

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061379.D
 Acq On : 31 May 2024 4:47
 Operator : MA/JU
 Sample : P2570-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6B4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 31 05:28:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.876	152	37656	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	141497	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.509	164	102779	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.259	188	232141	20.000	ng/u1	0.00
79) Chrysene-d12	21.513	240	243892	20.000	ng/u1	0.00
88) Perylene-d12	24.591	264	276913	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	2098	3.118	ng/uL	0.01
4) Pyridine-d5	3.745	84	36972	15.445	ng/u1	0.00
7) Phenol-d5	7.059	99	59134	19.123	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.200	67	37378	19.231	ng/u1	0.00
11) 2-Chlorophenol-d4	7.411	132	49552	21.652	ng/u1	0.00
15) 4-Methylphenol-d8	8.592	113	45614	17.299	ng/u1	0.00
21) Nitrobenzene-d5	9.027	128	25719	23.608	ng/u1	0.00
24) 2-Nitrophenol-d4	9.750	143	29227	22.923	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.302	165	61420	24.710	ng/u1	0.00
31) 4-Chloroaniline-d4	10.802	131	54311	16.701	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	198172	24.861	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	215129	25.959	ng/u1	0.00
54) 4-Nitrophenol-d4	14.744	143	19555	19.842	ng/u1	0.00
60) Fluorene-d10	15.502	176	176357	25.625	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.637	200	27589	19.650	ng/u1	0.00
73) Anthracene-d10	17.359	188	281368	27.492	ng/u1	0.00
81) Pyrene-d10	19.650	212	337035	26.914	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.386	264	365342	27.443	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.713	128	8966	1.201	ng/u1	100
52) Acenaphthene	14.574	153	9988	1.657	ng/u1	95
56) Dibenzofuran	14.909	168	10011	1.161	ng/u1	92
61) Fluorene	15.555	166	8158	1.094	ng/u1	84
72) Phenanthrene	17.300	178	227988	20.235	ng/u1	98
74) Anthracene	17.388	178	27104	2.327	ng/u1	97
77) Carbazole	17.664	167	22675	2.393	ng/u1	99
80) Fluoranthene	19.315	202	420475	27.989	ng/u1	99
82) Pyrene	19.679	202	372482	23.887	ng/u1	99
85) Benzo(a)anthracene	21.495	228	213365	12.679	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.407	149	25102	3.166	ng/u1#	99
87) Chrysene	21.554	228	242077	15.622	ng/u1	95
90) Benzo(b)fluoranthene	23.622	252	332560	20.171	ng/u1	100
91) Benzo(k)fluoranthene	23.681	252	119598m	7.146	ng/u1	
93) Benzo(a)pyrene	24.450	252	232733	14.866	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.093	276	165091	8.720	ng/u1	98
95) Dibenzo(a,h)anthracene	28.117	278	42219m	2.704	ng/u1	
96) Benzo(g,h,i)perylene	29.180	276	157485m	10.456	ng/u1	

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

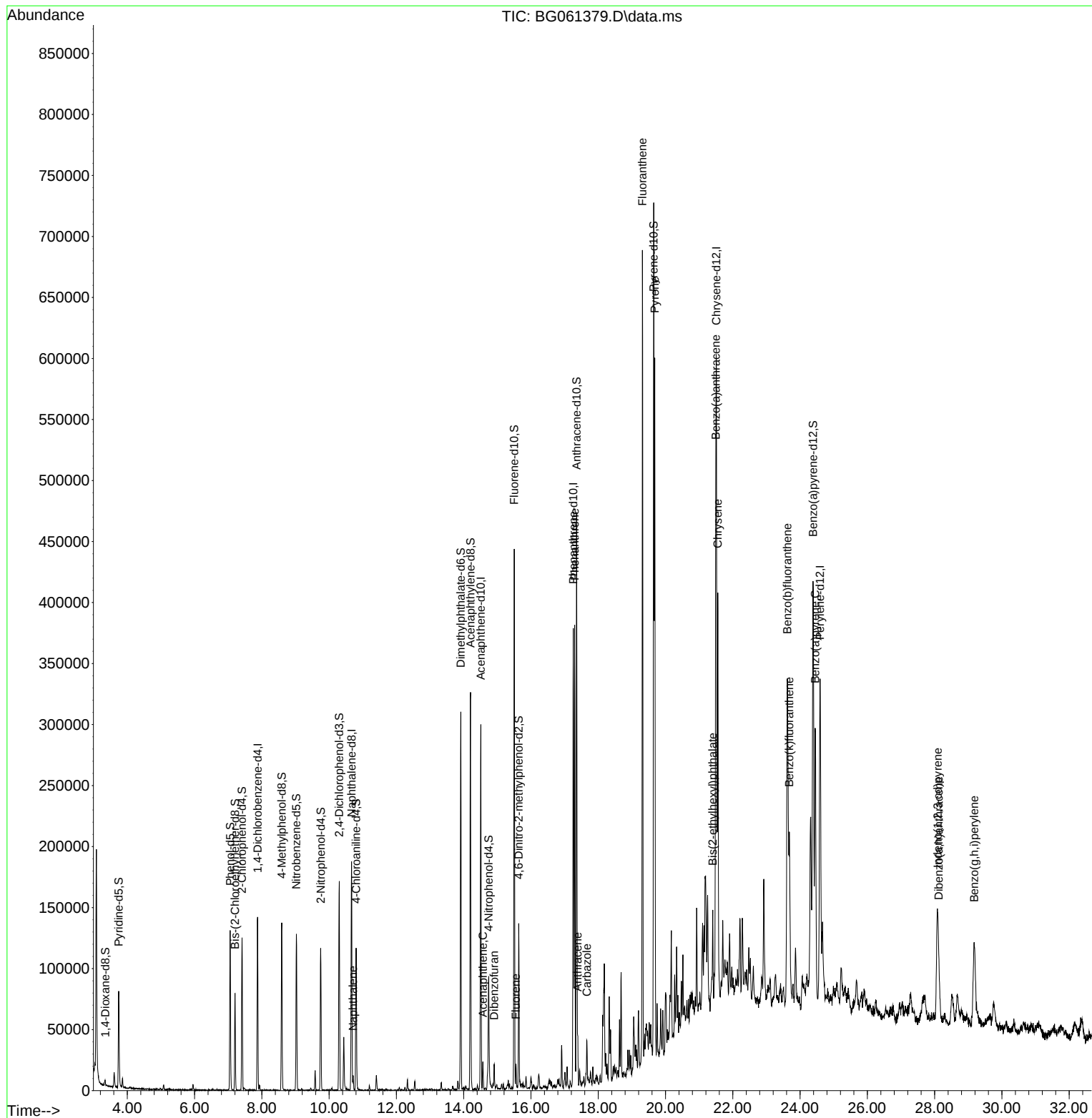
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
Data File : BG061379.D
Acq On : 31 May 2024 4:47
Operator : MA/JU
Sample : P2570-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

