

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
 Data File : BG055987.D
 Acq On : 15 Dec 2022 21:55
 Operator : CG/JU
 Sample : N6069-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-2-121422

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

Quant Time: Dec 16 04:07:42 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 14 02:24:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.381	152	10900	20.000	ng	0.00
21) Naphthalene-d8	11.219	136	40575	20.000	ng	# 0.01
39) Acenaphthene-d10	14.991	164	31125	20.000	ng	0.01
64) Phenanthrene-d10	17.723	188	72405	20.000	ng	# 0.01
76) Chrysene-d12	22.042	240	73526	20.000	ng	0.02
86) Perylene-d12	25.555	264	51092	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.896	112	9811	21.109	ng	0.01
7) Phenol-d6	7.506	99	12038	20.138	ng	0.01
23) Nitrobenzene-d5	9.550	82	8134	14.009	ng	0.00
42) 2,4,6-Tribromophenol	16.466	330	15272	20.349	ng	0.01
45) 2-Fluorobiphenyl	13.616	172	27580	12.427	ng	0.00
79) Terphenyl-d14	20.297	244	46071	11.074	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.770	178	41187	10.855	ng	99
72) Anthracene	17.858	178	12508m	3.332	ng	
75) Fluoranthene	19.756	202	87895	16.542	ng	98
78) Pyrene	20.120	202	82918	18.637	ng	99
81) Benzo(a)anthracene	22.018	228	51079	9.872	ng	94
83) Chrysene	22.089	228	45045	9.289	ng	# 94
87) Indeno(1,2,3-cd)pyrene	29.586	276	15780m	3.841	ng	
88) Benzo(b)fluoranthene	24.433	252	46780	14.147	ng	# 85
89) Benzo(k)fluoranthene	24.498	252	27115m	8.219	ng	
90) Benzo(a)pyrene	25.379	252	40543	14.505	ng	# 85
92) Benzo(g,h,i)perylene	30.867	276	13223m	3.977	ng	

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

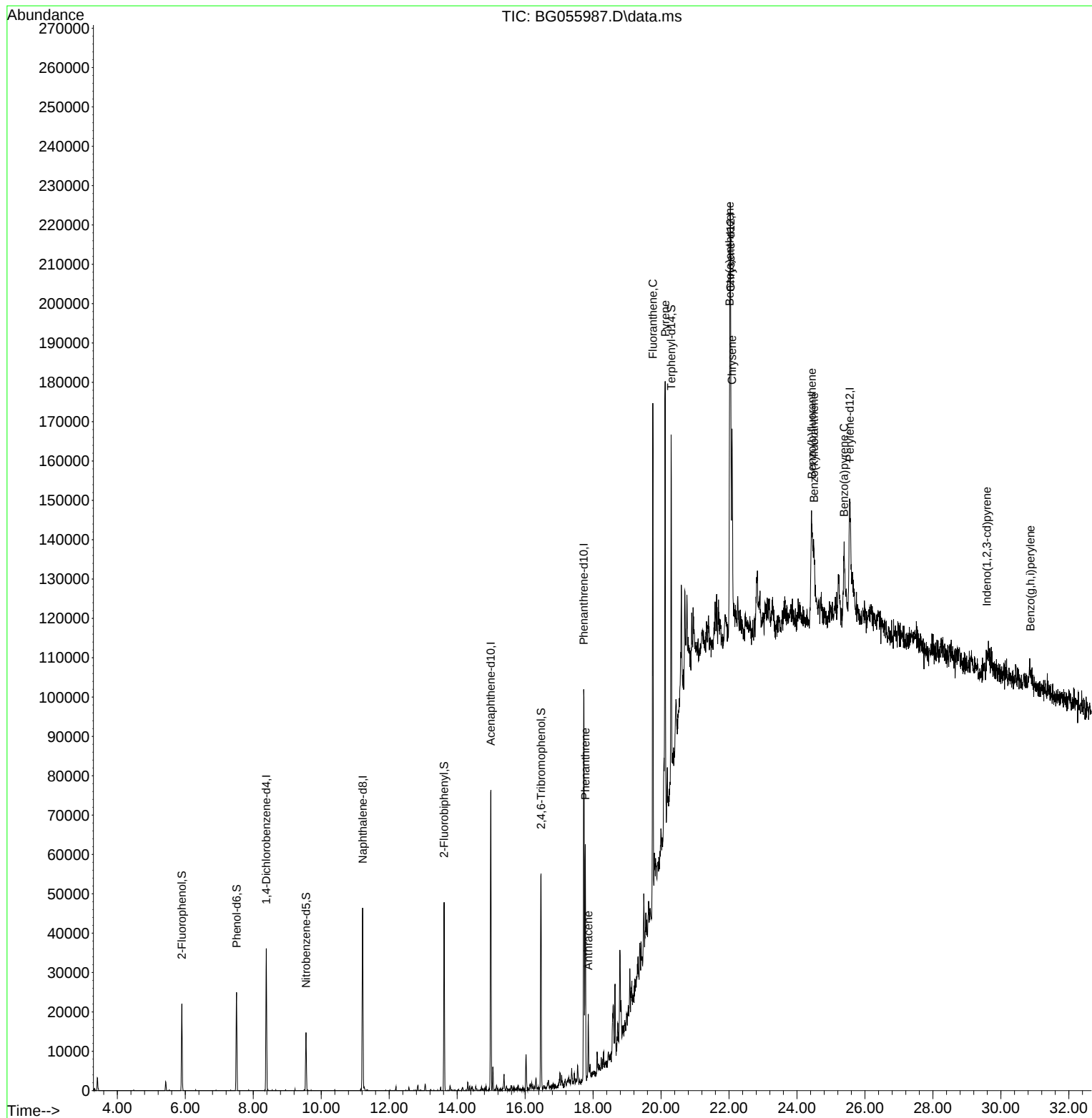
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055987.D
Acq On : 15 Dec 2022 21:55
Operator : CG/JU
Sample : N6069-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

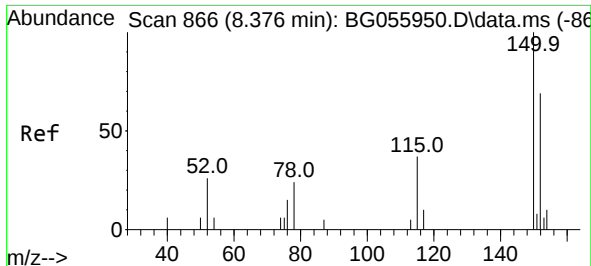
Instrument :
BNA_G
ClientSampleId :
PT-2-121422

Quant Time: Dec 16 04:07:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
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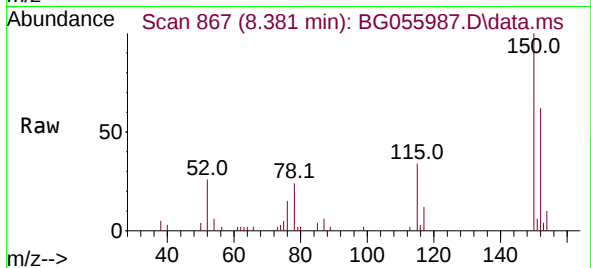
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.381 min Scan# 866
Delta R.T. 0.005 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

