

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060502.D
 Acq On : 31 Jan 2024 3:26
 Operator : MA/JU
 Sample : P1276-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-37

Quant Time: Jan 31 04:43:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024
 Supervised By :Sohil Jodhani 01/31/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	204563	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	815794	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	591372	20.000	ng	0.00
64) Phenanthrene-d10	17.311	188	1319721	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1148267	20.000	ng	0.00
86) Perylene-d12	24.756	264	1153682	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	432568	34.781	ng	0.00
7) Phenol-d6	7.094	99	640643	34.787	ng	0.00
23) Nitrobenzene-d5	9.086	82	401265	23.226	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	317917	36.539	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	1088797	25.598	ng	0.00
79) Terphenyl-d14	19.932	244	1579413	25.385	ng	0.00
Target Compounds					Qvalue	
71) Phenanthrene	17.353	178	193947	3.040	ng	92
75) Fluoranthene	19.368	202	589222	7.690	ng	88
78) Pyrene	19.732	202	541893	7.390	ng	# 86
81) Benzo(a)anthracene	21.559	228	248697	3.499	ng	96
83) Chrysene	21.624	228	324536	4.642	ng	92
88) Benzo(b)fluoranthene	23.751	252	390871	5.735	ng	# 91
89) Benzo(k)fluoranthene	23.804	252	183982m	2.736	ng	
90) Benzo(a)pyrene	24.603	252	227929	3.702	ng	# 83
92) Benzo(g,h,i)perylene	29.497	276	139173	2.073	ng	# 85

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

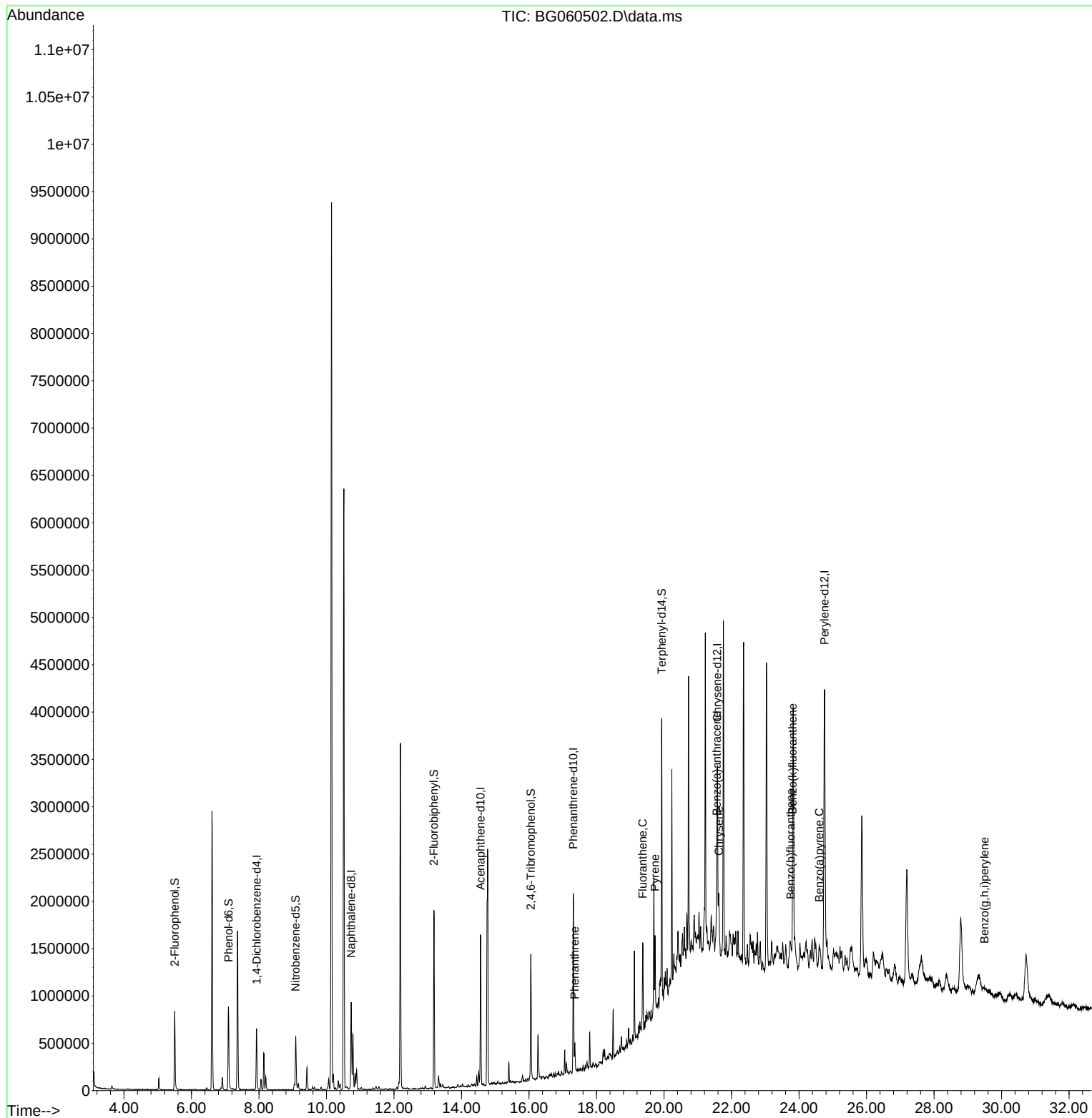
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
Data File : BG060502.D
Acq On : 31 Jan 2024 3:26
Operator : MA/JU
Sample : P1276-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

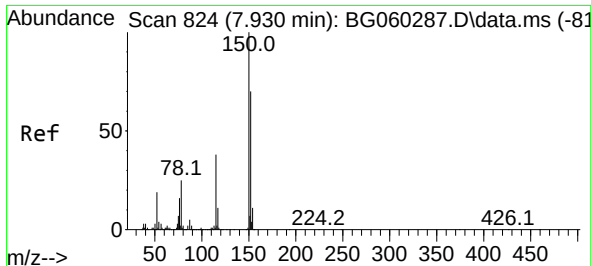
Instrument :
BNA_G
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TP-37

Quant Time: Jan 31 04:43:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
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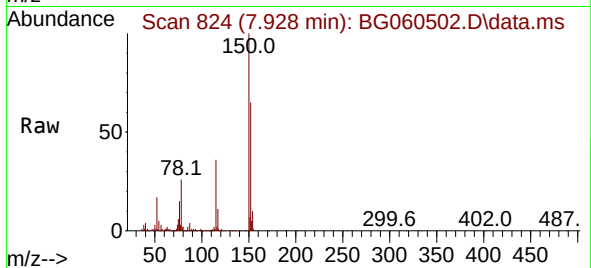
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Supervised By :Sohil Jodhani 01/31/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

