

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061731.D
 Acq On : 26 Jun 2024 11:43
 Operator : MA/JU
 Sample : P2873-09DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COSJ9DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 26 12:34:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	54546	20.000	ng/u1	0.00
20) Naphthalene-d8	10.887	136	270906	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.701	164	195988	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.444	188	435767	20.000	ng/u1	0.00
79) Chrysene-d12	21.710	240	381854	20.000	ng/u1	0.00
88) Perylene-d12	24.930	264	456945	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.473	96	707	0.468	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	0.00
7) Phenol-d5	7.209	99	13425	2.267	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.397	67	9855	2.670	ng/u1	0.00
11) 2-Chlorophenol-d4	7.603	132	10317	2.539	ng/u1	0.00
15) 4-Methylphenol-d8	8.772	113	6822	1.490	ng/u1	0.00
21) Nitrobenzene-d5	9.236	128	6587	3.581	ng/u1	0.00
24) 2-Nitrophenol-d4	9.965	143	5595	3.003	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.494	165	10621	2.408	ng/u1	0.00
31) 4-Chloroaniline-d4	11.017	131	9570	1.433	ng/u1	0.00
46) Dimethylphthalate-d6	14.101	166	48572	3.221	ng/u1	0.00
49) Acenaphthylene-d8	14.395	160	52489	3.176	ng/u1	0.00
54) 4-Nitrophenol-d4	14.871	143	3331	1.286	ng/u1	0.00
60) Fluorene-d10	15.688	176	41535	3.146	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.799	200	1938	1.040	ng/u1	0.00
73) Anthracene-d10	17.544	188	71599	3.600	ng/u1	0.00
81) Pyrene-d10	19.818	212	73242	3.434	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.712	264	55818	2.558	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.940	128	2374495	156.649	ng/u1	98
36) 2-Methylnaphthalene	12.538	142	688825	64.402	ng/u1	96
37) 1-Methylnaphthalene	12.756	142	395470	34.653	ng/u1	88
43) 1,1'-Biphenyl	13.537	154	100843	7.103	ng/u1	92
50) Acenaphthylene	14.424	152	500589	27.132	ng/u1	97
52) Acenaphthene	14.759	153	32265	2.525	ng/u1	95
56) Dibenzofuran	15.094	168	32771	1.833	ng/u1	90
61) Fluorene	15.746	166	260473	17.602	ng/u1	96
72) Phenanthrene	17.486	178	1309327	57.112	ng/u1	98
74) Anthracene	17.574	178	354308	15.113	ng/u1	99
80) Fluoranthene	19.489	202	517024	20.891	ng/u1	98
82) Pyrene	19.853	202	659936	25.078	ng/u1	97
85) Benzo(a)anthracene	21.687	228	289821	10.813	ng/u1	93
87) Chrysene	21.751	228	232375	9.162	ng/u1	99
90) Benzo(b)fluoranthene	23.907	252	174805	6.364	ng/u1	97
91) Benzo(k)fluoranthene	23.966	252	67527m	2.390	ng/u1	
93) Benzo(a)pyrene	24.783	252	124585	4.711	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.608	276	56573m	1.717	ng/u1	

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

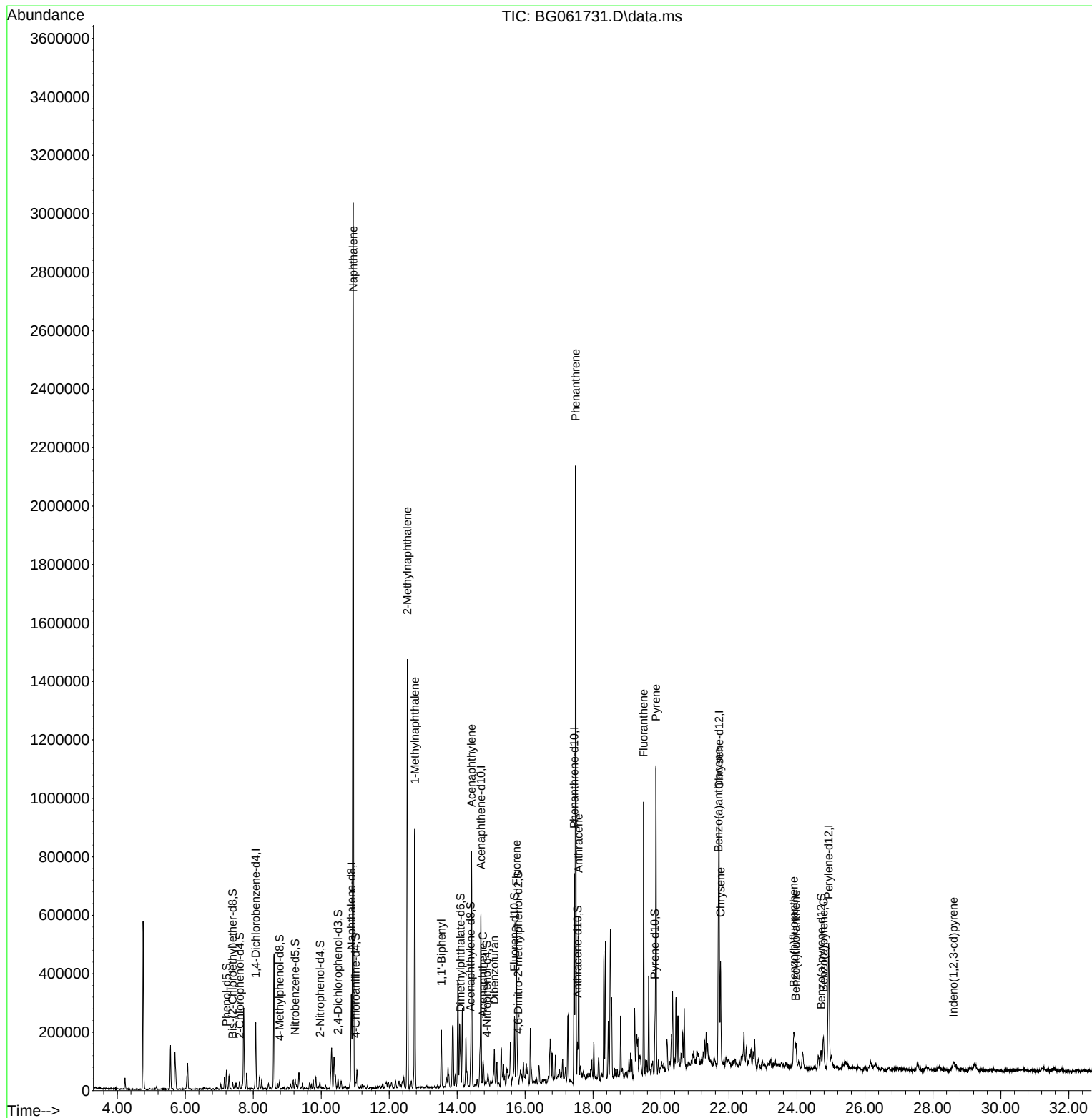
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061731.D
Acq On : 26 Jun 2024 11:43
Operator : MA/JU
Sample : P2873-09DL 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