PT-2-121422

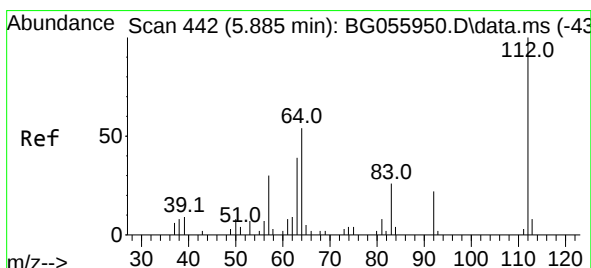
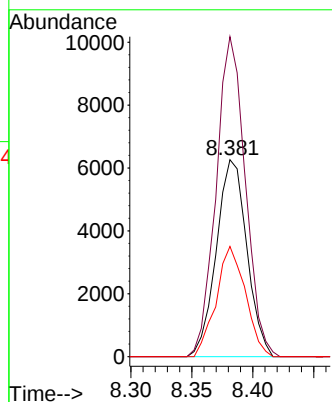
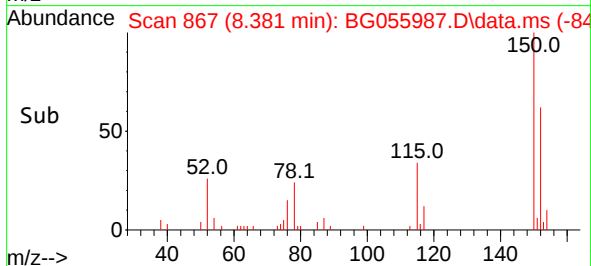


Tgt Ion:152 Resp: 10900
Ion Ratio Lower Upper
152 100
150 162.6 115.7 173.5
115 56.0 43.0 64.4

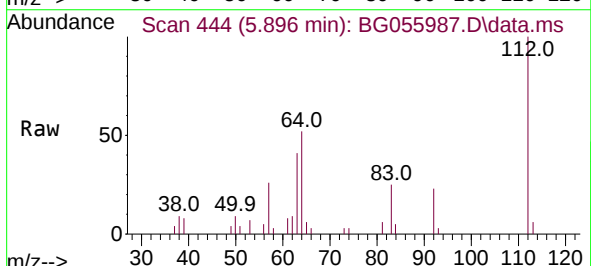
Manual Integrations

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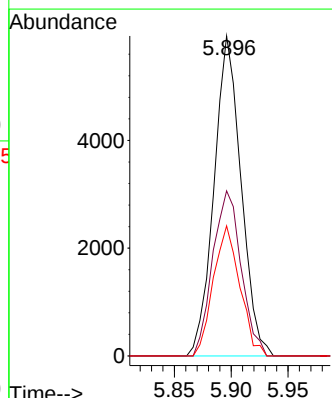
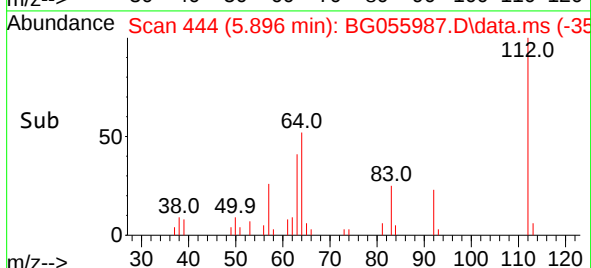
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

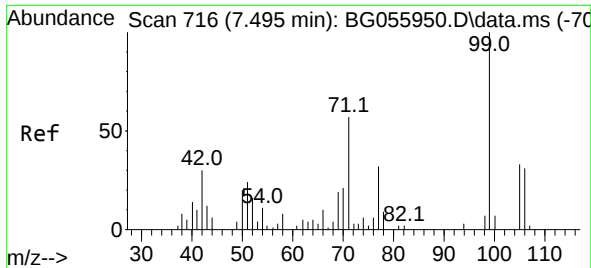


#5
2-Fluorophenol
Concen: 21.109 ng
RT: 5.896 min Scan# 444
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55



Tgt Ion:112 Resp: 9811
Ion Ratio Lower Upper
112 100
64 51.6 43.0 64.4
63 40.6 31.4 47.2





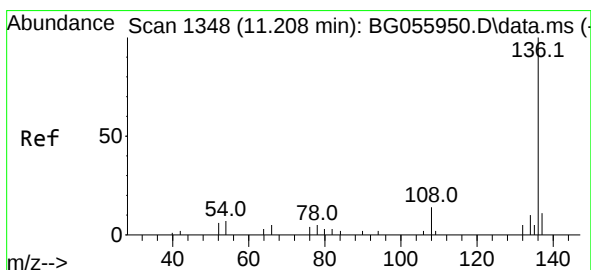
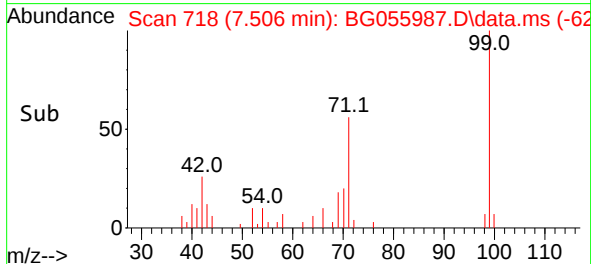
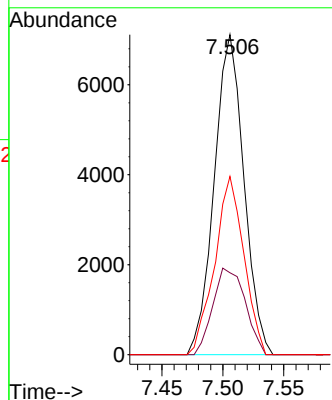
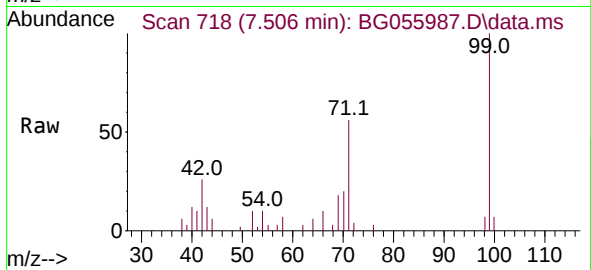
#7
Phenol-d6
Concen: 20.138 ng
RT: 7.506 min Scan# 71
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Instrument :
BNA_G
ClientSampleId :
PT-2-121422

Tgt Ion: 99 Resp: 12038
Ion Ratio Lower Upper
99 100
42 25.6 24.3 36.5
71 55.7 45.6 68.4

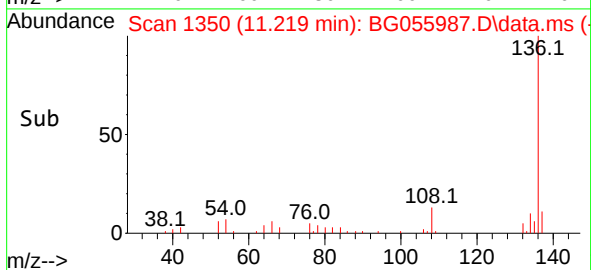
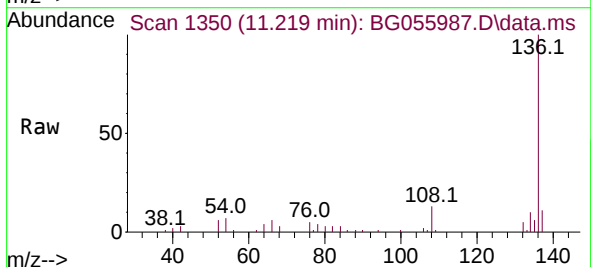
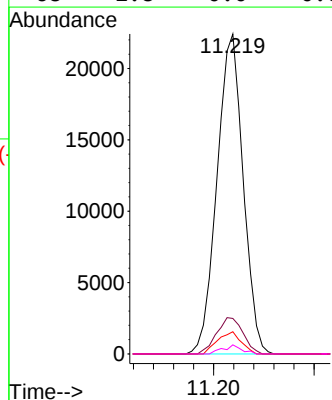
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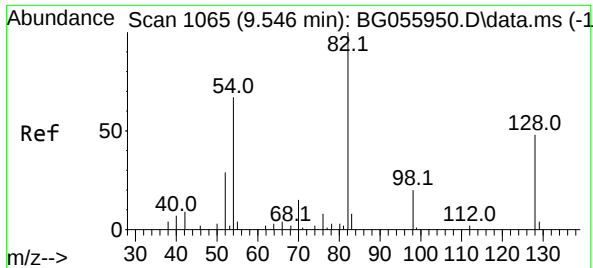
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.219 min Scan# 1350
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion:136 Resp: 40575
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 6.9 5.6 8.4
68 2.8 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 14.009 ng

