

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050324\
 Data File : BG061113.D
 Acq On : 3 May 2024 19:35
 Operator : MA/JU
 Sample : P2355-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VB16173

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/04/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 03 23:01:49 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	30630	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	118844	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	88160	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	188950	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	190329	20.000	ng	-0.02
86) Perylene-d12	24.697	264	180407m	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	151628	100.676	ng	-0.02
7) Phenol-d6	7.112	99	211695	95.016	ng	-0.02
23) Nitrobenzene-d5	9.092	82	150770	62.889	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	168019	95.348	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	371160	62.255	ng	-0.02
79) Terphenyl-d14	19.932	244	589094	51.476	ng	-0.02
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.699	107	46953	20.156	ng	94
71) Phenanthrene	17.353	178	28859	3.340	ng	97
75) Fluoranthene	19.368	202	65628	5.545	ng	99
78) Pyrene	19.727	202	60199	4.975	ng	97
81) Benzo(a)anthracene	21.554	228	31392	2.521	ng	94
83) Chrysene	21.613	228	34899m	2.991	ng	
84) Bis(2-ethylhexyl)phtha...	21.472	149	39533	7.904	ng	# 98
88) Benzo(b)fluoranthene	23.716	252	37403	3.710	ng	# 92
90) Benzo(a)pyrene	24.545	252	22005m	2.505	ng	

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

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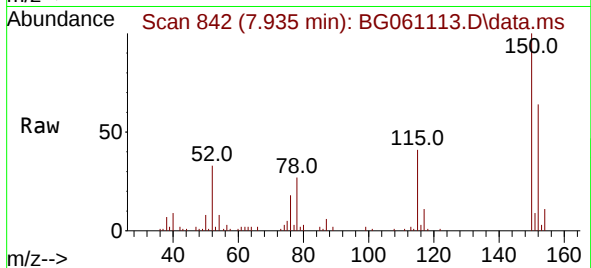
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Instrument :

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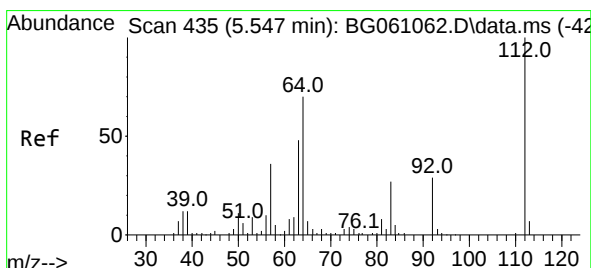
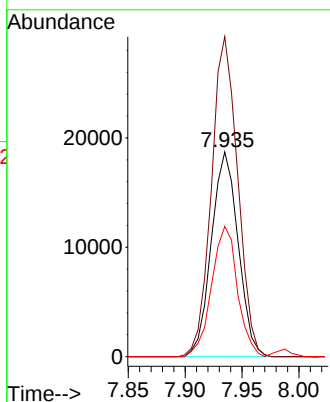
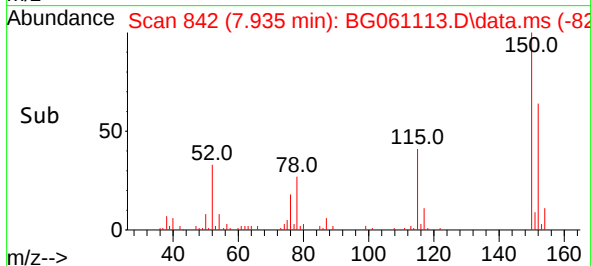
Tgt Ion:152 Resp: 30630
Ion Ratio Lower Upper
152 100
150 156.3 138.3 207.5
115 63.6 48.0 72.0

Manual Integrations

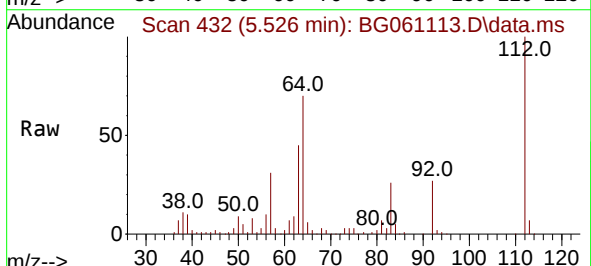
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Reviewed By :Yogesh Patel 05/04/2024

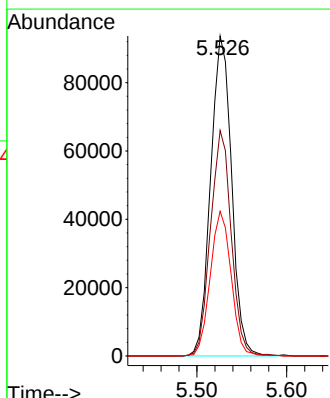
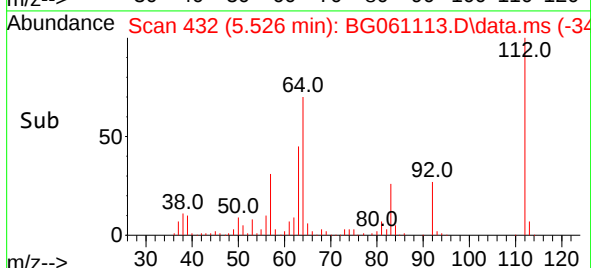
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 100.676 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35



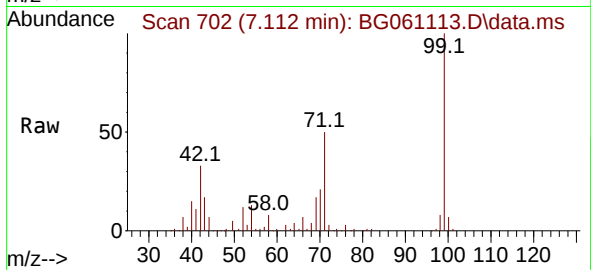
Tgt Ion:112 Resp: 151628
Ion Ratio Lower Upper
112 100
64 70.5 55.7 83.5
63 45.2 38.1 57.1





#7
Phenol-d6
Concen: 95.016 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

