

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051077.D
 Acq On : 16 Nov 2021 21:59
 Operator : CG/JU
 Sample : M4625-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-111021

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/17/2021
 Supervised By :mohammad ahmed 11/17/2021

Quant Time: Nov 17 00:43:25 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	40465	20.000	ng	0.00
21) Naphthalene-d8	11.057	136	175352	20.000	ng	# 0.00
39) Acenaphthene-d10	14.852	164	115881	20.000	ng	0.00
64) Phenanthrene-d10	17.602	188	232660	20.000	ng	# 0.00
76) Chrysene-d12	21.903	240	190786	20.000	ng	# 0.00
86) Perylene-d12	25.328	264	183941	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.763	112	215343	79.608	ng	0.00
7) Phenol-d6	7.373	99	293493	76.870	ng	0.00
23) Nitrobenzene-d5	9.400	82	207368	52.349	ng	0.00
42) 2,4,6-Tribromophenol	16.344	330	96797	83.471	ng	0.00
45) 2-Fluorobiphenyl	13.477	172	424106	57.827	ng	0.00
79) Terphenyl-d14	20.187	244	562567	53.954	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.582	152	58935	5.492	ng	95
71) Phenanthrene	17.643	178	48808	3.933	ng	95
75) Fluoranthene	19.647	202	148783	9.772	ng	95
78) Pyrene	20.005	202	261451	18.267	ng	99
81) Benzo(a)anthracene	21.885	228	153345	11.705	ng	96
83) Chrysene	21.956	228	165121	13.361	ng	95
87) Indeno(1,2,3-cd)pyrene	29.271	276	166409	12.746	ng	# 92
88) Benzo(b)fluoranthene	24.235	252	383693	33.139	ng	# 93
89) Benzo(k)fluoranthene	24.294	252	126635m	10.966	ng	
90) Benzo(a)pyrene	25.164	252	284062	28.737	ng	# 93
91) Dibenzo(a,h)anthracene	29.312	278	39986	3.720	ng	# 76
92) Benzo(g,h,i)perylene	30.504	276	145101	13.717	ng	# 87

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

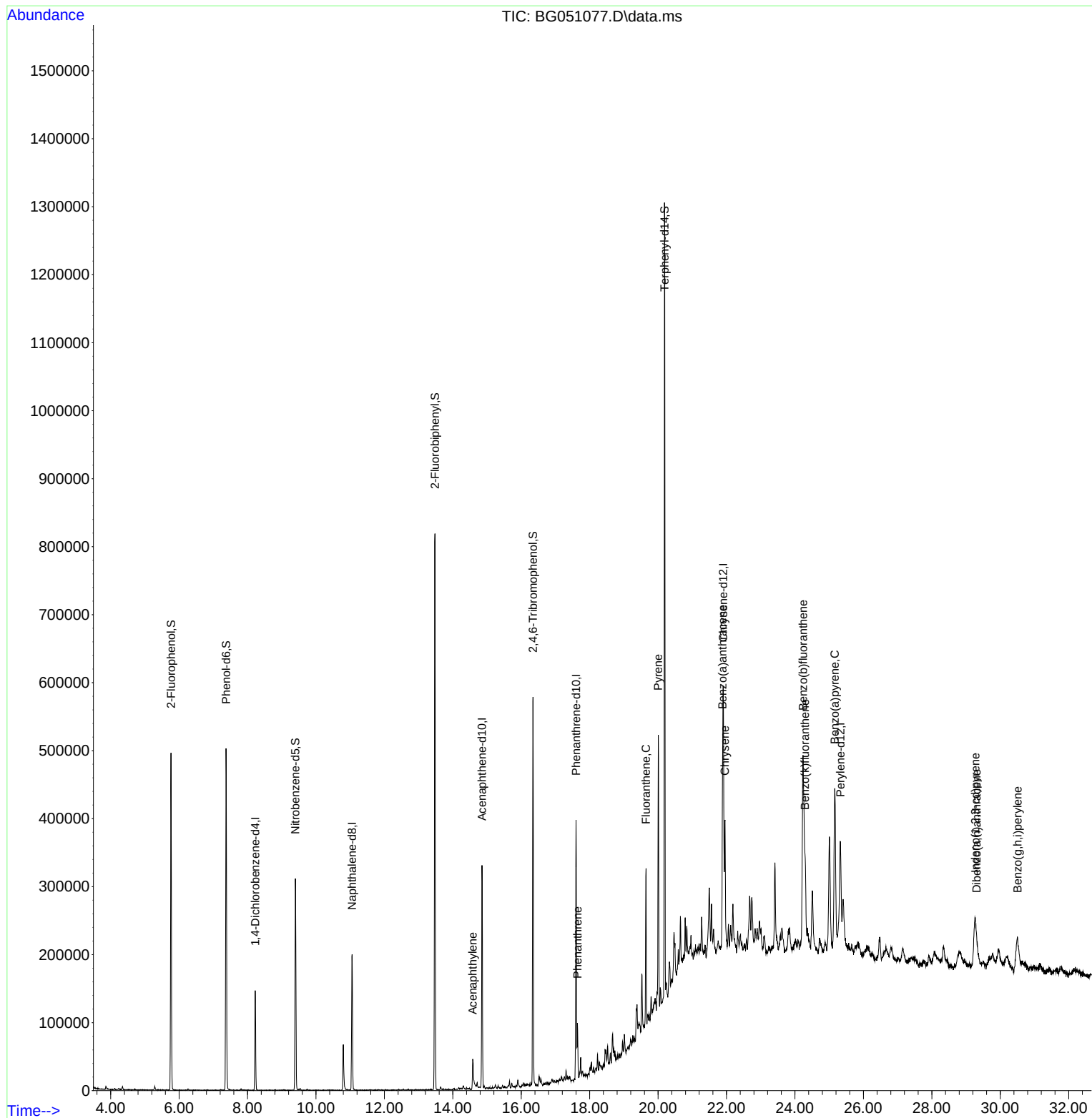
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Data File : BG051077.D
Acq On : 16 Nov 2021 21:59
Operator : CG/JU
Sample : M4625-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

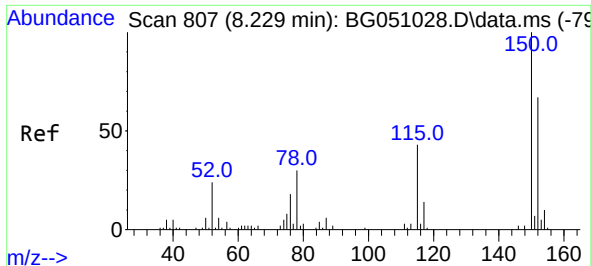
Instrument :
BNA_G
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SU-03-111021

Quant Time: Nov 17 00:43:25 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.225 min Scan# 807
Delta R.T. -0.004 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Instrument :

BNA_G

ClientSampleId :