RT: 9.550 min Scan# 1066

Delta R.T. 0.005 min

Lab File: BG055987.D

Acq: 15 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

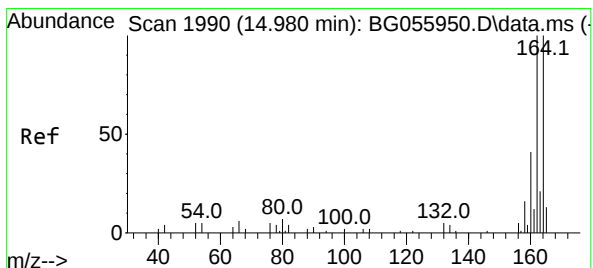
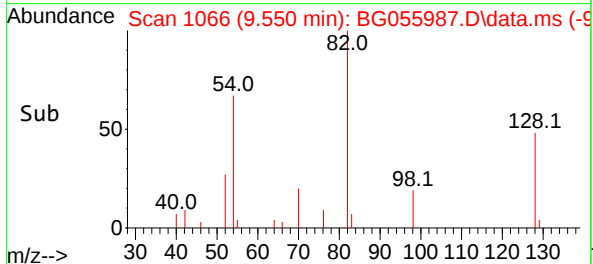
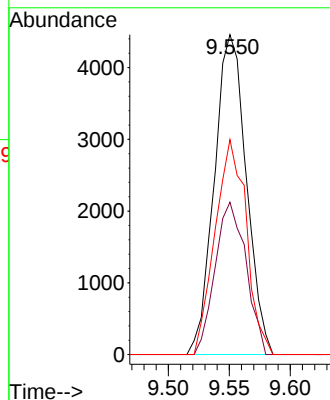
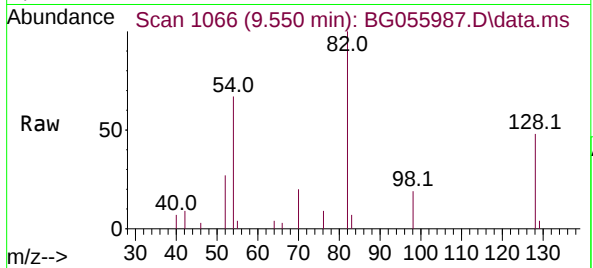
PT-2-121422

Tgt Ion: 82	Resp: 8134
Ion Ratio	Lower Upper
82 100	
128 47.6	38.4 57.6
54 67.2	53.3 79.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

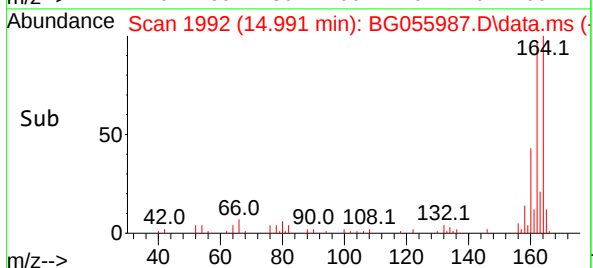
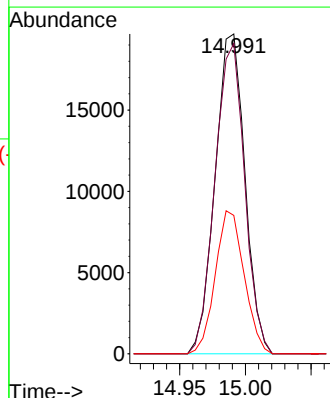
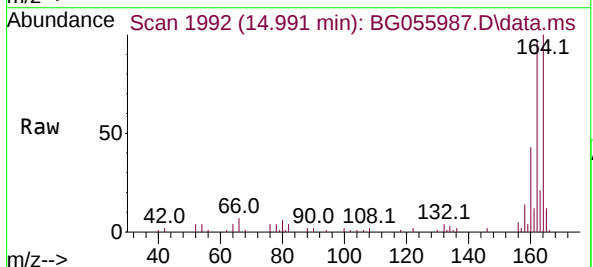
RT: 14.991 min Scan# 1992

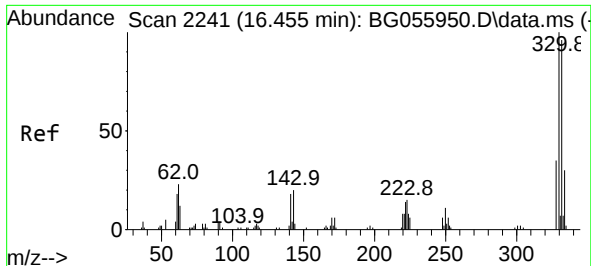
Delta R.T. 0.011 min

Lab File: BG055987.D

Acq: 15 Dec 2022 21:55

Tgt Ion:164	Resp: 31125
Ion Ratio	Lower Upper
164 100	
162 97.0	79.8 119.8
160 43.3	33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 20.349 ng
RT: 16.466 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

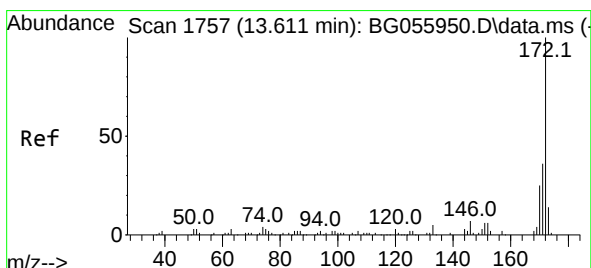
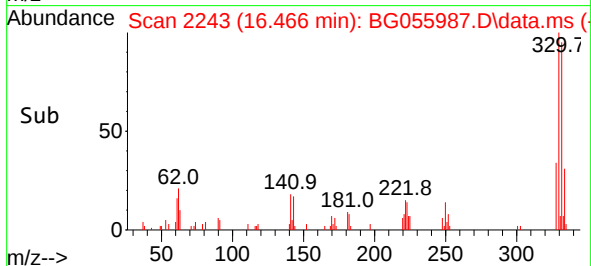
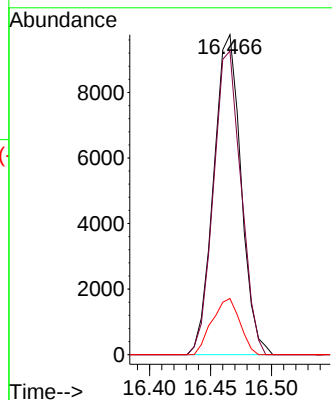
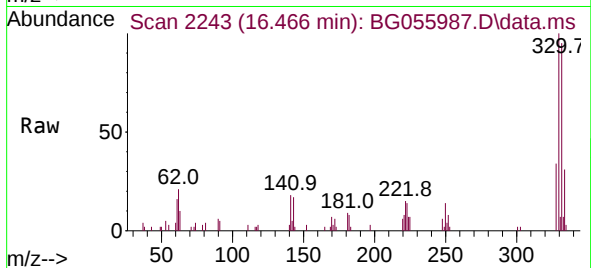
PT-2-121422

