

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
 Data File : BG061196.D
 Acq On : 14 May 2024 19:19
 Operator : MA/JU
 Sample : P2467-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-051324

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024
 Supervised By :mohammad ahmed 05/17/2024

Quant Time: May 15 01:19:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	30368	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	102075	20.000	ng	#-0.03
39) Acenaphthene-d10	14.556	164	73919	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	157865	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	159868	20.000	ng	-0.03
86) Perylene-d12	24.697	264	193742	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	76503	51.234	ng	-0.02
7) Phenol-d6	7.112	99	100542	45.516	ng	-0.02
23) Nitrobenzene-d5	9.080	82	70528	34.252	ng	-0.04
42) 2,4,6-Tribromophenol	16.055	330	59981	40.596	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	141101	28.227	ng	-0.03
79) Terphenyl-d14	19.927	244	246724	25.667	ng	-0.03
Target Compounds						Qvalue
75) Fluoranthene	19.363	202	42997	4.348	ng	97
78) Pyrene	19.721	202	44900m	4.418	ng	
81) Benzo(a)anthracene	21.548	228	38385	3.669	ng	# 95
83) Chrysene	21.607	228	36961m	3.771	ng	
88) Benzo(b)fluoranthene	23.710	252	54952	5.076	ng	# 90
89) Benzo(k)fluoranthene	23.757	252	21088m	2.025	ng	
90) Benzo(a)pyrene	24.545	252	38042	4.033	ng	# 90

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

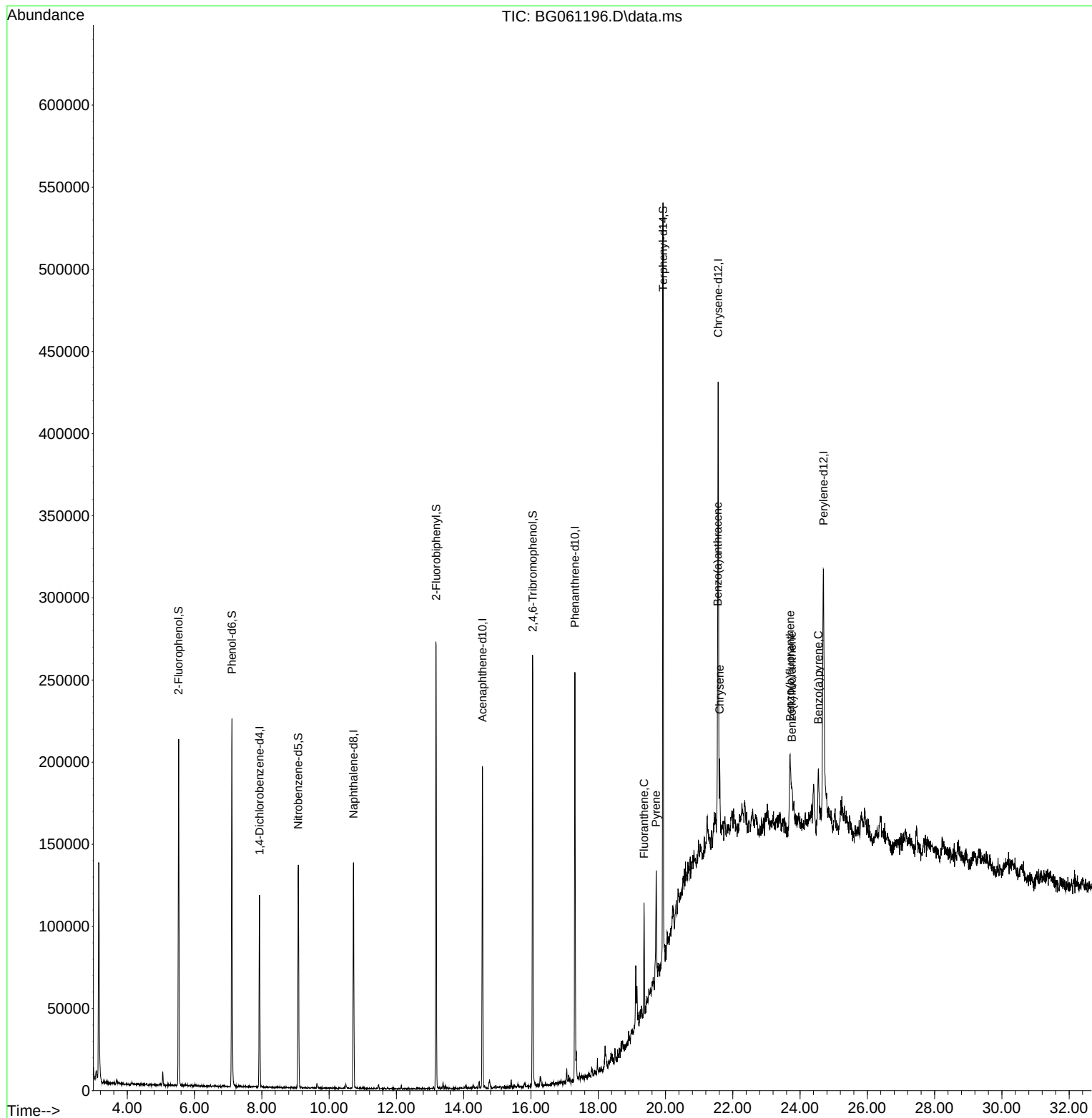
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061196.D
Acq On : 14 May 2024 19:19
Operator : MA/JU
Sample : P2467-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

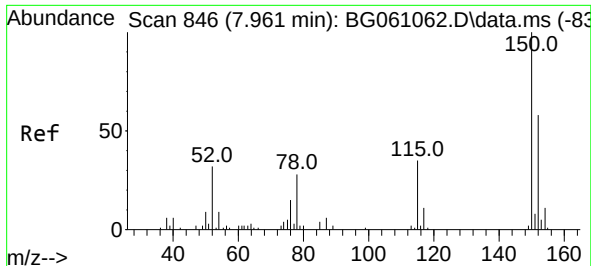
Instrument :
BNA_G
ClientSampleId :
HD-02-051324

