

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059792.D
 Acq On : 21 Nov 2023 14:50
 Operator : MA/JU
 Sample : 05380-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/23/2023

Quant Time: Nov 22 09:53:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.335	152	22659	20.000	ng	# 0.00
21) Naphthalene-d8	11.185	136	101174	20.000	ng	# 0.00
39) Acenaphthene-d10	14.963	164	94366	20.000	ng	# 0.00
64) Phenanthrene-d10	17.718	188	246792	20.000	ng	# 0.00
76) Chrysene-d12	22.048	240	188486	20.000	ng	# 0.00
86) Perylene-d12	25.644	264	175911	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	75022	55.727	ng	0.00
7) Phenol-d6	7.454	99	107974	54.123	ng	0.00
23) Nitrobenzene-d5	9.534	82	120948	45.656	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	88240	82.413	ng	0.00
45) 2-Fluorobiphenyl	13.588	172	220241	31.415	ng	0.00
79) Terphenyl-d14	20.292	244	460102	36.036	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.528	70	19577	12.461	ng	# 83
49) Acenaphthylene	14.704	152	19588	2.257	ng	# 78
58) Fluorene	16.003	166	23175	3.242	ng	# 76
71) Phenanthrene	17.759	178	408425	32.550	ng	99
72) Anthracene	17.853	178	120411	9.236	ng	98
75) Fluoranthene	19.757	202	1092523	72.606	ng	99
77) Benzidine	20.292	184	19232	4.500	ng	99
78) Pyrene	20.121	202	915312	71.372	ng	98
81) Benzo(a)anthracene	22.025	228	575792	44.647	ng	97
83) Chrysene	22.101	228	472609	39.976	ng	94
84) Bis(2-ethylhexyl)phtha...	21.849	149	18609	2.531	ng	# 88
87) Indeno(1,2,3-cd)pyrene	29.804	276	156479	11.756	ng	# 84
88) Benzo(b)fluoranthene	24.487	252	607394	62.998	ng	# 94
89) Benzo(k)fluoranthene	24.487	252	607394	63.722	ng	# 97
90) Benzo(a)pyrene	25.462	252	417244	40.549	ng	95
92) Benzo(g,h,i)perylene	31.120	276	96364	9.018	ng	# 81

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

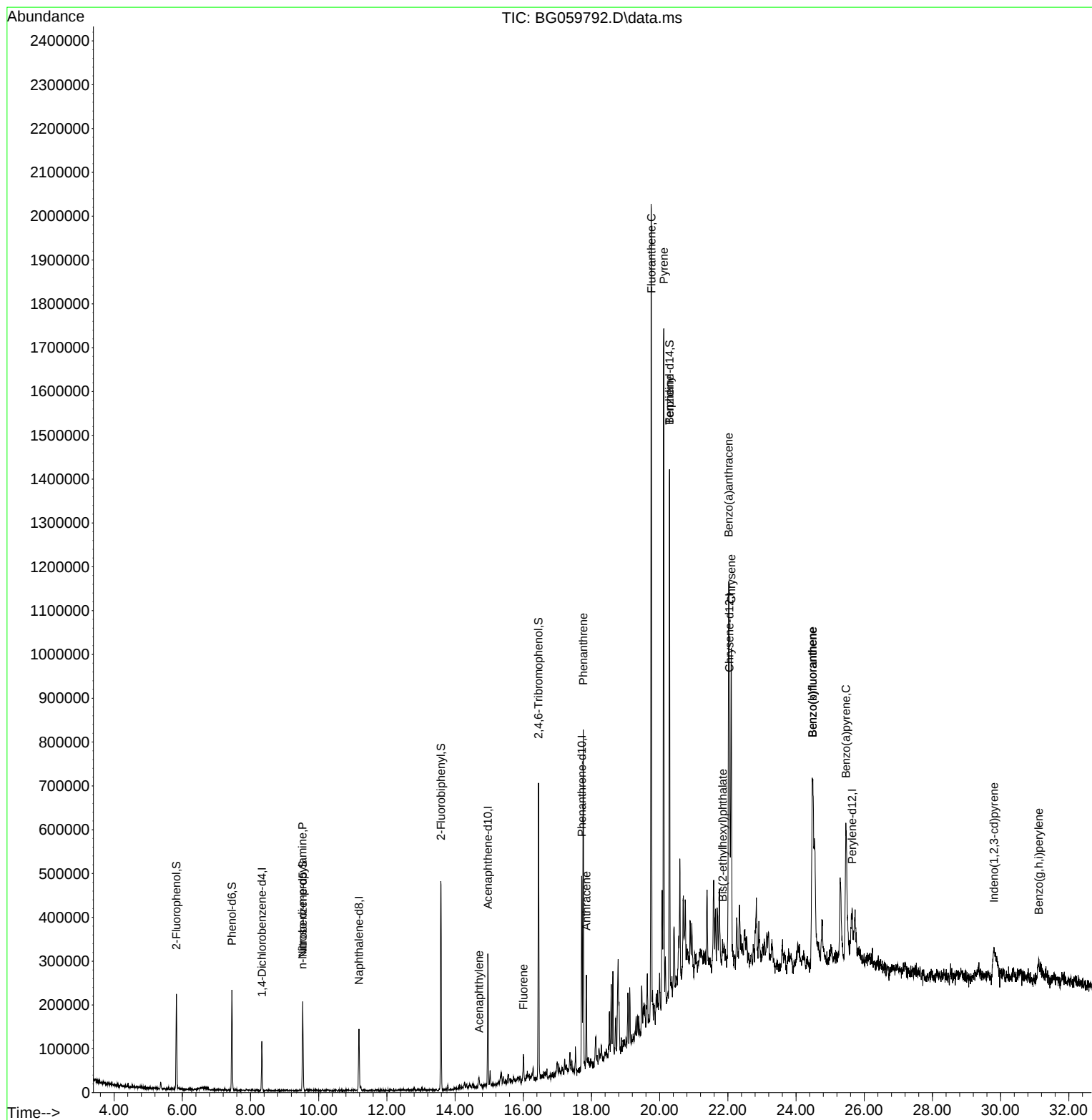
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
Data File : BG059792.D
Acq On : 21 Nov 2023 14:50
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ALS Vial : 9 Sample Multiplier: 1

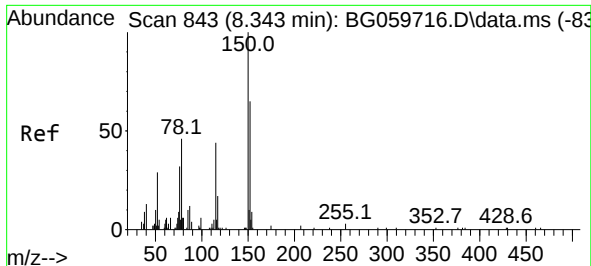
Instrument :
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Quant Time: Nov 22 09:53:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
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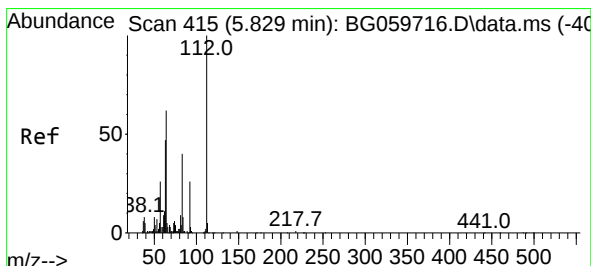
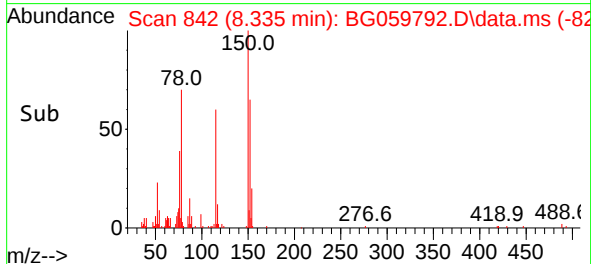
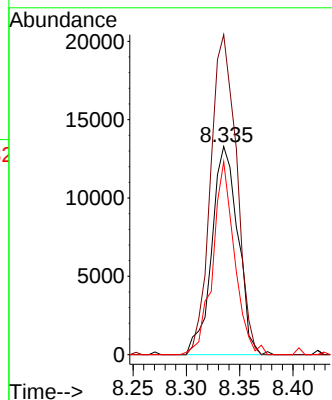
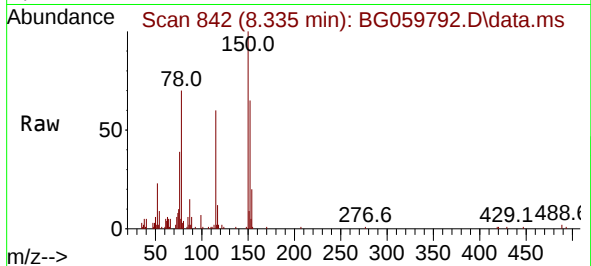
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.335 min Scan# 843
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Instrument :
BNA_G
ClientSampleId :
WC-7