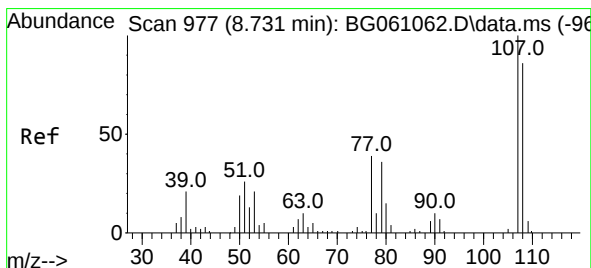
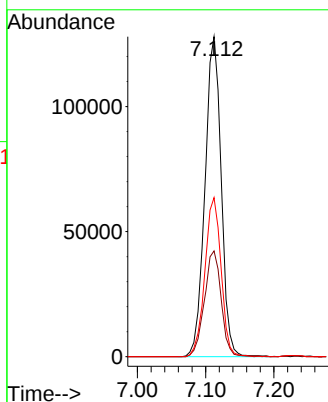
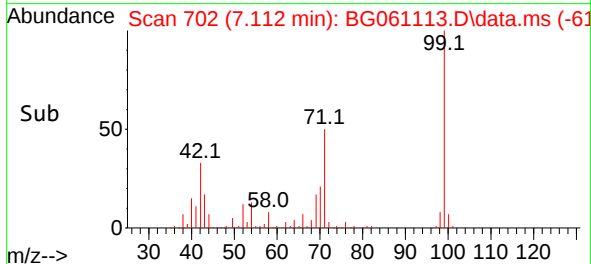
Instrument :
BNA_G
ClientSampleId :
VB16173



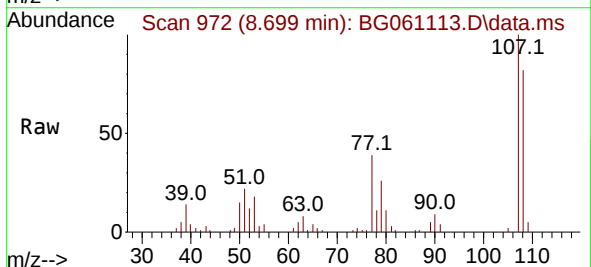
Tgt Ion: 99 Resp: 21169
Ion Ratio Lower Upper
99 100
42 33.0 29.2 43.8
71 49.7 39.7 59.5

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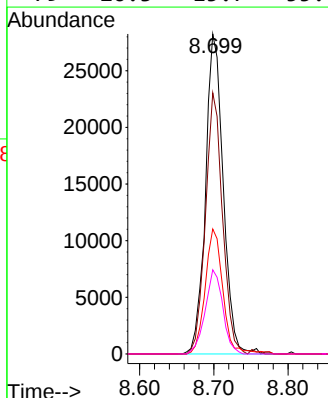
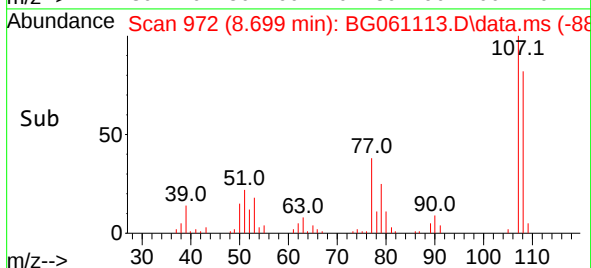
Reviewed By :Yogesh Patel 05/04/2024
Supervised By :mohammad ahmed 05/06/2024

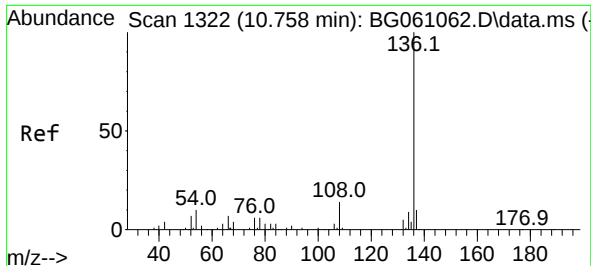


#20
3+4-Methylphenols
Concen: 20.156 ng
RT: 8.699 min Scan# 972
Delta R.T. -0.033 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35



Tgt Ion:107 Resp: 46953
Ion Ratio Lower Upper
107 100
108 81.6 65.7 105.7
77 39.0 19.4 59.4
79 26.3 15.7 55.7





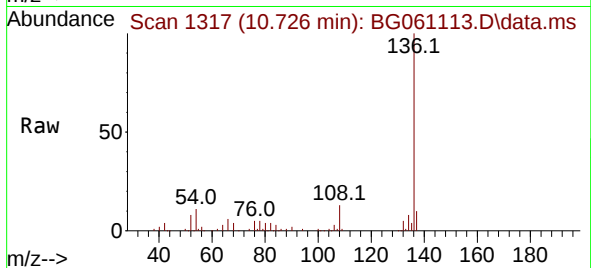
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 11
Delta R.T. -0.033 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

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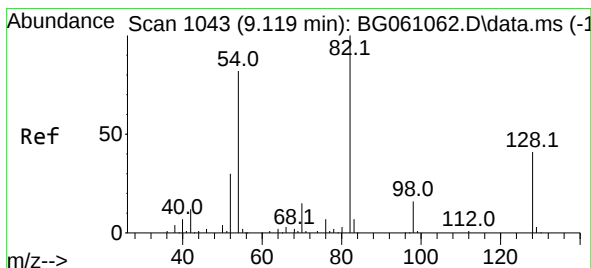
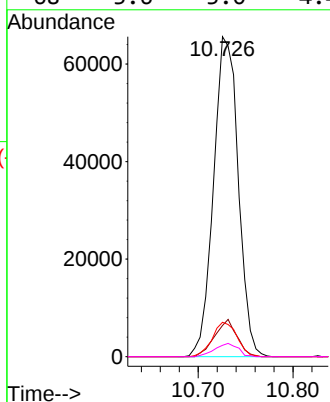
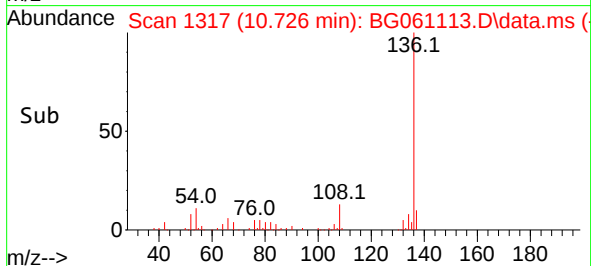
Tgt Ion:136 Resp: 11884
Ion Ratio Lower Upper
136 100
137 9.8 7.8 11.6
54 10.8 8.1 12.1
68 3.6 3.0 4.4

