

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
 Data File : BG056005.D
 Acq On : 16 Dec 2022 22:36
 Operator : CG/JU
 Sample : N6024-04DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-21DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022

Quant Time: Dec 17 01:26:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 01:18:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.371	152	10092	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	36155	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	30712	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	79900	20.000	ng	0.00
76) Chrysene-d12	22.026	240	82267	20.000	ng	0.00
86) Perylene-d12	25.528	264	98976	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.892	112	22567	52.441	ng	0.00
7) Phenol-d6	7.496	99	28057	50.693	ng	0.00
23) Nitrobenzene-d5	9.540	82	18494	35.746	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	40679	54.930	ng	-0.01
45) 2-Fluorobiphenyl	13.606	172	67119	30.650	ng	0.00
79) Terphenyl-d14	20.293	244	142210	30.552	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.760	178	74649	17.828	ng	99
72) Anthracene	17.848	178	10074	2.432	ng	96
75) Fluoranthene	19.746	202	183213	31.247	ng	97
78) Pyrene	20.110	202	206211	41.424	ng	100
81) Benzo(a)anthracene	22.002	228	117153	20.237	ng	97
83) Chrysene	22.079	228	130627m	24.076	ng	
87) Indeno(1,2,3-cd)pyrene	29.564	276	87803	11.032	ng	# 98
88) Benzo(b)fluoranthene	24.417	252	158473	24.740	ng	99
89) Benzo(k)fluoranthene	24.482	252	56379m	8.822	ng	
90) Benzo(a)pyrene	25.363	252	129001	23.825	ng	100
91) Dibenzo(a,h)anthracene	29.599	278	25525	3.832	ng	# 92
92) Benzo(g,h,i)perylene	30.821	276	94292	14.640	ng	99

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

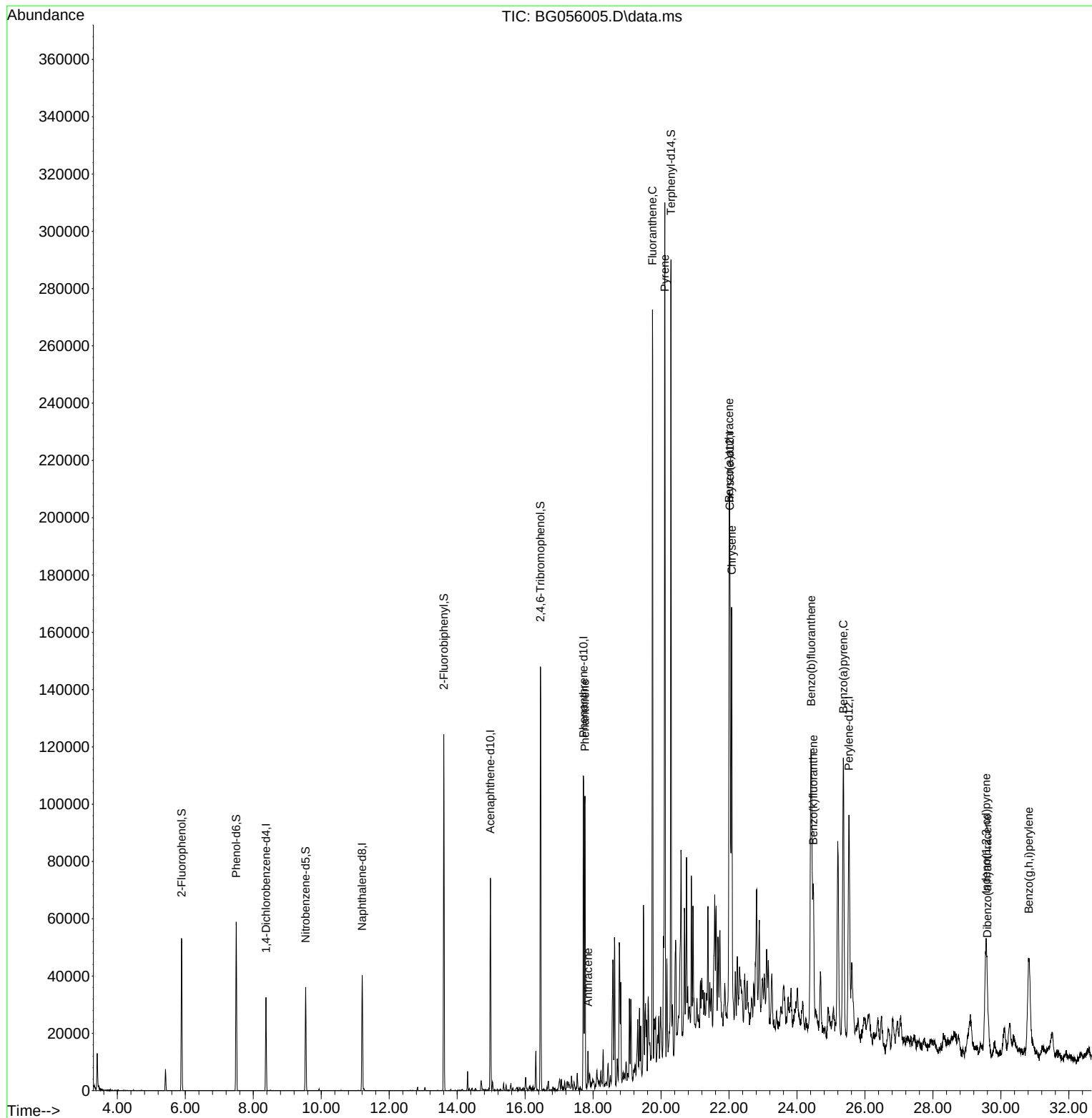
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121622\
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ALS Vial : 15 Sample Multiplier: 1

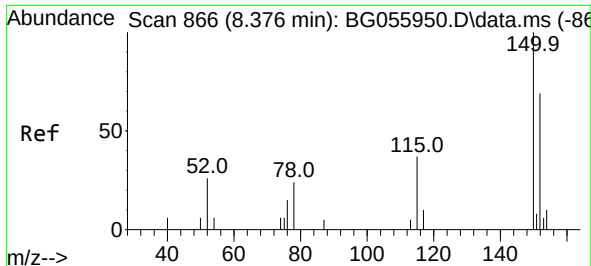
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 17 01:18:54 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.371 min Scan# 80
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

ClientSampleId :

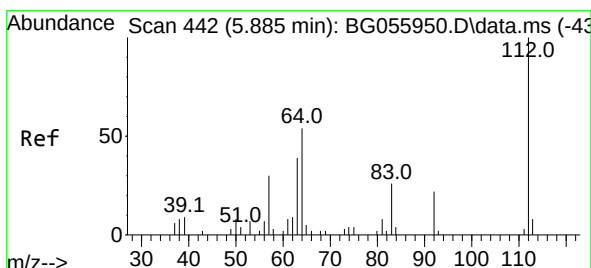
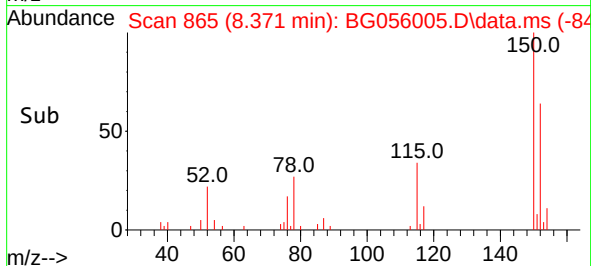
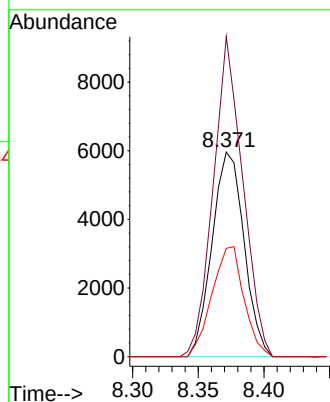
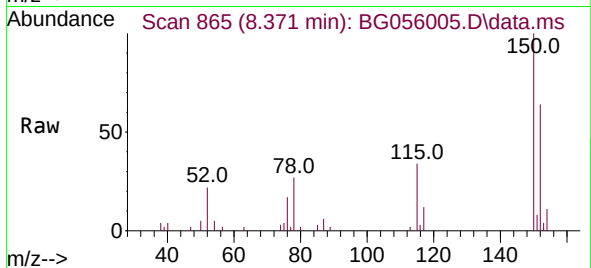
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Tgt Ion:152 Resp: 1009
Ion Ratio Lower Upper
152 100
150 156.3 115.7 173.5
115 52.9 43.0 64.4