Tgt Ion:152 Resp: 22659
Ion Ratio Lower Upper
152 100
150 153.8 122.2 183.4
115 92.7 54.2 81.4

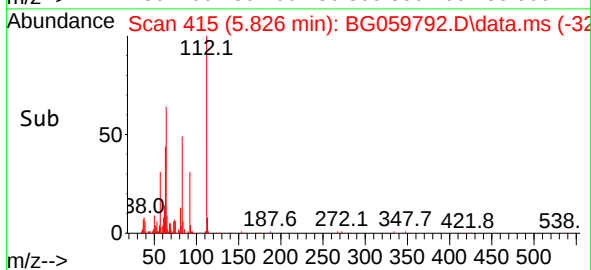
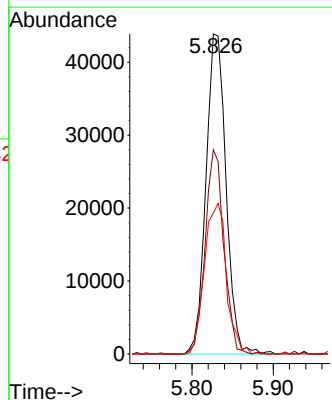
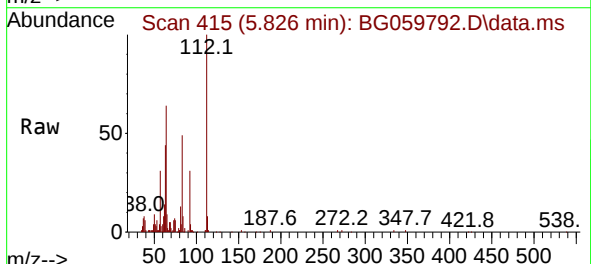
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#5
2-Fluorophenol
Concen: 55.727 ng
RT: 5.826 min Scan# 415
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:112 Resp: 75022
Ion Ratio Lower Upper
112 100
64 63.8 49.5 74.3
63 44.0 37.4 56.2





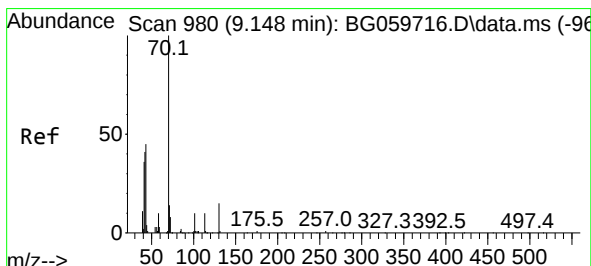
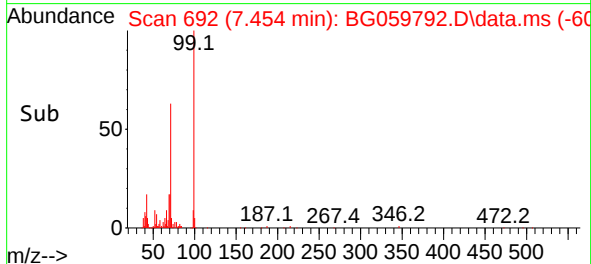
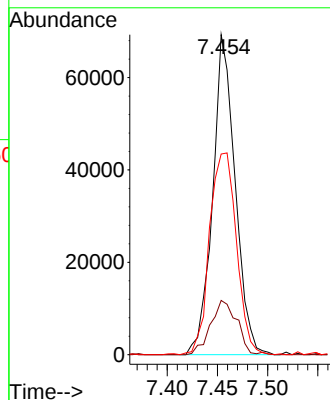
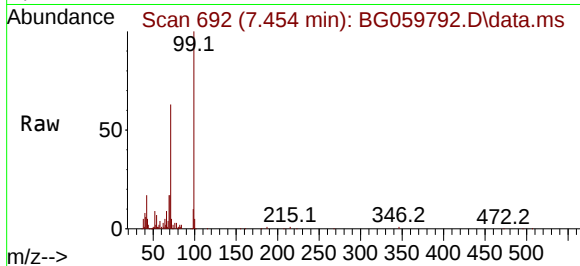
#7
Phenol-d6
Concen: 54.123 ng
RT: 7.454 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Instrument :
BNA_G
ClientSampleId :
WC-7

Tgt Ion: 99 Resp: 107974
Ion Ratio Lower Upper
99 100
42 16.9 14.3 21.5
71 62.7 59.3 88.9

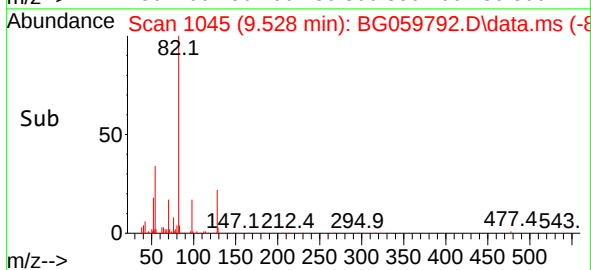
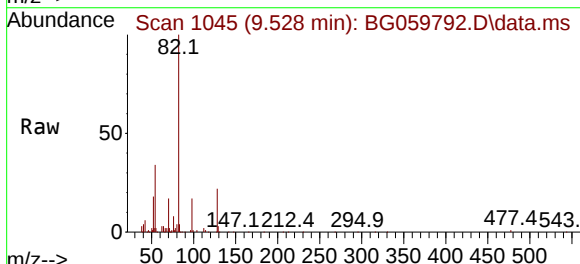
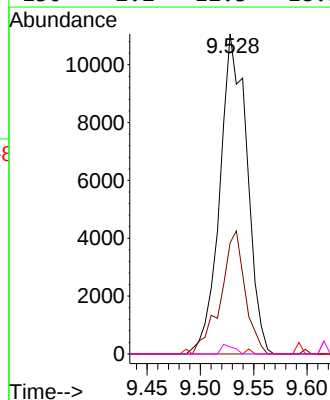
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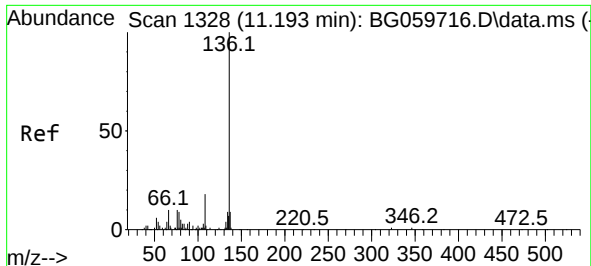
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#19
n-Nitroso-di-n-propylamine
Concen: 12.461 ng
RT: 9.528 min Scan# 1045
Delta R.T. 0.379 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

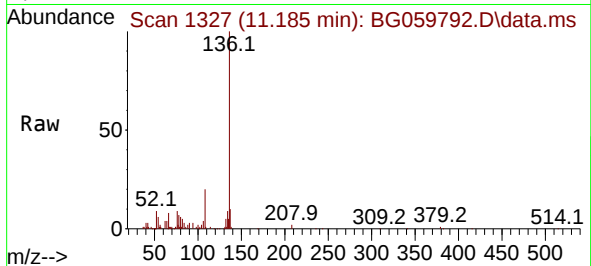
Tgt Ion: 70 Resp: 19577
Ion Ratio Lower Upper
70 100
42 34.7 32.8 49.2
101 0.0 7.7 11.5#
130 2.2 12.3 18.5#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.185 min Scan# 11174
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

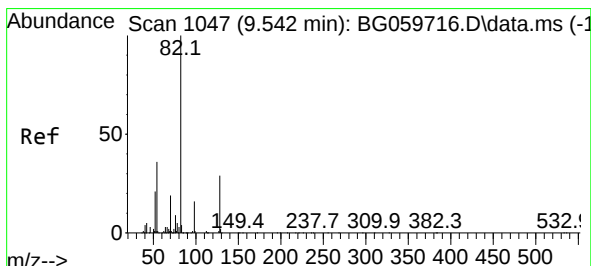
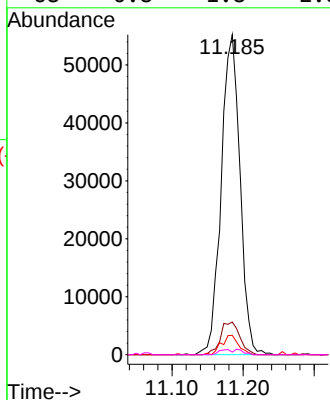
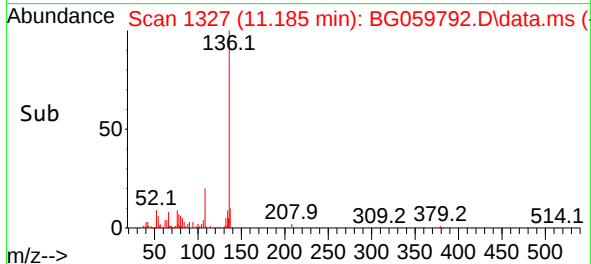
Instrument :
BNA_G
ClientSampleId :
WC-7



