

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056045.D
 Acq On : 21 Dec 2022 12:36
 Operator : CG/JU
 Sample : N6098-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FVSUB-TP2-COMP-02

Manual Integrations
 APPROVED

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

Quant Time: Dec 22 01:22:57 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	8.361	152	9360	20.000	ng	0.00
21) Naphthalene-d8	11.193	136	36122	20.000	ng	# 0.00
39) Acenaphthene-d10	14.965	164	32342	20.000	ng	-0.01
64) Phenanthrene-d10	17.703	188	89139	20.000	ng	0.00
76) Chrysene-d12	22.009	240	89142	20.000	ng	# 0.00
86) Perylene-d12	25.493	264	108109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	38731	97.042	ng	0.00
7) Phenol-d6	7.491	99	50997	99.347	ng	0.00
23) Nitrobenzene-d5	9.530	82	32778	63.413	ng	-0.01
42) 2,4,6-Tribromophenol	16.445	330	78007	100.027	ng	0.00
45) 2-Fluorobiphenyl	13.596	172	122699	53.207	ng	0.00
79) Terphenyl-d14	20.276	244	280037	55.522	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.744	178	61807	13.231	ng	99
72) Anthracene	17.838	178	18303	3.960	ng	97
75) Fluoranthene	19.735	202	171501	26.218	ng	99
78) Pyrene	20.094	202	130872	24.262	ng	100
81) Benzo(a)anthracene	21.986	228	88784	14.154	ng	98
83) Chrysene	22.056	228	75153	12.784	ng	97
87) Indeno(1,2,3-cd)pyrene	29.501	276	52082	5.991	ng	100
88) Benzo(b)fluoranthene	24.377	252	104783	14.976	ng	94
89) Benzo(k)fluoranthene	24.448	252	33428m	4.789	ng	
90) Benzo(a)pyrene	25.329	252	73887	12.493	ng	100
91) Dibenzo(a,h)anthracene	29.553	278	14933	2.052	ng	# 85
92) Benzo(g,h,i)perylene	30.764	276	46513	6.611	ng	99

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

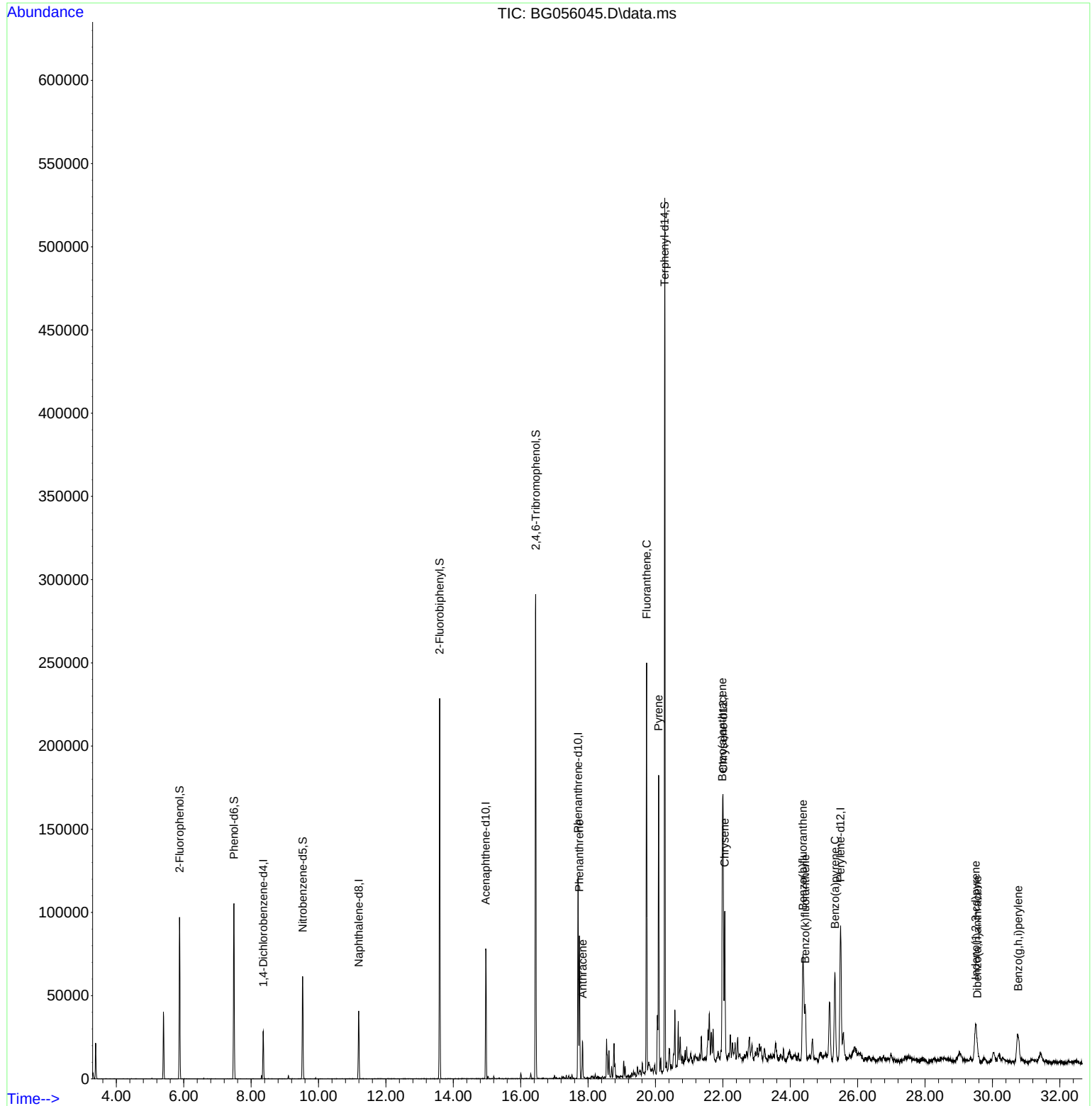
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056045.D
Acq On : 21 Dec 2022 12:36
Operator : CG/JU
Sample : N6098-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

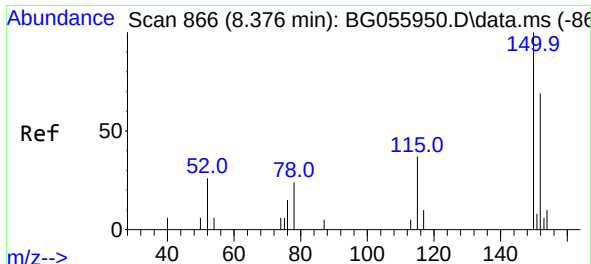
Instrument :
BNA_G
ClientSampleId :
FVSUB-TP2-COMP-02

Quant Time: Dec 22 01:22:57 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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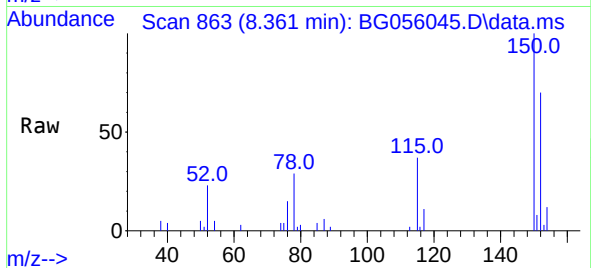
Reviewed By : Christian Giraldo 12/22/2022
Supervised By : mohammad ahmed 12/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 80
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