Tgt Ion:330 Resp: 15272
Ion Ratio Lower Upper
330 100
332 95.2 76.6 114.8
141 17.8 15.0 22.4

Manual Integrations

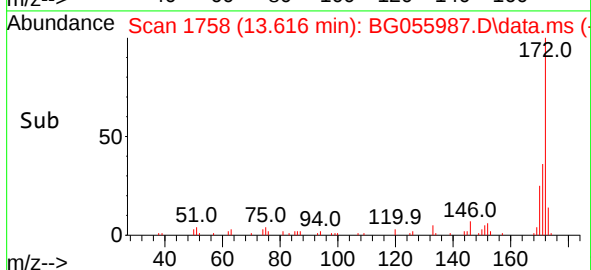
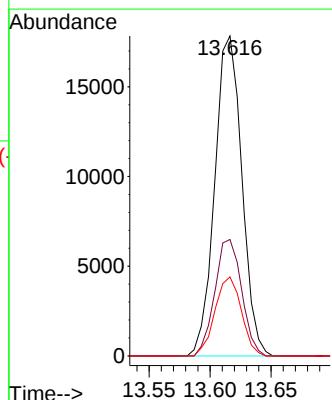
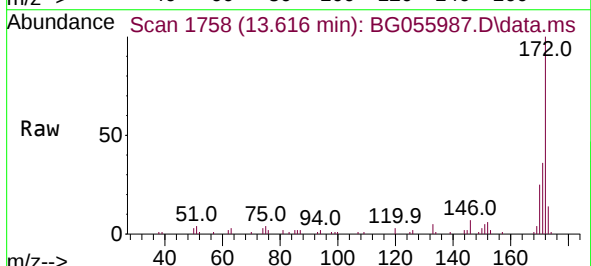
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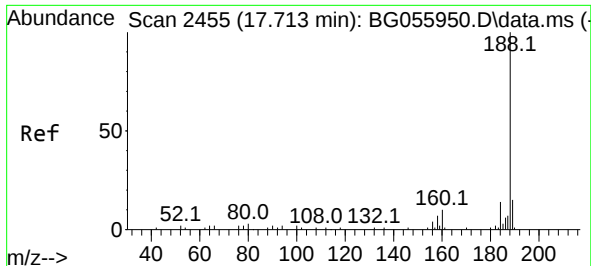
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#45
2-Fluorobiphenyl
Concen: 12.427 ng
RT: 13.616 min Scan# 1758
Delta R.T. 0.005 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion:172 Resp: 27580
Ion Ratio Lower Upper
172 100
171 36.4 28.6 42.8
170 24.7 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.723 min Scan# 2455
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

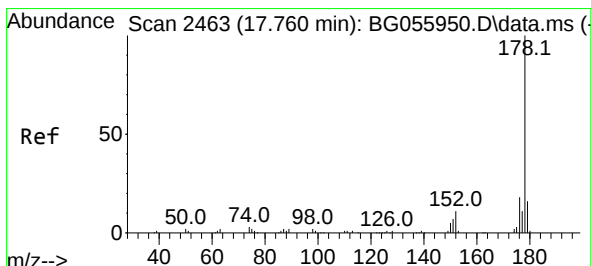
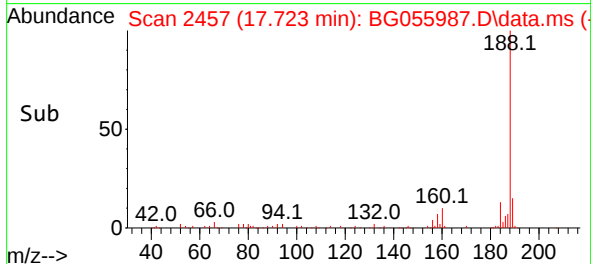
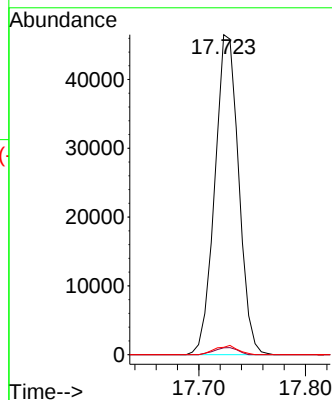
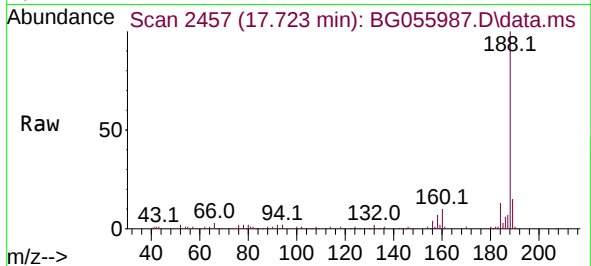
PT-2-121422

Tgt Ion:188 Resp: 72405
Ion Ratio Lower Upper
188 100
94 2.1 1.8 2.8
80 2.3 2.4 3.6

Manual Integrations

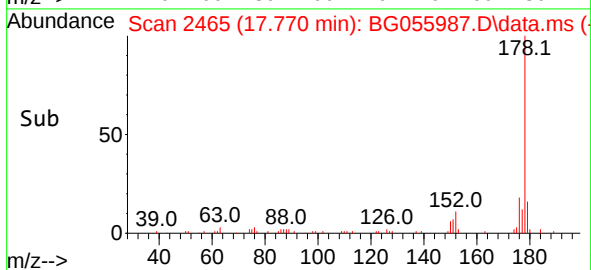
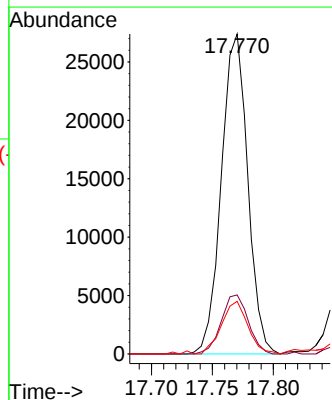
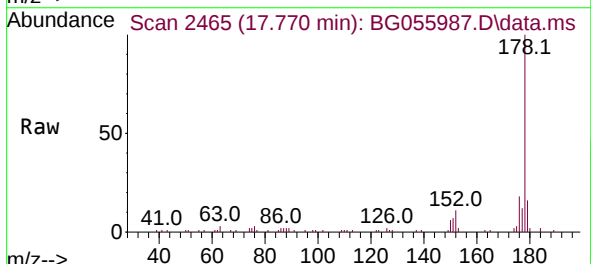
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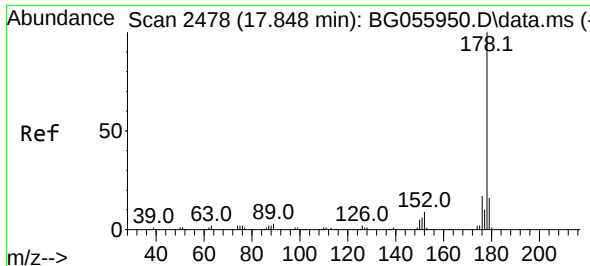
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#71
Phenanthrene
Concen: 10.855 ng
RT: 17.770 min Scan# 2465
Delta R.T. 0.011 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Tgt Ion:178 Resp: 41187
Ion Ratio Lower Upper
178 100
176 18.4 14.4 21.6
179 16.4 12.7 19.1