Manual Integrations

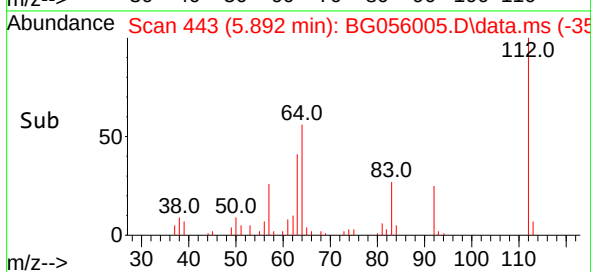
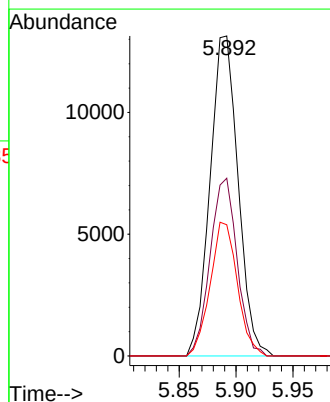
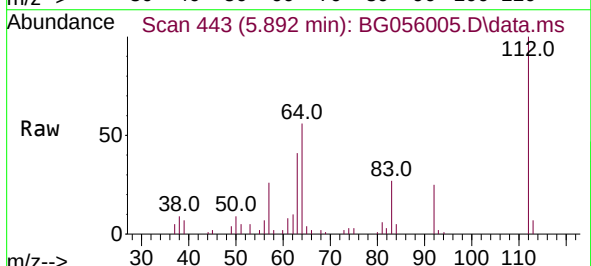
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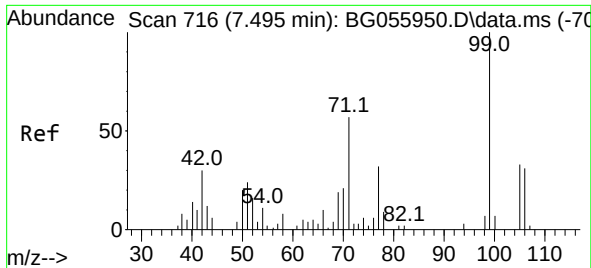
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#5
2-Fluorophenol
Concen: 52.441 ng
RT: 5.892 min Scan# 443
Delta R.T. 0.007 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:112 Resp: 22567
Ion Ratio Lower Upper
112 100
64 55.6 43.0 64.4
63 41.0 31.4 47.2





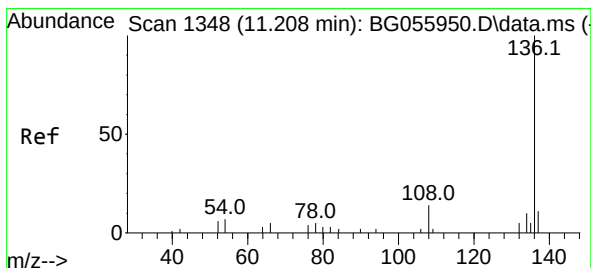
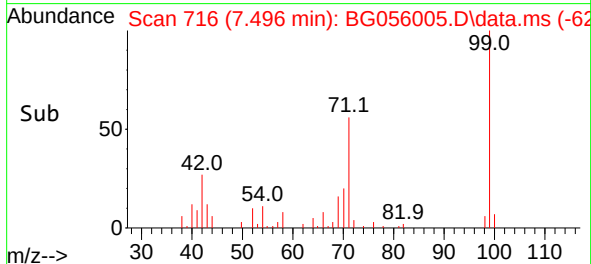
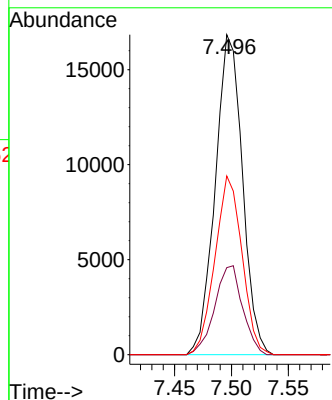
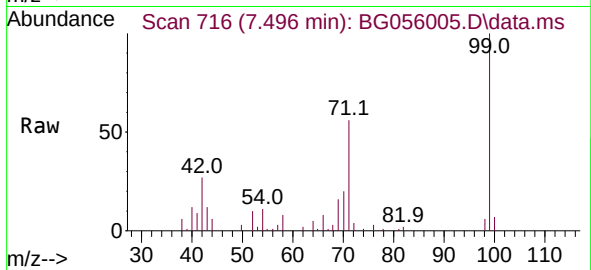
#7
Phenol-d6
Concen: 50.693 ng
RT: 7.496 min Scan# 716
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Instrument :
BNA_G
ClientSampleId :
MH-21DL

Tgt Ion: 99 Resp: 2805
Ion Ratio Lower Upper
99 100
42 27.2 24.3 36.5
71 55.8 45.6 68.4

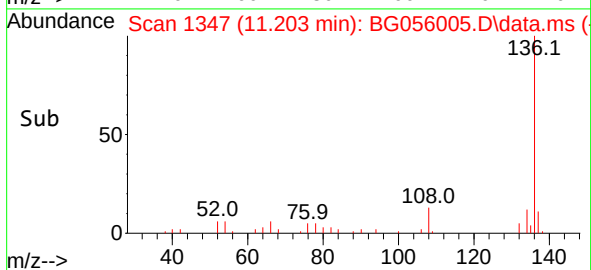
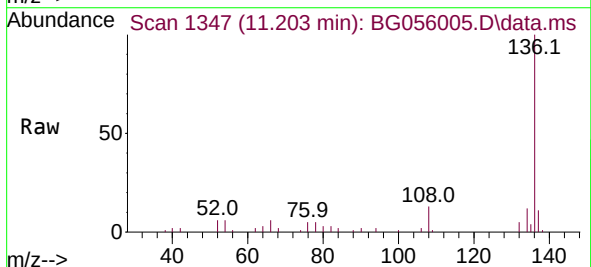
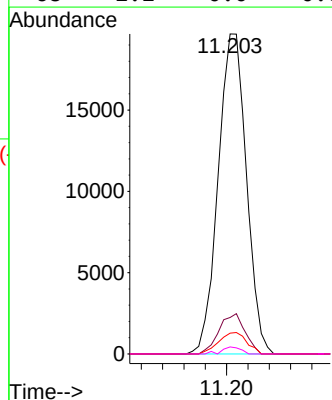
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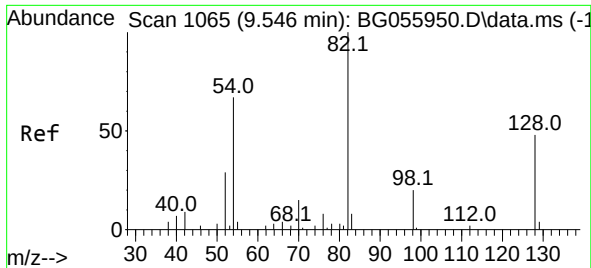
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 1347
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:136 Resp: 36155
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 6.5 5.6 8.4
68 2.2 0.0 0.0#