Quant Time: May 15 01:19:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

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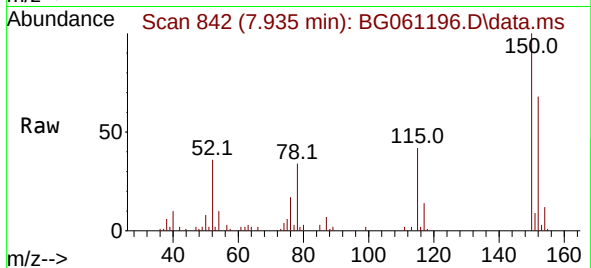
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Instrument :

BNA_G

ClientSampleId :

HD-02-051324

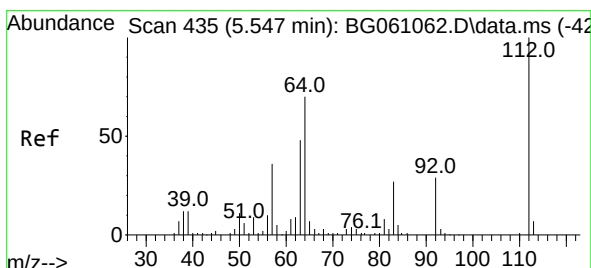
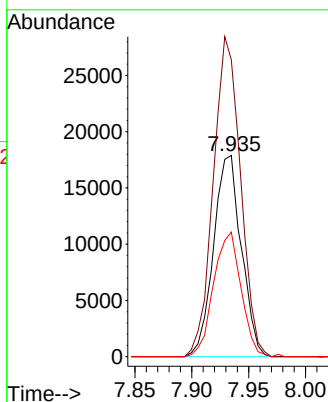
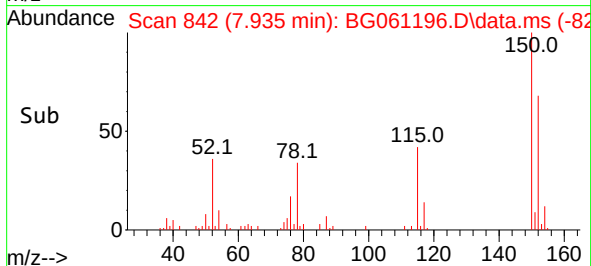


Tgt Ion:152 Resp: 3036
Ion Ratio Lower Upper
152 100
150 147.5 138.3 207.5
115 62.0 48.0 72.0

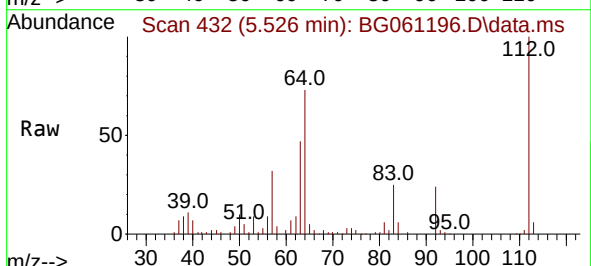
Manual Integrations

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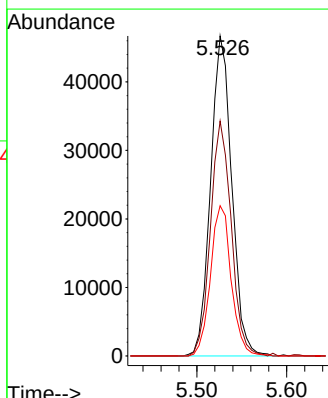
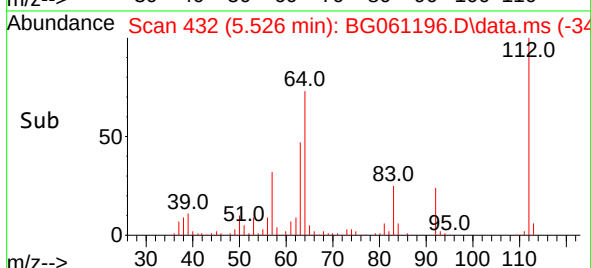
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024

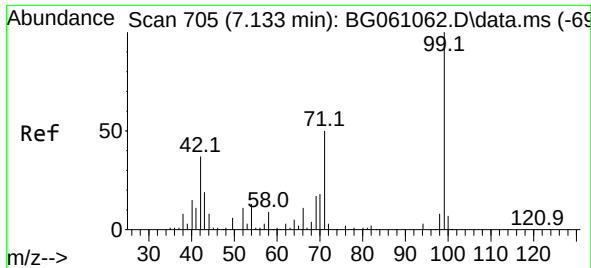


#5
2-Fluorophenol
Concen: 51.234 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19



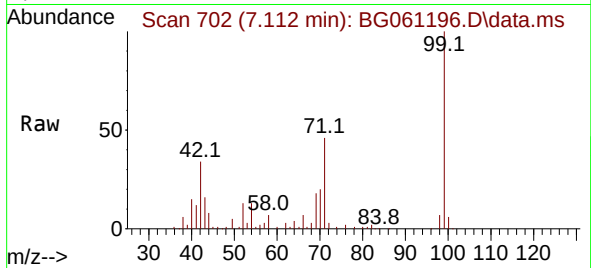
Tgt Ion:112 Resp: 76503
Ion Ratio Lower Upper
112 100
64 73.4 55.7 83.5
63 47.0 38.1 57.1





#7
Phenol-d6
Concen: 45.516 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

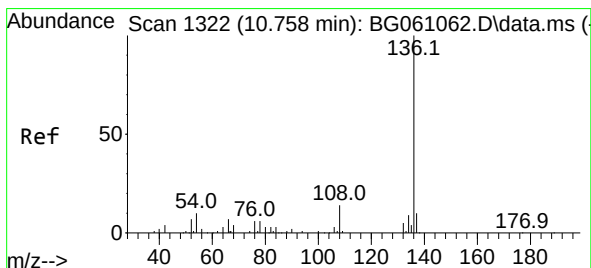
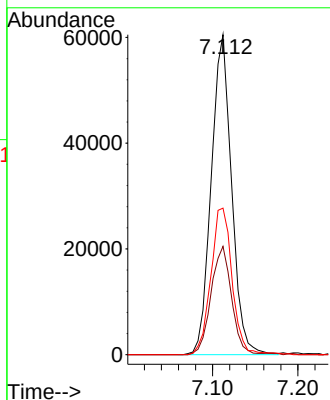
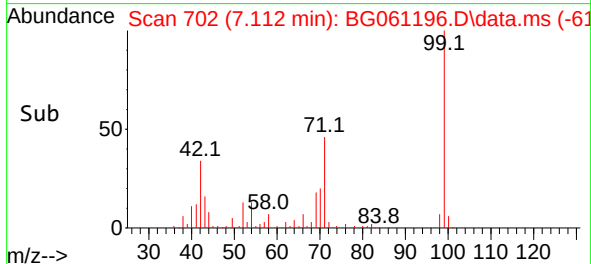
Instrument :
BNA_G
ClientSampleId :
HD-02-051324