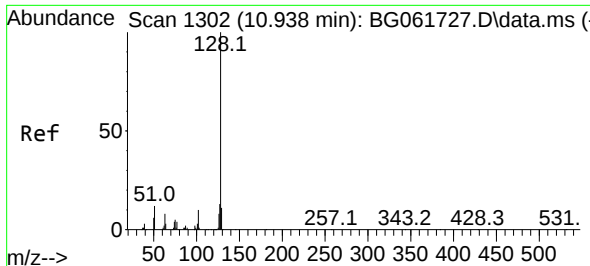
Instrument :
BNA_G
ClientSampleId :
C0SJ9DL

Quant Time: Jun 26 12:34:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
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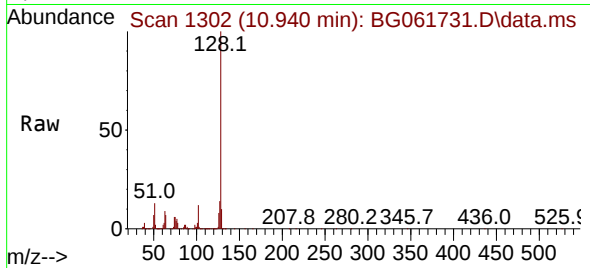
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024





#30
Naphthalene
Concen: 156.649 ng/ul
RT: 10.940 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

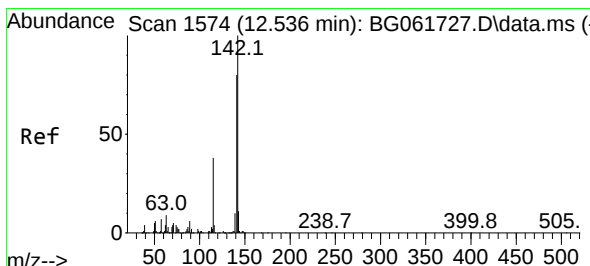
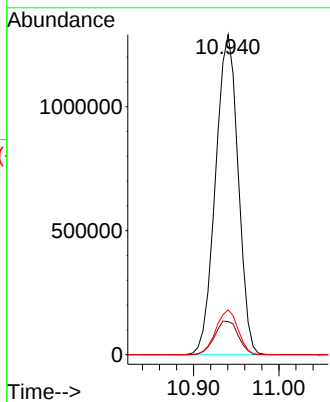
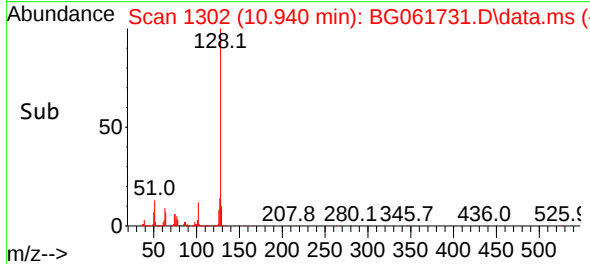
Instrument :
BNA_G
ClientSampleId :
C0SJ9DL



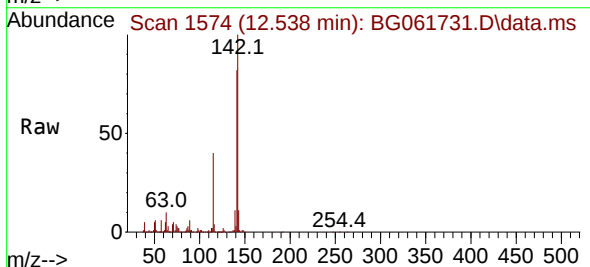
Tgt Ion:128 Resp: 237449
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.6
127 14.0 10.5 15.7

Manual Integrations
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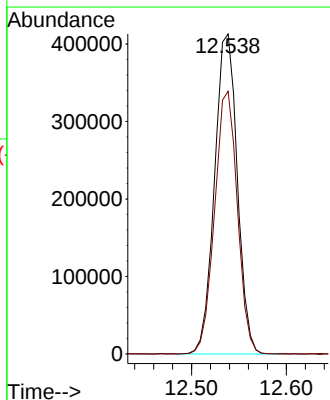
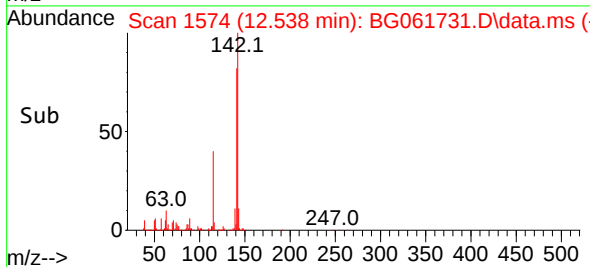
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

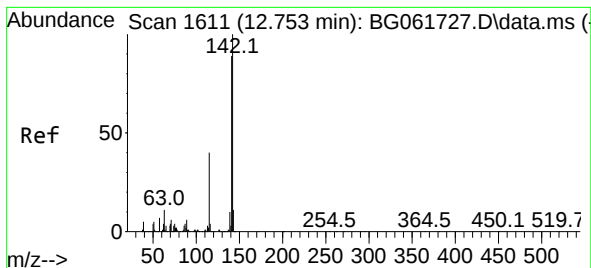


#36
2-Methylnaphthalene
Concen: 64.402 ng/ul
RT: 12.538 min Scan# 1574
Delta R.T. -0.003 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43