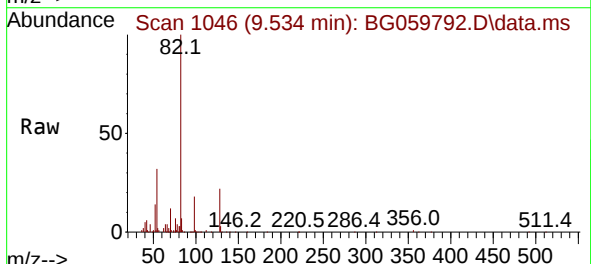
Tgt Ion:136 Resp: 101174
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.0
54 6.0 3.1 4.7
68 0.8 1.8 2.8

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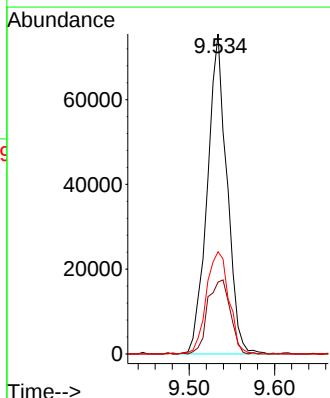
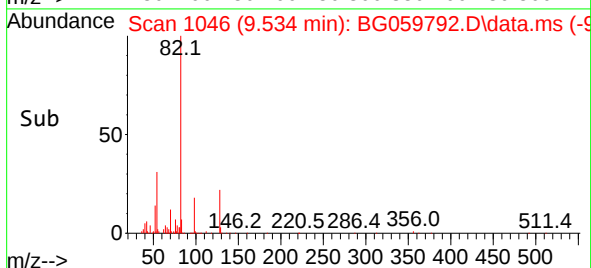
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

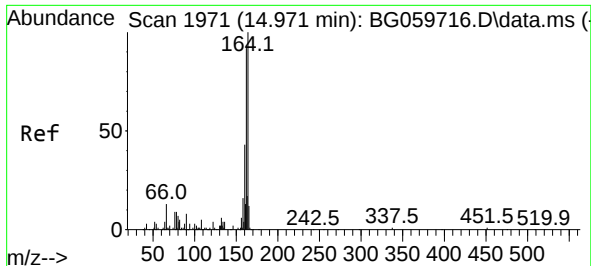


#23
Nitrobenzene-d5
Concen: 45.656 ng
RT: 9.534 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50



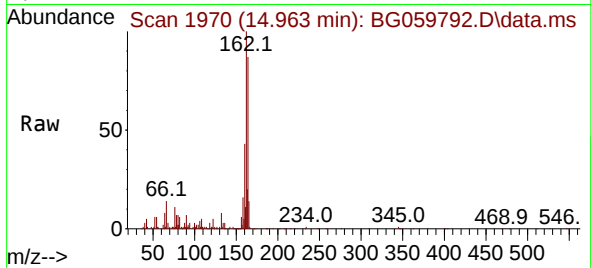
Tgt Ion: 82 Resp: 120948
Ion Ratio Lower Upper
82 100
128 22.5 23.0 34.6
54 31.9 28.7 43.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1971
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

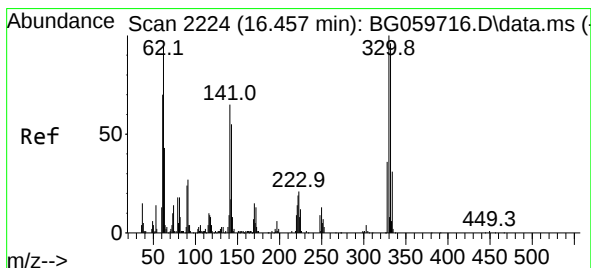
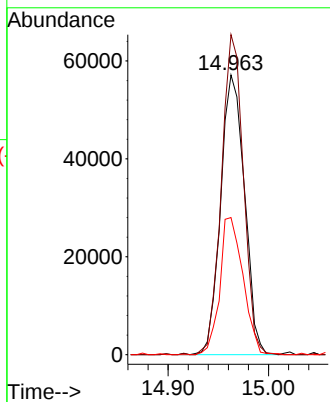
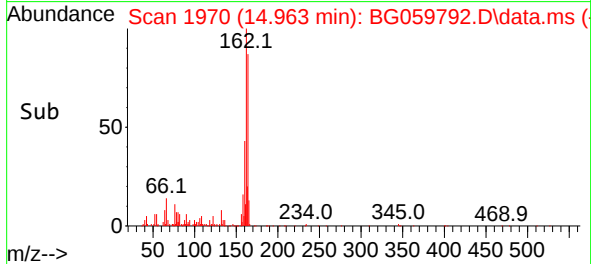
Instrument :
BNA_G
ClientSampleId :
WC-7



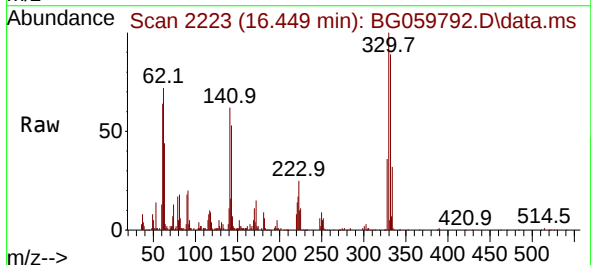
Tgt Ion:164 Resp: 94360
Ion Ratio Lower Upper
164 100
162 114.4 73.3 109.9
160 49.0 34.1 51.1

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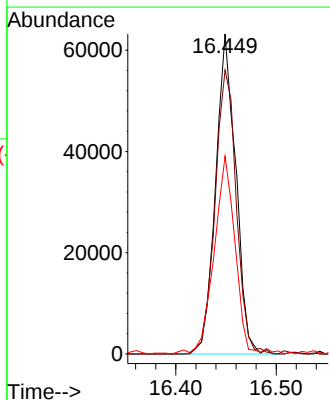
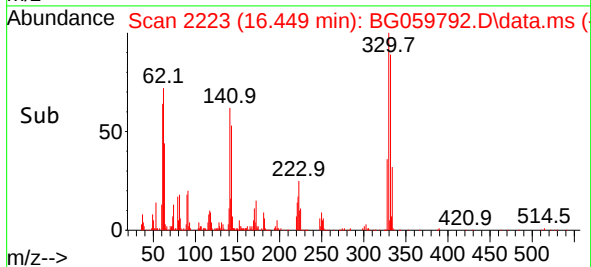
Reviewed By :Yogesh Patel 11/23/2023
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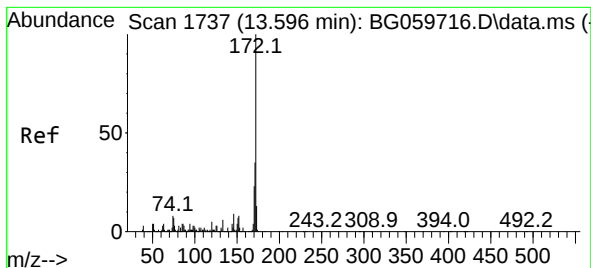


#42
2,4,6-Tribromophenol
Concen: 82.413 ng
RT: 16.449 min Scan# 2223
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50



Tgt Ion:330 Resp: 88240
Ion Ratio Lower Upper
330 100
332 93.3 73.3 109.9
141 63.8 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 31.415 ng

RT: 13.588 min Scan# 1736

Delta R.T. -0.008 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Instrument :

BNA_G

ClientSampleId :

WC-7

Tgt Ion:172 Resp: 22024

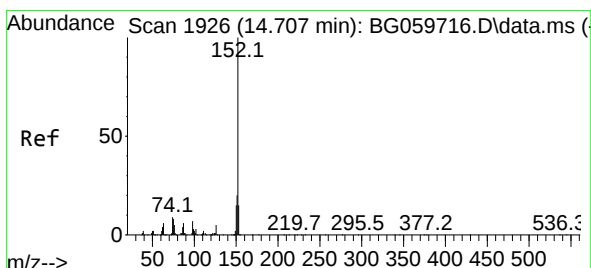
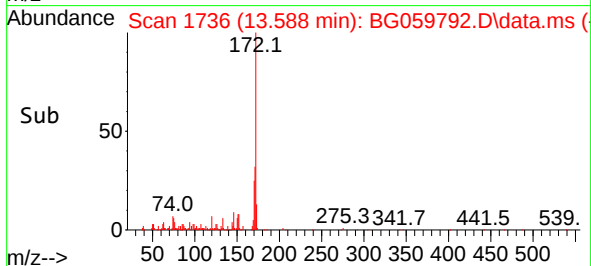
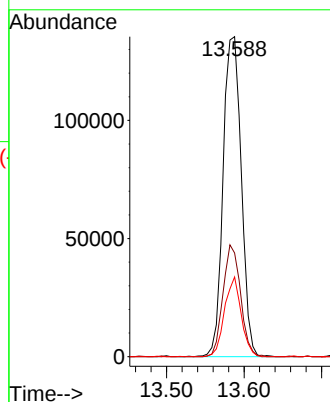
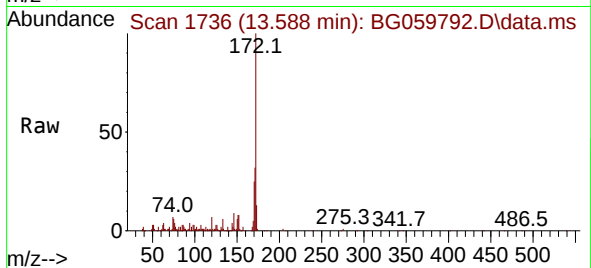
Ion	Ratio	Lower	Upper
172	100		
171	32.4	27.7	41.5
170	24.9	18.4	27.6

