

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122324\
 Data File : BG063785.D
 Acq On : 23 Dec 2024 15:44
 Operator : RC/JU
 Sample : P5265-18MEDL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E2903MEDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/24/2024
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 24 00:00:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

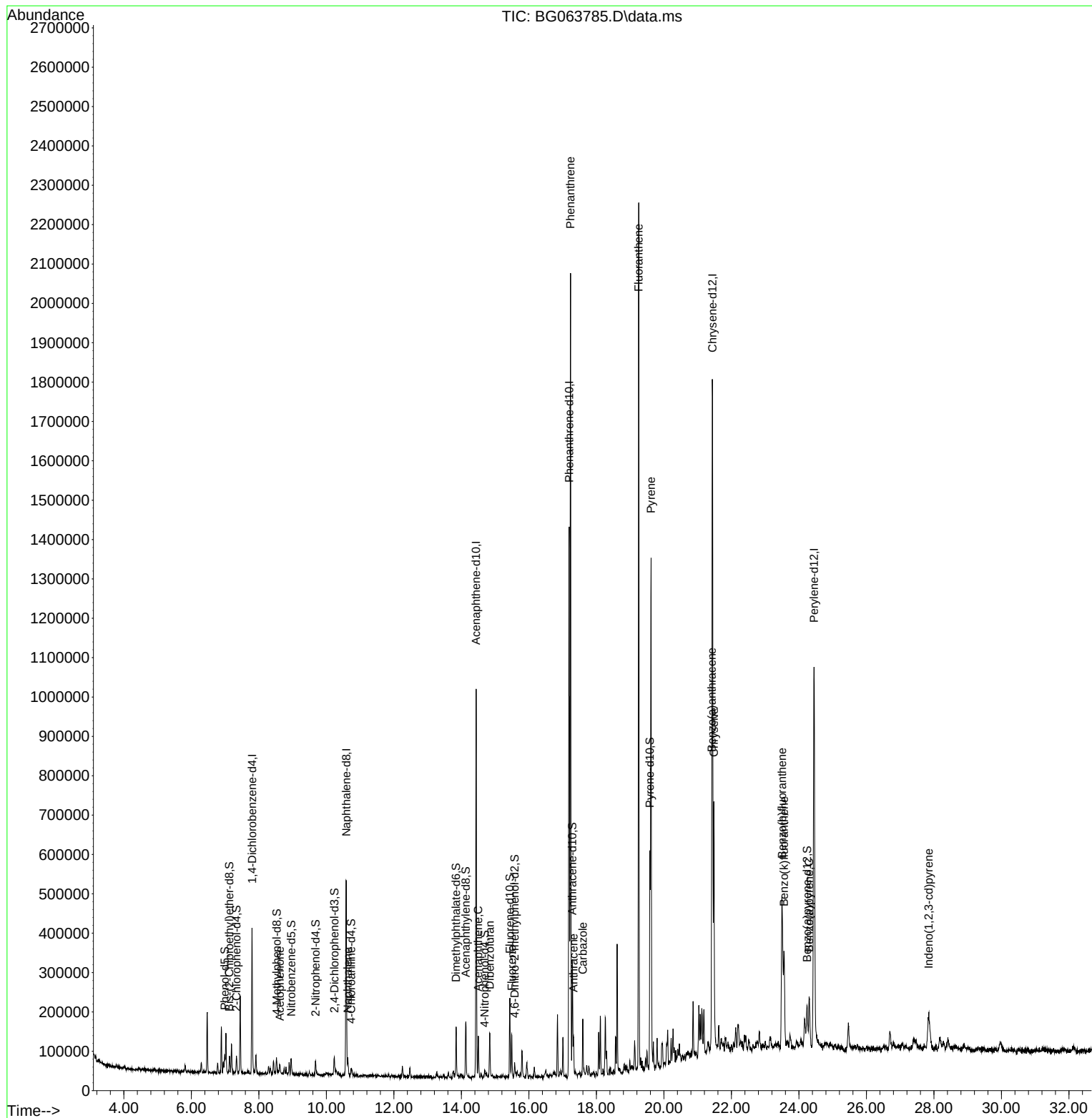
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