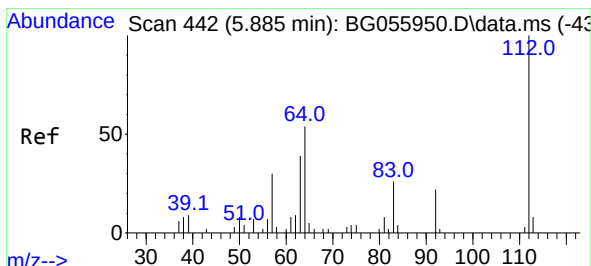
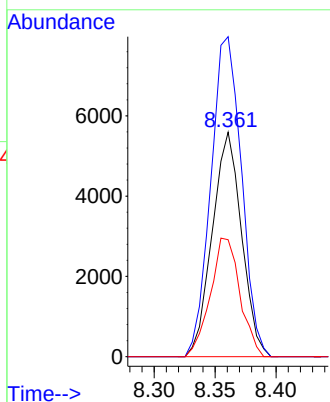
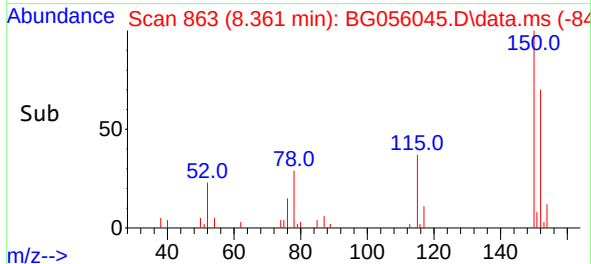
Instrument :
BNA_G
ClientSampleId :
FVSUB-TP2-COMP-02



Tgt Ion:152 Resp: 9360
Ion Ratio Lower Upper
152 100
150 142.6 115.7 173.5
115 52.1 43.0 64.4

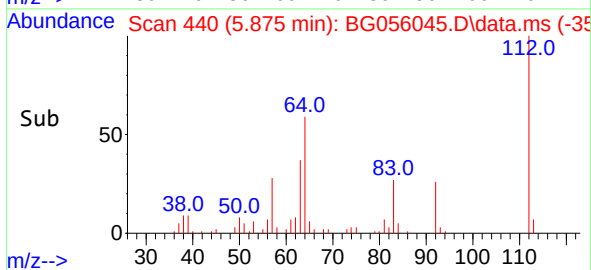
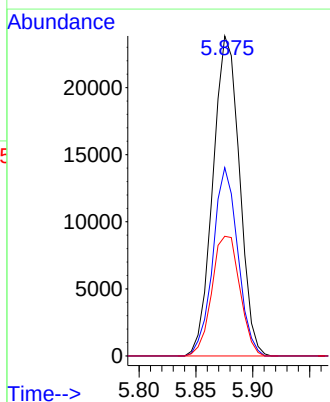
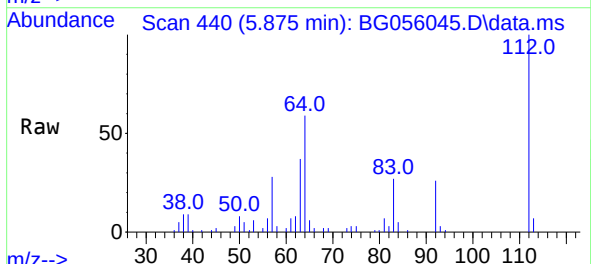
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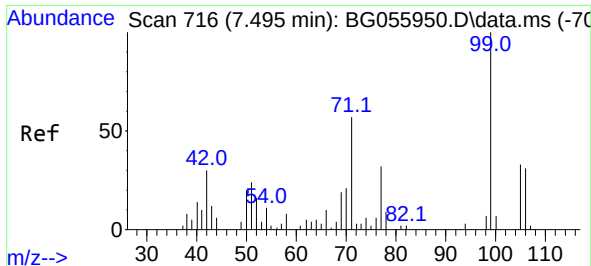
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#5
2-Fluorophenol
Concen: 97.042 ng
RT: 5.875 min Scan# 440
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Tgt Ion:112 Resp: 38731
Ion Ratio Lower Upper
112 100
64 58.8 43.0 64.4
63 37.4 31.4 47.2





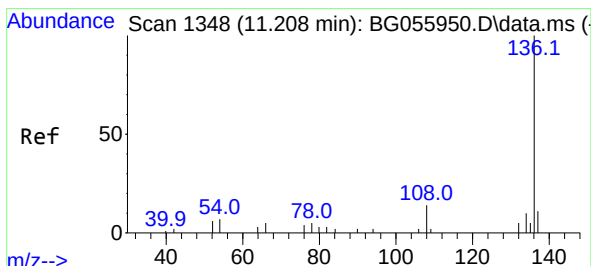
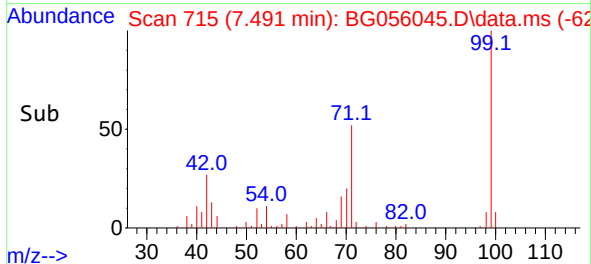
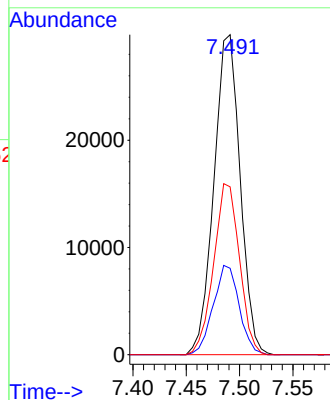
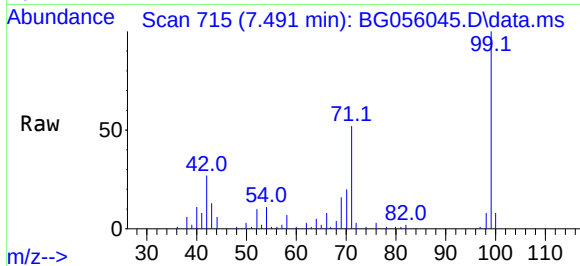
#7
Phenol-d6
Concen: 99.347 ng
RT: 7.491 min Scan# 716
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Instrument :
BNA_G
ClientSampleId :
FVSub-TP2-COMP-02

Tgt Ion: 99 Resp: 5099
Ion Ratio Lower Upper
99 100
42 27.0 24.3 36.5
71 52.4 45.6 68.4

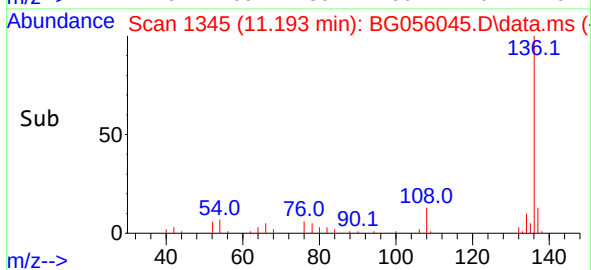
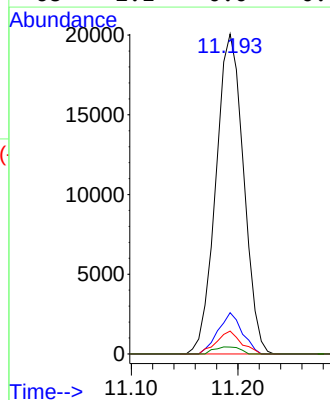
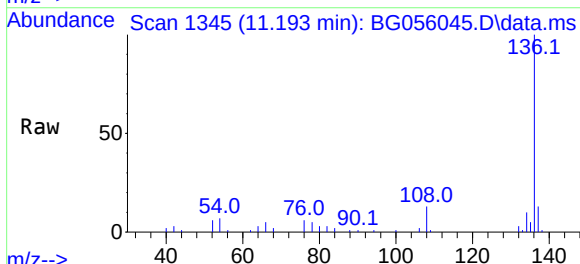
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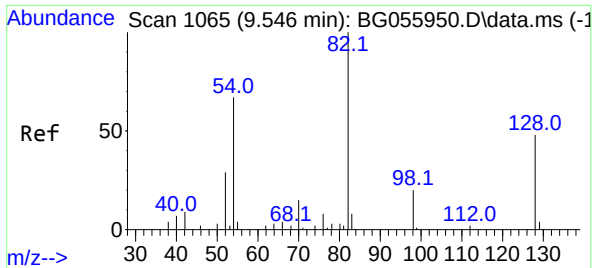
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Supervised By :mohammad ahmed 12/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.193 min Scan# 1345
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Tgt Ion:136 Resp: 36122
Ion Ratio Lower Upper
136 100
137 12.9 9.2 13.8
54 7.2 5.6 8.4
68 2.1 0.0 0.0#





