

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031924\
 Data File : BG060679.D
 Acq On : 19 Mar 2024 13:23
 Operator : MA/JU
 Sample : P1616-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 196-BAY-AVENUE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024
 Supervised By :mohammad ahmed 03/21/2024

Quant Time: Mar 19 14:52:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 18 14:26:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.289	152	93757	20.000	ng	0.00
21) Naphthalene-d8	11.133	136	432052	20.000	ng	0.00
39) Acenaphthene-d10	14.922	164	306418	20.000	ng	0.00
64) Phenanthrene-d10	17.672	188	656009	20.000	ng	0.00
76) Chrysene-d12	21.985	240	594807	20.000	ng	0.00
86) Perylene-d12	25.522	264	727419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.774	112	439333	73.661	ng	0.00
7) Phenol-d6	7.408	99	749029	86.575	ng	0.00
23) Nitrobenzene-d5	9.488	82	431709	52.002	ng	0.00
42) 2,4,6-Tribromophenol	16.403	330	248866	70.088	ng	0.00
45) 2-Fluorobiphenyl	13.542	172	1047731	46.230	ng	0.00
79) Terphenyl-d14	20.251	244	1496184	45.467	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.186	128	53168	2.203	ng	# 93
71) Phenanthrene	17.713	178	389035	11.009	ng	99
72) Anthracene	17.801	178	74765	2.093	ng	94
75) Fluoranthene	19.705	202	430094	11.003	ng	98
78) Pyrene	20.069	202	376518	9.071	ng	97
81) Benzo(a)anthracene	21.961	228	177948	4.345	ng	97
83) Chrysene	22.032	228	161155	4.053	ng	98
84) Bis(2-ethylhexyl)phtha...	21.803	149	123373	5.322	ng	97
88) Benzo(b)fluoranthene	24.376	252	203406	5.083	ng	# 95
89) Benzo(k)fluoranthene	24.446	252	86282m	2.052	ng	
90) Benzo(a)pyrene	25.345	252	147899	3.770	ng	# 97
92) Benzo(g,h,i)perylene	30.904	276	93522	2.293	ng	93

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

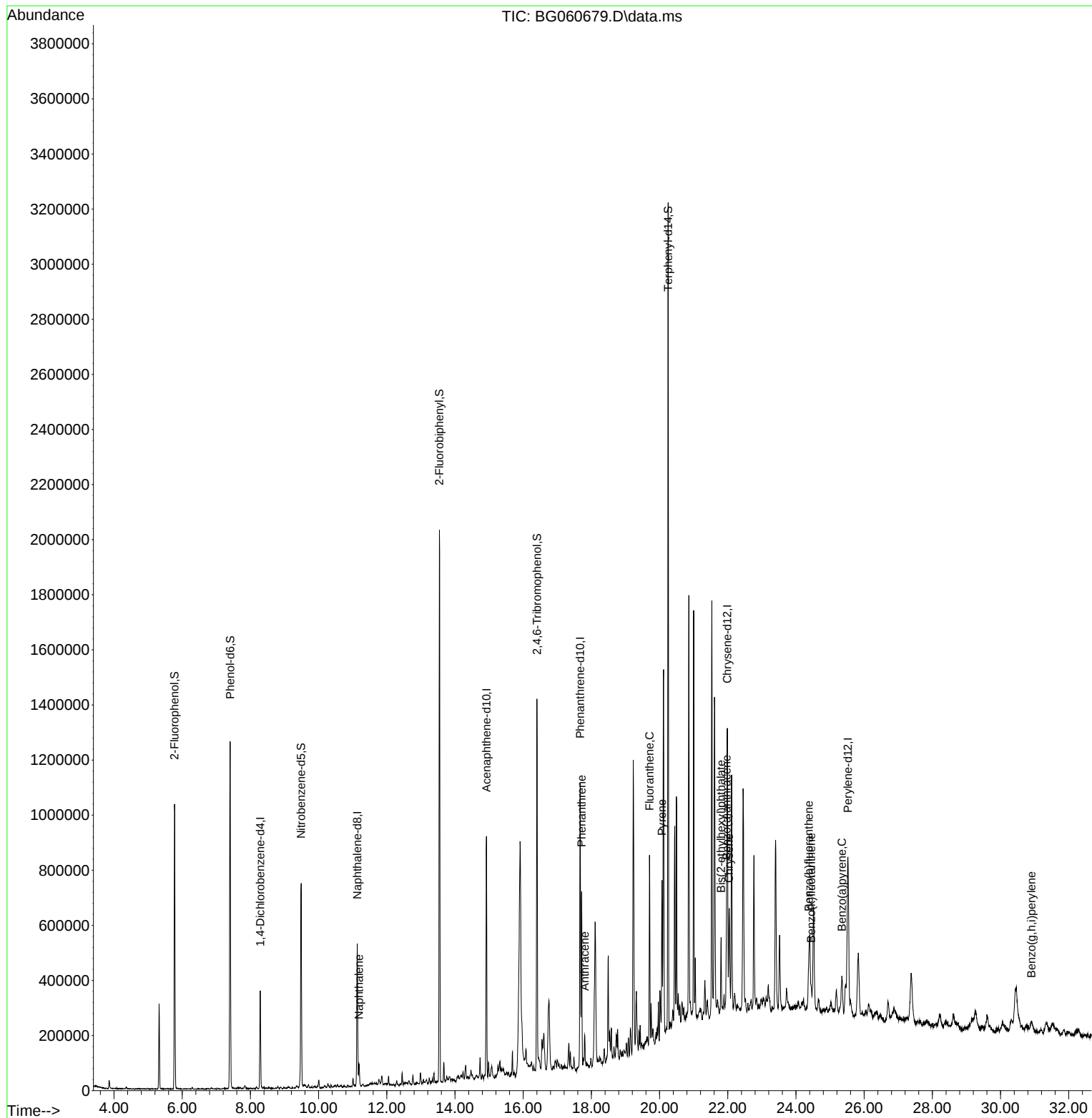
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031924\
Data File : BG060679.D
Acq On : 19 Mar 2024 13:23
Operator : MA/JU
Sample : P1616-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

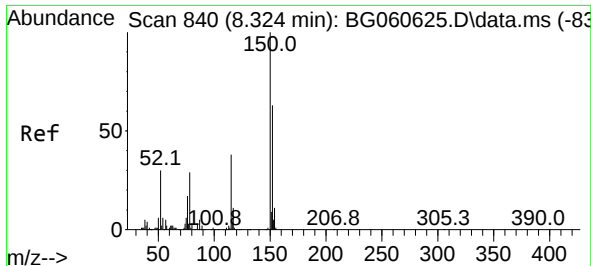
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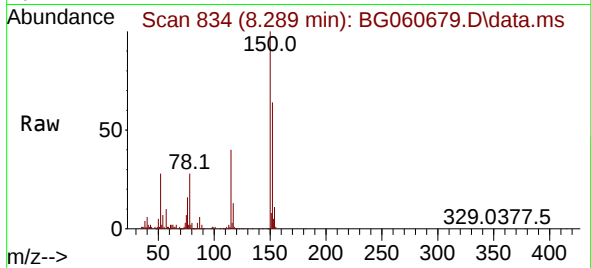
Quant Time: Mar 19 14:52:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 18 14:26:31 2024
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.289 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BG060679.D
 Acq: 19 Mar 2024 13:23