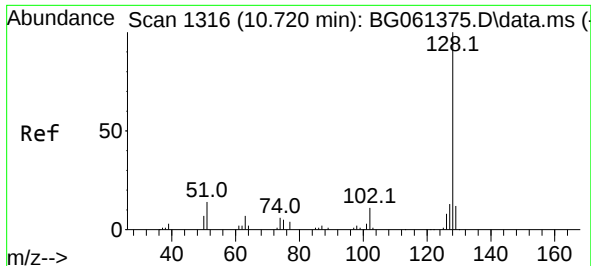
Instrument :
BNA_G
ClientSampleId :
BH6B4

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Supervised By :mohammad ahmed 06/01/2024

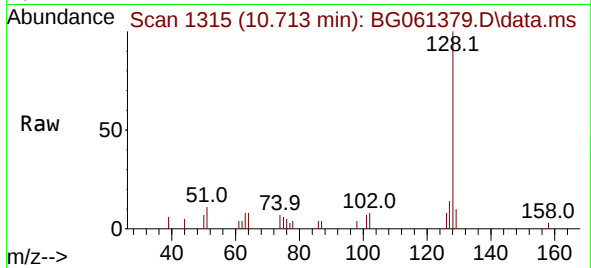
Quant Time: May 31 05:28:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.201 ng/ul
RT: 10.713 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47

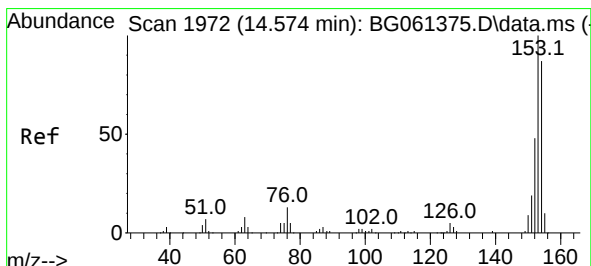
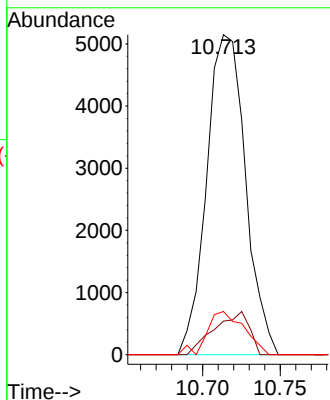
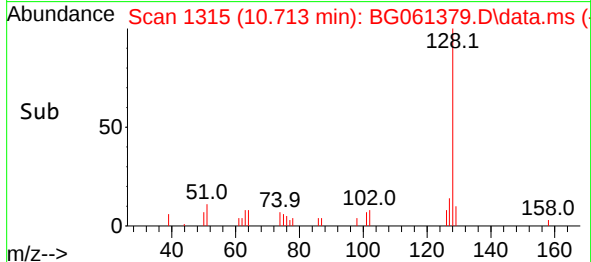
Instrument :
BNA_G
ClientSampleId :
BH6B4



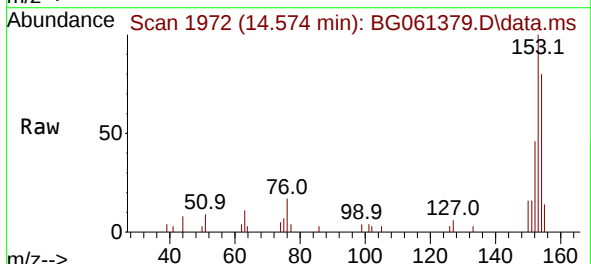
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Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 13.5 10.8 16.2

Manual Integrations
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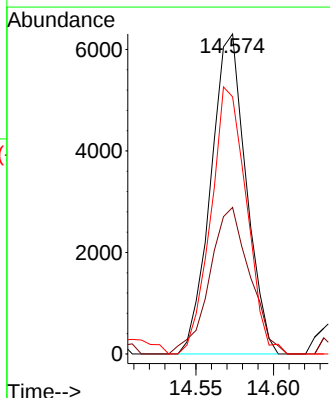
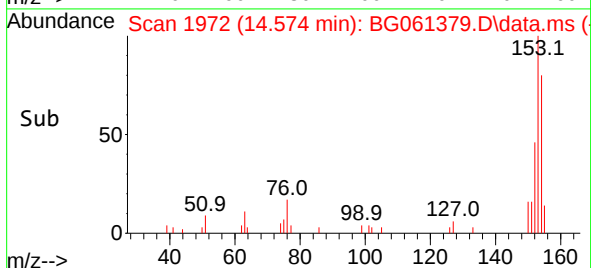
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

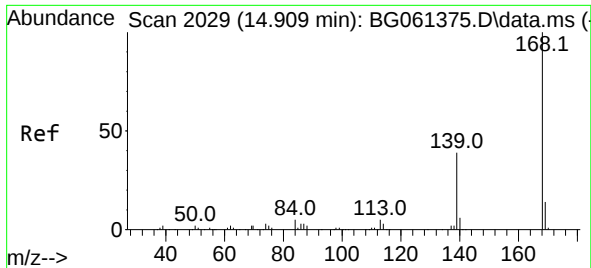


#52
Acenaphthene
Concen: 1.657 ng/ul
RT: 14.574 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47