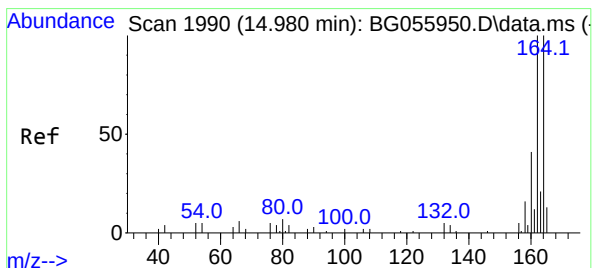
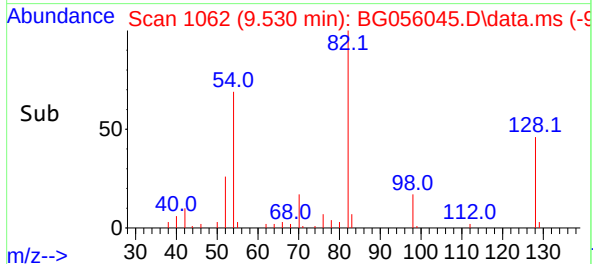
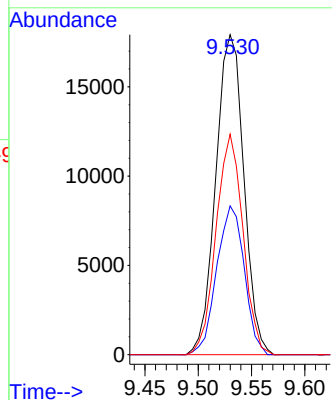
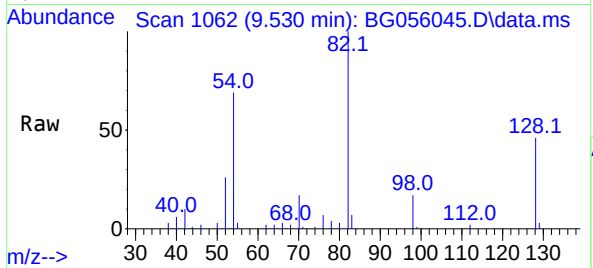
#23
Nitrobenzene-d5
Concen: 63.413 ng
RT: 9.530 min Scan# 1065
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 82 Resp: 32778
Ion Ratio Lower Upper
82 100
128 46.5 38.4 57.6
54 68.9 53.3 79.9

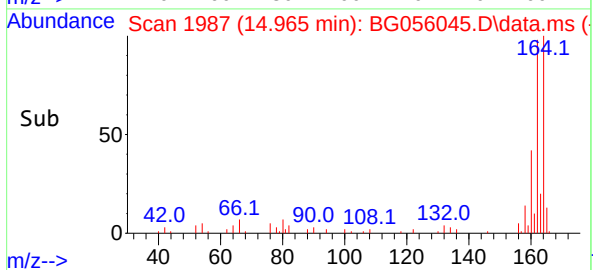
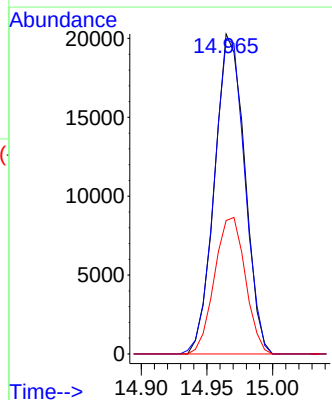
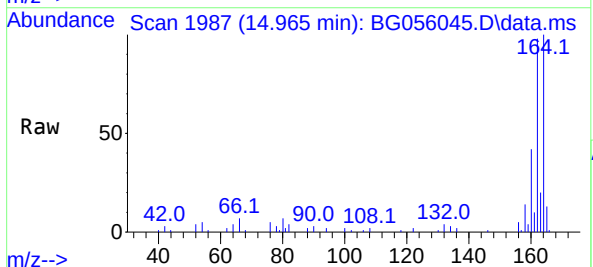
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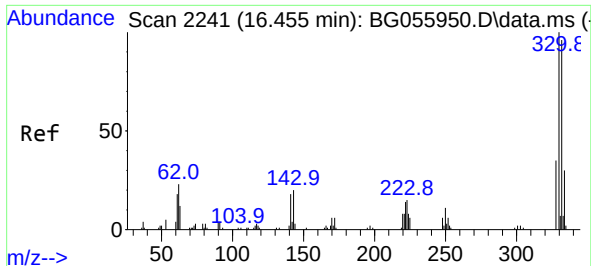
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.965 min Scan# 1987
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Tgt Ion:164 Resp: 32342
Ion Ratio Lower Upper
164 100
162 98.3 79.8 119.8
160 41.7 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 100.027 ng
RT: 16.445 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Instrument :

BNA_G

ClientSampleId :

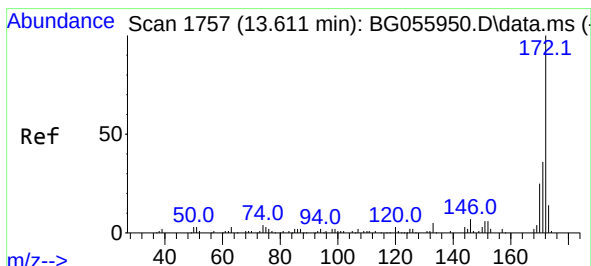
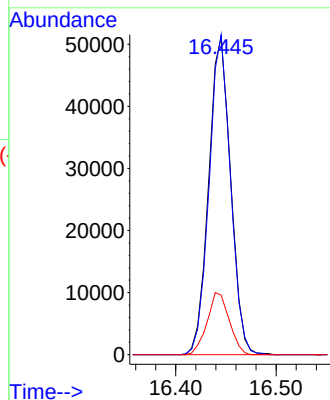
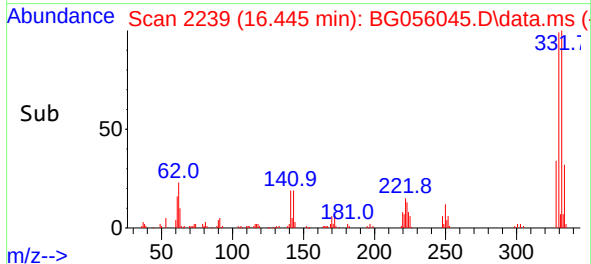
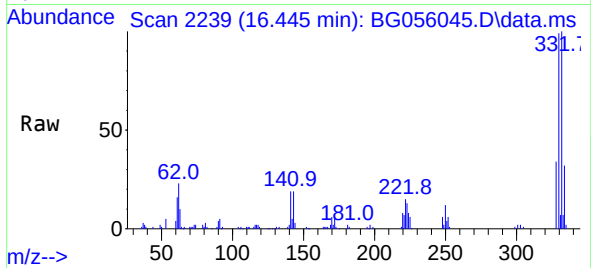
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Tgt Ion:330 Resp: 7800
Ion Ratio Lower Upper
330 100
332 97.7 76.6 114.8
141 19.7 15.0 22.4