#23
Nitrobenzene-d5
Concen: 35.746 ng
RT: 9.540 min Scan# 1064
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

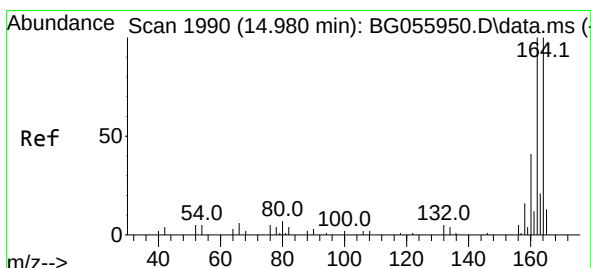
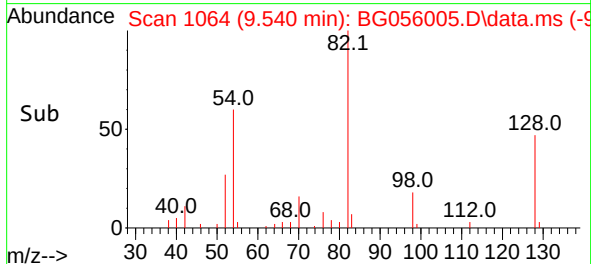
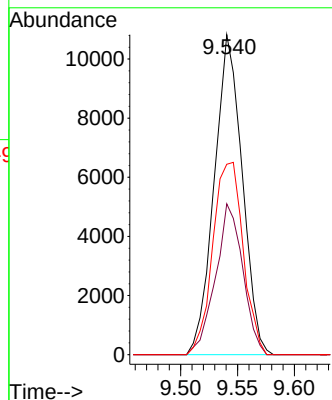
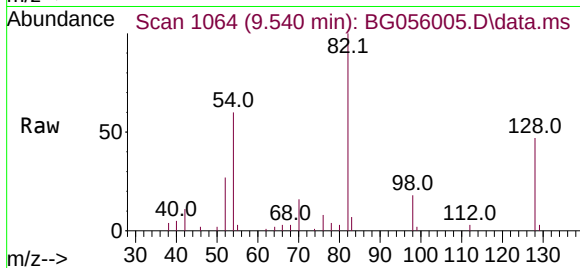
ClientSampleId :

MH-21DL

Tgt Ion: 82 Resp: 18494
Ion Ratio Lower Upper
82 100
128 47.1 38.4 57.6
54 59.5 53.3 79.9

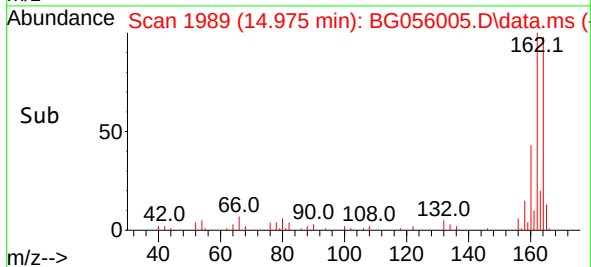
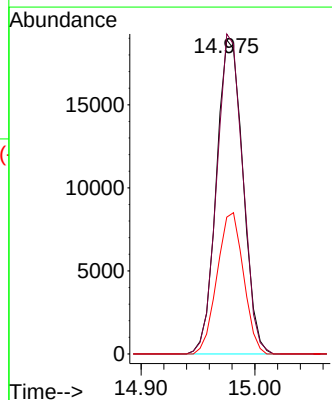
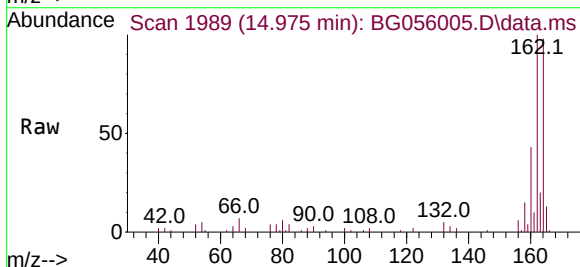
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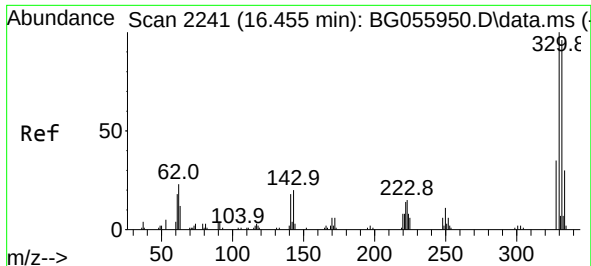
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1989
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:164 Resp: 30712
Ion Ratio Lower Upper
164 100
162 101.9 79.8 119.8
160 43.5 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 54.930 ng
RT: 16.450 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

ClientSampleId :

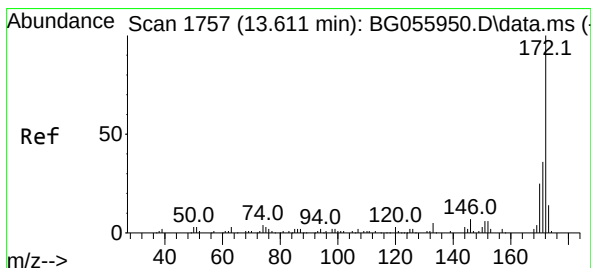
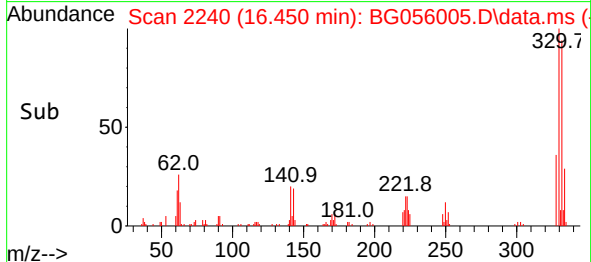
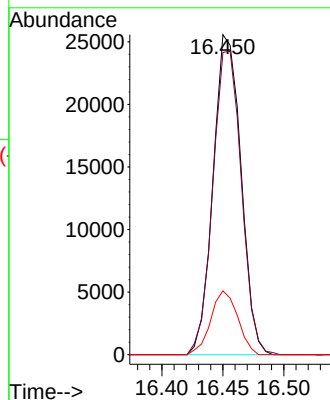
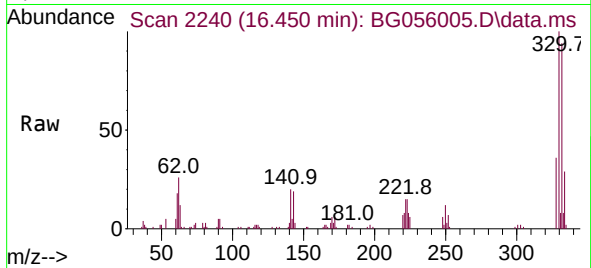
MH-21DL

Tgt Ion:330 Resp: 40679
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 19.3 15.0 22.4

