

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYG7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 04:31:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.314	152	83958	20.000	ng/ul	0.00
20) Naphthalene-d8	11.152	136	383143	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.942	164	265010	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.685	188	606262	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.016	240	535970	20.000	ng/ul	# 0.00
88) Perylene-d12	25.582	264	625889	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.631	96	3506m	1.775	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.421	99	85699	10.122	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.632	67	57541	11.590	ng/ul	0.00
11) 2-Chlorophenol-d4	7.826	132	59955	11.041	ng/ul	0.00
15) 4-Methylphenol-d8	8.990	113	35176	5.378	ng/ul	0.00
21) Nitrobenzene-d5	9.501	128	35816	12.887	ng/ul	0.00
24) 2-Nitrophenol-d4	10.224	143	44488	14.589	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.746	165	79901	12.328	ng/ul	0.00
31) 4-Chloroaniline-d4	11.293	131	35080	4.025	ng/ul	0.00
46) Dimethylphthalate-d6	14.330	166	325332	15.826	ng/ul	0.00
49) Acenaphthylene-d8	14.642	160	367478	16.053	ng/ul	0.00
54) 4-Nitrophenol-d4	15.100	143	25198	7.380	ng/ul	0.00
60) Fluorene-d10	15.923	176	300733	16.485	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.023	200	27055	9.091	ng/ul	0.00
73) Anthracene-d10	17.785	188	458618	17.040	ng/ul	0.00
81) Pyrene-d10	20.059	212	506756	17.849	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.335	264	502818	16.388	ng/ul	0.01
Target Compounds						
					Qvalue	
16) Acetophenone	9.154	105	20383m	1.880	ng/ul	
30) Naphthalene	11.205	128	80243	3.973	ng/ul#	95
36) 2-Methylnaphthalene	12.785	142	50479	3.350	ng/ul#	79
37) 1-Methylnaphthalene	13.008	142	34735	2.337	ng/ul#	78
44) 2-Chloronaphthalene	13.831	162	46234	3.056	ng/ul	97
52) Acenaphthene	15.000	153	35770	2.136	ng/ul	96
56) Dibenzofuran	15.329	168	36743	1.515	ng/ul#	88
61) Fluorene	15.981	166	63151m	3.168	ng/ul	
67) N-Nitrosodiphenylamine	16.181	169	165457	10.354	ng/ul	100
72) Phenanthrene	17.732	178	619554	20.136	ng/ul	98
74) Anthracene	17.820	178	146639	4.689	ng/ul	98
77) Carbazole	18.097	167	62839	2.400	ng/ul#	84
80) Fluoranthene	19.724	202	827419	25.096	ng/ul	99
82) Pyrene	20.094	202	722564	21.081	ng/ul	99
85) Benzo(a)anthracene	21.992	228	383123	10.659	ng/ul#	91
87) Chrysene	22.068	228	420751	12.592	ng/ul#	91
90) Benzo(b)fluoranthene	24.425	252	588575m	15.786	ng/ul	
91) Benzo(k)fluoranthene	24.501	252	167565m	4.398	ng/ul	
93) Benzo(a)pyrene	25.406	252	356488	10.248	ng/ul#	93
94) Indeno(1,2,3-cd)pyrene	29.695	276	274647m	6.248	ng/ul	
95) Dibenzo(a,h)anthracene	29.783	278	84433m	2.318	ng/ul	
96) Benzo(g,h,i)perylene	31.011	276	254415m	7.313	ng/ul	

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

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

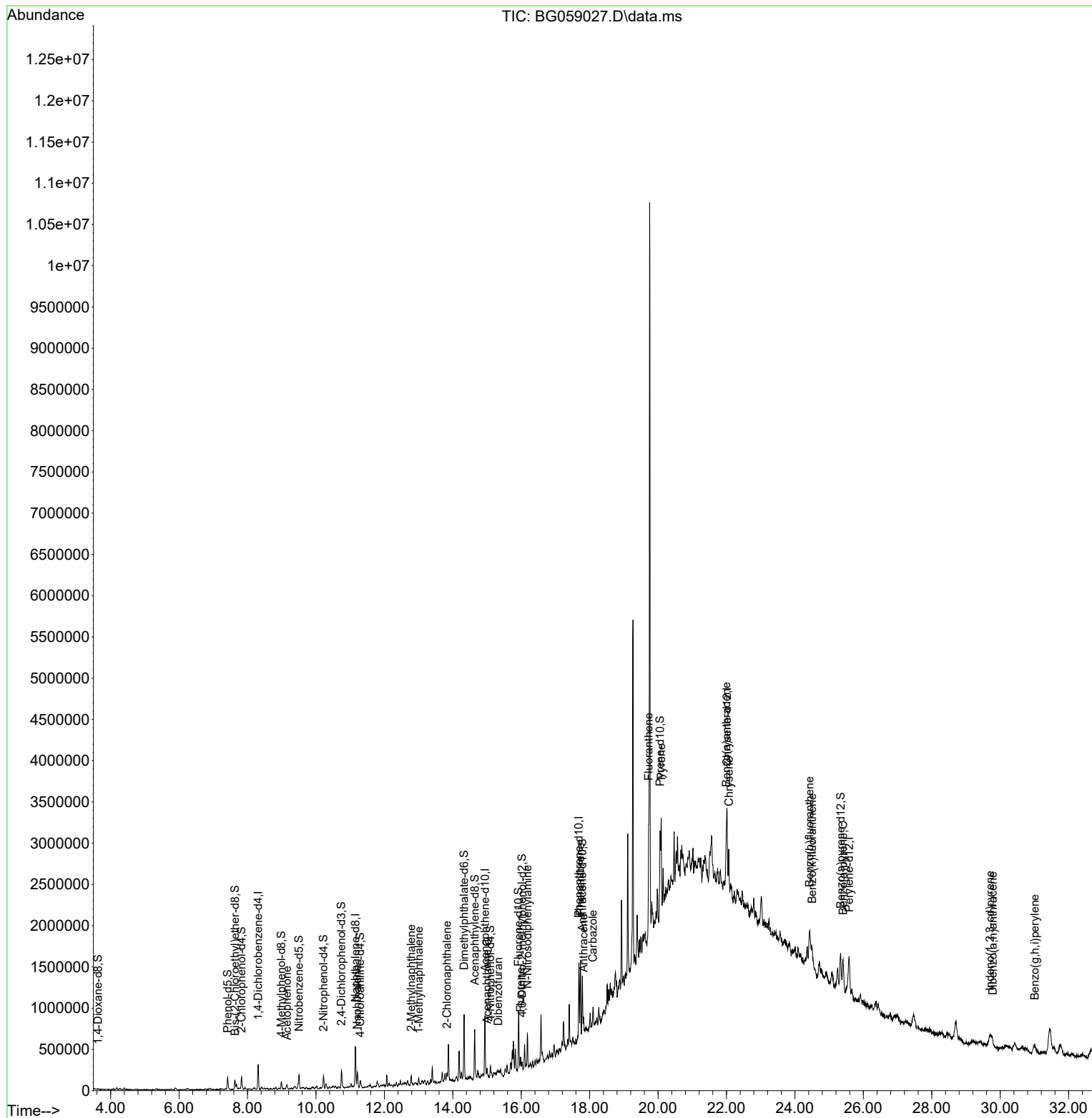
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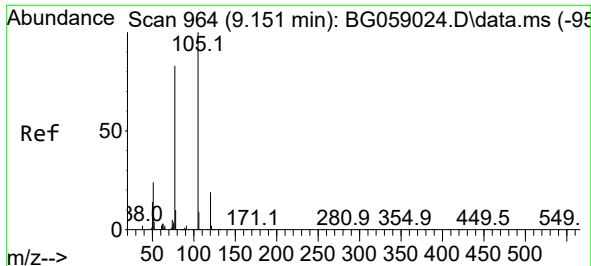
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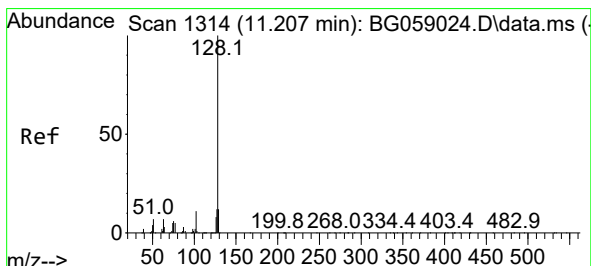
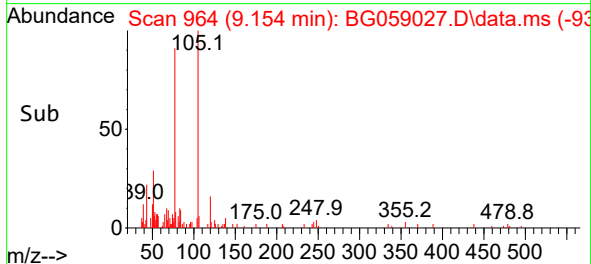
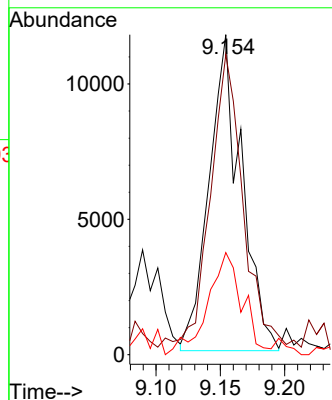
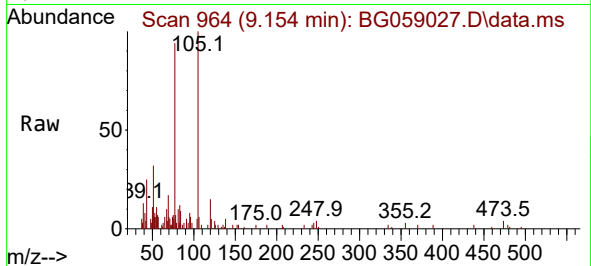
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Acetophenone
Concen: 1.880 ng/ul m
RT: 9.154 min Scan# 9
Delta R.T. 0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