Manual Integrations

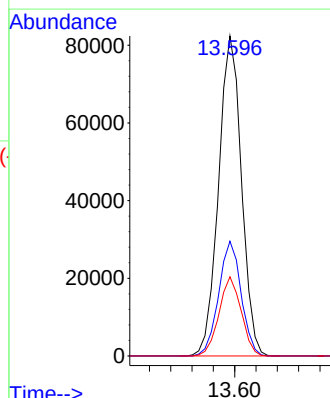
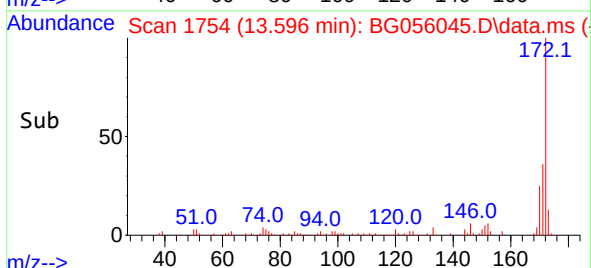
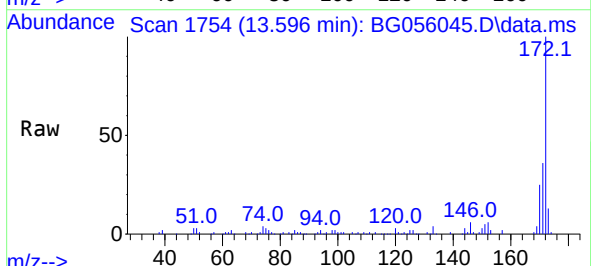
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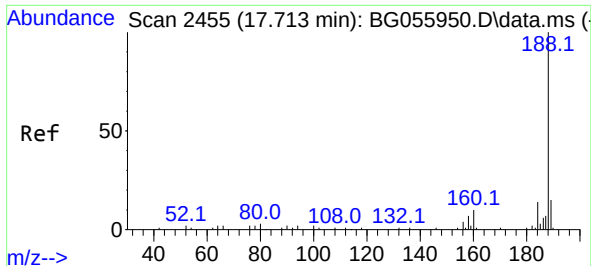
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#45
2-Fluorobiphenyl
Concen: 53.207 ng
RT: 13.596 min Scan# 1754
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

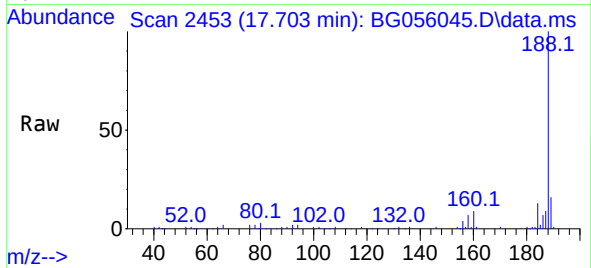
Tgt Ion:172 Resp: 122699
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 24.8 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.703 min Scan# 2453
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

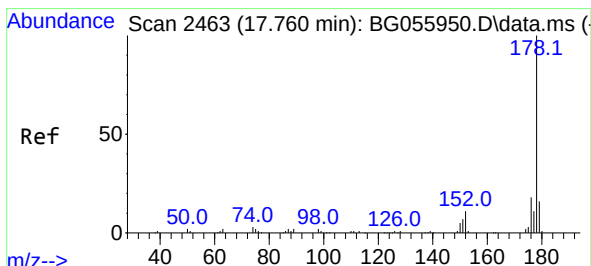
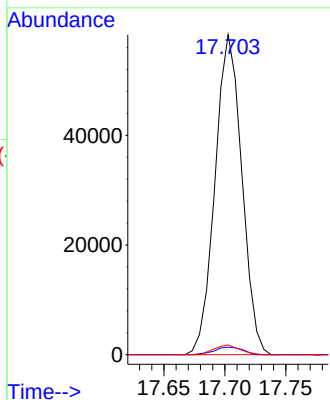
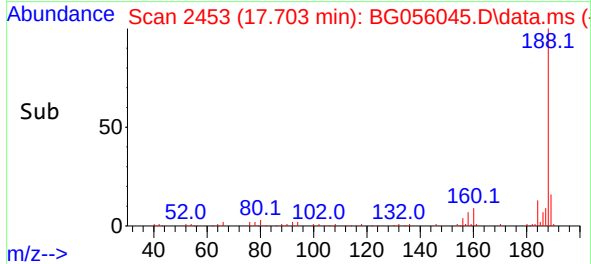
Instrument :
BNA_G
ClientSampleId :
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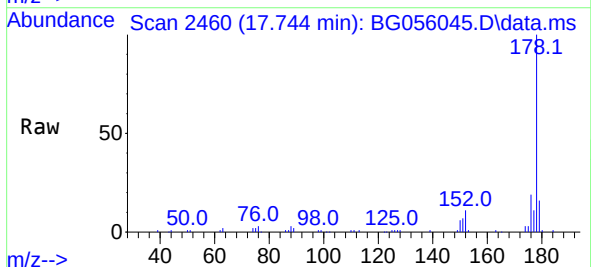
Tgt Ion:188 Resp: 89139
Ion Ratio Lower Upper
188 100
94 2.4 1.8 2.8
80 3.1 2.4 3.6

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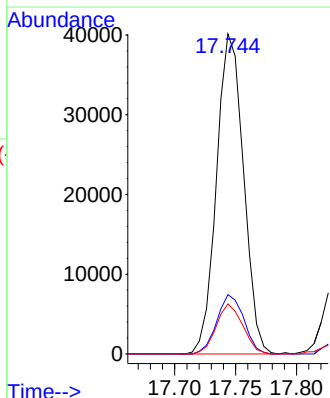
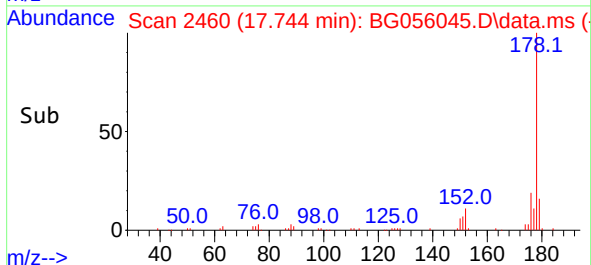
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

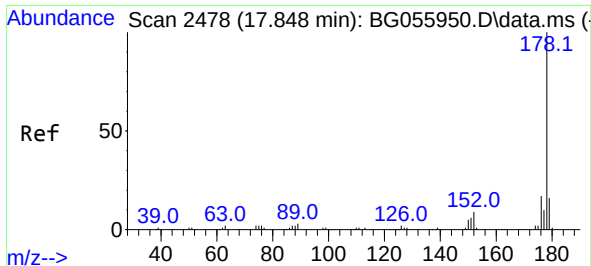


#71
Phenanthrene
Concen: 13.231 ng
RT: 17.744 min Scan# 2460
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36



Tgt Ion:178 Resp: 61807
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.6 12.7 19.1





#72
 Anthracene
 Concen: 3.960 ng
 RT: 17.838 min Scan# 2478
 Delta R.T. -0.004 min
 Lab File: BG056045.D
 Acq: 21 Dec 2022 12:36

Instrument :

BNA_G

ClientSampleId :

