

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
 Data File : BG055970.D
 Acq On : 14 Dec 2022 22:11
 Operator : CG/JU
 Sample : N6023-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WASTE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/16/2022

Quant Time: Dec 15 00:53:02 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	8.372	152	8370	20.000	ng	0.00
21) Naphthalene-d8	11.204	136	30050	20.000	ng	# 0.00
39) Acenaphthene-d10	14.976	164	23359	20.000	ng	0.00
64) Phenanthrene-d10	17.714	188	54889	20.000	ng	0.00
76) Chrysene-d12	22.033	240	58315	20.000	ng	# 0.00
86) Perylene-d12	25.540	264	73251	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.887	112	34144	95.668	ng	0.00
7) Phenol-d6	7.497	99	42179	91.888	ng	0.00
23) Nitrobenzene-d5	9.542	82	28092	65.329	ng	0.00
42) 2,4,6-Tribromophenol	16.457	330	52873	93.870	ng	0.00
45) 2-Fluorobiphenyl	13.607	172	108213	64.972	ng	0.00
79) Terphenyl-d14	20.294	244	205800	62.373	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.755	178	26060	9.060	ng	97
75) Fluoranthene	19.747	202	54969	13.647	ng	96
78) Pyrene	20.106	202	46477	13.171	ng	98
81) Benzo(a)anthracene	22.009	228	29129	7.099	ng	# 92
83) Chrysene	22.080	228	31002	8.061	ng	# 94
87) Indeno(1,2,3-cd)pyrene	29.571	276	18242	3.097	ng	# 56
88) Benzo(b)fluoranthene	24.412	252	46140	9.733	ng	# 87
89) Benzo(k)fluoranthene	24.477	252	19311m	4.083	ng	
90) Benzo(a)pyrene	25.376	252	29117	7.266	ng	# 98
92) Benzo(g,h,i)perylene	30.828	276	21639m	4.540	ng	

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

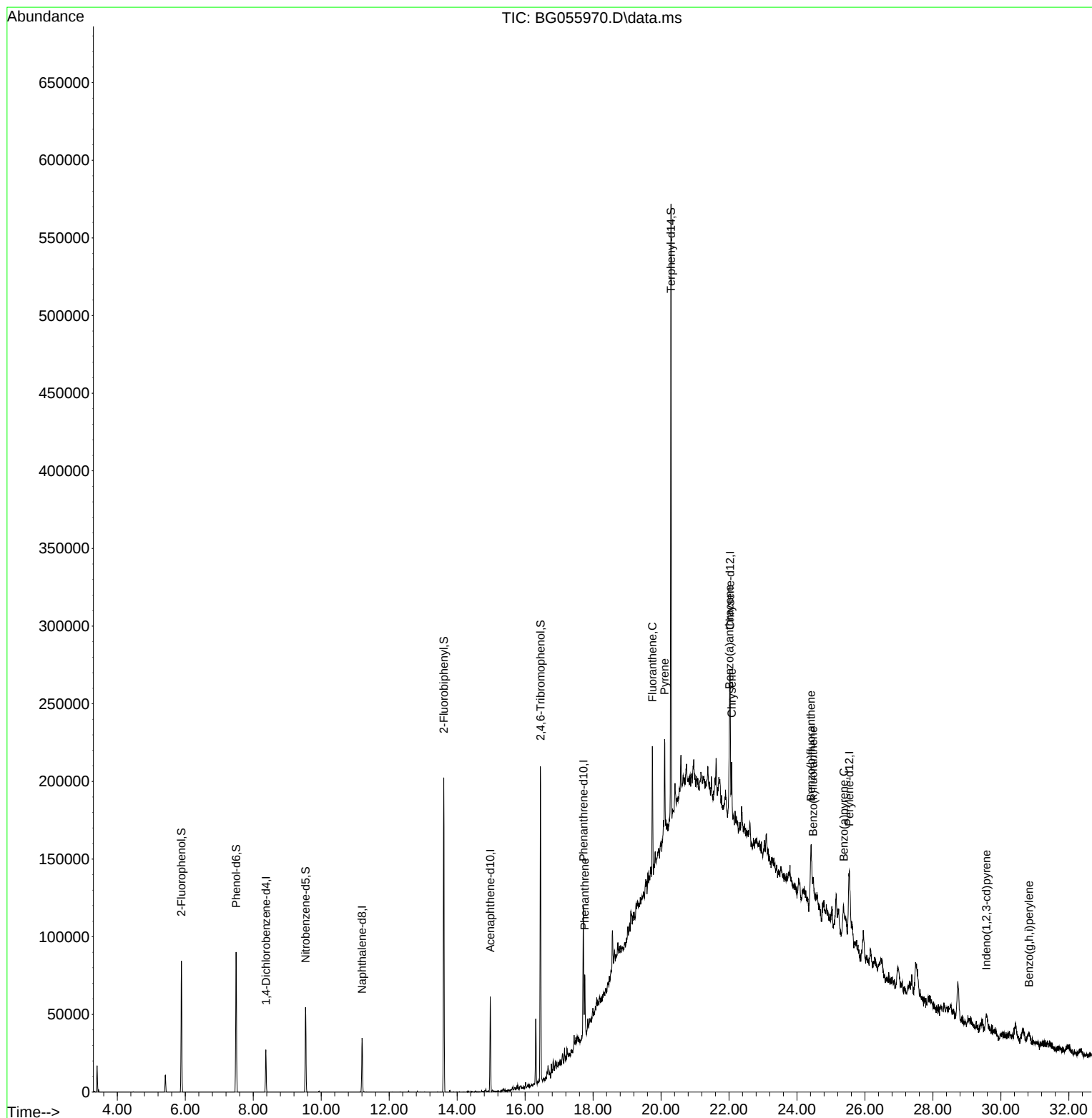
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055970.D
Acq On : 14 Dec 2022 22:11
Operator : CG/JU
Sample : N6023-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

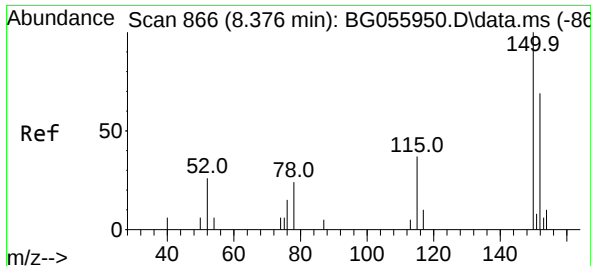
Instrument :
BNA_G
ClientSampleId :
WASTE

Quant Time: Dec 15 00:53:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
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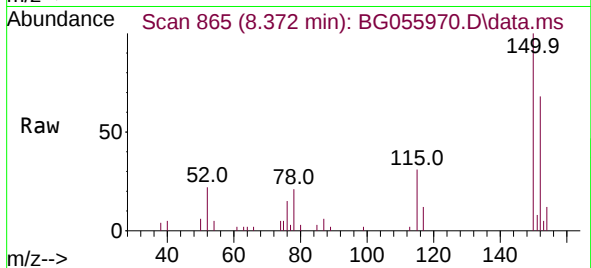
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.372 min Scan# 866
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