Manual Integrations

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#49

Acenaphthylene

Concen: 2.257 ng

RT: 14.704 min Scan# 1926

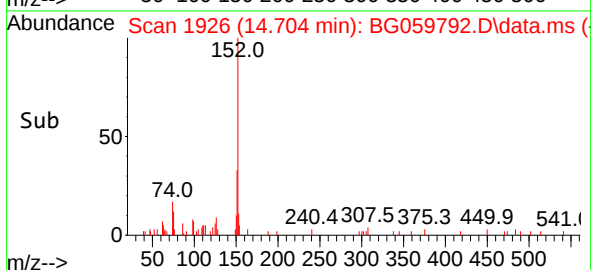
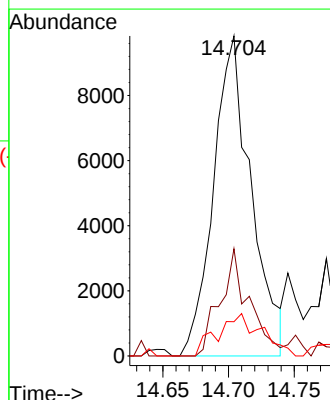
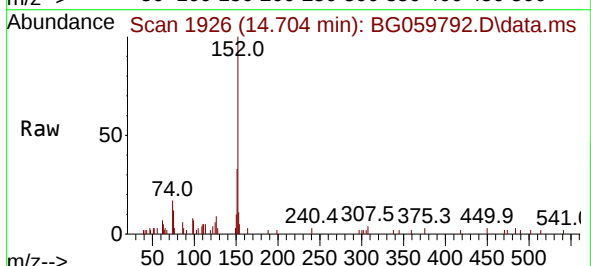
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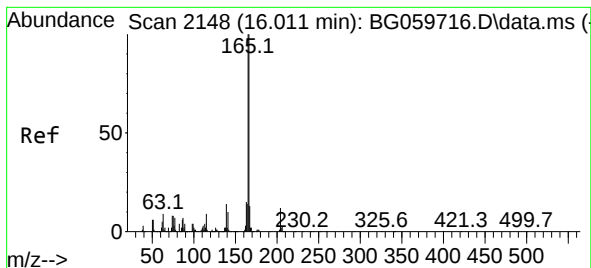
Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Tgt Ion:152 Resp: 19588

Ion	Ratio	Lower	Upper
152	100		
151	33.5	15.8	23.8#
153	10.7	12.2	18.4#





#58

Fluorene

Concen: 3.242 ng

RT: 16.003 min Scan# 2148

Delta R.T. -0.008 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Instrument :

BNA_G

ClientSampleId :

WC-7

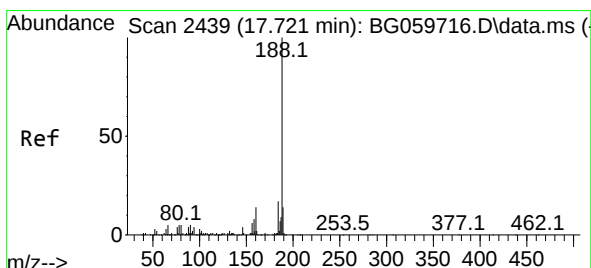
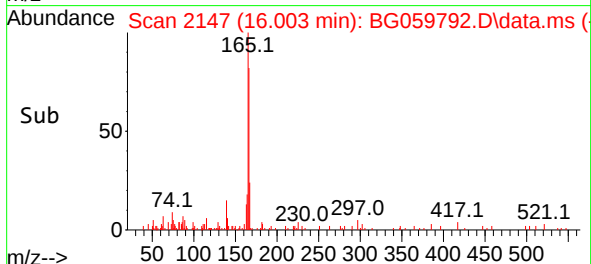
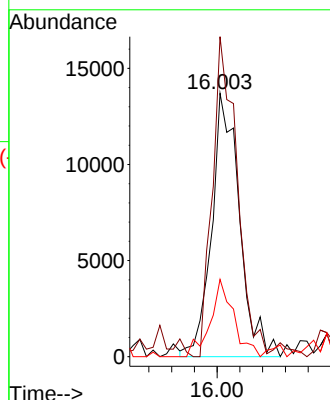
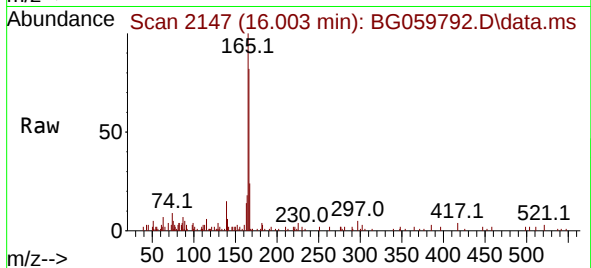
Tgt Ion:	166	Resp:	2317
Ion Ratio	Lower	Upper	
166	100		
165	121.5	79.9	119.9
167	29.4	10.1	15.1

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Supervised By :mohammad ahmed 11/23/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

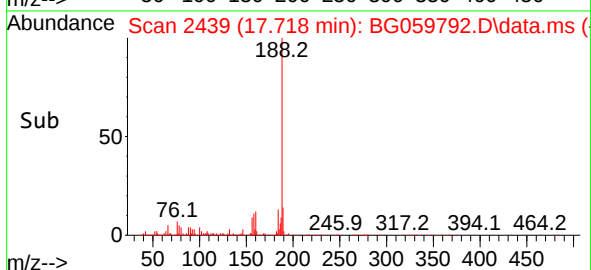
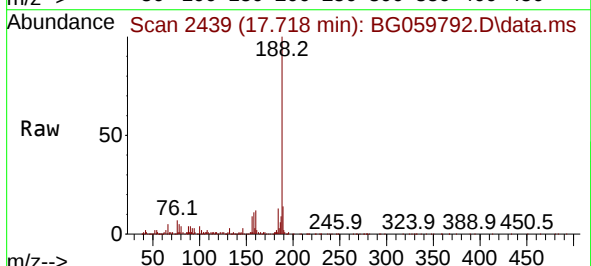
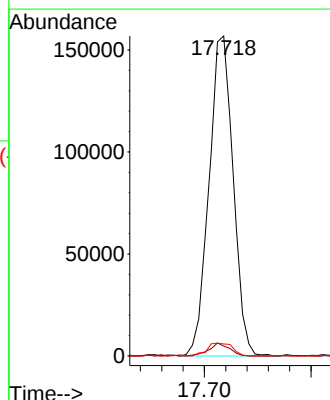
RT: 17.718 min Scan# 2439

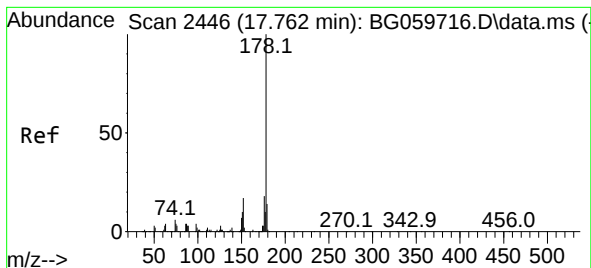
Delta R.T. -0.002 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Tgt Ion:	188	Resp:	246792
Ion Ratio	Lower	Upper	
188	100		
94	3.1	3.0	4.4
80	3.7	4.2	6.4





#71

Phenanthrene

Concen: 32.550 ng

RT: 17.759 min Scan# 2446

Delta R.T. -0.002 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Instrument :

BNA_G

ClientSampleId :