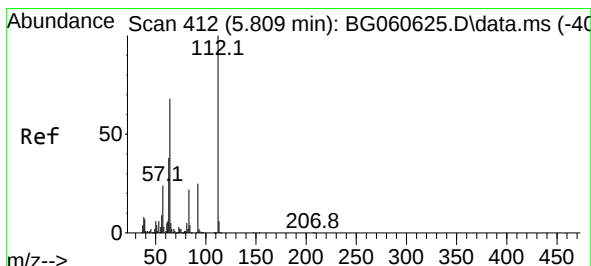
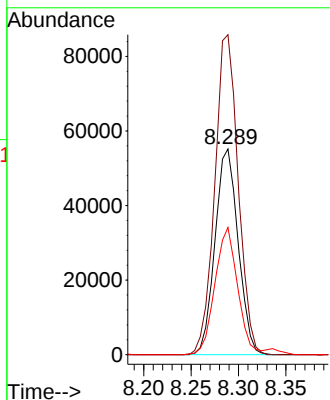
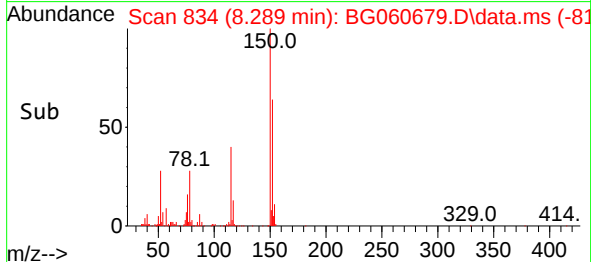
Instrument :
 BNA_G
 ClientSampleId :
 196-BAY-AVENUE



Tgt Ion:152 Resp: 9375
 Ion Ratio Lower Upper
 152 100
 150 155.5 126.6 190.0
 115 61.8 47.8 71.8

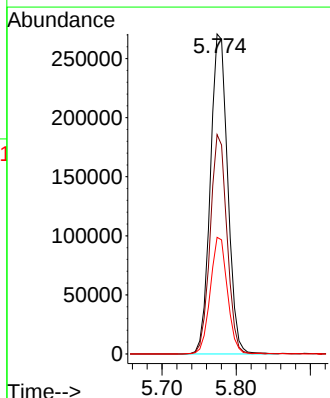
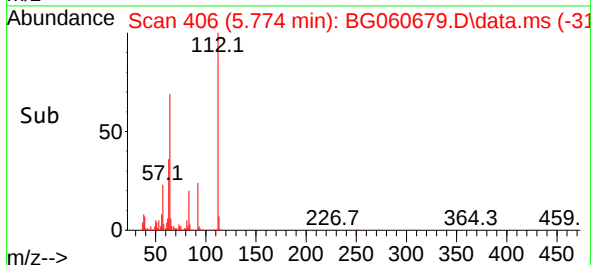
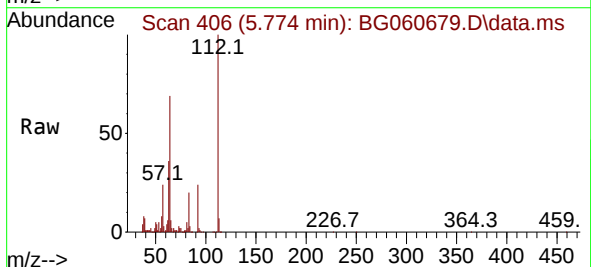
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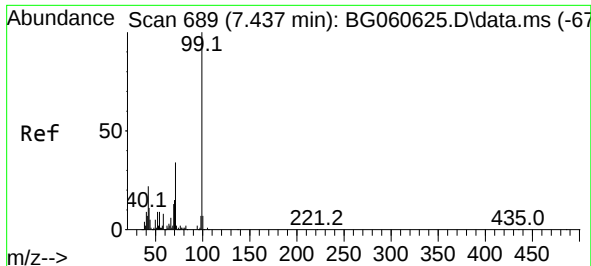
Reviewed By :Jagrut Upadhyay 03/20/2024
 Supervised By :mohammad ahmed 03/21/2024



#5
 2-Fluorophenol
 Concen: 73.661 ng
 RT: 5.774 min Scan# 406
 Delta R.T. -0.005 min
 Lab File: BG060679.D
 Acq: 19 Mar 2024 13:23

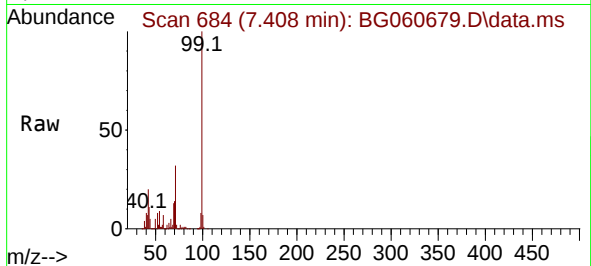
Tgt Ion:112 Resp: 439333
 Ion Ratio Lower Upper
 112 100
 64 68.6 54.1 81.1
 63 36.4 30.3 45.5





#7
Phenol-d6
Concen: 86.575 ng
RT: 7.408 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

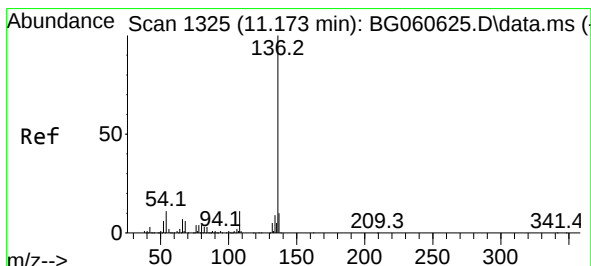
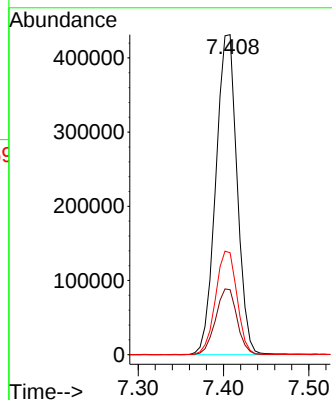
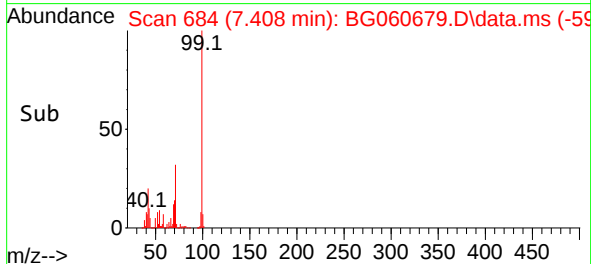
Instrument :
BNA_G
ClientSampleId :
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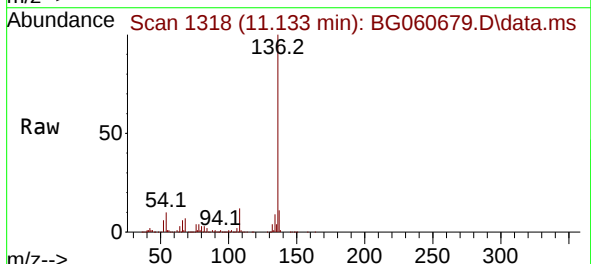
Tgt Ion: 99 Resp: 749029
Ion Ratio Lower Upper
99 100
42 20.3 17.5 26.3
71 31.9 27.4 41.0

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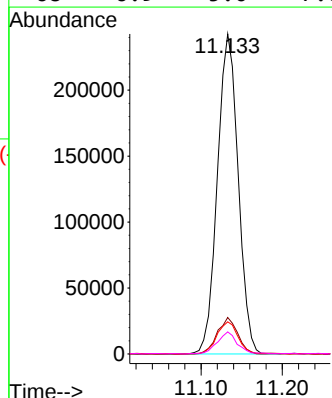
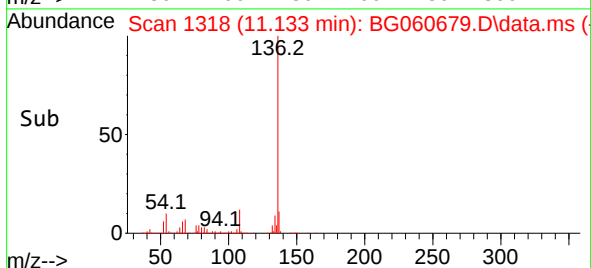
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024