WASTE

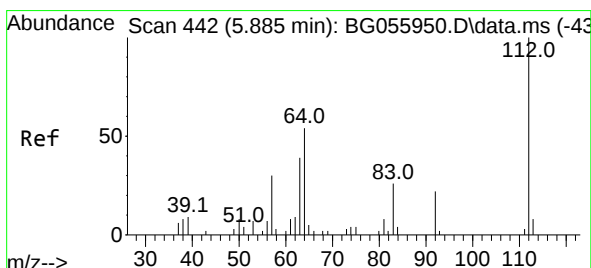
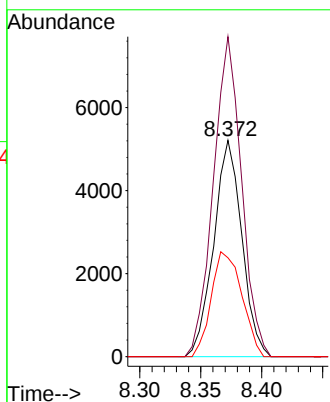
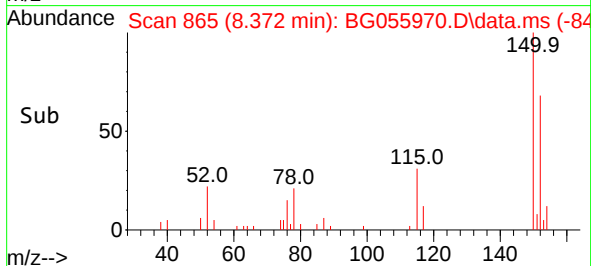


Tgt Ion:152 Resp: 8370
Ion Ratio Lower Upper
152 100
150 148.0 115.7 173.5
115 45.7 43.0 64.4

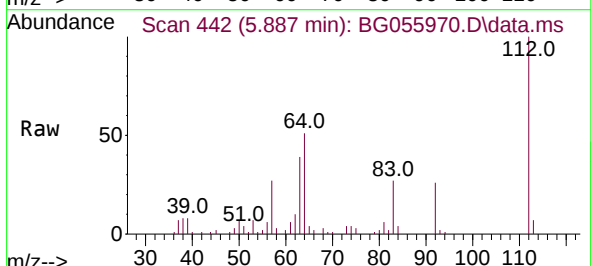
Manual Integrations

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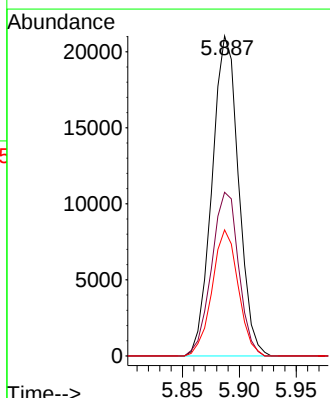
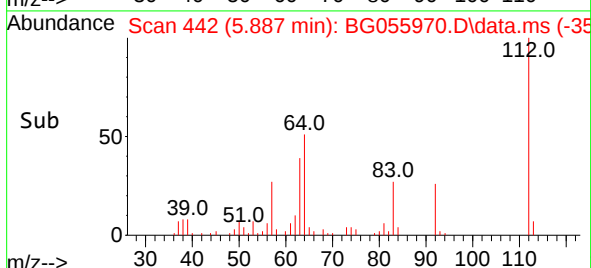
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022

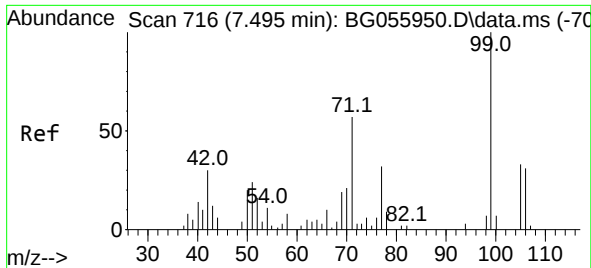


#5
2-Fluorophenol
Concen: 95.668 ng
RT: 5.887 min Scan# 442
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11



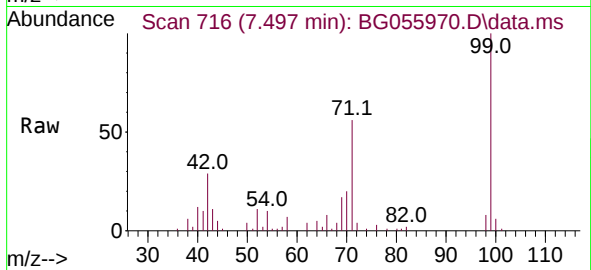
Tgt Ion:112 Resp: 34144
Ion Ratio Lower Upper
112 100
64 51.1 43.0 64.4
63 39.4 31.4 47.2





#7
Phenol-d6
Concen: 91.888 ng
RT: 7.497 min Scan# 716
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

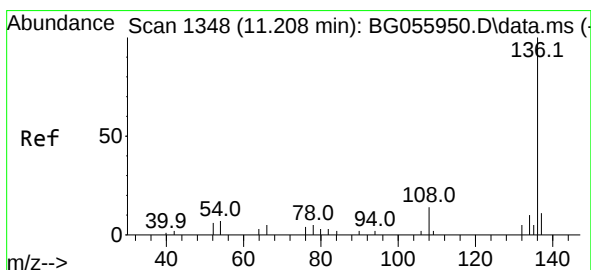
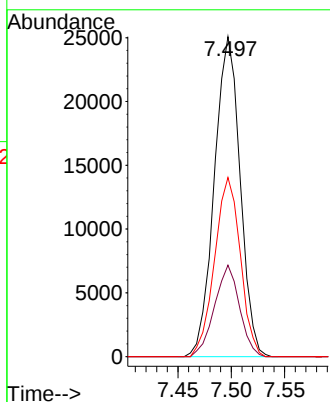
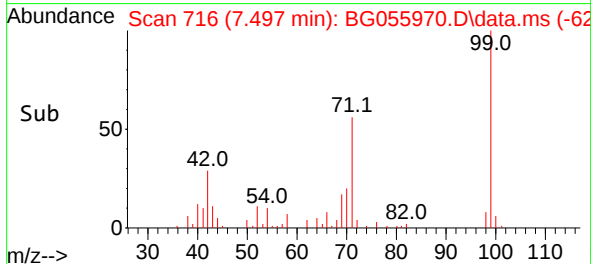
Instrument :
BNA_G
ClientSampleId :
WASTE



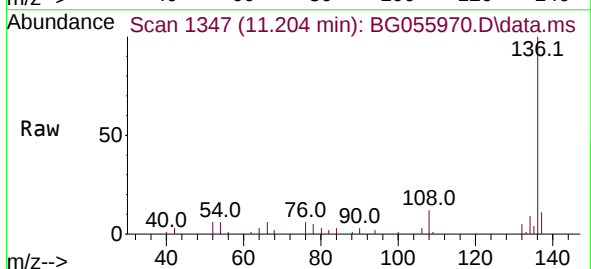
Tgt Ion: 99 Resp: 42179
Ion Ratio Lower Upper
99 100
42 28.6 24.3 36.5
71 56.0 45.6 68.4