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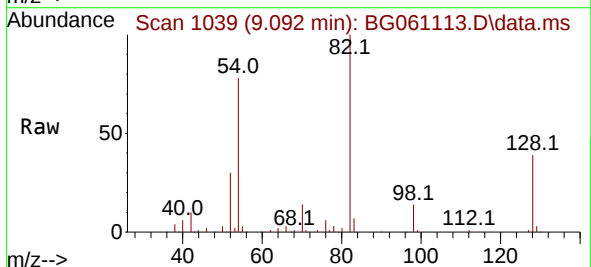
APPROVED

Reviewed By :Yogesh Patel 05/04/2024

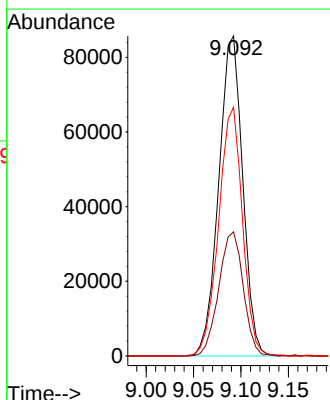
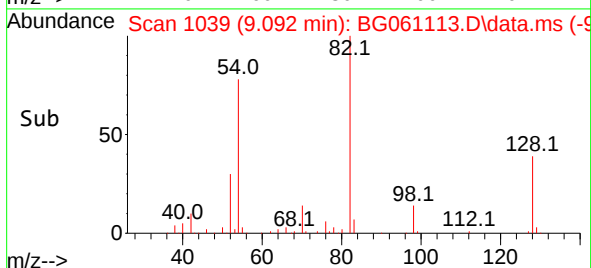
Supervised By :mohammad ahmed 05/06/2024

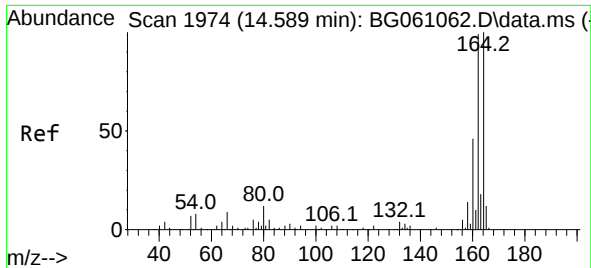


#23
Nitrobenzene-d5
Concen: 62.889 ng
RT: 9.092 min Scan# 1039
Delta R.T. -0.027 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35



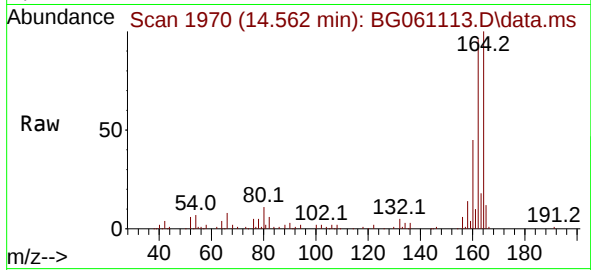
Tgt Ion: 82 Resp: 150770
Ion Ratio Lower Upper
82 100
128 38.8 32.7 49.1
54 77.8 65.6 98.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1974
Delta R.T. -0.027 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

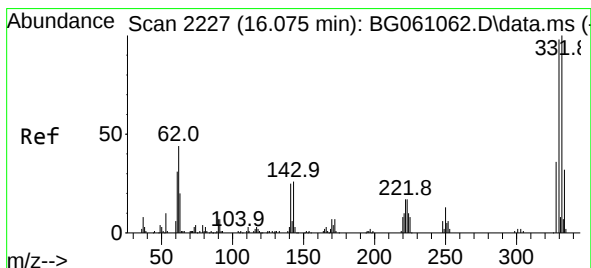
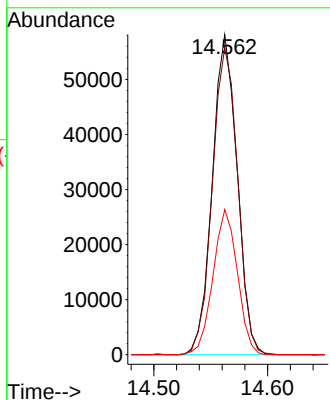
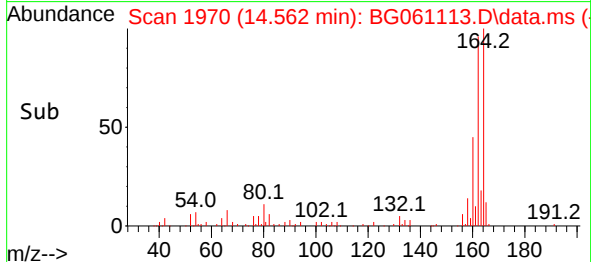
Instrument :
BNA_G
ClientSampleId :
VB16173



Tgt Ion:164 Resp: 88160
Ion Ratio Lower Upper
164 100
162 96.0 79.4 119.2
160 45.4 37.0 55.6

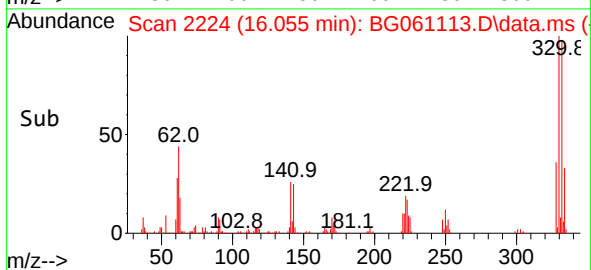
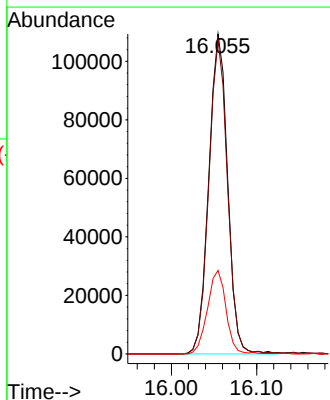
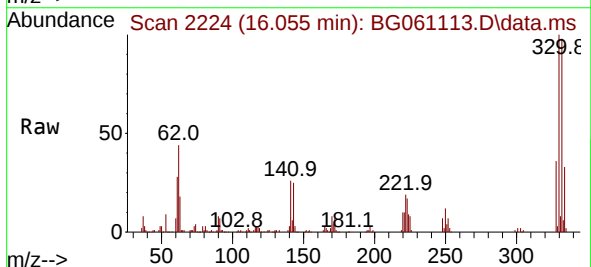
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#42
2,4,6-Tribromophenol
Concen: 95.348 ng
RT: 16.055 min Scan# 2224
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