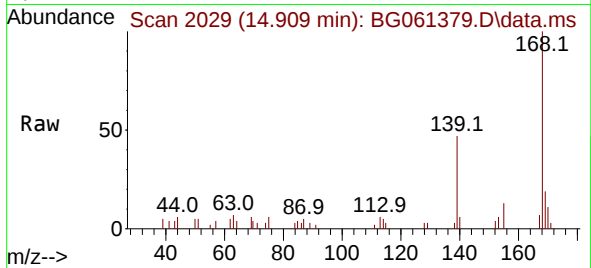
Tgt Ion:153 Resp: 9988
Ion Ratio Lower Upper
153 100
152 45.8 37.8 56.8
154 80.4 69.0 103.6





#56
Dibenzofuran
Concen: 1.161 ng/ul
RT: 14.909 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47

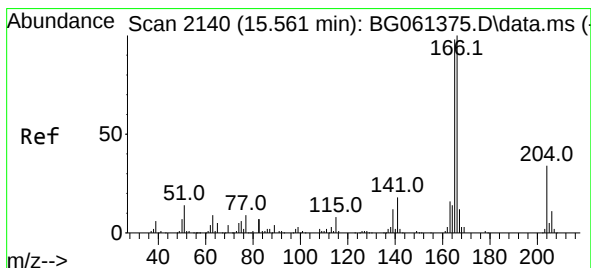
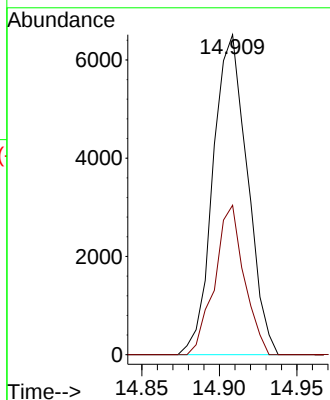
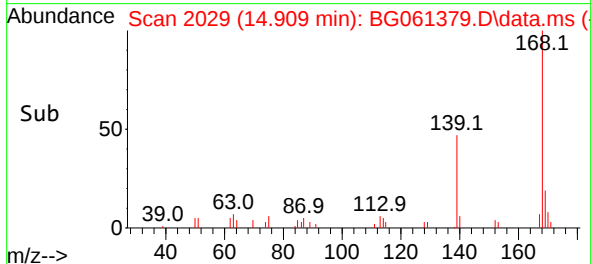
Instrument :
BNA_G
ClientSampleId :
BH6B4



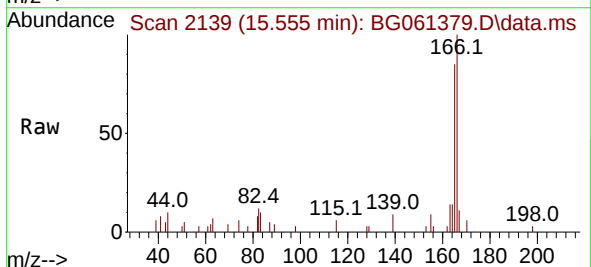
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Ion Ratio Lower Upper
168 100
139 46.7 33.4 50.2

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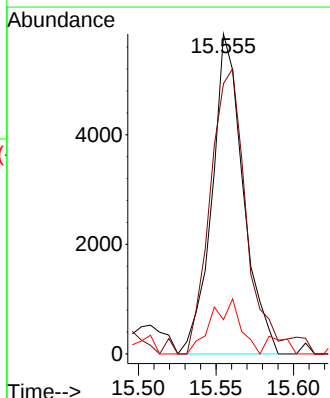
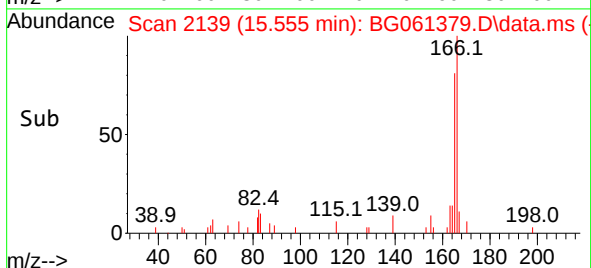
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

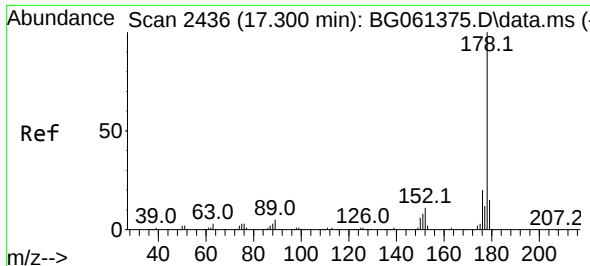


#61
Fluorene
Concen: 1.094 ng/ul
RT: 15.555 min Scan# 2139
Delta R.T. -0.005 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47



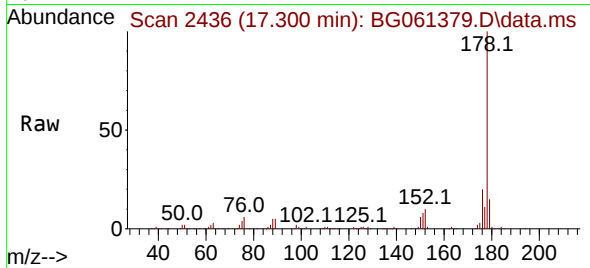
Tgt Ion:166 Resp: 8158
Ion Ratio Lower Upper
166 100
165 84.5 81.8 122.8
167 10.7 10.6 16.0





#72
Phenanthrene
Concen: 20.235 ng/u1
RT: 17.300 min Scan# 2436
Delta R.T. 0.000 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47

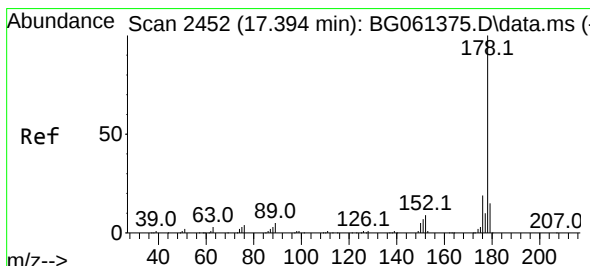
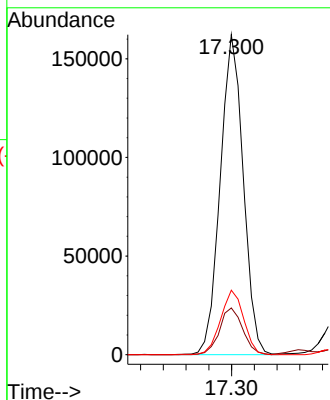
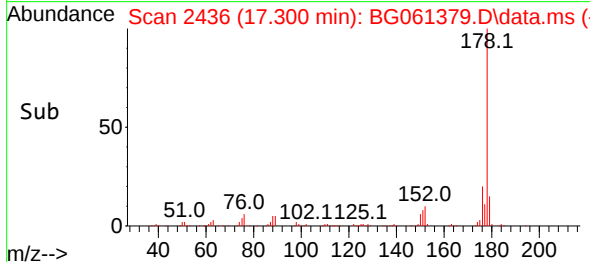
Instrument :
BNA_G
ClientSampleId :
BH6B4