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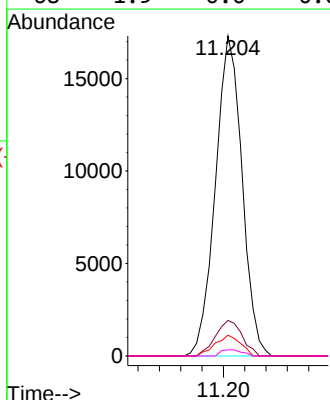
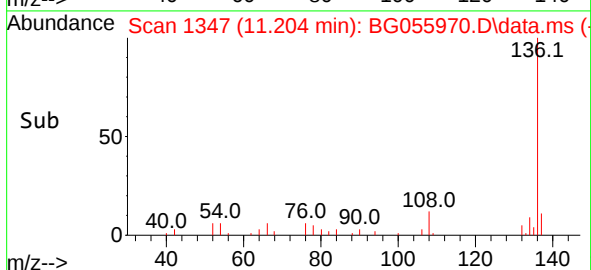
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Supervised By :mohammad ahmed 12/16/2022

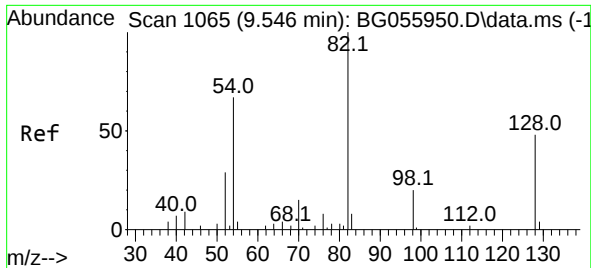


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.204 min Scan# 1347
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11



Tgt Ion:136 Resp: 30050
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 6.5 5.6 8.4
68 1.9 0.0 0.0#





#23
Nitrobenzene-d5
Concen: 65.329 ng
RT: 9.542 min Scan# 1064
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

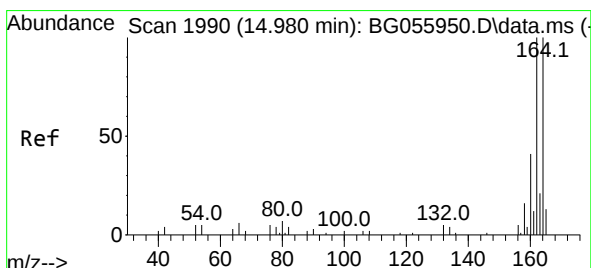
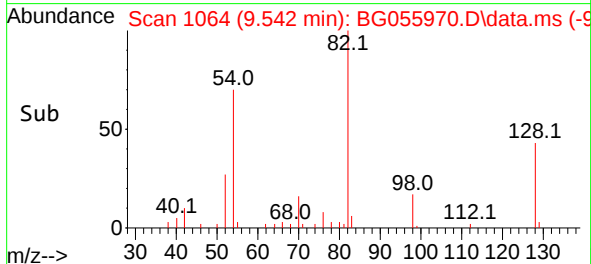
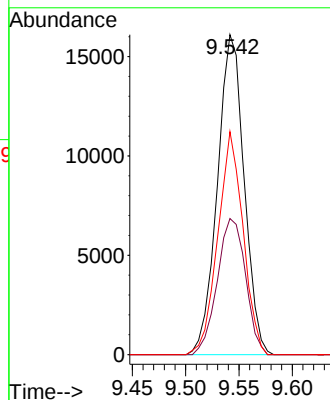
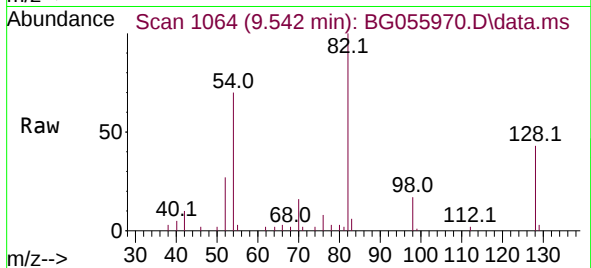
WASTE

Tgt Ion: 82 Resp: 28092
Ion Ratio Lower Upper
82 100
128 42.5 38.4 57.6
54 69.7 53.3 79.9

Manual Integrations

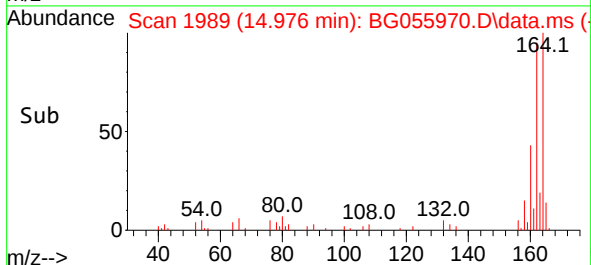
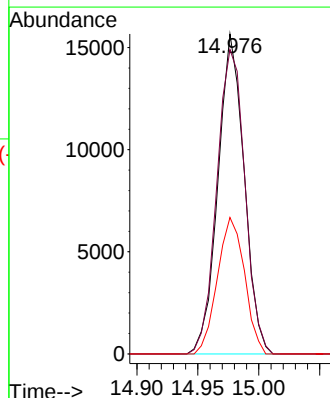
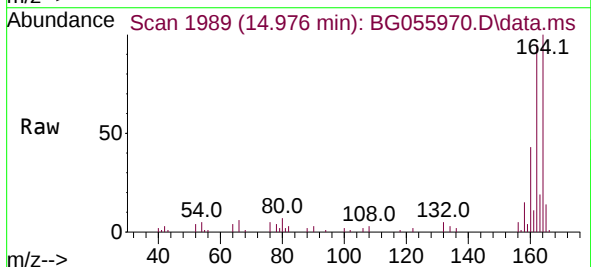
APPROVED

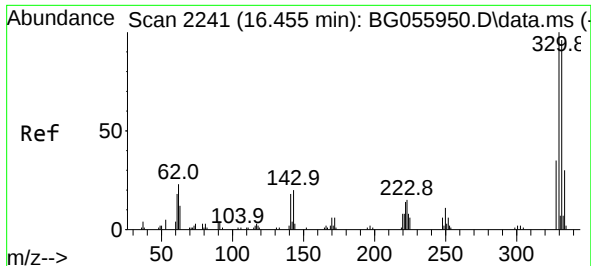
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.976 min Scan# 1989
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:164 Resp: 23359
Ion Ratio Lower Upper
164 100
162 95.1 79.8 119.8
160 42.6 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 93.870 ng
RT: 16.457 min Scan# 2241
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