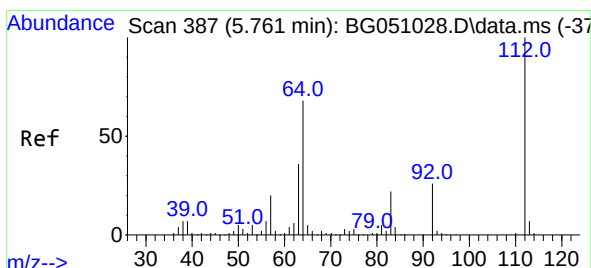
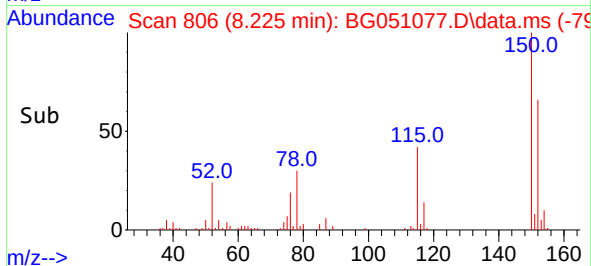
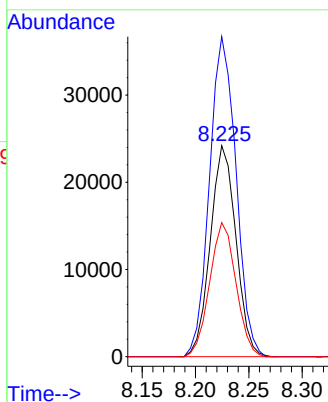
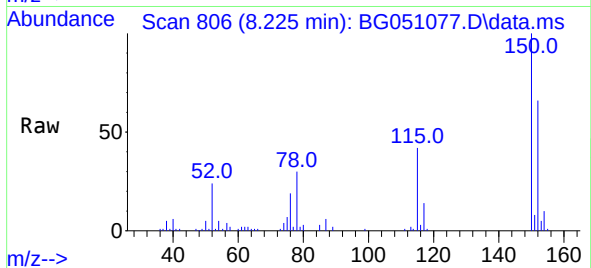
SU-03-111021

Tgt Ion:152 Resp: 4046
Ion Ratio Lower Upper
152 100
150 151.6 119.4 179.0
115 63.5 60.2 90.4

Manual Integrations

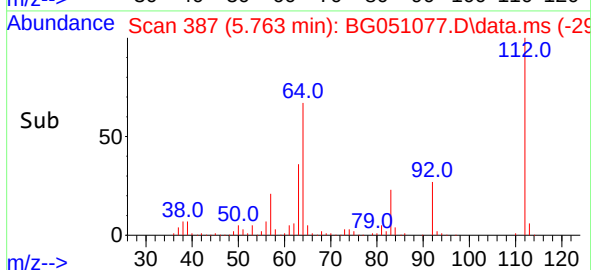
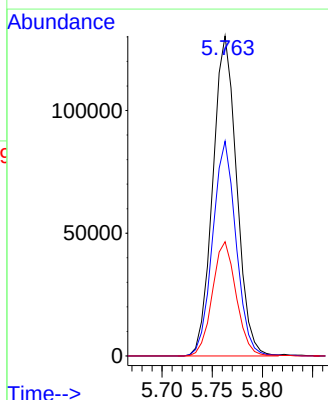
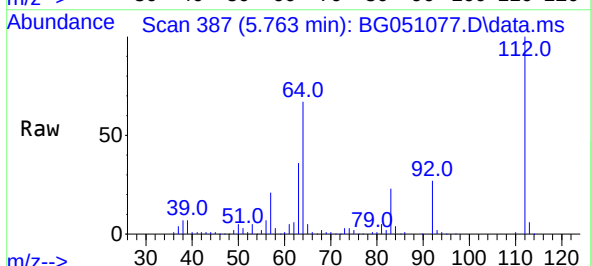
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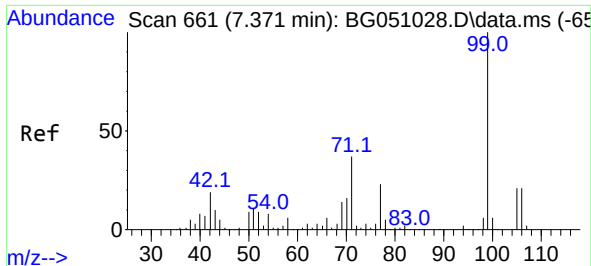
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#5
2-Fluorophenol
Concen: 79.608 ng
RT: 5.763 min Scan# 387
Delta R.T. 0.002 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

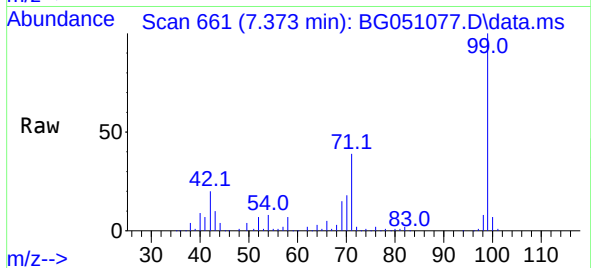
Tgt Ion:112 Resp: 215343
Ion Ratio Lower Upper
112 100
64 67.1 46.7 70.1
63 35.7 35.3 52.9





#7
Phenol-d6
Concen: 76.870 ng
RT: 7.373 min Scan# 661
Delta R.T. 0.002 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

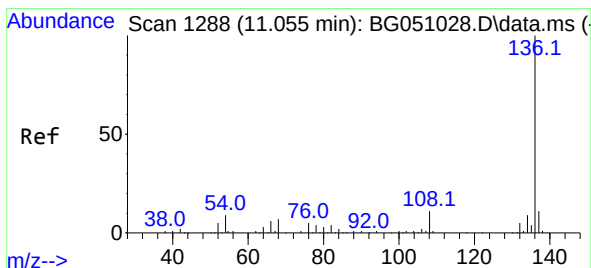
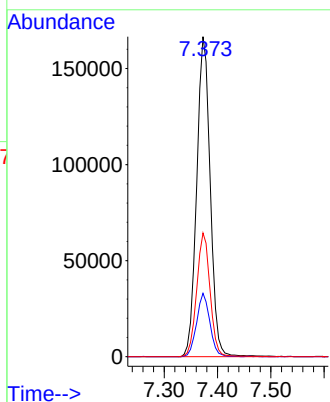
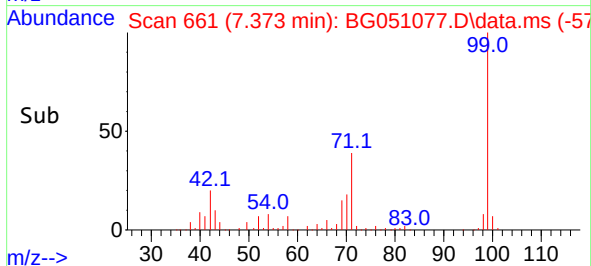
Instrument :
BNA_G
ClientSampleId :
SU-03-111021



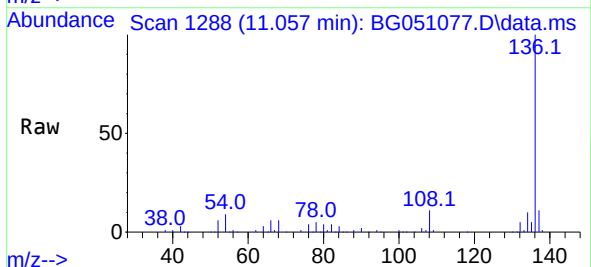
Tgt Ion: 99 Resp: 29349
Ion Ratio Lower Upper
99 100
42 19.8 20.5 30.7
71 38.6 41.5 62.3

Manual Integrations
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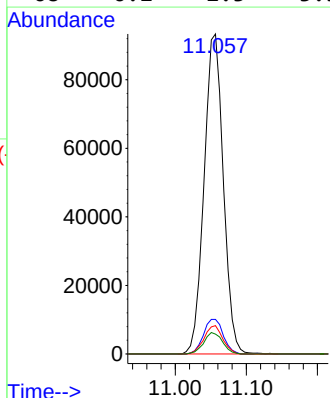
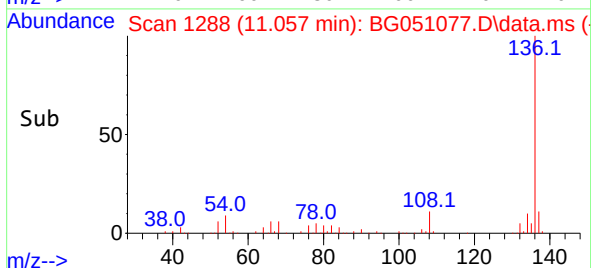
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021

