

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061239.D
 Acq On : 17 May 2024 15:10
 Operator : MA/JU
 Sample : P2496-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-28452

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 17 16:08:36 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	7.927	152	30239	20.000	ng	-0.03
21) Naphthalene-d8	10.724	136	113577	20.000	ng	#-0.03
39) Acenaphthene-d10	14.566	164	84537	20.000	ng	-0.02
64) Phenanthrene-d10	17.333	188	173710	20.000	ng	# 0.00
76) Chrysene-d12	21.587	240	173116	20.000	ng	# 0.00
86) Perylene-d12	24.707	264	217607	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.524	112	62841	42.264	ng	-0.02
7) Phenol-d6	7.110	99	84779	38.544	ng	-0.02
23) Nitrobenzene-d5	9.084	82	63840	27.864	ng	-0.03
42) 2,4,6-Tribromophenol	16.070	330	53655	31.753	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	149239	26.105	ng	-0.03
79) Terphenyl-d14	19.948	244	245217	23.558	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.375	178	164150	20.667	ng	# 84
72) Anthracene	17.463	178	26505	3.344	ng	# 25
75) Fluoranthene	19.396	202	464997	42.733	ng	92
78) Pyrene	19.754	202	405402	36.835	ng	# 94
81) Benzo(a)anthracene	21.570	228	224928	19.855	ng	94
83) Chrysene	21.628	228	259077m	24.410	ng	
87) Indeno(1,2,3-cd)pyrene	28.250	276	160255	11.112	ng	# 93
88) Benzo(b)fluoranthene	23.726	252	348778	28.683	ng	# 98
89) Benzo(k)fluoranthene	23.779	252	132233m	11.304	ng	
90) Benzo(a)pyrene	24.560	252	219654	20.734	ng	# 98
91) Dibenzo(a,h)anthracene	28.309	278	37414m	3.133	ng	
92) Benzo(g,h,i)perylene	29.360	276	151622	12.776	ng	# 91

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

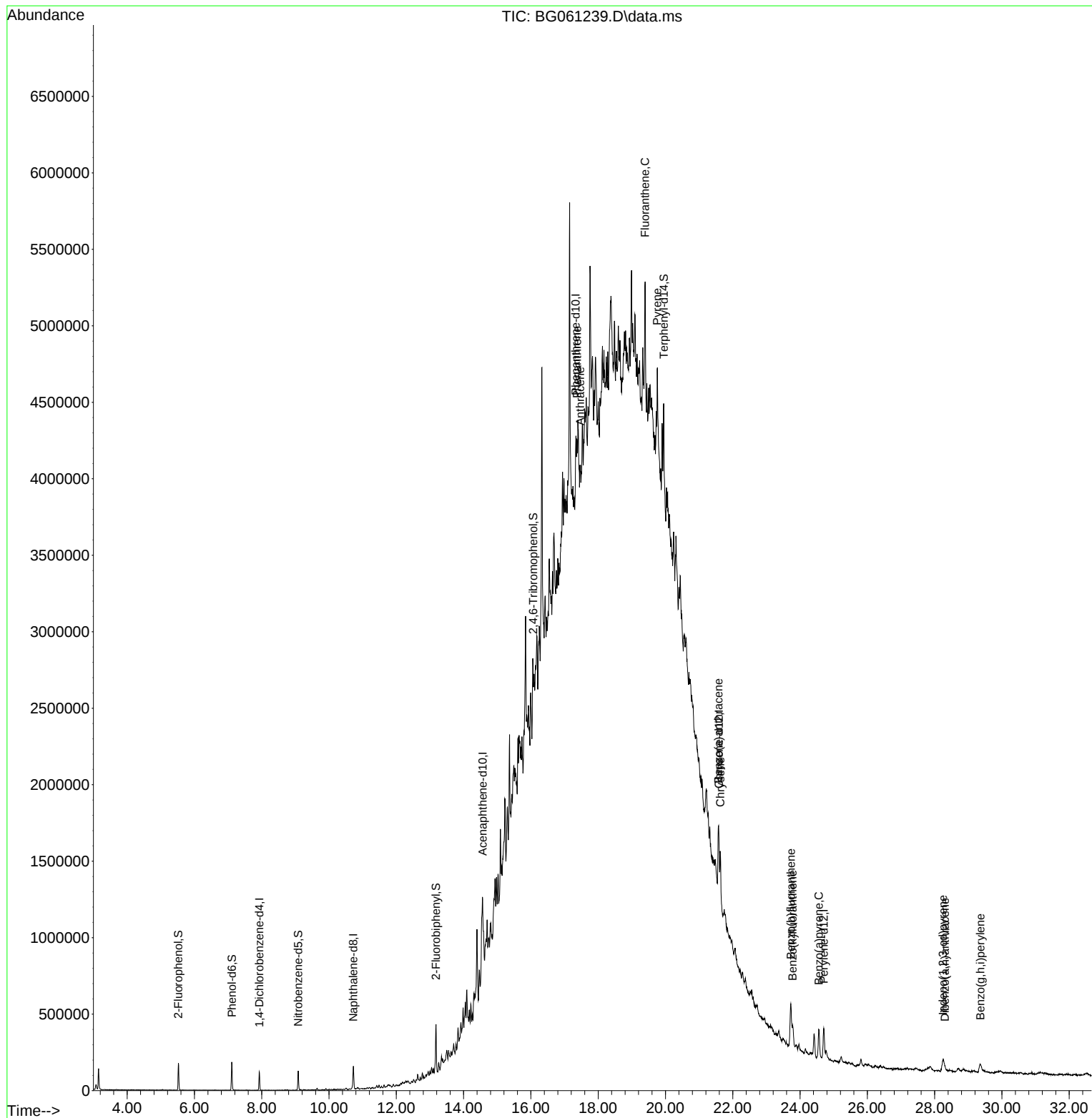
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061239.D
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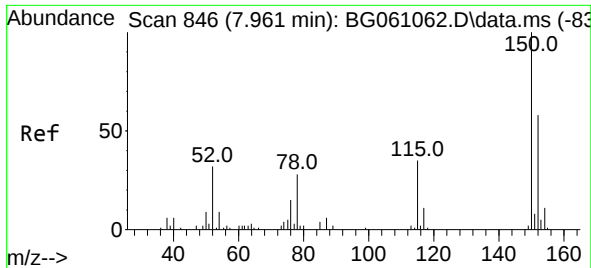
Instrument :
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Quant Time: May 17 16:08:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
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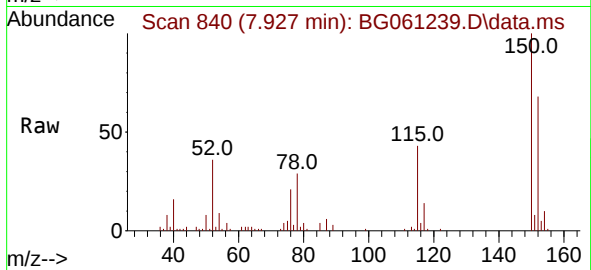
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.927 min Scan# 846
Delta R.T. -0.034 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