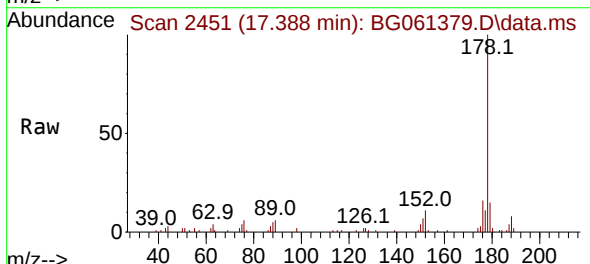
Tgt Ion:178 Resp: 227988
Ion Ratio Lower Upper
178 100
179 14.6 12.7 19.1
176 20.2 15.5 23.3

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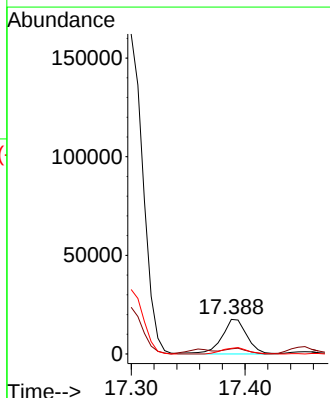
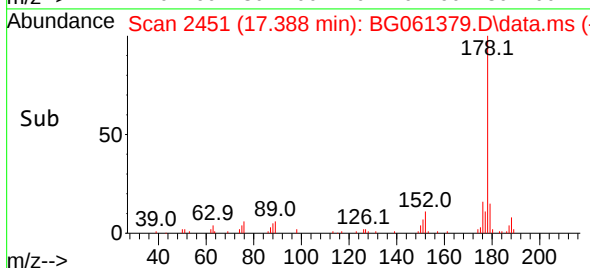
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

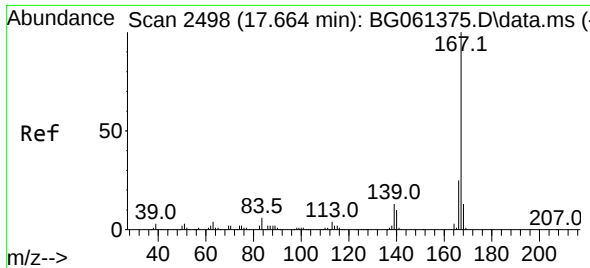


#74
Anthracene
Concen: 2.327 ng/u1
RT: 17.388 min Scan# 2451
Delta R.T. -0.005 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47



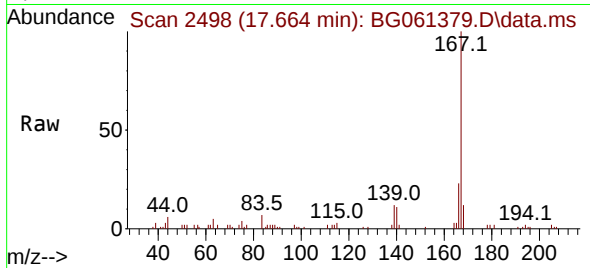
Tgt Ion:178 Resp: 27104
Ion Ratio Lower Upper
178 100
179 15.0 11.8 17.6
176 16.3 14.9 22.3





#77
 Carbazole
 Concen: 2.393 ng/ul
 RT: 17.664 min Scan# 2498
 Delta R.T. 0.000 min
 Lab File: BG061379.D
 Acq: 31 May 2024 4:47

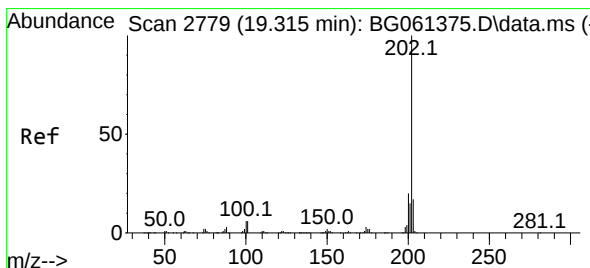
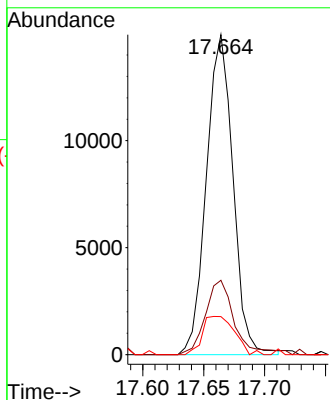
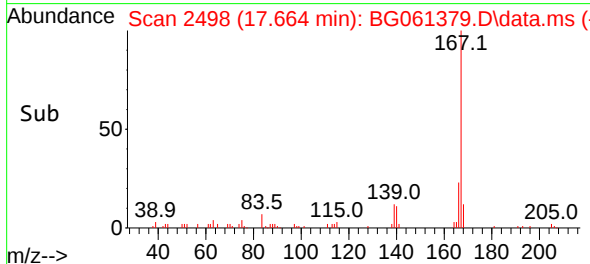
Instrument :
 BNA_G
 ClientSampleId :
 BH6B4



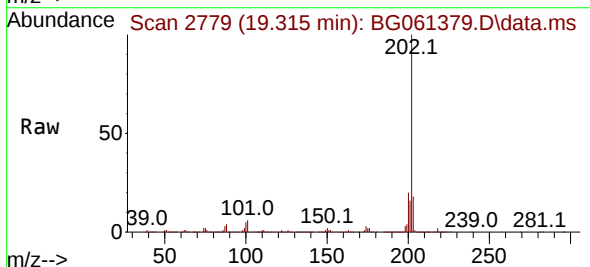
Tgt Ion:167 Resp: 22675
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.6 28.0
 139 11.9 10.6 15.8