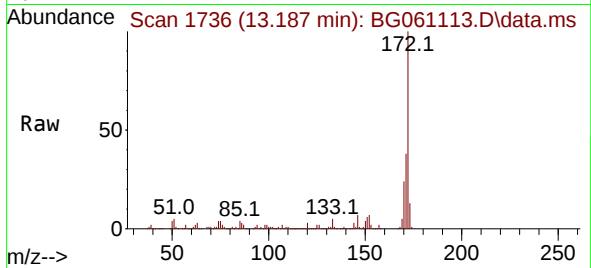
Tgt Ion:330 Resp: 168019
Ion Ratio Lower Upper
330 100
332 97.1 78.6 117.8
141 25.9 20.5 30.7





#45
2-Fluorobiphenyl
Concen: 62.255 ng
RT: 13.187 min Scan# 1736
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

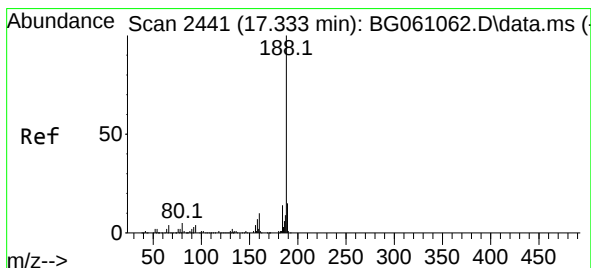
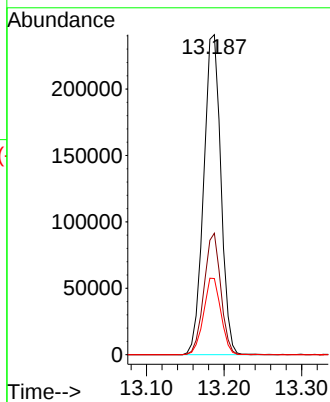
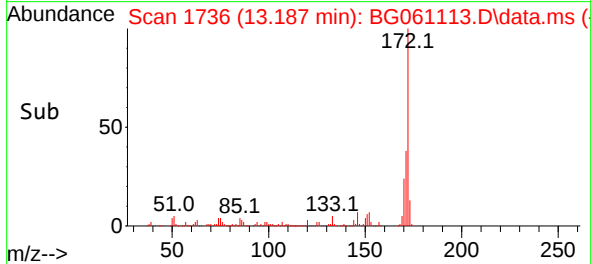
Instrument :
BNA_G
ClientSampleId :
VB16173



Tgt Ion:172 Resp: 371160
Ion Ratio Lower Upper
172 100
171 38.0 29.0 43.6
170 23.8 20.2 30.4

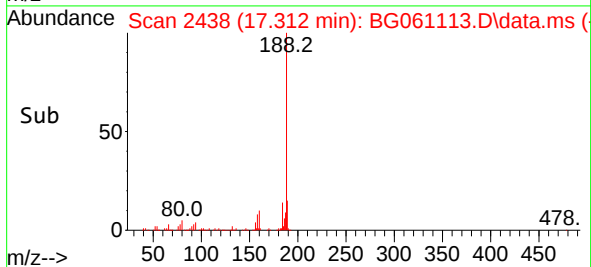
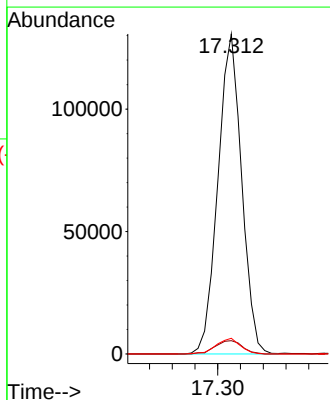
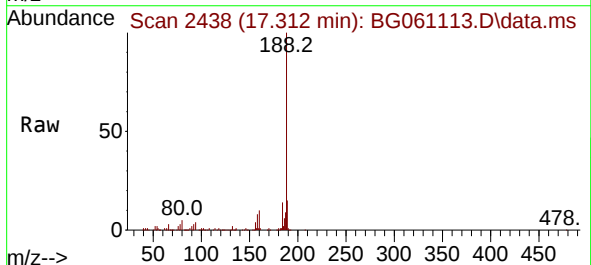
Manual Integrations
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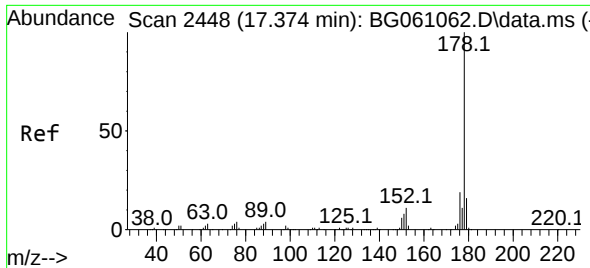
Reviewed By :Yogesh Patel 05/04/2024
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

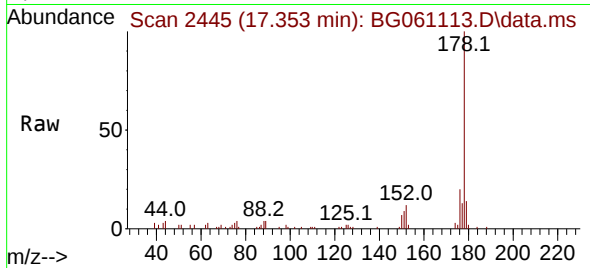
Tgt Ion:188 Resp: 188950
Ion Ratio Lower Upper
188 100
94 4.2 3.6 5.4
80 4.9 4.2 6.2