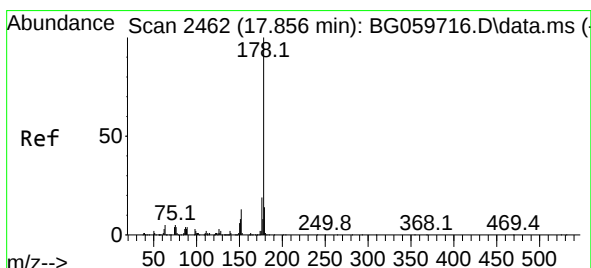
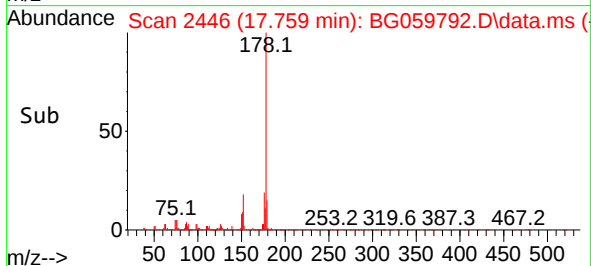
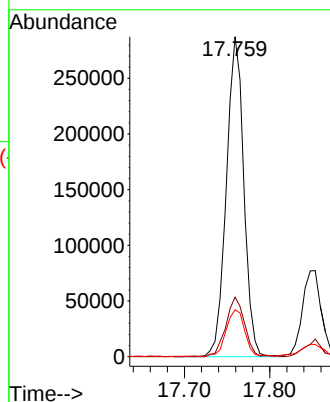
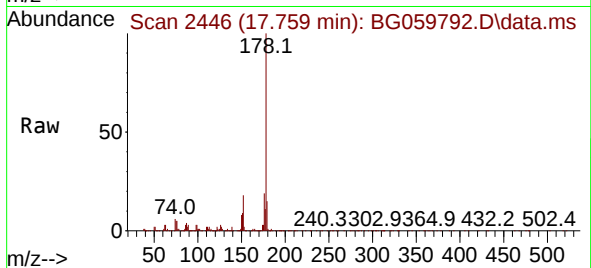
WC-7

Tgt Ion:178 Resp: 408425
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.5 21.7
 179 14.6 11.2 16.8

Manual Integrations

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#72

Anthracene

Concen: 9.236 ng

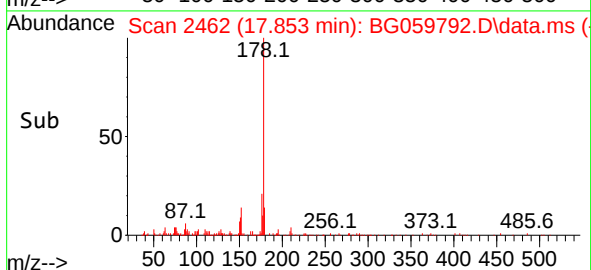
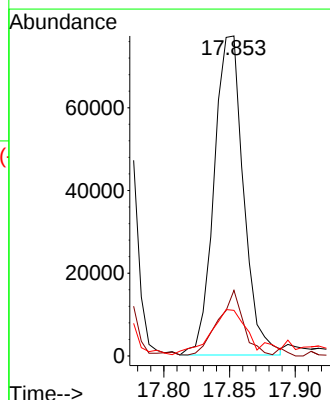
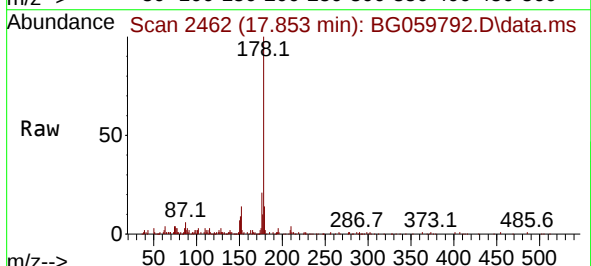
RT: 17.853 min Scan# 2462

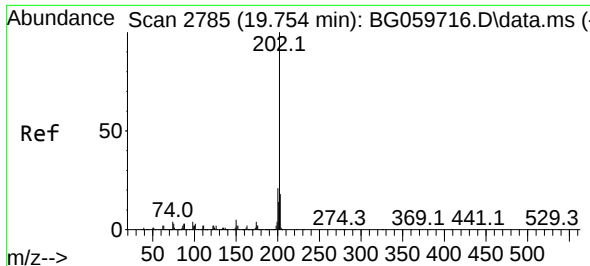
Delta R.T. -0.002 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

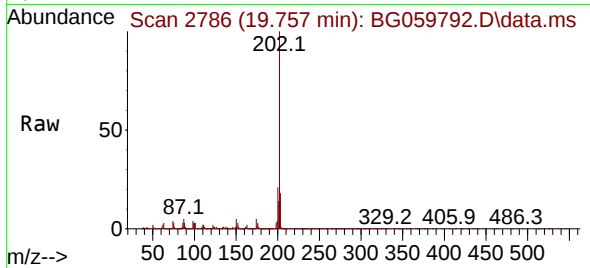
Tgt Ion:178 Resp: 120411
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.0 22.4
 179 14.2 11.5 17.3





#75
Fluoranthene
Concen: 72.606 ng
RT: 19.757 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

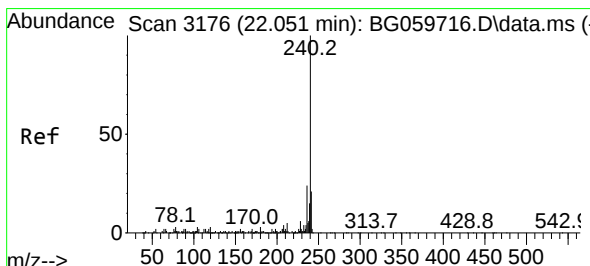
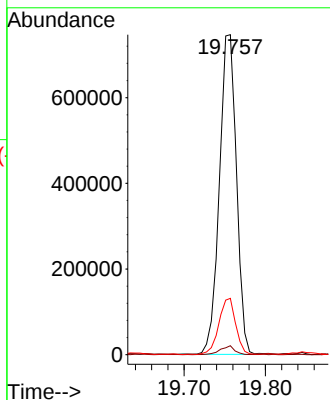
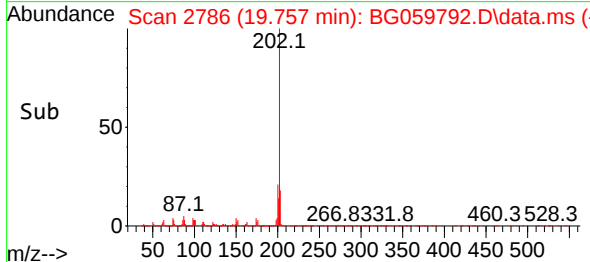
Instrument :
BNA_G
ClientSampleId :
WC-7



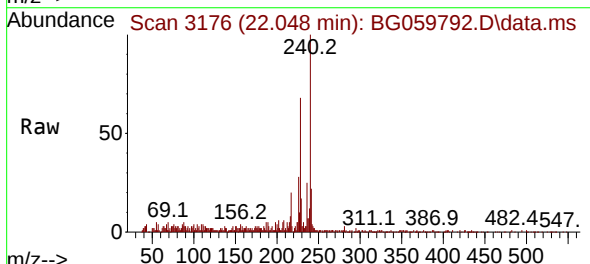
Tgt Ion:202 Resp: 109252
Ion Ratio Lower Upper
202 100
101 2.8 0.0 22.7
203 17.6 0.0 38.2

Manual Integrations
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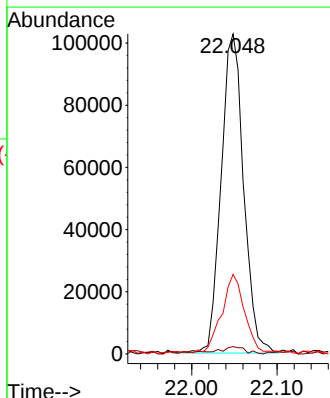
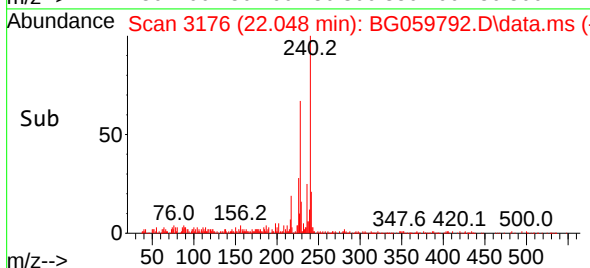
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

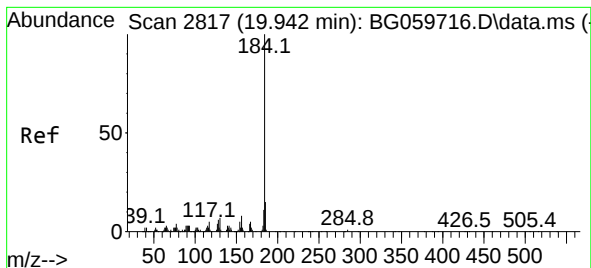


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.048 min Scan# 3176
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50



Tgt Ion:240 Resp: 188486
Ion Ratio Lower Upper
240 100
120 3.5 2.2 3.2#
236 24.9 19.4 29.2





#77

Benzidine

Concen: 4.500 ng

RT: 20.292 min Scan# 21

Delta R.T. 0.350 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Instrument :

BNA_G

ClientSampleId :