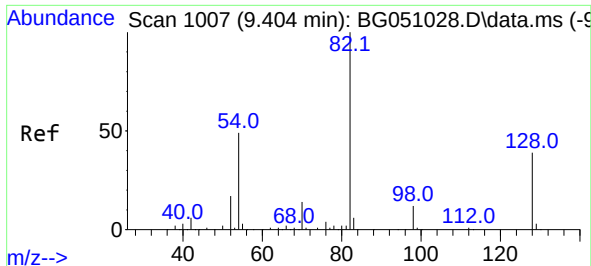


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.057 min Scan# 1288
Delta R.T. 0.002 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59



Tgt Ion:136 Resp: 175352
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.2
54 8.9 5.5 8.3#
68 6.2 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 52.349 ng
RT: 9.400 min Scan# 1007
Delta R.T. -0.004 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Instrument :

BNA_G

ClientSampleId :

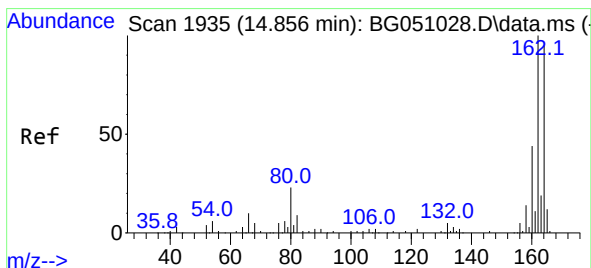
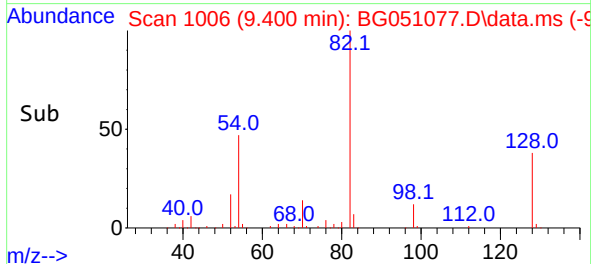
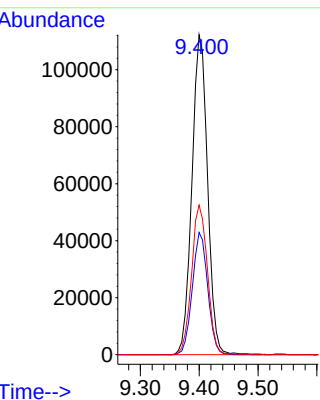
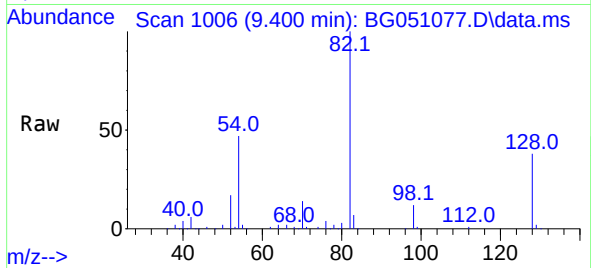
SU-03-111021

Tgt Ion: 82 Resp: 207368
Ion Ratio Lower Upper
82 100
128 38.2 29.8 44.6
54 46.7 45.8 68.8

Manual Integrations

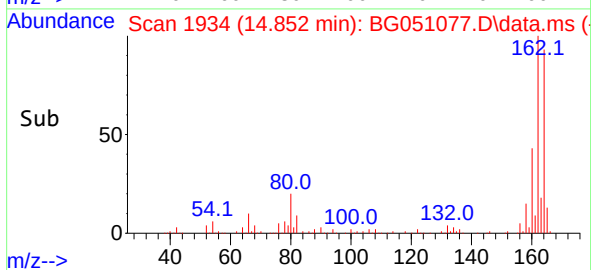
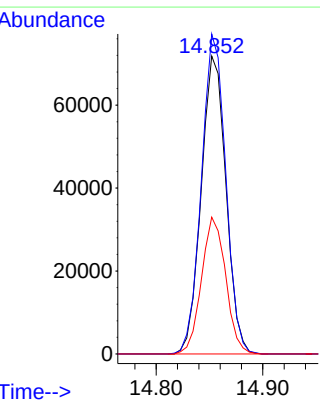
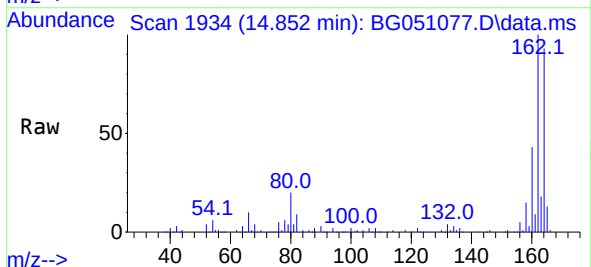
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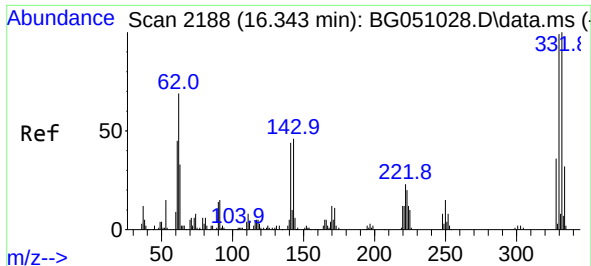
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.852 min Scan# 1934
Delta R.T. -0.004 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Tgt Ion:164 Resp: 115881
Ion Ratio Lower Upper
164 100
162 107.4 81.4 122.0
160 45.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 83.471 ng
RT: 16.344 min Scan# 2188
Delta R.T. 0.001 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Instrument :

BNA_G

ClientSampleId :

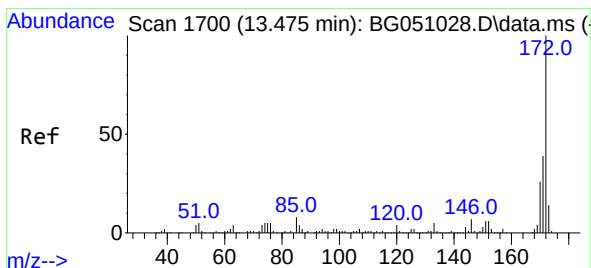
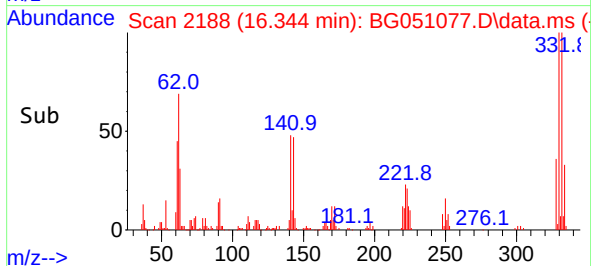
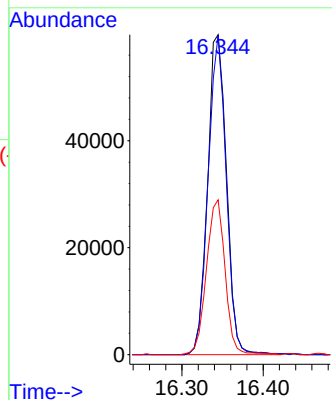
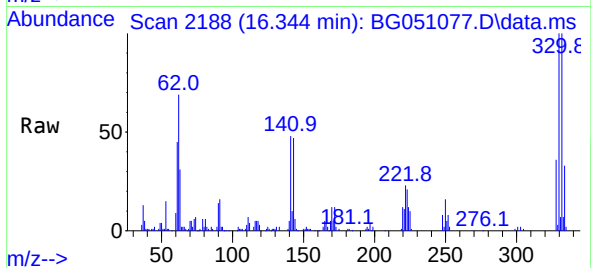
SU-03-111021

Tgt Ion:330 Resp: 9679
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 47.9 35.6 53.4