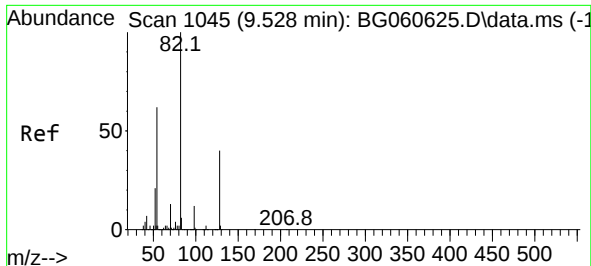


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.133 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23



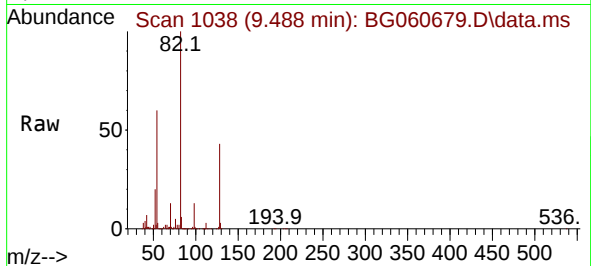
Tgt Ion:136 Resp: 432052
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 10.0 8.5 12.7
68 6.9 5.0 7.6





#23
Nitrobenzene-d5
Concen: 52.002 ng
RT: 9.488 min Scan# 1038
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

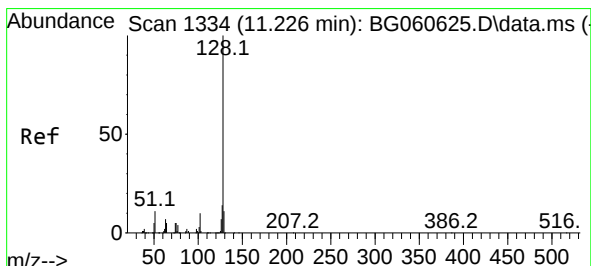
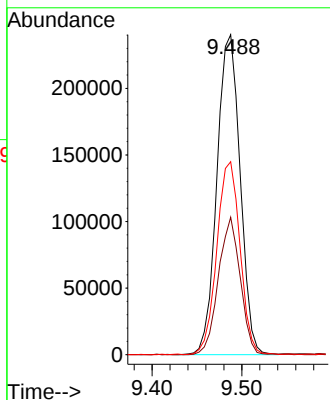
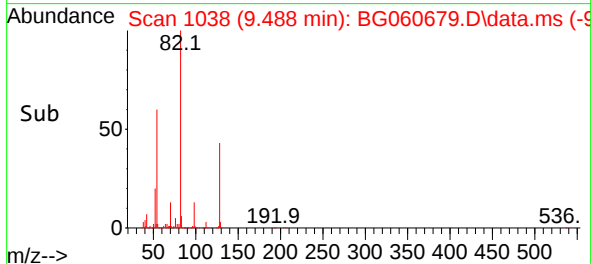
Instrument :
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ClientSampleId :
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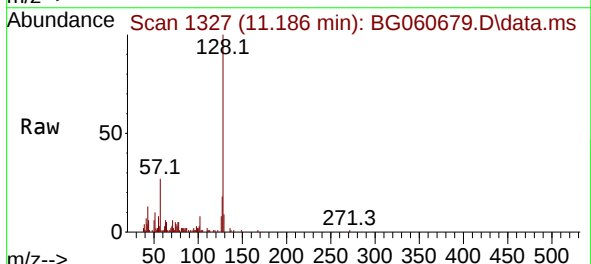
Tgt Ion: 82 Resp: 431709
Ion Ratio Lower Upper
82 100
128 42.9 31.6 47.4
54 60.3 49.3 73.9

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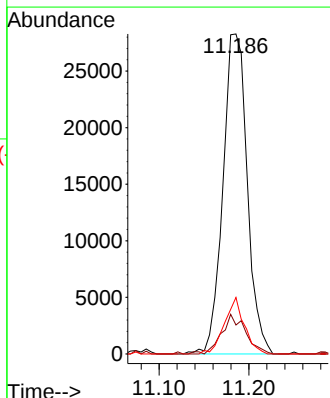
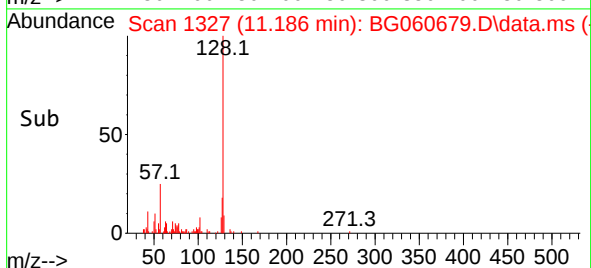
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024

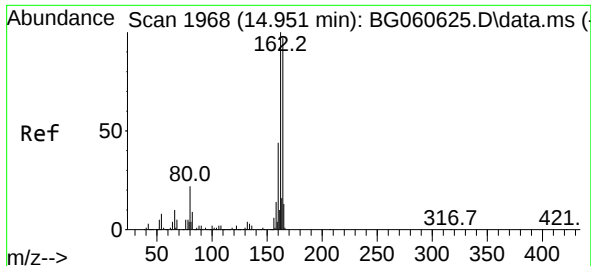


#31
Naphthalene
Concen: 2.203 ng
RT: 11.186 min Scan# 1327
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23



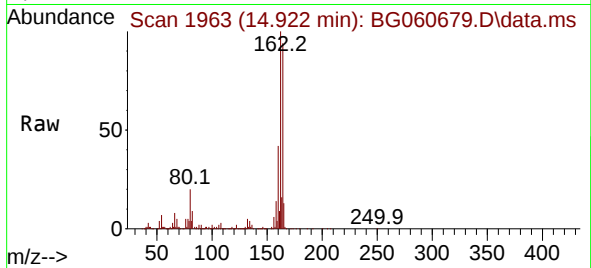
Tgt Ion:128 Resp: 53168
Ion Ratio Lower Upper
128 100
129 9.1 8.6 12.8
127 17.7 11.0 16.4#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.922 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

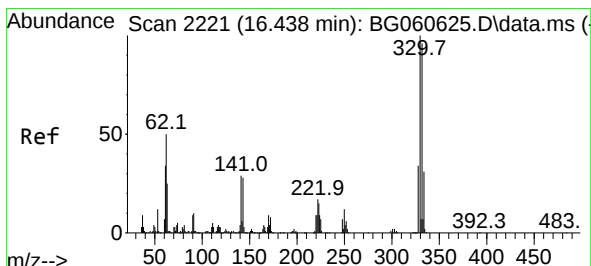
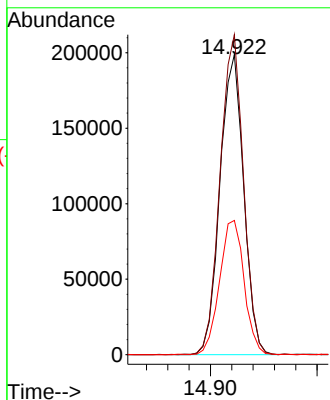
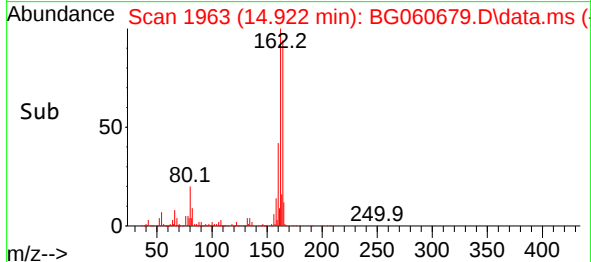
Instrument :
BNA_G
ClientSampleId :
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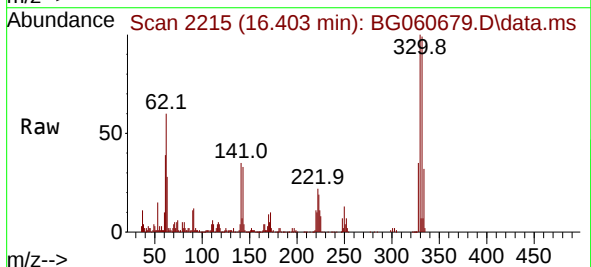
Tgt Ion:164 Resp: 306418
Ion Ratio Lower Upper
164 100
162 106.6 82.5 123.7
160 44.7 36.4 54.6