WC-7

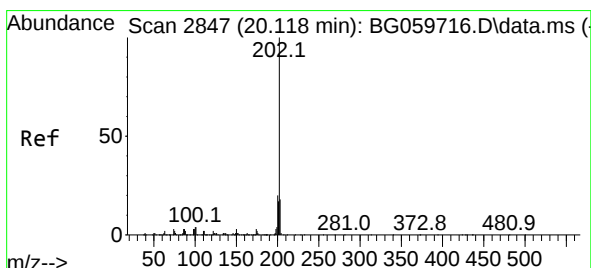
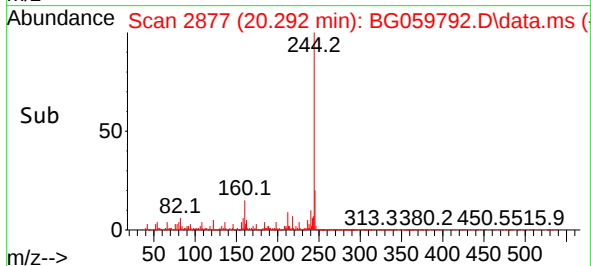
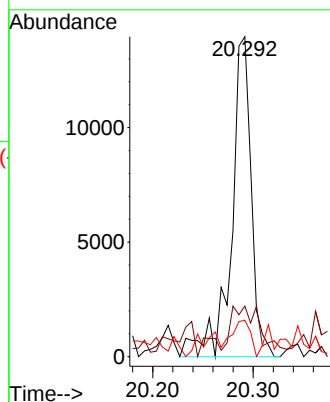
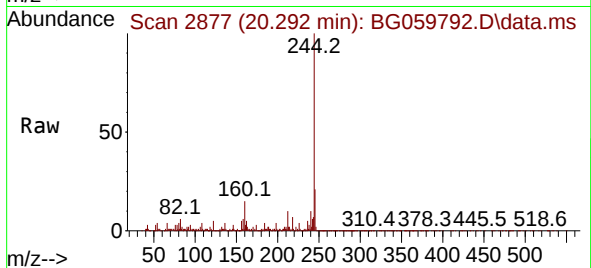
Tgt Ion:	184	Resp:	1923
Ion Ratio	Lower	Upper	
184	100		
185	15.8	12.2	18.2
183	11.4	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/23/2023

Supervised By :mohammad ahmed 11/23/2023



#78

Pyrene

Concen: 71.372 ng

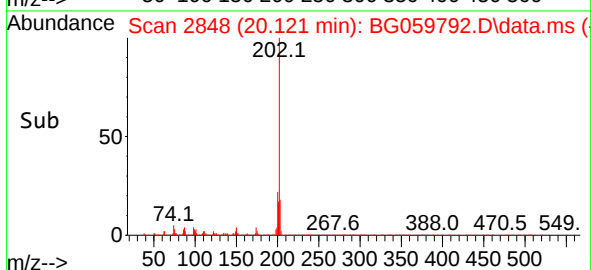
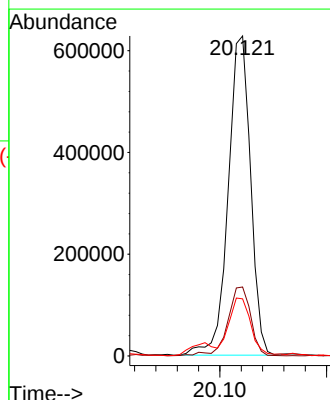
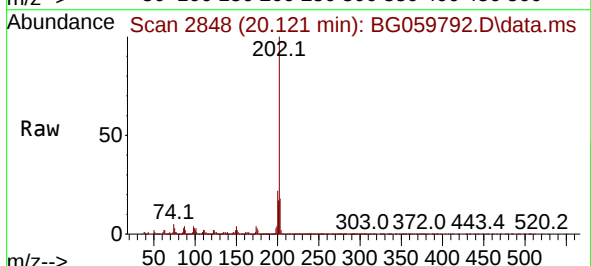
RT: 20.121 min Scan# 2848

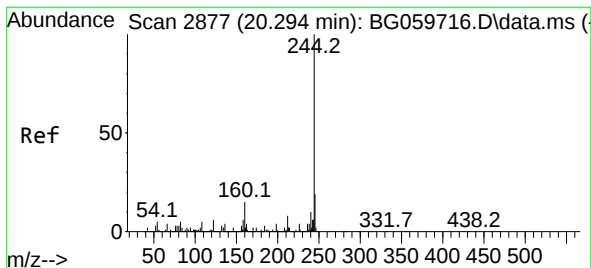
Delta R.T. 0.003 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Tgt Ion:	202	Resp:	915312
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.2	24.4
203	17.8	14.0	21.0





#79

Terphenyl-d14

Concen: 36.036 ng

RT: 20.292 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

Instrument :

BNA_G

ClientSampleId :

WC-7

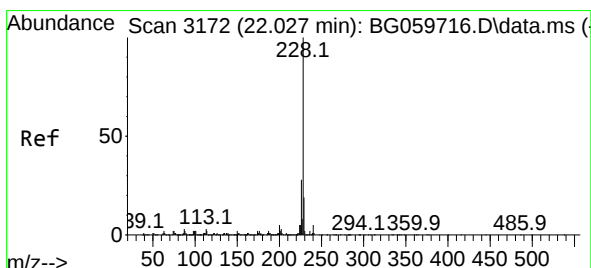
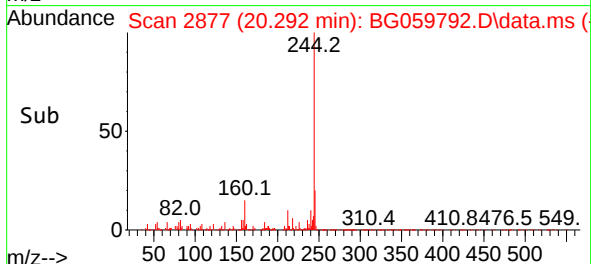
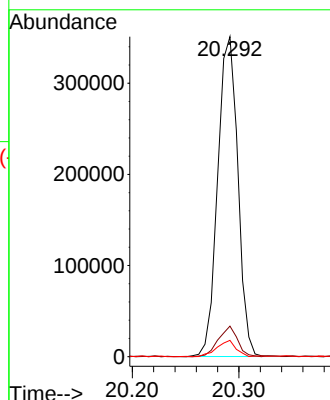
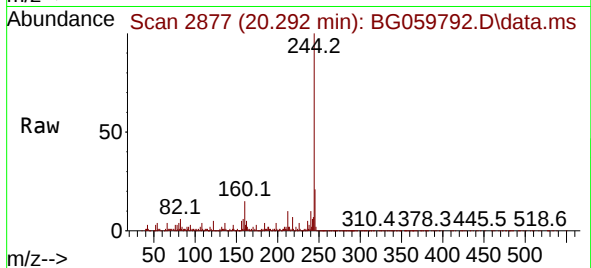
Tgt Ion:	244	Resp:	46010
Ion Ratio	Lower	Upper	
244	100		
212	9.6	6.6	10.0
122	5.1	4.4	6.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/23/2023

Supervised By :mohammad ahmed 11/23/2023



#81

Benzo(a)anthracene

Concen: 44.647 ng

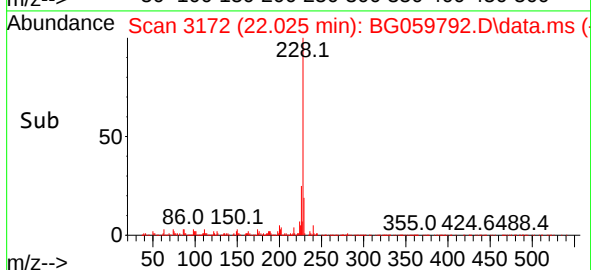
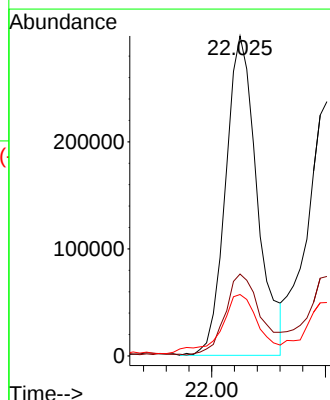
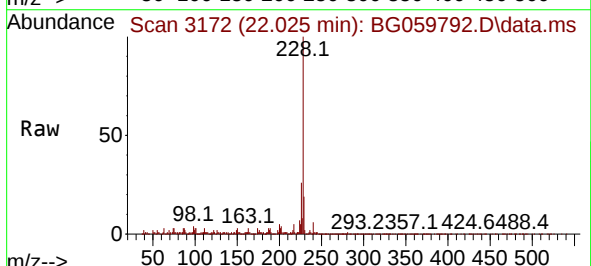
RT: 22.025 min Scan# 3172

