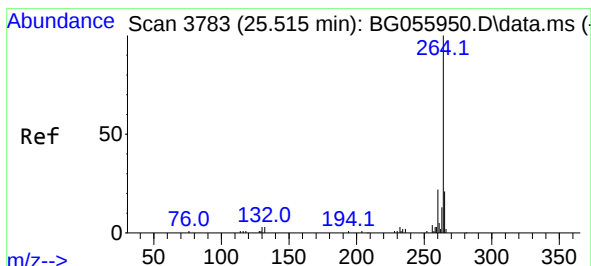
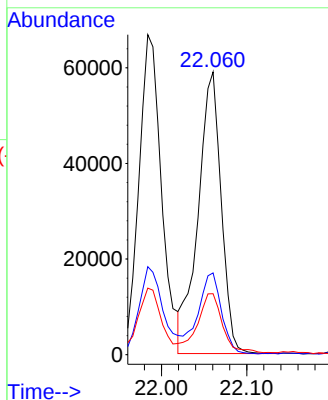
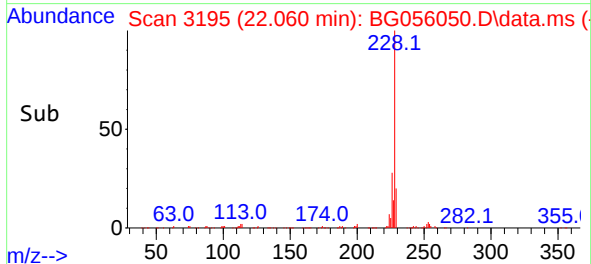
Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)



Tgt Ion:228 Resp: 110968
Ion Ratio Lower Upper
228 100
226 28.9 23.1 34.7
229 21.6 15.7 23.5

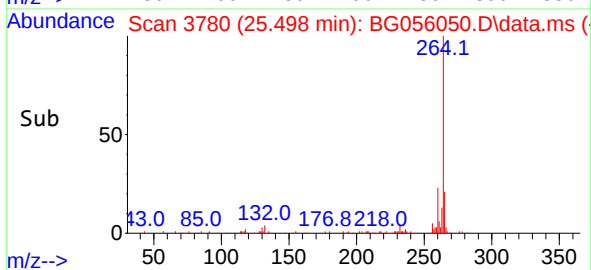
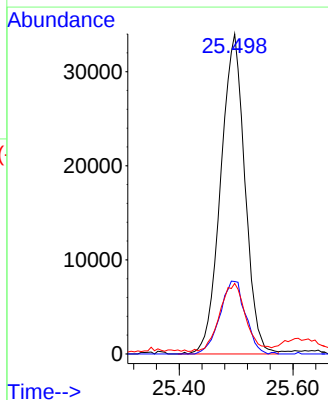
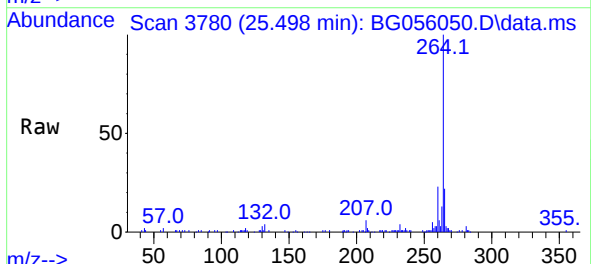
Manual Integrations
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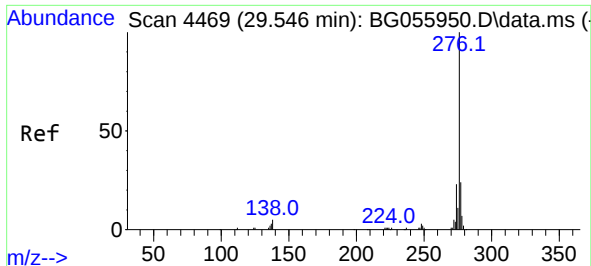
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.498 min Scan# 3780
Delta R.T. -0.000 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