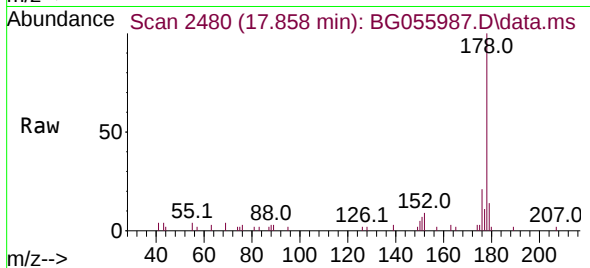
#72
 Anthracene
 Concen: 3.332 ng m
 RT: 17.858 min Scan# 2478
 Delta R.T. 0.011 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

PT-2-121422

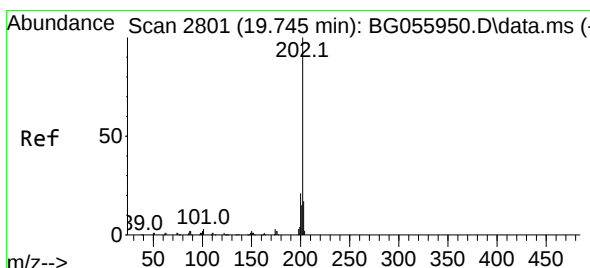
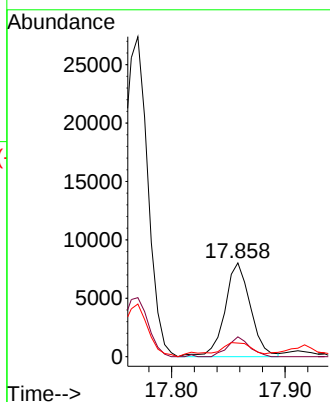
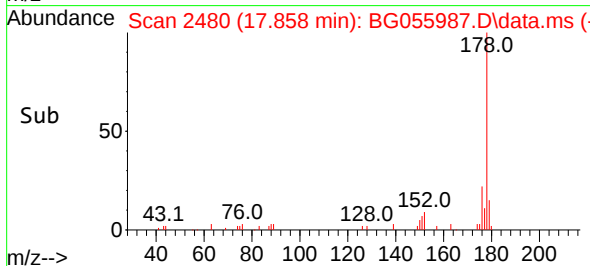


Tgt Ion:178 Resp: 12508
 Ion Ratio Lower Upper
 178 100
 176 21.1 13.9 20.9
 179 14.4 12.7 19.1

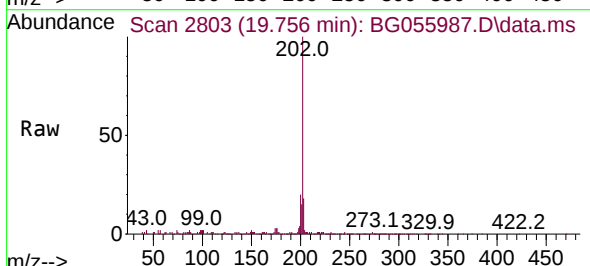
Manual Integrations

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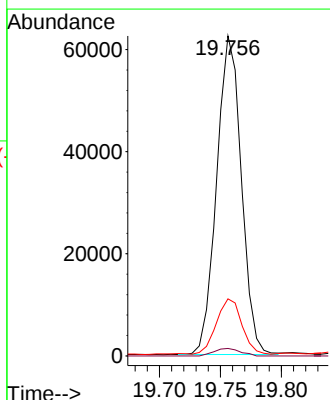
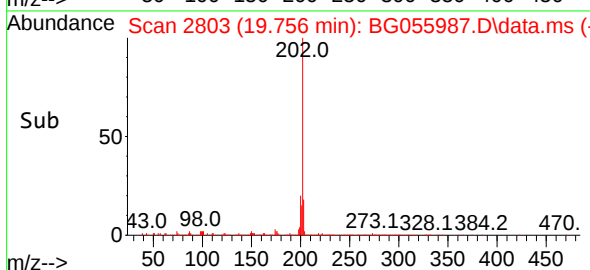
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

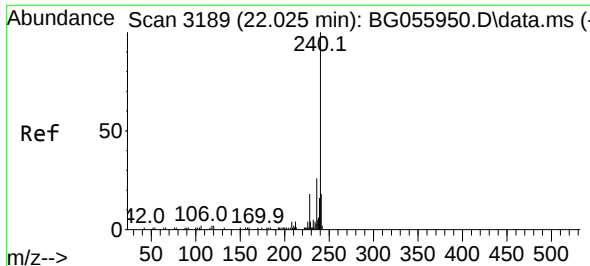


#75
 Fluoranthene
 Concen: 16.542 ng
 RT: 19.756 min Scan# 2803
 Delta R.T. 0.011 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55



Tgt Ion:202 Resp: 87895
 Ion Ratio Lower Upper
 202 100
 101 2.3 0.0 22.6
 203 17.8 0.0 37.1





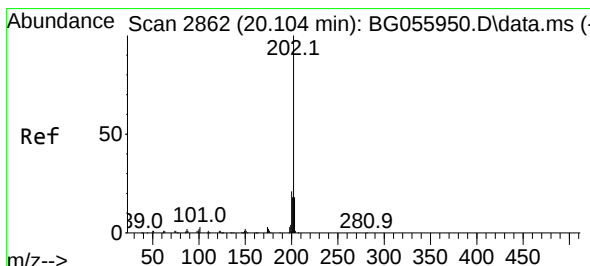
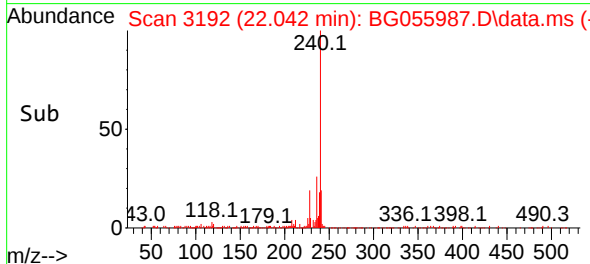
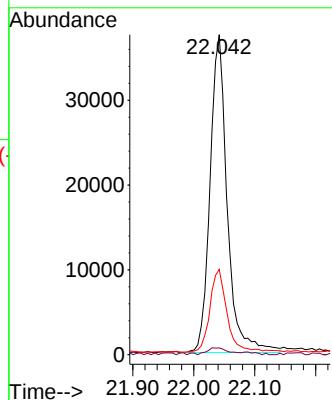
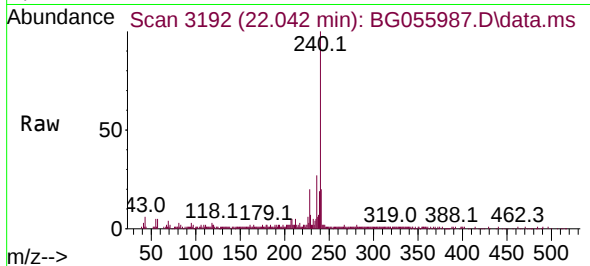
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3189
Delta R.T. 0.017 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Instrument :
BNA_G
ClientSampleId :
PT-2-121422

Tgt Ion:240 Resp: 73526
Ion Ratio Lower Upper
240 100
120 2.1 1.7 2.5
236 26.6 21.1 31.7