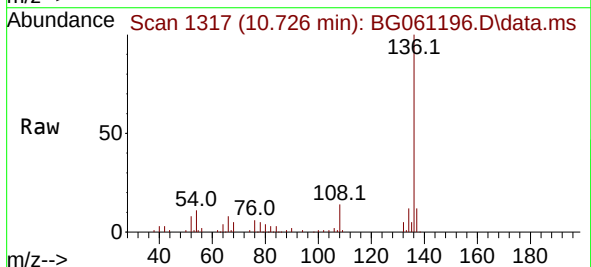
Tgt Ion: 99 Resp: 100542
Ion Ratio Lower Upper
99 100
42 33.8 29.2 43.8
71 45.8 39.7 59.5

Manual Integrations
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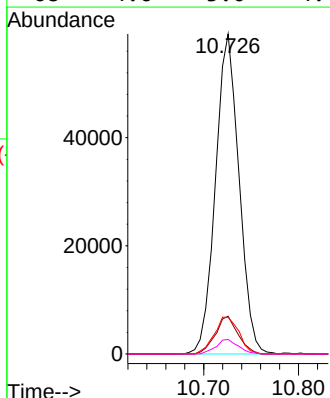
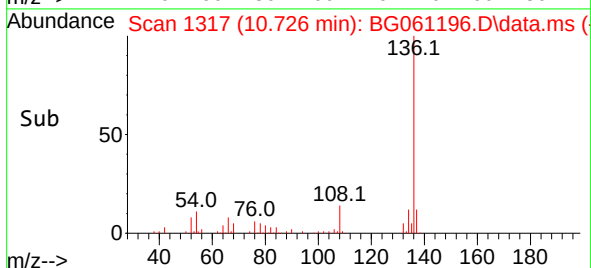
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024

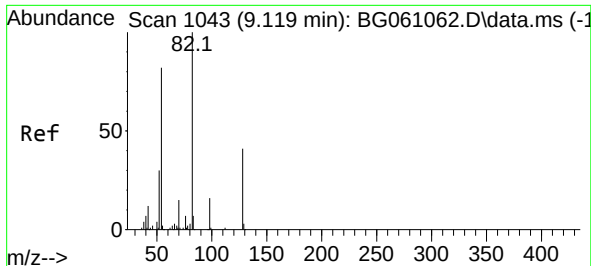


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19



Tgt Ion:136 Resp: 102075
Ion Ratio Lower Upper
136 100
137 11.8 7.8 11.6#
54 12.2 8.1 12.1#
68 4.6 3.0 4.4#





#23
Nitrobenzene-d5
Concen: 34.252 ng
RT: 9.080 min Scan# 1043
Delta R.T. -0.038 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Instrument :

BNA_G

ClientSampleId :

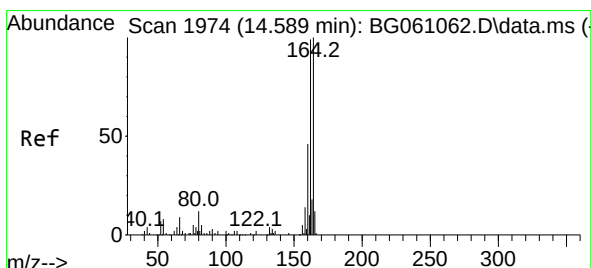
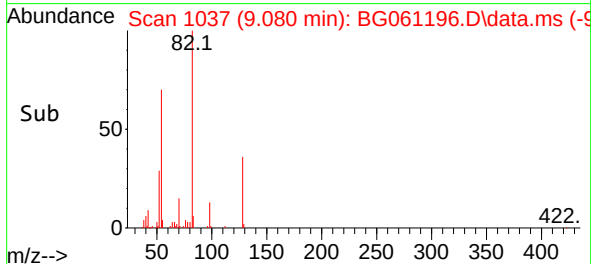
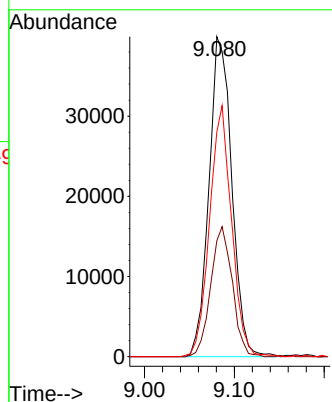
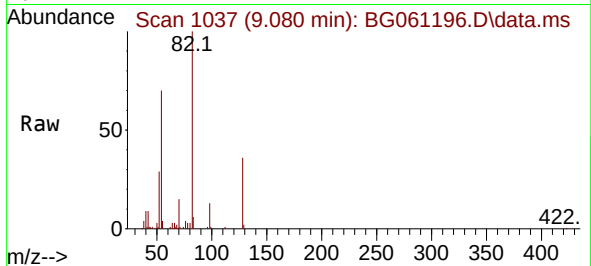
HD-02-051324

Tgt Ion: 82 Resp: 70528
Ion Ratio Lower Upper
82 100
128 36.2 32.7 49.1
54 70.3 65.6 98.4

Manual Integrations

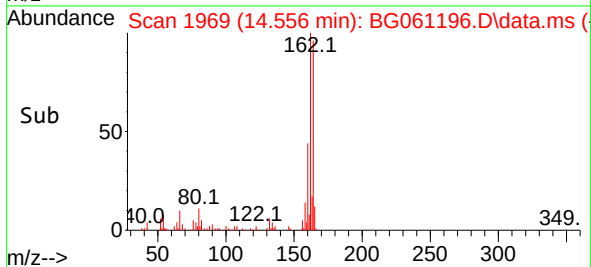
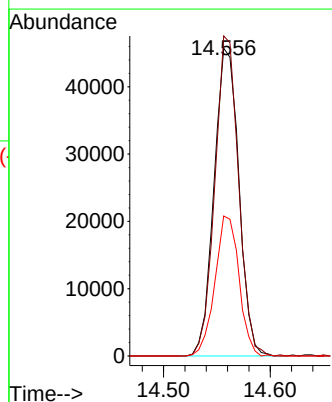
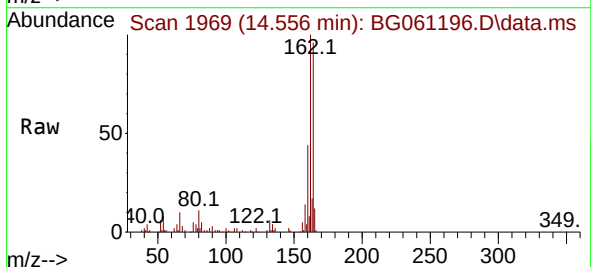
APPROVED