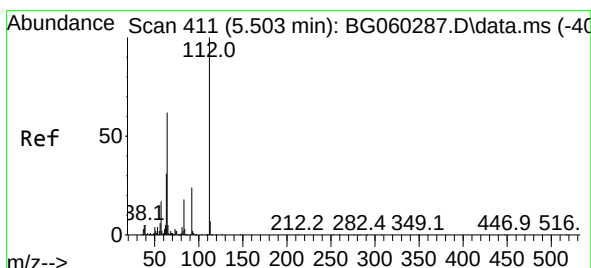
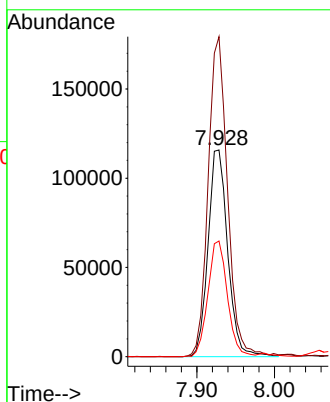
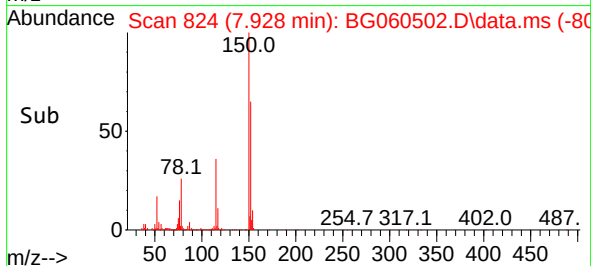
Instrument :
BNA_G
ClientSampleId :
TP-37



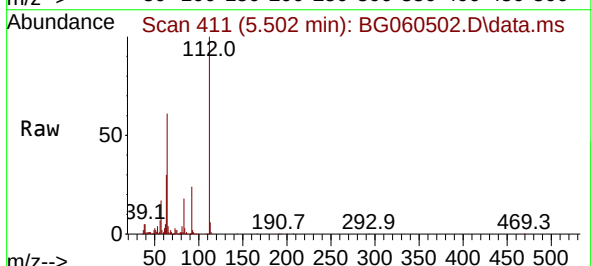
Tgt Ion:152 Resp: 20456
Ion Ratio Lower Upper
152 100
150 154.7 114.5 171.7
115 55.9 43.0 64.6

Manual Integrations
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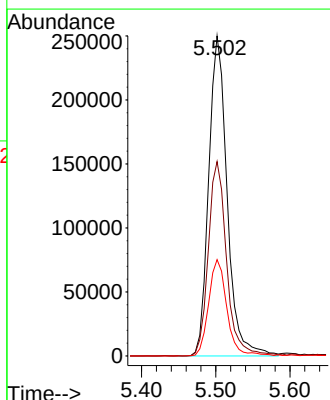
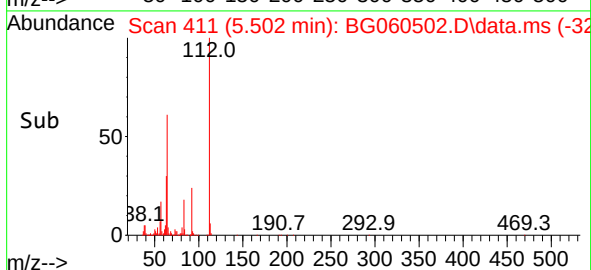
Reviewed By :Jagrut Upadhyay 01/31/2024
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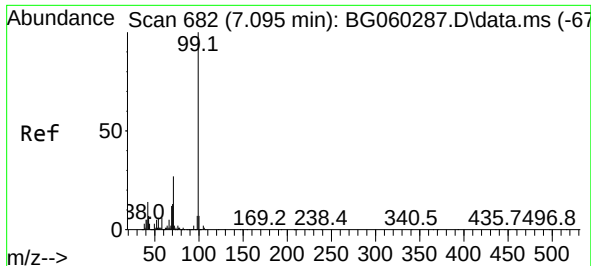


#5
2-Fluorophenol
Concen: 34.781 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26



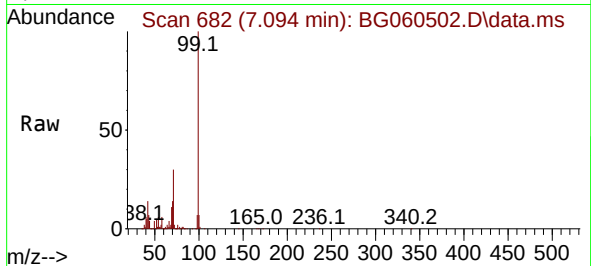
Tgt Ion:112 Resp: 432568
Ion Ratio Lower Upper
112 100
64 60.8 49.8 74.6
63 30.1 24.4 36.6





#7
Phenol-d6
Concen: 34.787 ng
RT: 7.094 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

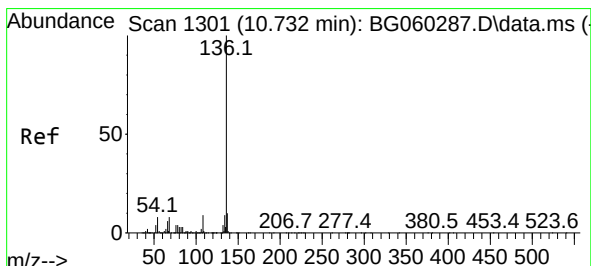
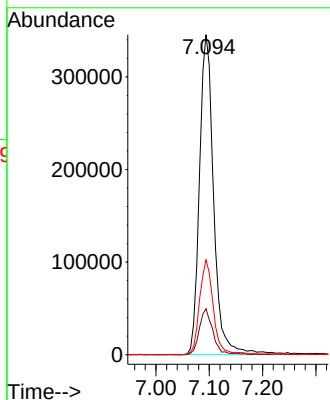
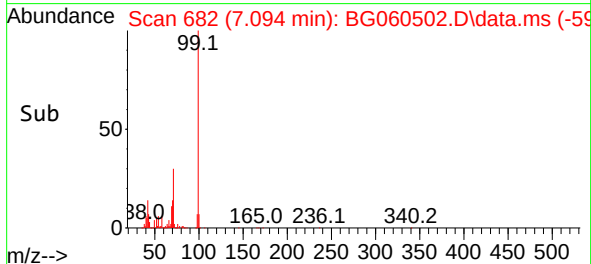
Instrument :
BNA_G
ClientSampleId :
TP-37



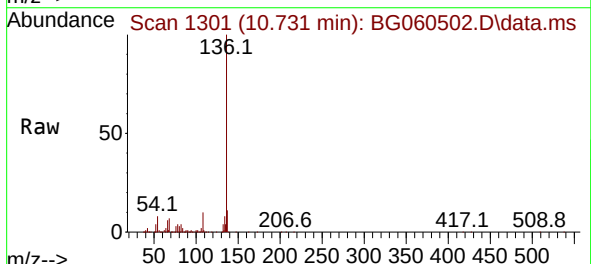
Tgt Ion: 99 Resp: 64064
Ion Ratio Lower Upper
99 100
42 14.4 10.9 16.3
71 29.7 21.5 32.3