Manual Integrations

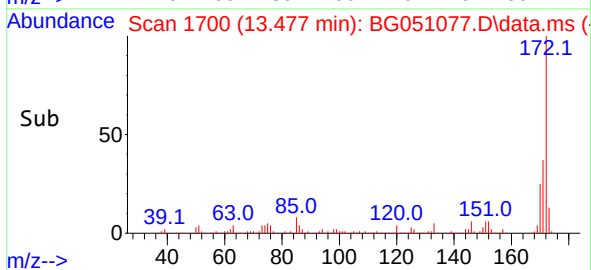
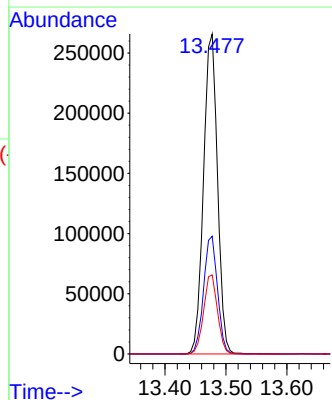
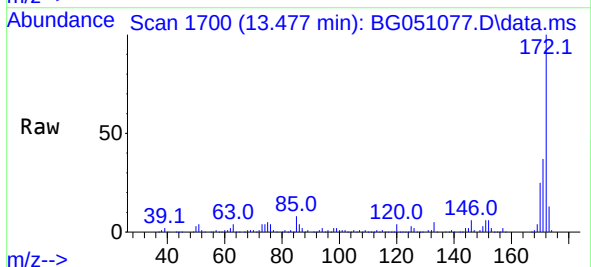
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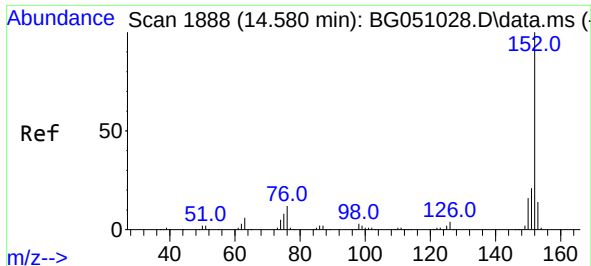
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#45
2-Fluorobiphenyl
Concen: 57.827 ng
RT: 13.477 min Scan# 1700
Delta R.T. 0.002 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Tgt Ion:172 Resp: 424106
Ion Ratio Lower Upper
172 100
171 36.8 28.6 43.0
170 24.7 18.6 27.8





#49
Acenaphthylene
Concen: 5.492 ng
RT: 14.582 min Scan# 1888
Delta R.T. 0.002 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Instrument :

BNA_G

ClientSampleId :

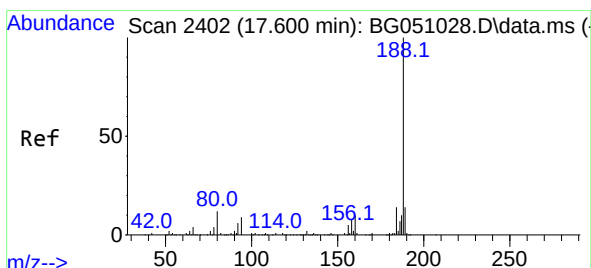
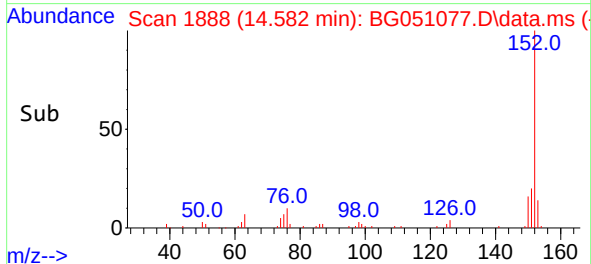
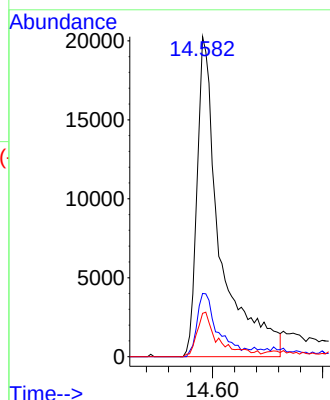
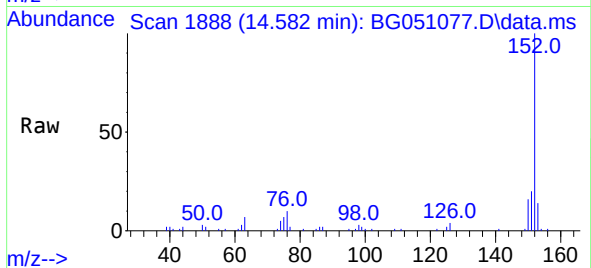
SU-03-111021

Tgt Ion:152 Resp: 58935
Ion Ratio Lower Upper
152 100
151 19.8 18.2 27.4
153 13.6 11.7 17.5

Manual Integrations

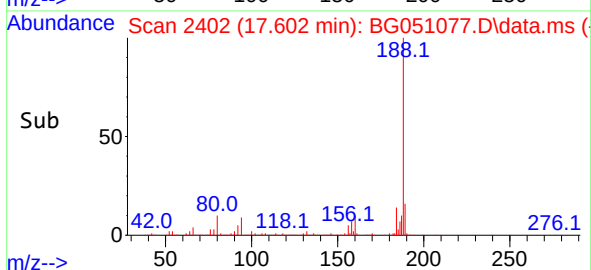
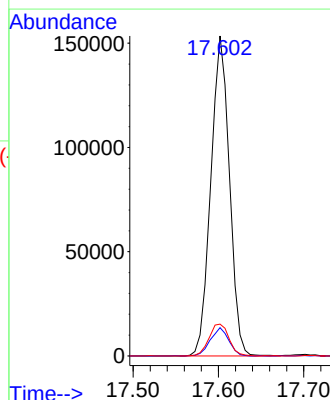
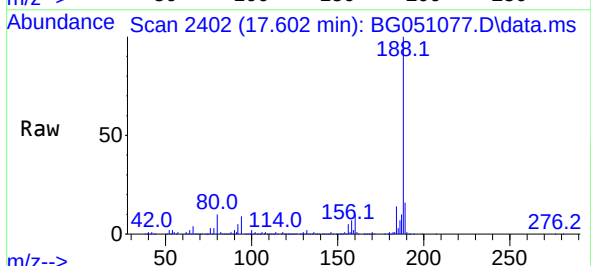
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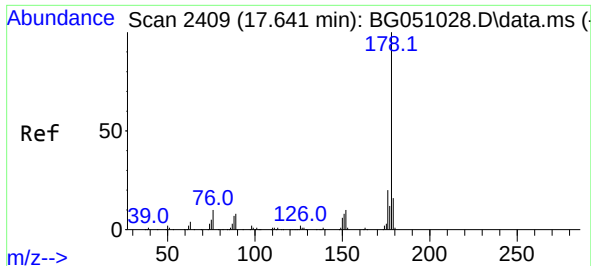
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.602 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Tgt Ion:188 Resp: 232660
Ion Ratio Lower Upper
188 100
94 8.9 5.4 8.0#
80 9.9 3.7 5.5#





#71
Phenanthrene
Concen: 3.933 ng
RT: 17.643 min Scan# 2409
Delta R.T. 0.002 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Instrument :

BNA_G

ClientSampleId :