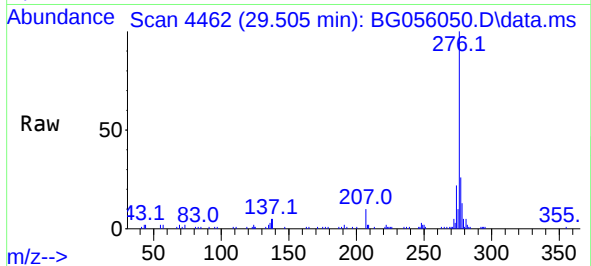
Tgt Ion:264 Resp: 100322
Ion Ratio Lower Upper
264 100
260 22.7 17.8 26.8
265 22.0 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.565 ng
RT: 29.505 min Scan# 4462
Delta R.T. -0.018 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

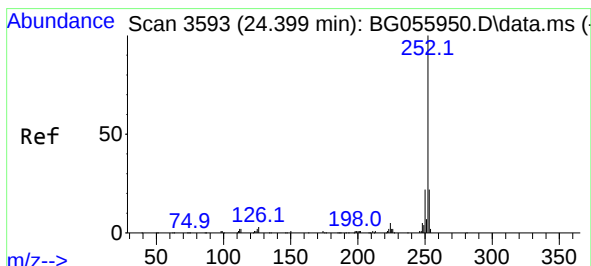
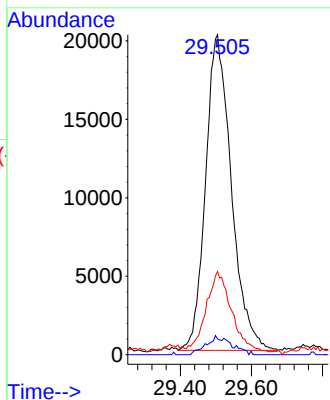
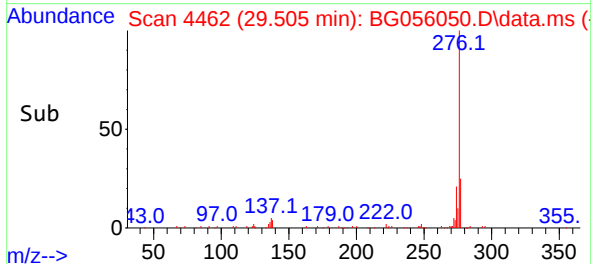
Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)



Tgt Ion:276 Resp: 10136
Ion Ratio Lower Upper
276 100
138 3.4 3.0 4.4
277 24.9 20.4 30.6

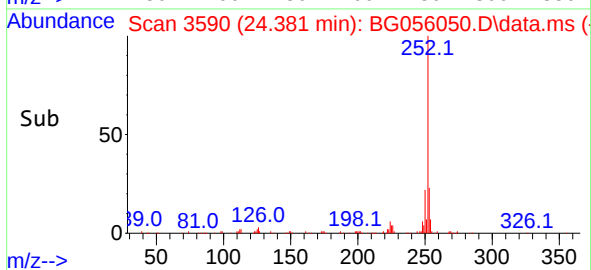
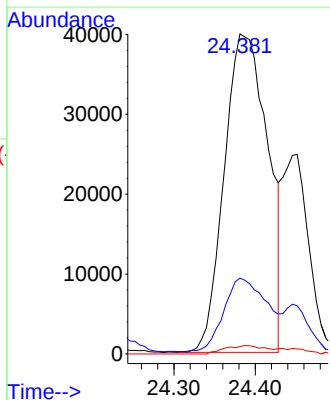
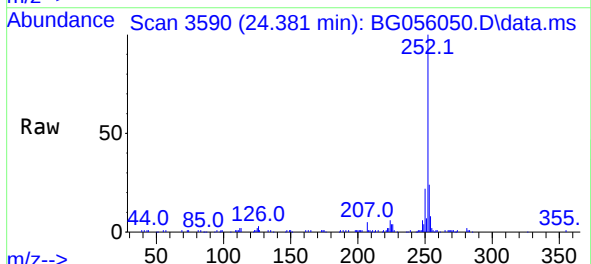
Manual Integrations
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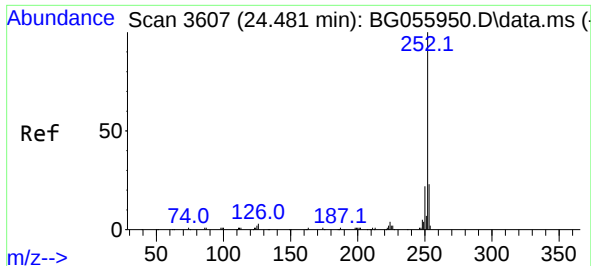
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#88
Benzo(b)fluoranthene
Concen: 22.903 ng
RT: 24.381 min Scan# 3590
Delta R.T. -0.006 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