Manual Integrations

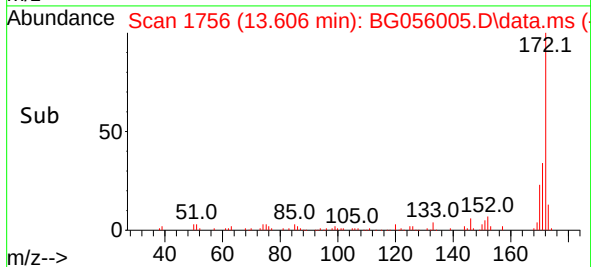
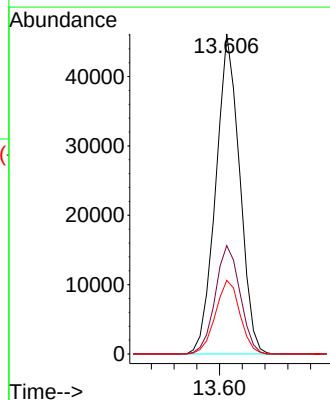
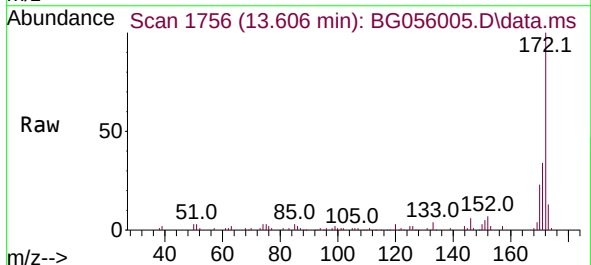
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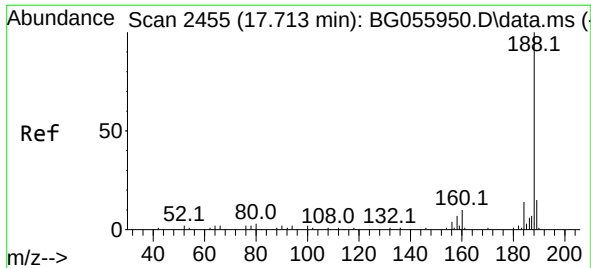
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#45
2-Fluorobiphenyl
Concen: 30.650 ng
RT: 13.606 min Scan# 1756
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Tgt Ion:172 Resp: 67119
Ion Ratio Lower Upper
172 100
171 33.8 28.6 42.8
170 23.0 19.9 29.9





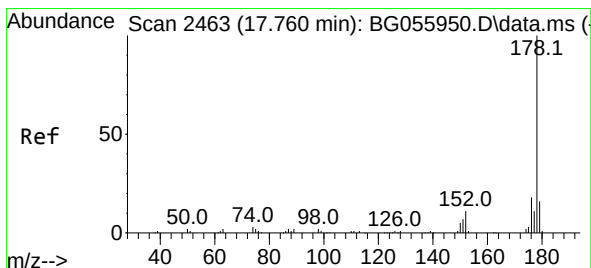
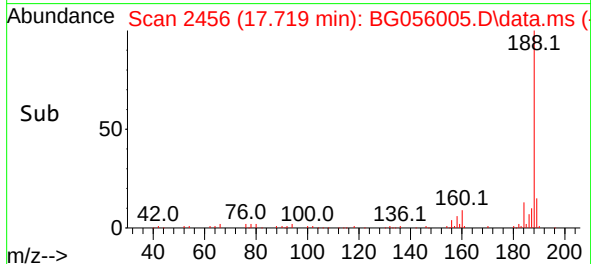
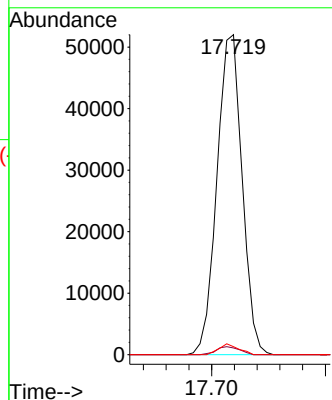
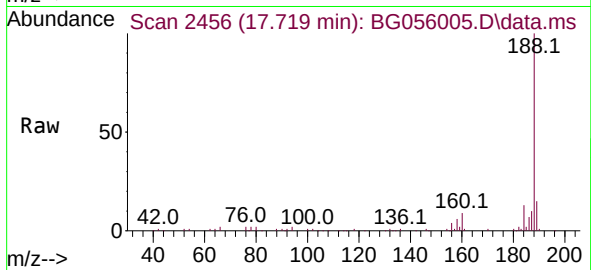
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.719 min Scan# 2455
Delta R.T. 0.001 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Instrument :
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ClientSampleId :
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Tgt Ion:188 Resp: 79900
Ion Ratio Lower Upper
188 100
94 2.1 1.8 2.8
80 2.5 2.4 3.6

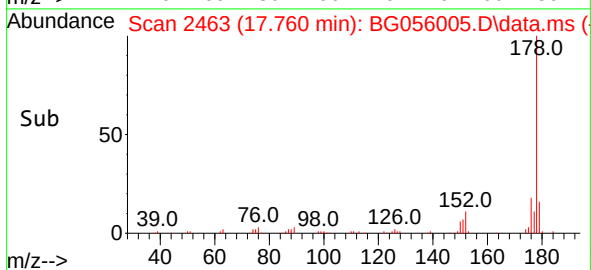
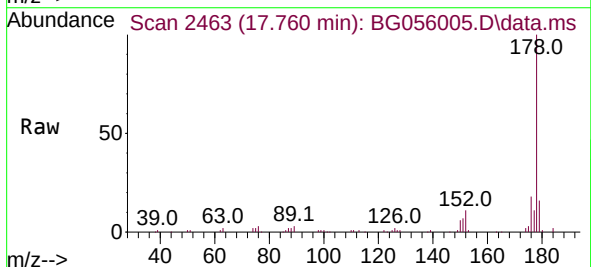
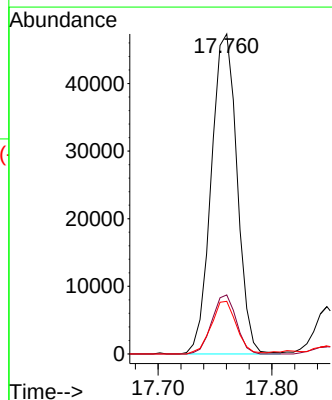
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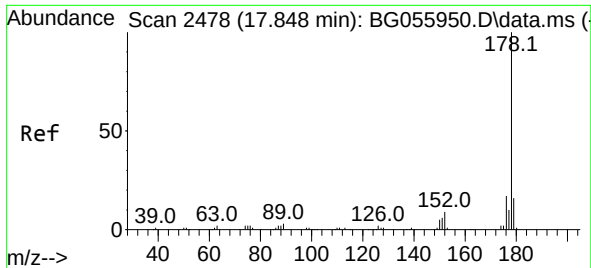
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#71
Phenanthrene
Concen: 17.828 ng
RT: 17.760 min Scan# 2463
Delta R.T. 0.001 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

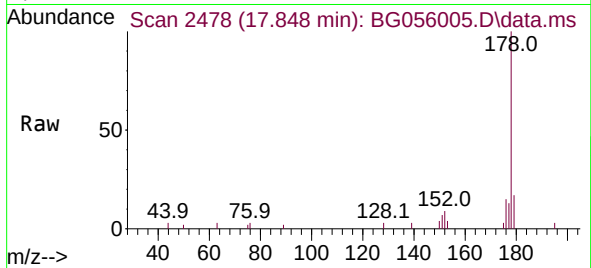
Tgt Ion:178 Resp: 74649
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 16.5 12.7 19.1





#72
 Anthracene
 Concen: 2.432 ng
 RT: 17.848 min Scan# 2478
 Delta R.T. -0.005 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36