Instrument :
BNA_G
ClientSampleId :
EZYG7

Tgt Ion:105 Resp: 2038
Ion Ratio Lower Upper
105 100
77 93.8 67.3 100.9
51 31.9 19.3 28.9

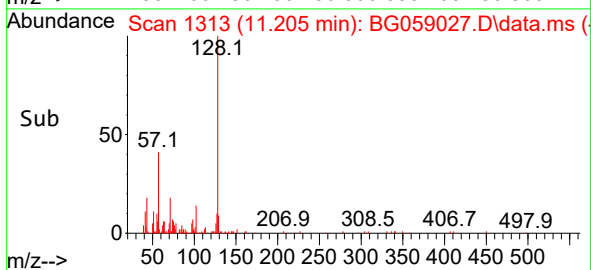
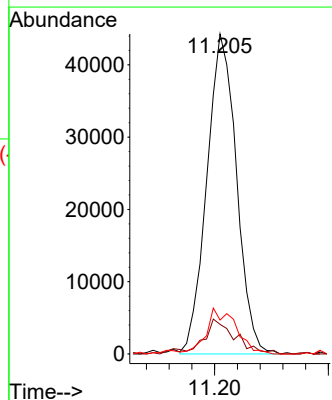
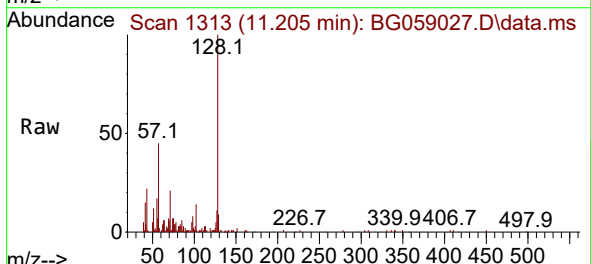
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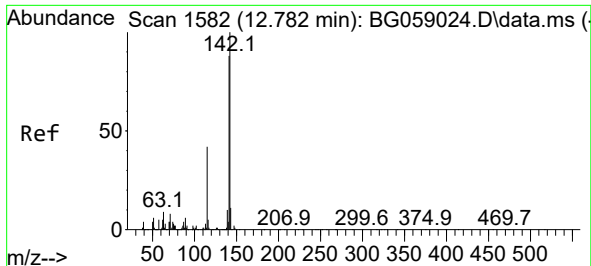
Reviewed By :Yogesh Patel 09/13/2023
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#30
Naphthalene
Concen: 3.973 ng/ul
RT: 11.205 min Scan# 1313
Delta R.T. -0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

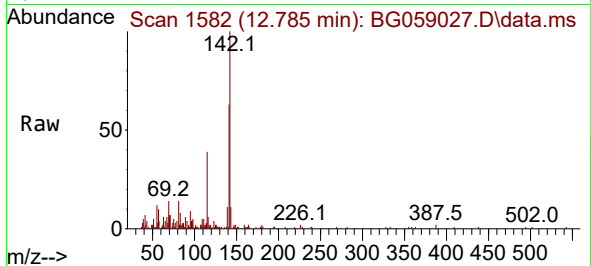
Tgt Ion:128 Resp: 80243
Ion Ratio Lower Upper
128 100
129 9.2 8.2 12.2
127 10.6 10.9 16.3





#36
2-Methylnaphthalene
Concen: 3.350 ng/ul
RT: 12.785 min Scan# 1582
Delta R.T. -0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

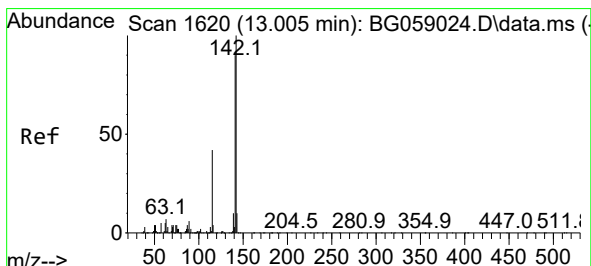
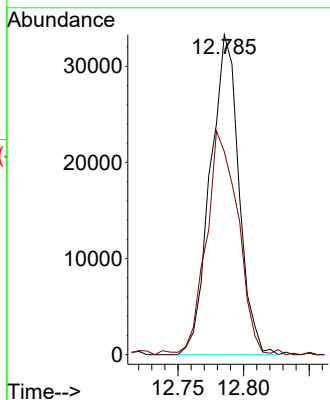
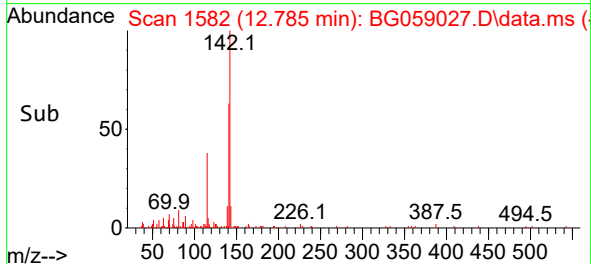
Instrument :
BNA_G
ClientSampleId :
EZYG7