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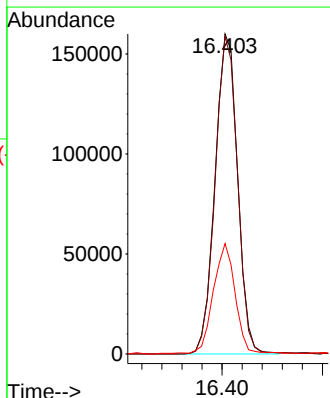
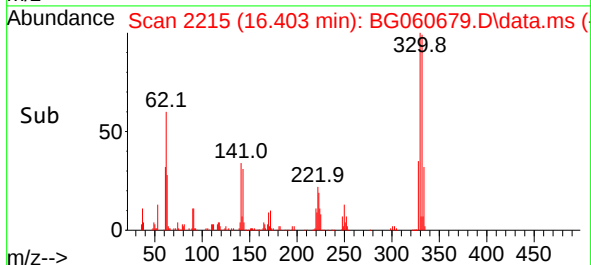
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024

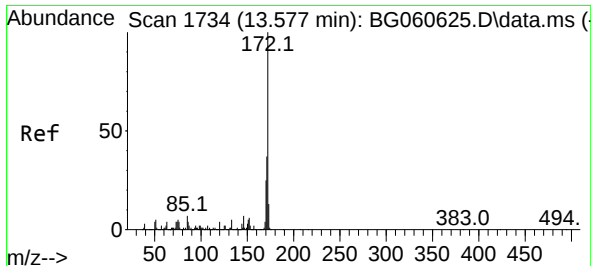


#42
2,4,6-Tribromophenol
Concen: 70.088 ng
RT: 16.403 min Scan# 2215
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23



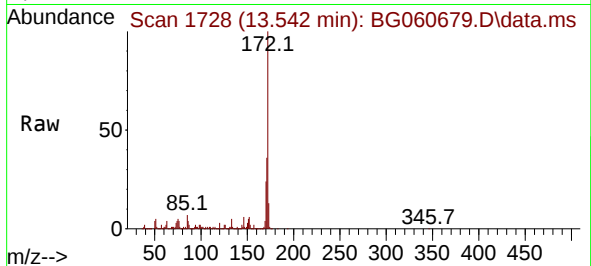
Tgt Ion:330 Resp: 248866
Ion Ratio Lower Upper
330 100
332 98.5 77.8 116.8
141 34.0 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 46.230 ng
RT: 13.542 min Scan# 1728
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

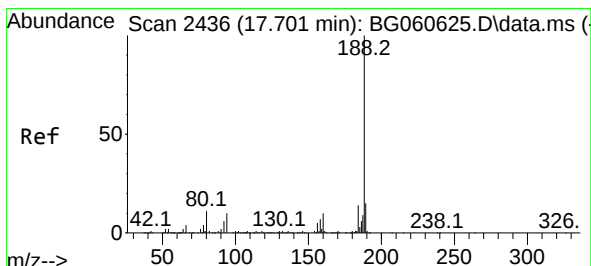
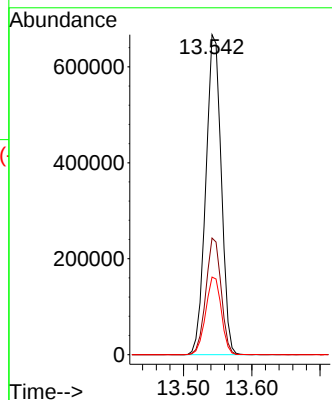
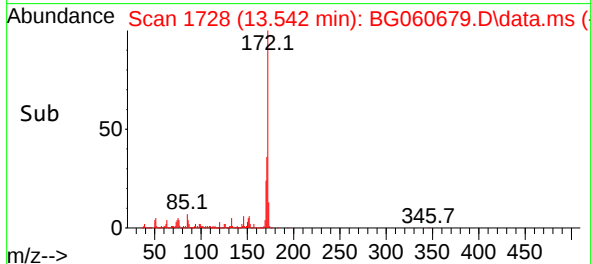
Instrument :
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Tgt Ion:172 Resp: 104773
Ion Ratio Lower Upper
172 100
171 36.5 29.9 44.9
170 24.2 19.8 29.6

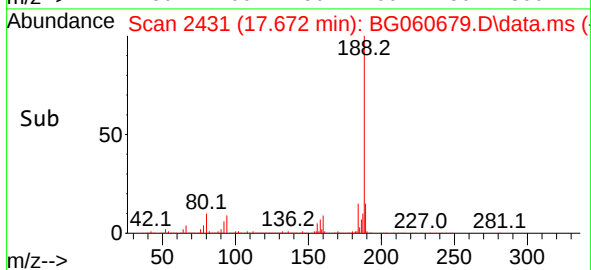
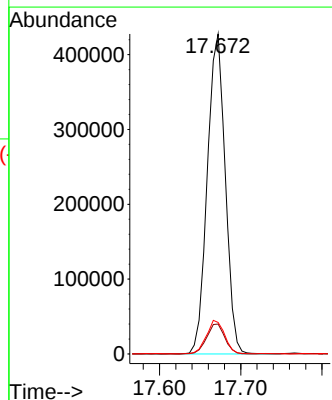
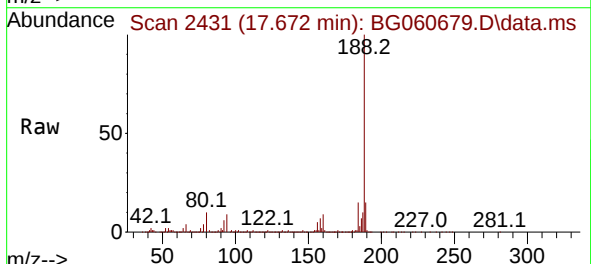
Manual Integrations
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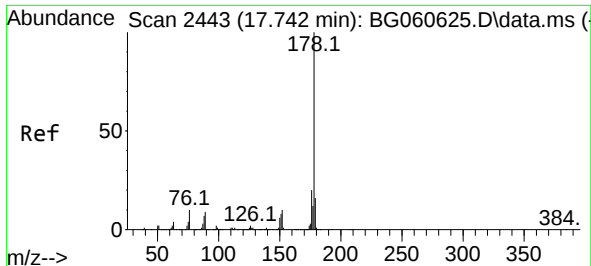
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.672 min Scan# 2431
Delta R.T. 0.001 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

Tgt Ion:188 Resp: 656009
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 9.9 8.6 13.0