Tgt Ion:142 Resp: 688825
Ion Ratio Lower Upper
142 100
141 82.1 68.5 102.7





#37

1-Methylnaphthalene

Concen: 34.653 ng/ul

RT: 12.756 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG061731.D

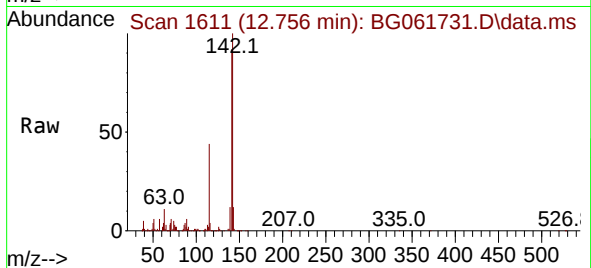
Acq: 26 Jun 2024 11:43

Instrument :

BNA_G

ClientSampleId :

C0SJ9DL



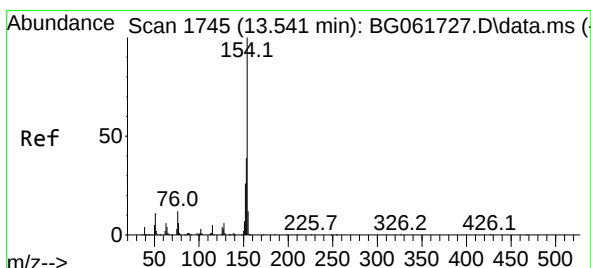
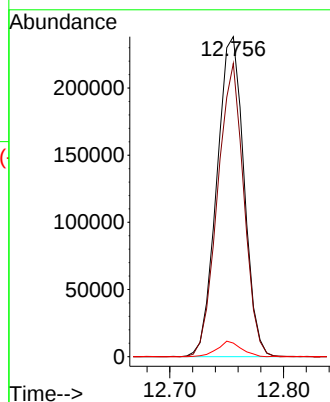
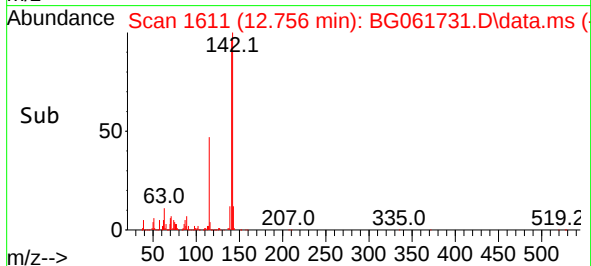
Tgt Ion:	142	Resp:	395470
Ion Ratio	Lower	Upper	
142	100		
141	91.6	64.6	97.0
116	4.3	3.0	4.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#43

1,1'-Biphenyl

Concen: 7.103 ng/ul

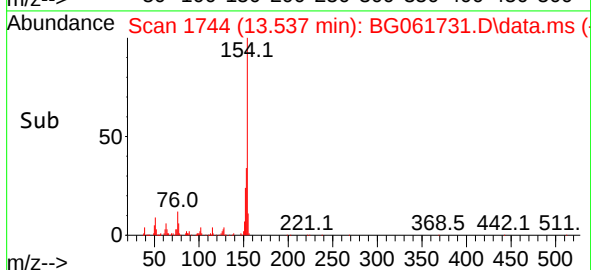
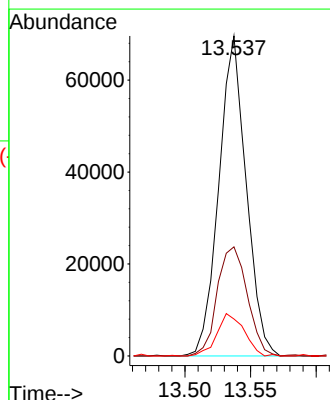
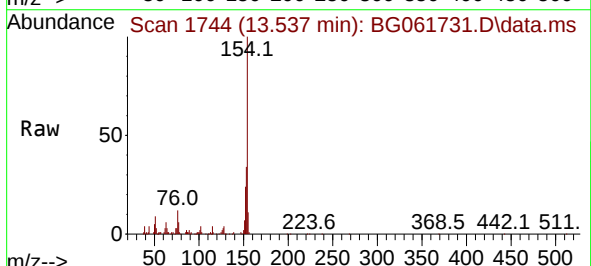
RT: 13.537 min Scan# 1744

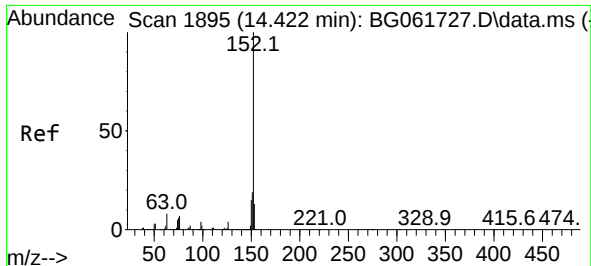
Delta R.T. -0.003 min

Lab File: BG061731.D

Acq: 26 Jun 2024 11:43

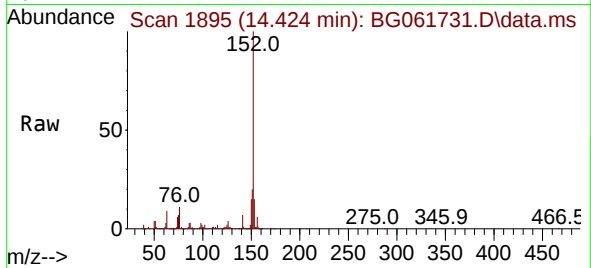
Tgt Ion:	154	Resp:	100843
Ion Ratio	Lower	Upper	
154	100		
153	34.1	31.4	47.0
76	11.6	11.0	16.4





#50
Acenaphthylene
Concen: 27.132 ng/u1
RT: 14.424 min Scan# 1895
Delta R.T. -0.003 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