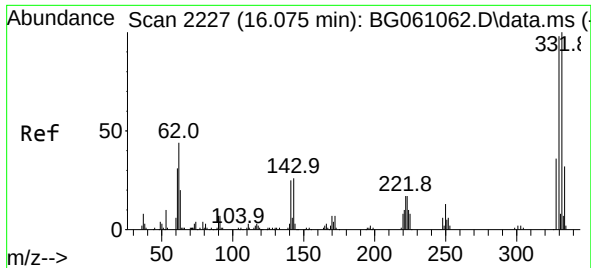
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.556 min Scan# 1969
Delta R.T. -0.032 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion:164 Resp: 73919
Ion Ratio Lower Upper
164 100
162 104.0 79.4 119.2
160 45.5 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 40.596 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Instrument :

BNA_G

ClientSampleId :

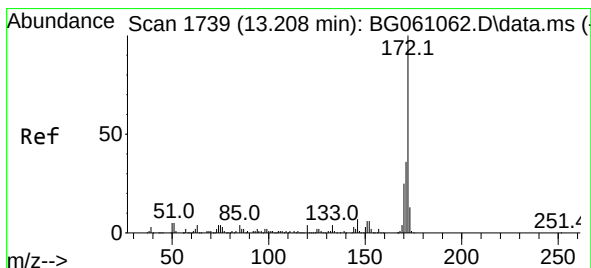
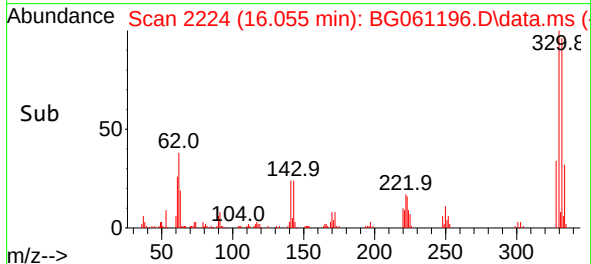
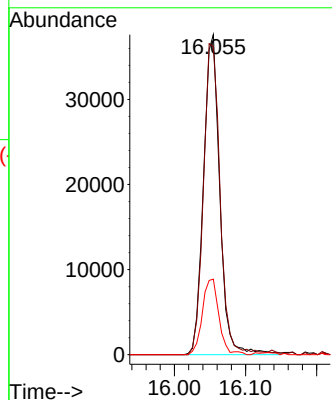
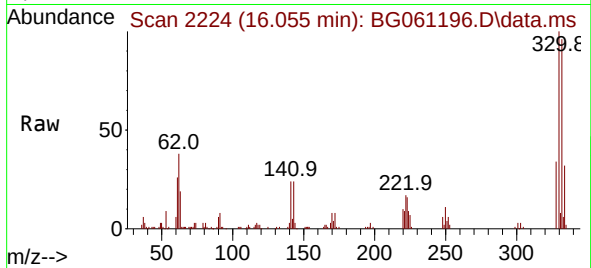
HD-02-051324

Tgt Ion:330 Resp: 5998
Ion Ratio Lower Upper
330 100
332 99.3 78.6 117.8
141 24.0 20.5 30.7

Manual Integrations

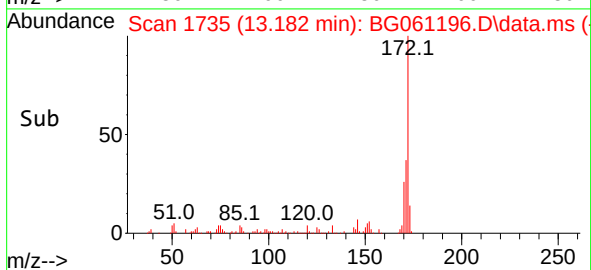
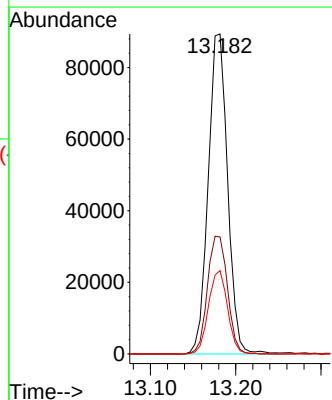
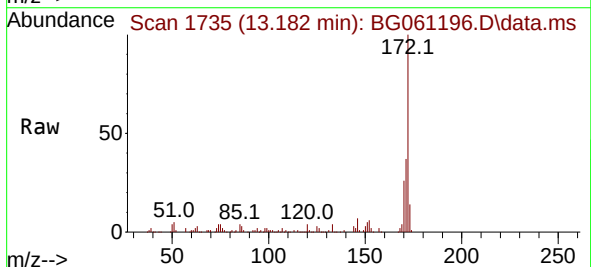
APPROVED

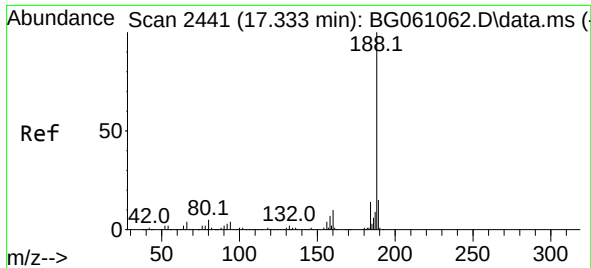
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#45
2-Fluorobiphenyl
Concen: 28.227 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.027 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion:172 Resp: 141101
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 26.1 20.2 30.4