Manual Integrations
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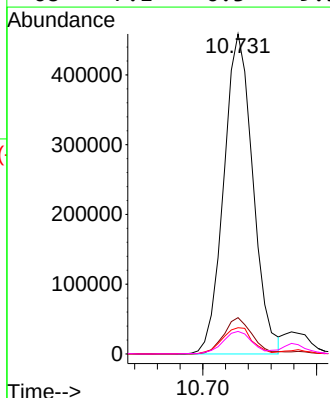
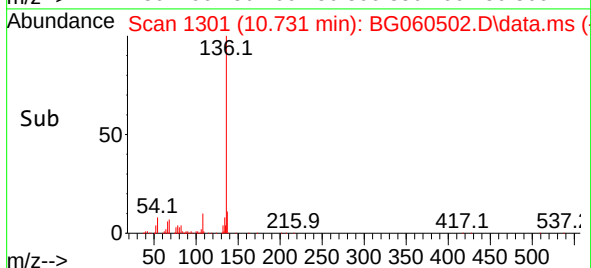
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

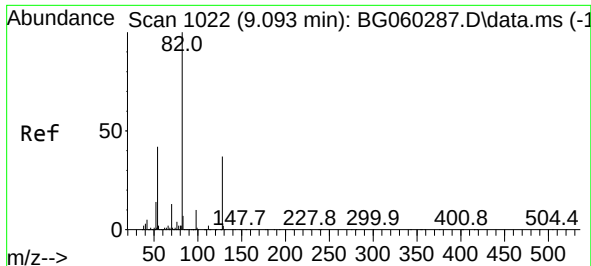


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26



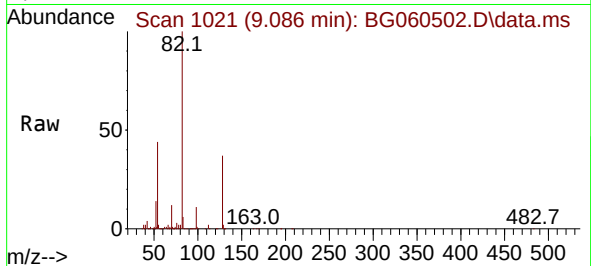
Tgt Ion:136 Resp: 815794
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.4
54 8.2 6.2 9.2
68 7.1 6.3 9.5





#23
Nitrobenzene-d5
Concen: 23.226 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.007 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

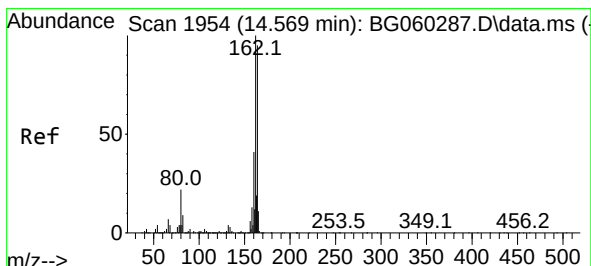
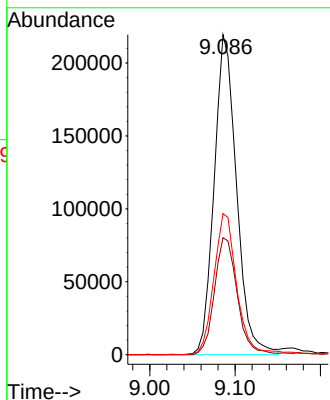
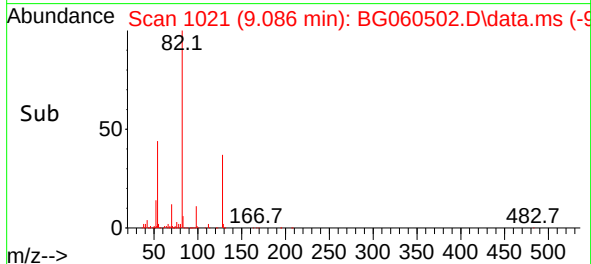
Instrument :
BNA_G
ClientSampleId :
TP-37



Tgt Ion: 82 Resp: 40126
Ion Ratio Lower Upper
82 100
128 36.6 29.6 44.4
54 44.1 33.6 50.4

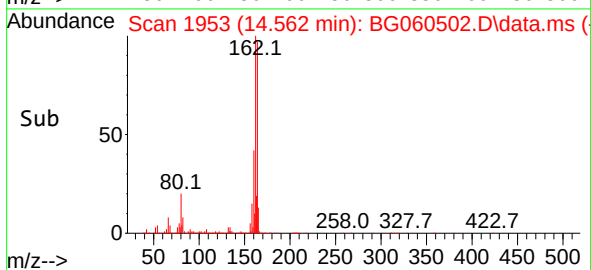
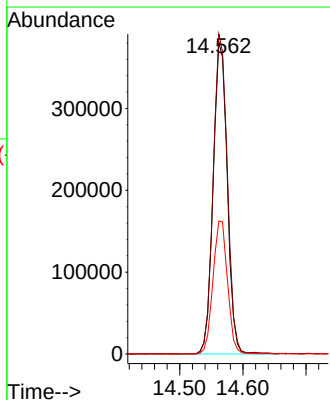
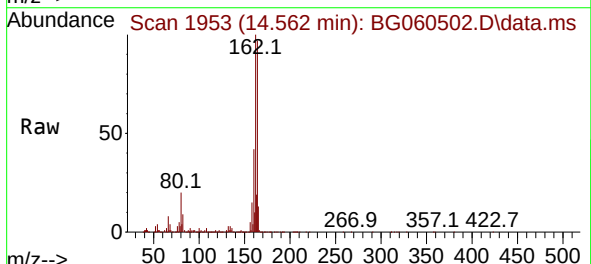
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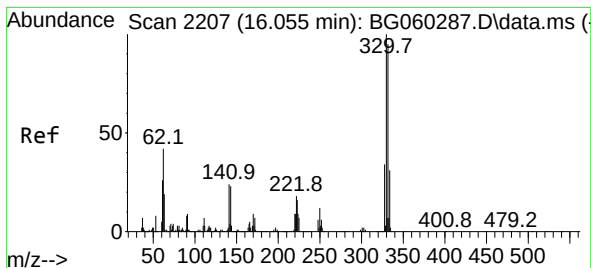
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.007 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:164 Resp: 591372
Ion Ratio Lower Upper
164 100
162 102.7 84.4 126.6
160 42.6 34.6 52.0





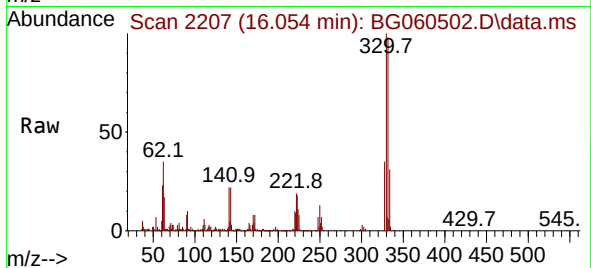
#42
2,4,6-Tribromophenol
Concen: 36.539 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Instrument :