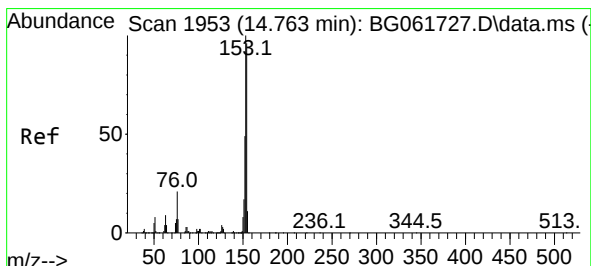
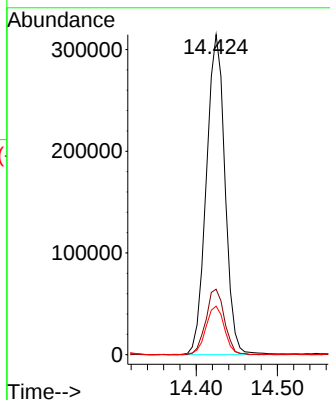
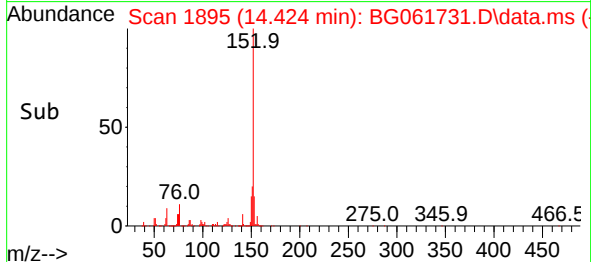
Instrument :
BNA_G
ClientSampleId :
C0SJ9DL



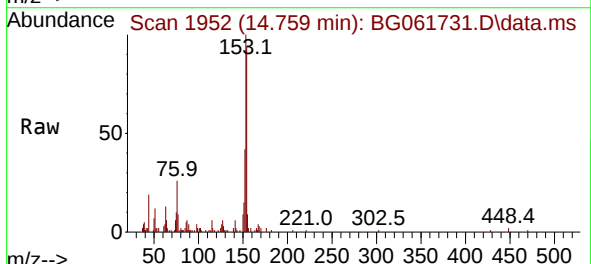
Tgt Ion:152 Resp: 500589
Ion Ratio Lower Upper
152 100
151 20.4 15.3 22.9
153 15.1 11.0 16.4

Manual Integrations
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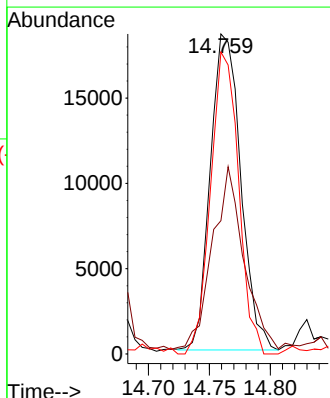
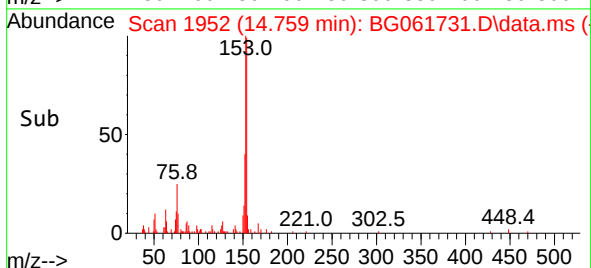
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

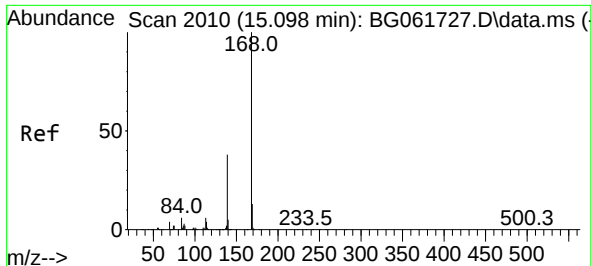


#52
Acenaphthene
Concen: 2.525 ng/u1
RT: 14.759 min Scan# 1952
Delta R.T. -0.009 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43



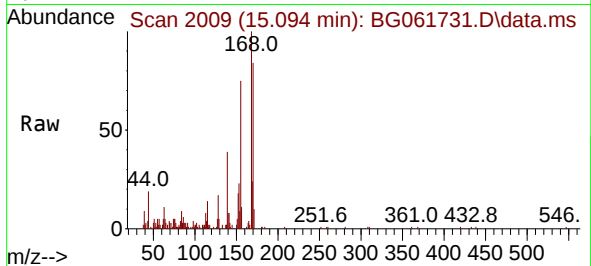
Tgt Ion:153 Resp: 32265
Ion Ratio Lower Upper
153 100
152 41.6 40.0 60.0
154 94.4 74.1 111.1





#56
Dibenzenofuran
Concen: 1.833 ng/ul
RT: 15.094 min Scan# 2010
Delta R.T. -0.009 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

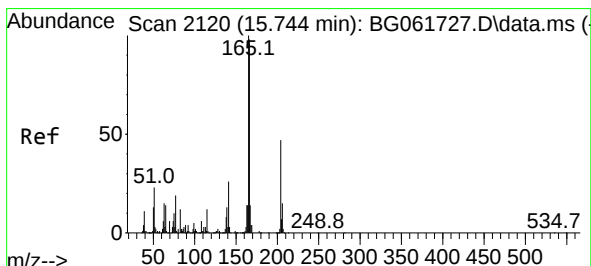
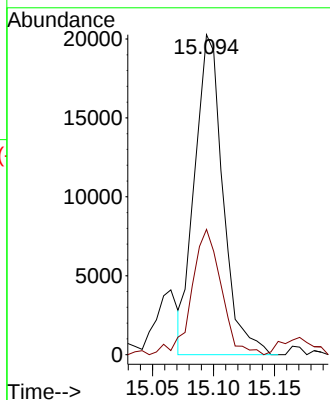
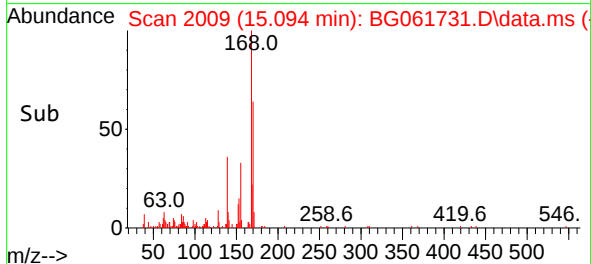
Instrument :
BNA_G
ClientSampleId :
C0SJ9DL