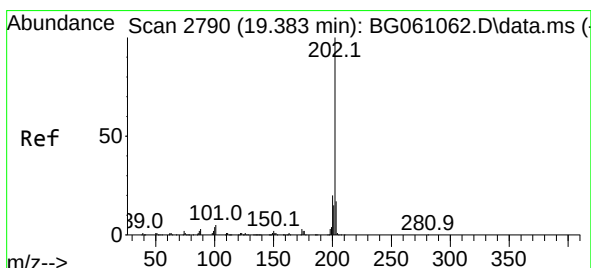
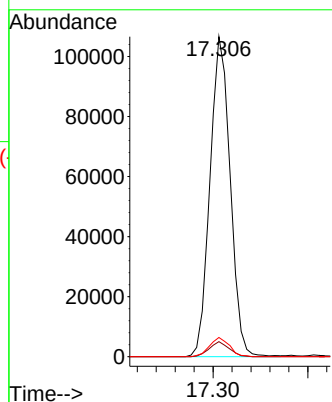
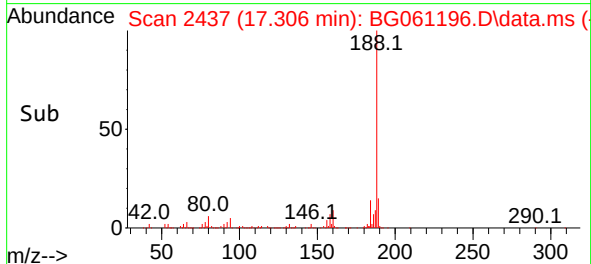
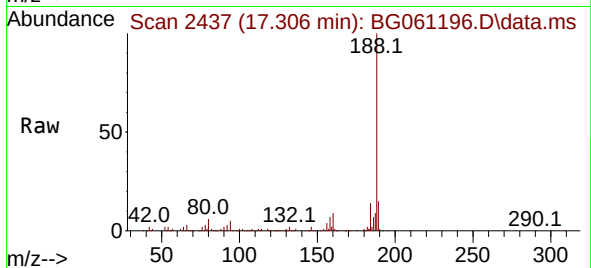
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2441
Delta R.T. -0.027 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Instrument :
BNA_G
ClientSampleId :
HD-02-051324

Tgt Ion:188 Resp: 15786
Ion Ratio Lower Upper
188 100
94 4.7 3.6 5.4
80 6.0 4.2 6.2

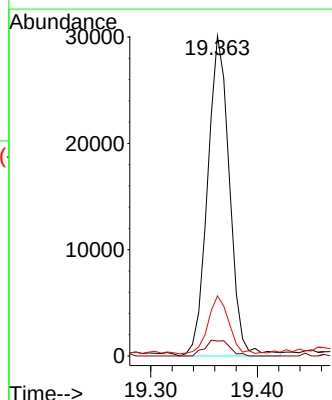
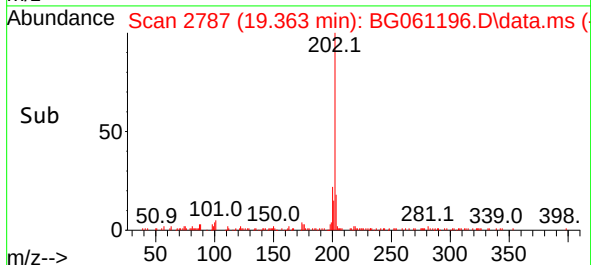
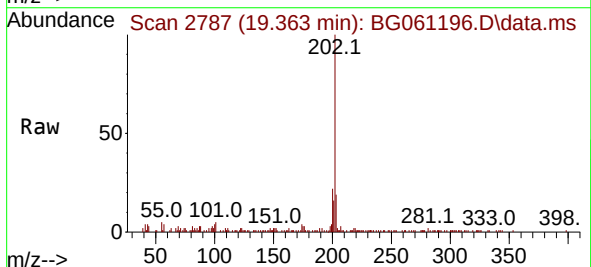
Manual Integrations
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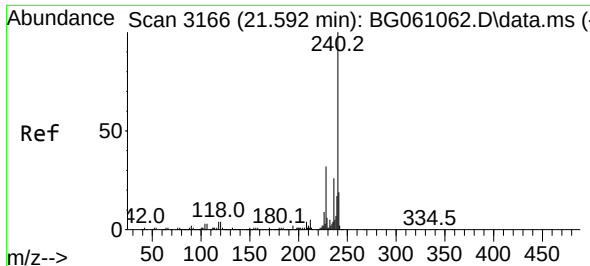
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#75
Fluoranthene
Concen: 4.348 ng
RT: 19.363 min Scan# 2787
Delta R.T. -0.021 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

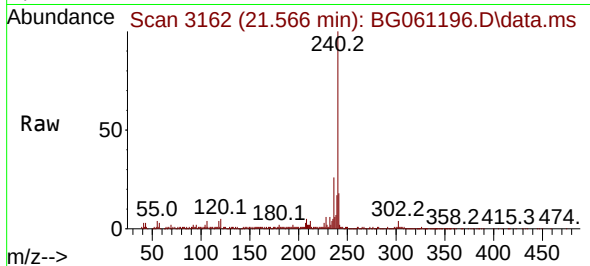
Tgt Ion:202 Resp: 42997
Ion Ratio Lower Upper
202 100
101 4.7 0.0 24.7
203 18.8 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3166
Delta R.T. -0.027 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

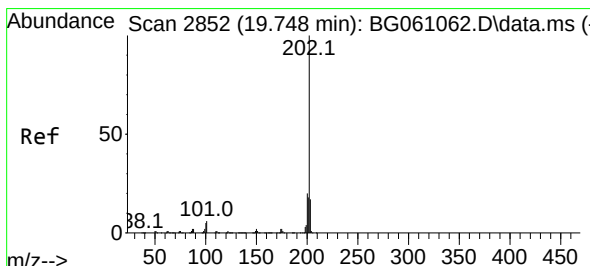
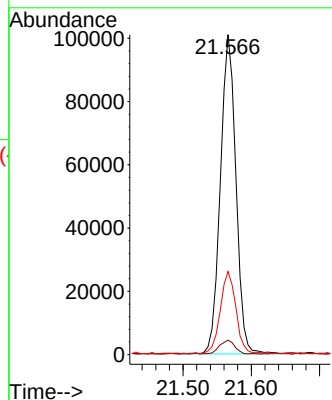
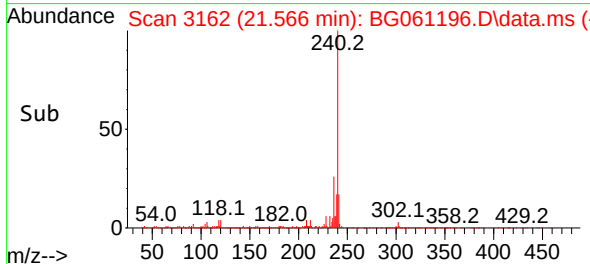
Instrument :
BNA_G
ClientSampleId :
HD-02-051324