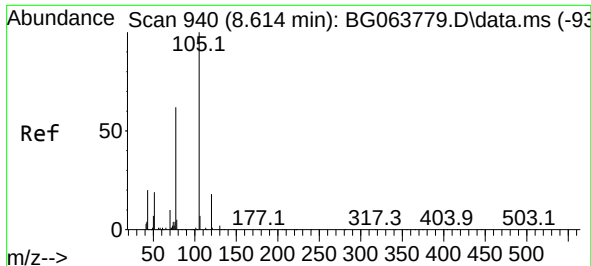
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.797	152	98495	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.588	136	414258	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.437	164	324552	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.192	188	840227	20.000	ng/u1	-0.01
79) Chrysene-d12	21.440	240	911812	20.000	ng/u1	-0.02
88) Perylene-d12	24.448	264	932000	20.000	ng/u1	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.256	96	1692	0.673	ng/uL	-0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.986	99	28501	3.142	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.127	67	18630	2.974	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.333	132	18017	3.068	ng/u1	-0.01
15) 4-Methylphenol-d8	8.526	113	15319	2.175	ng/u1	0.00
21) Nitrobenzene-d5	8.961	128	9168	3.100	ng/u1	0.00
24) 2-Nitrophenol-d4	9.677	143	9768	2.946	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.236	165	21545m	3.356	ng/u1	0.00
31) 4-Chloroaniline-d4	10.735	131	13778m	1.690	ng/u1	0.00
46) Dimethylphthalate-d6	13.843	166	85973	3.893	ng/u1	-0.01
49) Acenaphthylene-d8	14.131	160	99111	3.937	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.689	143	6794m	2.171	ng/u1	0.01
60) Fluorene-d10	15.435	176	79929	4.094	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.576	200	7928m	1.817	ng/u1	0.00
73) Anthracene-d10	17.286	188	162308	4.493	ng/u1	-0.02
81) Pyrene-d10	19.583	212	163610	3.448	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.243	264	105189	2.403	ng/u1	-0.03
Target Compounds						
					Qvalue	
16) Acetophenone	8.620	105	17287	1.447	ng/u1	88
30) Naphthalene	10.635	128	27357	1.321	ng/u1	97
52) Acenaphthene	14.501	153	42695	2.232	ng/u1	96
56) Dibenzofuran	14.842	168	77784	2.884	ng/u1	92
61) Fluorene	15.494	166	47165	2.190	ng/u1	97
72) Phenanthrene	17.233	178	1215795	30.027	ng/u1	98
74) Anthracene	17.321	178	65445	1.597	ng/u1	95
77) Carbazole	17.598	167	91093	2.746	ng/u1	97
80) Fluoranthene	19.254	202	1346304	24.964	ng/u1	97
82) Pyrene	19.619	202	794199	13.842	ng/u1	96
85) Benzo(a)anthracene	21.417	228	315313	5.518	ng/u1	97
87) Chrysene	21.481	228	401630	7.374	ng/u1	96
90) Benzo(b)fluoranthene	23.502	252	477304	9.011	ng/u1	98
91) Benzo(k)fluoranthene	23.555	252	153699m	2.909	ng/u1	
93) Benzo(a)pyrene	24.301	252	120042	2.414	ng/u1#	91
94) Indeno(1,2,3-cd)pyrene	27.844	276	146419m	2.411	ng/u1	

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

Manual Integrations APPROVED

Quant Time: Dec 24 00:00:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration





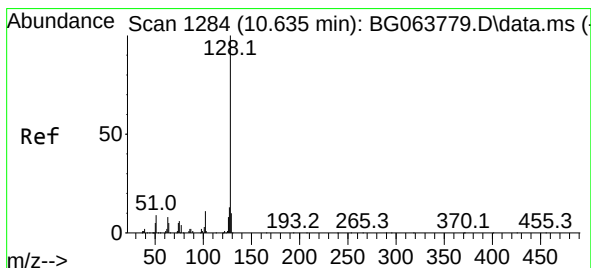
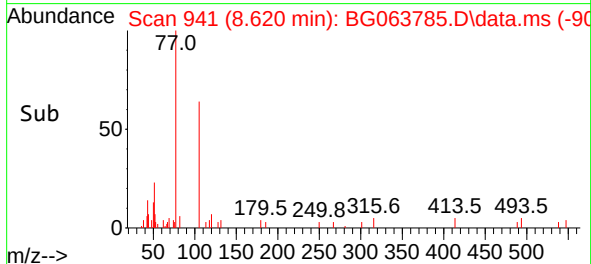
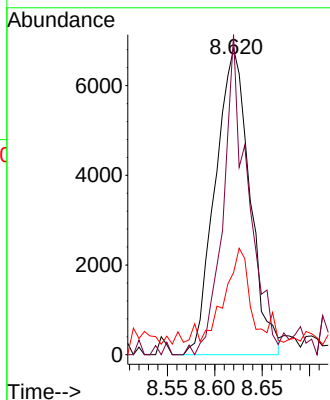
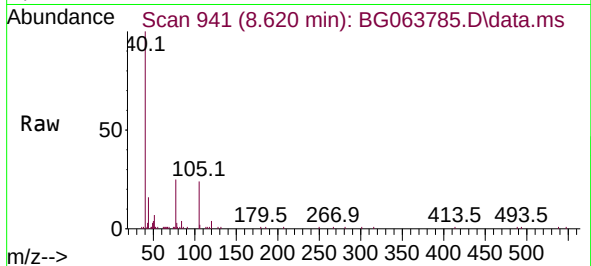
#16
Acetophenone
Concen: 1.447 ng/ul
RT: 8.620 min Scan# 940
Delta R.T. -0.009 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

Instrument :
BNA_G
ClientSampleId :
E2903MEDL

Tgt Ion	Ratio	Lower	Upper
105	100		
77	104.5	73.6	110.4
51	26.8	25.4	38.2

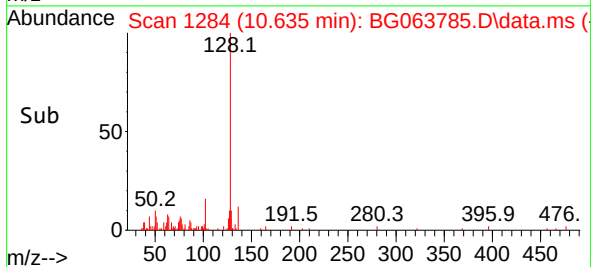
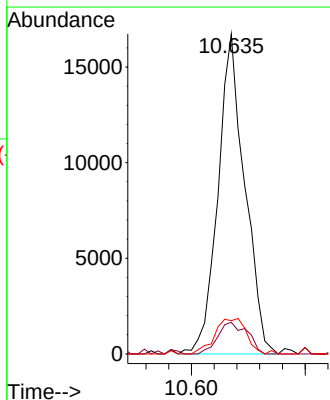
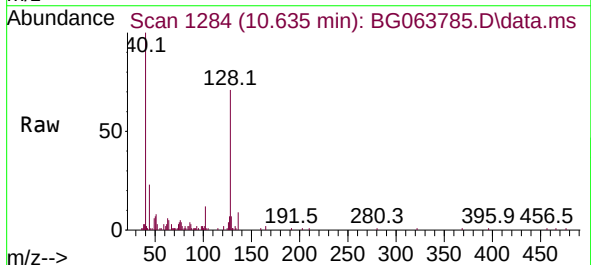
Manual Integrations
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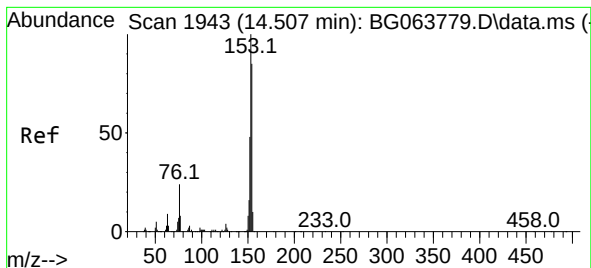
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#30
Naphthalene
Concen: 1.321 ng/ul
RT: 10.635 min Scan# 1284
Delta R.T. -0.015 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