Tgt Ion:168 Resp: 3277
Ion Ratio Lower Upper
168 100
139 39.1 27.0 40.4

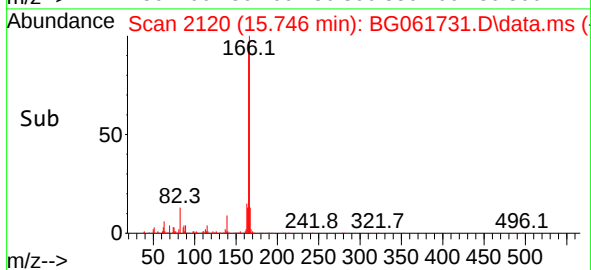
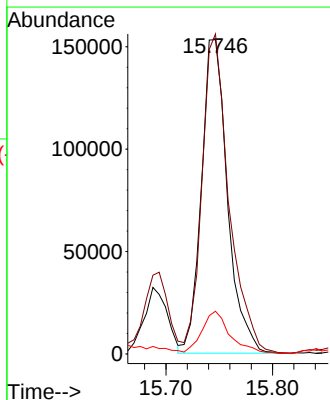
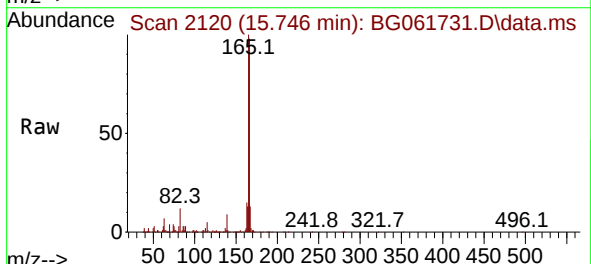
Manual Integrations
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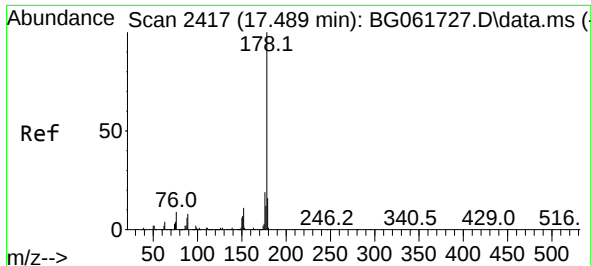
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#61
Fluorene
Concen: 17.602 ng/ul
RT: 15.746 min Scan# 2120
Delta R.T. -0.003 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

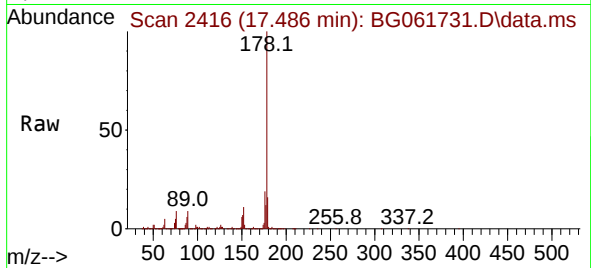
Tgt Ion:166 Resp: 260473
Ion Ratio Lower Upper
166 100
165 101.8 84.9 127.3
167 13.6 10.9 16.3





#72
Phenanthrene
Concen: 57.112 ng/ul
RT: 17.486 min Scan# 2417
Delta R.T. -0.003 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

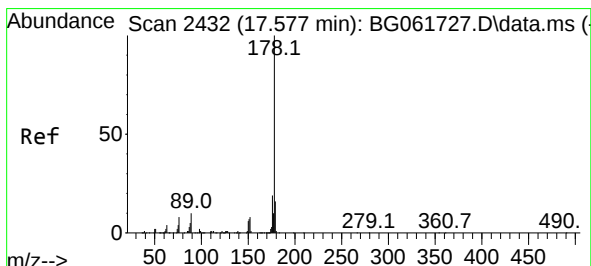
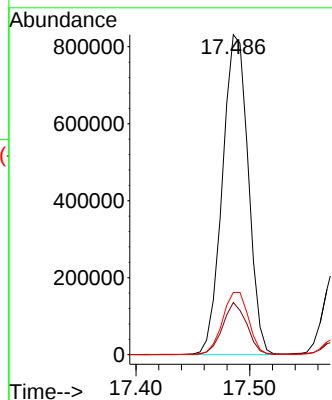
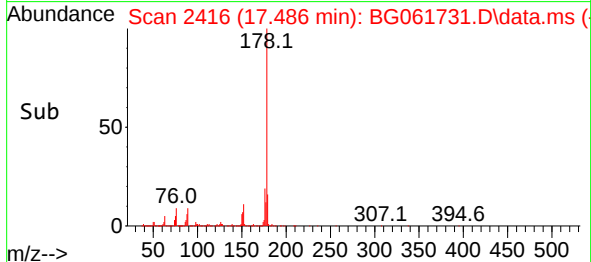
Instrument :
BNA_G
ClientSampleId :
C0SJ9DL



Tgt Ion:178 Resp: 130932
Ion Ratio Lower Upper
178 100
179 16.3 12.0 18.0
176 19.5 16.2 24.2

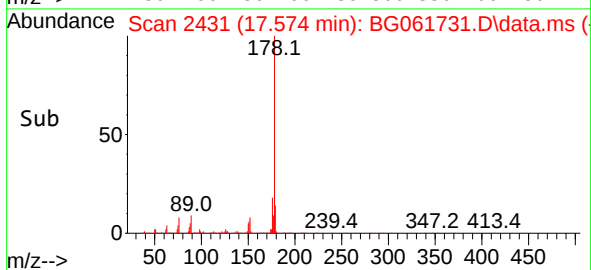
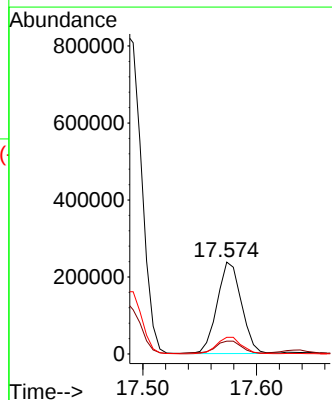
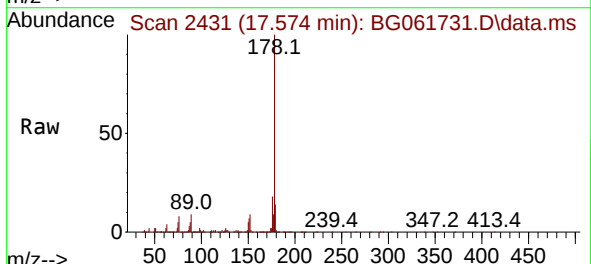
Manual Integrations
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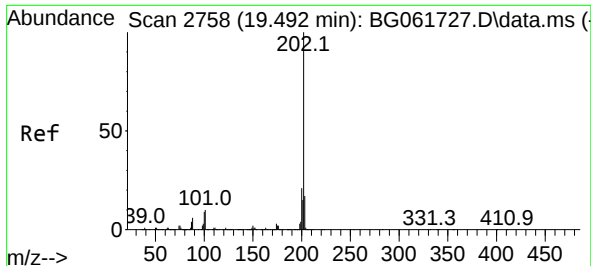
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#74
Anthracene
Concen: 15.113 ng/ul
RT: 17.574 min Scan# 2431
Delta R.T. -0.003 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