Tgt Ion:240 Resp: 159868
Ion Ratio Lower Upper
240 100
120 4.5 3.2 4.8
236 26.0 21.0 31.6

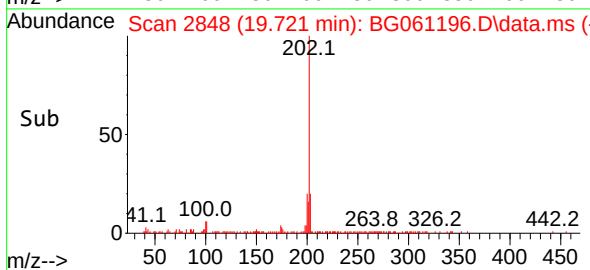
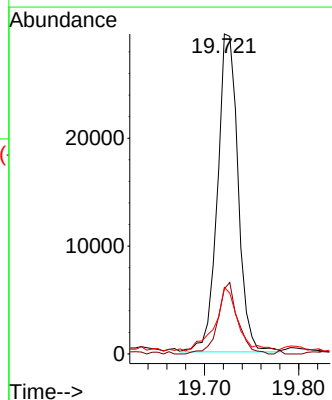
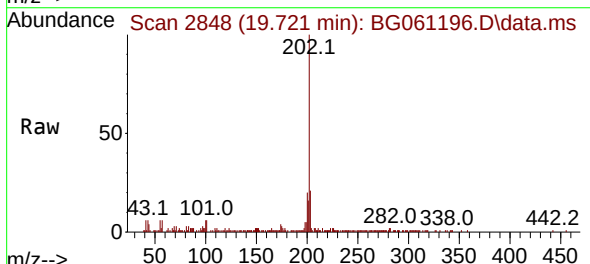
Manual Integrations
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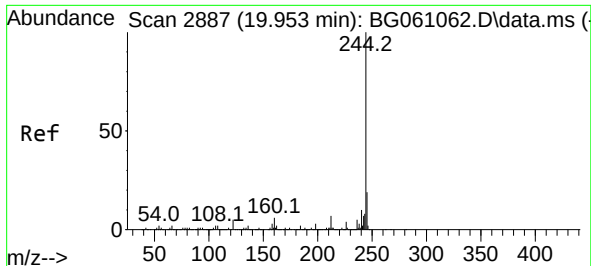
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#78
Pyrene
Concen: 4.418 ng m
RT: 19.721 min Scan# 2848
Delta R.T. -0.027 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Tgt Ion:202 Resp: 44900
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.4
203 20.8 13.3 19.9#





#79
 Terphenyl-d14
 Concen: 25.667 ng
 RT: 19.927 min Scan# 21
 Delta R.T. -0.027 min
 Lab File: BG061196.D
 Acq: 14 May 2024 19:19

Instrument :

BNA_G

ClientSampleId :

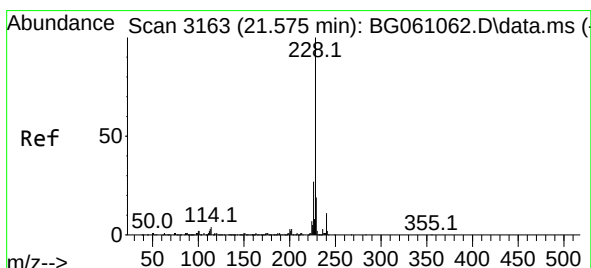
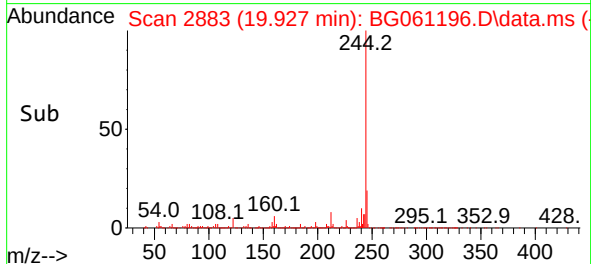
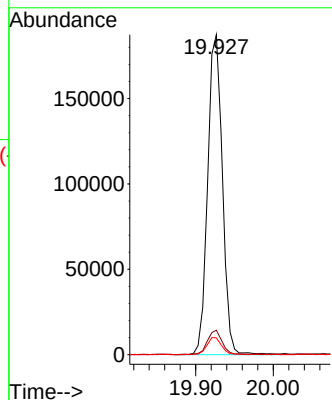
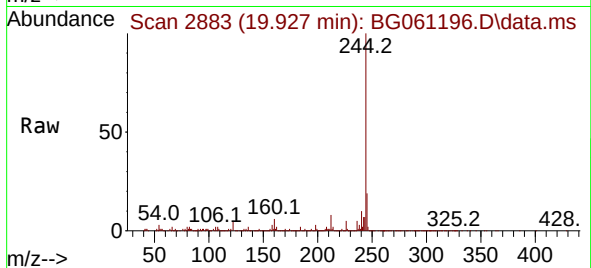
HD-02-051324

Tgt Ion:244 Resp: 246724
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 5.3 4.2 6.2