Manual Integrations
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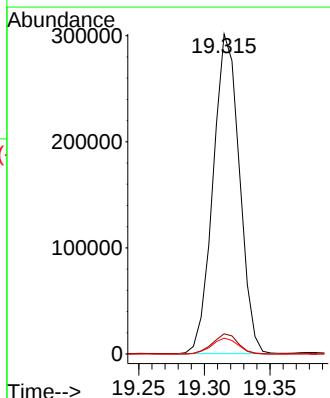
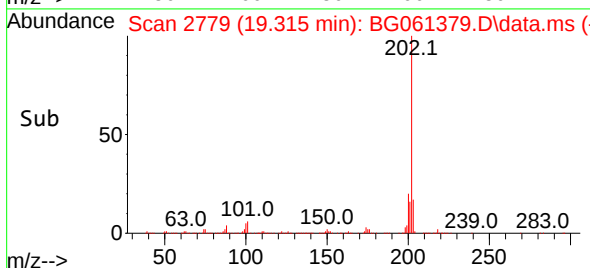
Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

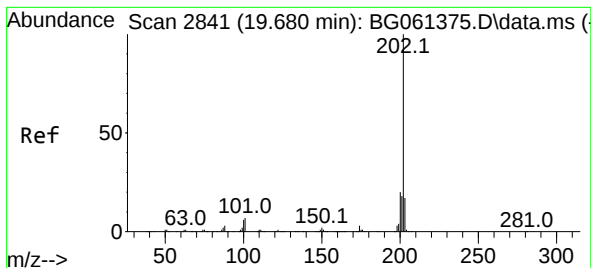


#80
 Fluoranthene
 Concen: 27.989 ng/ul
 RT: 19.315 min Scan# 2779
 Delta R.T. 0.000 min
 Lab File: BG061379.D
 Acq: 31 May 2024 4:47



Tgt Ion:202 Resp: 420475
 Ion Ratio Lower Upper
 202 100
 101 6.3 4.8 7.2
 100 4.9 4.1 6.1





#82

Pyrene

Concen: 23.887 ng/ul

RT: 19.679 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG061379.D

Acq: 31 May 2024 4:47

Instrument :

BNA_G

ClientSampleId :

BH6B4

Tgt Ion:202 Resp: 37248

Ion Ratio Lower Upper

202 100

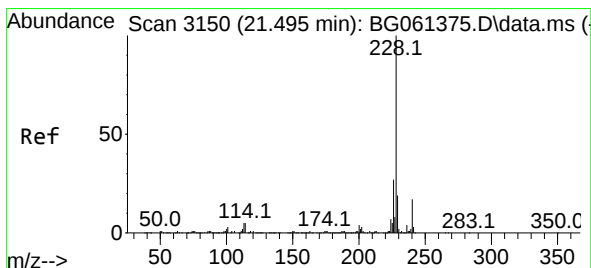
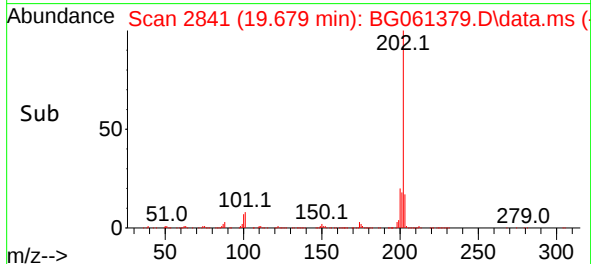
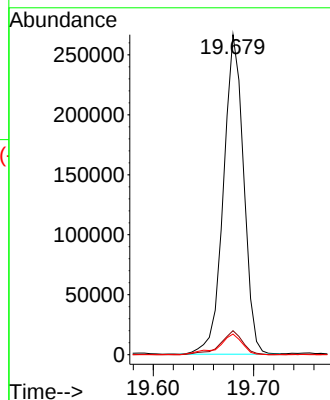
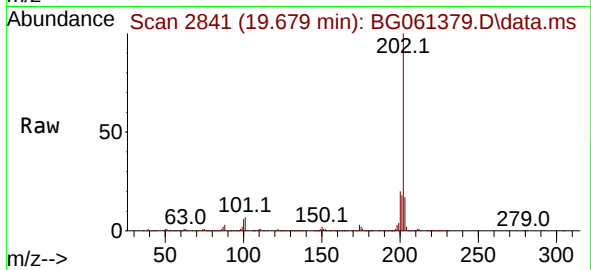
101 7.5 5.7 8.5

100 6.5 5.1 7.7

Manual Integrations

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Supervised By :mohammad ahmed 06/01/2024



#85

Benzo(a)anthracene

Concen: 12.679 ng/ul

RT: 21.495 min Scan# 3150

Delta R.T. 0.000 min

Lab File: BG061379.D

Acq: 31 May 2024 4:47

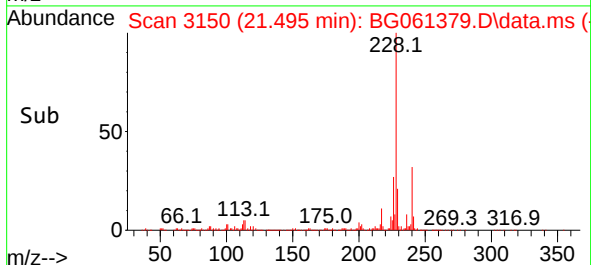
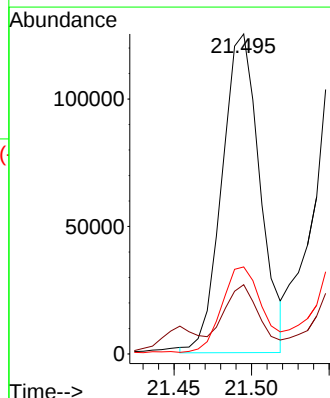
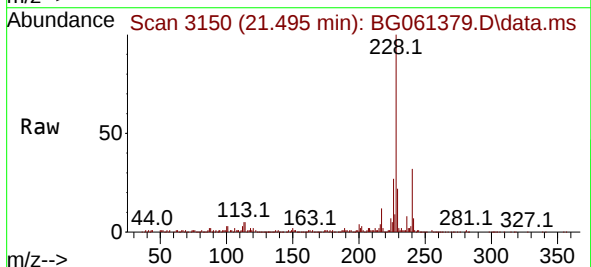
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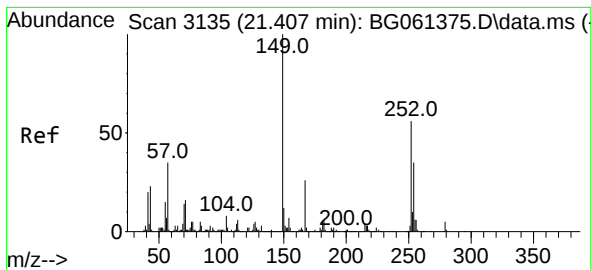
Ion Ratio Lower Upper