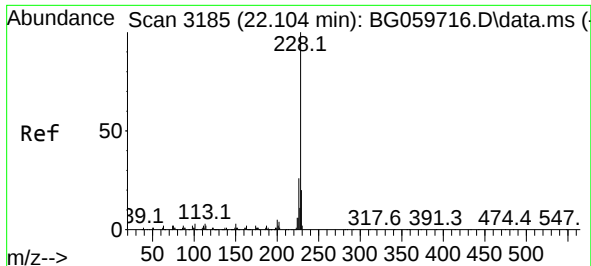
Delta R.T. -0.002 min

Lab File: BG059792.D

Acq: 21 Nov 2023 14:50

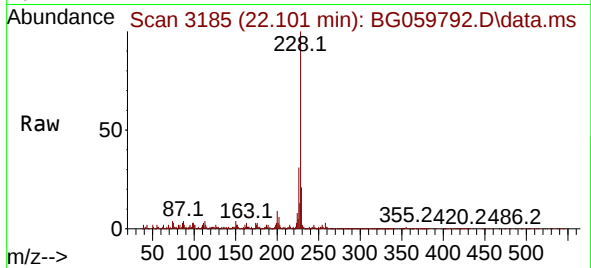
Tgt Ion:	228	Resp:	575792
Ion Ratio	Lower	Upper	
228	100		
226	25.6	22.1	33.1
229	19.2	14.9	22.3





#83
Chrysene
Concen: 39.976 ng
RT: 22.101 min Scan# 3185
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

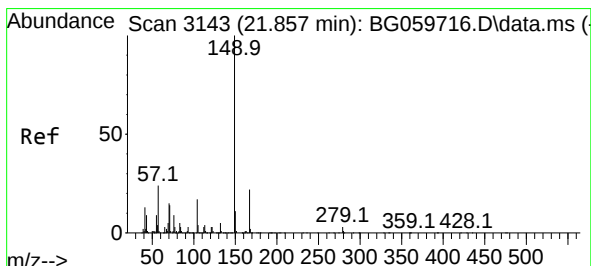
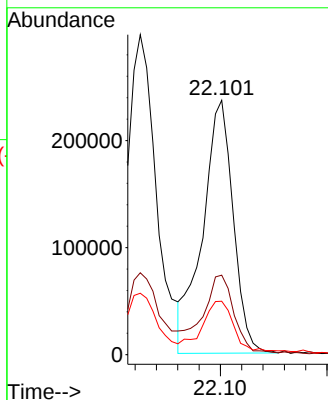
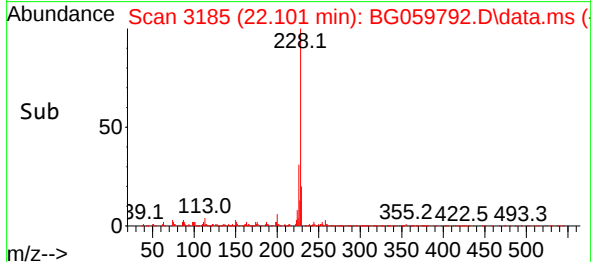
Instrument :
BNA_G
ClientSampleId :
WC-7



Tgt Ion:228 Resp: 472609
Ion Ratio Lower Upper
228 100
226 31.3 21.1 31.7
229 21.0 16.2 24.4

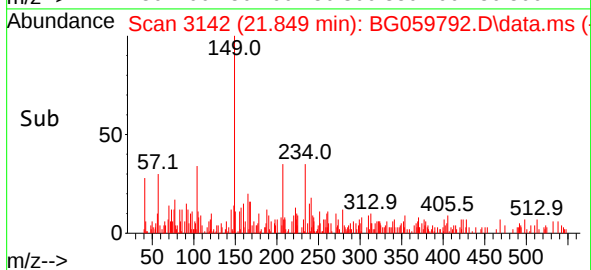
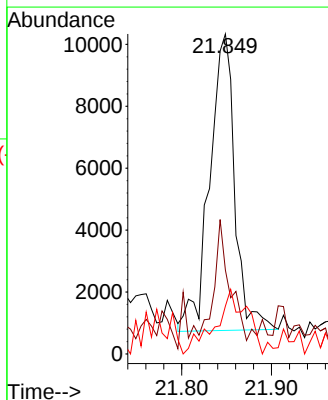
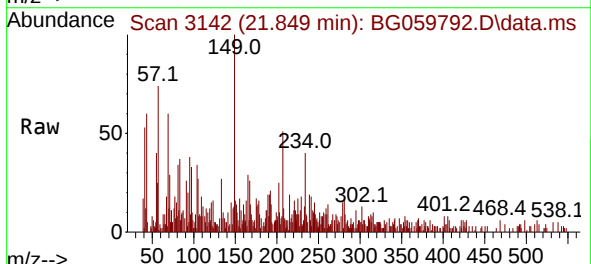
Manual Integrations
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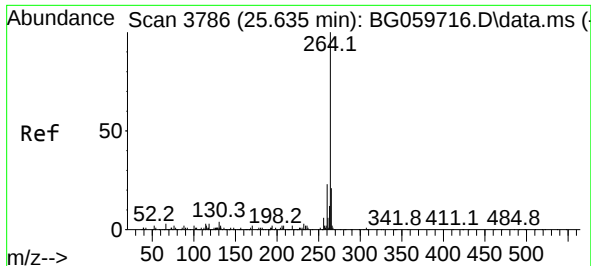
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.531 ng
RT: 21.849 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

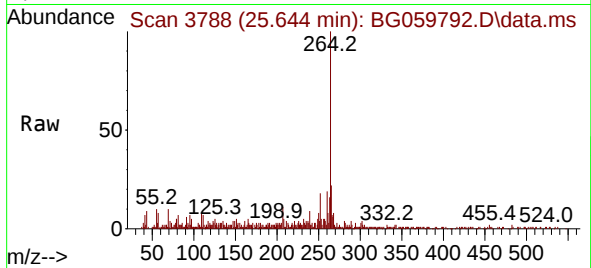
Tgt Ion:149 Resp: 18609
Ion Ratio Lower Upper
149 100
167 26.2 17.6 26.4
279 15.0 2.7 4.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.644 min Scan# 3786
Delta R.T. 0.009 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

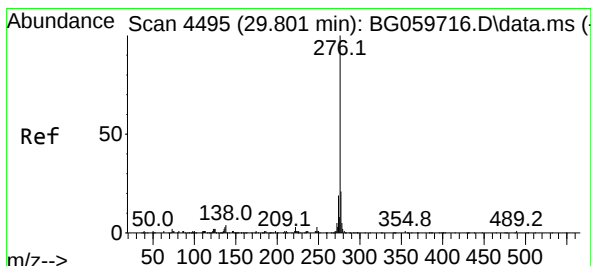
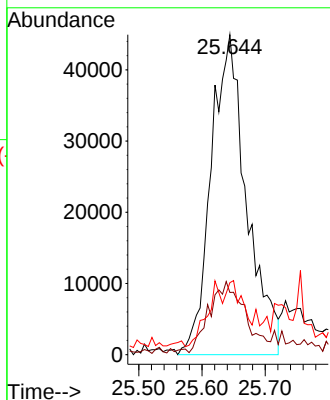
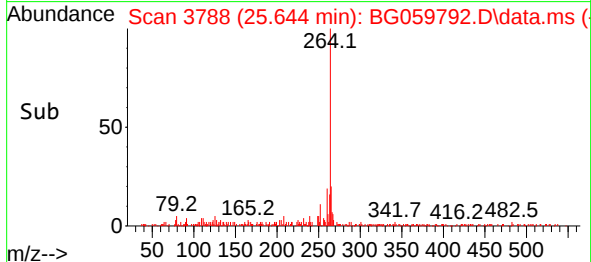
Instrument :
BNA_G
ClientSampleId :
WC-7



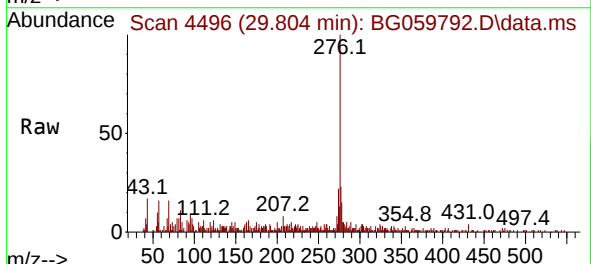
Tgt Ion:264 Resp: 17591
Ion Ratio Lower Upper
264 100
260 19.4 18.5 27.7
265 22.5 17.0 25.6

Manual Integrations
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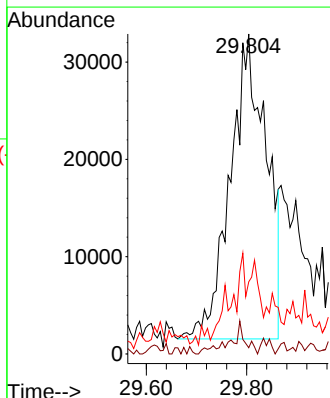
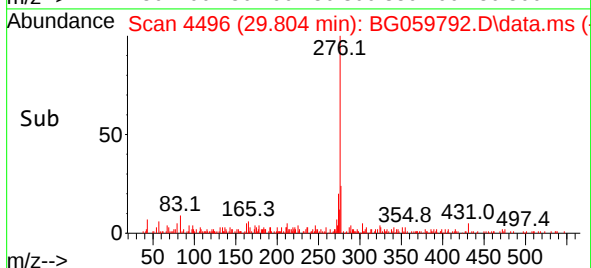
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