Tgt Ion:178 Resp: 354308
Ion Ratio Lower Upper
178 100
179 14.0 11.4 17.2
176 18.1 14.7 22.1





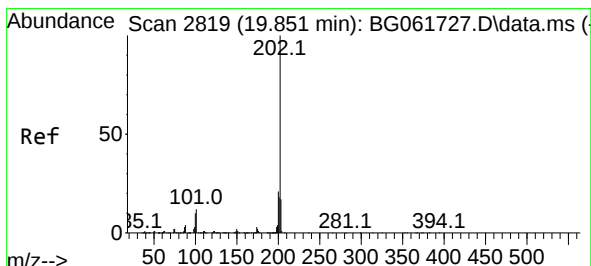
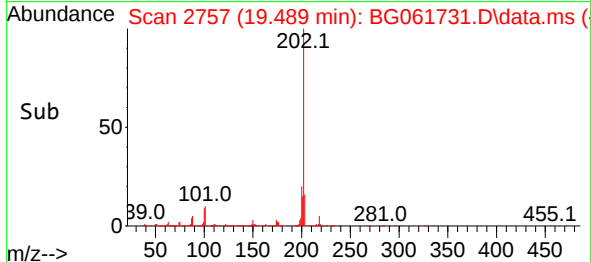
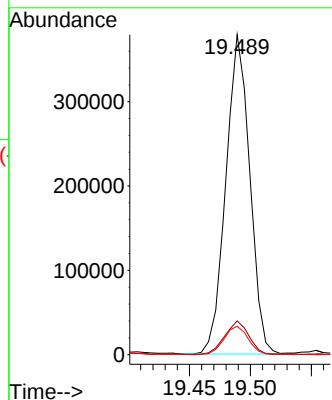
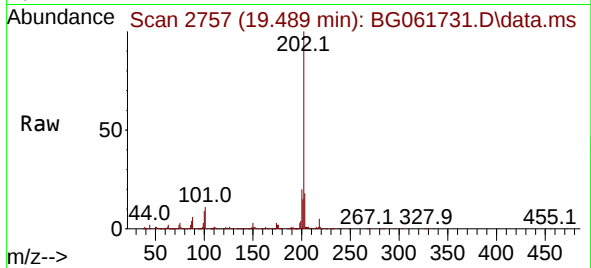
#80
Fluoranthene
Concen: 20.891 ng/u1
RT: 19.489 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL

Tgt Ion:202 Resp: 517024
Ion Ratio Lower Upper
202 100
101 10.6 7.8 11.6
100 8.9 7.7 11.5

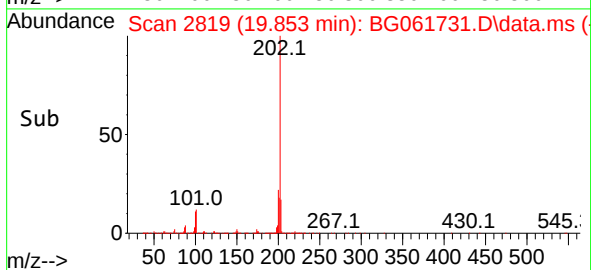
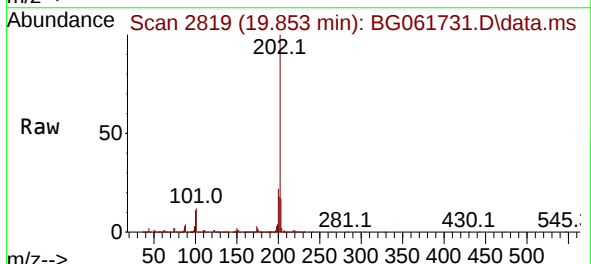
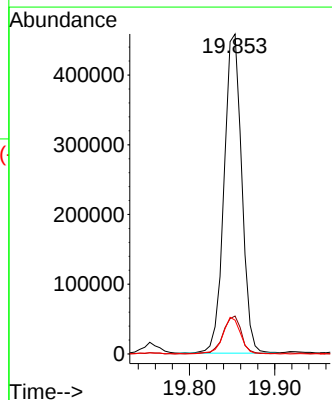
Manual Integrations
APPROVED

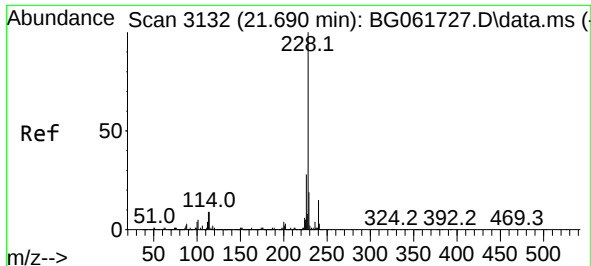
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#82
Pyrene
Concen: 25.078 ng/u1
RT: 19.853 min Scan# 2819
Delta R.T. 0.003 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

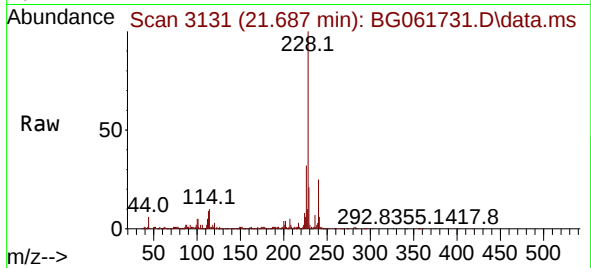
Tgt Ion:202 Resp: 659936
Ion Ratio Lower Upper
202 100
101 11.9 10.1 15.1
100 10.6 9.9 14.9