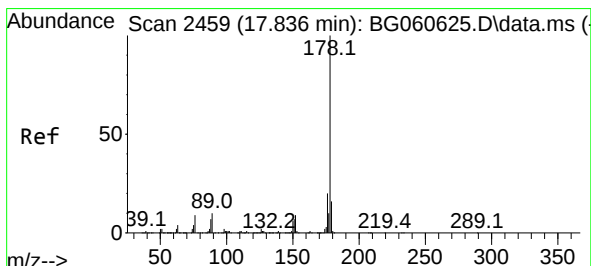
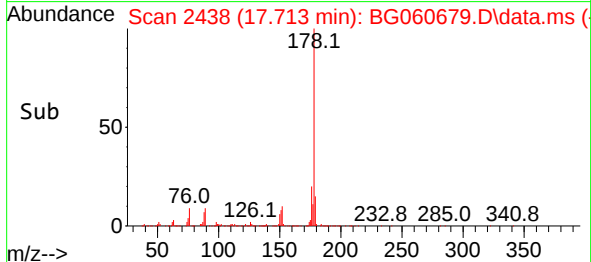
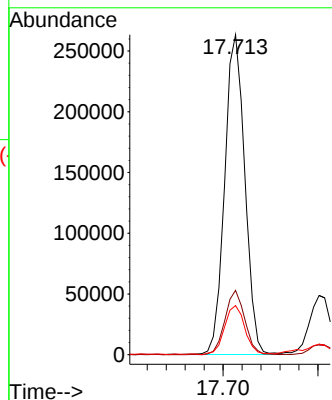
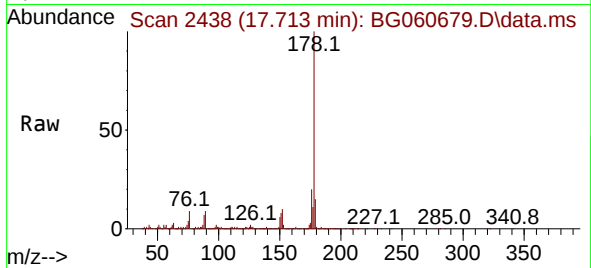
#71
Phenanthrene
Concen: 11.009 ng
RT: 17.713 min Scan# 2443
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

Instrument :
BNA_G
ClientSampleId :
196-BAY-AVENUE

Tgt Ion:178 Resp: 389035
Ion Ratio Lower Upper
178 100
176 20.1 16.1 24.1
179 15.4 12.9 19.3

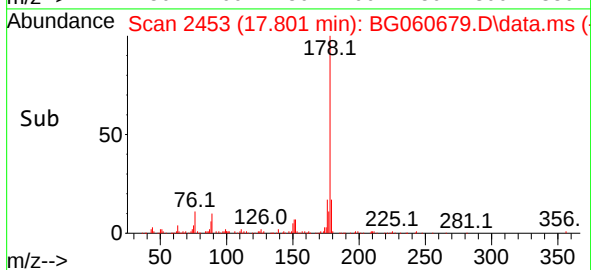
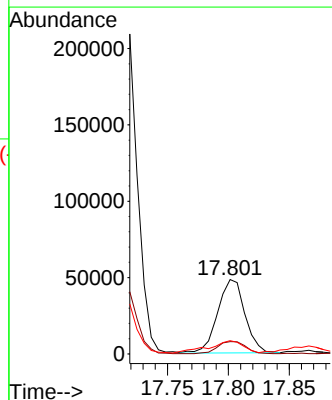
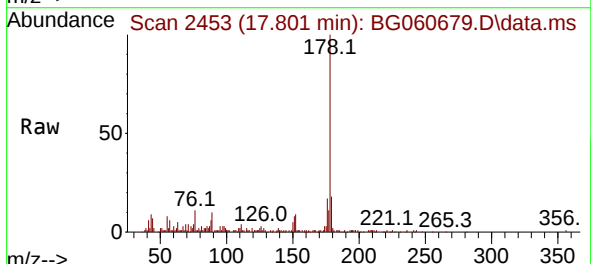
Manual Integrations
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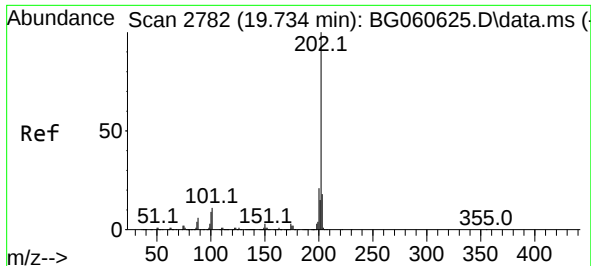
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#72
Anthracene
Concen: 2.093 ng
RT: 17.801 min Scan# 2453
Delta R.T. -0.011 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

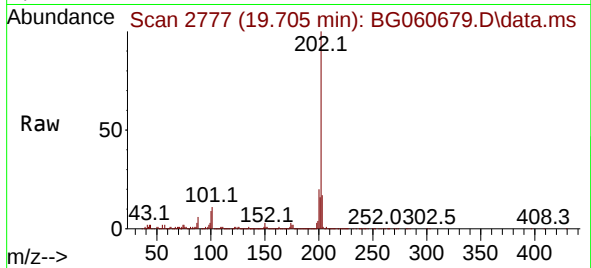
Tgt Ion:178 Resp: 74765
Ion Ratio Lower Upper
178 100
176 16.6 15.8 23.6
179 17.9 12.6 19.0





#75
Fluoranthene
Concen: 11.003 ng
RT: 19.705 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

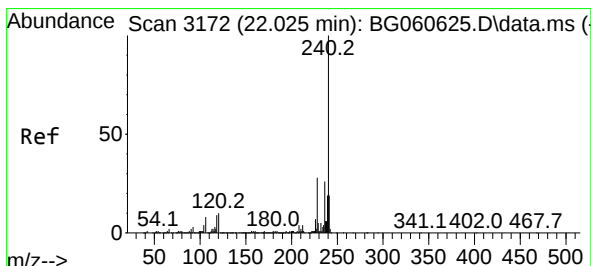
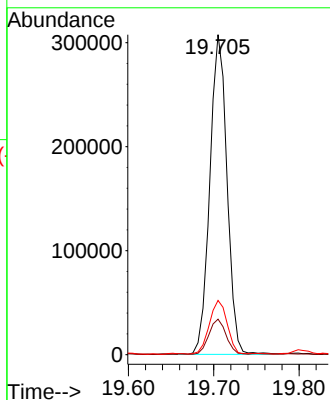
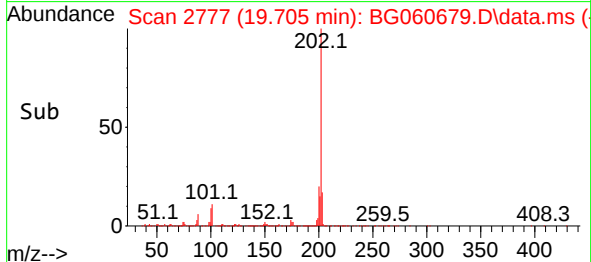
Instrument :
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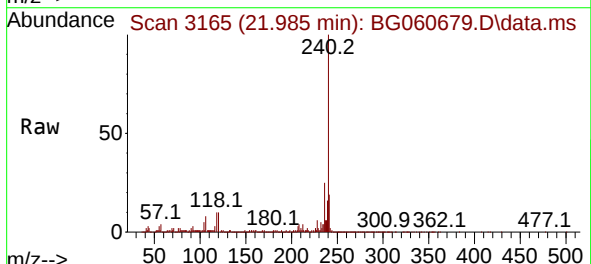
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Ion Ratio Lower Upper
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101 11.1 0.0 31.2
203 17.0 0.0 38.0

Manual Integrations
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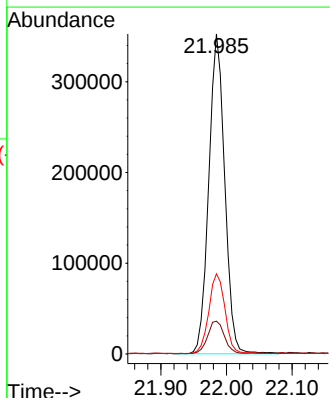
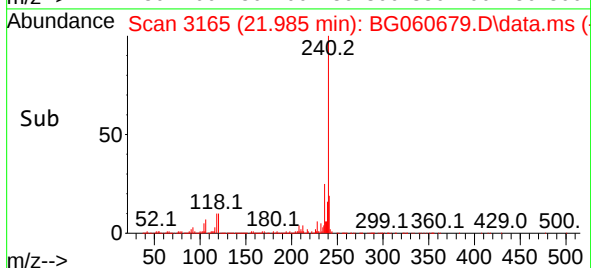
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024