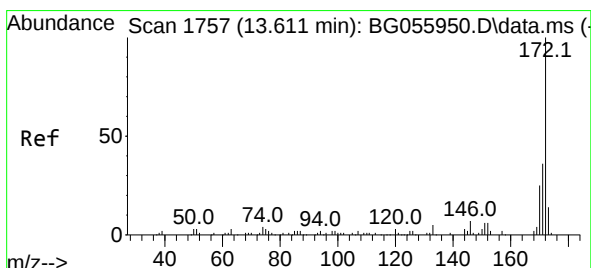
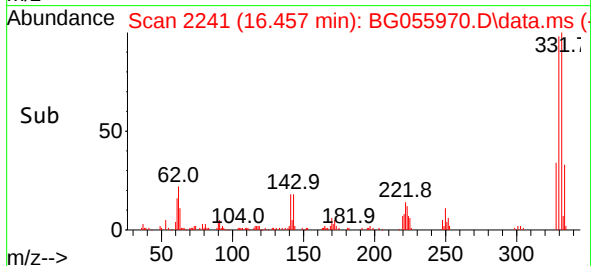
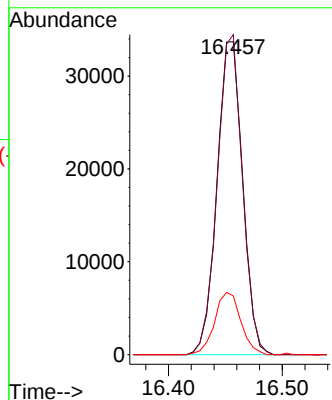
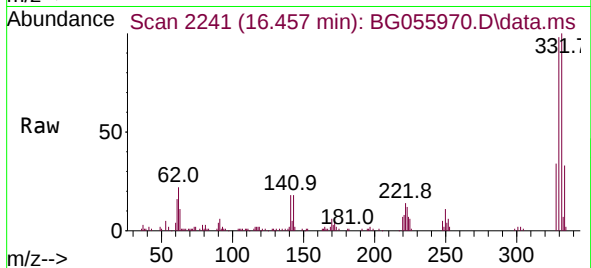
WASTE

Tgt Ion:330 Resp: 52873
Ion Ratio Lower Upper
330 100
332 99.6 76.6 114.8
141 20.2 15.0 22.4

Manual Integrations

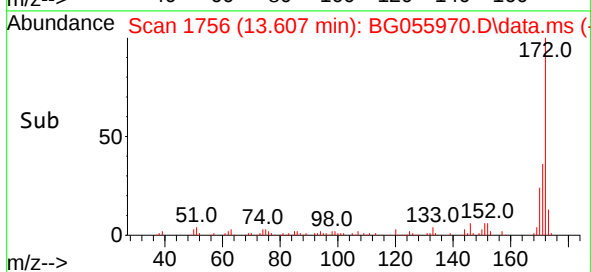
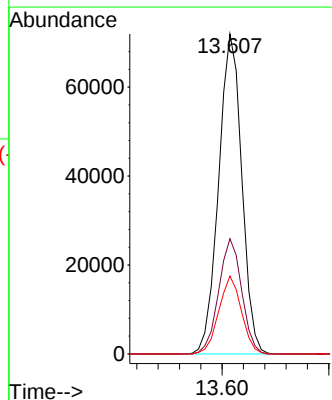
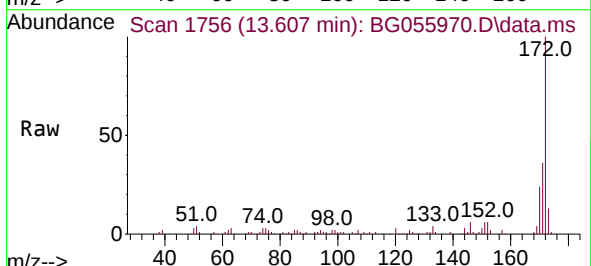
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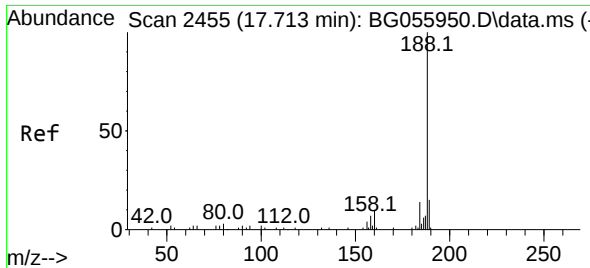
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022



#45
2-Fluorobiphenyl
Concen: 64.972 ng
RT: 13.607 min Scan# 1756
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:172 Resp: 108213
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 24.3 19.9 29.9





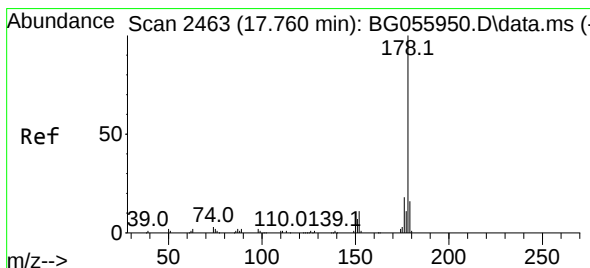
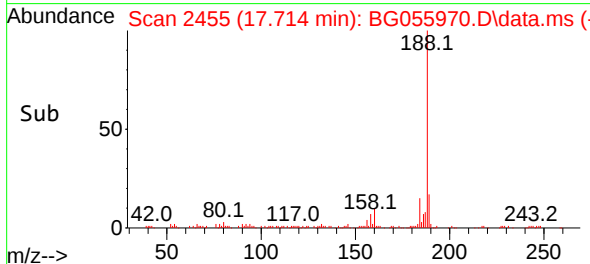
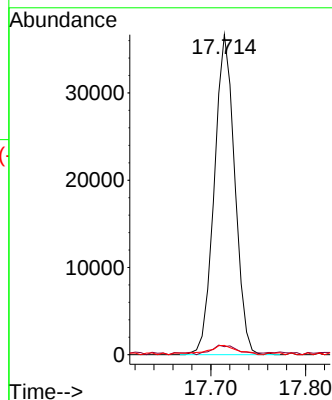
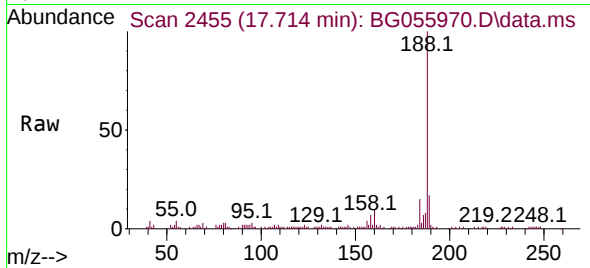
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.714 min Scan# 2455
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Instrument :
BNA_G
ClientSampleId :
WASTE

Tgt Ion:188 Resp: 54889
Ion Ratio Lower Upper
188 100
94 2.5 1.8 2.8
80 2.9 2.4 3.6