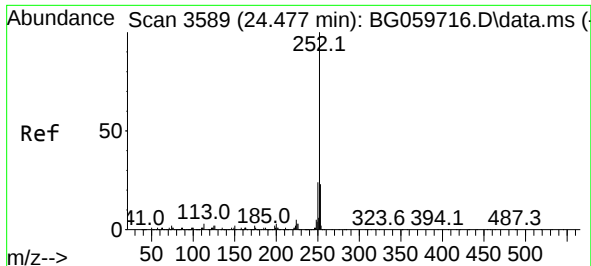


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.756 ng
RT: 29.804 min Scan# 4496
Delta R.T. 0.003 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50



Tgt Ion:276 Resp: 156479
Ion Ratio Lower Upper
276 100
138 0.0 1.8 2.6#
277 5.1 9.8 14.6#





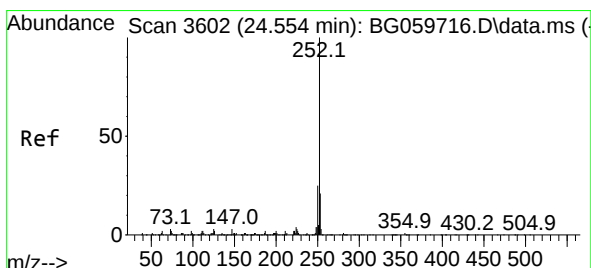
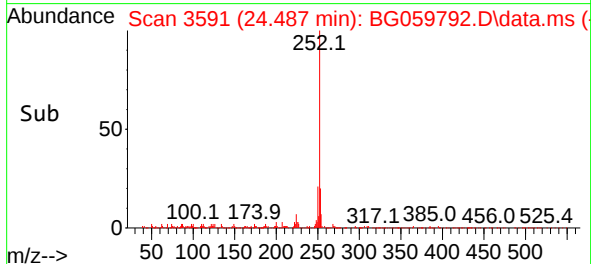
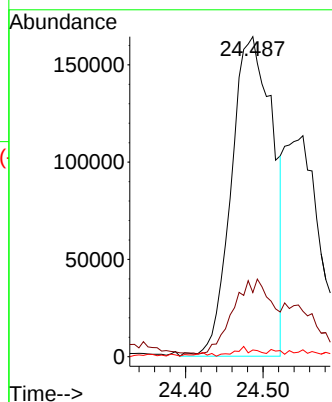
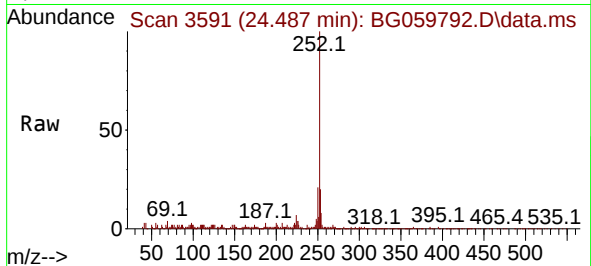
#88
Benzo(b)fluoranthene
Concen: 62.998 ng
RT: 24.487 min Scan# 3589
Delta R.T. 0.009 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Instrument :
BNA_G
ClientSampleId :
WC-7

Tgt Ion:252 Resp: 607394
Ion Ratio Lower Upper
252 100
253 20.1 18.3 27.5
125 2.1 1.4 2.0

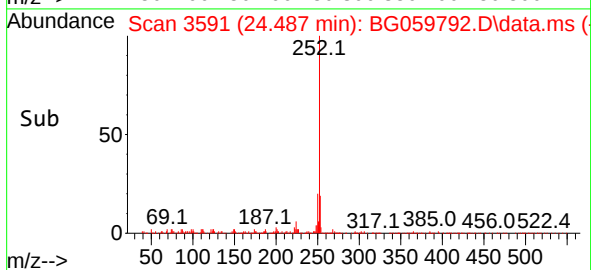
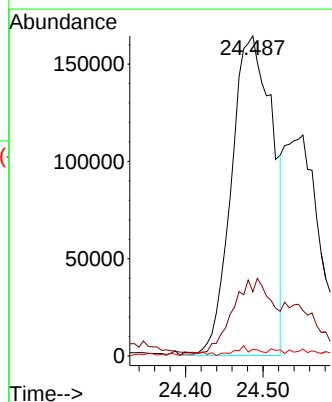
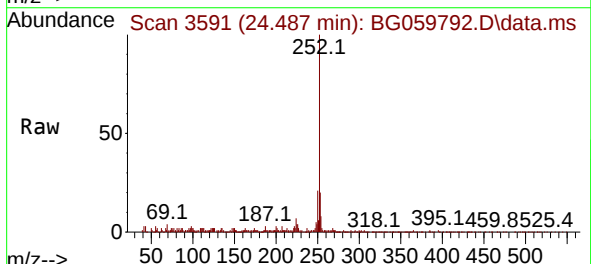
Manual Integrations
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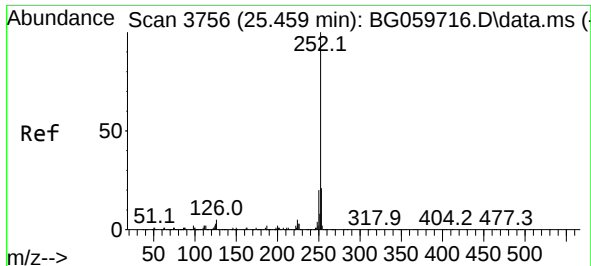
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#89
Benzo(k)fluoranthene
Concen: 63.722 ng
RT: 24.487 min Scan# 3591
Delta R.T. -0.067 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:252 Resp: 607394
Ion Ratio Lower Upper
252 100
253 20.1 17.1 25.7
125 2.1 2.2 3.2





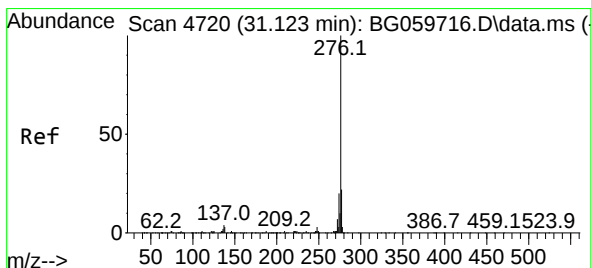
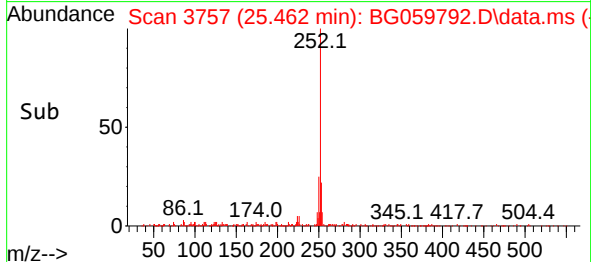
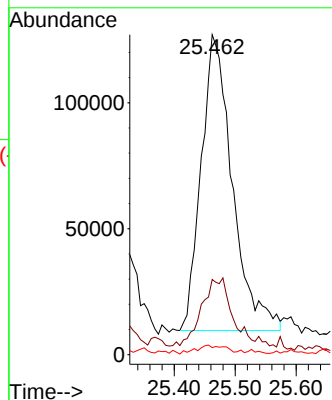
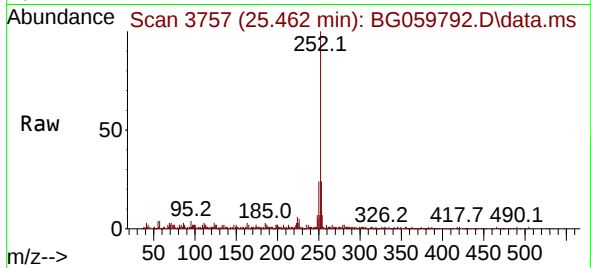
#90
Benzo(a)pyrene
Concen: 40.549 ng
RT: 25.462 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Instrument :
BNA_G
ClientSampleId :
WC-7

Tgt Ion:252 Resp: 41724
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 2.2 2.0 3.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#92
Benzo(g,h,i)perylene
Concen: 9.018 ng
RT: 31.120 min Scan# 4720
Delta R.T. -0.002 min
Lab File: BG059792.D
Acq: 21 Nov 2023 14:50

Tgt Ion:276 Resp: 96364
Ion Ratio Lower Upper
276 100
277 31.9 17.3 25.9#
138 3.0 2.6 4.0