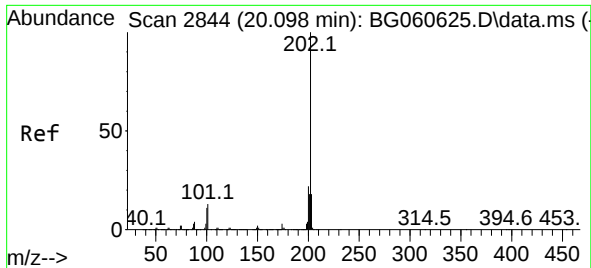


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.985 min Scan# 3165
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23



Tgt Ion:240 Resp: 594807
Ion Ratio Lower Upper
240 100
120 10.2 7.8 11.8
236 25.0 20.6 31.0





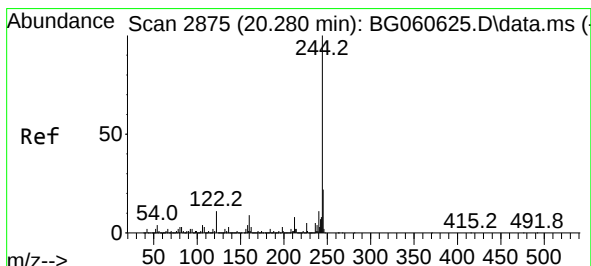
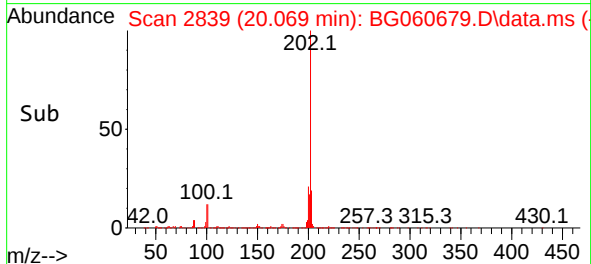
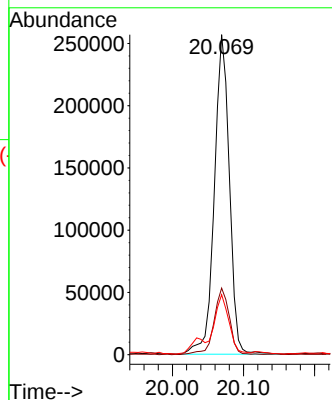
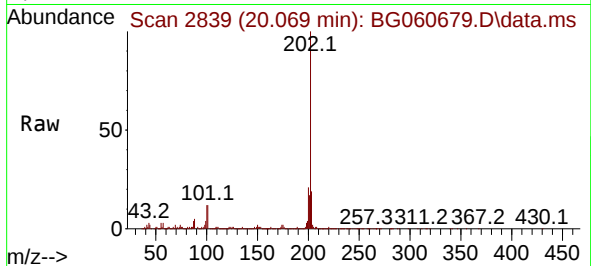
#78
Pyrene
Concen: 9.071 ng
RT: 20.069 min Scan# 2839
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

Instrument :
BNA_G
ClientSampleId :
196-BAY-AVENUE

Tgt Ion:202 Resp: 376518
Ion Ratio Lower Upper
202 100
200 20.8 17.9 26.9
203 18.7 14.3 21.5

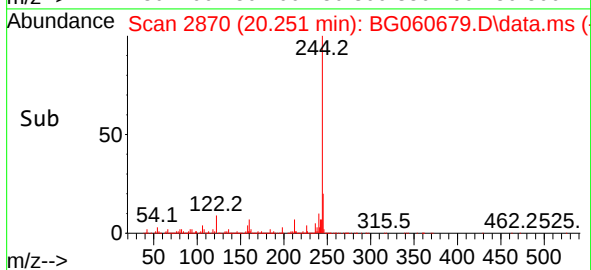
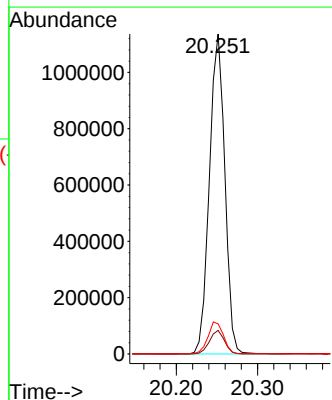
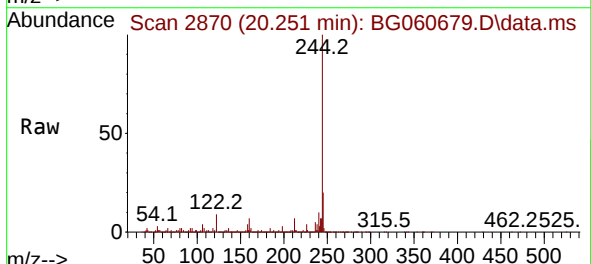
Manual Integrations
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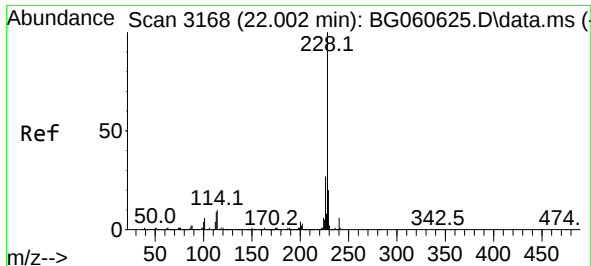
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#79
Terphenyl-d14
Concen: 45.467 ng
RT: 20.251 min Scan# 2870
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

Tgt Ion:244 Resp: 1496184
Ion Ratio Lower Upper
244 100
212 7.3 6.6 9.8
122 9.4 8.5 12.7





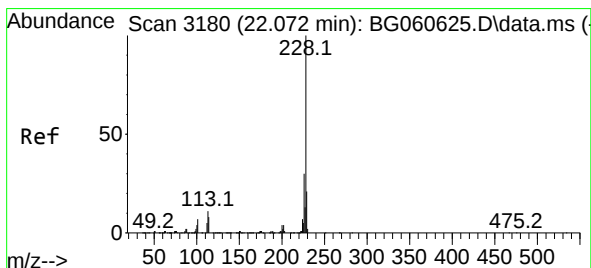
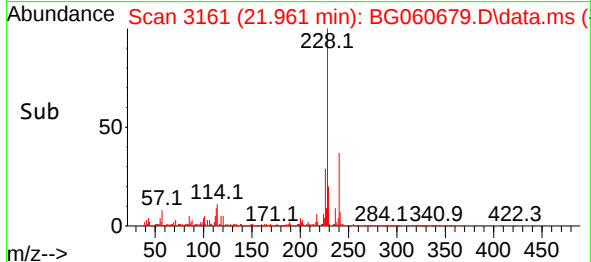
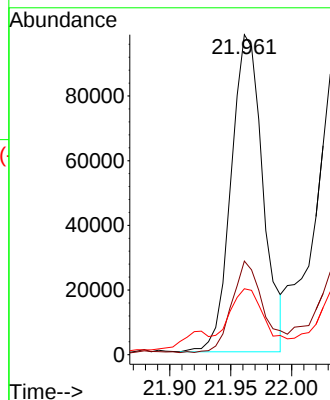
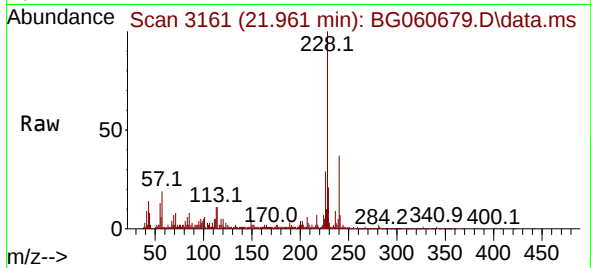
#81
Benzo(a)anthracene
Concen: 4.345 ng
RT: 21.961 min Scan# 3168
Delta R.T. -0.011 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