BNA_G

ClientSampleId :

TP-37

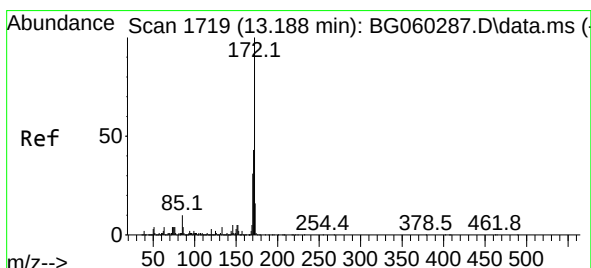
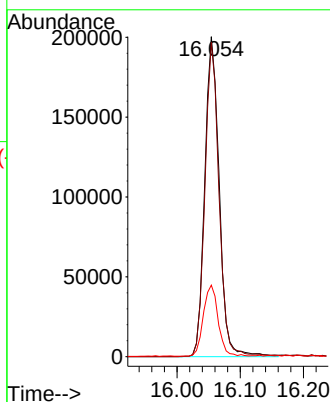
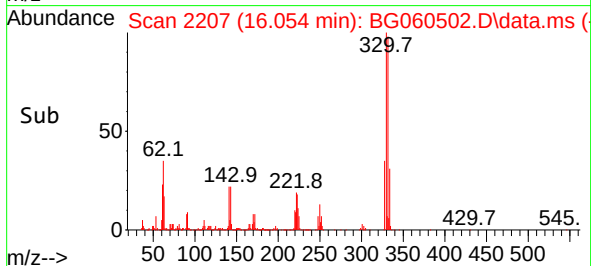


Tgt Ion:330 Resp: 31791
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 22.7 18.6 28.0

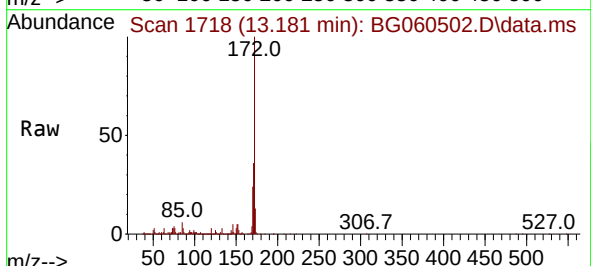
Manual Integrations

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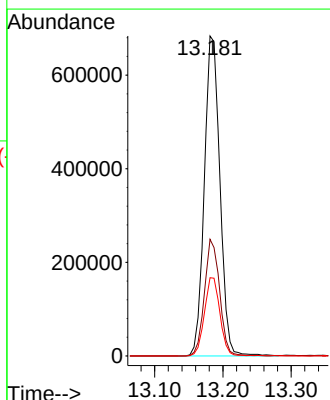
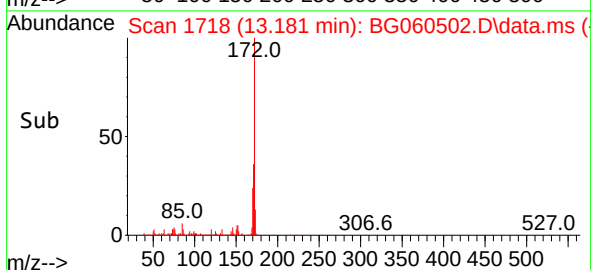
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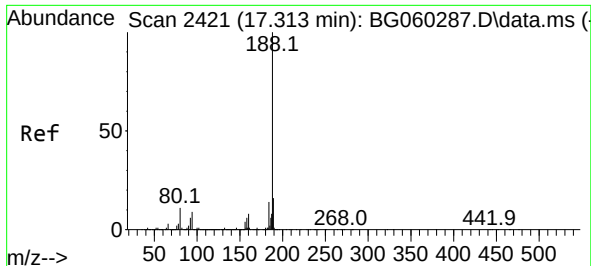


#45
2-Fluorobiphenyl
Concen: 25.598 ng
RT: 13.181 min Scan# 1718
Delta R.T. -0.007 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26



Tgt Ion:172 Resp: 1088797
Ion Ratio Lower Upper
172 100
171 36.4 34.6 51.8
170 24.5 24.4 36.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.311 min Scan# 2421
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Instrument :

BNA_G

ClientSampleId :

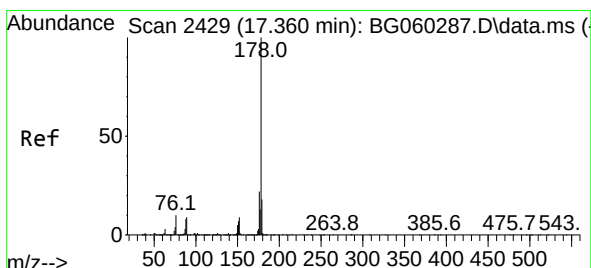
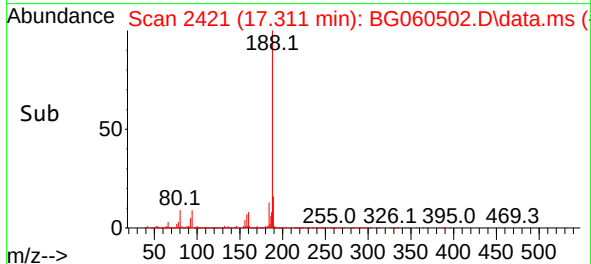
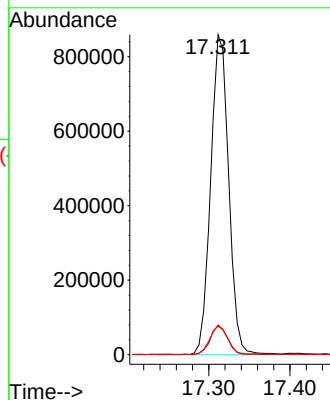
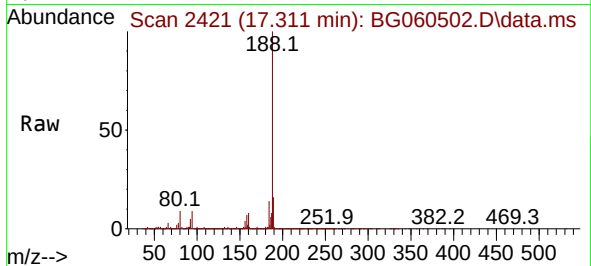
TP-37

Tgt Ion:188 Resp: 131972
Ion Ratio Lower Upper
188 100
94 9.0 7.1 10.7
80 9.3 8.5 12.7

