

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059770.D
 Acq On : 20 Nov 2023 15:46
 Operator : MA/JU
 Sample : 05359-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EC-48-WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 20 17:01:35 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	28964	20.000	ng	0.00
21) Naphthalene-d8	11.179	136	118012	20.000	ng	#-0.01
39) Acenaphthene-d10	14.963	164	65662	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	159814	20.000	ng	# 0.00
76) Chrysene-d12	22.037	240	143713	20.000	ng	#-0.01
86) Perylene-d12	25.615	264	176733	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	133587	77.629	ng	0.00
7) Phenol-d6	7.454	99	233919	91.729	ng	0.00
23) Nitrobenzene-d5	9.534	82	227127	73.505	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	41240	55.354	ng	0.00
45) 2-Fluorobiphenyl	13.582	172	285744	58.576	ng	-0.01
79) Terphenyl-d14	20.286	244	549298	56.425	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.232	128	75455	12.715	ng	98
37) 2-Methylnaphthalene	12.812	142	108798	21.769	ng	# 87
38) 1-Methylnaphthalene	13.030	142	105302m	22.847	ng	
46) 1,1'-Biphenyl	13.800	154	15508	3.009	ng	91
58) Fluorene	16.009	166	38433	7.726	ng	# 84
71) Phenanthrene	17.760	178	138012	16.985	ng	# 74
84) Bis(2-ethylhexyl)phtha...	21.831	149	15492	2.764	ng	# 92

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

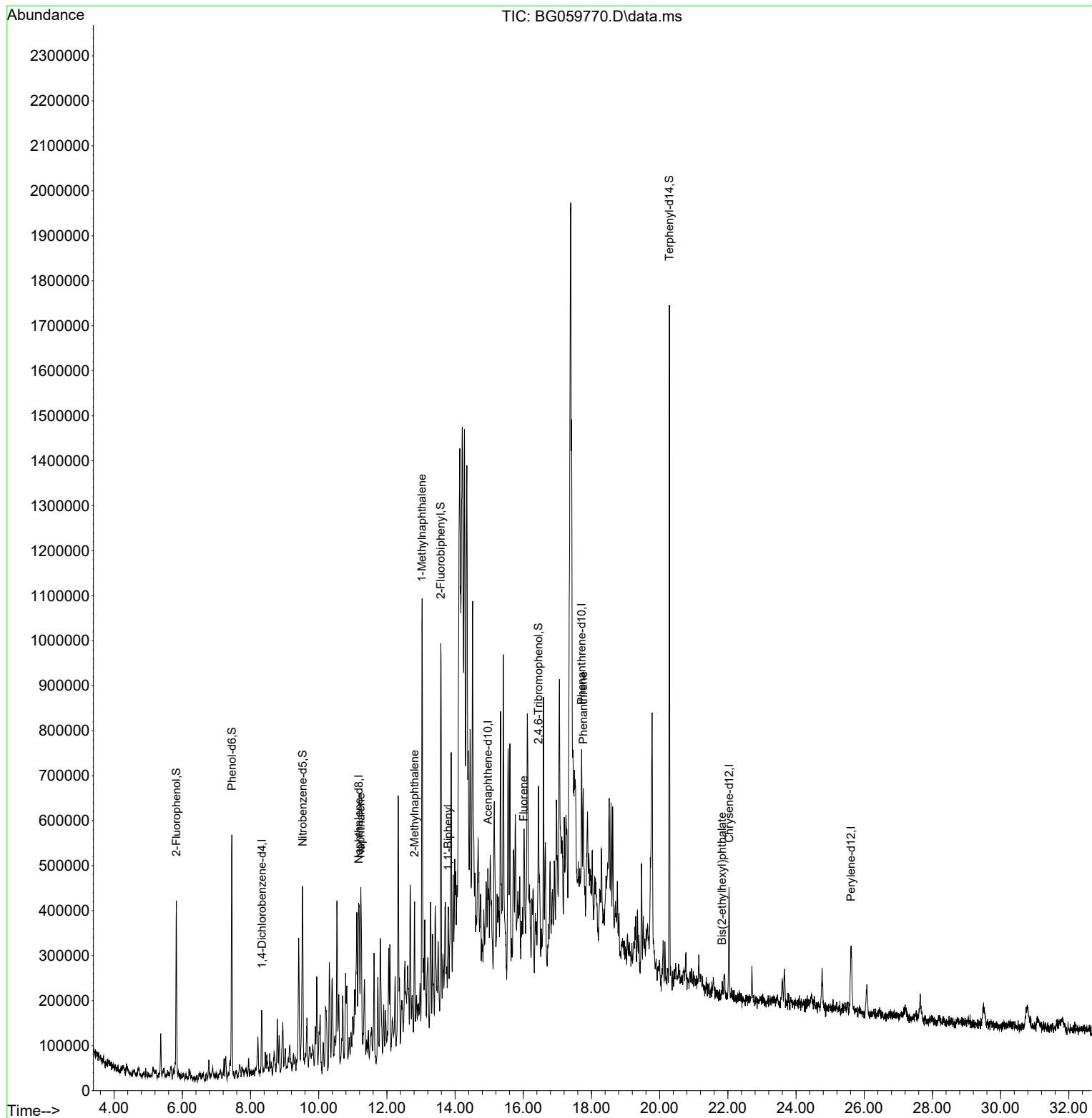
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
Data File : BG059770.D
Acq On : 20 Nov 2023 15:46
Operator : MA/JU
Sample : 05359-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