Instrument :
BNA_G
ClientSampleId :
196-BAY-AVENUE

Tgt Ion:228 Resp: 177948
Ion Ratio Lower Upper
228 100
226 29.3 21.8 32.8
229 20.6 15.8 23.6

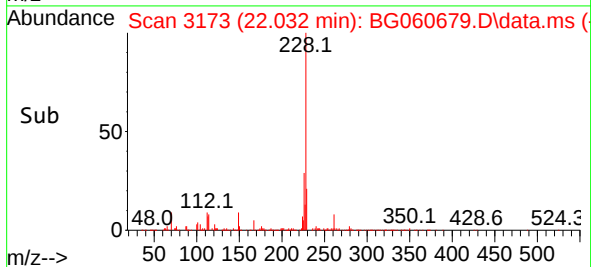
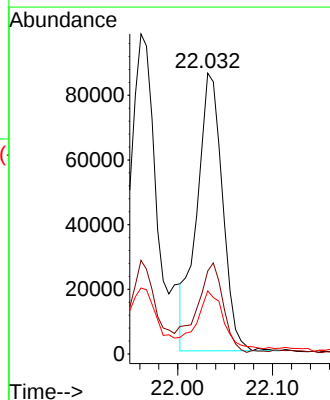
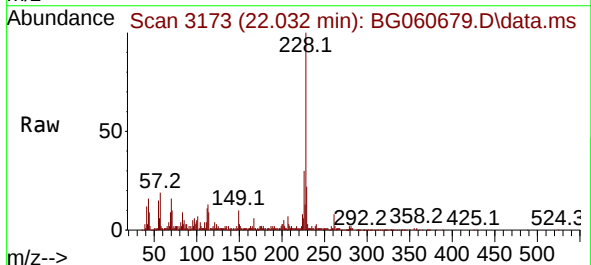
Manual Integrations
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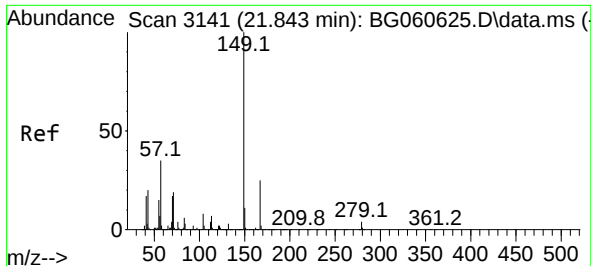
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#83
Chrysene
Concen: 4.053 ng
RT: 22.032 min Scan# 3173
Delta R.T. -0.011 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

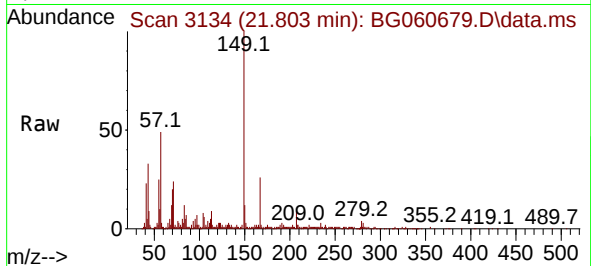
Tgt Ion:228 Resp: 161155
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 22.5 16.4 24.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.322 ng
RT: 21.803 min Scan# 3141
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

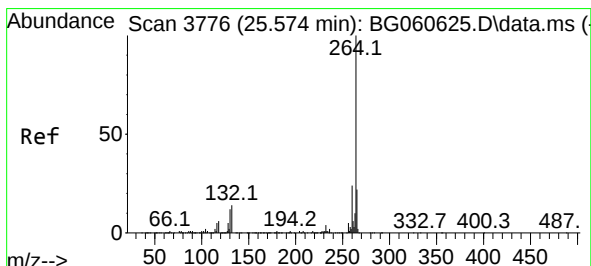
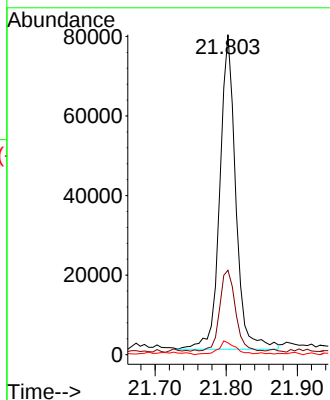
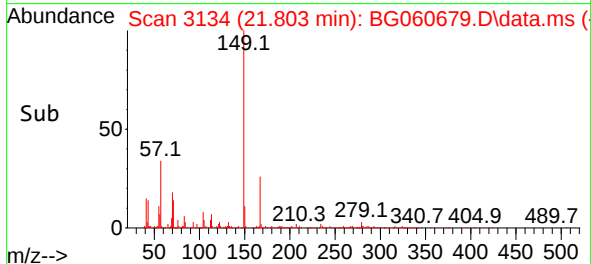
Instrument :
BNA_G
ClientSampleId :
196-BAY-AVENUE



Tgt Ion:149 Resp: 12337
Ion Ratio Lower Upper
149 100
167 26.4 19.9 29.9
279 3.7 3.0 4.6

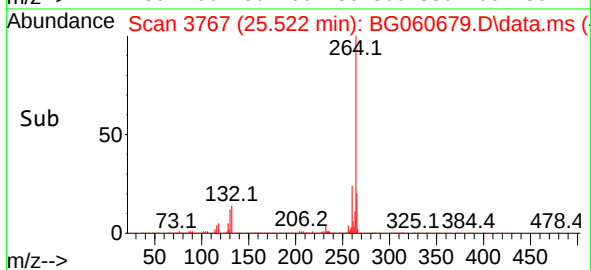
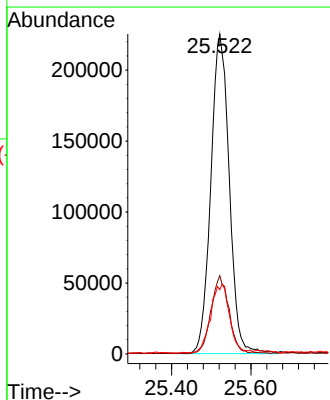
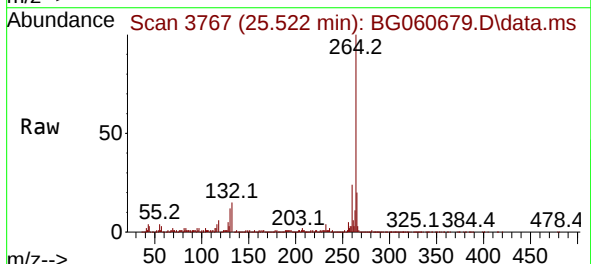
Manual Integrations
APPROVED

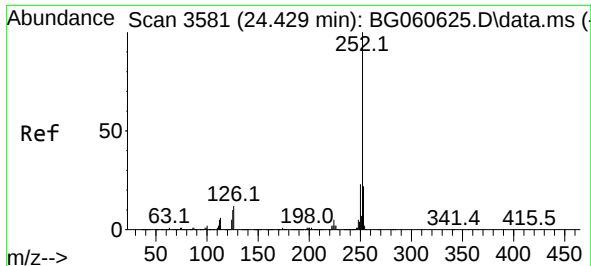
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.522 min Scan# 3767
Delta R.T. -0.005 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