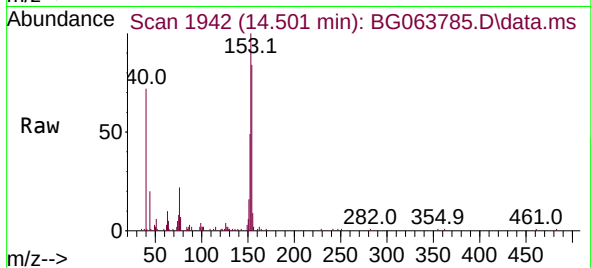
Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.2	12.2
127	10.4	9.8	14.8





#52
Acenaphthene
Concen: 2.232 ng/ul
RT: 14.501 min Scan# 1942
Delta R.T. -0.015 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

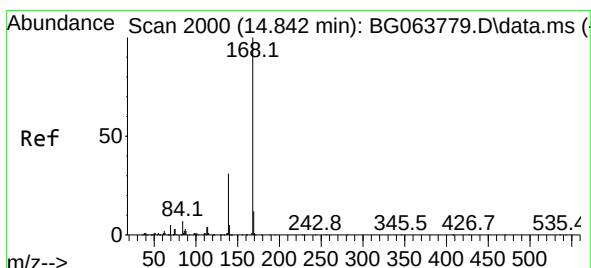
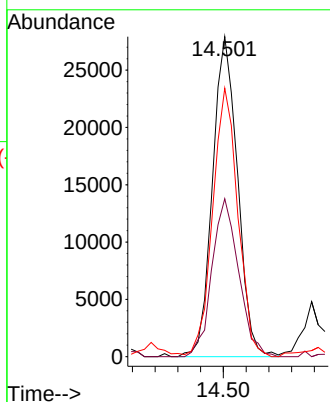
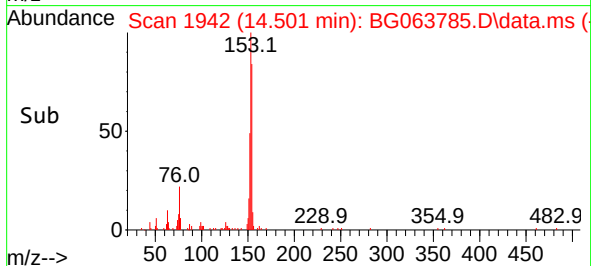
Instrument :
BNA_G
ClientSampleId :
E2903MEDL



Tgt Ion:153 Resp: 4269
Ion Ratio Lower Upper
153 100
152 49.4 40.2 60.4
154 83.9 70.8 106.2

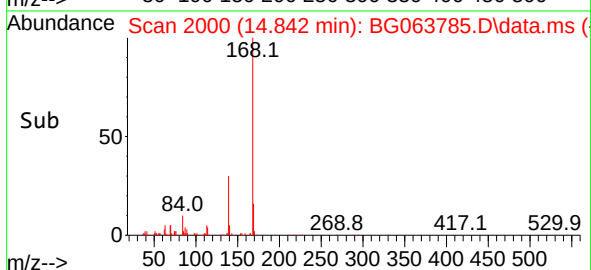
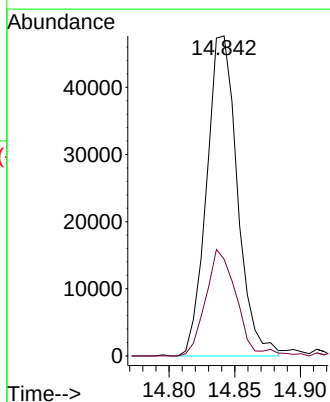
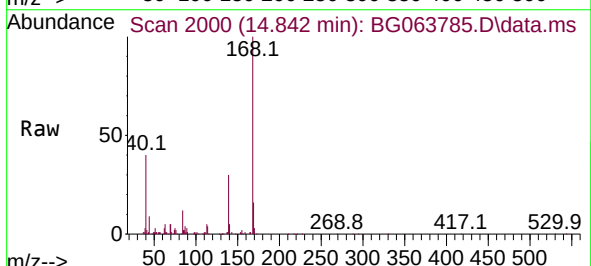
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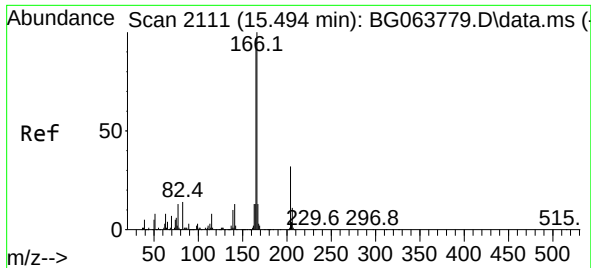
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#56
Dibenzofuran
Concen: 2.884 ng/ul
RT: 14.842 min Scan# 2000
Delta R.T. -0.009 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