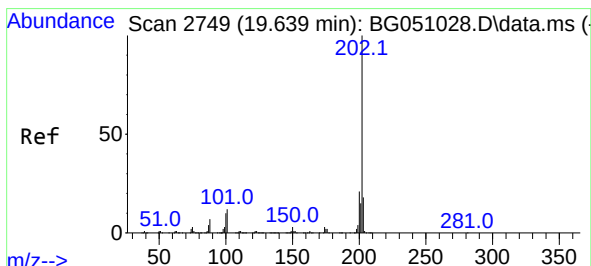
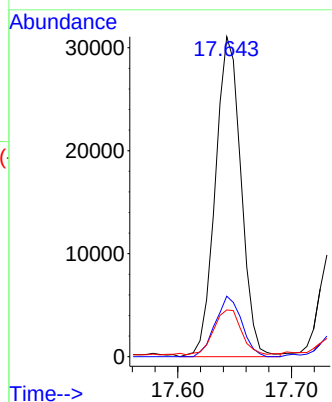
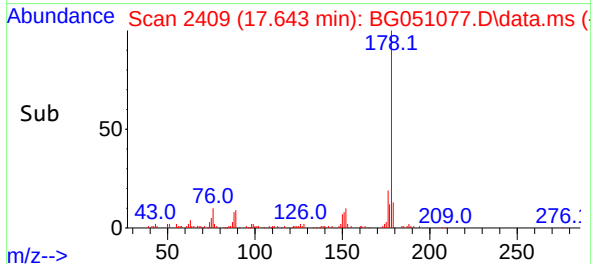
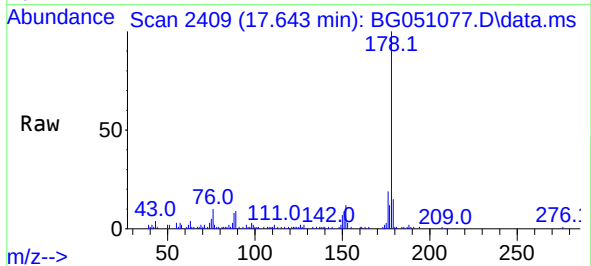
SU-03-111021

Tgt Ion:178 Resp: 48808
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 14.6 14.2 21.4

Manual Integrations

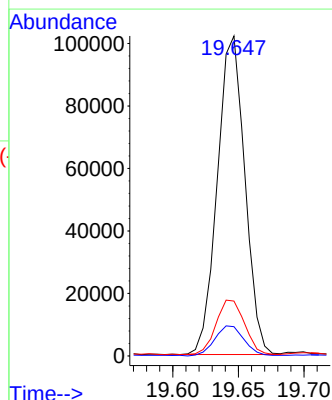
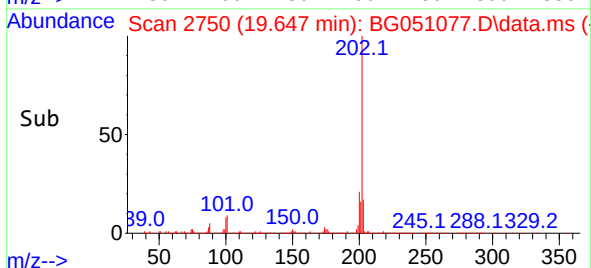
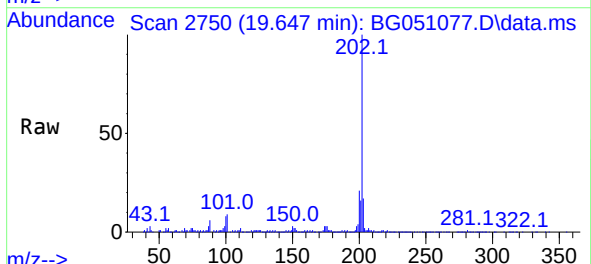
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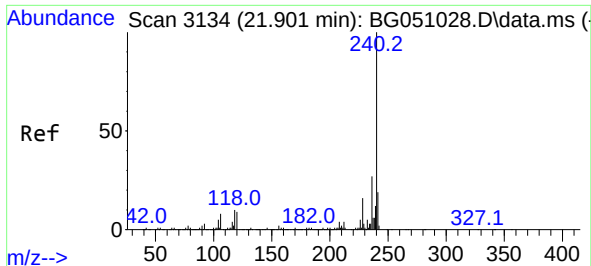
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#75
Fluoranthene
Concen: 9.772 ng
RT: 19.647 min Scan# 2750
Delta R.T. 0.008 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

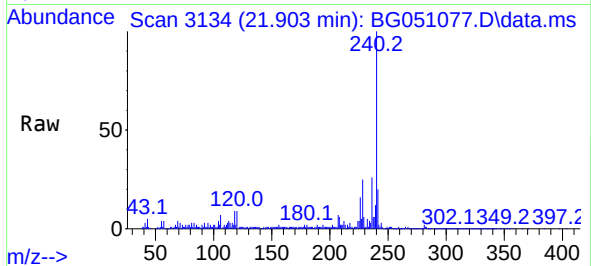
Tgt Ion:202 Resp: 148783
Ion Ratio Lower Upper
202 100
101 9.2 0.0 24.7
203 17.2 0.0 38.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.903 min Scan# 3134
Delta R.T. 0.002 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

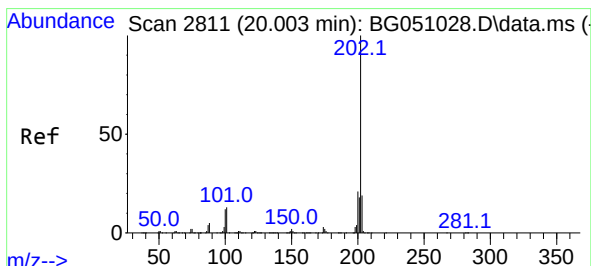
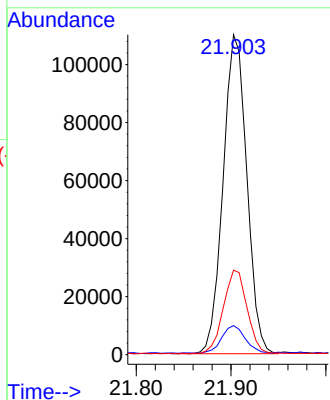
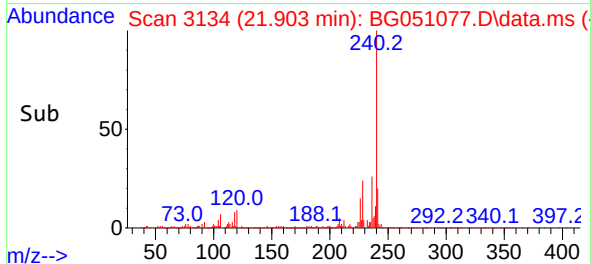
Instrument :
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SU-03-111021



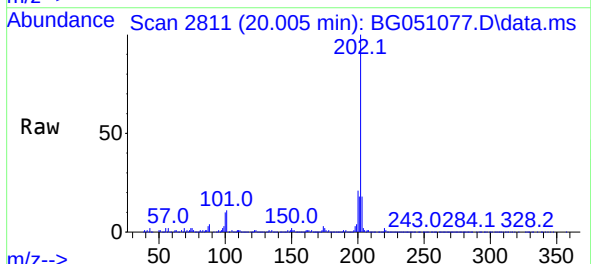
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Ion Ratio Lower Upper
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120 9.1 4.2 6.2
236 26.4 21.8 32.6