228 100

229 21.6 15.2 22.8

226 27.2 21.4 32.2





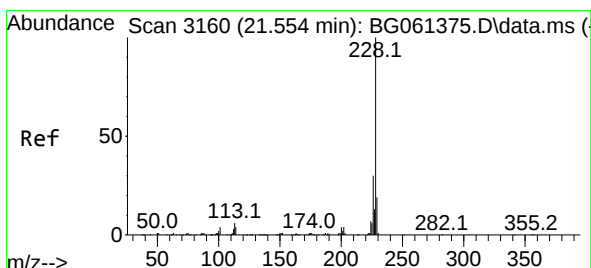
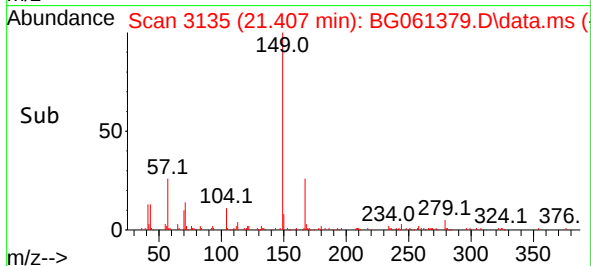
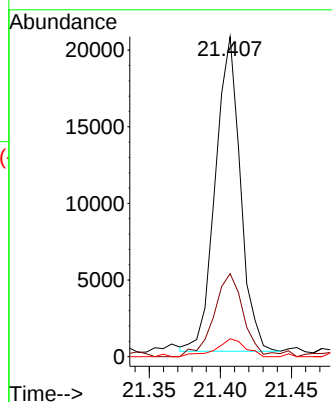
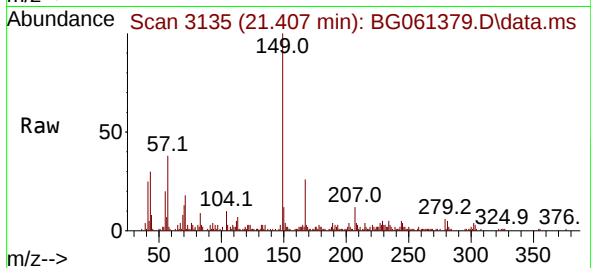
#86
Bis(2-ethylhexyl)phthalate
Concen: 3.166 ng/ul
RT: 21.407 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47

Instrument :
BNA_G
ClientSampleId :
BH6B4

Tgt Ion:149 Resp: 2510
Ion Ratio Lower Upper
149 100
167 26.0 21.1 31.7
279 5.6 3.3 4.9

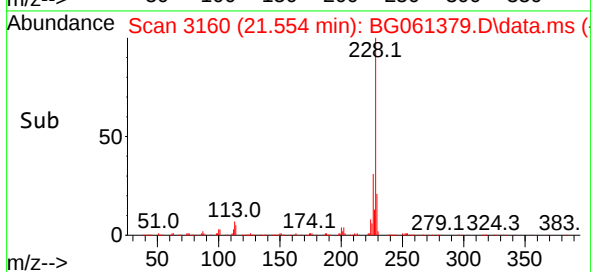
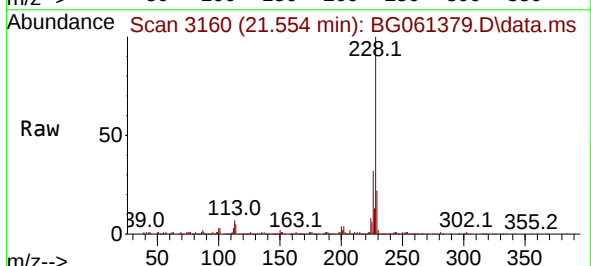
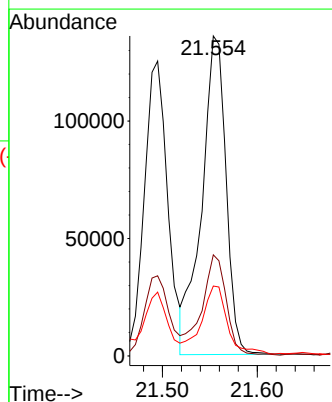
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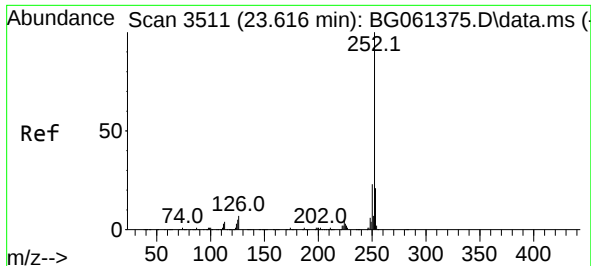
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#87
Chrysene
Concen: 15.622 ng/ul
RT: 21.554 min Scan# 3160
Delta R.T. 0.000 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47

Tgt Ion:228 Resp: 242077
Ion Ratio Lower Upper
228 100
226 31.6 23.4 35.0
229 21.9 15.4 23.2