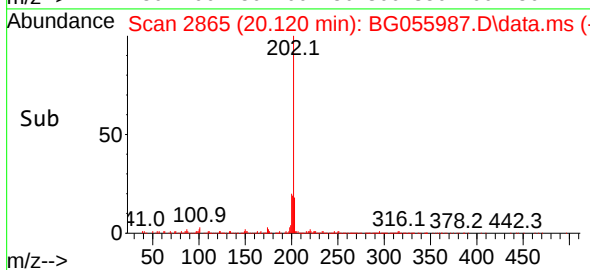
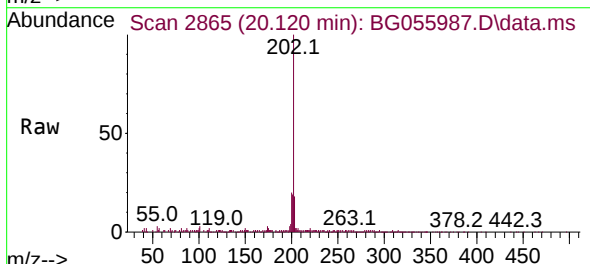
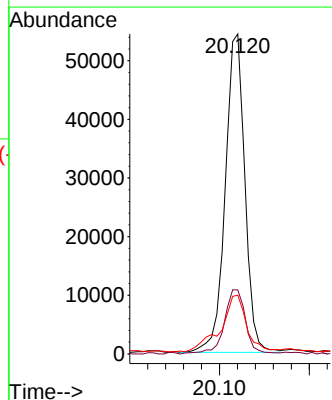
Manual Integrations
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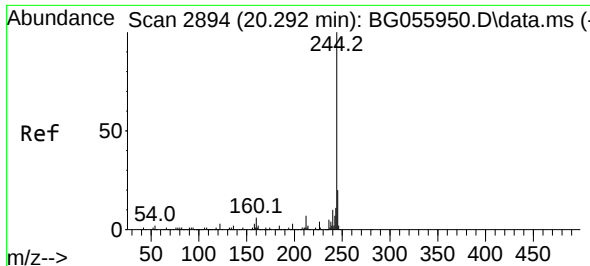
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#78
Pyrene
Concen: 18.637 ng
RT: 20.120 min Scan# 2865
Delta R.T. 0.017 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

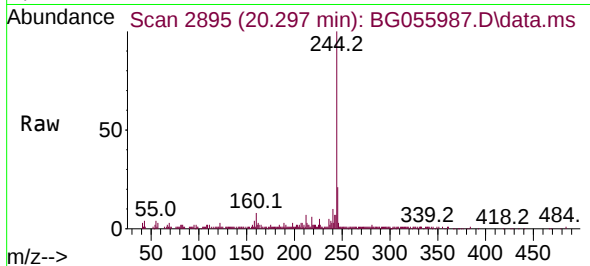
Tgt Ion:202 Resp: 82918
Ion Ratio Lower Upper
202 100
200 20.0 16.7 25.1
203 18.3 14.6 21.8





#79
 Terphenyl-d14
 Concen: 11.074 ng
 RT: 20.297 min Scan# 2894
 Delta R.T. 0.005 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55

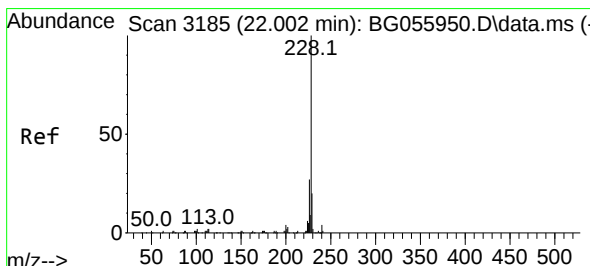
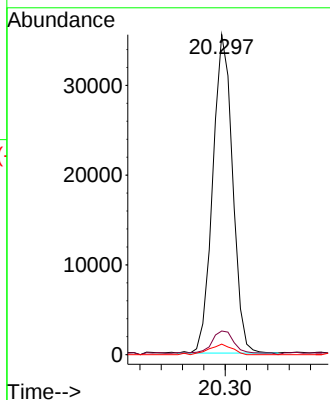
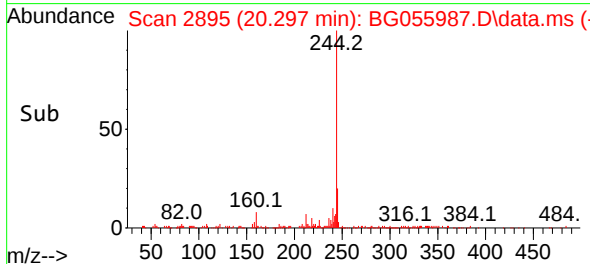
Instrument :
 BNA_G
 ClientSampleId :
 PT-2-121422



Tgt Ion:244 Resp: 46071
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 3.3 2.5 3.7

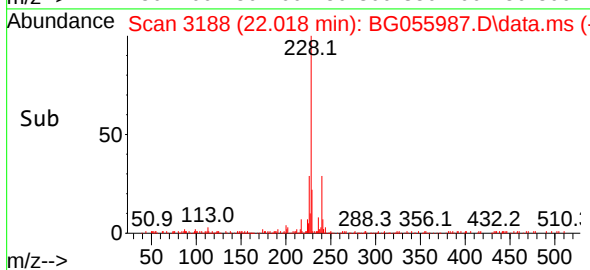
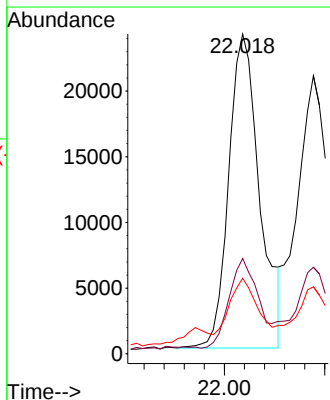
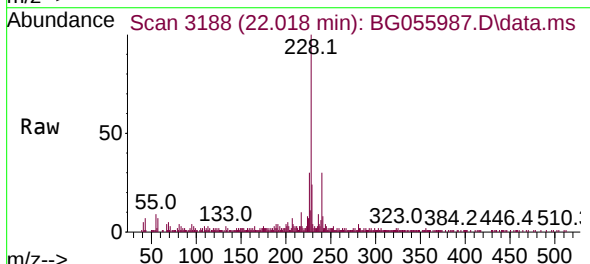
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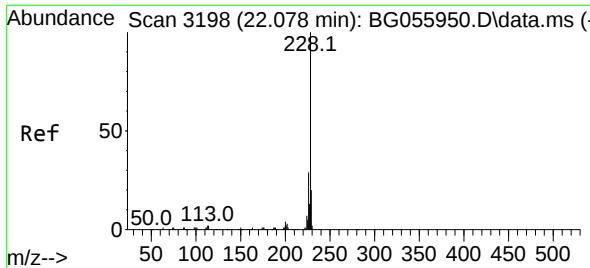
Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022



#81
 Benzo(a)anthracene
 Concen: 9.872 ng
 RT: 22.018 min Scan# 3188
 Delta R.T. 0.017 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55

Tgt Ion:228 Resp: 51079
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.8 32.6
 229 23.6 15.9 23.9





#83

Chrysene

Concen: 9.289 ng

RT: 22.089 min Scan# 3198

Delta R.T. 0.011 min

Lab File: BG055987.D

Acq: 15 Dec 2022 21:55

Instrument :

BNA_G

ClientSampleId :