#71
Phenanthrene
Concen: 3.340 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

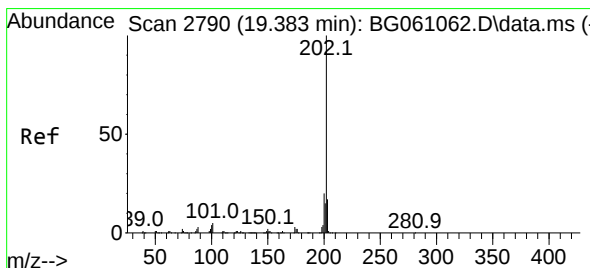
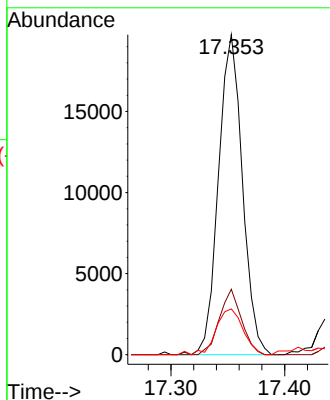
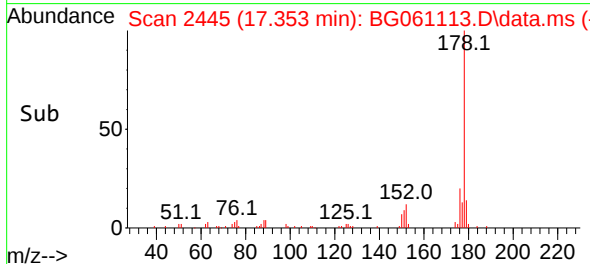
Instrument :
BNA_G
ClientSampleId :
VB16173



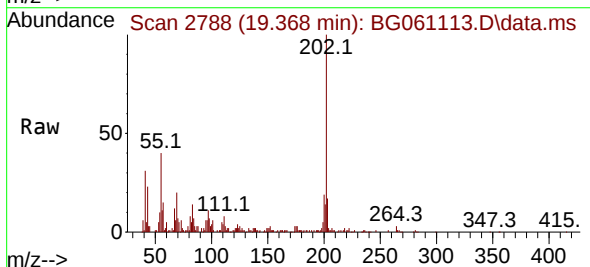
Tgt Ion:178 Resp: 2885
Ion Ratio Lower Upper
178 100
176 20.4 15.5 23.3
179 14.3 12.6 19.0

Manual Integrations
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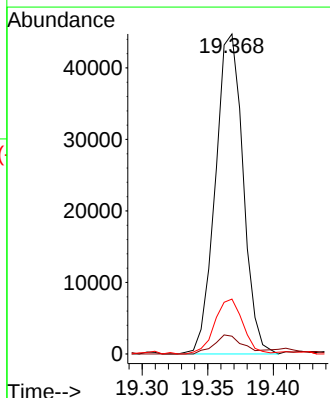
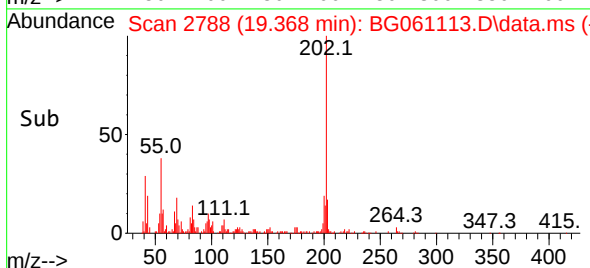
Reviewed By :Yogesh Patel 05/04/2024
Supervised By :mohammad ahmed 05/06/2024

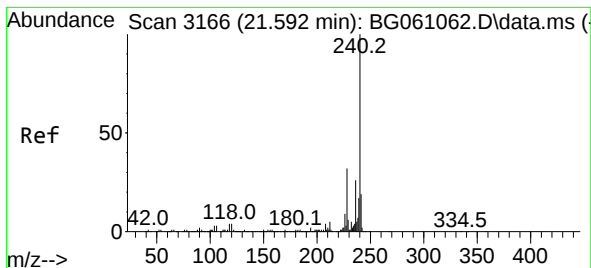


#75
Fluoranthene
Concen: 5.545 ng
RT: 19.368 min Scan# 2788
Delta R.T. -0.015 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35



Tgt Ion:202 Resp: 65628
Ion Ratio Lower Upper
202 100
101 6.5 0.0 24.7
203 17.2 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.021 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:240 Resp: 190329

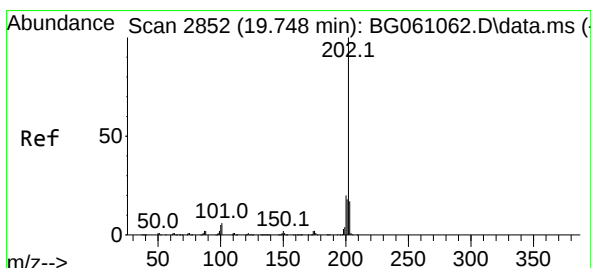
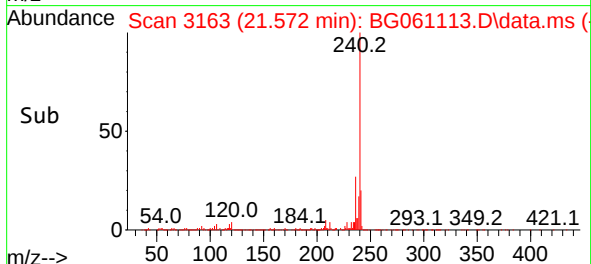
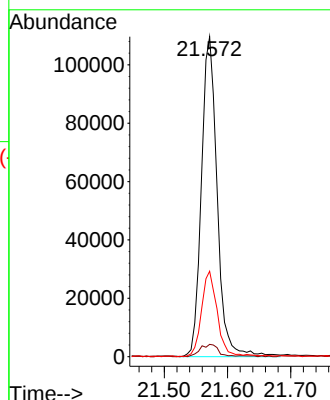
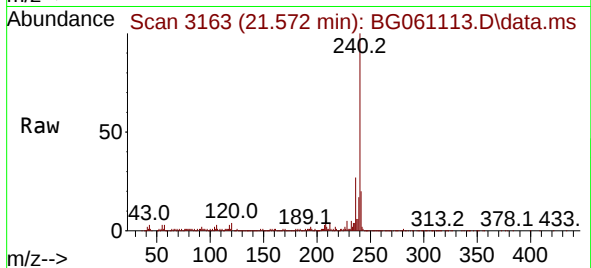
Ion	Ratio	Lower	Upper
240	100		
120	3.8	3.2	4.8
236	26.7	21.0	31.6