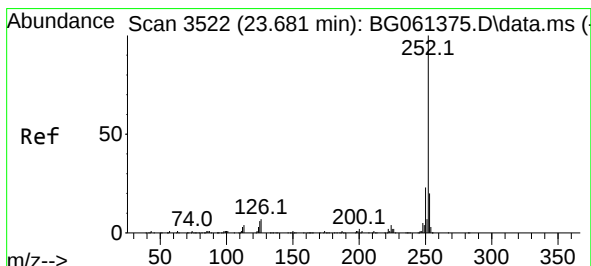
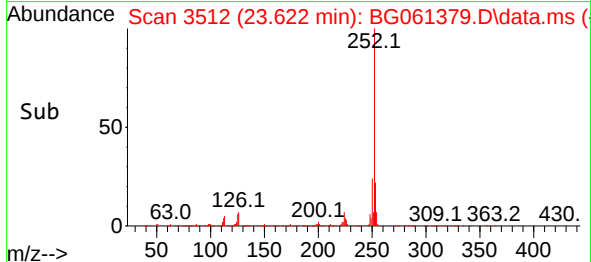
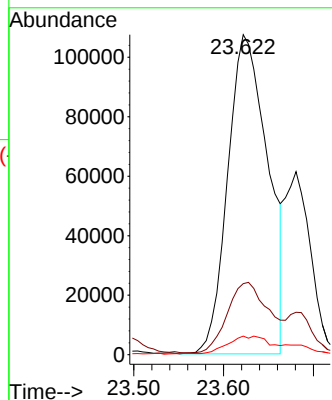
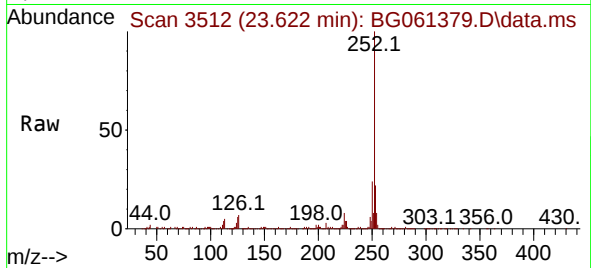
#90
Benzo(b)fluoranthene
Concen: 20.171 ng/ul
RT: 23.622 min Scan# 3512
Delta R.T. 0.006 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47

Instrument :
BNA_G
ClientSampleId :
BH6B4

Tgt Ion:252 Resp: 332560
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 5.8 4.6 6.8

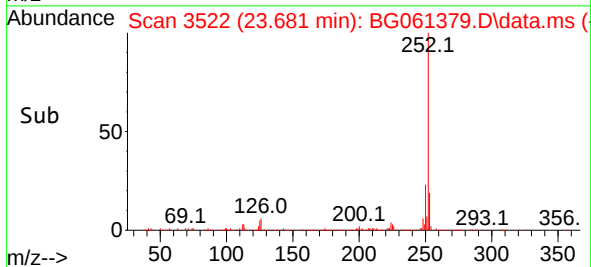
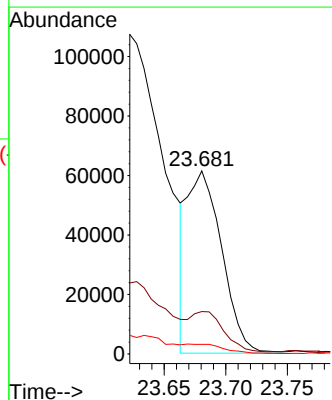
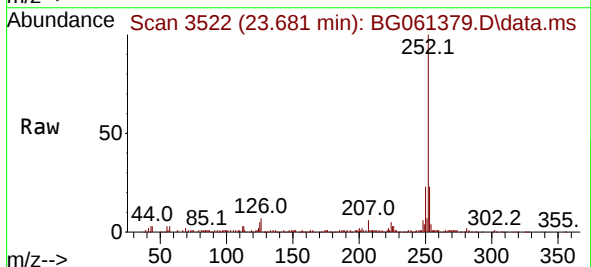
Manual Integrations
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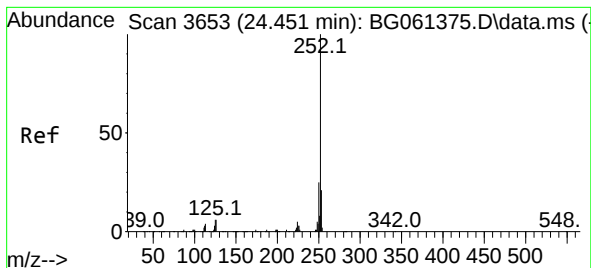
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#91
Benzo(k)fluoranthene
Concen: 7.146 ng/ul m
RT: 23.681 min Scan# 3522
Delta R.T. 0.000 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47

Tgt Ion:252 Resp: 119598
Ion Ratio Lower Upper
252 100
253 23.2 16.0 24.0
125 5.2 4.3 6.5





#93

Benzo(a)pyrene

Concen: 14.866 ng/ul

RT: 24.450 min Scan# 30

Delta R.T. 0.000 min

Lab File: BG061379.D

Acq: 31 May 2024 4:47

Instrument :

BNA_G

ClientSampleId :

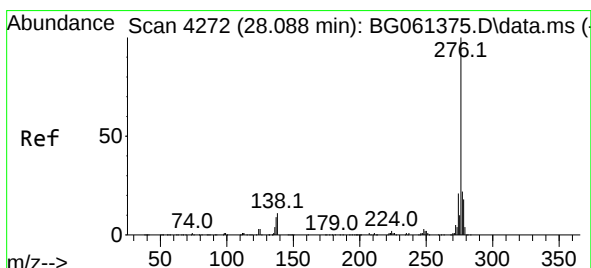
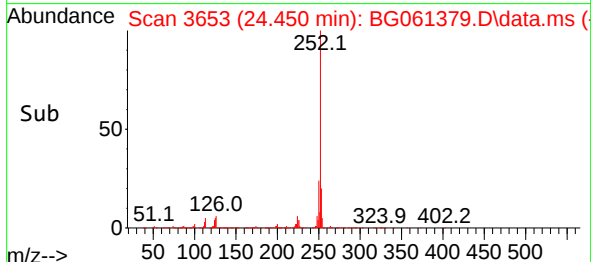
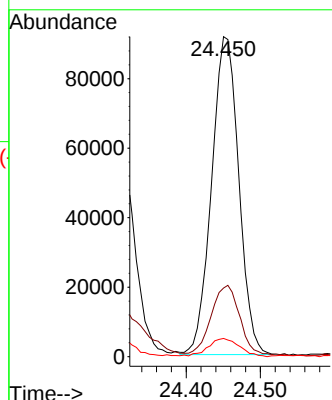
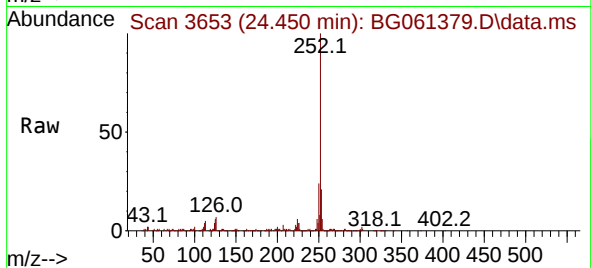
BH6B4