Manual Integrations

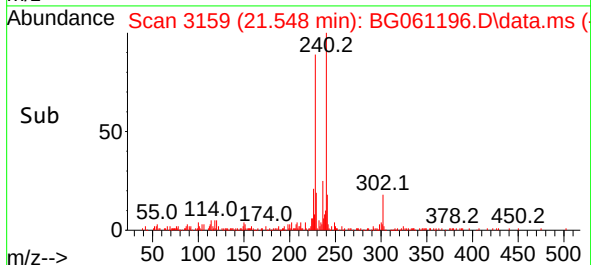
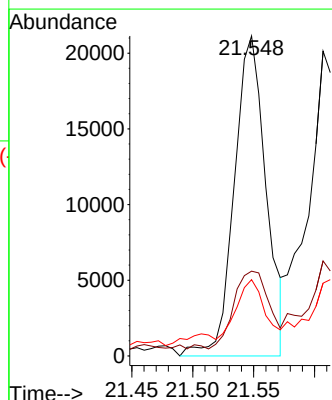
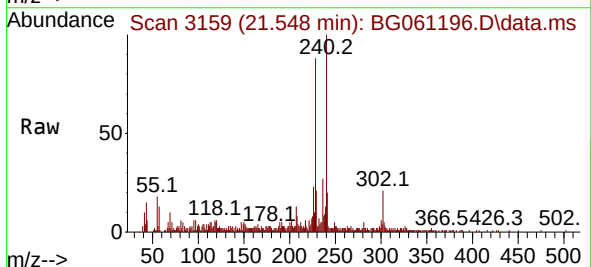
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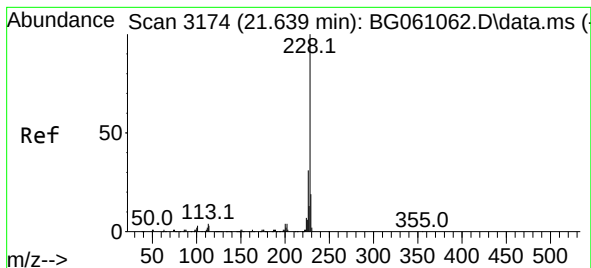
Reviewed By :Jagrut Upadhyay 05/15/2024
 Supervised By :mohammad ahmed 05/17/2024



#81
 Benzo(a)anthracene
 Concen: 3.669 ng
 RT: 21.548 min Scan# 3159
 Delta R.T. -0.027 min
 Lab File: BG061196.D
 Acq: 14 May 2024 19:19

Tgt Ion:228 Resp: 38385
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.6 32.4
 229 23.9 15.0 22.4#





#83

Chrysene

Concen: 3.771 ng m

RT: 21.607 min Scan# 31

Delta R.T. -0.032 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

Instrument :

BNA_G

ClientSampleId :

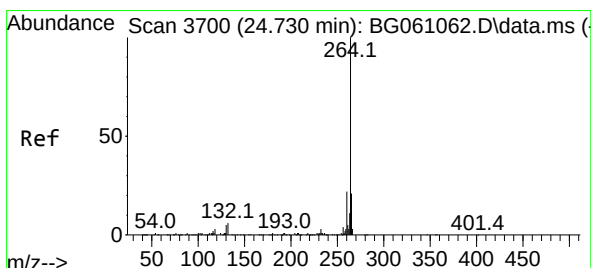
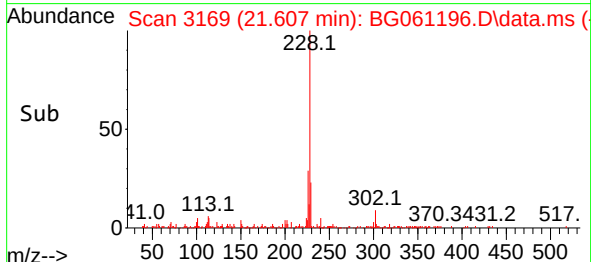
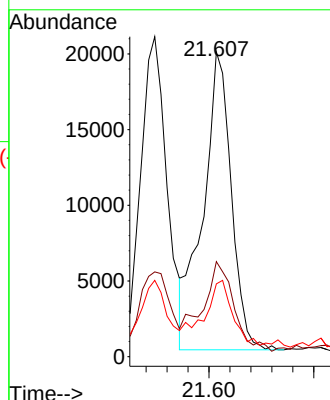
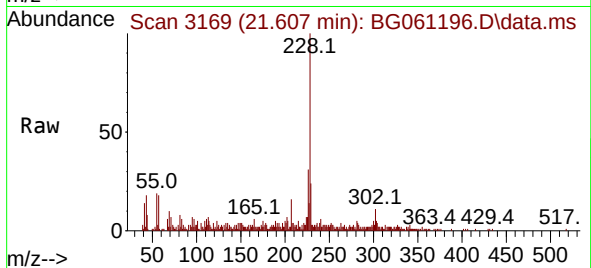
HD-02-051324

Tgt Ion:	228	Resp:	3696
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.4	36.6
229	23.9	14.8	22.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#86

Perylene-d12

Concen: 20.000 ng

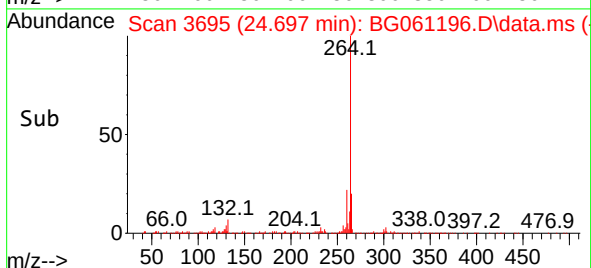
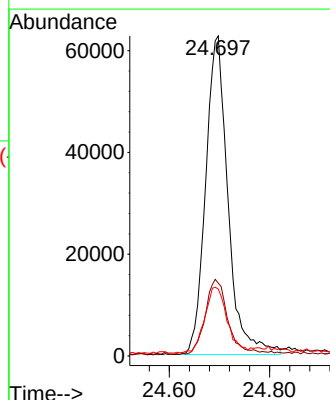
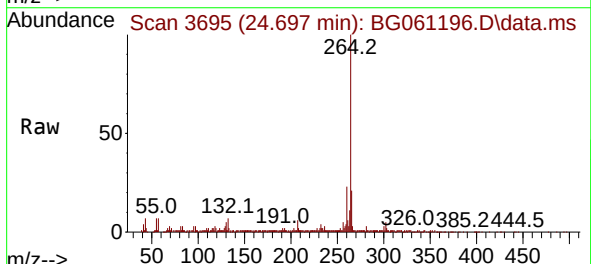
RT: 24.697 min Scan# 3695

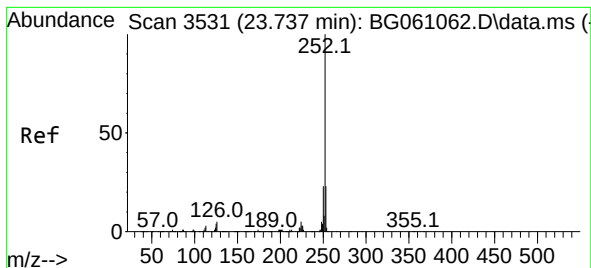
Delta R.T. -0.032 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