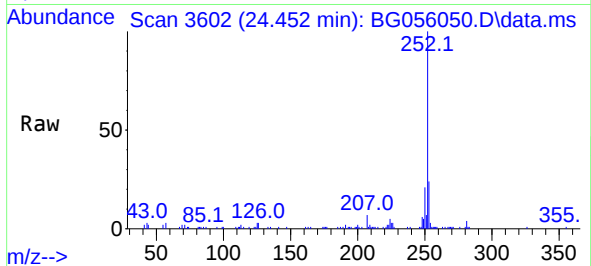
Tgt Ion:252 Resp: 148700
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 2.3 1.8 2.8





#89
Benzo(k)fluoranthene
Concen: 8.435 ng m
RT: 24.452 min Scan# 30
Delta R.T. -0.012 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

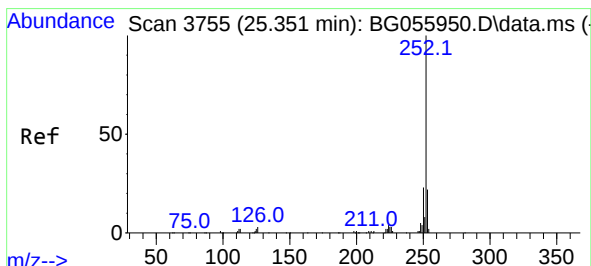
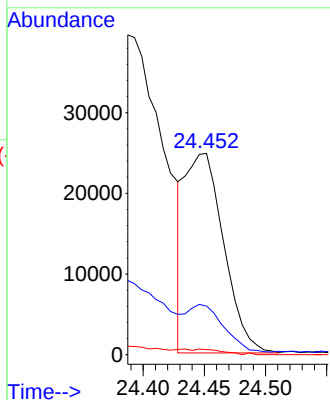
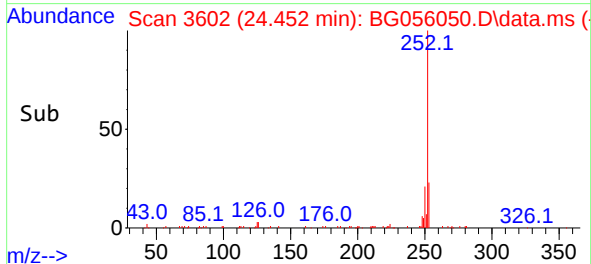
Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)



Tgt Ion:252 Resp: 5464
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.2
125 2.5 2.0 3.0

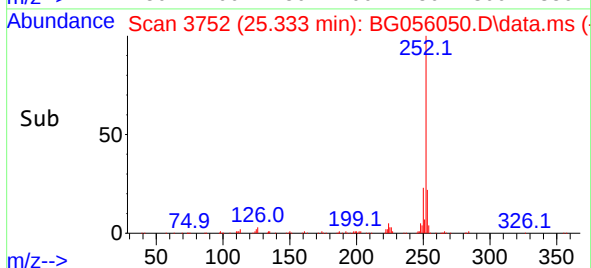
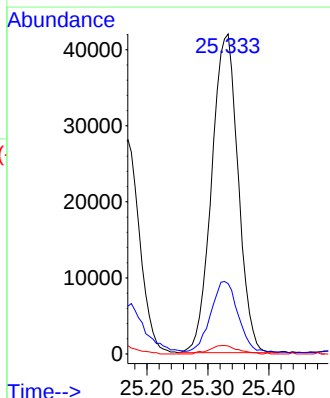
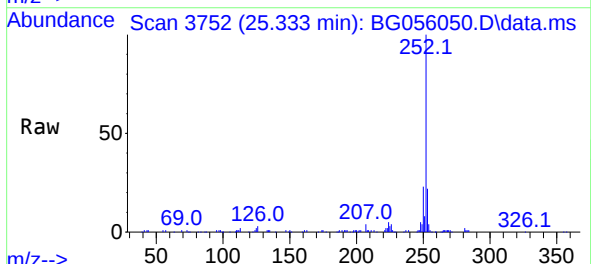
Manual Integrations
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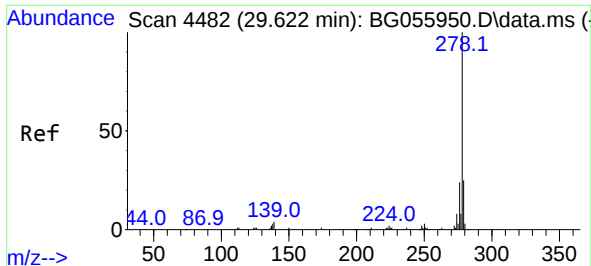
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#90
Benzo(a)pyrene
Concen: 22.972 ng
RT: 25.333 min Scan# 3752
Delta R.T. -0.000 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