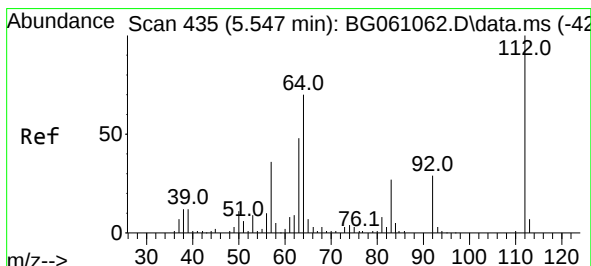
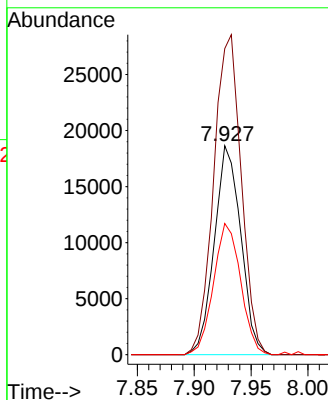
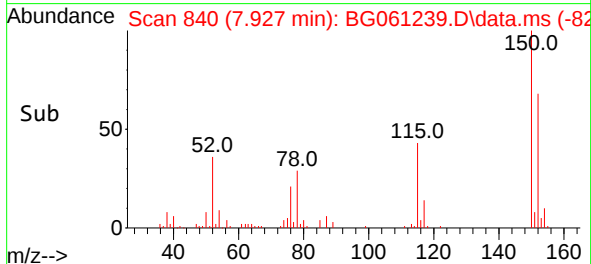


Tgt Ion:152 Resp: 30239
Ion Ratio Lower Upper
152 100
150 146.4 138.3 207.5
115 62.8 48.0 72.0

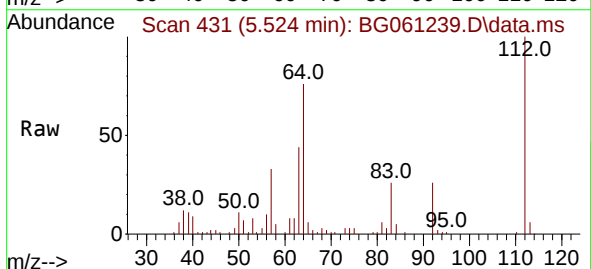
Manual Integrations

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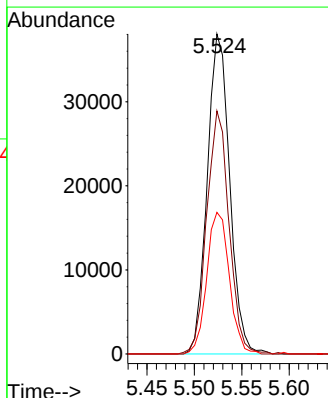
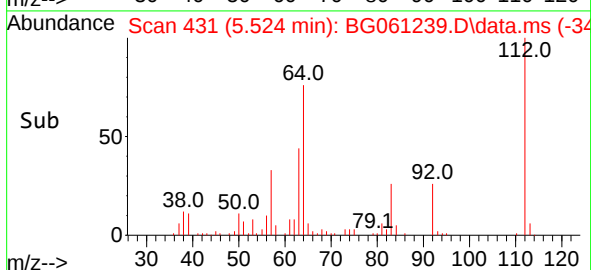
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#5
2-Fluorophenol
Concen: 42.264 ng
RT: 5.524 min Scan# 431
Delta R.T. -0.023 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10



Tgt Ion:112 Resp: 62841
Ion Ratio Lower Upper
112 100
64 75.9 55.7 83.5
63 44.2 38.1 57.1





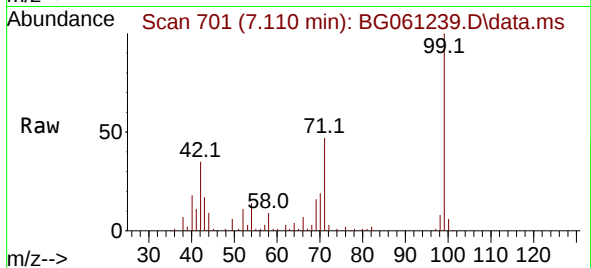
#7
Phenol-d6
Concen: 38.544 ng
RT: 7.110 min Scan# 705
Delta R.T. -0.023 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

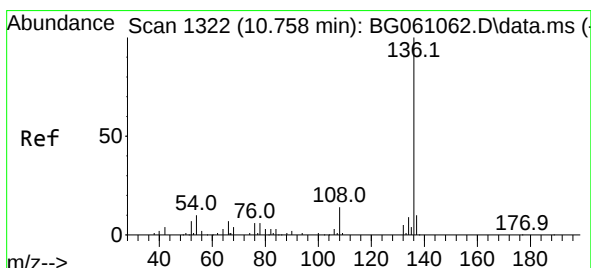
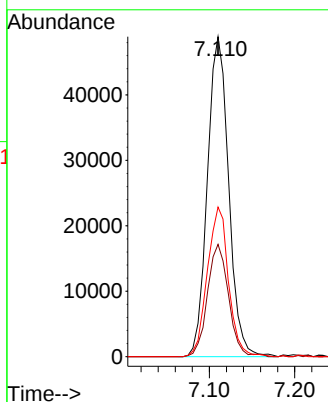
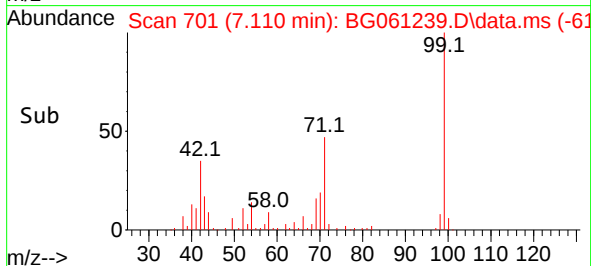


Tgt Ion: 99 Resp: 84779
Ion Ratio Lower Upper
99 100
42 35.1 29.2 43.8
71 46.7 39.7 59.5

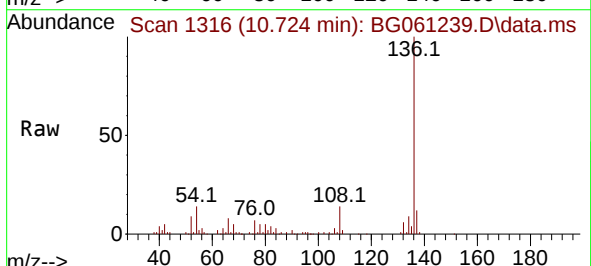
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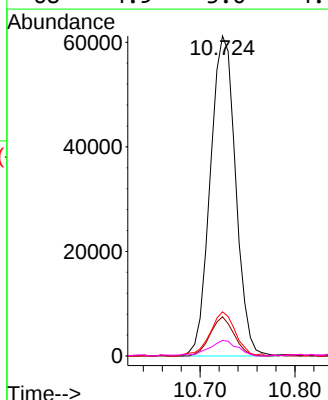
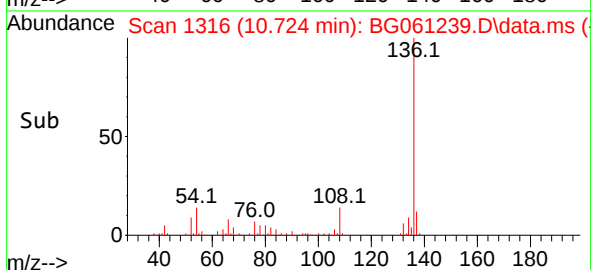
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.724 min Scan# 1316
Delta R.T. -0.035 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10



Tgt Ion:136 Resp: 113577
Ion Ratio Lower Upper
136 100
137 12.2 7.8 11.6#
54 13.8 8.1 12.1#
68 4.9 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 27.864 ng