Manual Integrations

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#78

Pyrene

Concen: 4.975 ng

RT: 19.727 min Scan# 2849

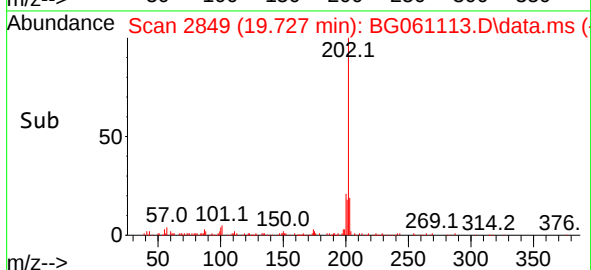
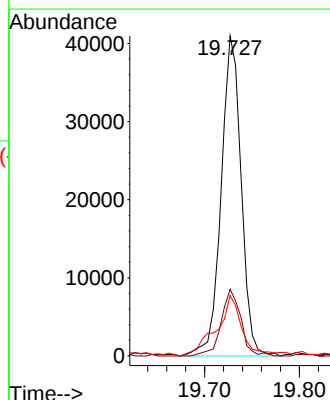
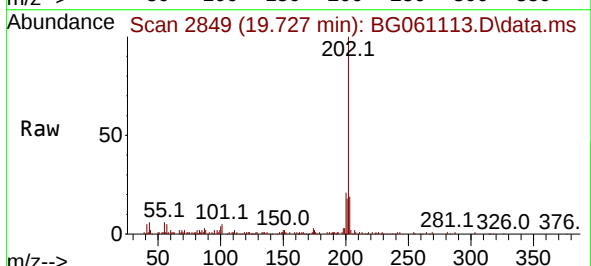
Delta R.T. -0.021 min

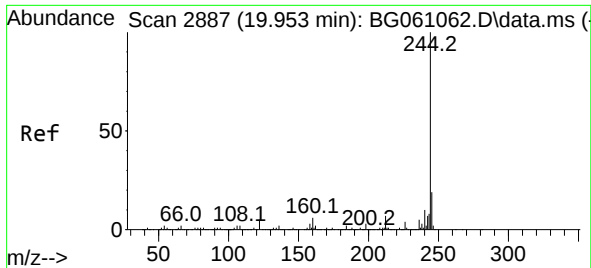
Lab File: BG061113.D

Acq: 3 May 2024 19:35

Tgt Ion:202 Resp: 60199

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.2	24.4
203	18.9	13.3	19.9





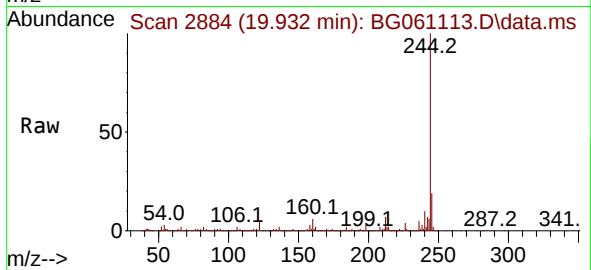
#79
 Terphenyl-d14
 Concen: 51.476 ng
 RT: 19.932 min Scan# 21
 Delta R.T. -0.021 min
 Lab File: BG061113.D
 Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

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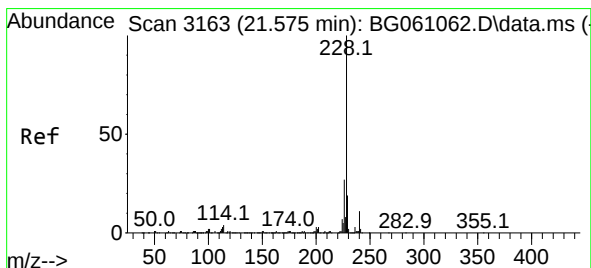
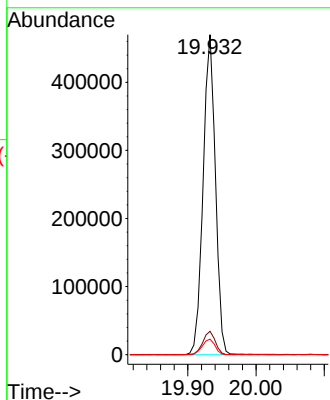
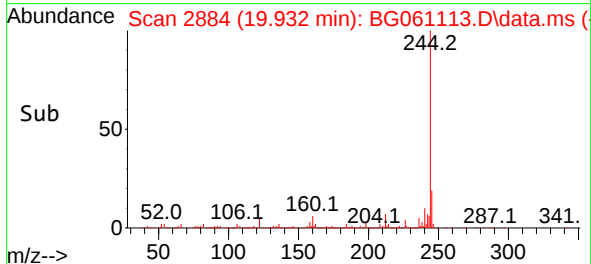


Tgt Ion:244 Resp: 589094
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 4.9 4.2 6.2

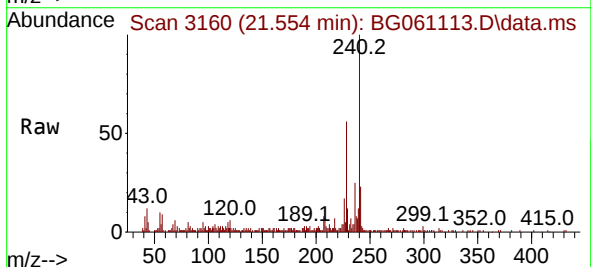
Manual Integrations

APPROVED

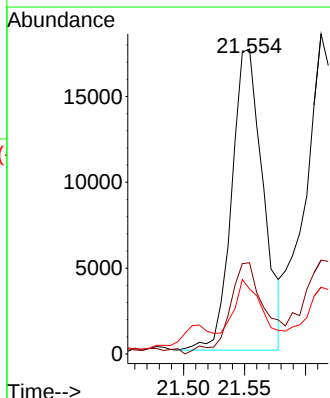
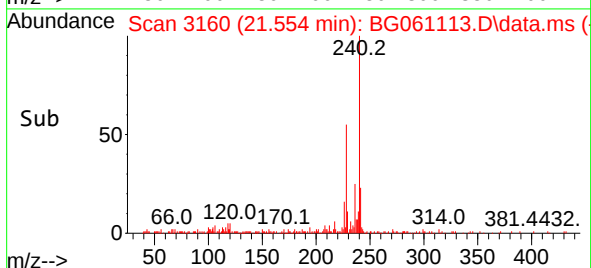
Reviewed By :Yogesh Patel 05/04/2024
 Supervised By :mohammad ahmed 05/06/2024