Tgt Ion:168 Resp: 77784
Ion Ratio Lower Upper
168 100
139 30.2 27.8 41.8





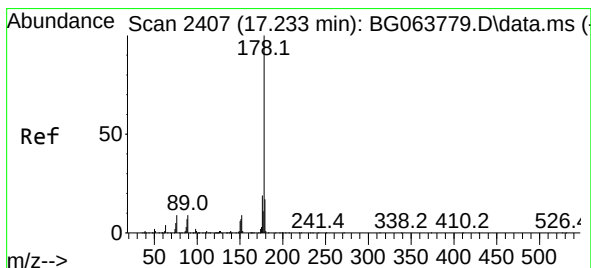
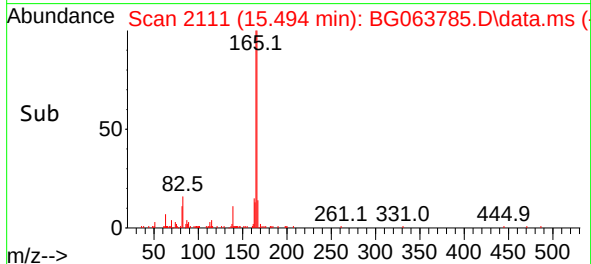
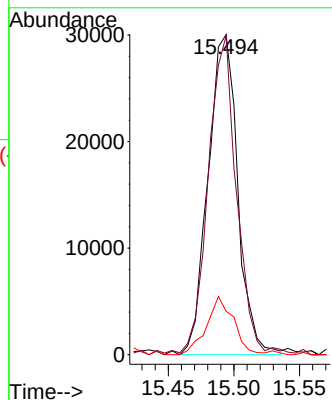
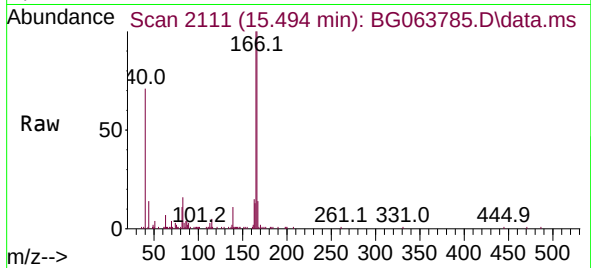
#61
Fluorene
Concen: 2.190 ng/ul
RT: 15.494 min Scan# 2111
Delta R.T. -0.009 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

Instrument :
BNA_G
ClientSampleId :
E2903MEDL

Tgt Ion:166 Resp: 4716
Ion Ratio Lower Upper
166 100
165 99.7 81.9 122.9
167 13.6 11.4 17.0

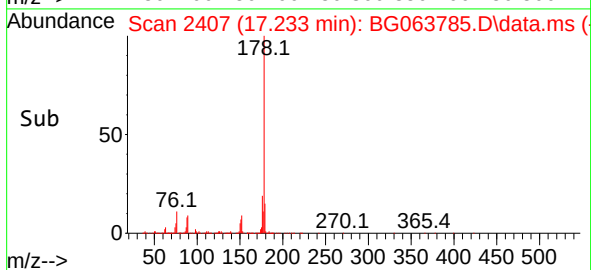
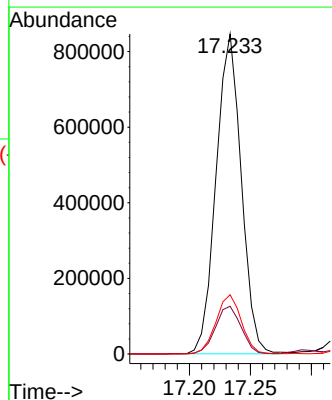
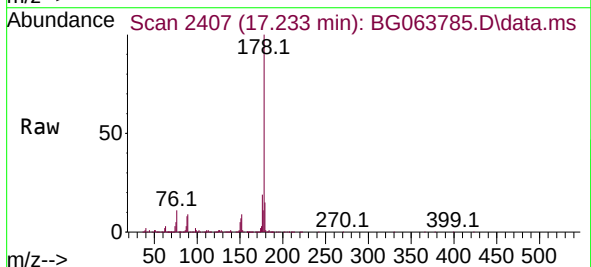
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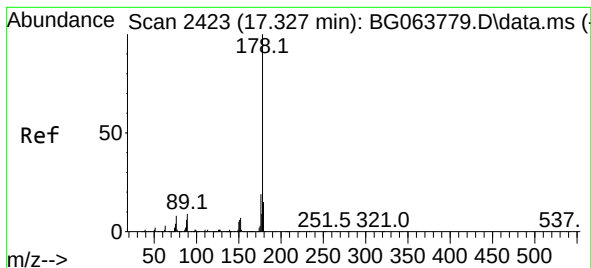
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#72
Phenanthrene
Concen: 30.027 ng/ul
RT: 17.233 min Scan# 2407
Delta R.T. -0.015 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

Tgt Ion:178 Resp: 1215795
Ion Ratio Lower Upper
178 100
179 14.9 12.2 18.2
176 18.5 15.8 23.6





#74

Anthracene

Concen: 1.597 ng/ul

RT: 17.321 min Scan# 2423

Delta R.T. -0.015 min

Lab File: BG063785.D

Acq: 23 Dec 2024 15:44

Instrument :

BNA_G

ClientSampleId :