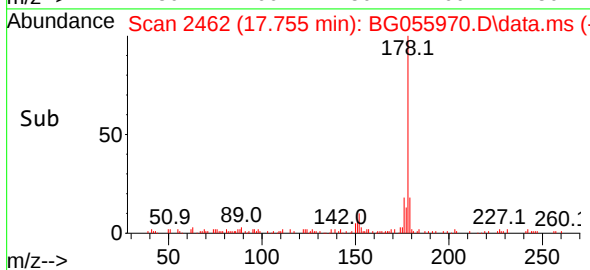
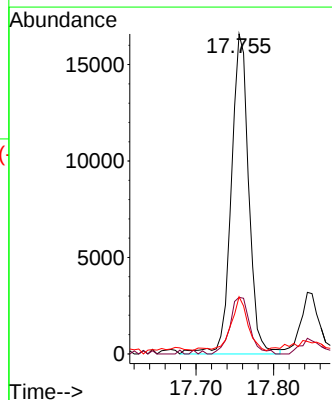
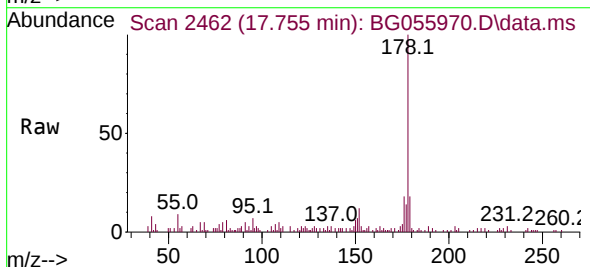
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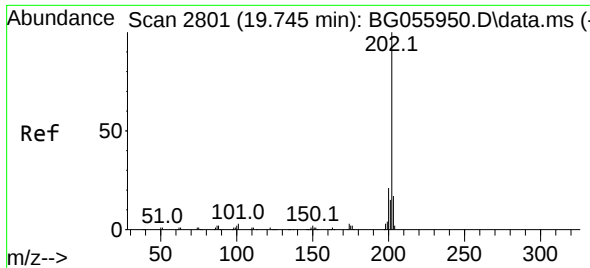
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022



#71
Phenanthrene
Concen: 9.060 ng
RT: 17.755 min Scan# 2462
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:178 Resp: 26060
Ion Ratio Lower Upper
178 100
176 17.7 14.4 21.6
179 17.8 12.7 19.1





#75
Fluoranthene
Concen: 13.647 ng
RT: 19.747 min Scan# 2801
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

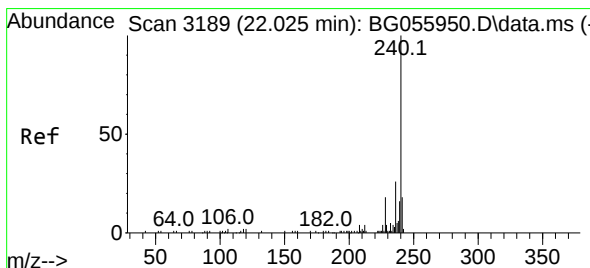
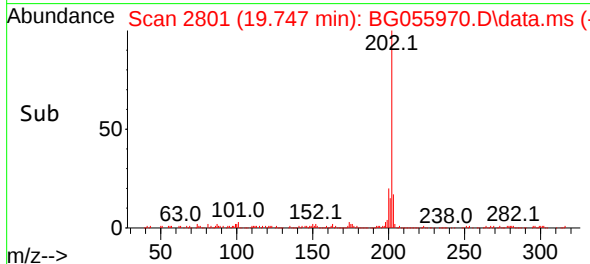
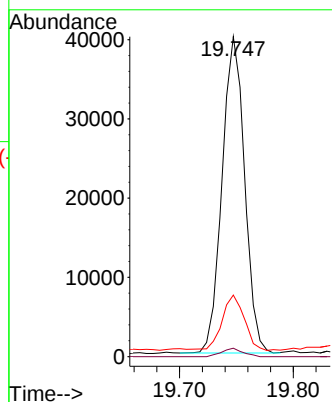
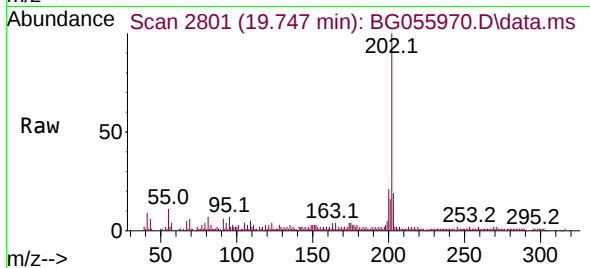
WASTE

Tgt Ion:202 Resp: 54969
Ion Ratio Lower Upper
202 100
101 2.6 0.0 22.6
203 19.2 0.0 37.1

Manual Integrations

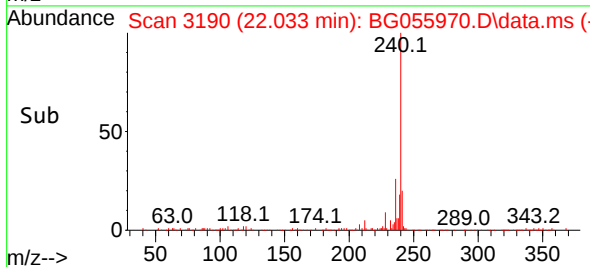
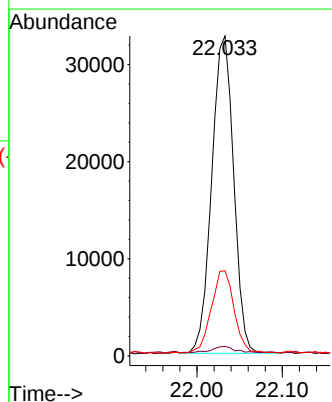
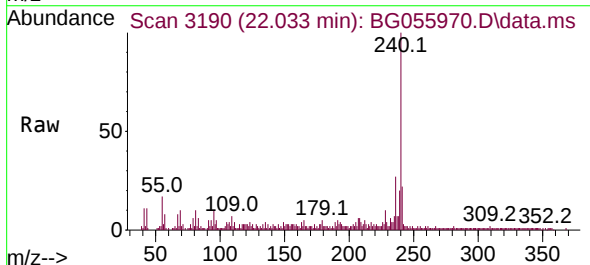
APPROVED

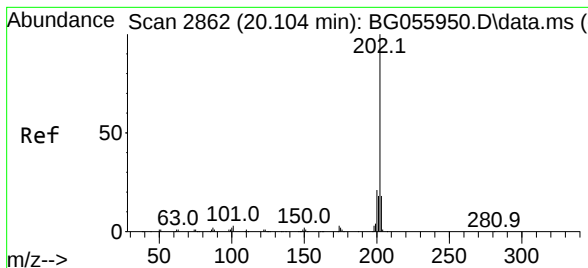
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.033 min Scan# 3190
Delta R.T. 0.008 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:240 Resp: 58315
Ion Ratio Lower Upper
240 100
120 3.0 1.7 2.5#
236 26.6 21.1 31.7





#78

Pyrene

Concen: 13.171 ng

RT: 20.106 min Scan# 2862

Delta R.T. 0.002 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

Instrument :

BNA_G

ClientSampleId :