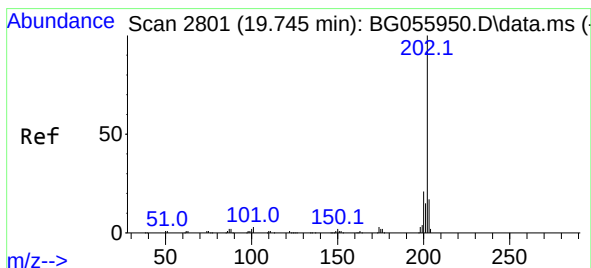
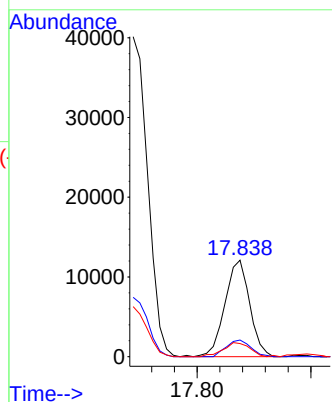
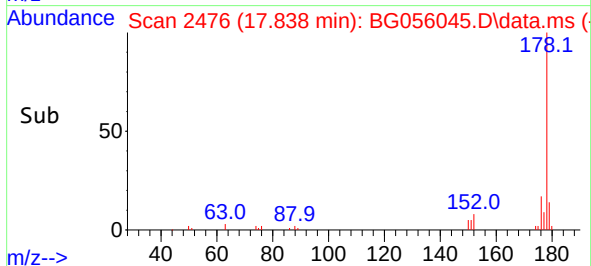
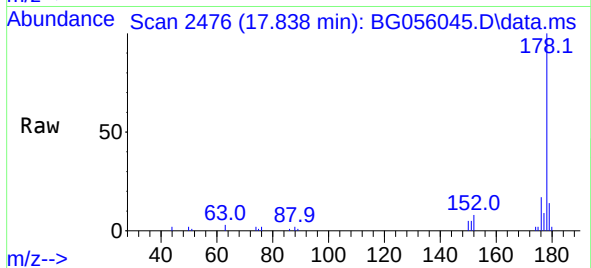
FVSUB-TP2-COMP-02

Tgt Ion:178 Resp: 1830
 Ion Ratio Lower Upper
 178 100
 176 17.2 13.9 20.9
 179 13.6 12.7 19.1

Manual Integrations

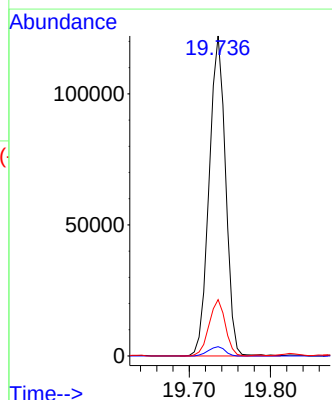
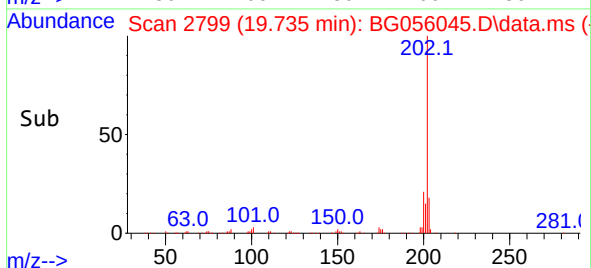
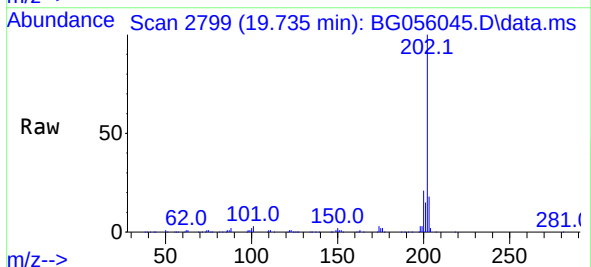
APPROVED

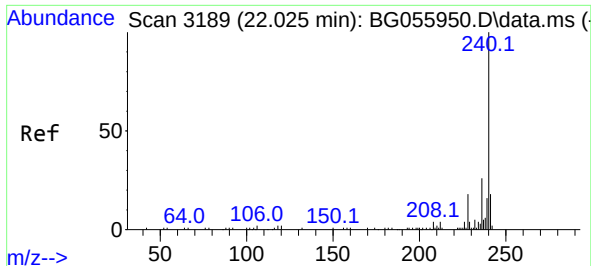
Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022



#75
 Fluoranthene
 Concen: 26.218 ng
 RT: 19.735 min Scan# 2799
 Delta R.T. -0.004 min
 Lab File: BG056045.D
 Acq: 21 Dec 2022 12:36

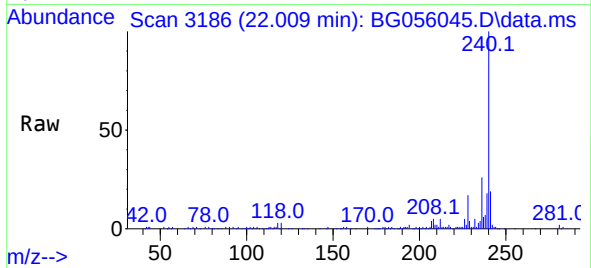
Tgt Ion:202 Resp: 171501
 Ion Ratio Lower Upper
 202 100
 101 2.9 0.0 22.6
 203 17.6 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.009 min Scan# 3189
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

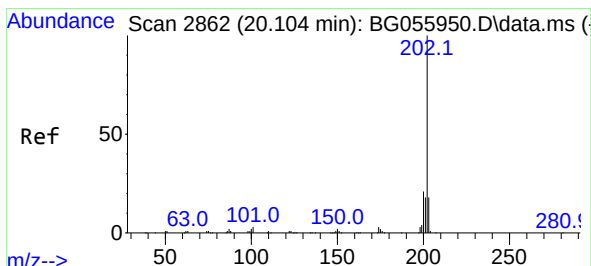
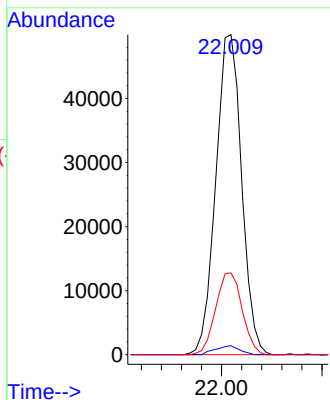
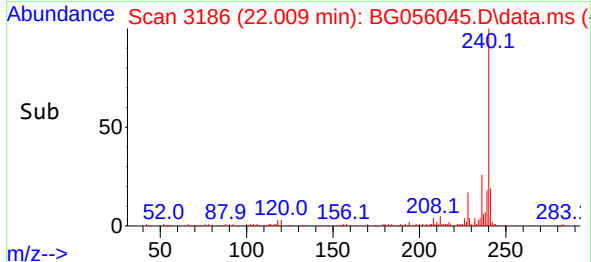
Instrument :
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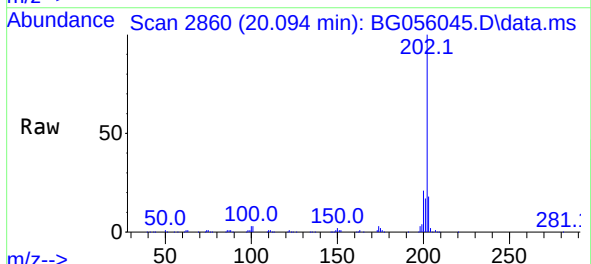
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Ion Ratio Lower Upper
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120 2.8 1.7 2.5
236 25.6 21.1 31.7

Manual Integrations
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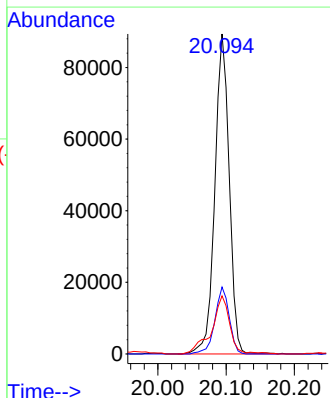
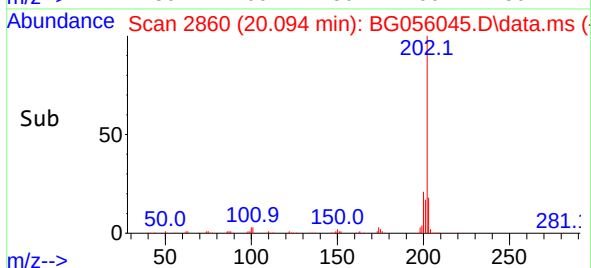
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Supervised By :mohammad ahmed 12/22/2022