E2903MEDL

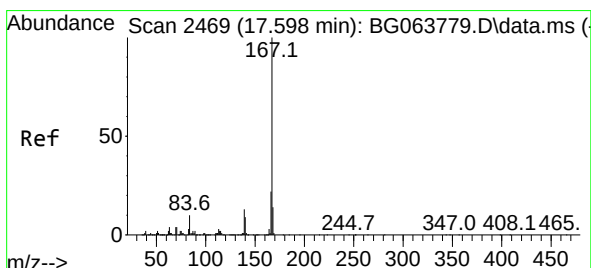
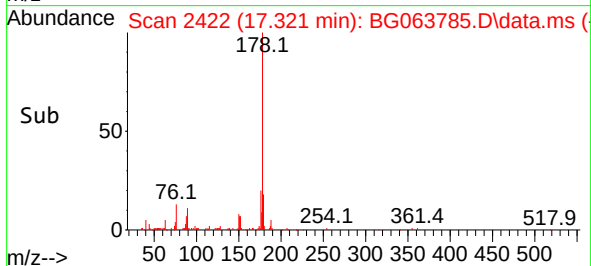
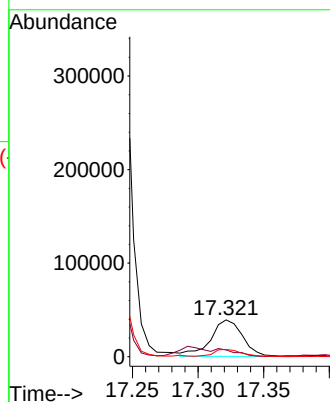
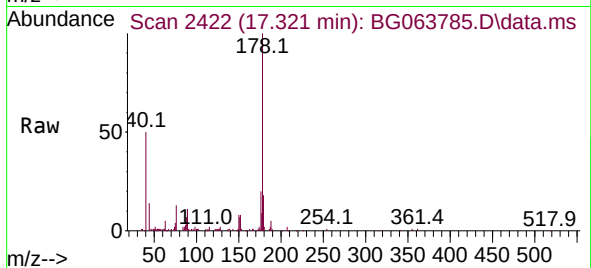
Tgt Ion:178	Resp:	6544
Ion Ratio	Lower	Upper
178	100	
179	18.1	12.4 18.6
176	19.7	14.4 21.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024



#77

Carbazole

Concen: 2.746 ng/ul

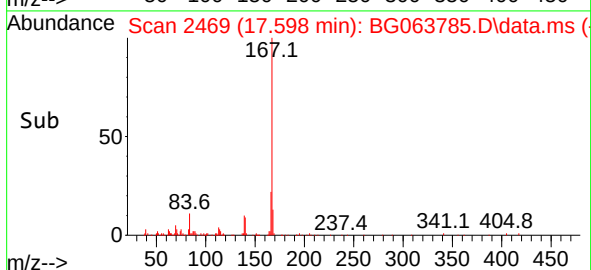
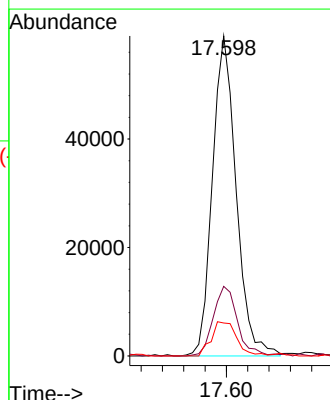
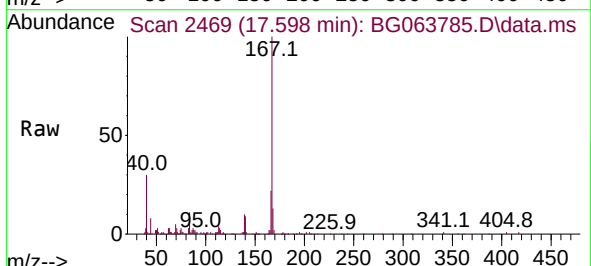
RT: 17.598 min Scan# 2469

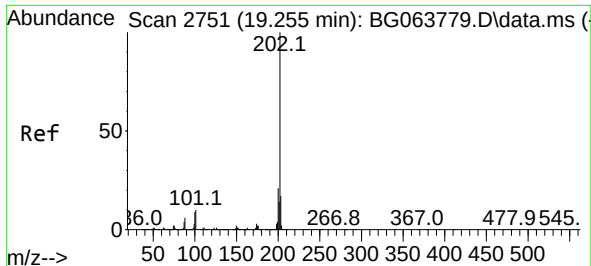
Delta R.T. -0.015 min

Lab File: BG063785.D

Acq: 23 Dec 2024 15:44

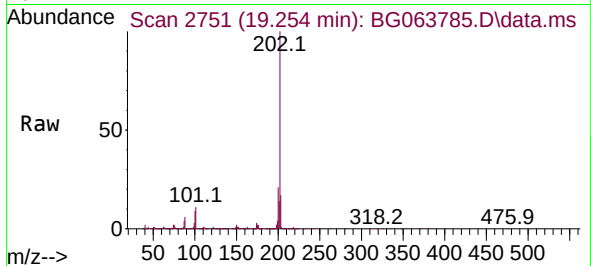
Tgt Ion:167	Resp:	91093
Ion Ratio	Lower	Upper
167	100	
166	21.8	18.2 27.4
139	10.3	10.1 15.1





#80
Fluoranthene
Concen: 24.964 ng/ul
RT: 19.254 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