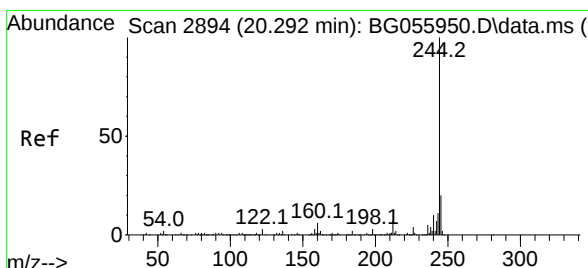
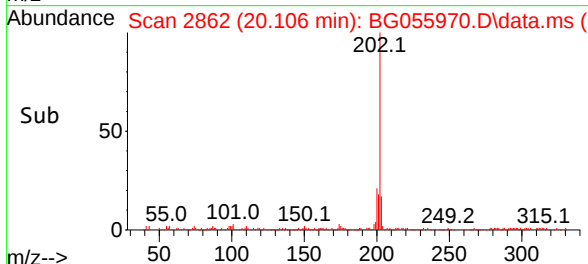
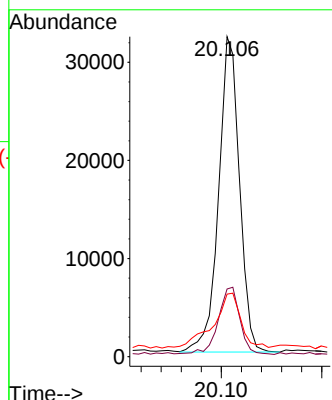
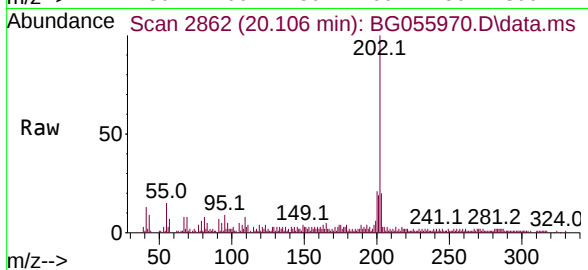
WASTE

Tgt Ion:	202	Resp:	4647
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.7	25.1
203	19.5	14.6	21.8

Manual Integrations

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#79

Terphenyl-d14

Concen: 62.373 ng

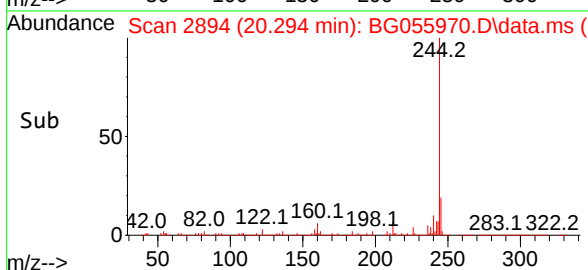
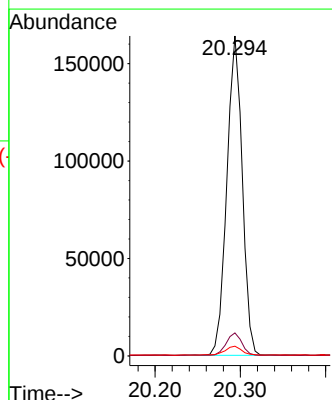
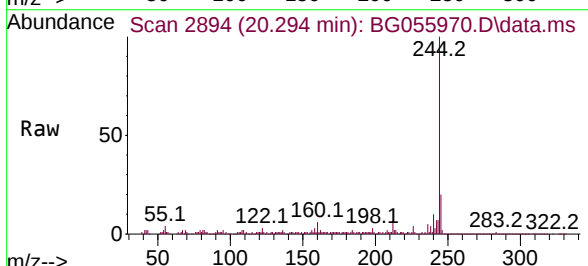
RT: 20.294 min Scan# 2894

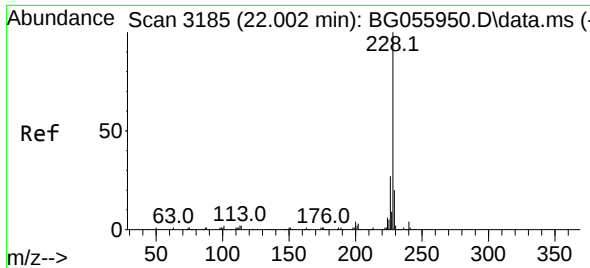
Delta R.T. 0.002 min

Lab File: BG055970.D

Acq: 14 Dec 2022 22:11

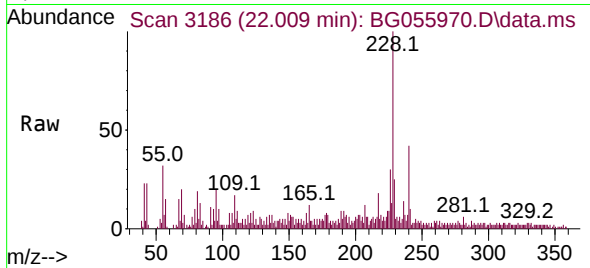
Tgt Ion:	244	Resp:	205800
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.6
122	3.0	2.5	3.7





#81
Benzo(a)anthracene
Concen: 7.099 ng
RT: 22.009 min Scan# 3185
Delta R.T. 0.008 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

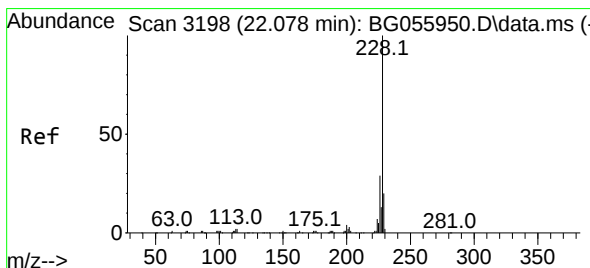
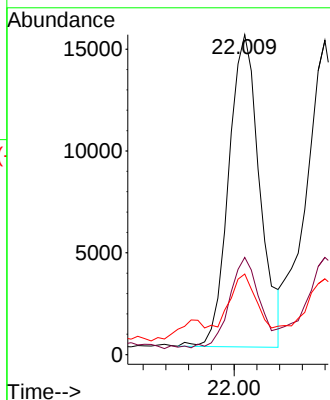
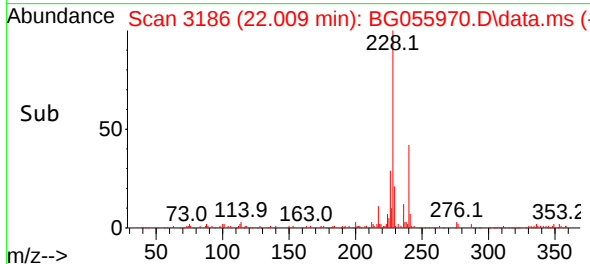
Instrument :
BNA_G
ClientSampleId :
WASTE



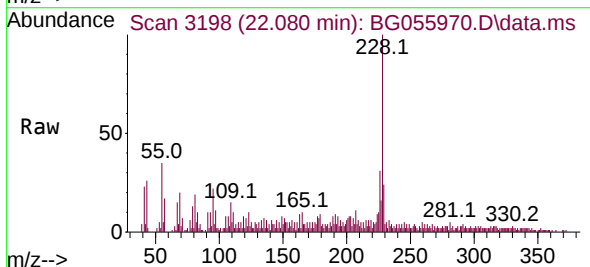
Tgt Ion:228 Resp: 29129
Ion Ratio Lower Upper
228 100
226 30.4 21.8 32.6
229 25.2 15.9 23.9