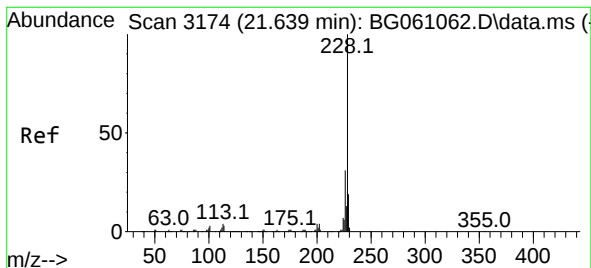


#81
 Benzo(a)anthracene
 Concen: 2.521 ng
 RT: 21.554 min Scan# 3160
 Delta R.T. -0.021 min
 Lab File: BG061113.D
 Acq: 3 May 2024 19:35



Tgt Ion:228 Resp: 31392
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.6 32.4
 229 21.3 15.0 22.4





#83

Chrysene

Concen: 2.991 ng m

RT: 21.613 min Scan# 3170

Delta R.T. -0.027 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

VB16173

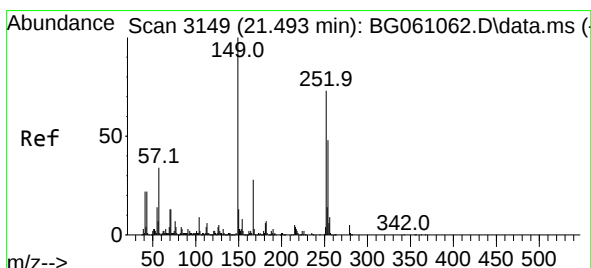
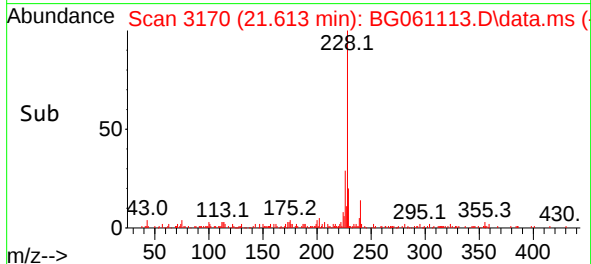
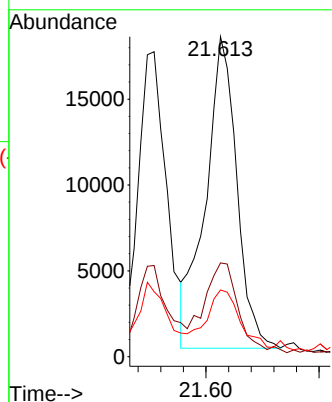
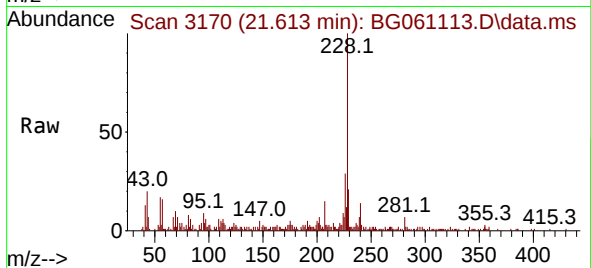
Tgt Ion:	228	Resp:	3489
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.4	36.6
229	20.9	14.8	22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/04/2024

Supervised By :mohammad ahmed 05/06/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.904 ng

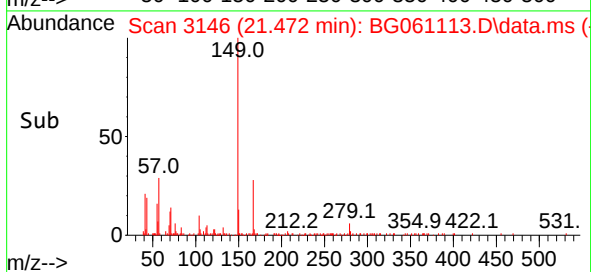
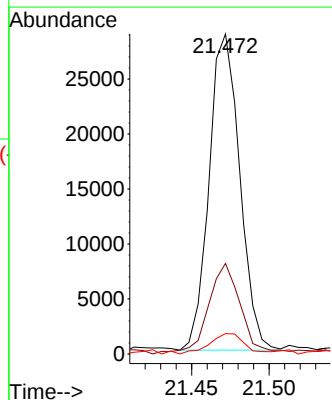
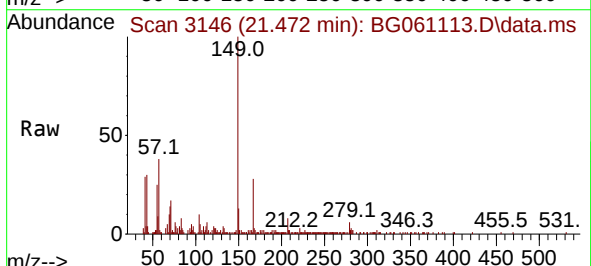
RT: 21.472 min Scan# 3146

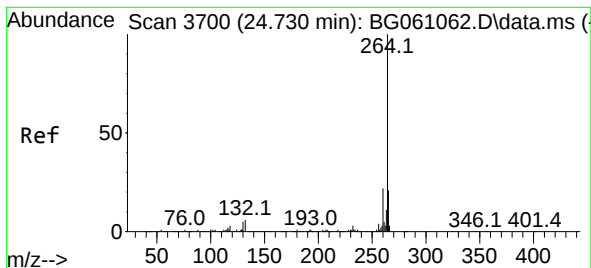
Delta R.T. -0.021 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Tgt Ion:	149	Resp:	39533
Ion Ratio	Lower	Upper	
149	100		
167	28.3	22.1	33.1
279	6.3	4.1	6.1