RT: 9.084 min Scan# 1043

Delta R.T. -0.035 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

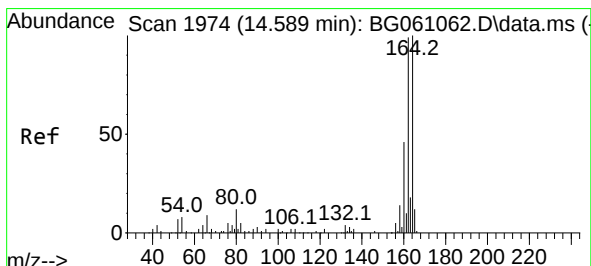
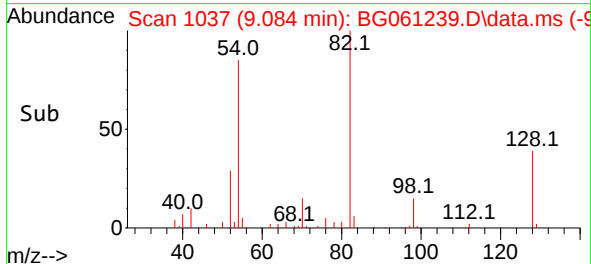
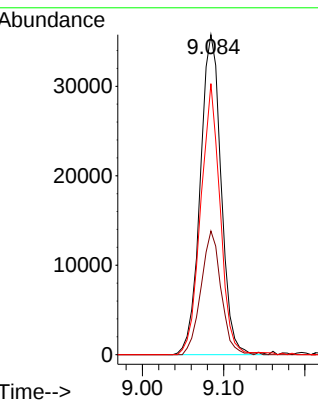
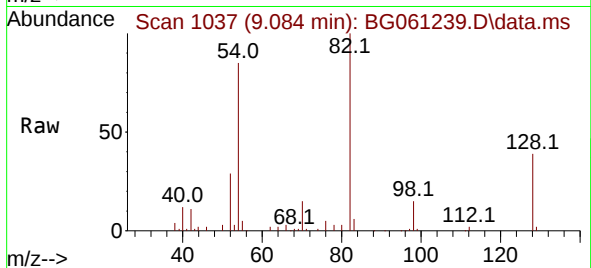
Tgt Ion: 82 Resp: 63840

Ion	Ratio	Lower	Upper
82	100		
128	38.6	32.7	49.1
54	84.7	65.6	98.4

Manual Integrations

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Supervised By :mohammad ahmed 05/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.566 min Scan# 1970

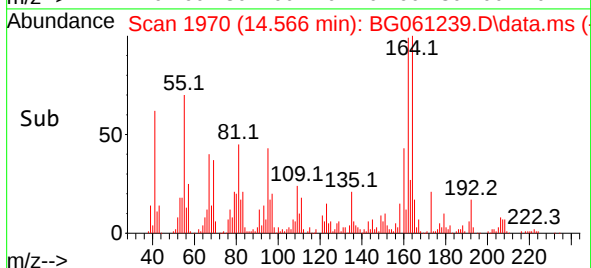
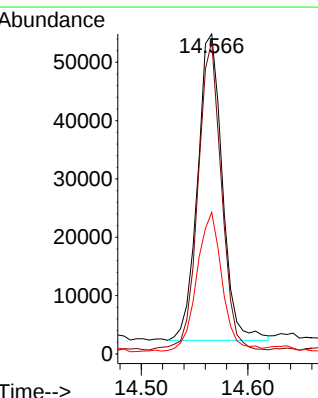
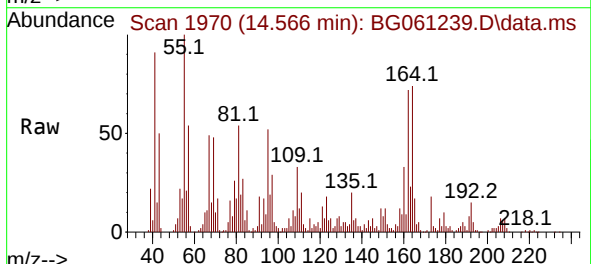
Delta R.T. -0.023 min

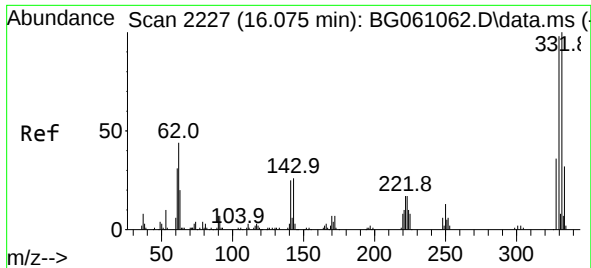
Lab File: BG061239.D

Acq: 17 May 2024 15:10

Tgt Ion:164 Resp: 84537

Ion	Ratio	Lower	Upper
164	100		
162	97.6	79.4	119.2
160	44.3	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 31.753 ng
RT: 16.070 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

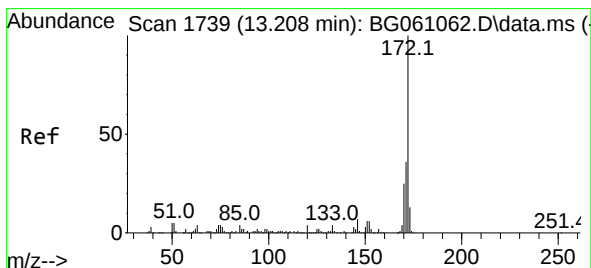
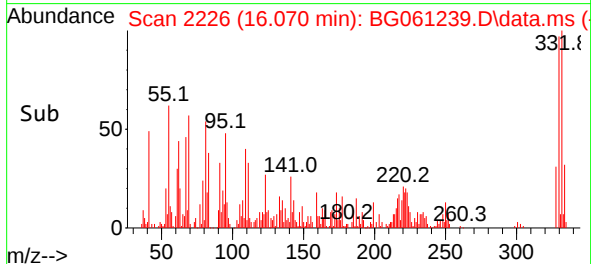
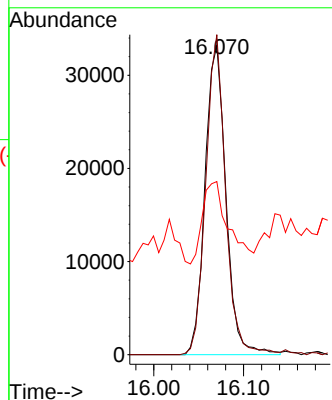
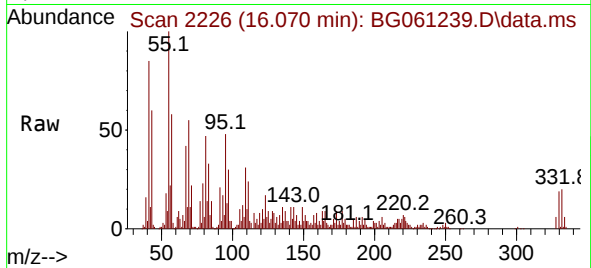
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Tgt Ion:330 Resp: 5365
Ion Ratio Lower Upper
330 100
332 97.8 78.6 117.8
141 33.2 20.5 30.7