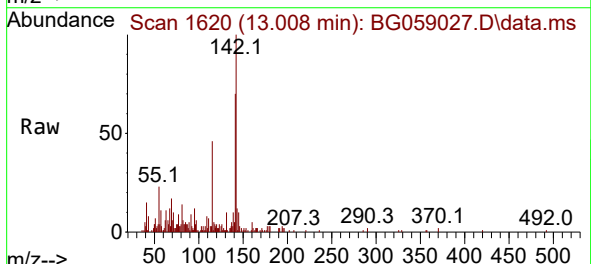
Tgt Ion:142 Resp: 50479
Ion Ratio Lower Upper
142 100
141 63.5 65.7 98.5

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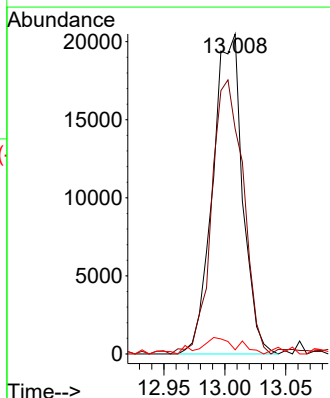
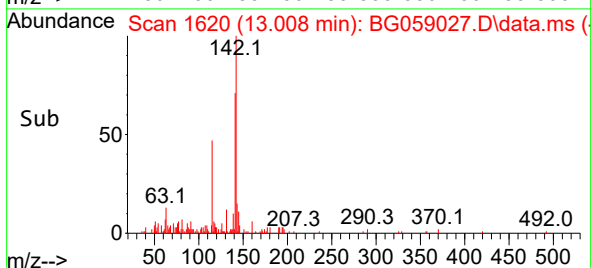
Reviewed By :Yogesh Patel 09/13/2023
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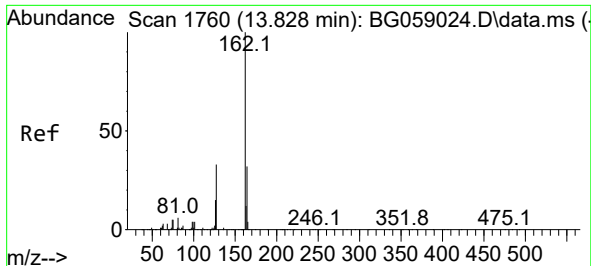


#37
1-Methylnaphthalene
Concen: 2.337 ng/ul
RT: 13.008 min Scan# 1620
Delta R.T. 0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52



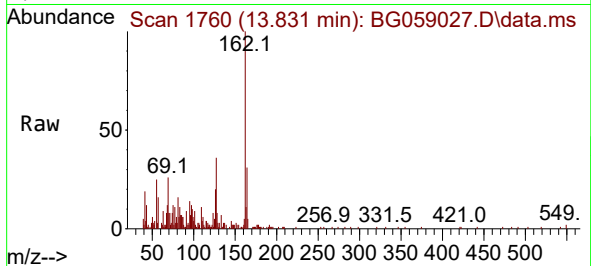
Tgt Ion:142 Resp: 34735
Ion Ratio Lower Upper
142 100
141 70.4 73.1 109.7#
116 1.3 3.4 5.0#





#44
2-Chloronaphthalene
Concen: 3.056 ng/ul
RT: 13.831 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

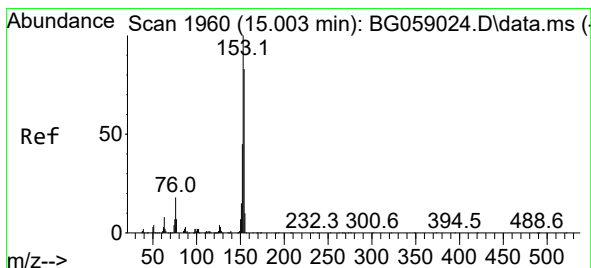
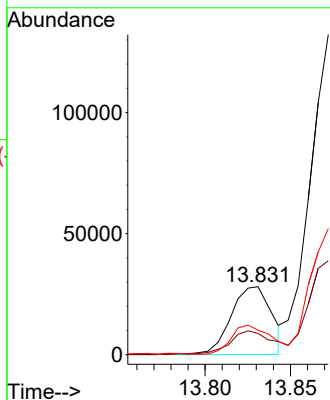
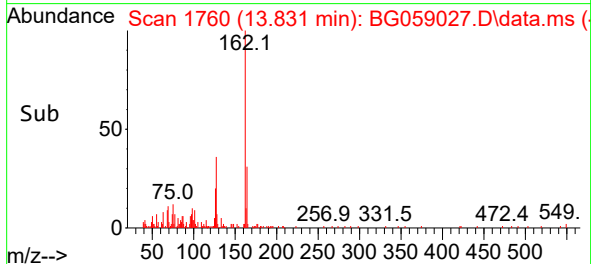
Instrument :
BNA_G
ClientSampleId :
EZYG7



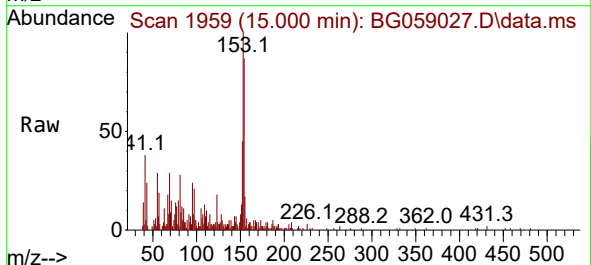
Tgt Ion:162 Resp: 46234
Ion Ratio Lower Upper
162 100
164 31.2 27.6 41.4
127 36.0 29.4 44.0

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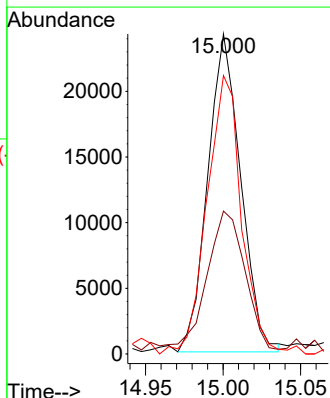
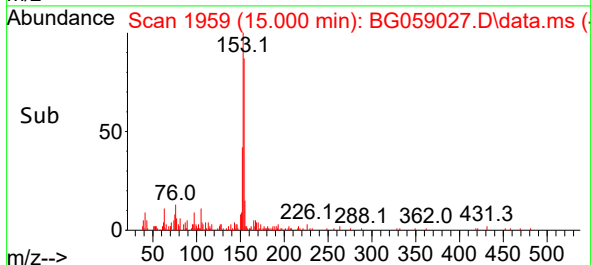
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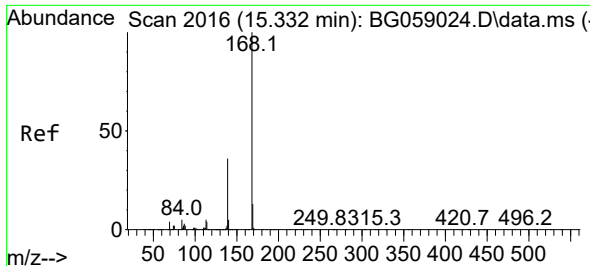


#52
Acenaphthene
Concen: 2.136 ng/ul
RT: 15.000 min Scan# 1959
Delta R.T. -0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52