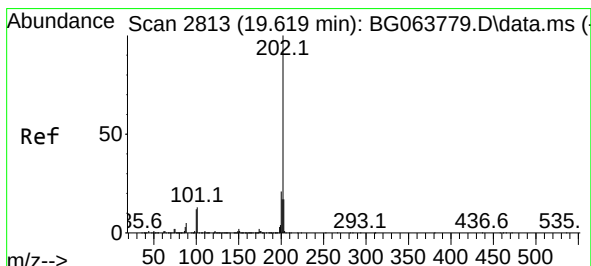
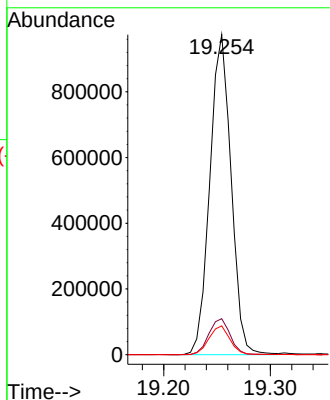
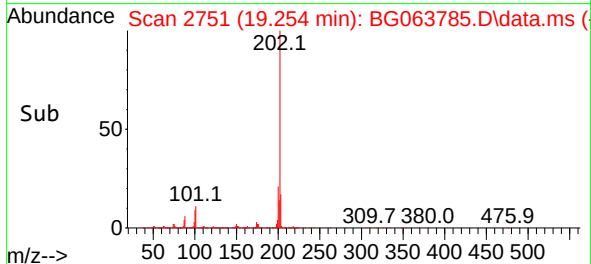
Instrument :
BNA_G
ClientSampleId :
E2903MEDL



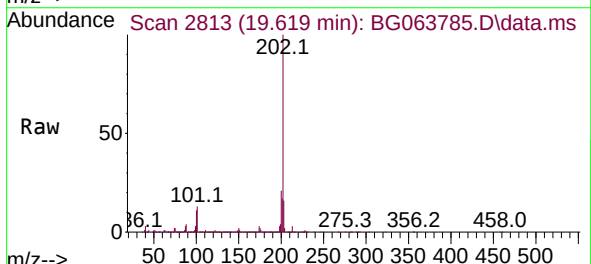
Tgt Ion:202 Resp: 1346304
Ion Ratio Lower Upper
202 100
101 11.3 8.1 12.1
100 9.0 6.5 9.7

Manual Integrations
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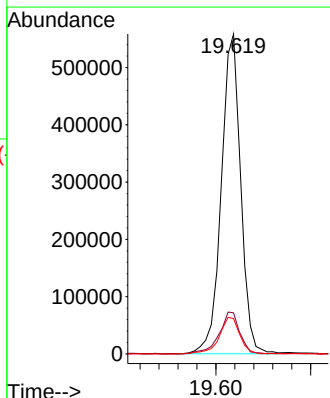
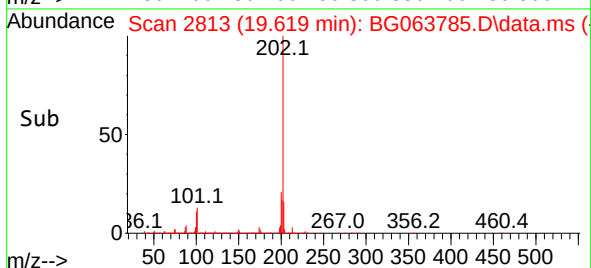
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024

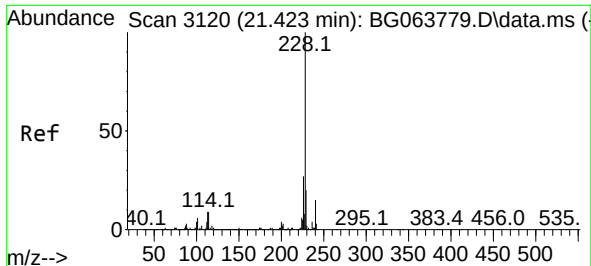


#82
Pyrene
Concen: 13.842 ng/ul
RT: 19.619 min Scan# 2813
Delta R.T. -0.015 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44



Tgt Ion:202 Resp: 794199
Ion Ratio Lower Upper
202 100
101 12.8 8.7 13.1
100 11.0 7.8 11.6





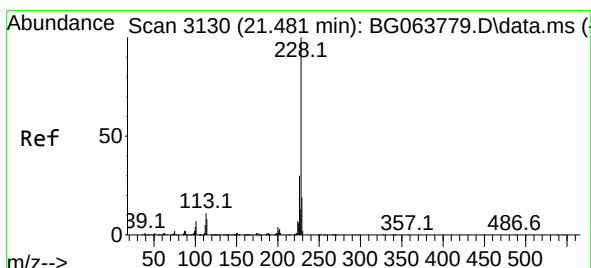
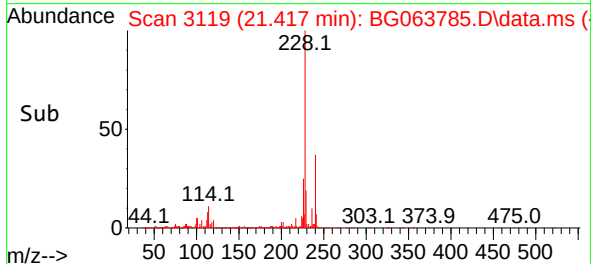
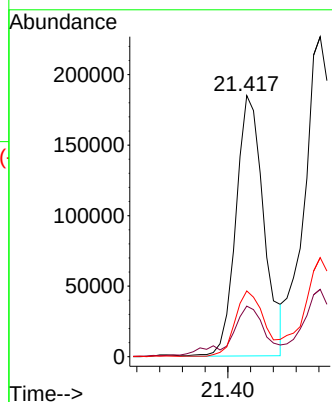
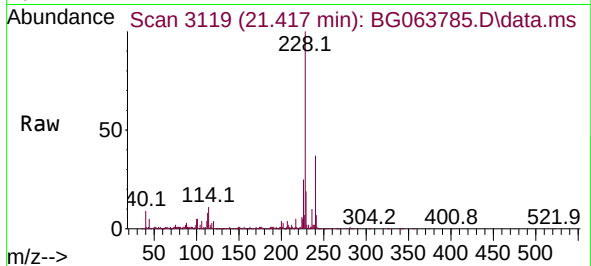
#85
Benzo(a)anthracene
Concen: 5.518 ng/ul
RT: 21.417 min Scan# 3119
Delta R.T. -0.026 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