Manual Integrations

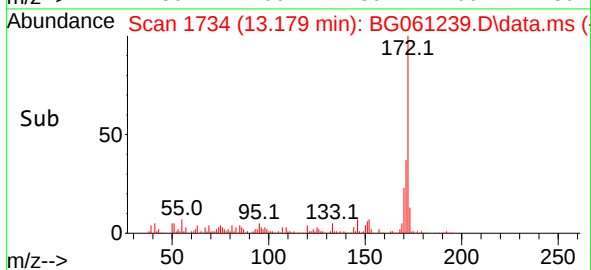
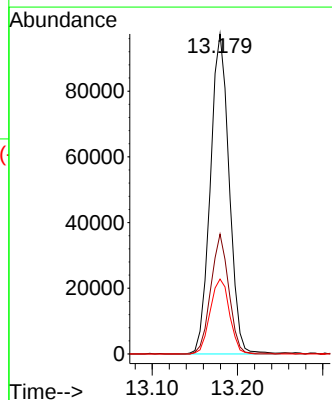
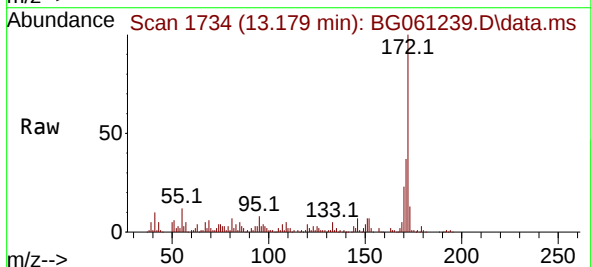
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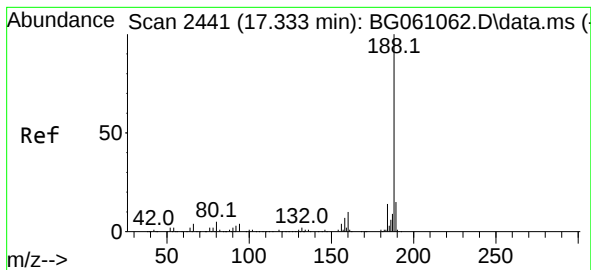
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#45
2-Fluorobiphenyl
Concen: 26.105 ng
RT: 13.179 min Scan# 1734
Delta R.T. -0.029 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

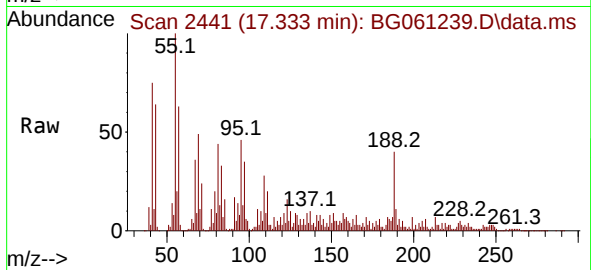
Tgt Ion:172 Resp: 149239
Ion Ratio Lower Upper
172 100
171 37.4 29.0 43.6
170 23.4 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2441
Delta R.T. 0.001 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

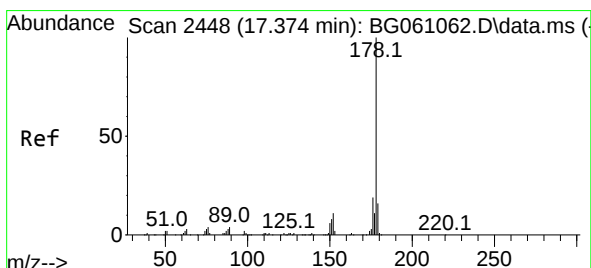
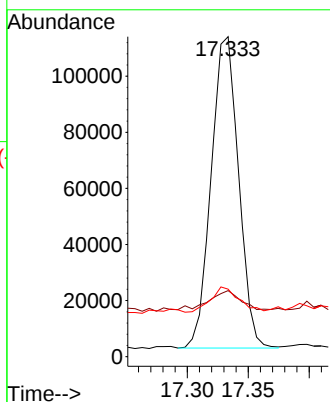
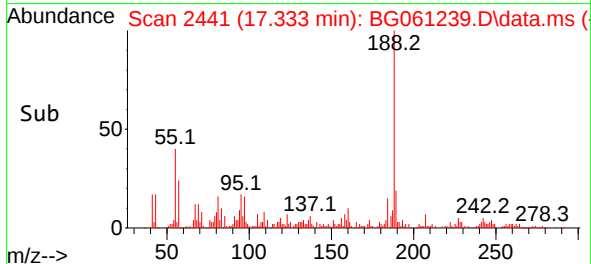
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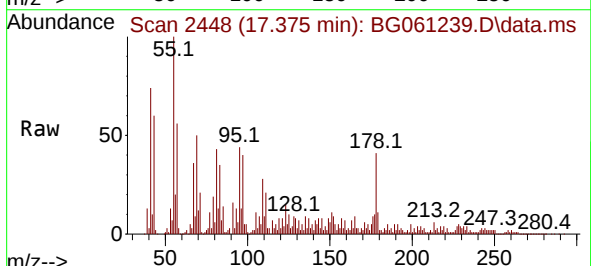
Tgt Ion:188 Resp: 173710
Ion Ratio Lower Upper
188 100
94 20.7 3.6 5.4
80 21.1 4.2 6.2

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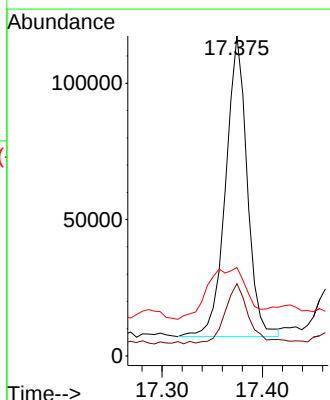
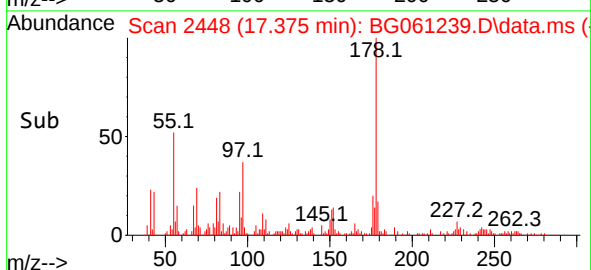
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

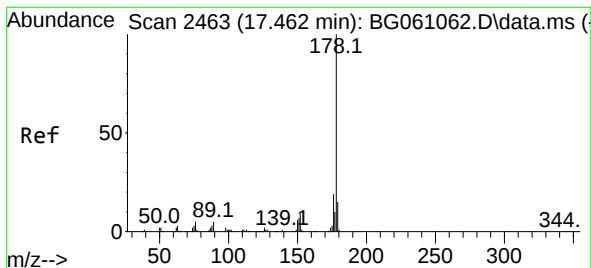


#71
Phenanthrene
Concen: 20.667 ng
RT: 17.375 min Scan# 2448
Delta R.T. 0.001 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10



Tgt Ion:178 Resp: 164150
Ion Ratio Lower Upper
178 100
176 22.6 15.5 23.3
179 27.6 12.6 19.0





#72

Anthracene

Concen: 3.344 ng

RT: 17.463 min Scan# 2463

Delta R.T. 0.001 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

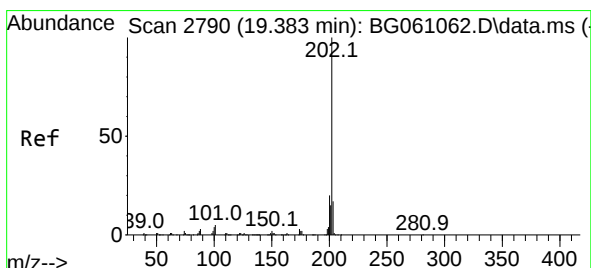
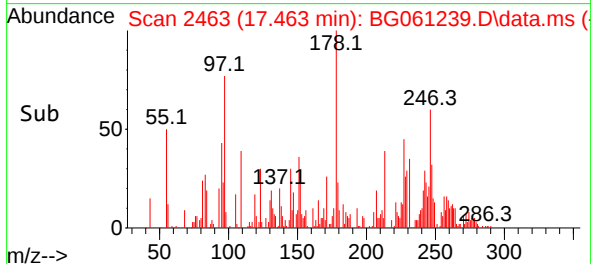
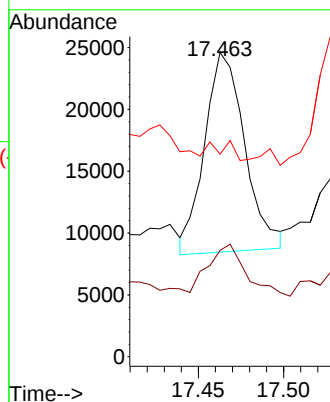
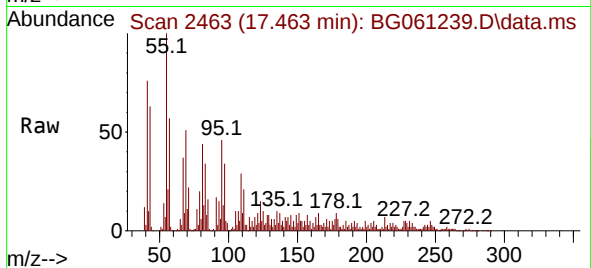
CHRT-28452