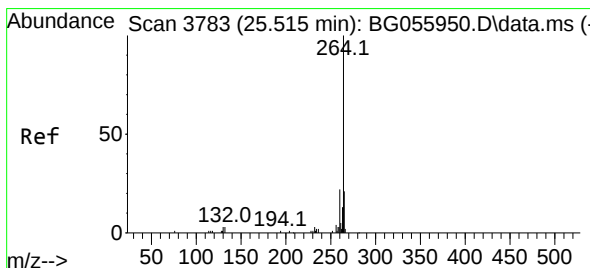
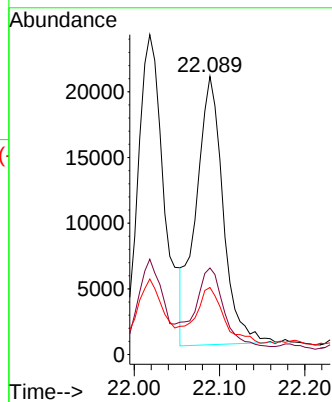
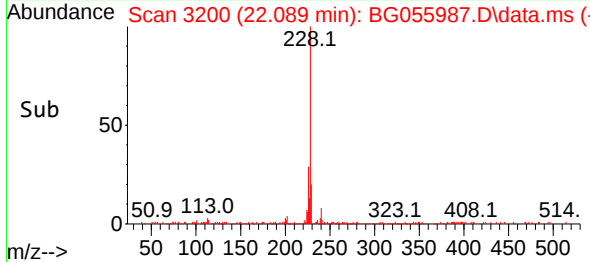
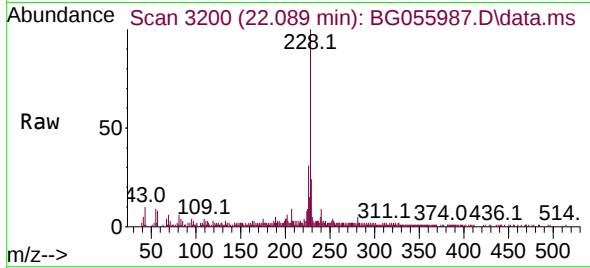
PT-2-121422

Tgt Ion:	228	Resp:	45045
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.1	34.7
229	24.1	15.7	23.5

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Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#86

Perylene-d12

Concen: 20.000 ng

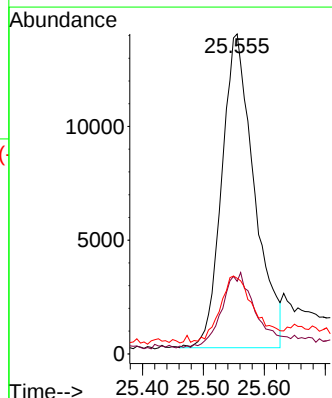
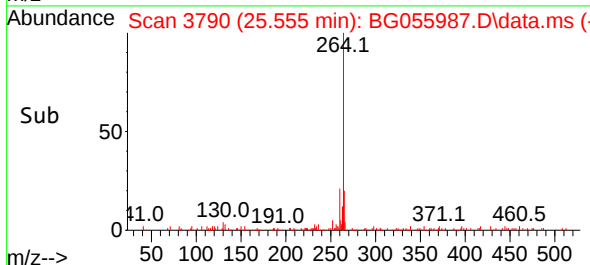
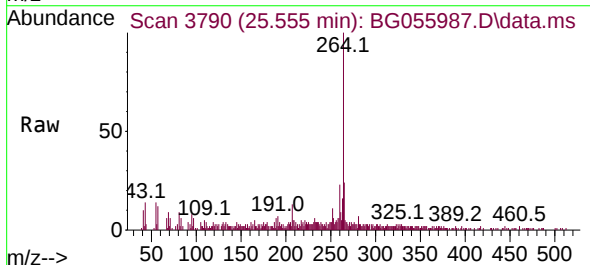
RT: 25.555 min Scan# 3790

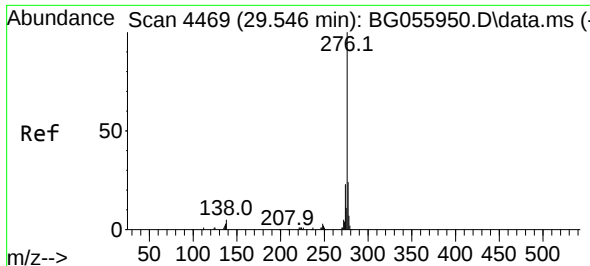
Delta R.T. 0.040 min

Lab File: BG055987.D

Acq: 15 Dec 2022 21:55

Tgt Ion:	264	Resp:	51092
Ion Ratio	Lower	Upper	
264	100		
260	22.7	17.8	26.8
265	23.6	16.6	25.0





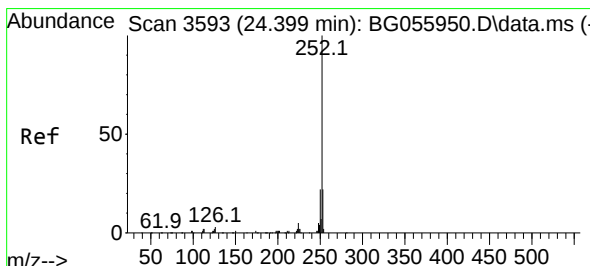
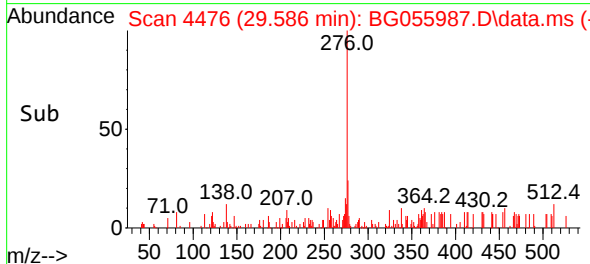
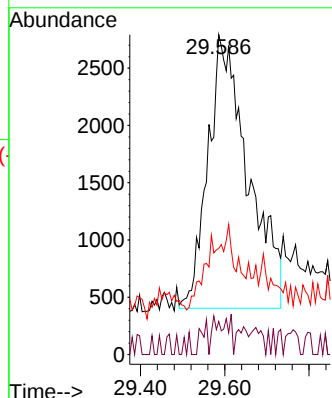
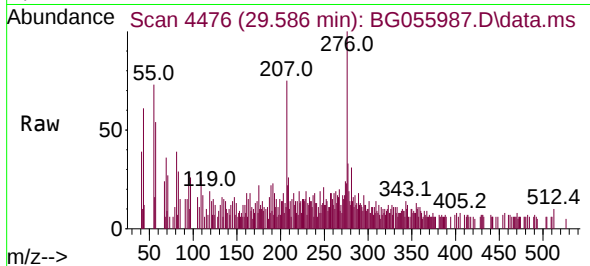
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.841 ng m
RT: 29.586 min Scan# 4469
Delta R.T. 0.040 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

Instrument :
BNA_G
ClientSampleId :
PT-2-121422

Tgt Ion:276 Resp: 15780
Ion Ratio Lower Upper
276 100
138 2.8 3.0 4.4#
277 8.6 20.4 30.6#