Tgt Ion:153 Resp: 35770
Ion Ratio Lower Upper
153 100
152 44.6 36.5 54.7
154 87.0 74.1 111.1





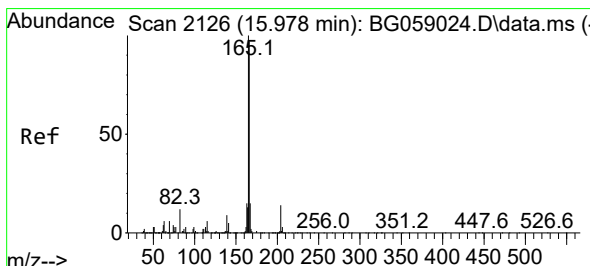
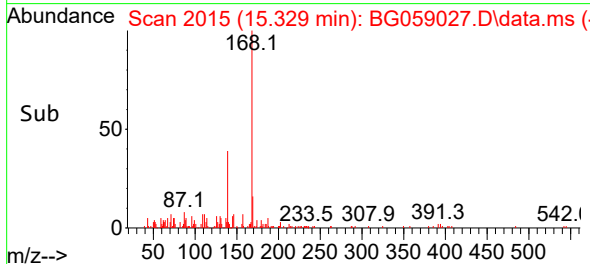
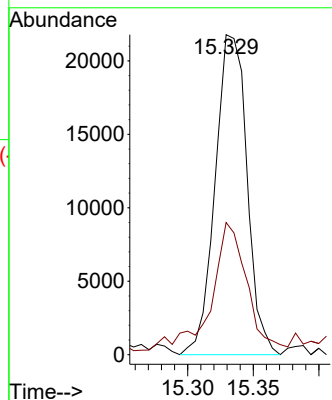
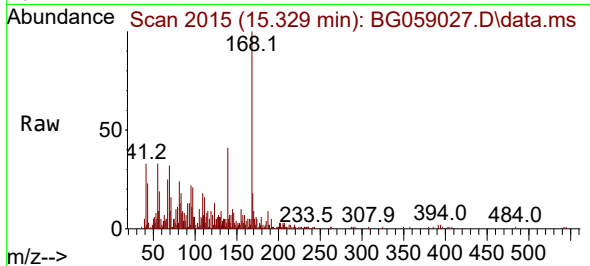
#56
Dibenzofuran
Concen: 1.515 ng/ul
RT: 15.329 min Scan# 2016
Delta R.T. -0.009 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

Instrument :
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Tgt Ion:168 Resp: 3674
Ion Ratio Lower Upper
168 100
139 41.3 27.4 41.2

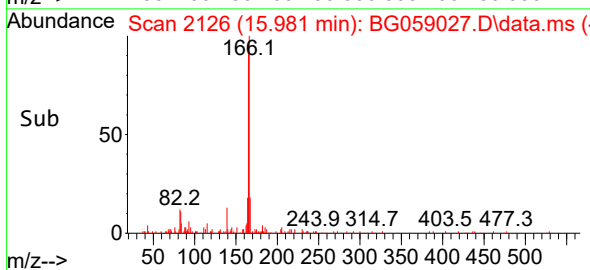
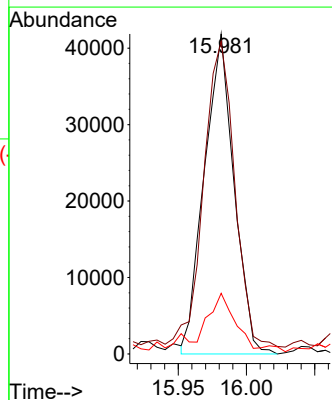
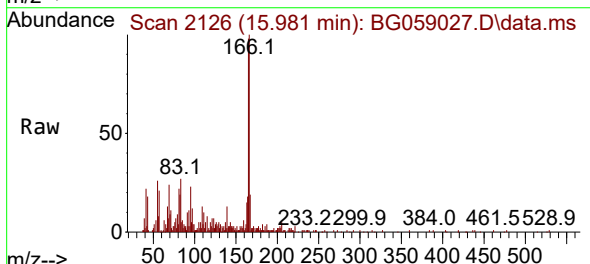
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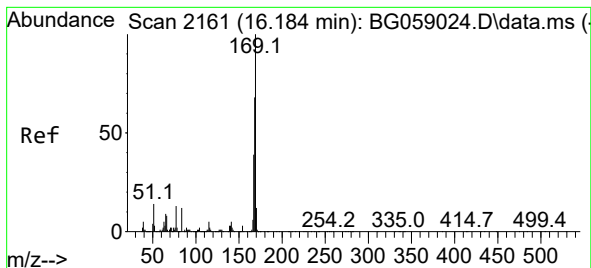
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#61
Fluorene
Concen: 3.168 ng/ul m
RT: 15.981 min Scan# 2126
Delta R.T. -0.003 min
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Tgt Ion:166 Resp: 63151
Ion Ratio Lower Upper
166 100
165 97.7 76.4 114.6
167 18.9 9.3 13.9





#67

N-Nitrosodiphenylamine

Concen: 10.354 ng/ul

RT: 16.181 min Scan# 2161

Delta R.T. -0.003 min

Lab File: BG059027.D

Acq: 13 Sep 2023 2:52

Instrument :

BNA_G

ClientSampleId :

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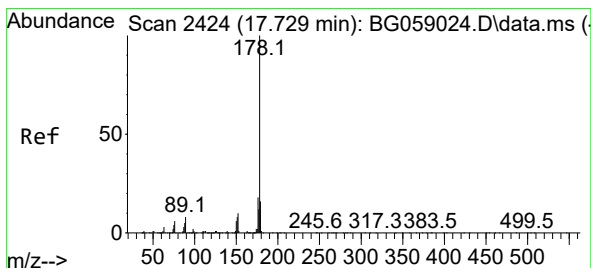
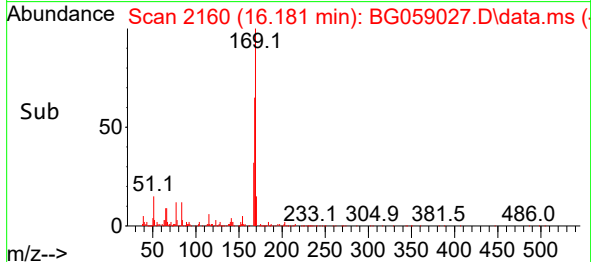
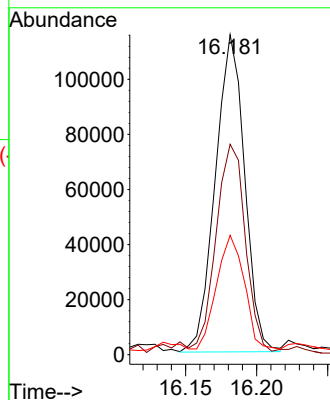
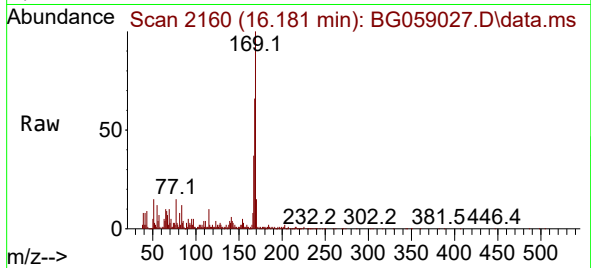
Tgt Ion:	169	Resp:	16545
Ion Ratio	Lower	Upper	
169	100		
168	65.8	53.0	79.6
167	37.3	29.8	44.6