Manual Integrations

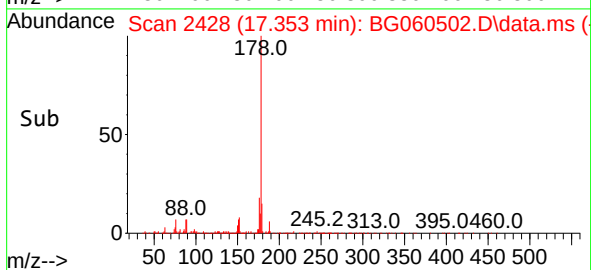
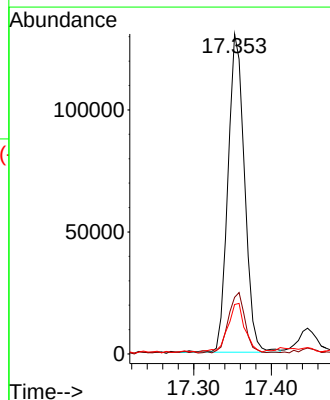
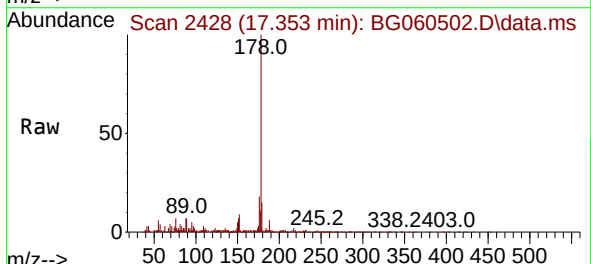
APPROVED

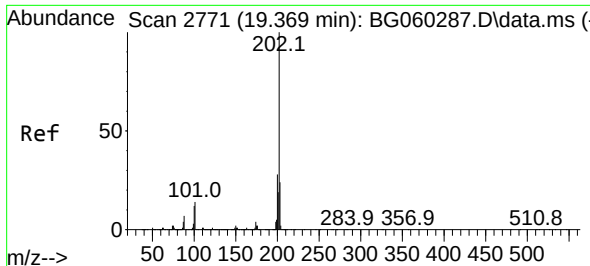
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#71
Phenanthrene
Concen: 3.040 ng
RT: 17.353 min Scan# 2428
Delta R.T. -0.007 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:178 Resp: 193947
Ion Ratio Lower Upper
178 100
176 17.7 17.4 26.2
179 15.5 14.7 22.1





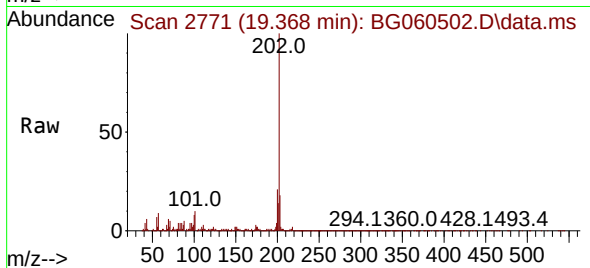
#75
Fluoranthene
Concen: 7.690 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Instrument :

BNA_G

ClientSampleId :

TP-37

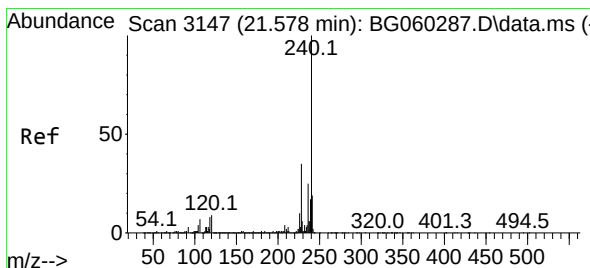
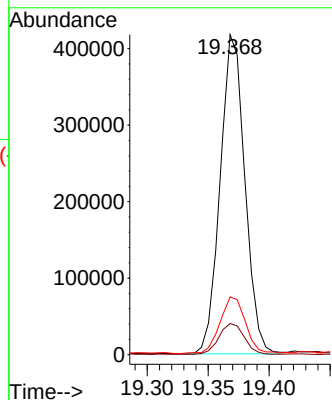
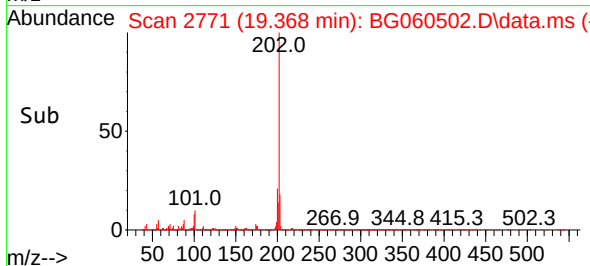


Tgt Ion:202 Resp: 58922
Ion Ratio Lower Upper
202 100
101 9.8 0.0 34.4
203 18.0 4.0 44.0

Manual Integrations

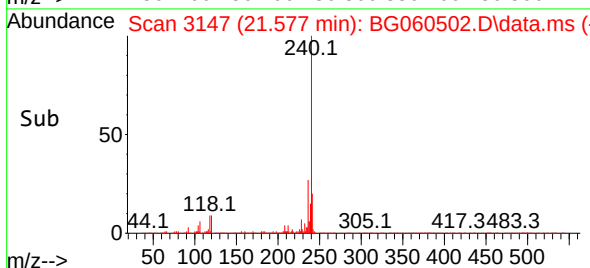
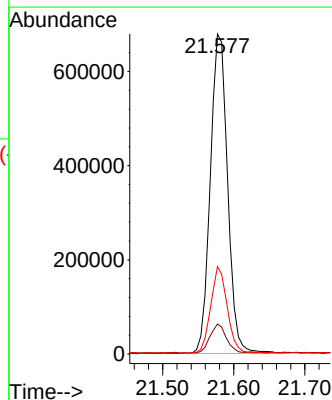
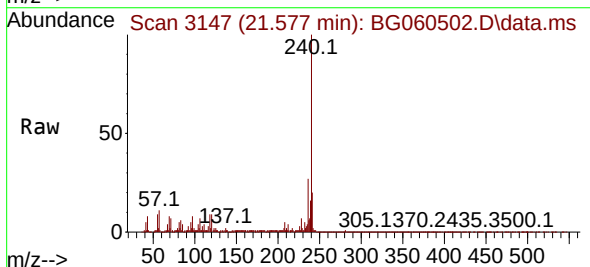
APPROVED

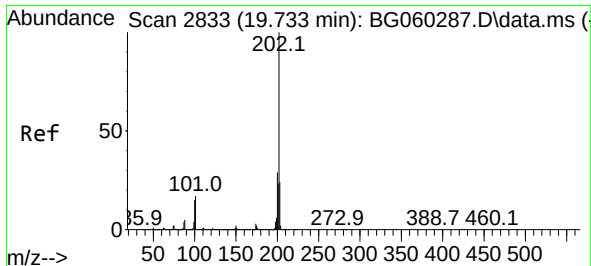
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3147
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:240 Resp: 1148267
Ion Ratio Lower Upper
240 100
120 9.4 7.3 10.9
236 27.3 20.3 30.5