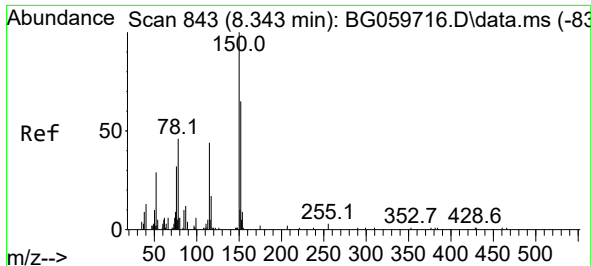
Instrument :
BNA_G
ClientSampleId :
EC-48-WC-1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

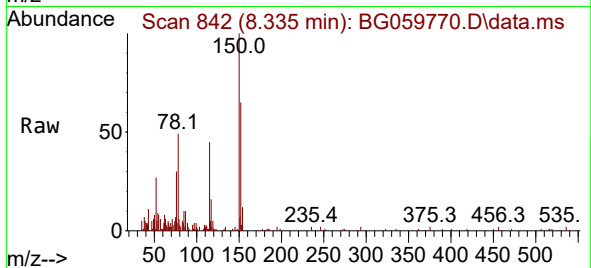
Quant Time: Nov 20 17:01:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.335 min Scan# 843
Delta R.T. -0.008 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

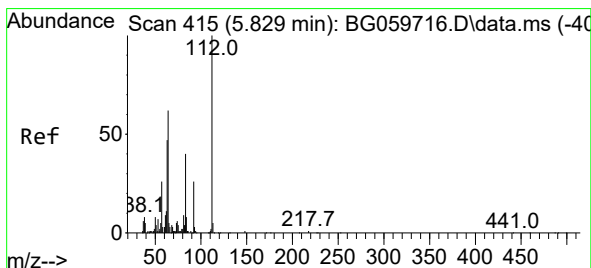
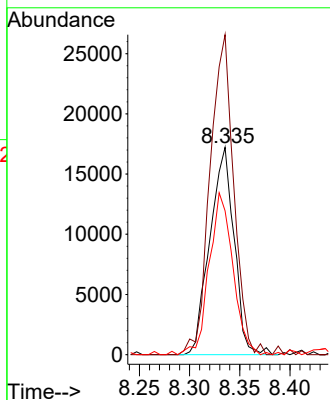
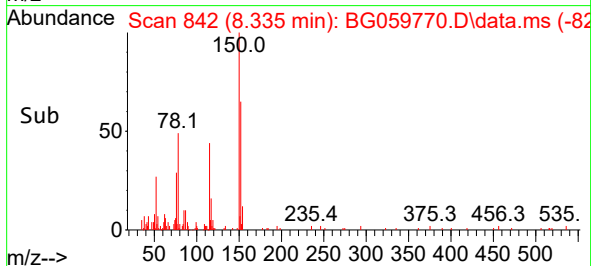
Instrument :
BNA_G
ClientSampleId :
EC-48-WC-1