Instrument :
BNA_G
ClientSampleId :
E2903MEDL

Tgt Ion:228 Resp: 31531
Ion Ratio Lower Upper
228 100
229 19.4 15.7 23.5
226 25.2 22.0 33.0

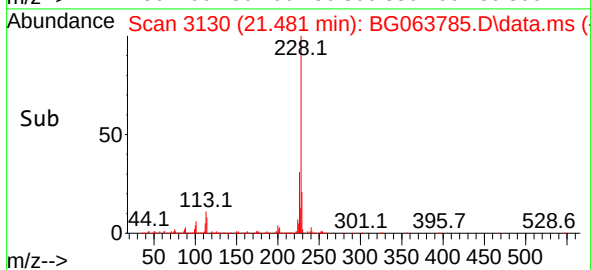
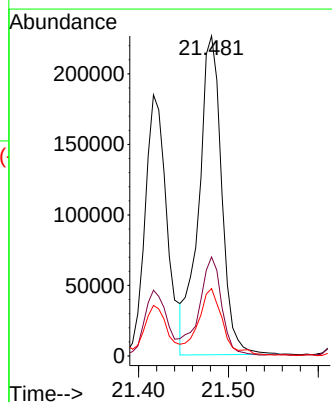
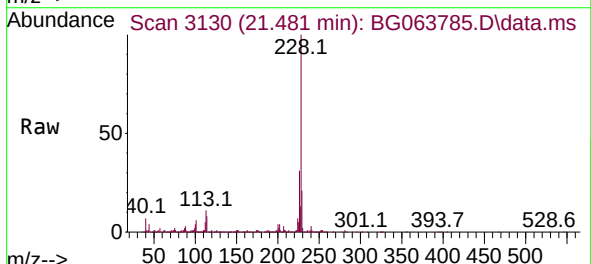
Manual Integrations
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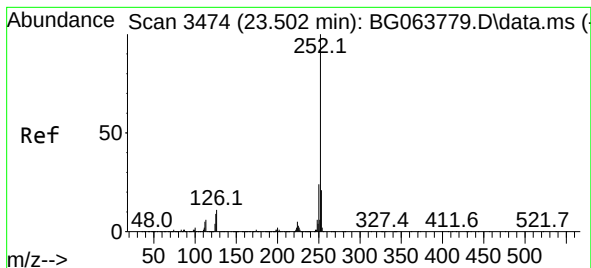
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#87
Chrysene
Concen: 7.374 ng/ul
RT: 21.481 min Scan# 3130
Delta R.T. -0.020 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

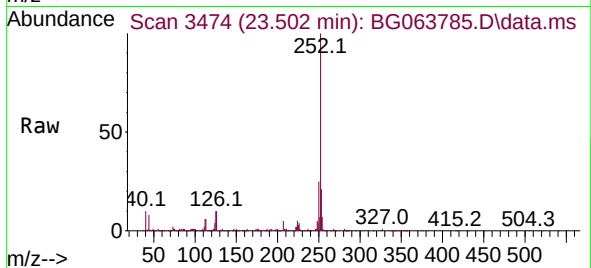
Tgt Ion:228 Resp: 401630
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.0
229 21.0 14.8 22.2





#90
Benzo(b)fluoranthene
Concen: 9.011 ng/ul
RT: 23.502 min Scan# 3474
Delta R.T. -0.020 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

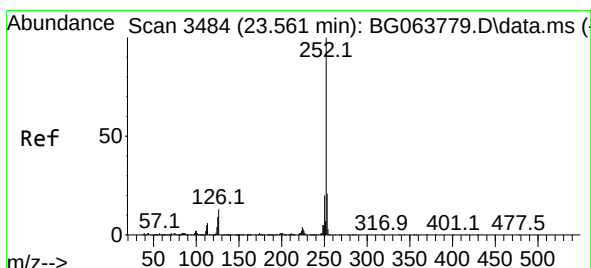
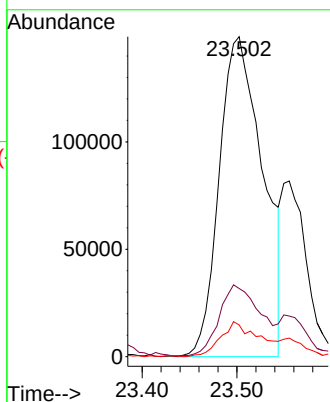
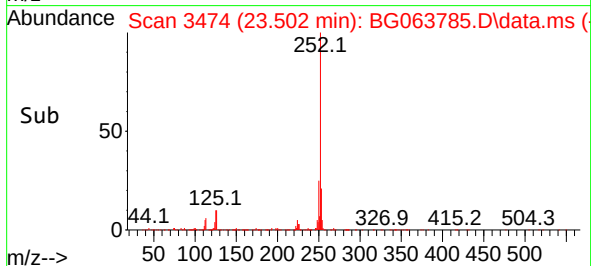
Instrument :
BNA_G
ClientSampleId :
E2903MEDL