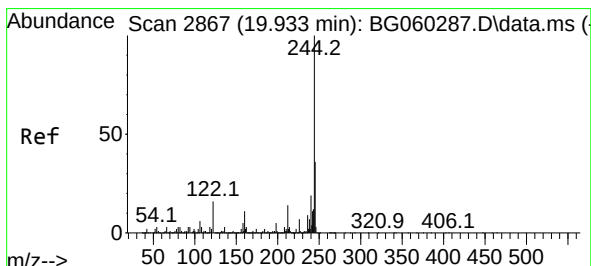
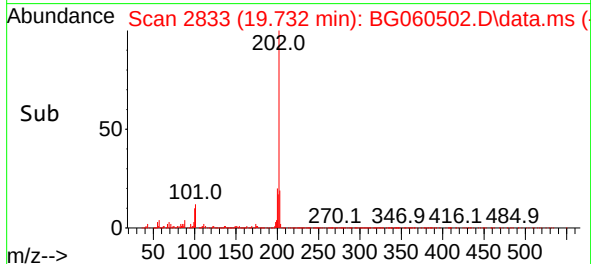
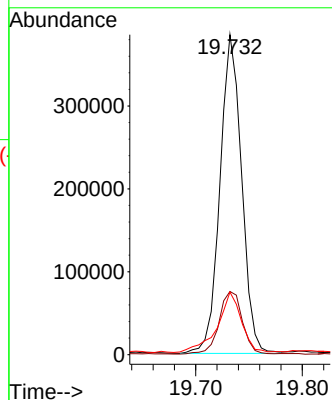
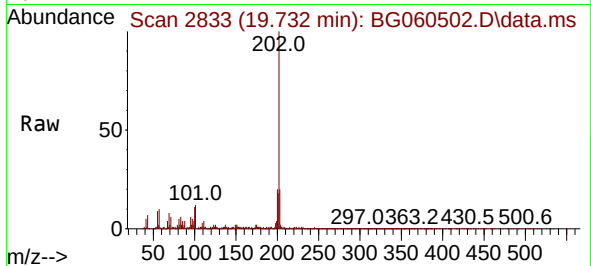
#78
Pyrene
Concen: 7.390 ng
RT: 19.732 min Scan# 2833
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Instrument :
BNA_G
ClientSampleId :
TP-37

Tgt Ion:202 Resp: 54189
Ion Ratio Lower Upper
202 100
200 19.7 23.5 35.3#
203 19.6 19.6 29.4#

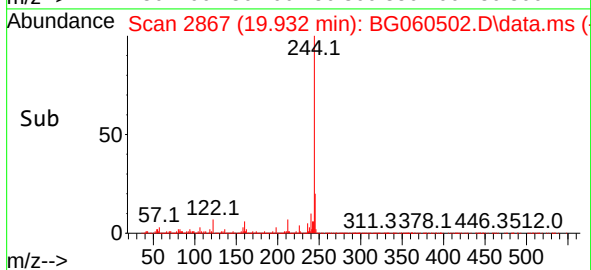
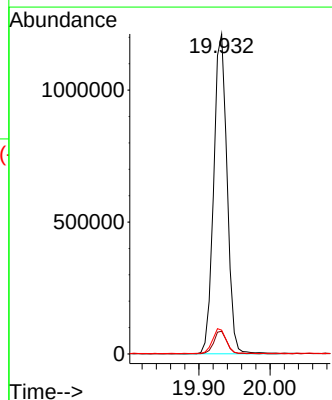
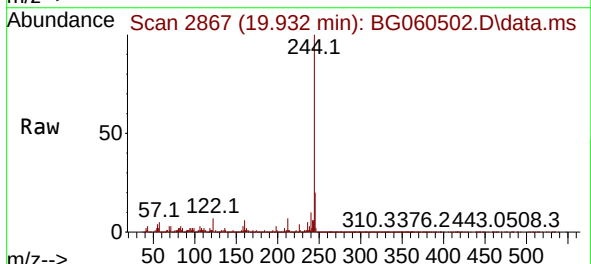
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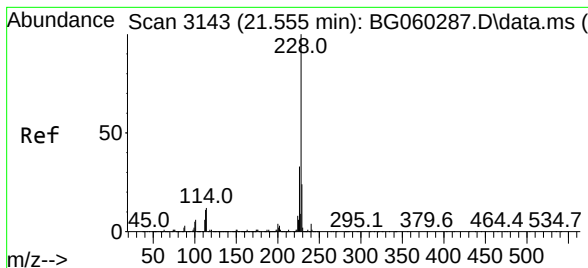
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#79
Terphenyl-d14
Concen: 25.385 ng
RT: 19.932 min Scan# 2867
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Tgt Ion:244 Resp: 1579413
Ion Ratio Lower Upper
244 100
212 7.1 10.9 16.3#
122 7.4 12.6 18.8#





#81

Benzo(a)anthracene

Concen: 3.499 ng

RT: 21.559 min Scan# 3143

Delta R.T. 0.005 min

Lab File: BG060502.D

Acq: 31 Jan 2024 3:26

Instrument :

BNA_G

ClientSampleId :

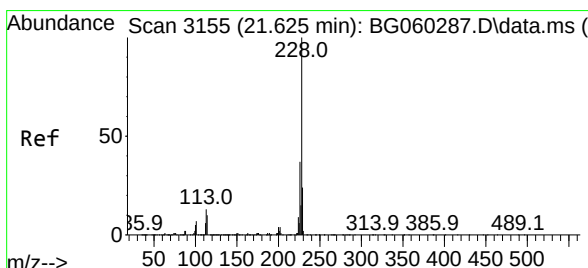
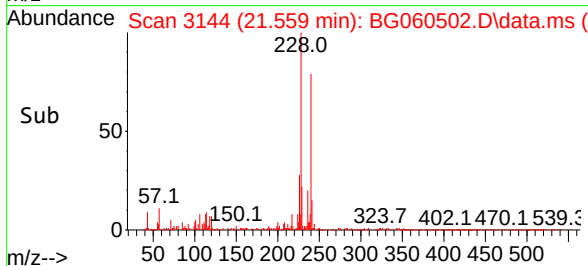
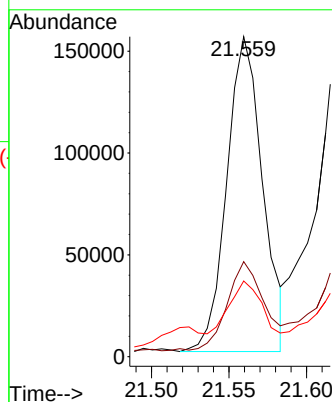
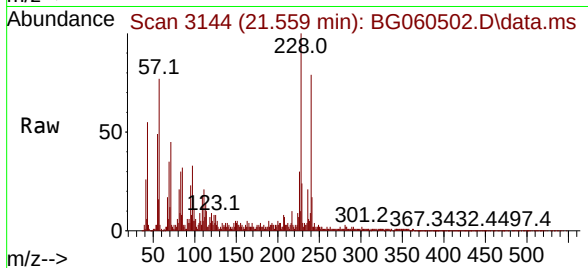
TP-37