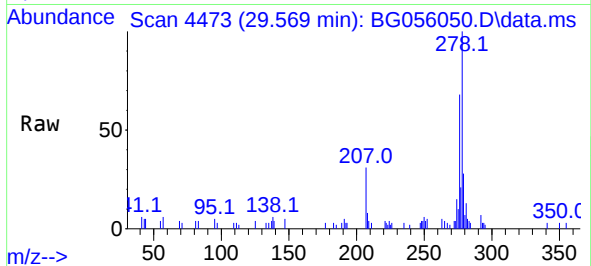
Tgt Ion:252 Resp: 126074
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 2.5 1.9 2.9





#91
Dibenzo(a,h)anthracene
Concen: 5.453 ng
RT: 29.569 min Scan# 4482
Delta R.T. -0.024 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01

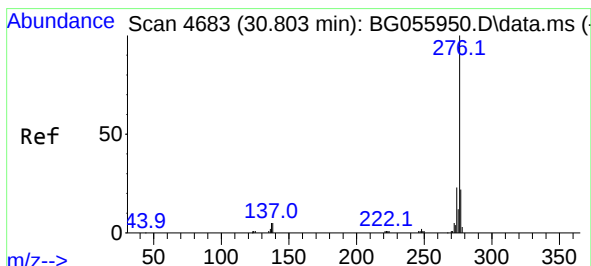
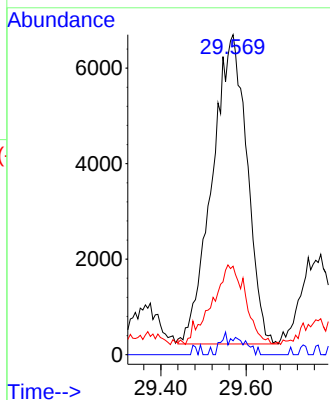
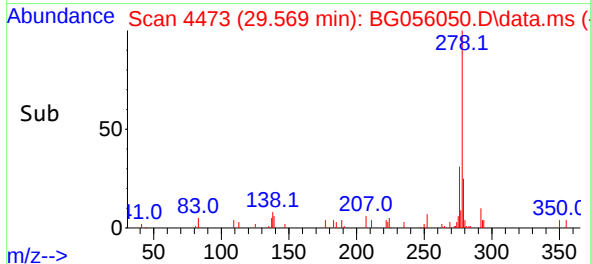
Instrument :
BNA_G
ClientSampleId :
RB-29-(2.5-4.5)



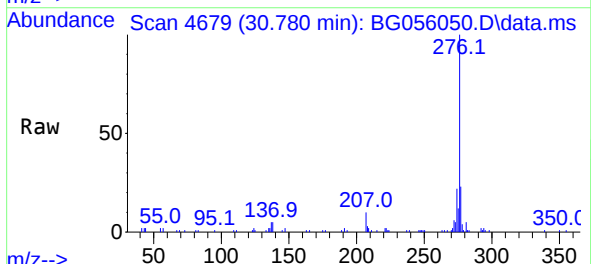
Tgt Ion:278 Resp: 36819
Ion Ratio Lower Upper
278 100
139 4.3 2.9 4.3
279 27.6 20.0 30.0

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 15.160 ng
RT: 30.780 min Scan# 4679
Delta R.T. -0.012 min
Lab File: BG056050.D
Acq: 21 Dec 2022 16:01



Tgt Ion:276 Resp: 98974
Ion Ratio Lower Upper
276 100
277 23.3 17.8 26.6
138 4.9 3.8 5.6