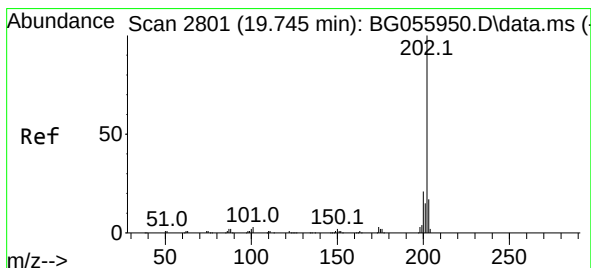
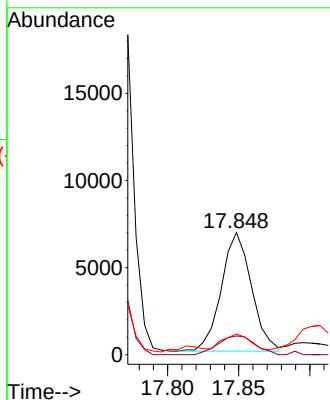
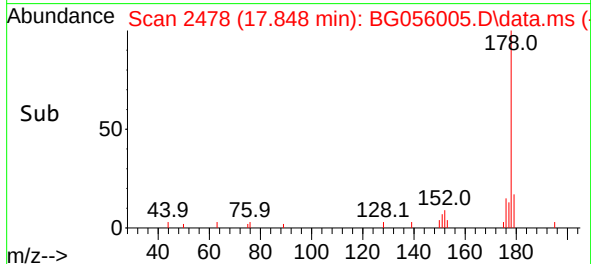
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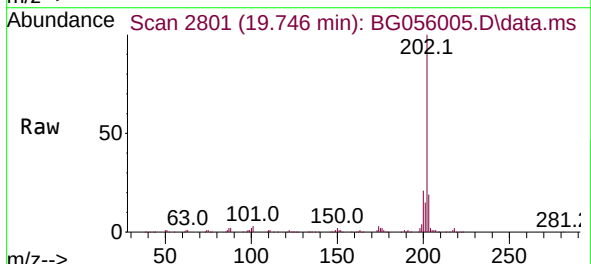
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 Ion Ratio Lower Upper
 178 100
 176 15.3 13.9 20.9
 179 16.9 12.7 19.1

Manual Integrations
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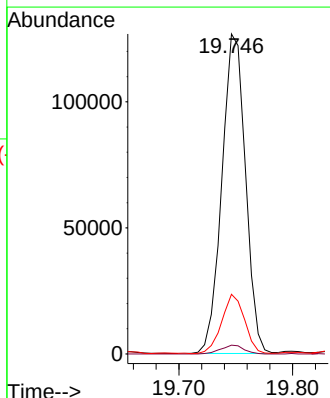
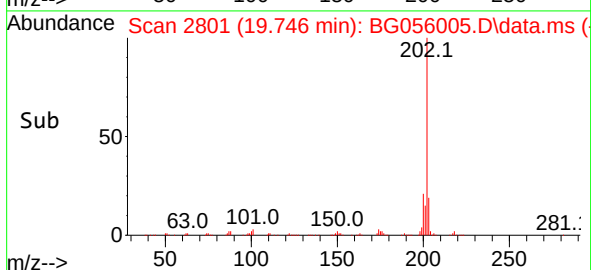
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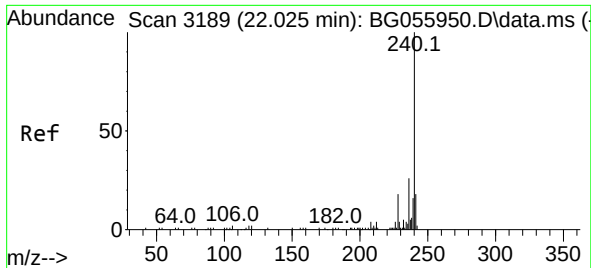


#75
 Fluoranthene
 Concen: 31.247 ng
 RT: 19.746 min Scan# 2801
 Delta R.T. -0.005 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36



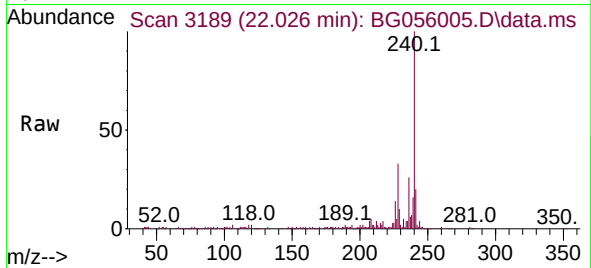
Tgt Ion:202 Resp: 183213
 Ion Ratio Lower Upper
 202 100
 101 2.8 0.0 22.6
 203 18.6 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.026 min Scan# 3189
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

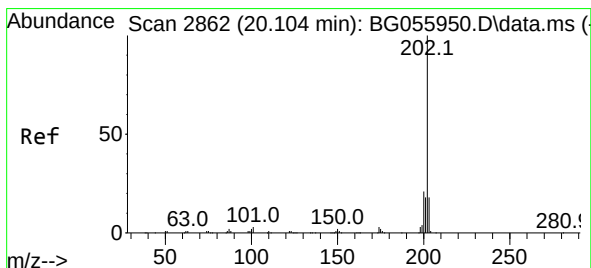
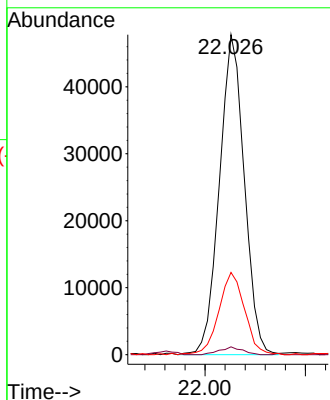
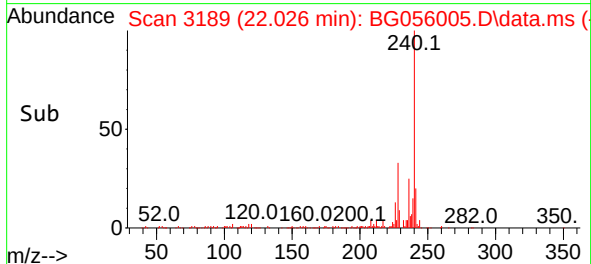
Instrument :
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ClientSampleId :
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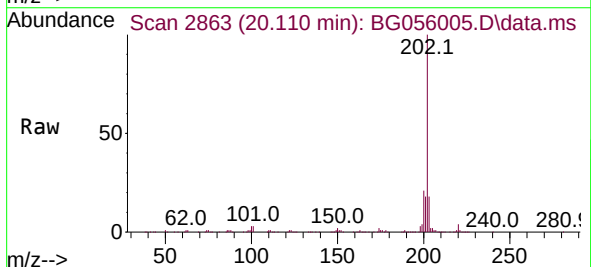
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Ion Ratio Lower Upper
240 100
120 2.5 1.7 2.5
236 25.7 21.1 31.7

Manual Integrations
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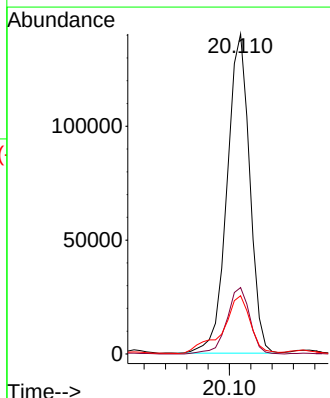
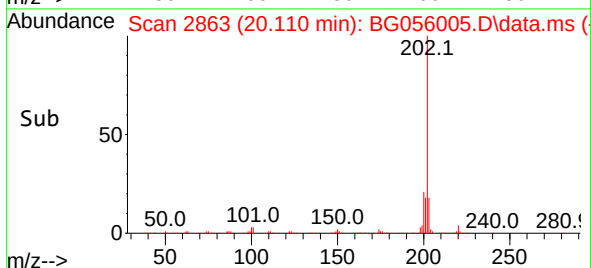
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Supervised By :mohammad ahmed 12/19/2022