Manual Integrations
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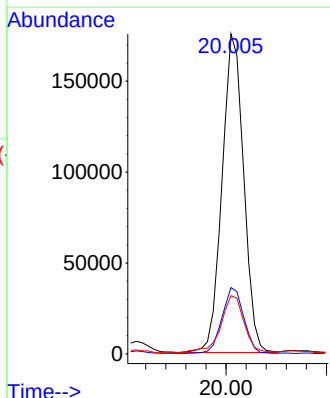
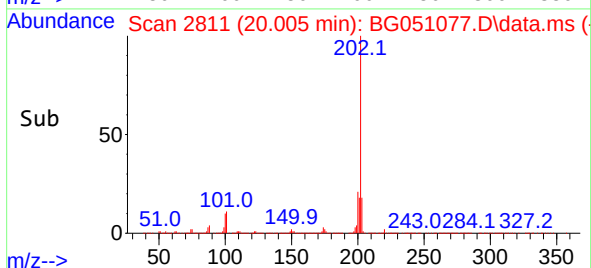
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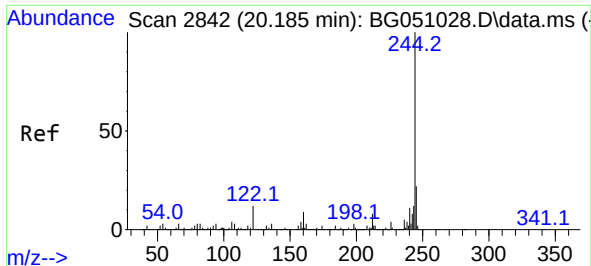


#78
Pyrene
Concen: 18.267 ng
RT: 20.005 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59



Tgt Ion:202 Resp: 261451
Ion Ratio Lower Upper
202 100
200 20.8 15.8 23.8
203 18.2 14.6 21.8





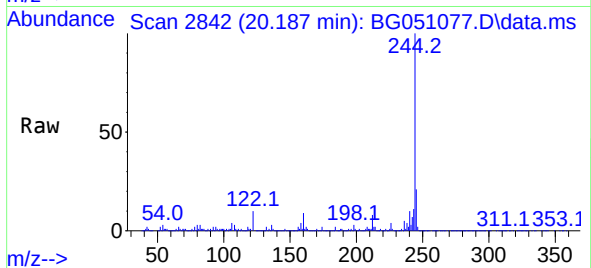
#79
 Terphenyl-d14
 Concen: 53.954 ng
 RT: 20.187 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG051077.D
 Acq: 16 Nov 2021 21:59

Instrument :

BNA_G

ClientSampleId :

SU-03-111021

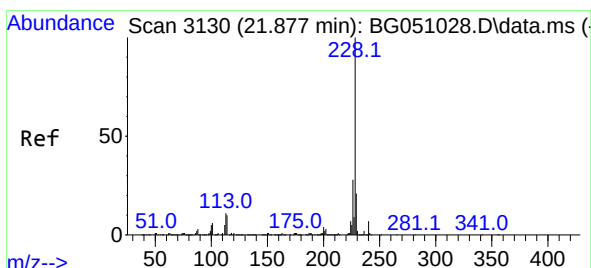
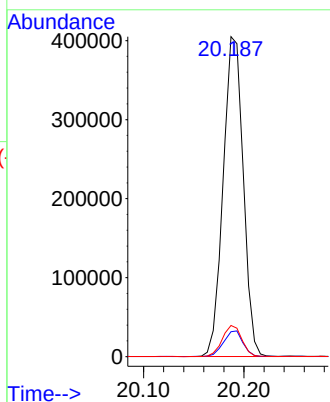
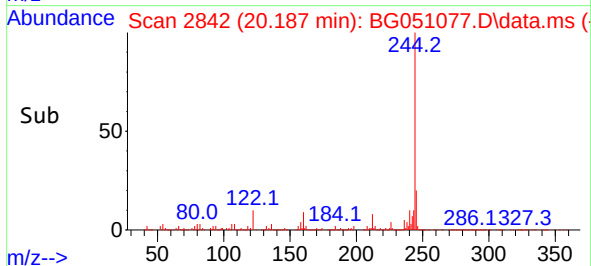


Tgt Ion:244 Resp: 56256
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.9 10.3
 122 9.8 5.0 7.6

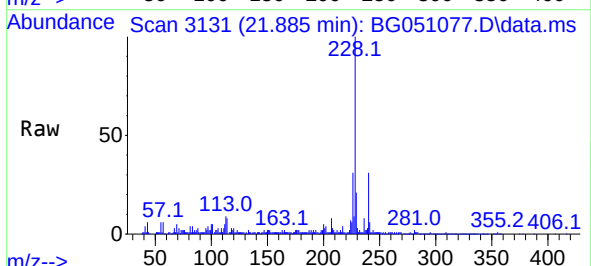
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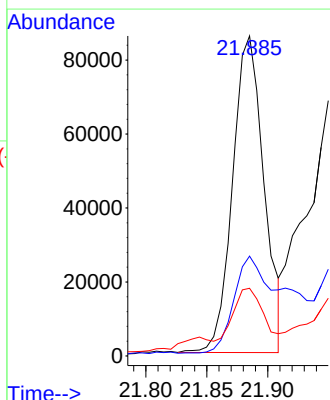
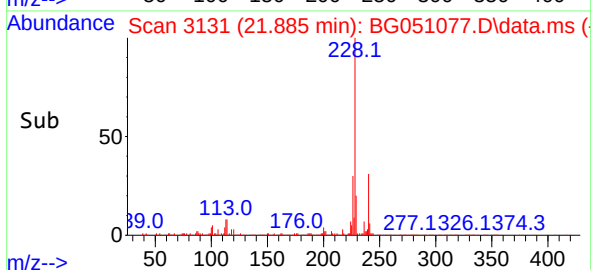
Reviewed By :Jagrut Upadhyay 11/17/2021
 Supervised By :mohammad ahmed 11/17/2021

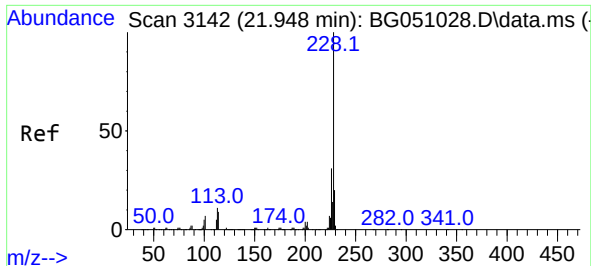


#81
 Benzo(a)anthracene
 Concen: 11.705 ng
 RT: 21.885 min Scan# 3131
 Delta R.T. 0.008 min
 Lab File: BG051077.D
 Acq: 16 Nov 2021 21:59



Tgt Ion:228 Resp: 153345
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.7 34.1
 229 21.1 16.0 24.0





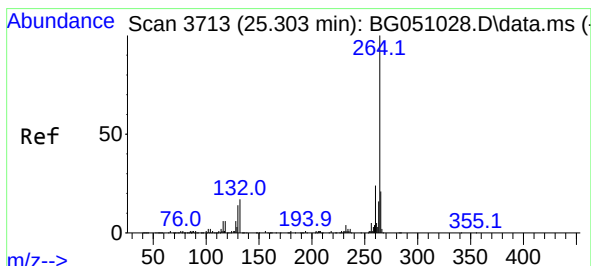
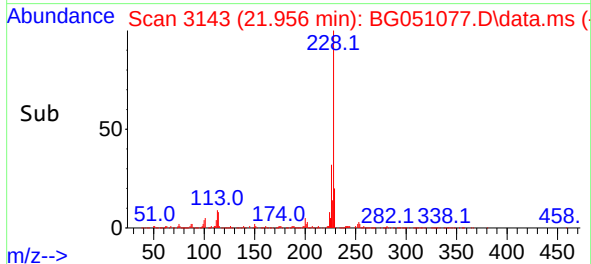
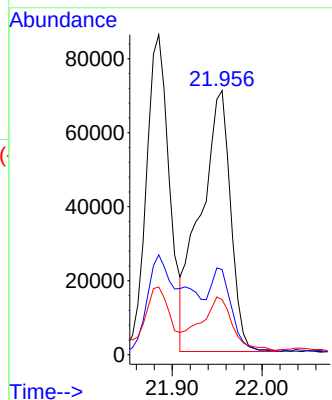
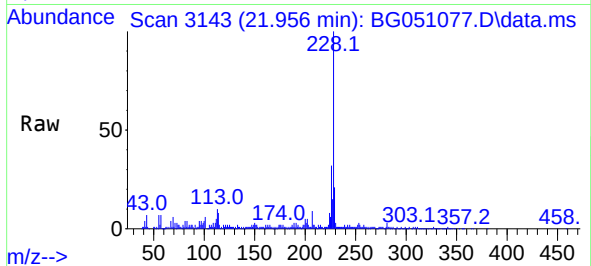
#83
Chrysene
Concen: 13.361 ng
RT: 21.956 min Scan# 3142
Delta R.T. 0.008 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Instrument :
BNA_G
ClientSampleId :
SU-03-111021