Tgt Ion:228	Resp: 24869
Ion Ratio	Lower Upper
228 100	
226 29.7	26.2 39.2
229 23.6	19.4 29.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#83

Chrysene

Concen: 4.642 ng

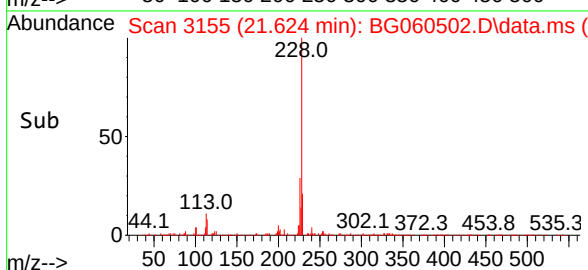
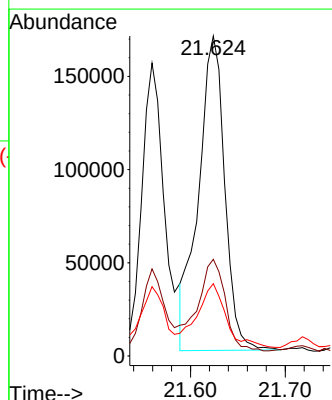
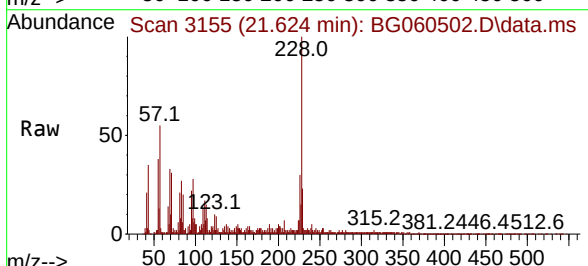
RT: 21.624 min Scan# 3155

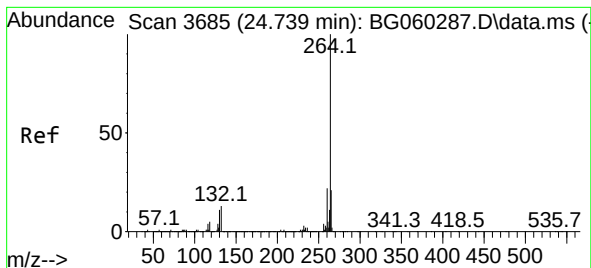
Delta R.T. -0.001 min

Lab File: BG060502.D

Acq: 31 Jan 2024 3:26

Tgt Ion:228	Resp: 324536
Ion Ratio	Lower Upper
228 100	
226 30.2	29.4 44.2
229 22.6	19.2 28.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.756 min Scan# 30

Delta R.T. 0.016 min

Lab File: BG060502.D

Acq: 31 Jan 2024 3:26

Instrument :

BNA_G

ClientSampleId :

TP-37

Tgt Ion:264 Resp: 115368

Ion Ratio Lower Upper

264 100

260 23.8 17.8 26.6

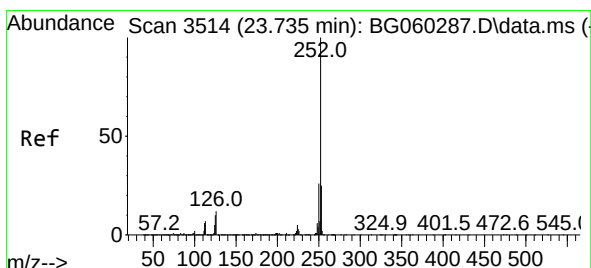
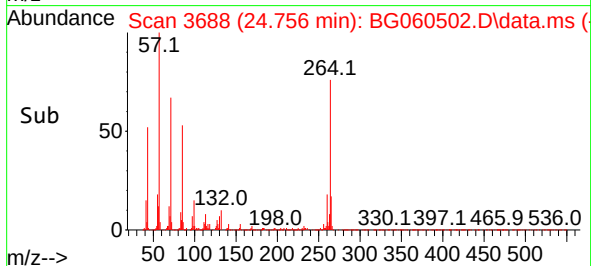
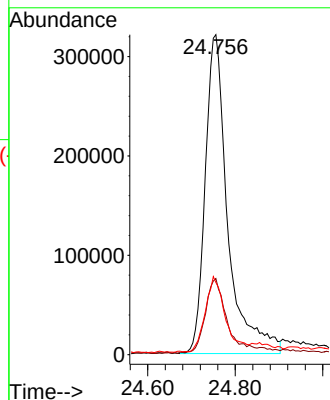
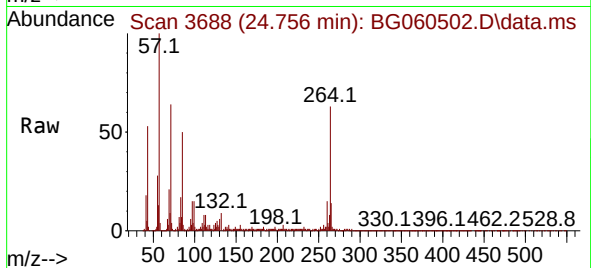
265 22.6 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2024

Supervised By :Sohil Jodhani 01/31/2024



#88

Benzo(b)fluoranthene

Concen: 5.735 ng

RT: 23.751 min Scan# 3517

Delta R.T. 0.016 min

Lab File: BG060502.D

Acq: 31 Jan 2024 3:26

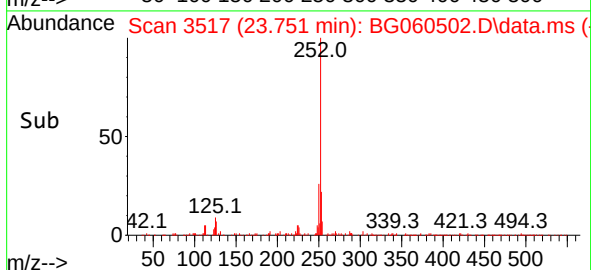
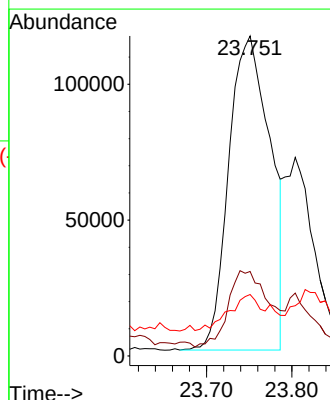
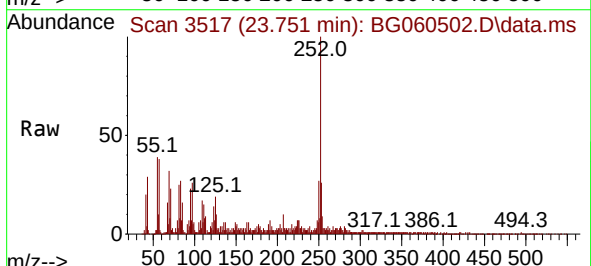
Tgt Ion:252 Resp: 390871