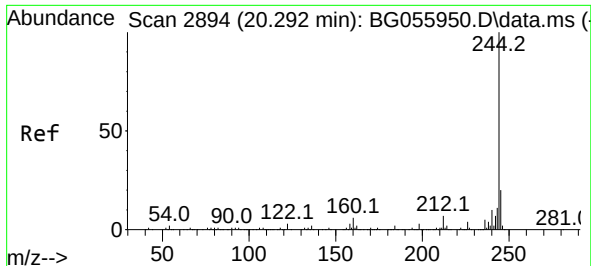


#78
Pyrene
Concen: 41.424 ng
RT: 20.110 min Scan# 2863
Delta R.T. 0.001 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36



Tgt Ion:202 Resp: 206211
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 18.2 14.6 21.8





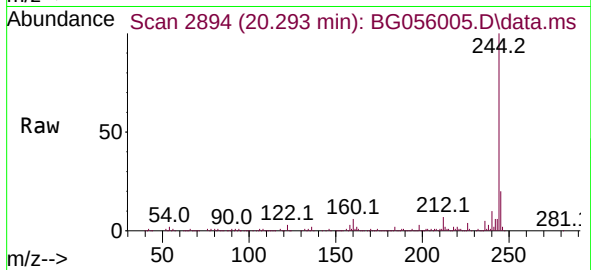
#79
 Terphenyl-d14
 Concen: 30.552 ng
 RT: 20.293 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

ClientSampleId :

MH-21DL

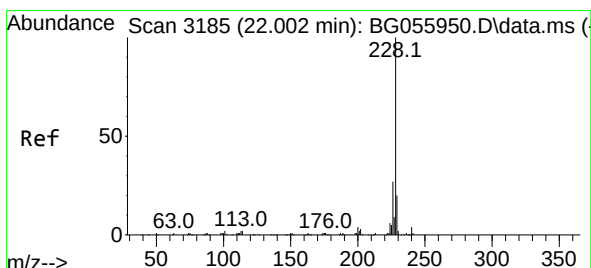
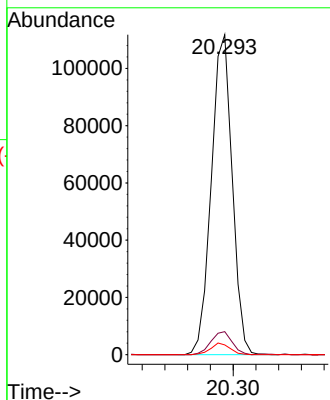
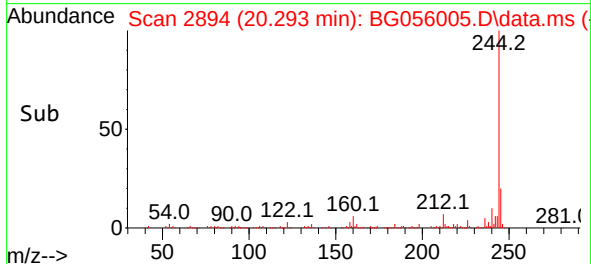


Tgt Ion:244 Resp: 142210
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 3.1 2.5 3.7

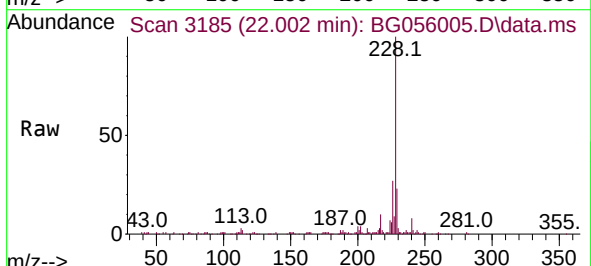
Manual Integrations

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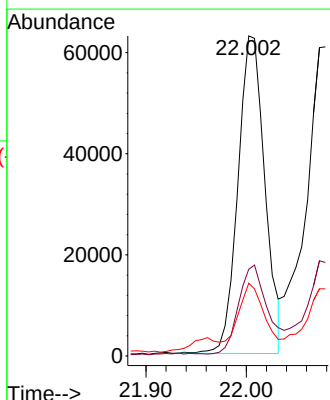
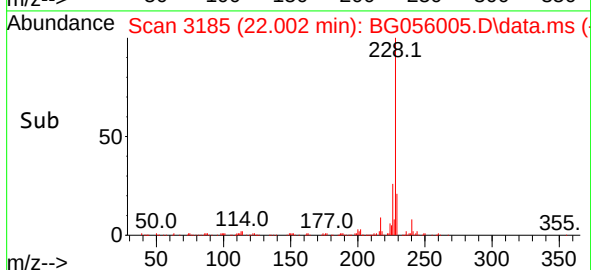
Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022

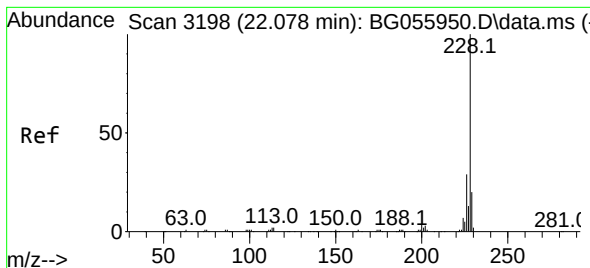


#81
 Benzo(a)anthracene
 Concen: 20.237 ng
 RT: 22.002 min Scan# 3185
 Delta R.T. -0.005 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36



Tgt Ion:228 Resp: 117153
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.8 32.6
 229 22.7 15.9 23.9





#83

Chrysene

Concen: 24.076 ng m

RT: 22.079 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

ClientSampleId :

MH-21DL

Tgt Ion:228 Resp: 13062

Ion Ratio Lower Upper

228 100

226 30.2 23.1 34.7

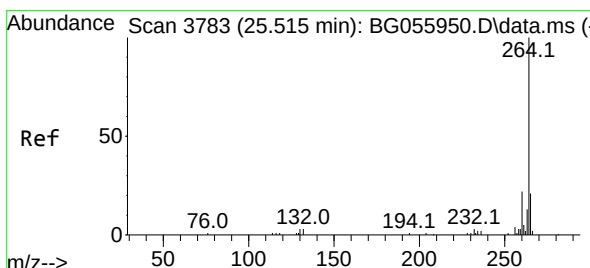
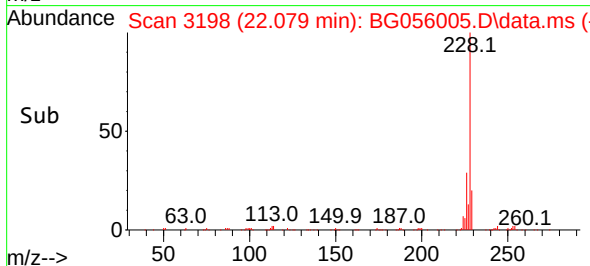
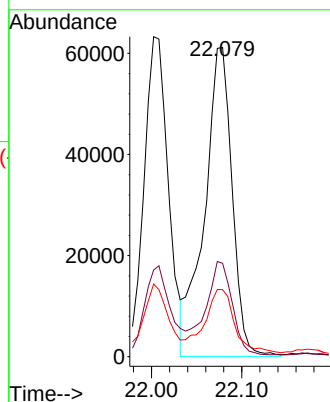
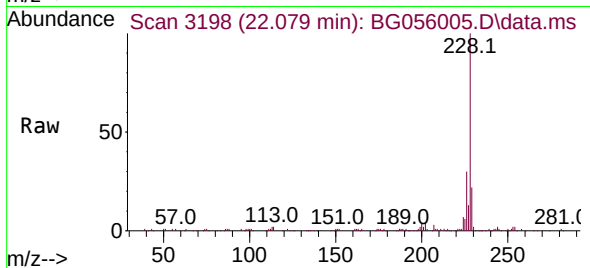
229 21.7 15.7 23.5