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#72

Phenanthrene

Concen: 20.136 ng/ul

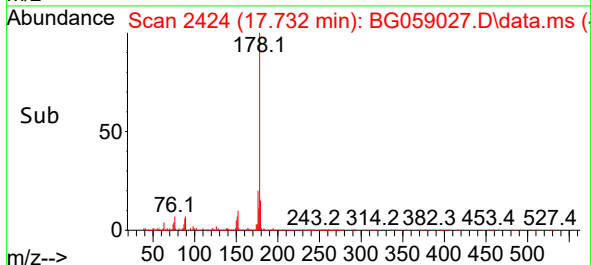
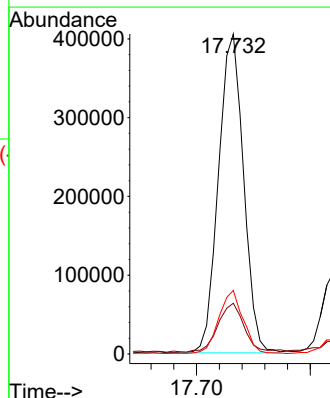
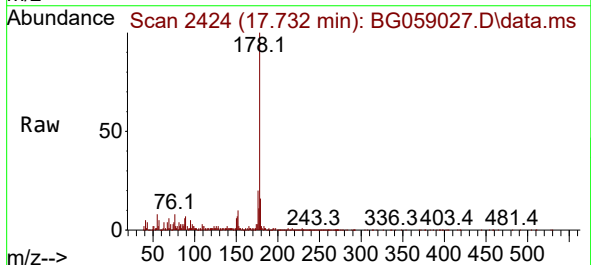
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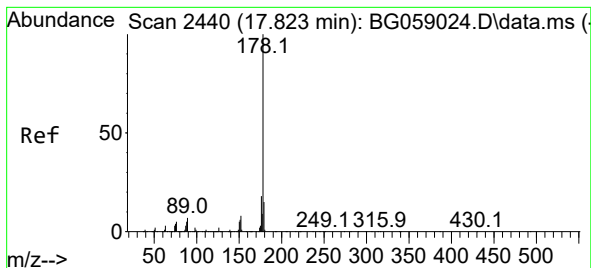
Delta R.T. 0.003 min

Lab File: BG059027.D

Acq: 13 Sep 2023 2:52

Tgt Ion:	178	Resp:	619554
Ion Ratio	Lower	Upper	
178	100		
179	15.8	11.8	17.8
176	19.8	15.1	22.7





#74

Anthracene

Concen: 4.689 ng/ul

RT: 17.820 min Scan# 2440

Delta R.T. -0.003 min

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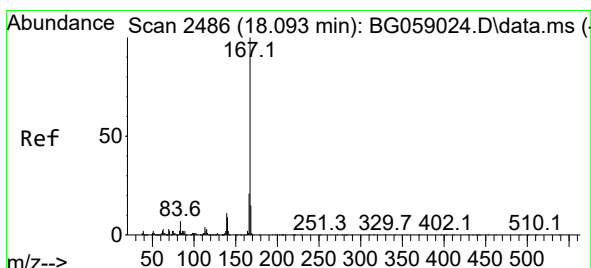
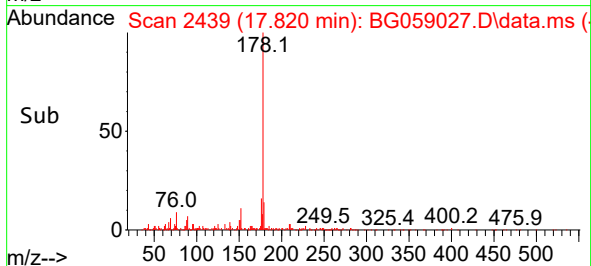
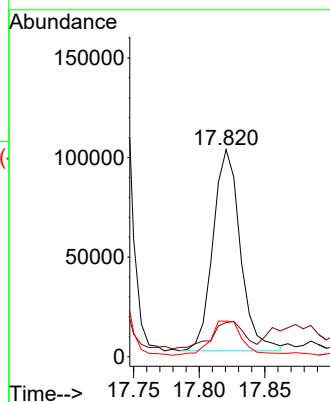
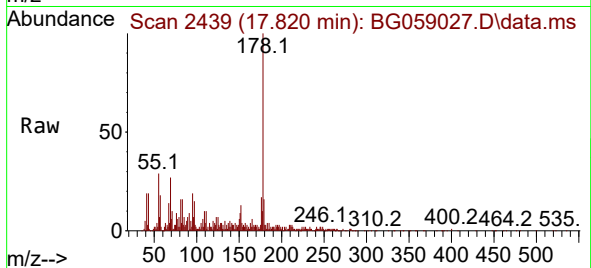
Tgt Ion:178	Resp: 146639
Ion Ratio	Lower Upper
178 100	
179 16.4	12.2 18.4
176 17.2	14.4 21.6

Manual Integrations

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#77

Carbazole

Concen: 2.400 ng/ul

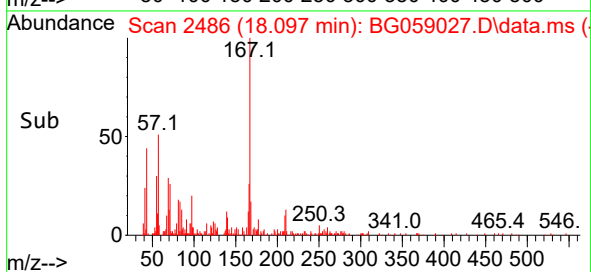
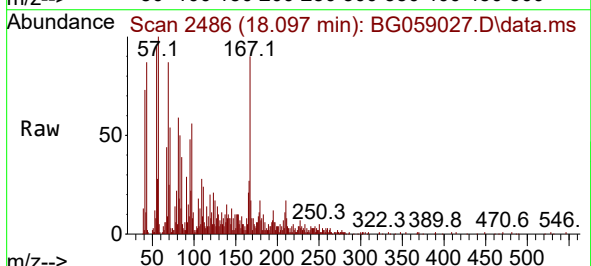
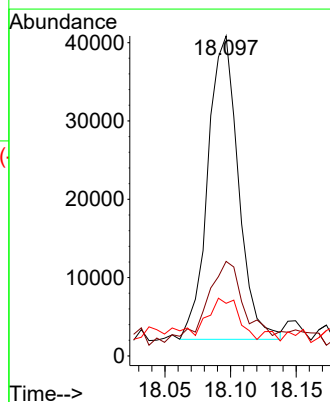
RT: 18.097 min Scan# 2486

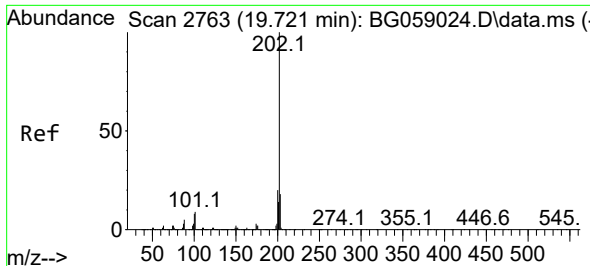
Delta R.T. -0.003 min

Lab File: BG059027.D

Acq: 13 Sep 2023 2:52

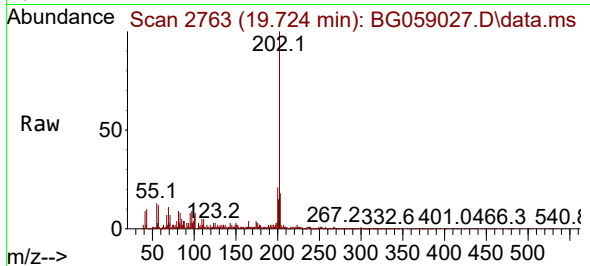
Tgt Ion:167	Resp: 62839
Ion Ratio	Lower Upper
167 100	
166 29.5	16.8 25.2#
139 16.5	9.4 14.2#