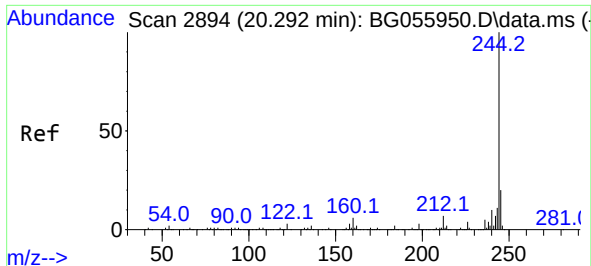


#78
Pyrene
Concen: 24.262 ng
RT: 20.094 min Scan# 2860
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36



Tgt Ion:202 Resp: 130872
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 18.2 14.6 21.8





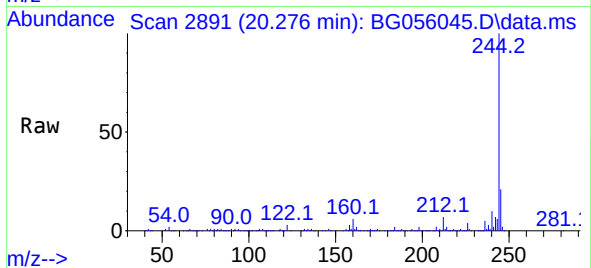
#79
 Terphenyl-d14
 Concen: 55.522 ng
 RT: 20.276 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG056045.D
 Acq: 21 Dec 2022 12:36

Instrument :

BNA_G

ClientSampleId :

FVSUB-TP2-COMP-02

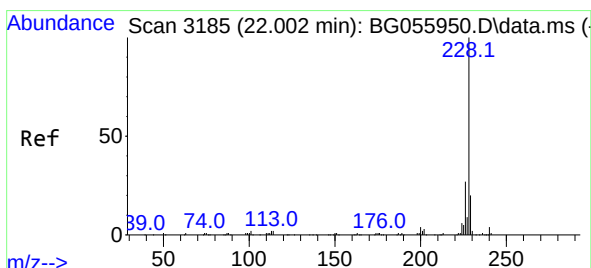
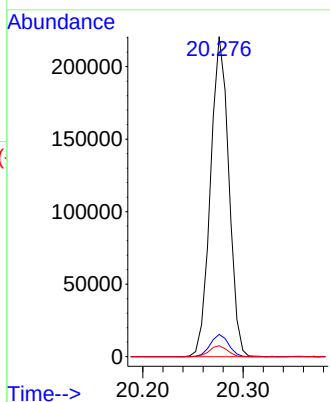
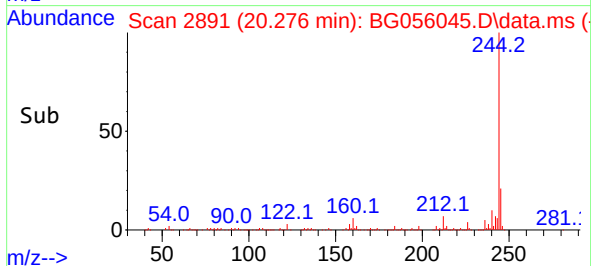


Tgt Ion:244 Resp: 28003
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 3.4 2.5 3.7

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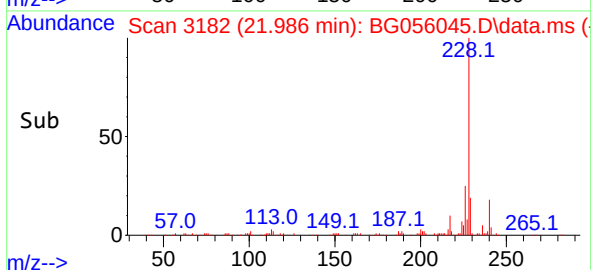
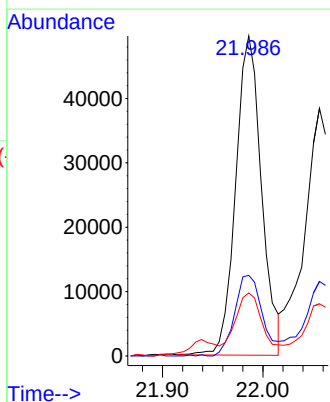
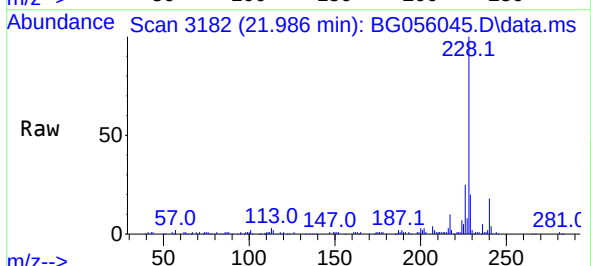
APPROVED

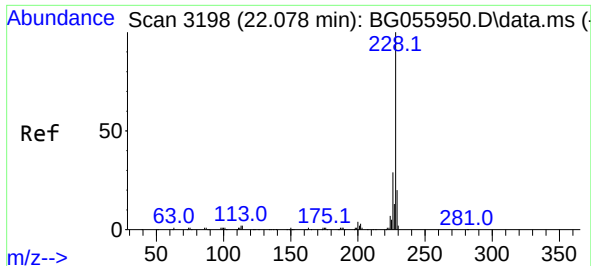
Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022



#81
 Benzo(a)anthracene
 Concen: 14.154 ng
 RT: 21.986 min Scan# 3182
 Delta R.T. -0.010 min
 Lab File: BG056045.D
 Acq: 21 Dec 2022 12:36

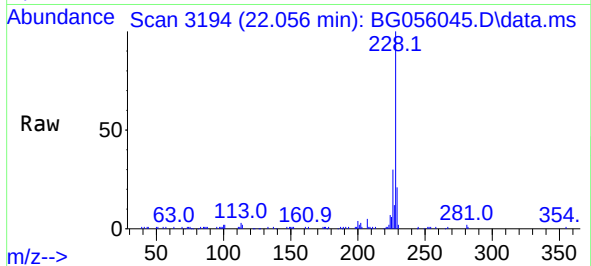
Tgt Ion:228 Resp: 88784
 Ion Ratio Lower Upper
 228 100
 226 25.2 21.8 32.6
 229 19.7 15.9 23.9





#83
Chrysene
Concen: 12.784 ng
RT: 22.056 min Scan# 3194
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

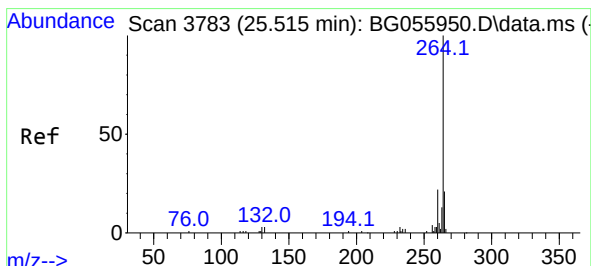
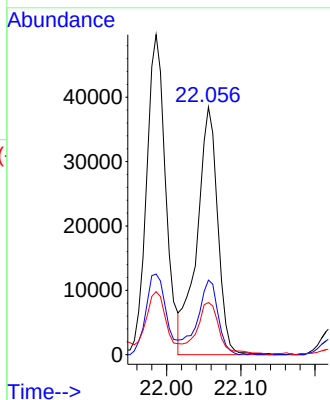
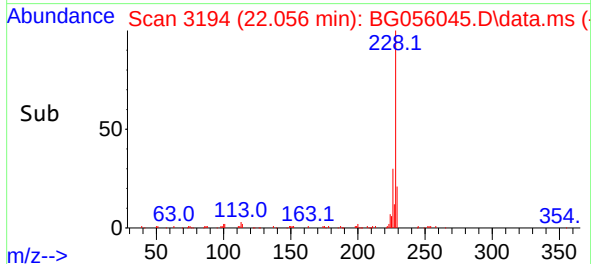
Instrument :
BNA_G
ClientSampleId :
FVSUB-TP2-COMP-02