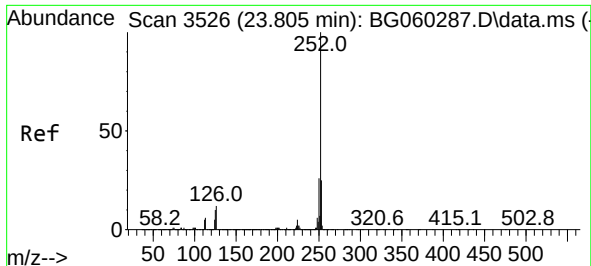
Ion Ratio Lower Upper

252 100

253 26.4 20.0 30.0

125 19.2 8.1 12.1#





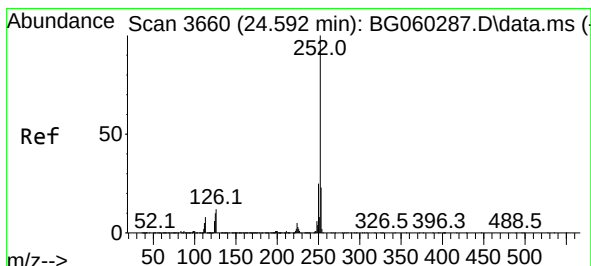
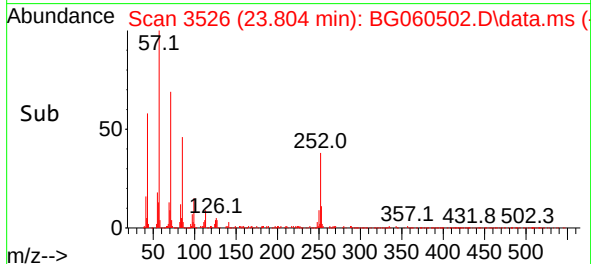
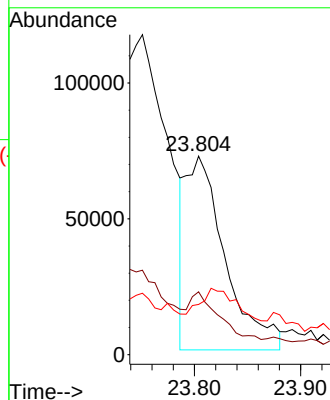
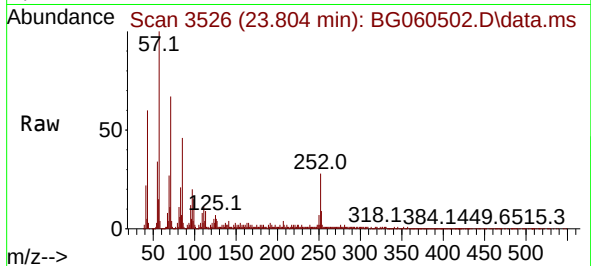
#89
Benzo(k)fluoranthene
Concen: 2.736 ng m
RT: 23.804 min Scan# 3526
Delta R.T. -0.001 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Instrument :
BNA_G
ClientSampleId :
TP-37

Tgt Ion:252 Resp: 183982
Ion Ratio Lower Upper
252 100
253 31.7 19.6 29.4
125 25.3 8.2 12.2

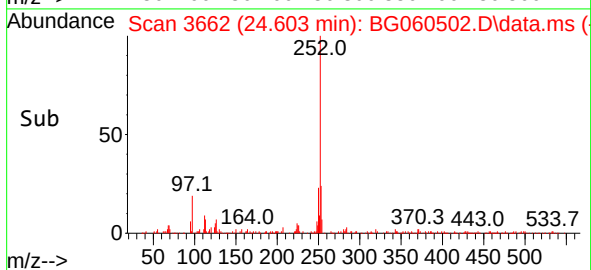
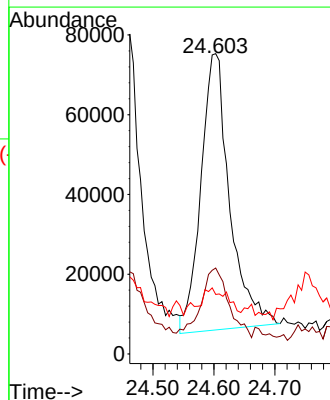
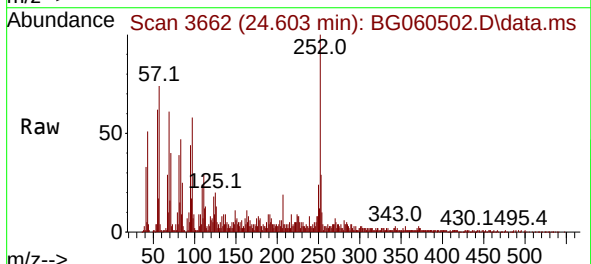
Manual Integrations
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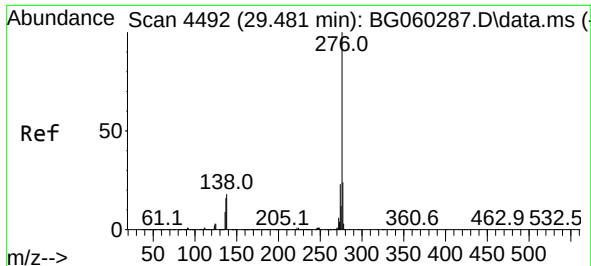
Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024



#90
Benzo(a)pyrene
Concen: 3.702 ng
RT: 24.603 min Scan# 3662
Delta R.T. 0.011 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

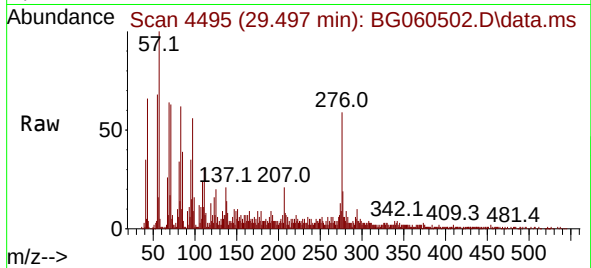
Tgt Ion:252 Resp: 227929
Ion Ratio Lower Upper
252 100
253 28.6 18.1 27.1#
125 19.9 8.1 12.1#





#92
Benzo(g,h,i)perylene
Concen: 2.073 ng
RT: 29.497 min Scan# 4495
Delta R.T. 0.016 min
Lab File: BG060502.D
Acq: 31 Jan 2024 3:26

Instrument :
BNA_G
ClientSampleId :
TP-37



Tgt Ion: 276 Resp: 13917
Ion Ratio Lower Upper
276 100
277 31.8 19.4 29.0
138 24.1 14.2 21.4

Manual Integrations
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Reviewed By :Jagrut Upadhyay 01/31/2024
Supervised By :Sohil Jodhani 01/31/2024