#80
Fluoranthene
Concen: 25.096 ng/ul
RT: 19.724 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

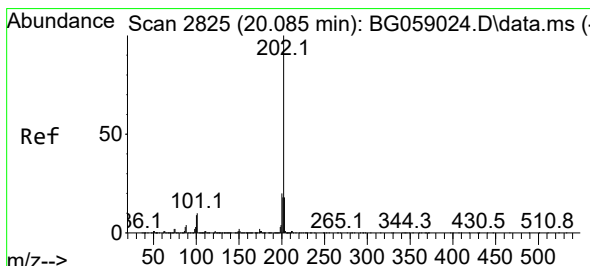
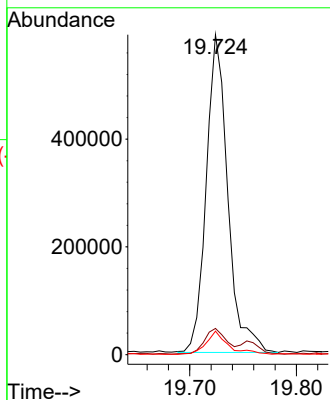
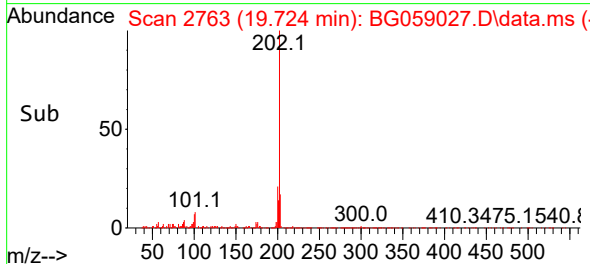
Instrument :
BNA_G
ClientSampleId :
EZYG7



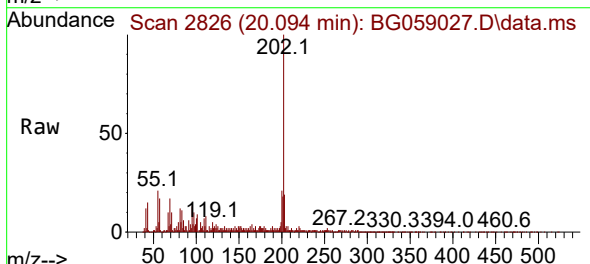
Tgt Ion:202 Resp: 827419
Ion Ratio Lower Upper
202 100
101 8.2 6.1 9.1
100 7.3 5.9 8.9

Manual Integrations
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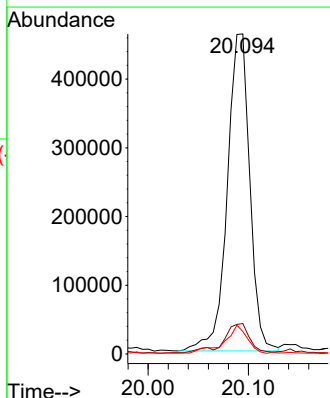
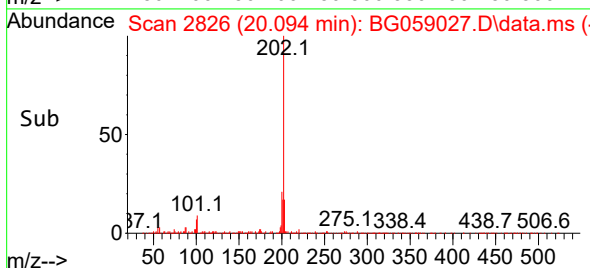
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

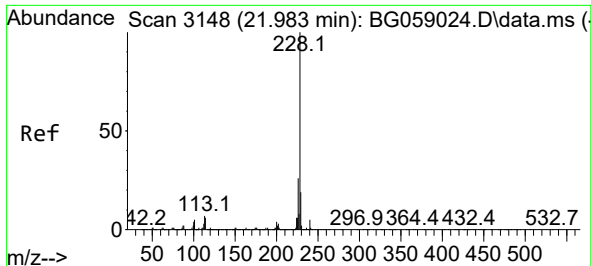


#82
Pyrene
Concen: 21.081 ng/ul
RT: 20.094 min Scan# 2826
Delta R.T. 0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52



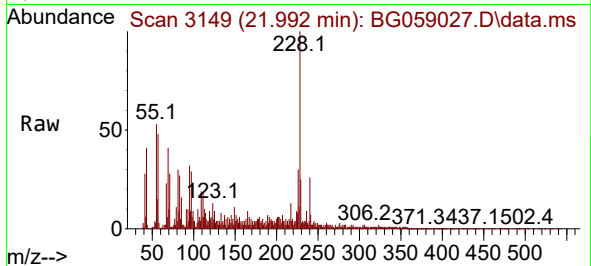
Tgt Ion:202 Resp: 722564
Ion Ratio Lower Upper
202 100
101 9.5 7.5 11.3
100 7.0 6.3 9.5





#85
Benzo(a)anthracene
Concen: 10.659 ng/uI
RT: 21.992 min Scan# 3149
Delta R.T. 0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

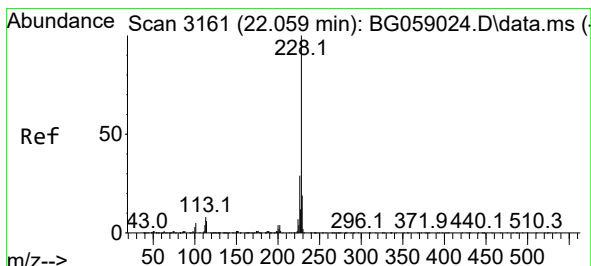
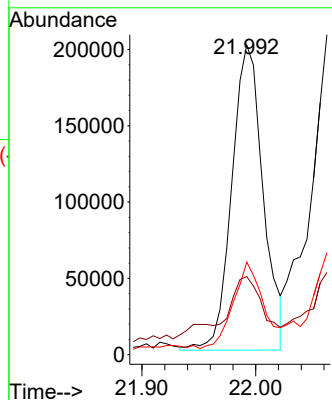
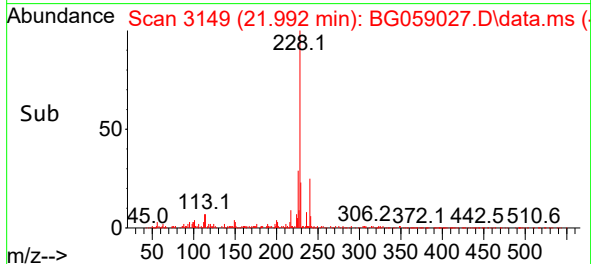
Instrument :
BNA_G
ClientSampleId :
EZYG7



Tgt Ion:228 Resp: 38312
Ion Ratio Lower Upper
228 100
229 25.2 16.0 24.0
226 29.9 20.8 31.2