Tgt Ion:228 Resp: 7515
Ion Ratio Lower Upper
228 100
226 30.1 23.1 34.7
229 21.0 15.7 23.5

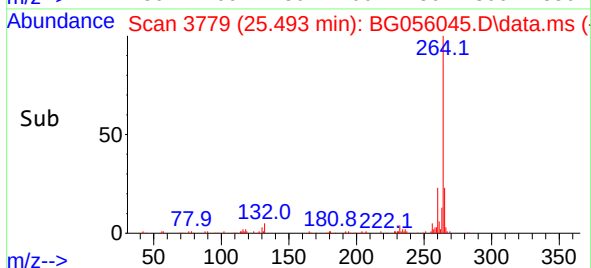
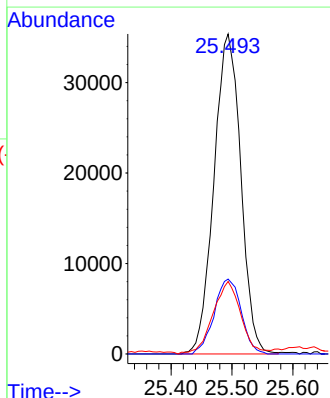
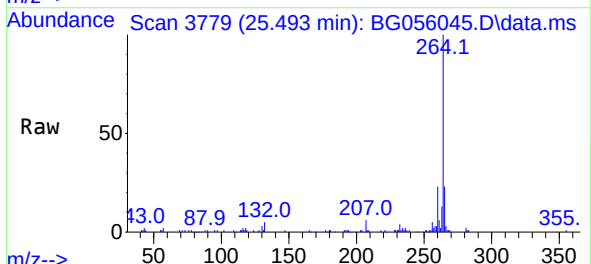
Manual Integrations
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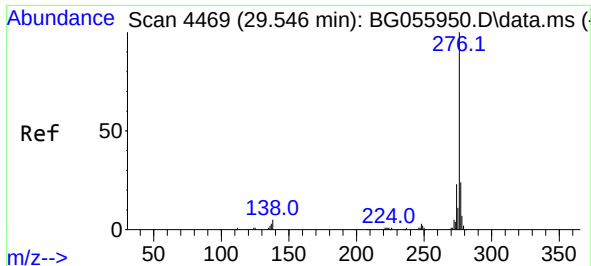
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.493 min Scan# 3779
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

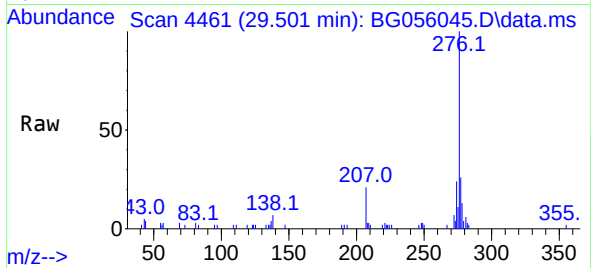
Tgt Ion:264 Resp: 108109
Ion Ratio Lower Upper
264 100
260 23.4 17.8 26.8
265 22.6 16.6 25.0





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.991 ng
 RT: 29.501 min Scan# 4461
 Delta R.T. -0.022 min
 Lab File: BG056045.D
 Acq: 21 Dec 2022 12:36

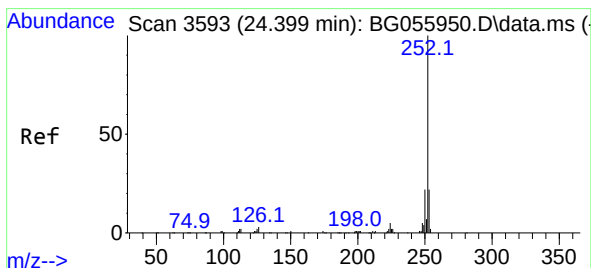
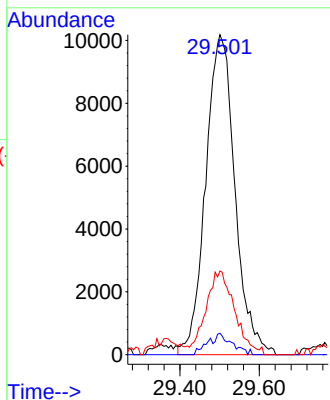
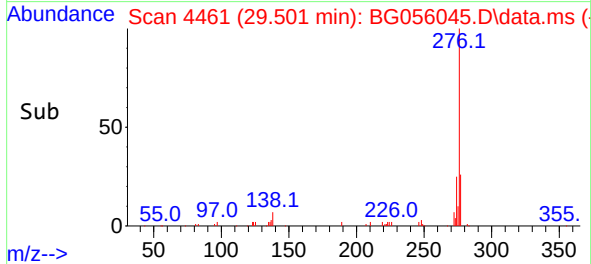
Instrument :
 BNA_G
 ClientSampleId :
 FVSUB-TP2-COMP-02



Tgt Ion:276 Resp: 5208
 Ion Ratio Lower Upper
 276 100
 138 3.7 3.0 4.4
 277 25.6 20.4 30.6

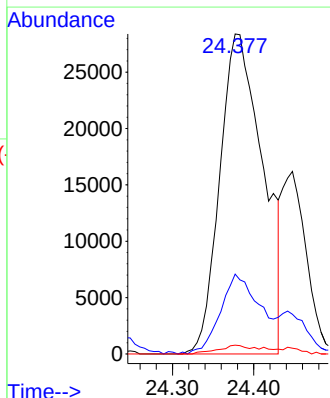
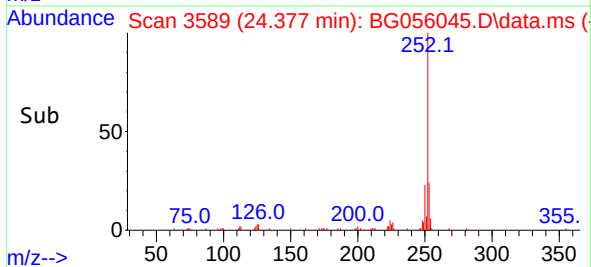
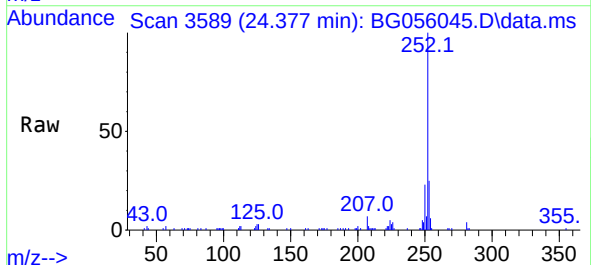
Manual Integrations
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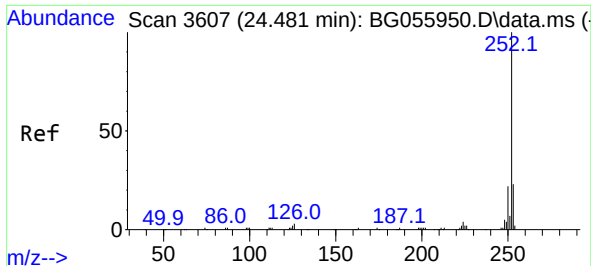
Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022



#88
 Benzo(b)fluoranthene
 Concen: 14.976 ng
 RT: 24.377 min Scan# 3589
 Delta R.T. -0.010 min
 Lab File: BG056045.D
 Acq: 21 Dec 2022 12:36

Tgt Ion:252 Resp: 104783
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.4 26.0
 125 2.7 1.8 2.8