#85
Benzo(a)anthracene
Concen: 10.813 ng/ul
RT: 21.687 min Scan# 3132
Delta R.T. -0.003 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

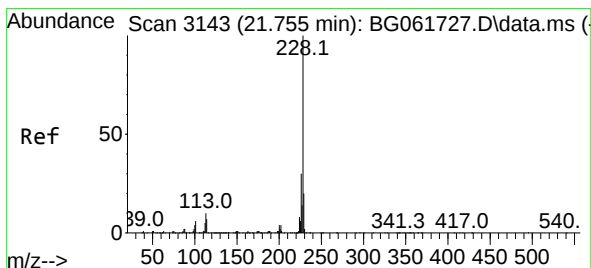
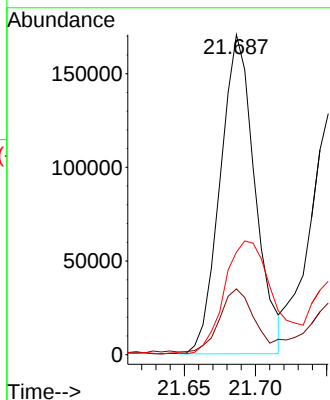
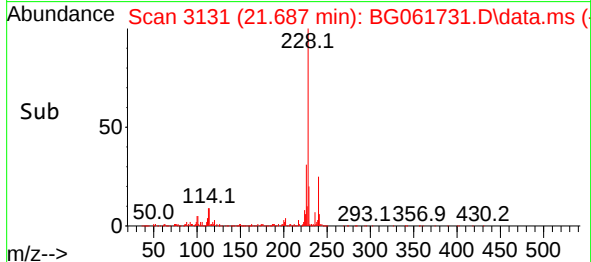
Instrument :
BNA_G
ClientSampleId :
C0SJ9DL



Tgt Ion:228 Resp: 28982
Ion Ratio Lower Upper
228 100
229 20.5 15.8 23.8
226 32.0 21.4 32.2

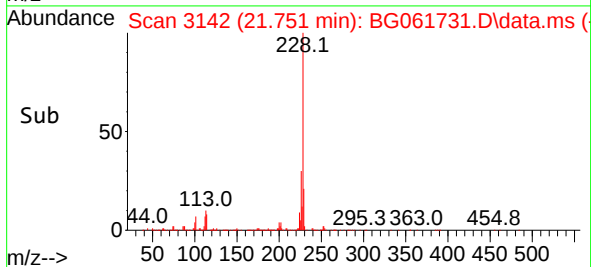
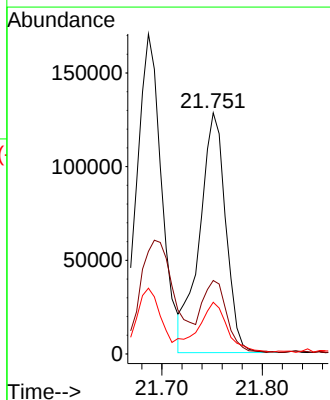
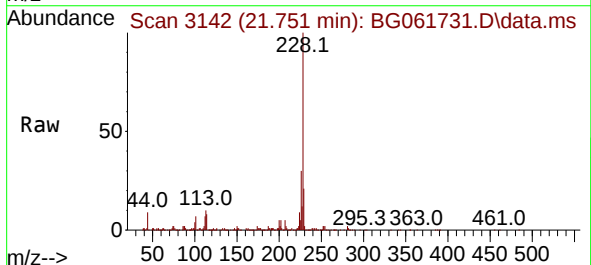
Manual Integrations
APPROVED

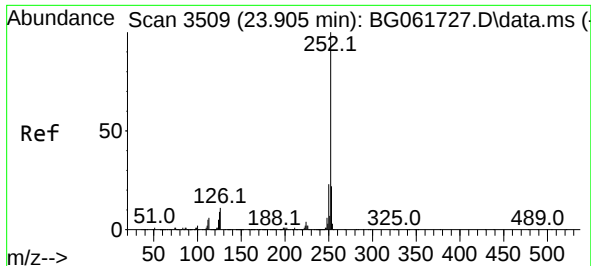
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#87
Chrysene
Concen: 9.162 ng/ul
RT: 21.751 min Scan# 3142
Delta R.T. -0.009 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

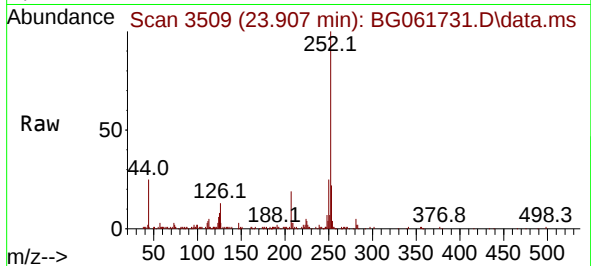
Tgt Ion:228 Resp: 232375
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 21.4 16.5 24.7





#90
Benzo(b)fluoranthene
Concen: 6.364 ng/ul
RT: 23.907 min Scan# 3509
Delta R.T. -0.009 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

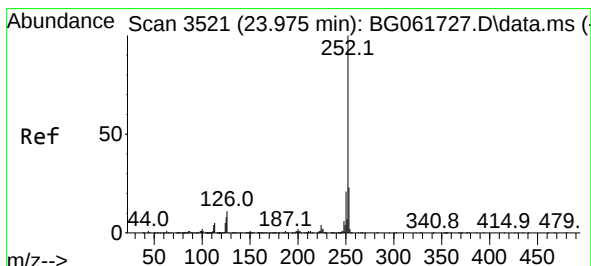
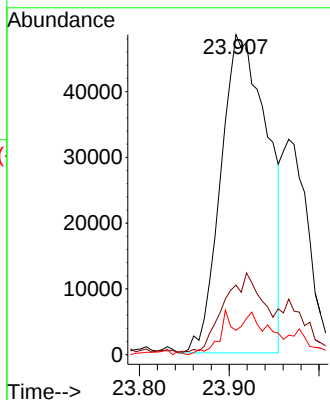
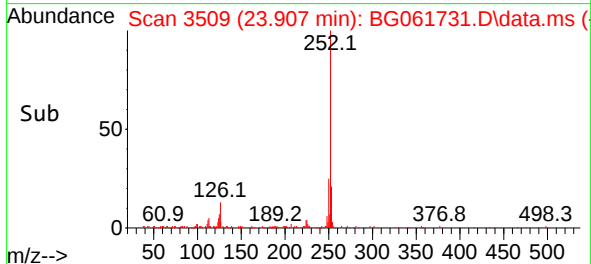
Instrument :
BNA_G
ClientSampleId :
C0SJ9DL