Tgt Ion:178	Resp: 2650
Ion Ratio	Lower Upper
178	100
176	34.9 15.0 22.6
179	66.6 12.0 18.0

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Supervised By :mohammad ahmed 05/22/2024



#75

Fluoranthene

Concen: 42.733 ng

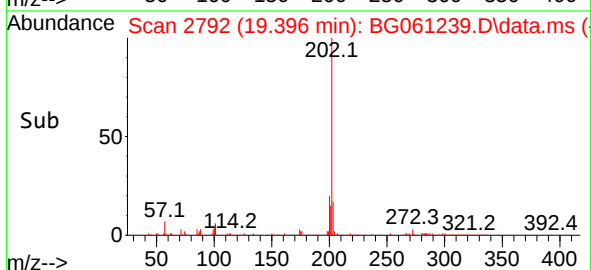
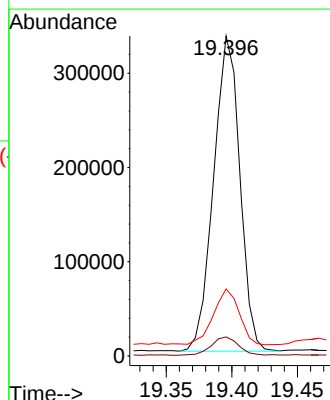
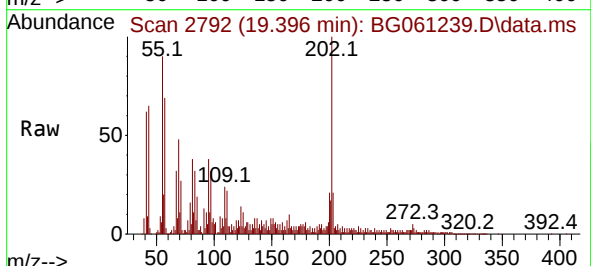
RT: 19.396 min Scan# 2792

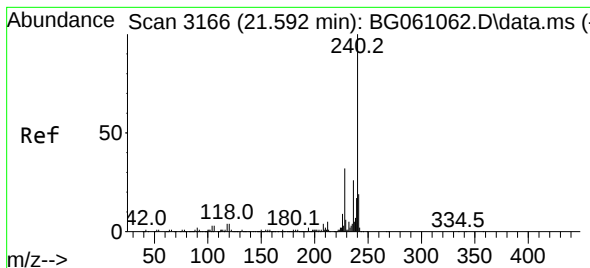
Delta R.T. 0.012 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Tgt Ion:202	Resp: 464997
Ion Ratio	Lower Upper
202	100
101	5.9 0.0 24.7
203	20.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.587 min Scan# 3165

Delta R.T. -0.005 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

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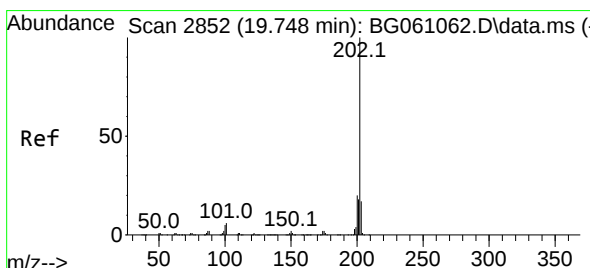
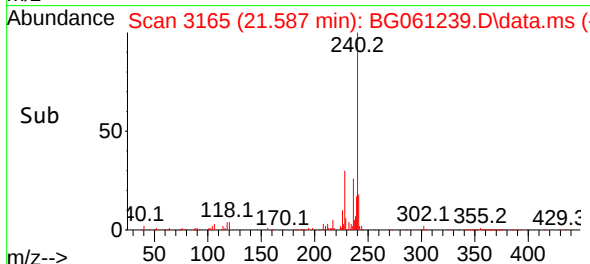
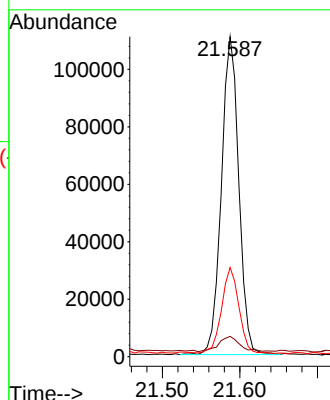
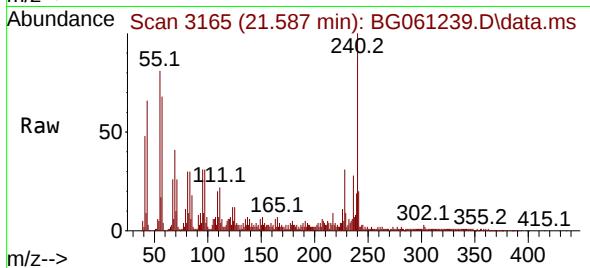
Tgt Ion:240 Resp: 173110

Ion	Ratio	Lower	Upper
240	100		
120	6.3	3.2	4.8
236	27.8	21.0	31.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#78

Pyrene

Concen: 36.835 ng

RT: 19.754 min Scan# 2853

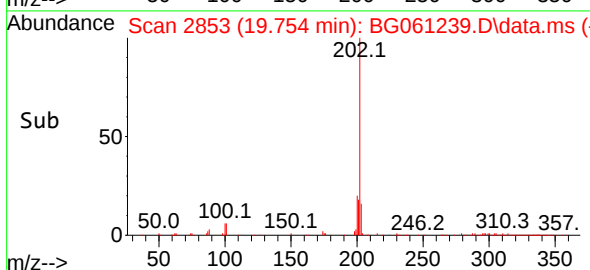
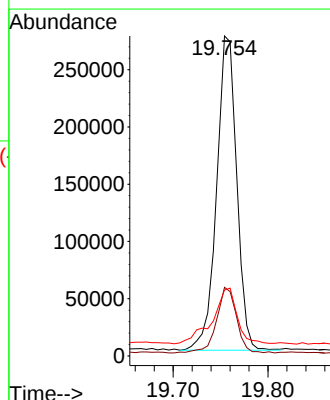
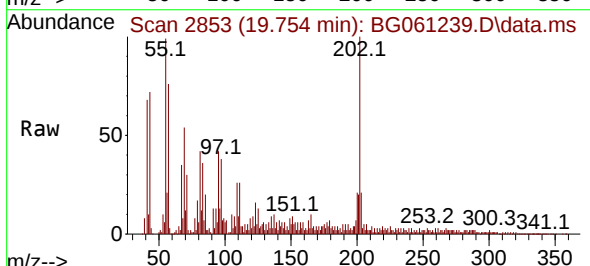
Delta R.T. 0.007 min