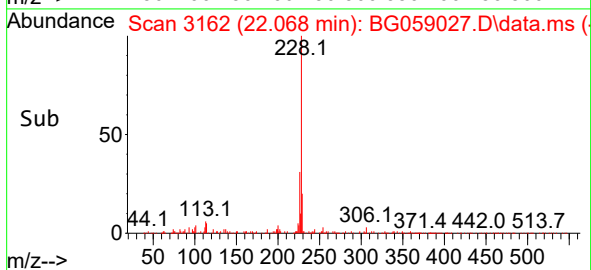
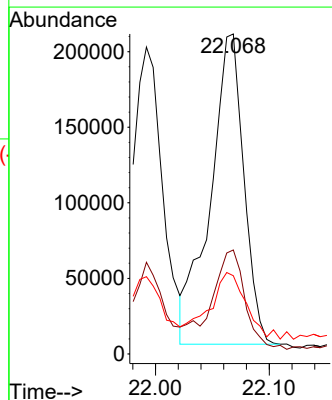
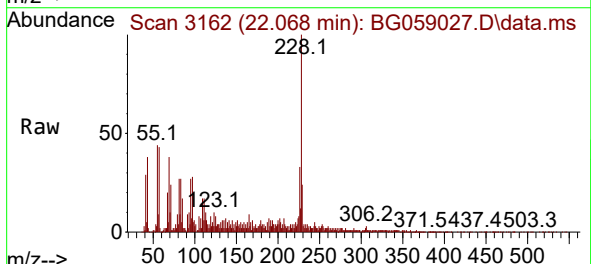
Manual Integrations
APPROVED

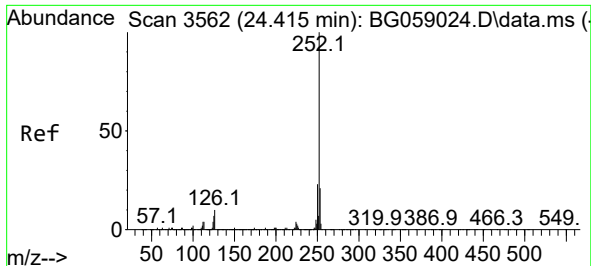
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#87
Chrysene
Concen: 12.592 ng/uI
RT: 22.068 min Scan# 3162
Delta R.T. 0.009 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

Tgt Ion:228 Resp: 420751
Ion Ratio Lower Upper
228 100
226 32.5 23.2 34.8
229 24.5 15.3 22.9#





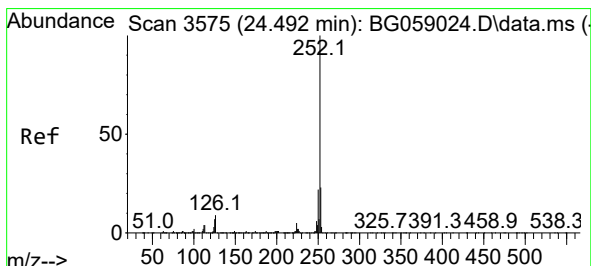
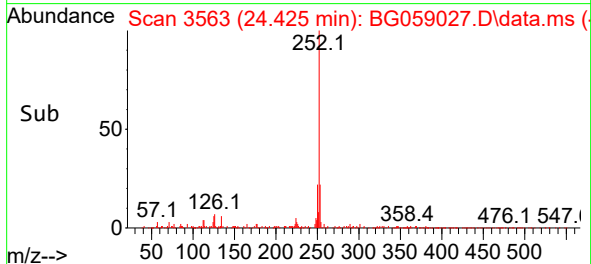
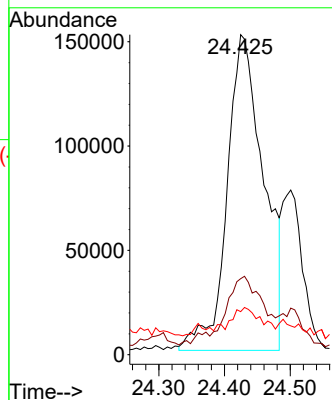
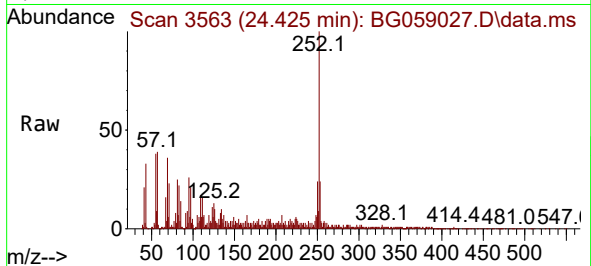
#90
Benzo(b)fluoranthene
Concen: 15.786 ng/ul m
RT: 24.425 min Scan# 3562
Delta R.T. 0.009 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

Instrument :
BNA_G
ClientSampleId :
EZYG7

Tgt Ion:252 Resp: 58857
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 13.5 6.2 9.2

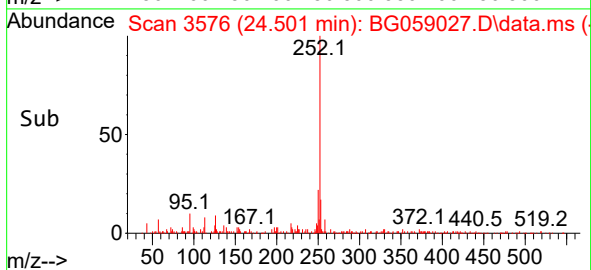
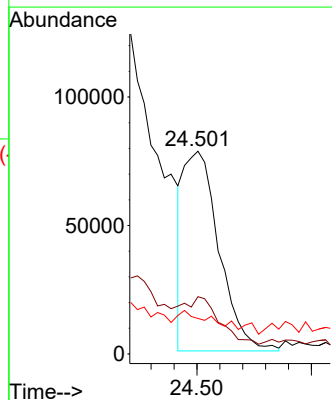
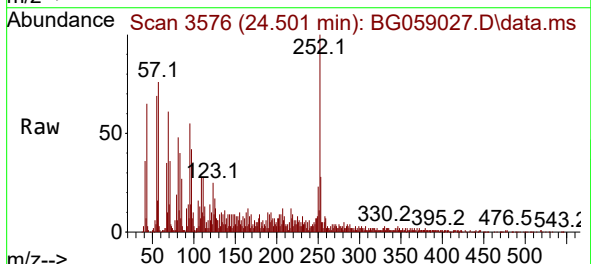
Manual Integrations
APPROVED

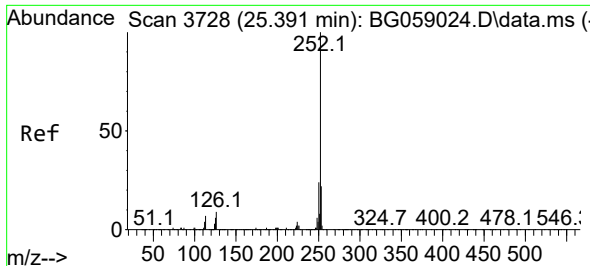
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#91
Benzo(k)fluoranthene
Concen: 4.398 ng/ul m
RT: 24.501 min Scan# 3576
Delta R.T. 0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

Tgt Ion:252 Resp: 167565
Ion Ratio Lower Upper
252 100
253 28.3 19.1 28.7
125 17.5 5.0 7.4