Tgt Ion:252 Resp: 477304
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 9.9 7.0 10.4

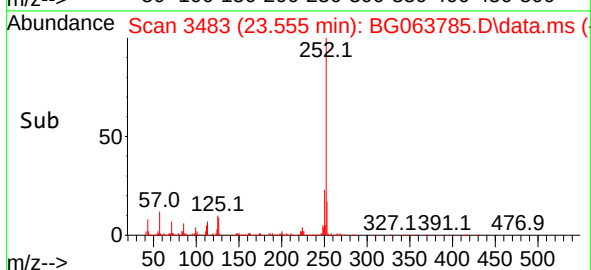
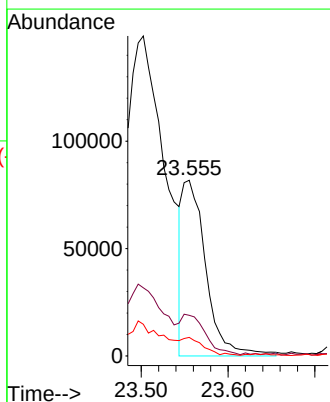
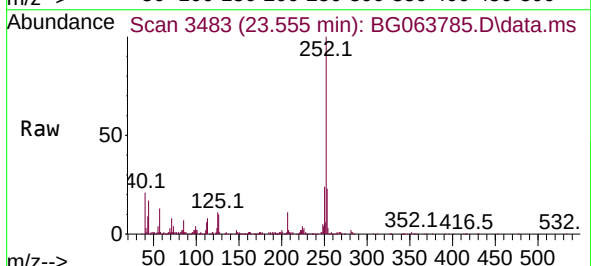
Manual Integrations
APPROVED

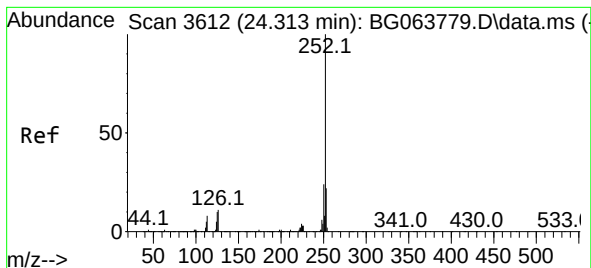
Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/26/2024



#91
Benzo(k)fluoranthene
Concen: 2.909 ng/ul m
RT: 23.555 min Scan# 3483
Delta R.T. -0.032 min
Lab File: BG063785.D
Acq: 23 Dec 2024 15:44

Tgt Ion:252 Resp: 153699
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.6 6.5 9.7#





#93

Benzo(a)pyrene

Concen: 2.414 ng/ul

RT: 24.301 min Scan# 30

Delta R.T. -0.038 min

Lab File: BG063785.D

Acq: 23 Dec 2024 15:44

Instrument :

BNA_G

ClientSampleId :

E2903MEDL

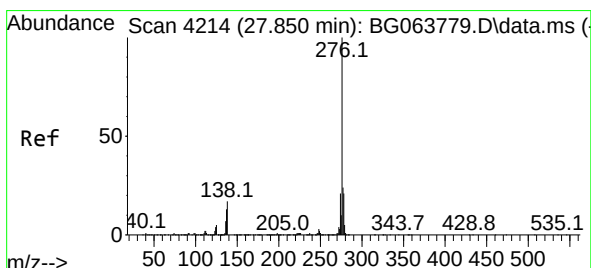
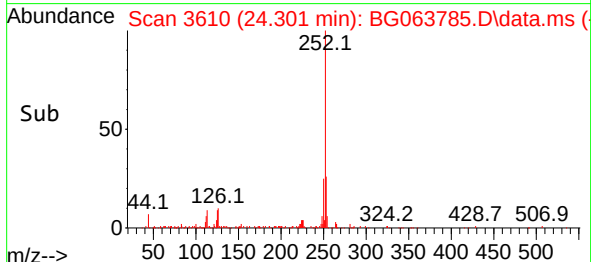
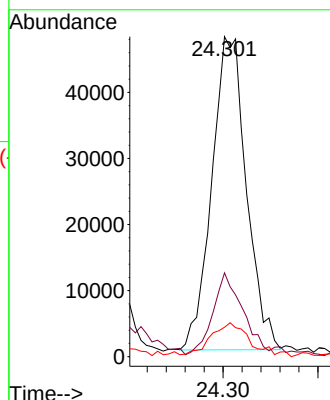
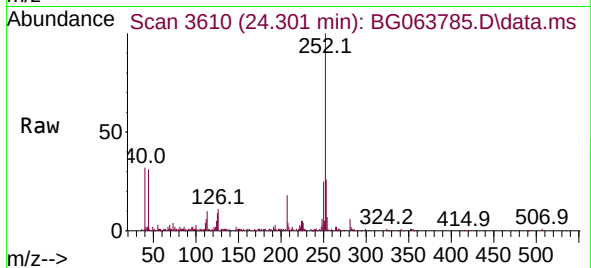
Tgt Ion:	252	Resp:	12004
Ion Ratio	Lower	Upper	
252	100		
253	26.2	16.6	24.8
125	9.2	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/24/2024

Supervised By :mohammad ahmed 12/26/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.411 ng/ul m

RT: 27.844 min Scan# 4213

Delta R.T. -0.044 min

Lab File: BG063785.D

Acq: 23 Dec 2024 15:44

Tgt Ion:	276	Resp:	146419
Ion Ratio	Lower	Upper	
276	100		
138	17.4	13.7	20.5
277	23.3	18.4	27.6