Tgt Ion:228 Resp: 16512
Ion Ratio Lower Upper
228 100
226 32.2 23.1 34.7
229 20.8 15.3 22.9

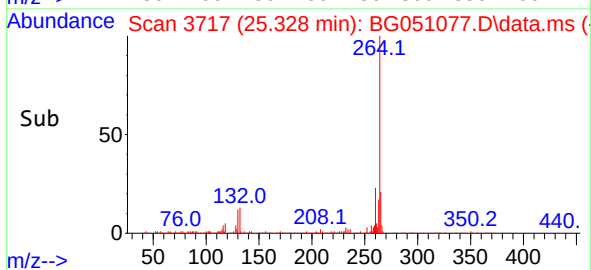
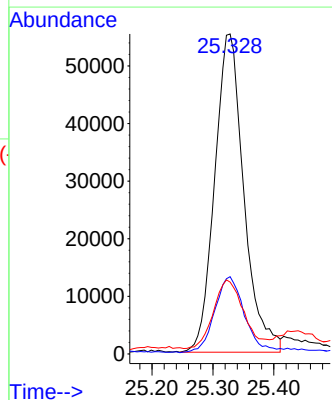
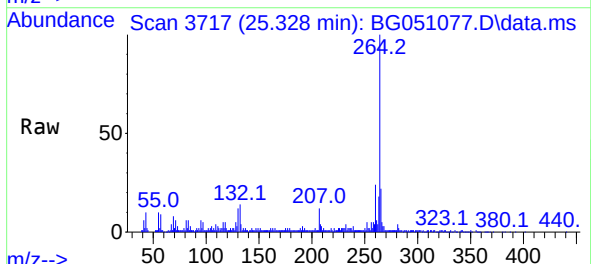
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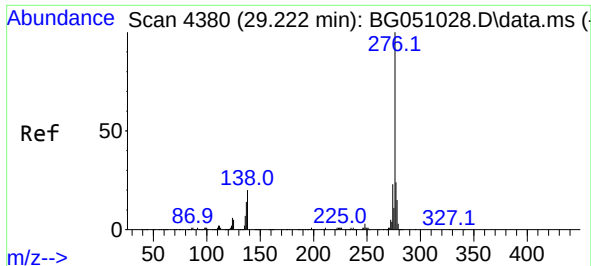
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.328 min Scan# 3717
Delta R.T. 0.025 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Tgt Ion:264 Resp: 183941
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 22.4 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.746 ng
RT: 29.271 min Scan# 41
Delta R.T. 0.049 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Instrument :

BNA_G

ClientSampleId :

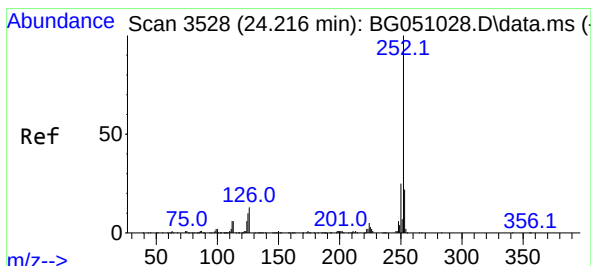
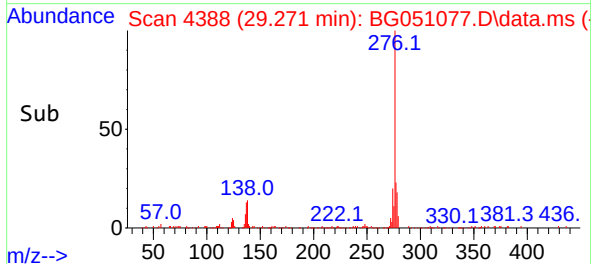
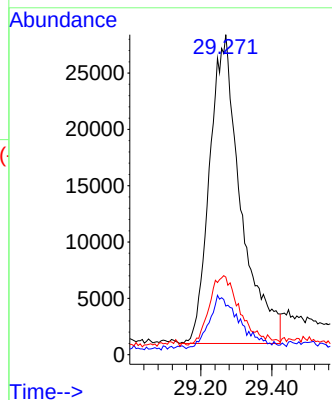
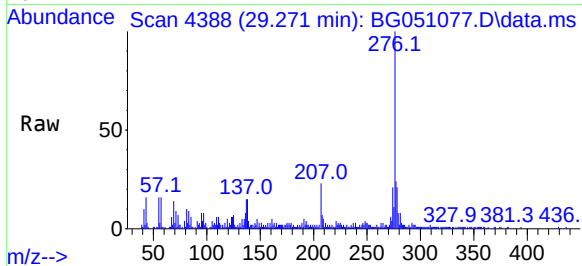
SU-03-111021

Tgt Ion:276 Resp: 166409
Ion Ratio Lower Upper
276 100
138 0.0 5.1 7.7
277 22.0 19.8 29.6

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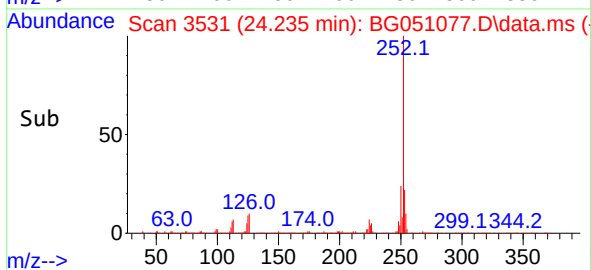
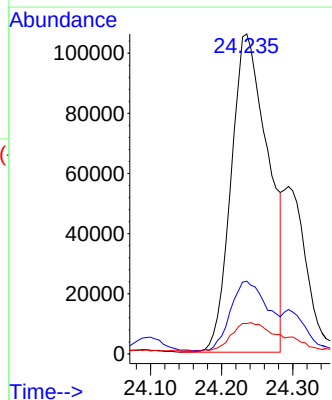
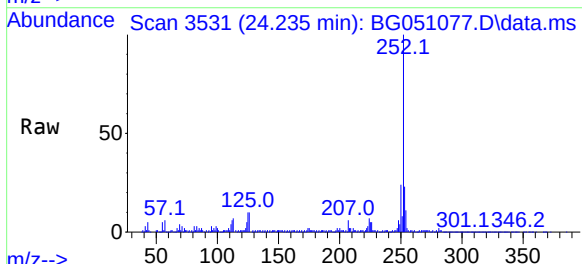
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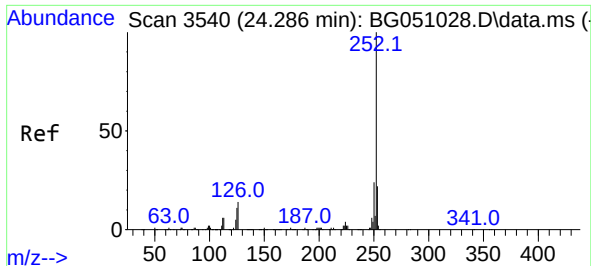
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#88
Benzo(b)fluoranthene
Concen: 33.139 ng
RT: 24.235 min Scan# 3531
Delta R.T. 0.020 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Tgt Ion:252 Resp: 383693
Ion Ratio Lower Upper
252 100
253 22.8 16.2 24.4
125 9.5 3.0 4.4