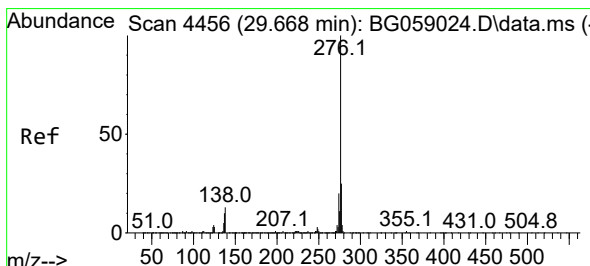
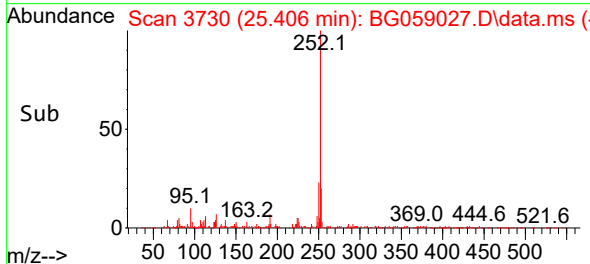
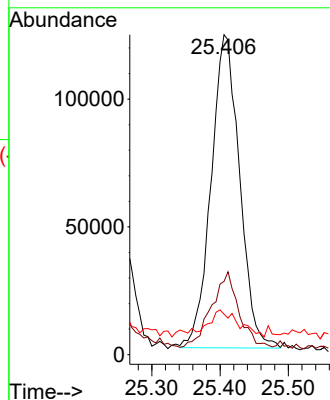
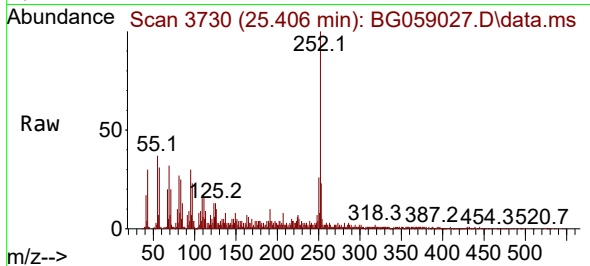
#93
Benzo(a)pyrene
Concen: 10.248 ng/ul
RT: 25.406 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

Instrument :
BNA_G
ClientSampleId :
EZYG7

Tgt Ion:252 Resp: 35648
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 12.6 5.3 7.9

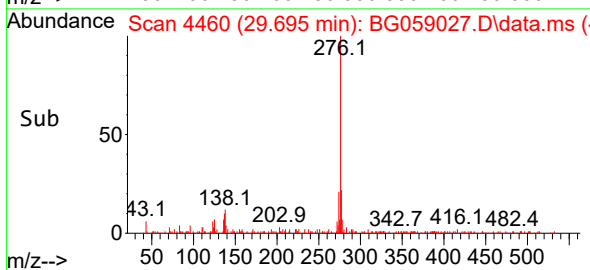
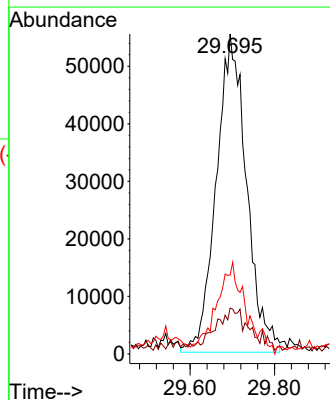
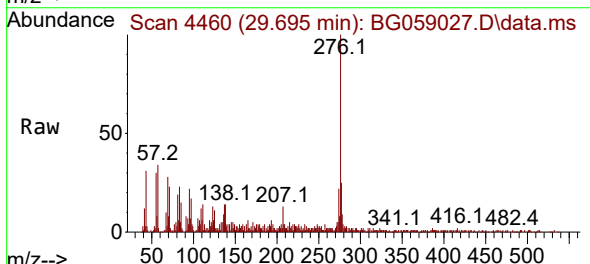
Manual Integrations
APPROVED

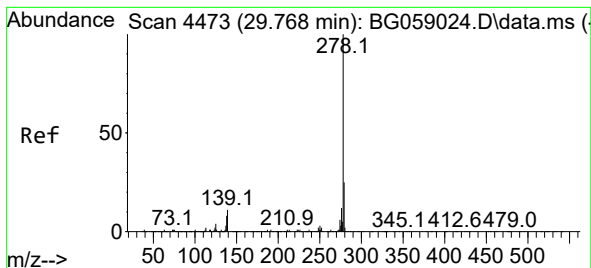
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 6.248 ng/ul m
RT: 29.695 min Scan# 4460
Delta R.T. 0.014 min
Lab File: BG059027.D
Acq: 13 Sep 2023 2:52

Tgt Ion:276 Resp: 274647
Ion Ratio Lower Upper
276 100
138 14.3 11.8 17.8
277 24.7 20.7 31.1





#95

Dibenzo(a,h)anthracene

Concen: 2.318 ng/ul m

RT: 29.783 min Scan# 4473

Delta R.T. 0.009 min

Lab File: BG059027.D

Acq: 13 Sep 2023 2:52

Instrument :

BNA_G

ClientSampleId :

EZYG7

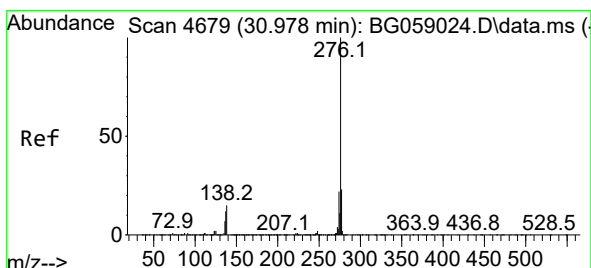
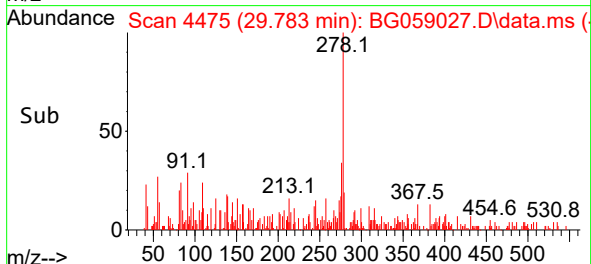
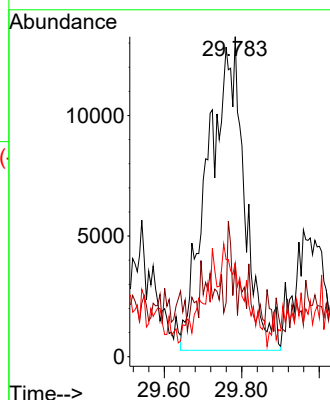
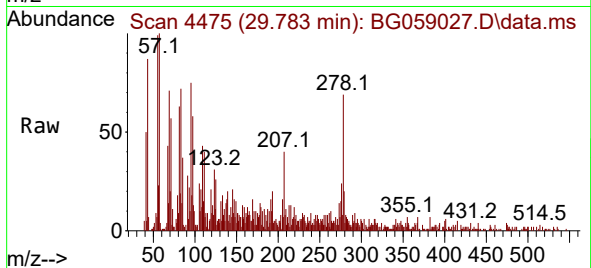
Tgt Ion:	278	Resp:	8443
Ion Ratio	Lower	Upper	
278	100		
139	29.1	9.8	14.8
279	29.3	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#96

Benzo(g,h,i)perylene

Concen: 7.313 ng/ul m

RT: 31.011 min Scan# 4684

Delta R.T. 0.020 min

Lab File: BG059027.D

Acq: 13 Sep 2023 2:52

Tgt Ion:	276	Resp:	254415
Ion Ratio	Lower	Upper	
276	100		
138	18.4	11.4	17.2
277	21.7	17.4	26.2