Tgt Ion:	252	Resp:	23273
Ion Ratio	Lower	Upper	
252	100		
253	21.4	16.4	24.6
125	5.7	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.720 ng/ul

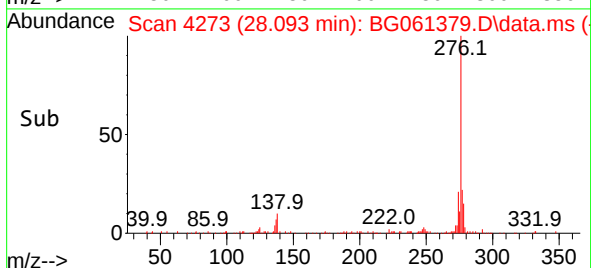
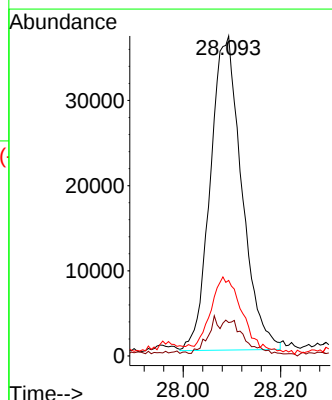
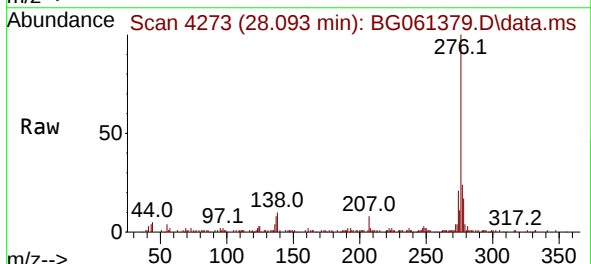
RT: 28.093 min Scan# 4273

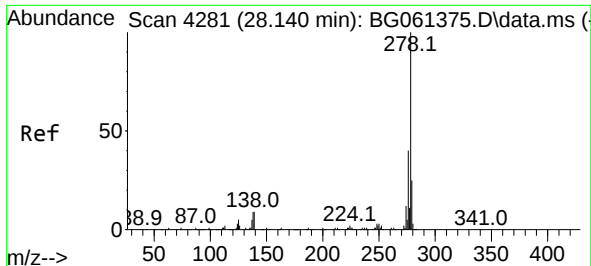
Delta R.T. 0.000 min

Lab File: BG061379.D

Acq: 31 May 2024 4:47

Tgt Ion:	276	Resp:	165091
Ion Ratio	Lower	Upper	
276	100		
138	10.4	8.6	13.0
277	23.6	19.7	29.5





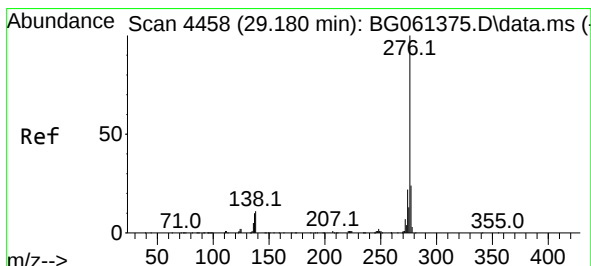
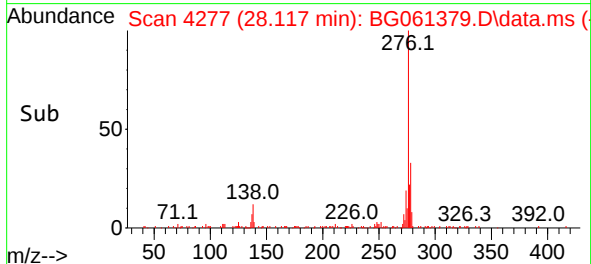
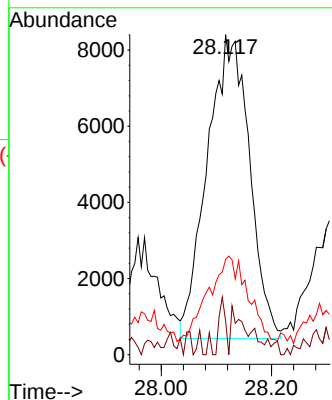
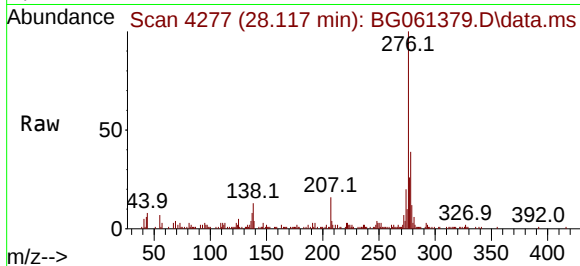
#95
Dibenzo(a,h)anthracene
Concen: 2.704 ng/ul m
RT: 28.117 min Scan# 4281
Delta R.T. -0.023 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47

Instrument :
BNA_G
ClientSampleId :
BH6B4

Tgt Ion:278 Resp: 42215
Ion Ratio Lower Upper
278 100
139 10.5 6.4 9.6
279 29.8 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#96
Benzo(g,h,i)perylene
Concen: 10.456 ng/ul m
RT: 29.180 min Scan# 4458
Delta R.T. 0.006 min
Lab File: BG061379.D
Acq: 31 May 2024 4:47

Tgt Ion:276 Resp: 157485
Ion Ratio Lower Upper
276 100
138 11.7 8.7 13.1
277 25.1 18.2 27.2