Tgt Ion:	264	Resp:	193742
Ion Ratio	Lower	Upper	
264	100		
260	22.8	17.7	26.5
265	20.9	16.4	24.6





#88

Benzo(b)fluoranthene

Concen: 5.076 ng

RT: 23.710 min Scan# 3

Delta R.T. -0.027 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

Instrument :

BNA_G

ClientSampleId :

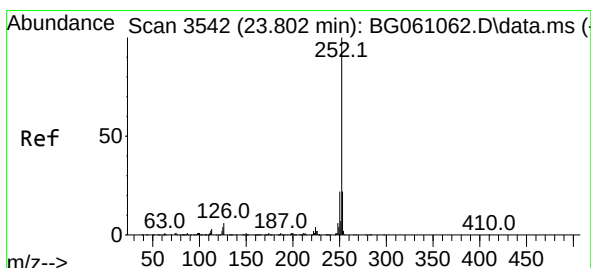
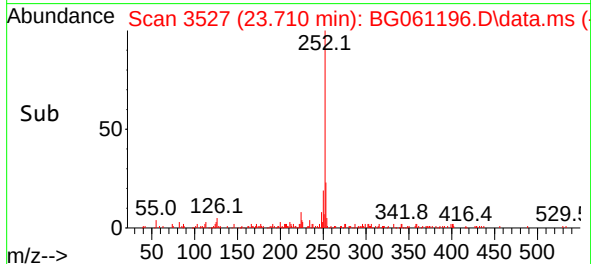
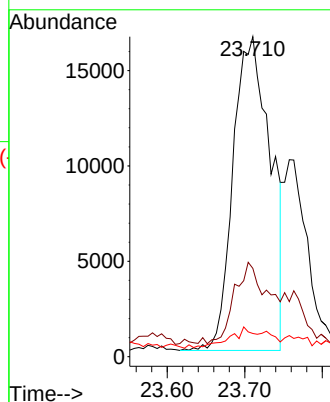
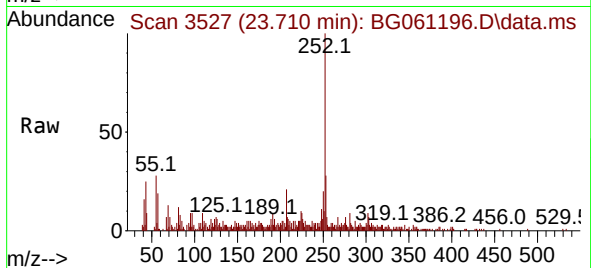
HD-02-051324

Tgt Ion:	252	Resp:	5495
Ion Ratio	Lower	Upper	
252	100		
253	27.6	18.2	27.2
125	7.2	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#89

Benzo(k)fluoranthene

Concen: 2.025 ng m

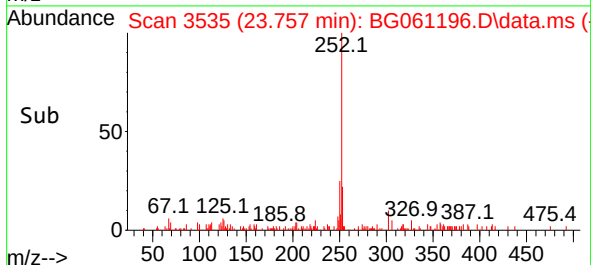
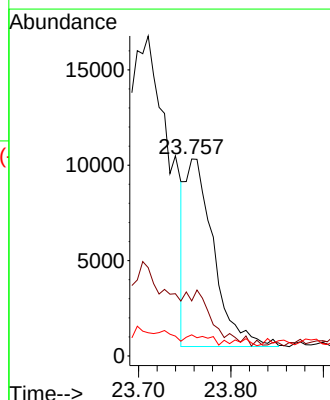
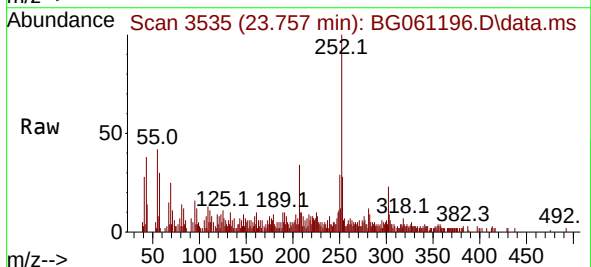
RT: 23.757 min Scan# 3535

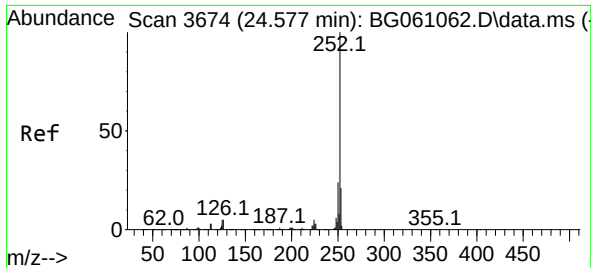
Delta R.T. -0.044 min

Lab File: BG061196.D

Acq: 14 May 2024 19:19

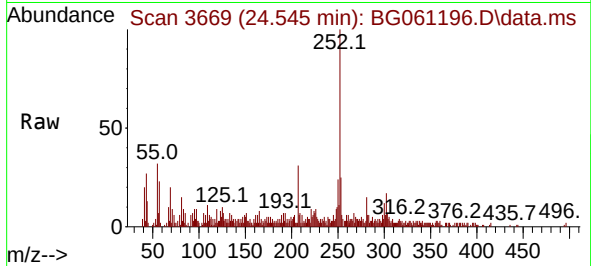
Tgt Ion:	252	Resp:	21088
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.3	25.9
125	10.7	3.2	4.8





#90
Benzo(a)pyrene
Concen: 4.033 ng
RT: 24.545 min Scan# 30
Delta R.T. -0.032 min
Lab File: BG061196.D
Acq: 14 May 2024 19:19

Instrument :
BNA_G
ClientSampleId :
HD-02-051324



Tgt Ion:252 Resp: 3804
Ion Ratio Lower Upper
252 100
253 25.3 16.9 25.3
125 10.0 3.8 5.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024