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Reviewed By :Yogesh Patel 12/19/2022

Supervised By :mohammad ahmed 12/19/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.528 min Scan# 3785

Delta R.T. -0.005 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

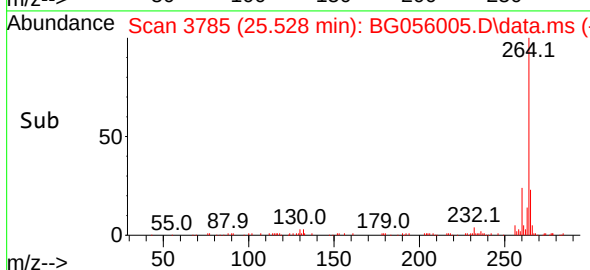
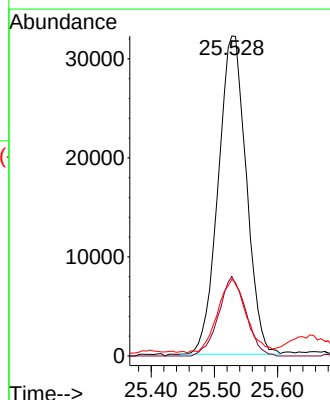
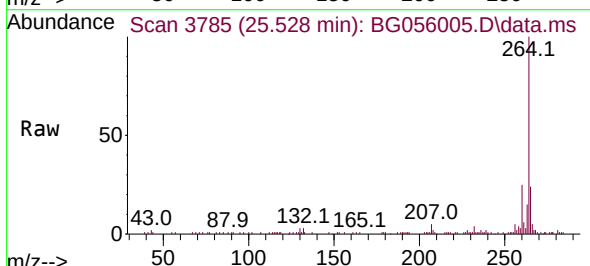
Tgt Ion:264 Resp: 98976

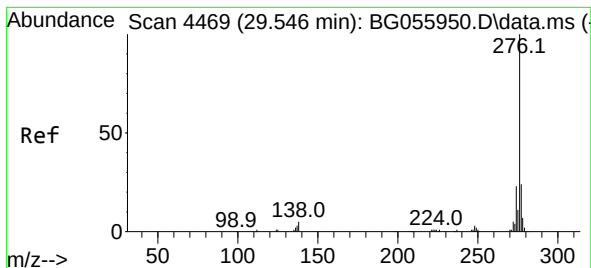
Ion Ratio Lower Upper

264 100

260 24.8 17.8 26.8

265 24.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.032 ng

RT: 29.564 min Scan# 4469

Delta R.T. -0.005 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

ClientSampleId :

MH-21DL

Tgt Ion:276 Resp: 8780

Ion Ratio Lower Upper

276 100

138 4.8 3.0 4.4

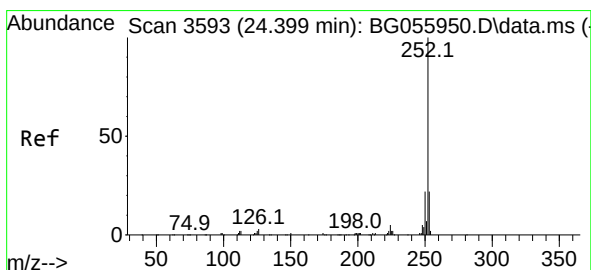
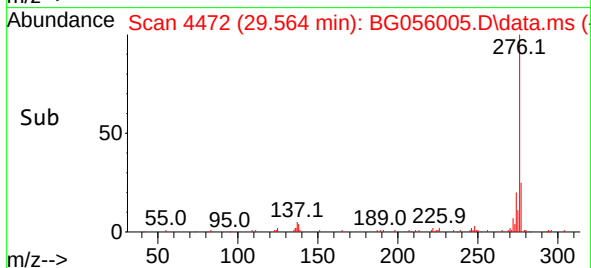
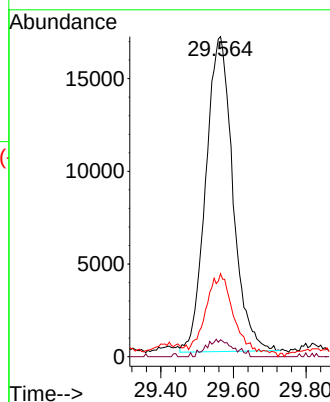
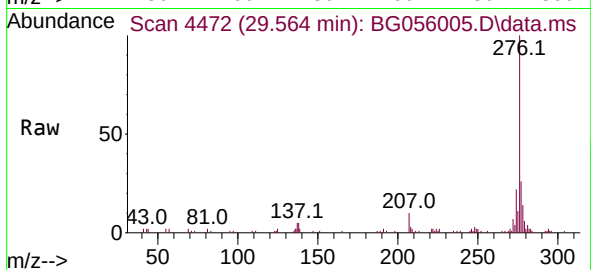
277 24.8 20.4 30.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/19/2022

Supervised By :mohammad ahmed 12/19/2022



#88

Benzo(b)fluoranthene

Concen: 24.740 ng

RT: 24.417 min Scan# 3596

Delta R.T. 0.001 min

Lab File: BG056005.D

Acq: 16 Dec 2022 22:36

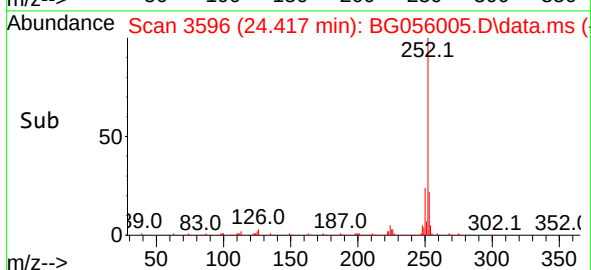
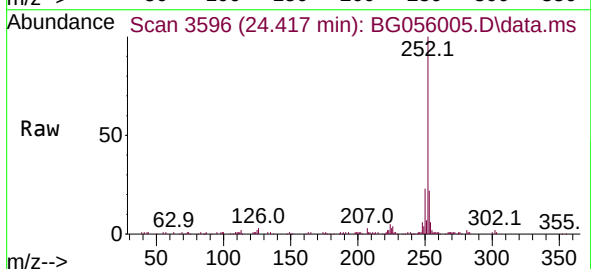
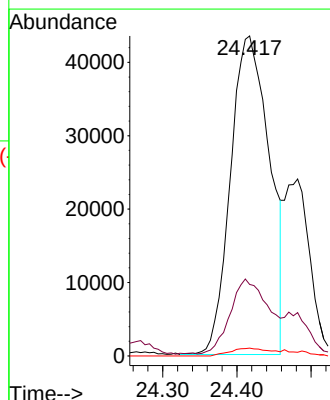
Tgt Ion:252 Resp: 158473

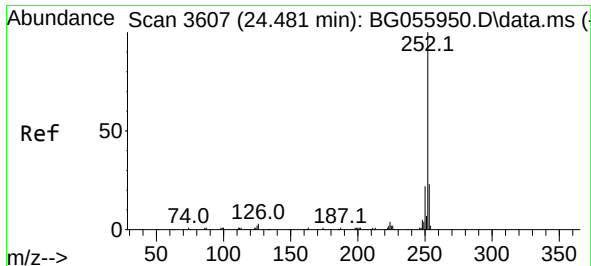
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 2.5 1.8 2.8





#89
Benzo(k)fluoranthene
Concen: 8.822 ng m
RT: 24.482 min Scan# 30
Delta R.T. -0.005 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

Instrument :

BNA_G

ClientSampleId :