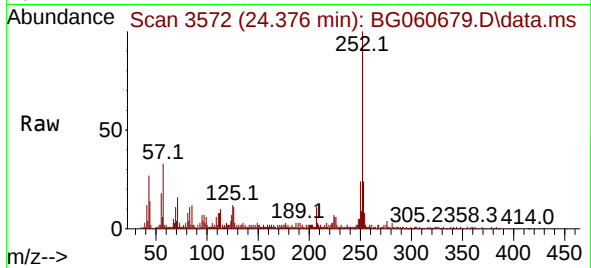
Tgt Ion:264 Resp: 727419
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 20.1 18.1 27.1





#88
Benzo(b)fluoranthene
Concen: 5.083 ng
RT: 24.376 min Scan# 3572
Delta R.T. -0.011 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

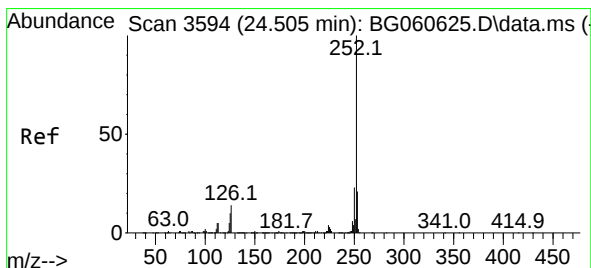
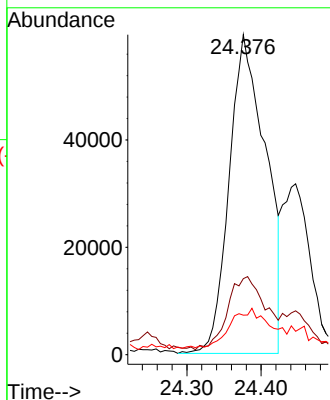
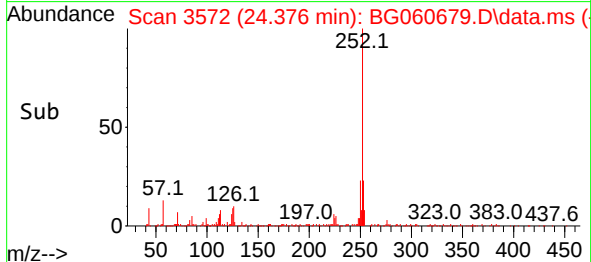
Instrument :
BNA_G
ClientSampleId :
196-BAY-AVENUE



Tgt Ion:252 Resp: 203400
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 12.3 7.8 11.6

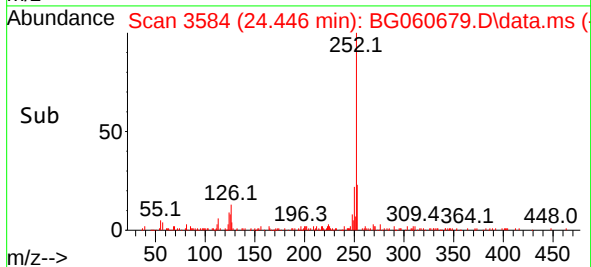
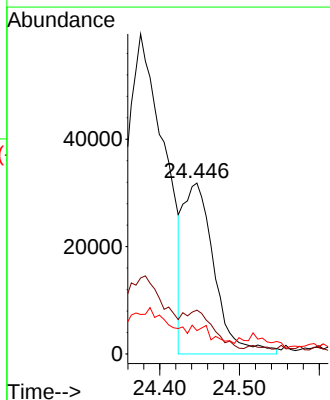
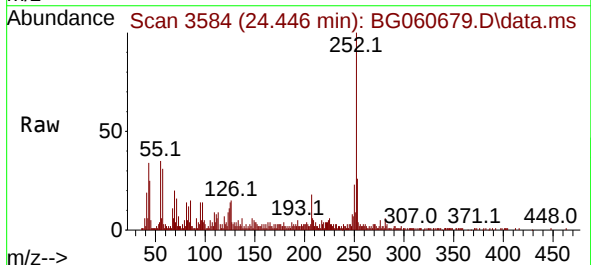
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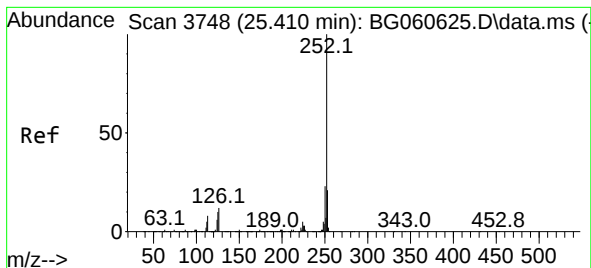
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#89
Benzo(k)fluoranthene
Concen: 2.052 ng m
RT: 24.446 min Scan# 3584
Delta R.T. -0.011 min
Lab File: BG060679.D
Acq: 19 Mar 2024 13:23

Tgt Ion:252 Resp: 86282
Ion Ratio Lower Upper
252 100
253 25.7 17.1 25.7#
125 13.6 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 3.770 ng

RT: 25.345 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG060679.D

Acq: 19 Mar 2024 13:23

Instrument :

BNA_G

ClientSampleId :

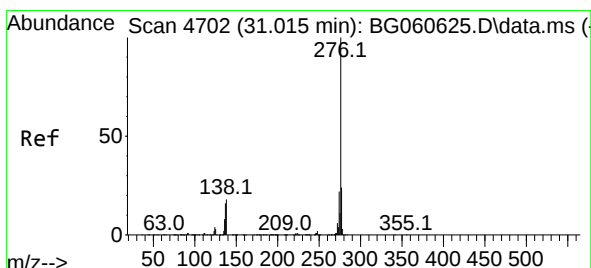
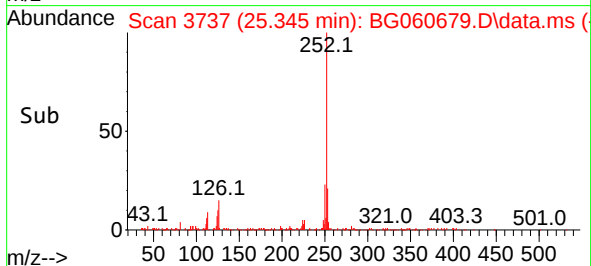
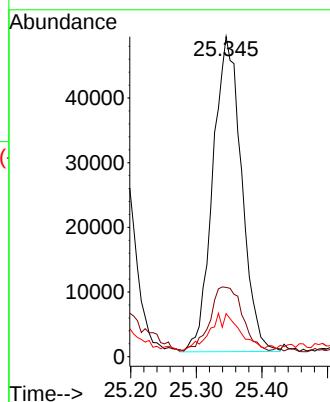
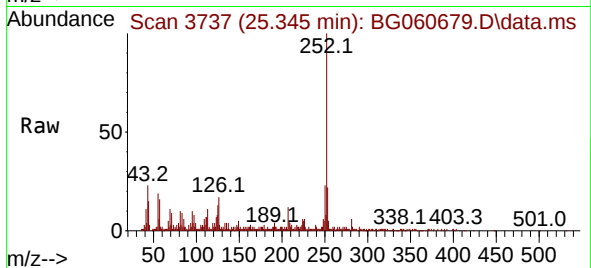
196-BAY-AVENUE

Tgt Ion:252	Resp:	14789
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.0 25.6
125	13.4	8.2 12.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#92

Benzo(g,h,i)perylene

Concen: 2.293 ng

RT: 30.904 min Scan# 4683

Delta R.T. -0.034 min

Lab File: BG060679.D

Acq: 19 Mar 2024 13:23

Tgt Ion:276	Resp:	93522
Ion Ratio	Lower	Upper
276	100	
277	27.9	19.0 28.4
138	19.7	14.4 21.6