#86

Perylene-d12

Concen: 20.000 ng m

RT: 24.697 min Scan# 3

Delta R.T. -0.032 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

Instrument :

BNA_G

ClientSampleId :

VB16173

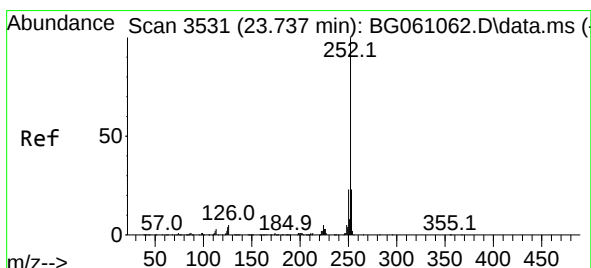
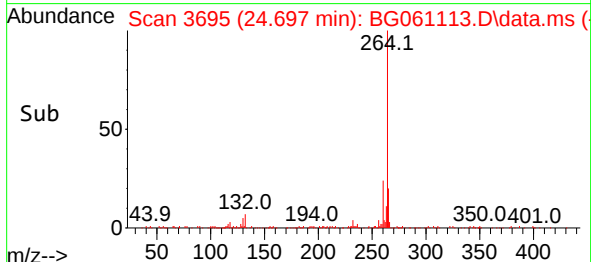
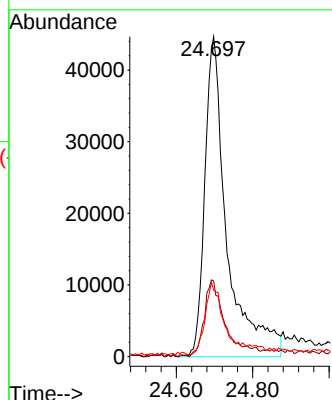
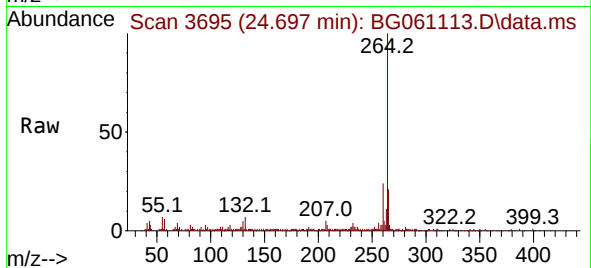
Tgt Ion:264	Resp: 18040
Ion Ratio	Lower Upper
264	100
260	23.6 17.7 26.5
265	20.8 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/04/2024

Supervised By :mohammad ahmed 05/06/2024



#88

Benzo(b)fluoranthene

Concen: 3.710 ng

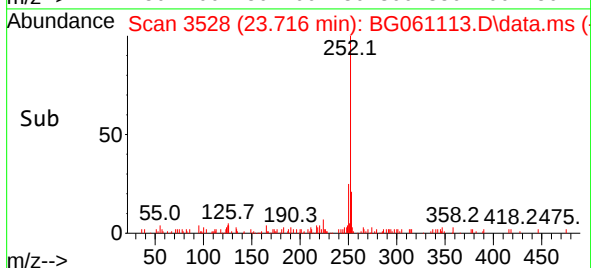
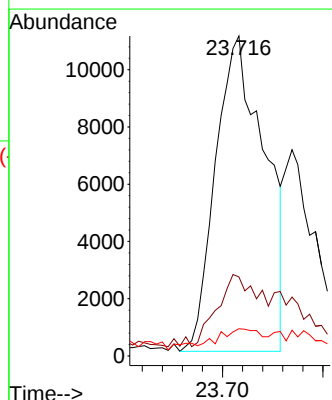
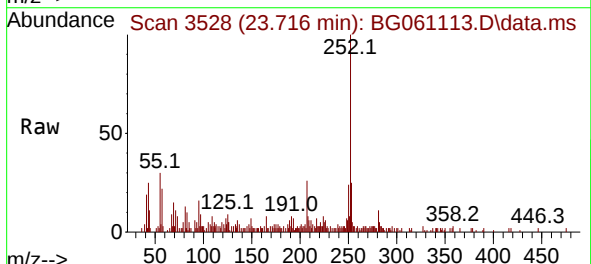
RT: 23.716 min Scan# 3528

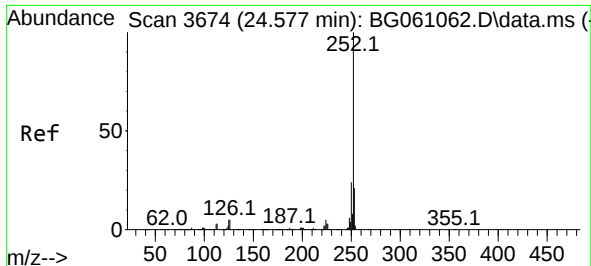
Delta R.T. -0.021 min

Lab File: BG061113.D

Acq: 3 May 2024 19:35

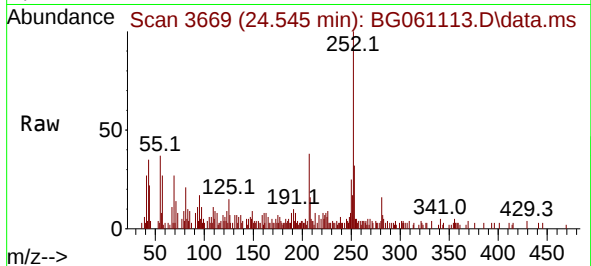
Tgt Ion:252	Resp: 37403
Ion Ratio	Lower Upper
252	100
253	24.7 18.2 27.2
125	13.5 3.4 5.0





#90
Benzo(a)pyrene
Concen: 2.505 ng m
RT: 24.545 min Scan# 30
Delta R.T. -0.033 min
Lab File: BG061113.D
Acq: 3 May 2024 19:35

Instrument :
BNA_G
ClientSampleId :
VB16173



Tgt Ion:252 Resp: 2200
Ion Ratio Lower Upper
252 100
253 31.8 16.9 25.3
125 14.6 3.8 5.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/04/2024
Supervised By :mohammad ahmed 05/06/2024