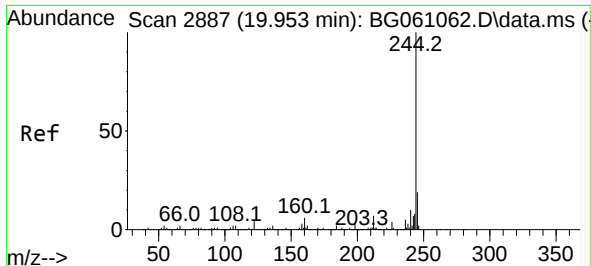
Lab File: BG061239.D

Acq: 17 May 2024 15:10

Tgt Ion:202 Resp: 405402

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.2	24.4
203	20.6	13.3	19.9





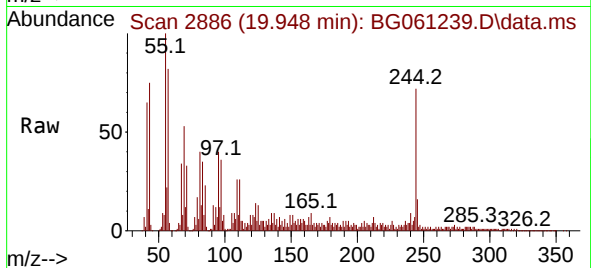
#79
 Terphenyl-d14
 Concen: 23.558 ng
 RT: 19.948 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG061239.D
 Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

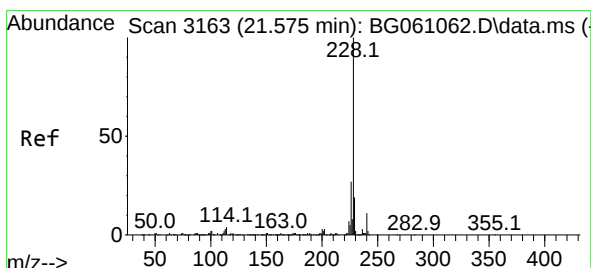
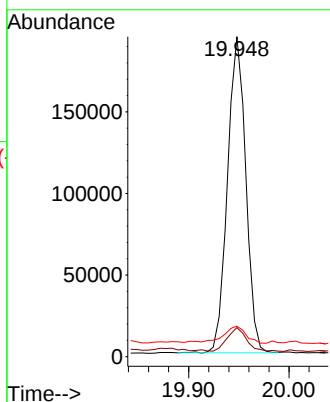
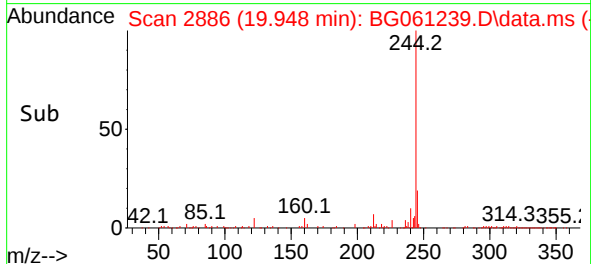


Tgt Ion:244 Resp: 245217
 Ion Ratio Lower Upper
 244 100
 212 9.1 5.7 8.5
 122 9.6 4.2 6.2

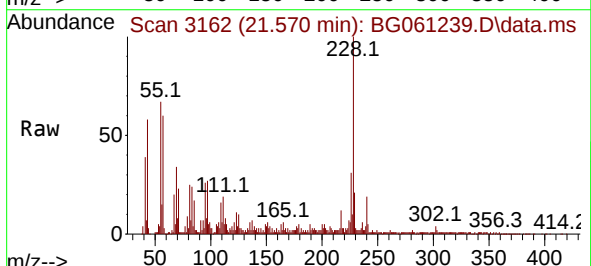
Manual Integrations

APPROVED

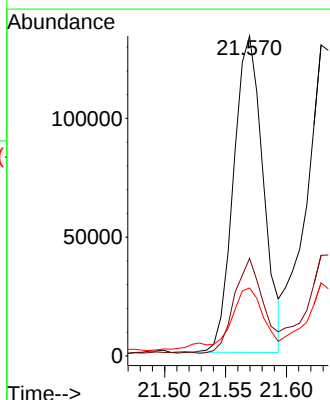
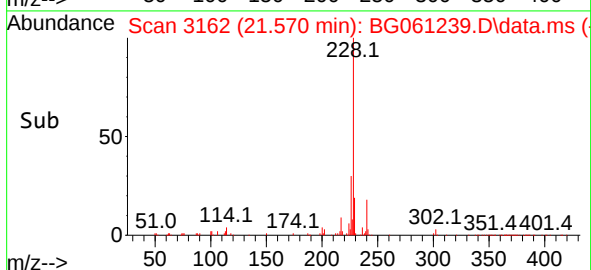
Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

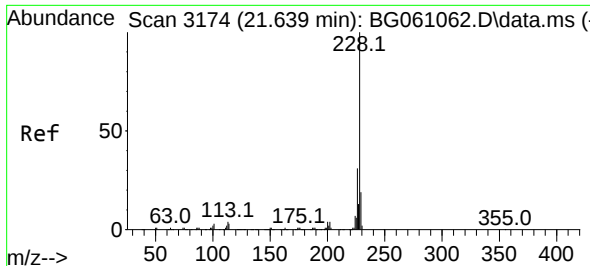


#81
 Benzo(a)anthracene
 Concen: 19.855 ng
 RT: 21.570 min Scan# 3162
 Delta R.T. -0.005 min
 Lab File: BG061239.D
 Acq: 17 May 2024 15:10



Tgt Ion:228 Resp: 224928
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.6 32.4
 229 21.2 15.0 22.4





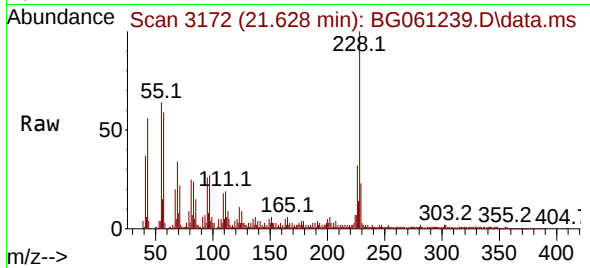
#83
Chrysene
Concen: 24.410 ng m
RT: 21.628 min Scan# 3174
Delta R.T. -0.011 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

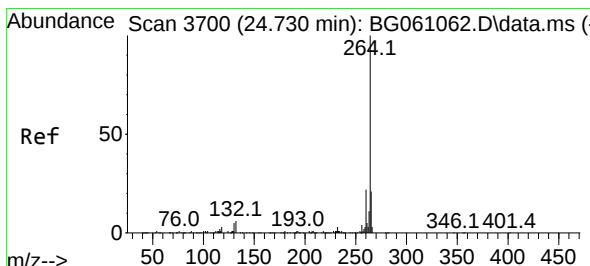
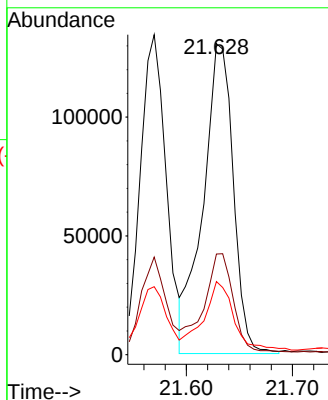
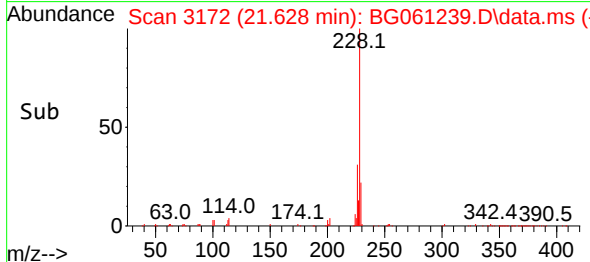