Tgt Ion:252 Resp: 17480
Ion Ratio Lower Upper
252 100
253 21.8 18.6 27.8
125 7.6 7.0 10.6

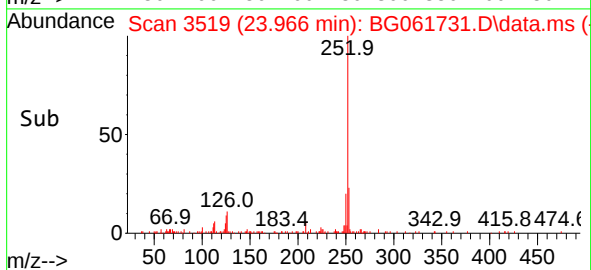
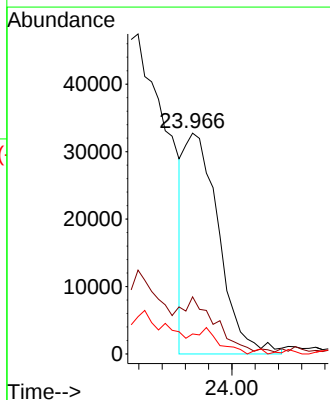
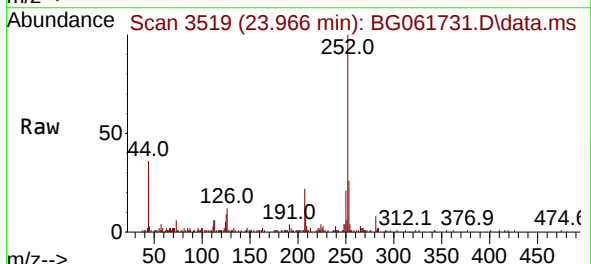
Manual Integrations
APPROVED

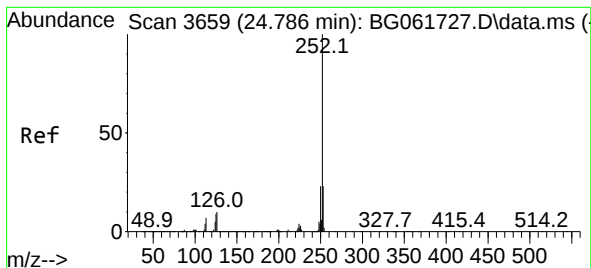
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#91
Benzo(k)fluoranthene
Concen: 2.390 ng/ul m
RT: 23.966 min Scan# 3519
Delta R.T. -0.015 min
Lab File: BG061731.D
Acq: 26 Jun 2024 11:43

Tgt Ion:252 Resp: 67527
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.6
125 9.1 6.2 9.2





#93

Benzo(a)pyrene

Concen: 4.711 ng/ul

RT: 24.783 min Scan# 30

Delta R.T. -0.009 min

Lab File: BG061731.D

Acq: 26 Jun 2024 11:43

Instrument :

BNA_G

ClientSampleId :

C0SJ9DL

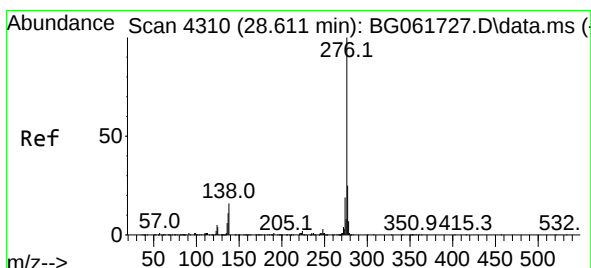
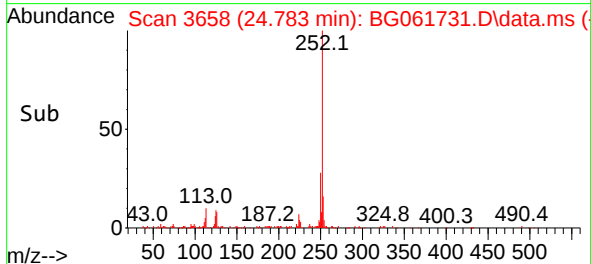
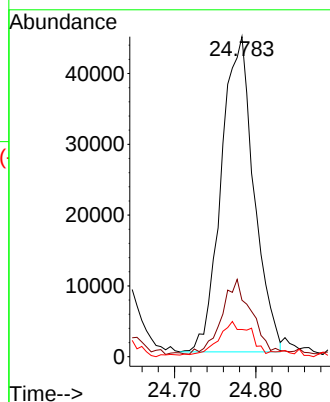
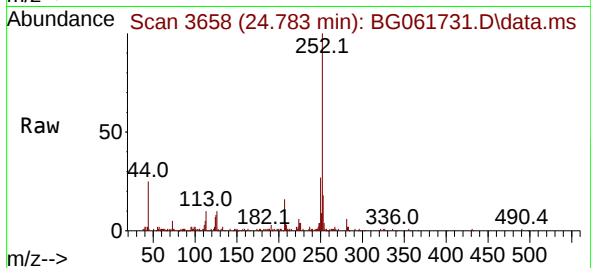
Tgt Ion:252 Resp: 12458
 Ion Ratio Lower Upper
 252 100
 253 17.6 16.8 25.2
 125 8.5 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 1.717 ng/ul m

RT: 28.608 min Scan# 4309

Delta R.T. -0.009 min

Lab File: BG061731.D

Acq: 26 Jun 2024 11:43

Tgt Ion:276 Resp: 56573
 Ion Ratio Lower Upper
 276 100
 138 13.4 12.2 18.4
 277 29.1 19.7 29.5