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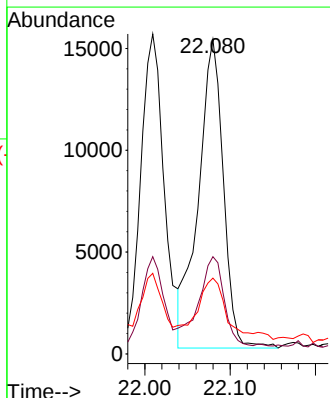
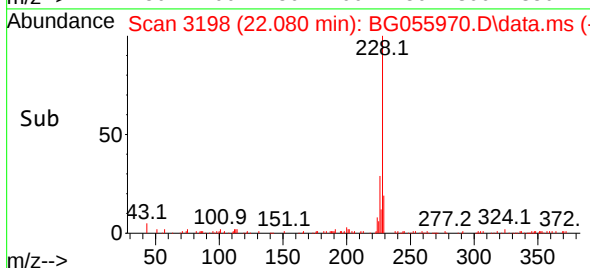
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022

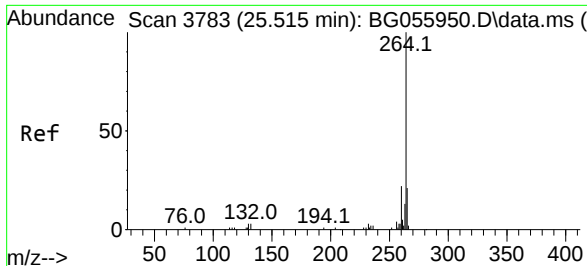


#83
Chrysene
Concen: 8.061 ng
RT: 22.080 min Scan# 3198
Delta R.T. 0.002 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11



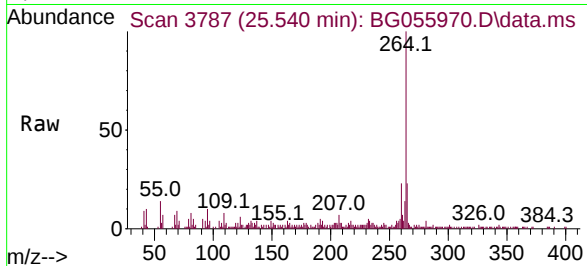
Tgt Ion:228 Resp: 31002
Ion Ratio Lower Upper
228 100
226 30.9 23.1 34.7
229 24.1 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.540 min Scan# 31
Delta R.T. 0.025 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

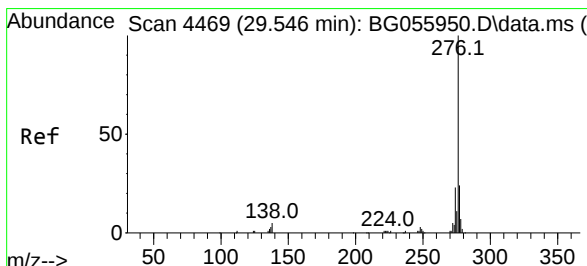
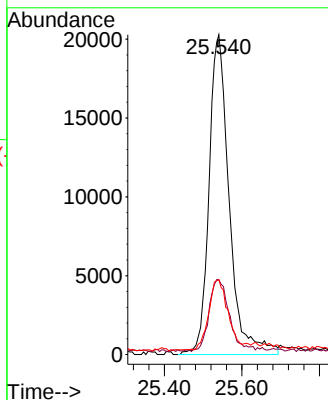
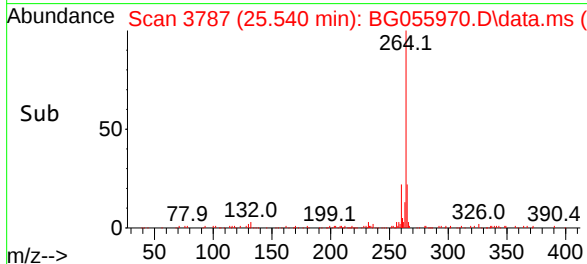
Instrument :
BNA_G
ClientSampleId :
WASTE



Tgt Ion:264 Resp: 7325
Ion Ratio Lower Upper
264 100
260 23.4 17.8 26.8
265 23.5 16.6 25.0

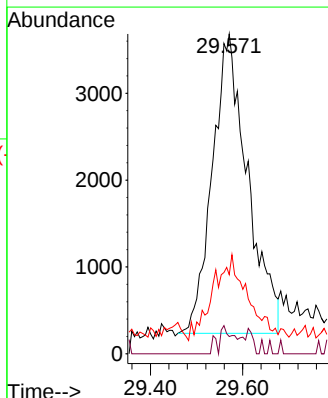
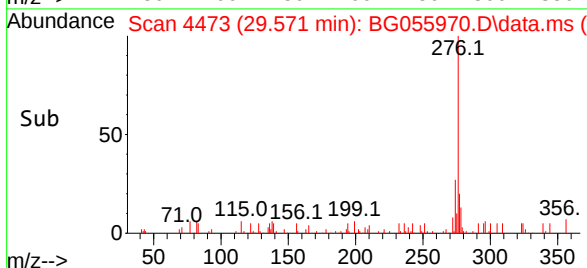
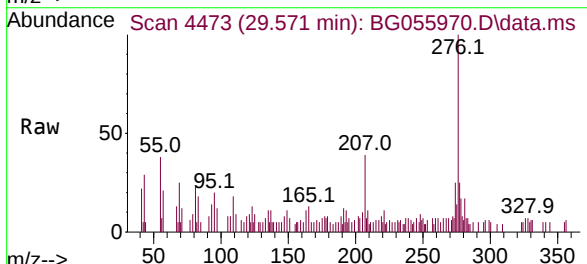
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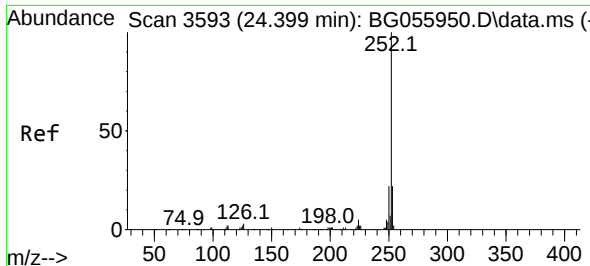
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.097 ng
RT: 29.571 min Scan# 4473
Delta R.T. 0.025 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

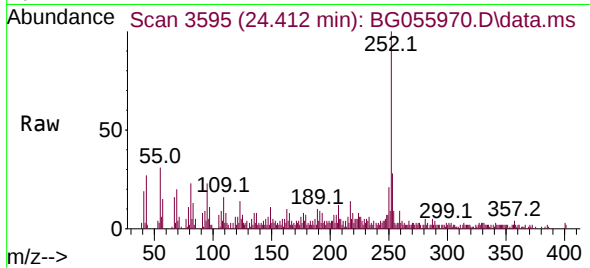
Tgt Ion:276 Resp: 18242
Ion Ratio Lower Upper
276 100
138 3.5 3.0 4.4
277 0.0 20.4 30.6#