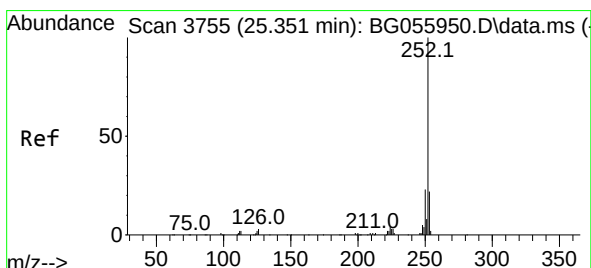
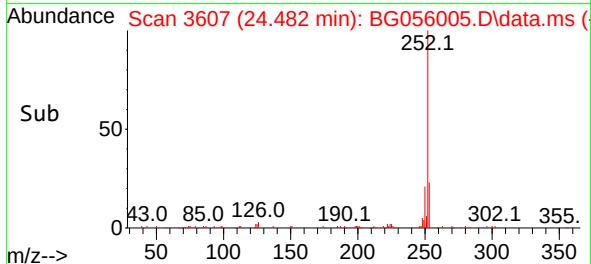
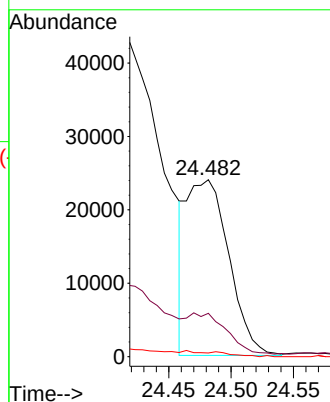
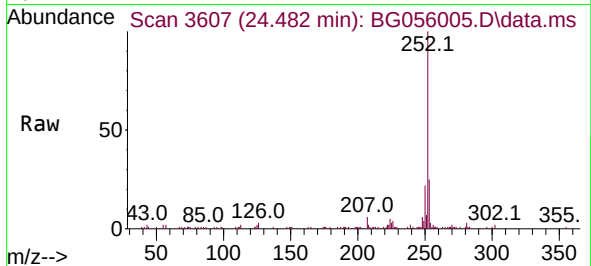
MH-21DL

Tgt Ion:252 Resp: 56379
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 2.1 2.0 3.0

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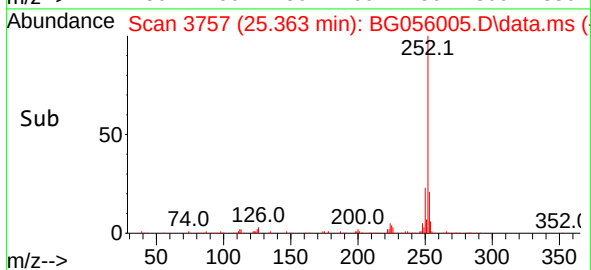
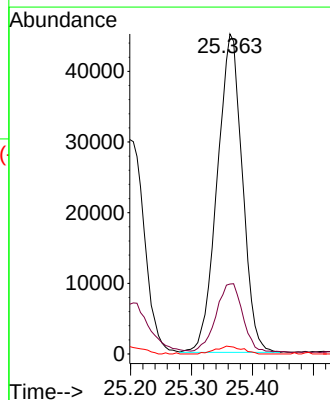
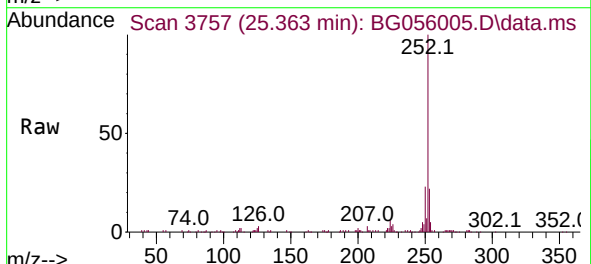
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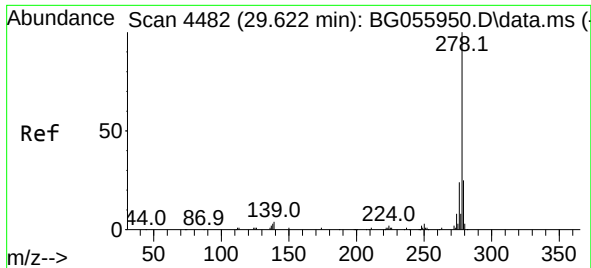
Reviewed By :Yogesh Patel 12/19/2022
Supervised By :mohammad ahmed 12/19/2022



#90
Benzo(a)pyrene
Concen: 23.825 ng
RT: 25.363 min Scan# 3757
Delta R.T. -0.011 min
Lab File: BG056005.D
Acq: 16 Dec 2022 22:36

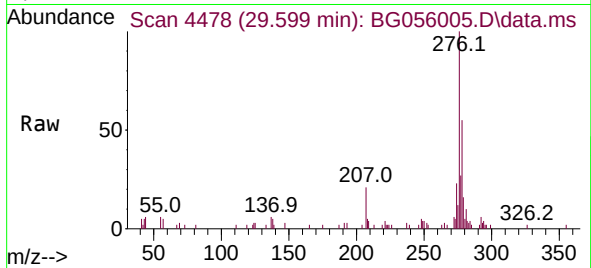
Tgt Ion:252 Resp: 129001
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 2.3 1.9 2.9





#91
 Dibenzo(a,h)anthracene
 Concen: 3.832 ng
 RT: 29.599 min Scan# 4482
 Delta R.T. -0.052 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36

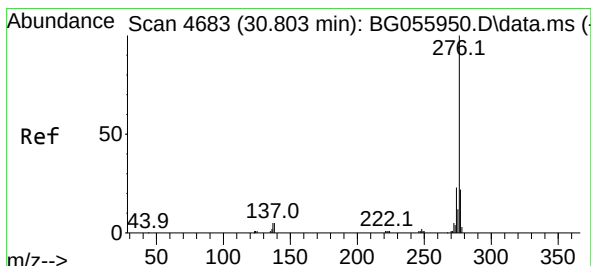
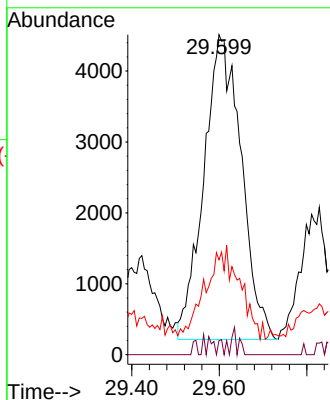
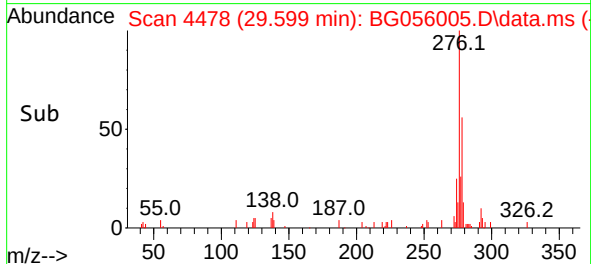
Instrument :
 BNA_G
 ClientSampleId :
 MH-21DL



Tgt Ion:278 Resp: 2552
 Ion Ratio Lower Upper
 278 100
 139 4.4 2.9 4.3
 279 29.7 20.0 30.0

Manual Integrations
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Reviewed By :Yogesh Patel 12/19/2022
 Supervised By :mohammad ahmed 12/19/2022



#92
 Benzo(g,h,i)perylene
 Concen: 14.640 ng
 RT: 30.821 min Scan# 4686
 Delta R.T. -0.017 min
 Lab File: BG056005.D
 Acq: 16 Dec 2022 22:36

Tgt Ion:276 Resp: 94292
 Ion Ratio Lower Upper
 276 100
 277 22.4 17.8 26.6
 138 4.5 3.8 5.6