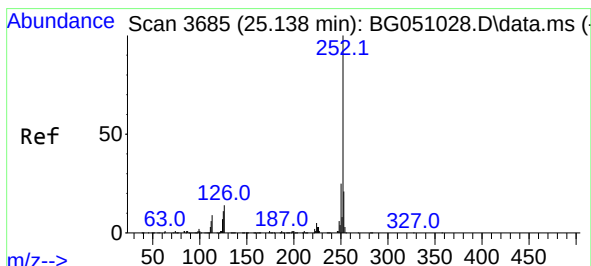
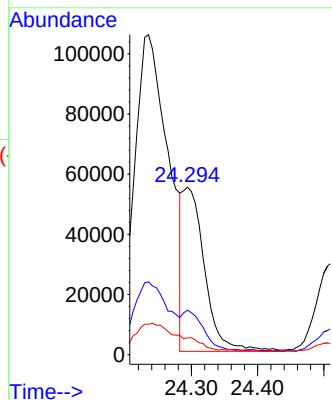
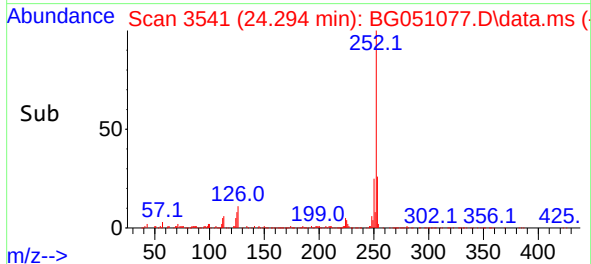
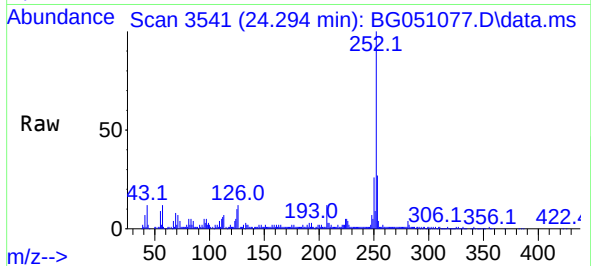
#89
Benzo(k)fluoranthene
Concen: 10.966 ng m
RT: 24.294 min Scan# 3541
Delta R.T. 0.008 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Instrument :
BNA_G
ClientSampleId :
SU-03-111021

Tgt Ion:252 Resp: 12663
Ion Ratio Lower Upper
252 100
253 26.6 18.0 27.0
125 10.0 3.1 4.7

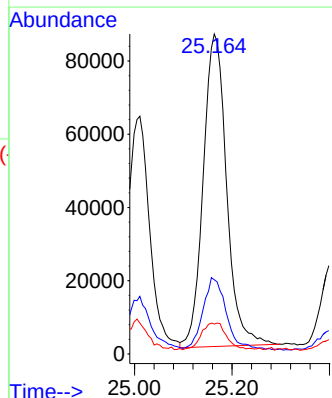
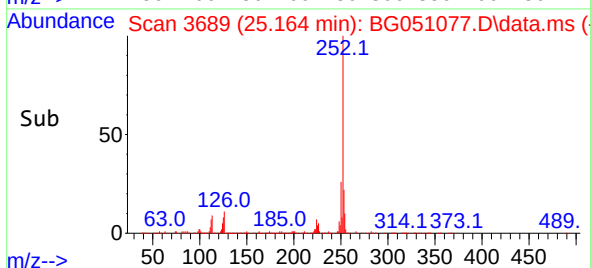
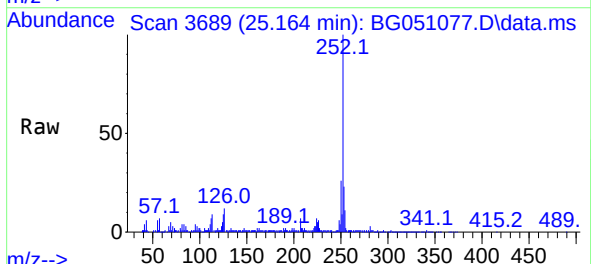
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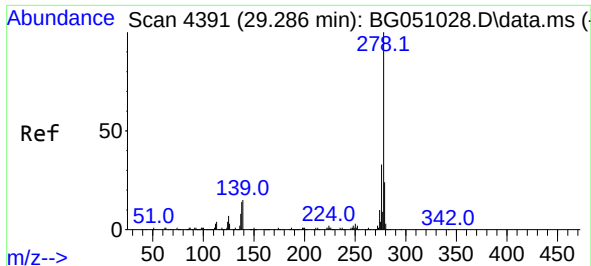
Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#90
Benzo(a)pyrene
Concen: 28.737 ng
RT: 25.164 min Scan# 3689
Delta R.T. 0.025 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Tgt Ion:252 Resp: 284062
Ion Ratio Lower Upper
252 100
253 23.2 16.6 25.0
125 9.3 3.5 5.3





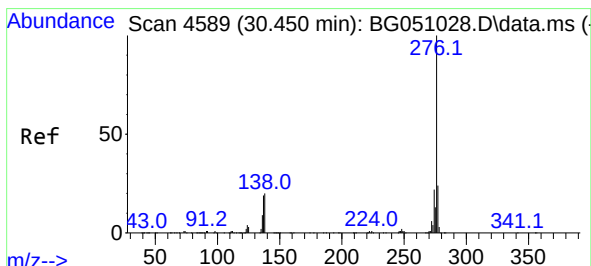
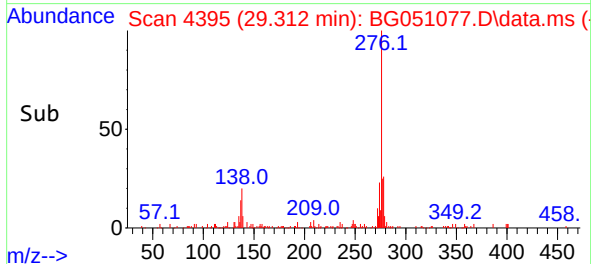
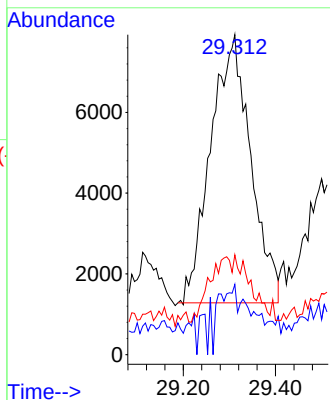
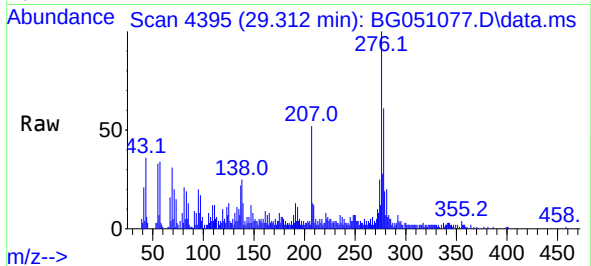
#91
Dibenzo(a,h)anthracene
Concen: 3.720 ng
RT: 29.312 min Scan# 4395
Delta R.T. 0.025 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Instrument :
BNA_G
ClientSampleId :
SU-03-111021

Tgt Ion:278 Resp: 39980
Ion Ratio Lower Upper
278 100
139 21.9 4.6 6.8
279 31.2 17.9 26.9

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Reviewed By :Jagrut Upadhyay 11/17/2021
Supervised By :mohammad ahmed 11/17/2021



#92
Benzo(g,h,i)perylene
Concen: 13.717 ng
RT: 30.504 min Scan# 4598
Delta R.T. 0.055 min
Lab File: BG051077.D
Acq: 16 Nov 2021 21:59

Tgt Ion:276 Resp: 145101
Ion Ratio Lower Upper
276 100
277 26.7 18.4 27.6
138 18.6 7.0 10.6