#88
Benzo(b)fluoranthene
Concen: 9.733 ng
RT: 24.412 min Scan# 3595
Delta R.T. 0.014 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

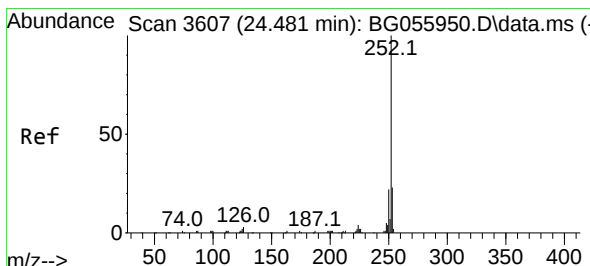
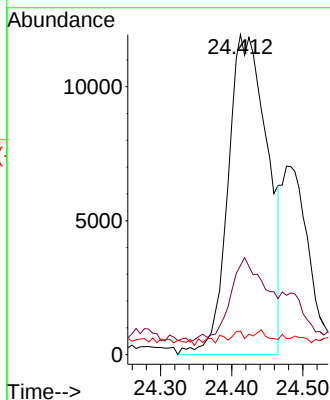
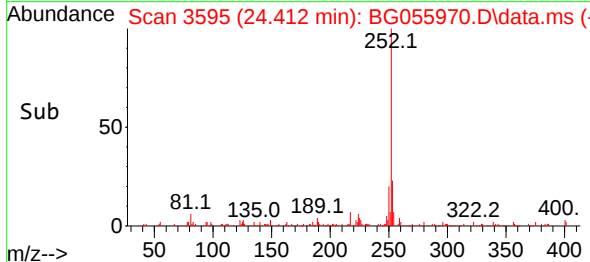
Instrument :
BNA_G
ClientSampleId :
WASTE



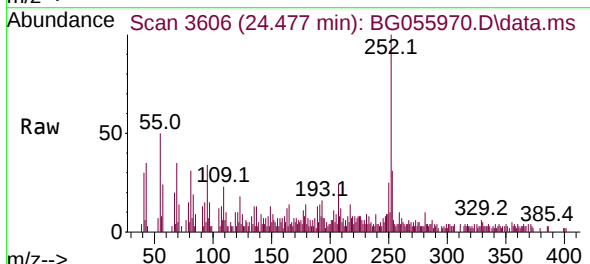
Tgt Ion:252 Resp: 46140
Ion Ratio Lower Upper
252 100
253 27.8 17.4 26.0#
125 7.4 1.8 2.8#

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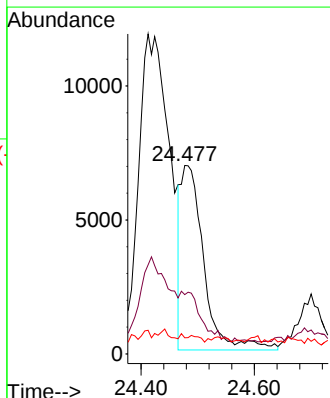
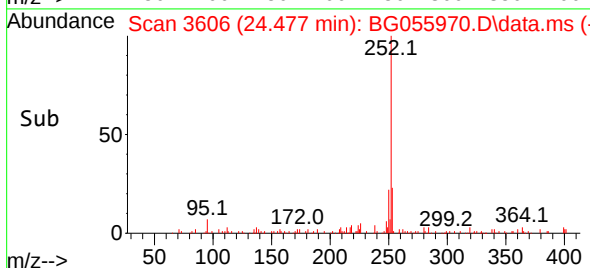
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022

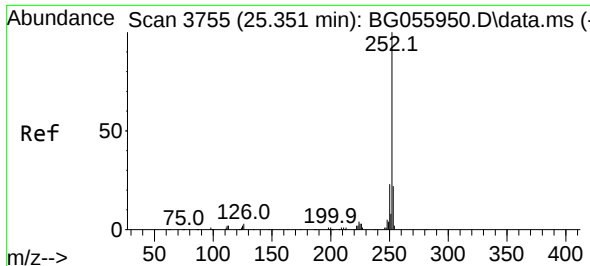


#89
Benzo(k)fluoranthene
Concen: 4.083 ng m
RT: 24.477 min Scan# 3606
Delta R.T. -0.004 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11



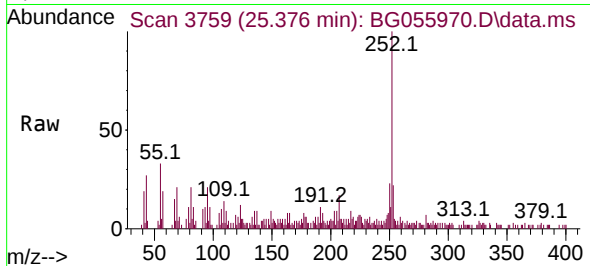
Tgt Ion:252 Resp: 19311
Ion Ratio Lower Upper
252 100
253 31.4 18.2 27.2#
125 8.6 2.0 3.0#





#90
Benzo(a)pyrene
Concen: 7.266 ng
RT: 25.376 min Scan# 31
Delta R.T. 0.025 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

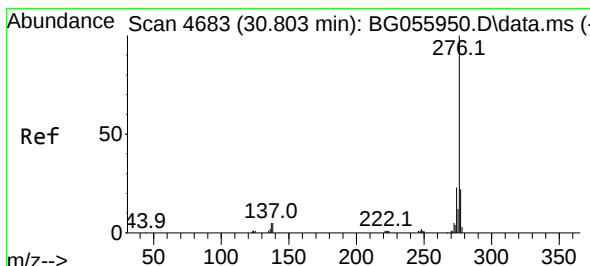
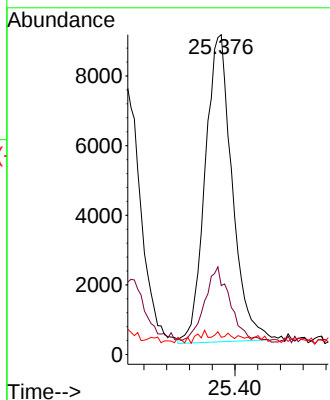
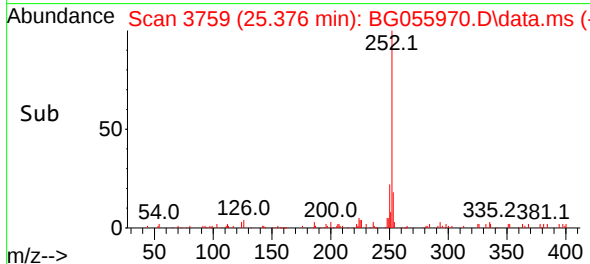
Instrument :
BNA_G
ClientSampleId :
WASTE



Tgt Ion:252 Resp: 2911
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 5.4 1.9 2.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022



#92
Benzo(g,h,i)perylene
Concen: 4.540 ng m
RT: 30.828 min Scan# 4687
Delta R.T. 0.025 min
Lab File: BG055970.D
Acq: 14 Dec 2022 22:11

Tgt Ion:276 Resp: 21639
Ion Ratio Lower Upper
276 100
277 25.3 17.8 26.6
138 7.5 3.8 5.6