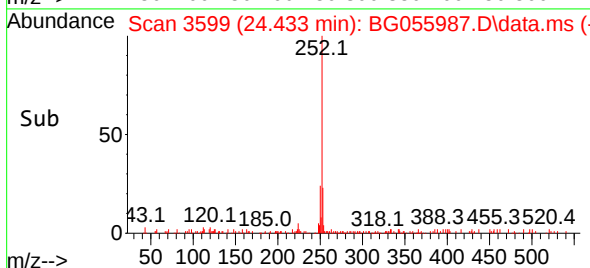
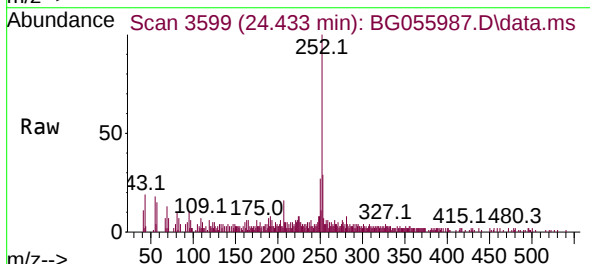
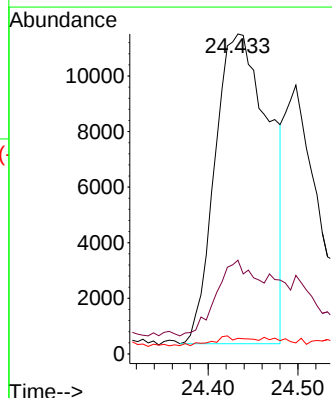
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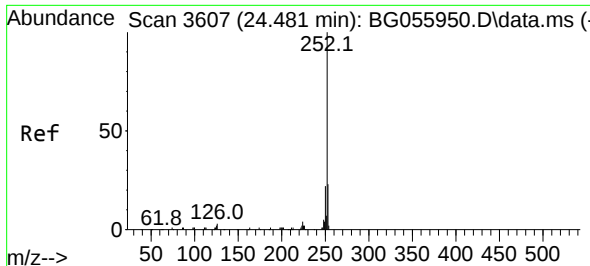
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022



#88
Benzo(b)fluoranthene
Concen: 14.147 ng
RT: 24.433 min Scan# 3599
Delta R.T. 0.034 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

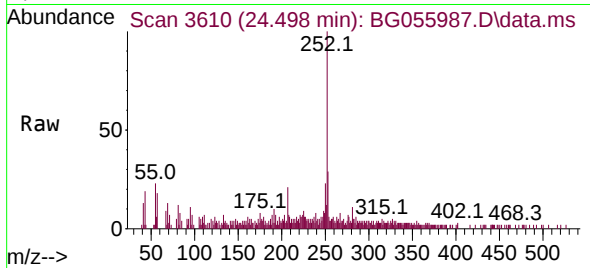
Tgt Ion:252 Resp: 46780
Ion Ratio Lower Upper
252 100
253 29.3 17.4 26.0#
125 4.9 1.8 2.8#





#89
Benzo(k)fluoranthene
Concen: 8.219 ng m
RT: 24.498 min Scan# 3610
Delta R.T. 0.017 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55

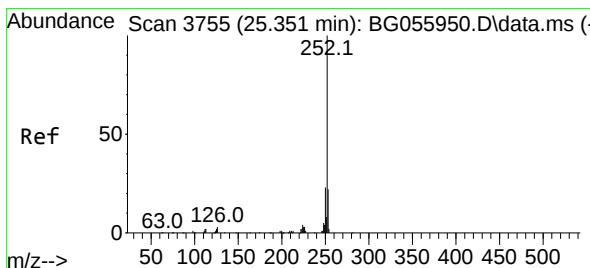
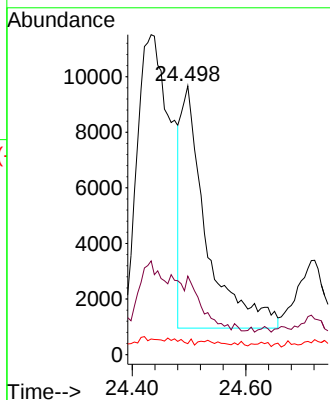
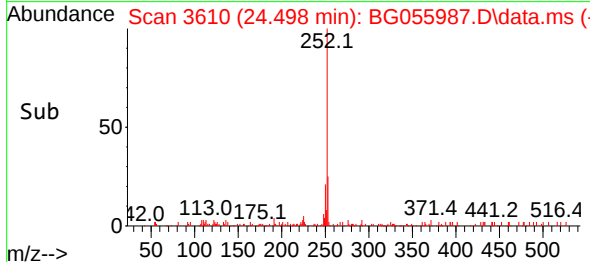
Instrument :
BNA_G
ClientSampleId :
PT-2-121422



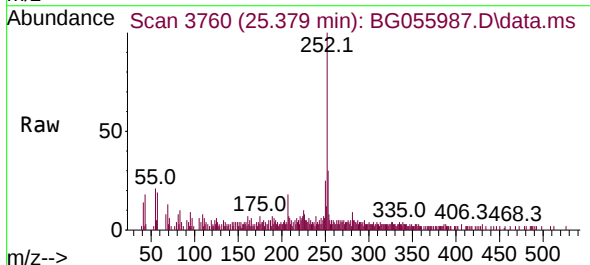
Tgt Ion:252 Resp: 27115
Ion Ratio Lower Upper
252 100
253 29.2 18.2 27.2#
125 4.1 2.0 3.0#

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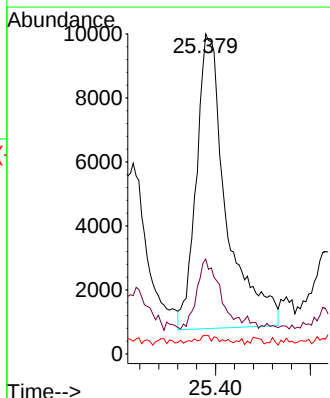
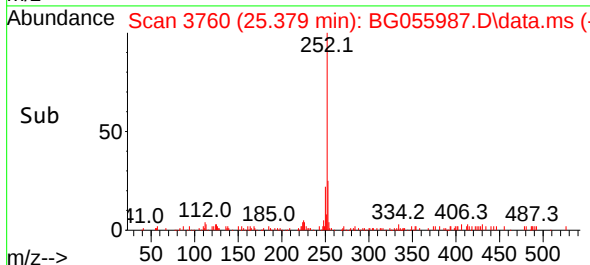
Reviewed By :Jagrut Upadhyay 12/16/2022
Supervised By :mohammad ahmed 12/17/2022

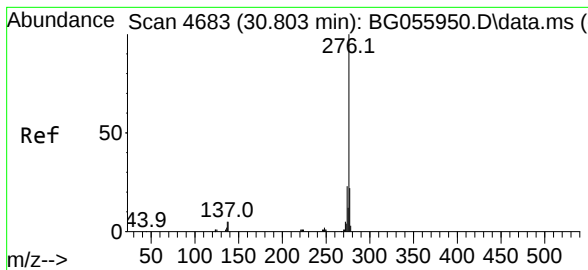


#90
Benzo(a)pyrene
Concen: 14.505 ng
RT: 25.379 min Scan# 3760
Delta R.T. 0.028 min
Lab File: BG055987.D
Acq: 15 Dec 2022 21:55



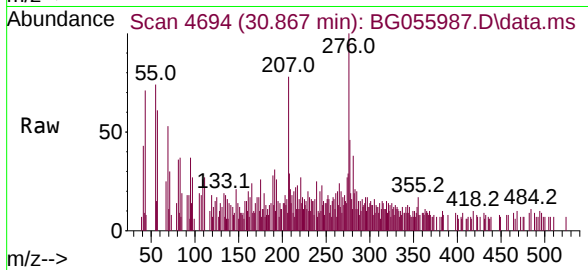
Tgt Ion:252 Resp: 40543
Ion Ratio Lower Upper
252 100
253 29.6 17.7 26.5#
125 5.8 1.9 2.9#





#92
 Benzo(g,h,i)perylene
 Concen: 3.977 ng m
 RT: 30.867 min Scan# 4694
 Delta R.T. 0.064 min
 Lab File: BG055987.D
 Acq: 15 Dec 2022 21:55

Instrument :
 BNA_G
 ClientSampleId :
 PT-2-121422



Tgt Ion:	276	Resp:	13223
Ion Ratio	Lower	Upper	
276	100		
277	46.1	17.8	26.6
138	6.4	3.8	5.6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/16/2022
 Supervised By :mohammad ahmed 12/17/2022