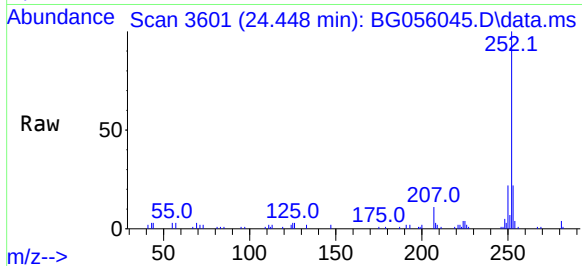
#89
Benzo(k)fluoranthene
Concen: 4.789 ng m
RT: 24.448 min Scan# 30
Delta R.T. -0.016 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Instrument :

BNA_G

ClientSampleId :

FVSub-TP2-COMP-02

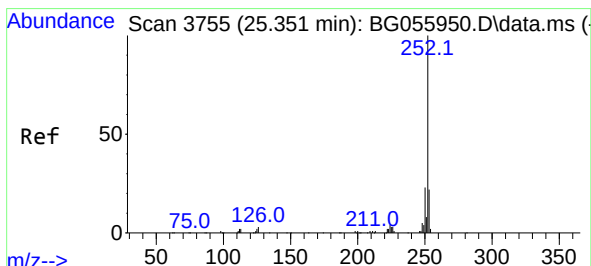
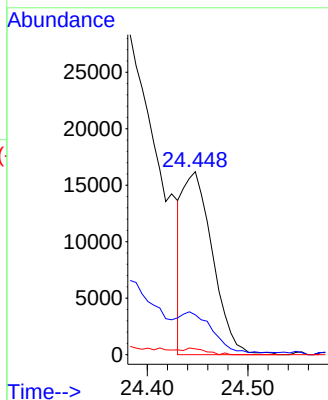
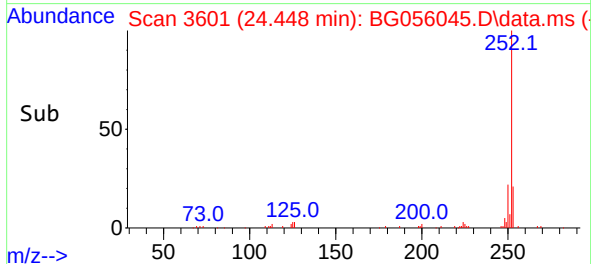


Tgt Ion:252 Resp: 33428
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 3.1 2.0 3.0

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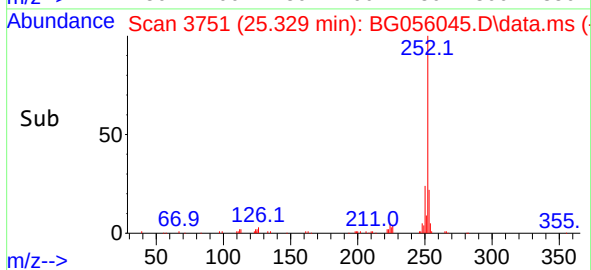
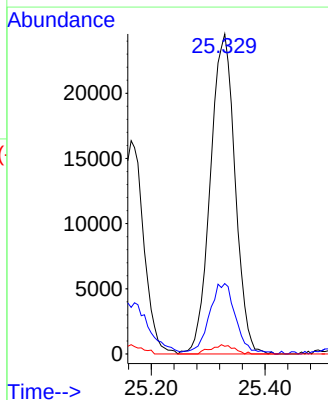
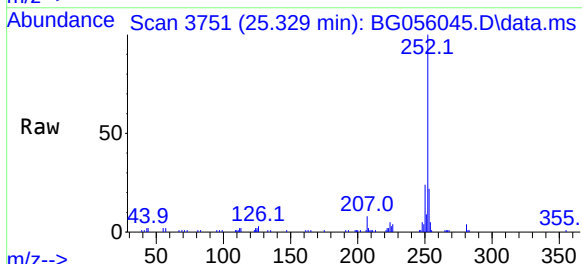
APPROVED

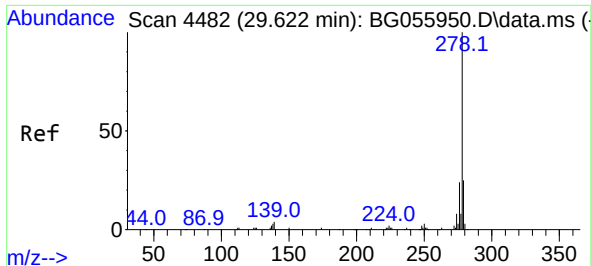
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#90
Benzo(a)pyrene
Concen: 12.493 ng
RT: 25.329 min Scan# 3751
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

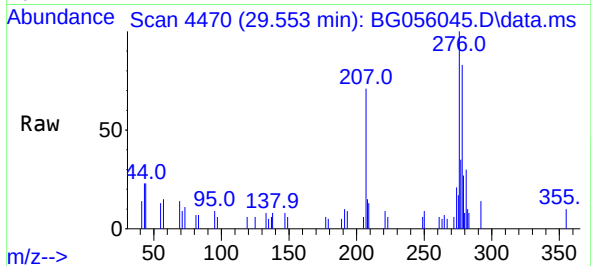
Tgt Ion:252 Resp: 73887
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 2.4 1.9 2.9





#91
Dibenzo(a,h)anthracene
Concen: 2.052 ng
RT: 29.553 min Scan# 4482
Delta R.T. -0.039 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

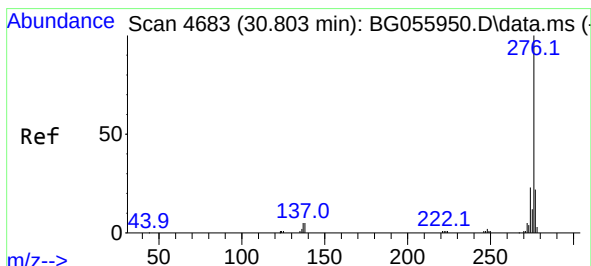
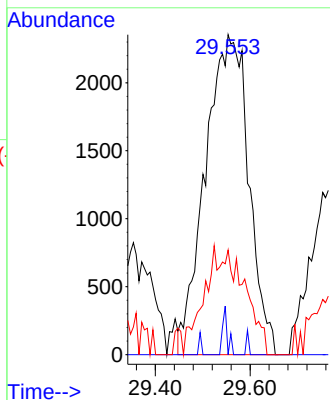
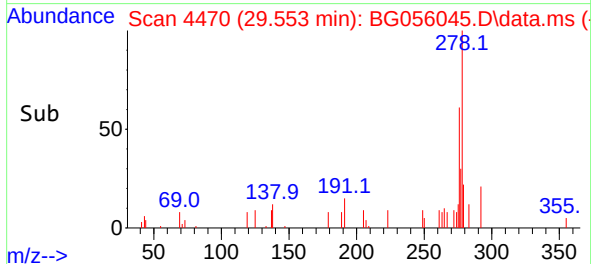
Instrument :
BNA_G
ClientSampleId :
FVSUB-TP2-COMP-02



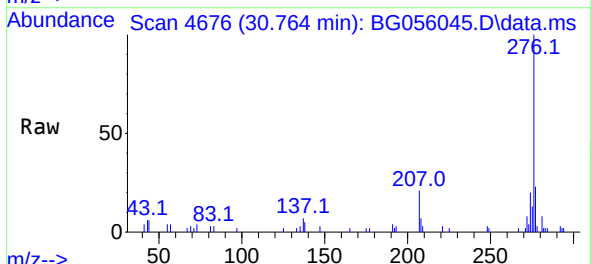
Tgt Ion:278 Resp: 1493
Ion Ratio Lower Upper
278 100
139 0.0 2.9 4.3
279 32.7 20.0 30.0

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



#92
Benzo(g,h,i)perylene
Concen: 6.611 ng
RT: 30.764 min Scan# 4676
Delta R.T. -0.028 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36



Tgt Ion:276 Resp: 46513
Ion Ratio Lower Upper
276 100
277 22.8 17.8 26.6
138 4.8 3.8 5.6