Tgt Ion:228 Resp: 25907
Ion Ratio Lower Upper
228 100
226 32.3 24.4 36.6
229 23.5 14.8 22.2

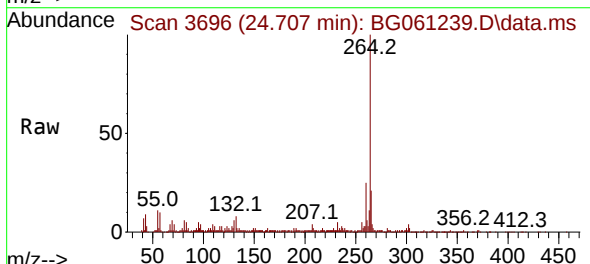
Manual Integrations

APPROVED

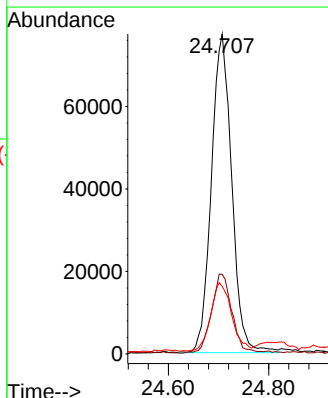
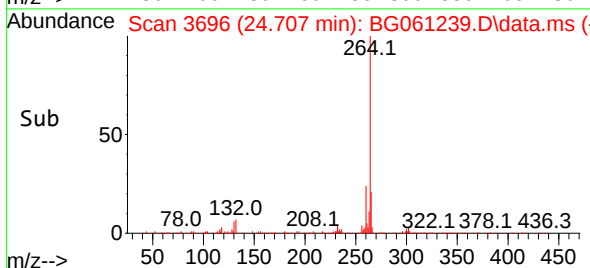
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

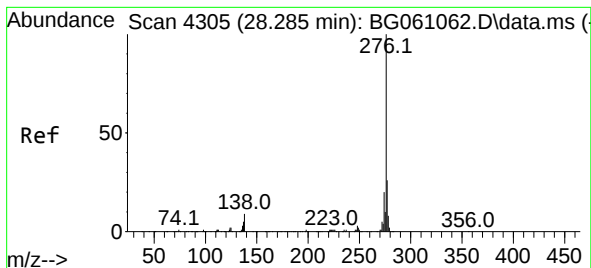


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.707 min Scan# 3696
Delta R.T. -0.023 min
Lab File: BG061239.D
Acq: 17 May 2024 15:10



Tgt Ion:264 Resp: 217607
Ion Ratio Lower Upper
264 100
260 24.9 17.7 26.5
265 21.1 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.112 ng

RT: 28.250 min Scan# 41

Delta R.T. -0.035 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

Tgt Ion:276 Resp: 16025

Ion Ratio Lower Upper

276 100

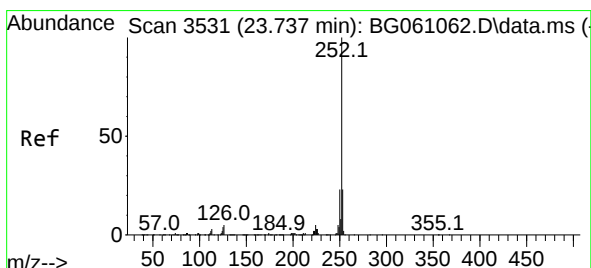
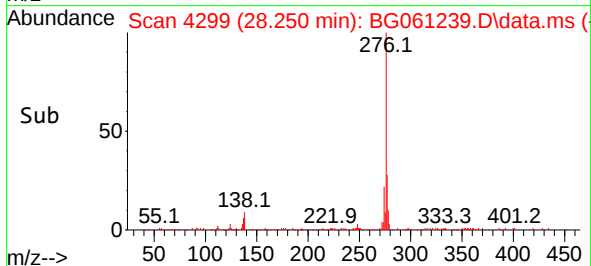
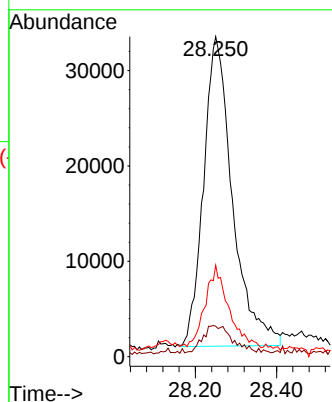
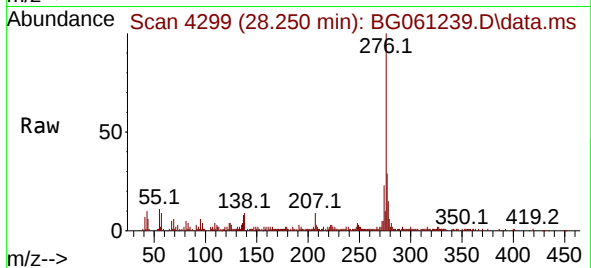
138 8.6 5.1 7.7

277 21.9 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#88

Benzo(b)fluoranthene

Concen: 28.683 ng

RT: 23.726 min Scan# 3529

Delta R.T. -0.011 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

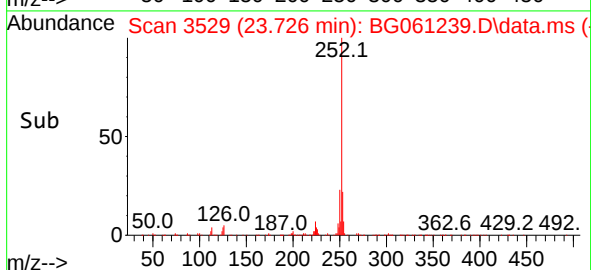
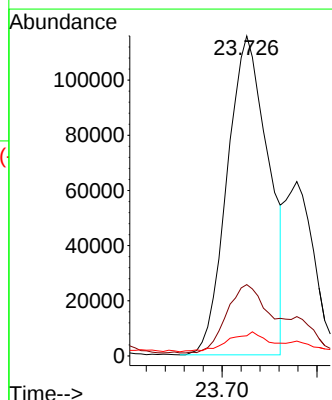
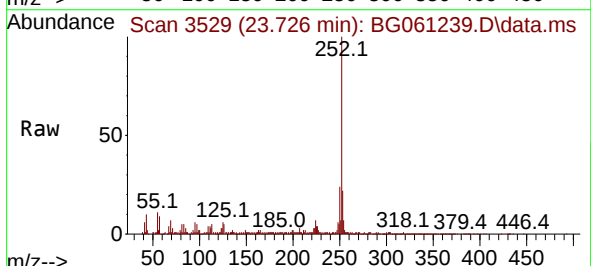
Tgt Ion:252 Resp: 348778

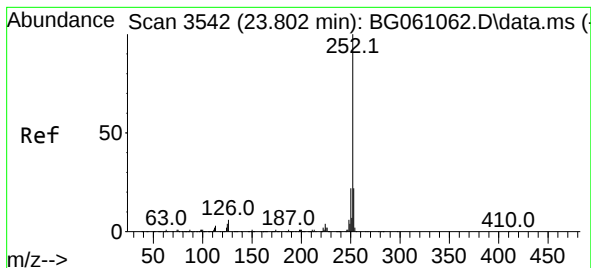
Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 6.3 3.4 5.0





#89

Benzo(k)fluoranthene

Concen: 11.304 ng m

RT: 23.779 min Scan# 3538

Delta R.T. -0.023 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

CHRT-28452

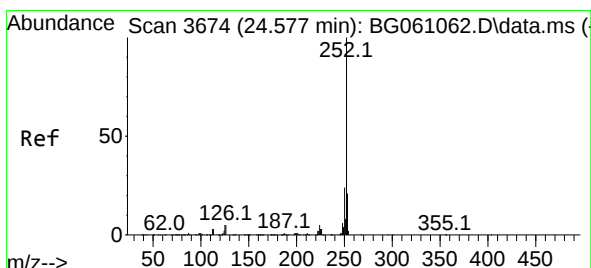
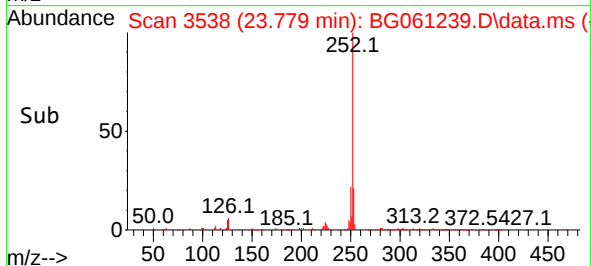
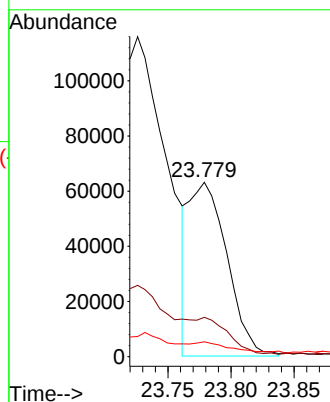
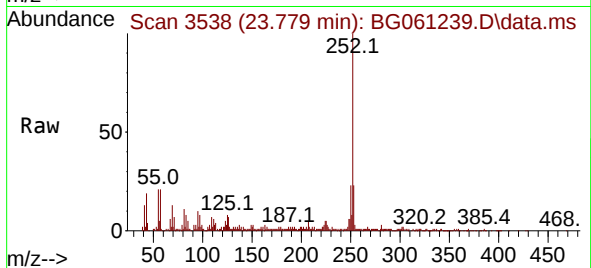
Tgt Ion:252 Resp: 13223

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	8.5	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#90

Benzo(a)pyrene

Concen: 20.734 ng

RT: 24.560 min Scan# 3671

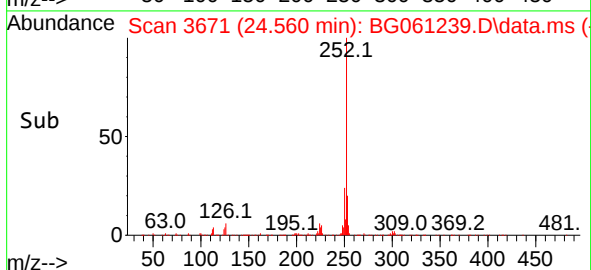
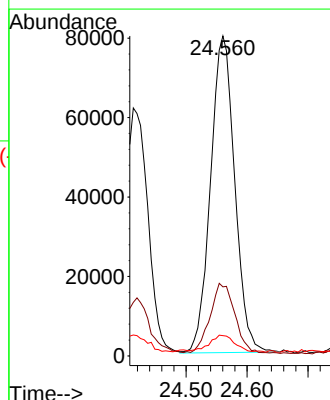
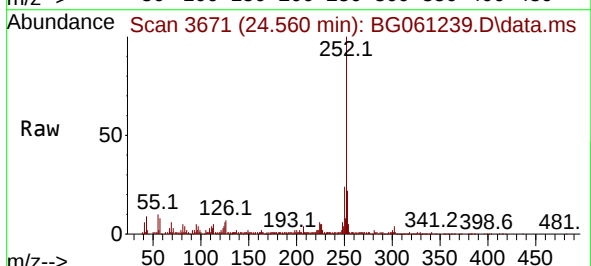
Delta R.T. -0.017 min

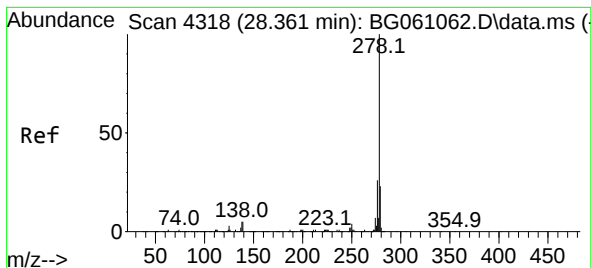
Lab File: BG061239.D

Acq: 17 May 2024 15:10

Tgt Ion:252 Resp: 219654

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.9	25.3
125	6.3	3.8	5.8





#91

Dibenzo(a,h)anthracene

Concen: 3.133 ng m

RT: 28.309 min Scan# 41

Delta R.T. -0.052 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Instrument :

BNA_G

ClientSampleId :

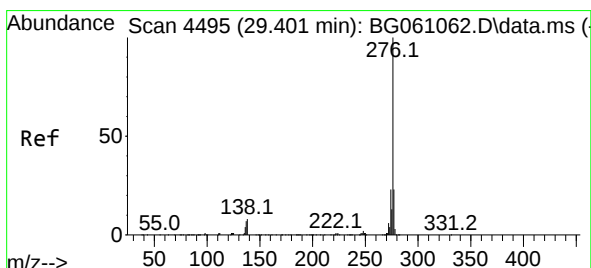
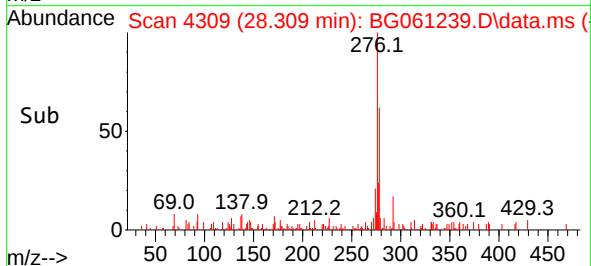
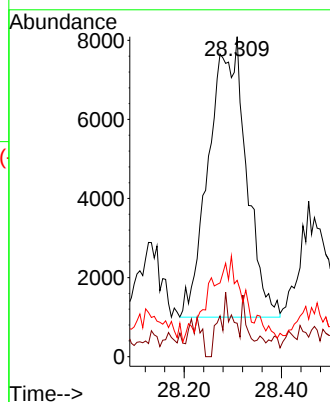
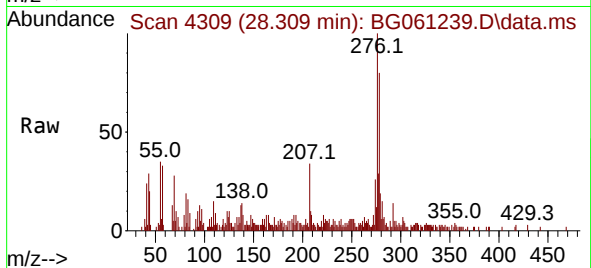
CHRT-28452

Tgt Ion:	278	Resp:	37414
Ion Ratio	Lower	Upper	
278	100		
139	10.5	4.2	6.2
279	23.9	18.0	27.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#92

Benzo(g,h,i)perylene

Concen: 12.776 ng

RT: 29.360 min Scan# 4488

Delta R.T. -0.040 min

Lab File: BG061239.D

Acq: 17 May 2024 15:10

Tgt Ion:	276	Resp:	151622
Ion Ratio	Lower	Upper	
276	100		
277	27.0	18.2	27.4
138	10.4	6.2	9.2