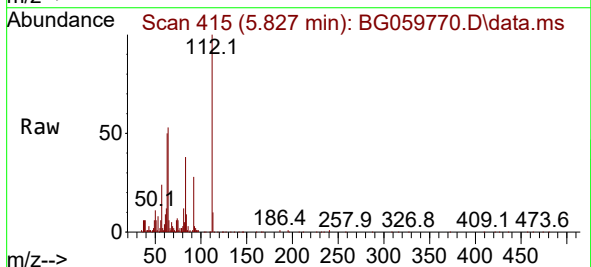
Tgt Ion:152 Resp: 28964
Ion Ratio Lower Upper
152 100
150 154.4 122.2 183.4
115 69.4 54.2 81.4

Manual Integrations
APPROVED

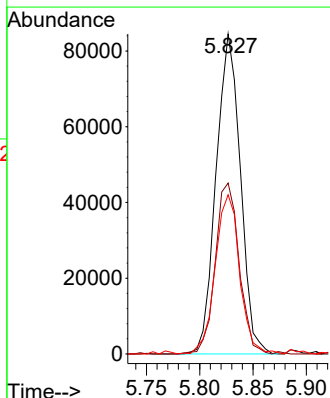
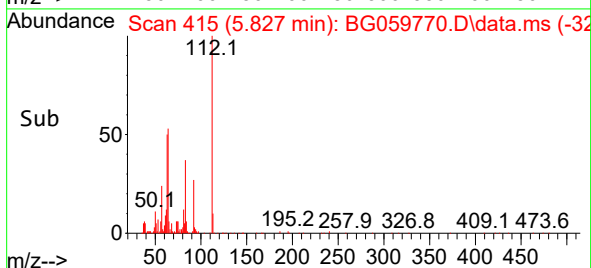
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

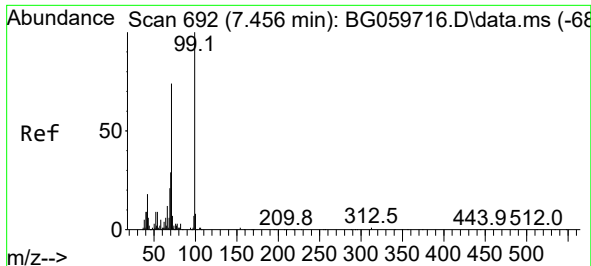


#5
2-Fluorophenol
Concen: 77.629 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.002 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46



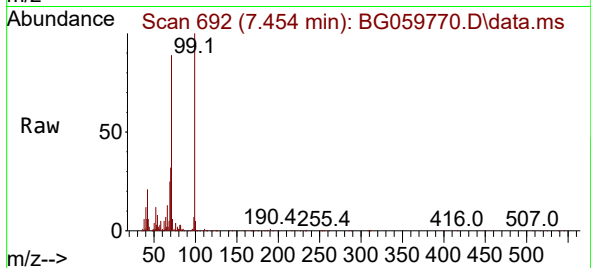
Tgt Ion:112 Resp: 133587
Ion Ratio Lower Upper
112 100
64 53.4 49.5 74.3
63 49.8 37.4 56.2





#7
Phenol-d6
Concen: 91.729 ng
RT: 7.454 min Scan# 692
Delta R.T. -0.002 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

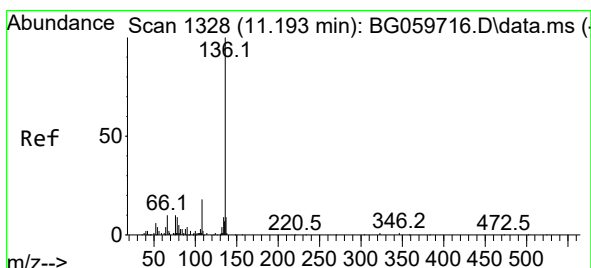
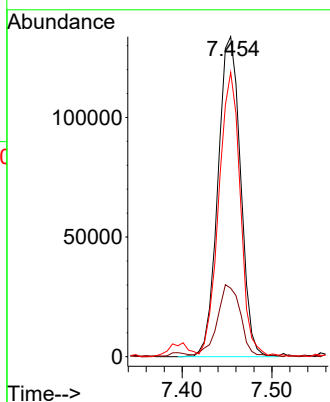
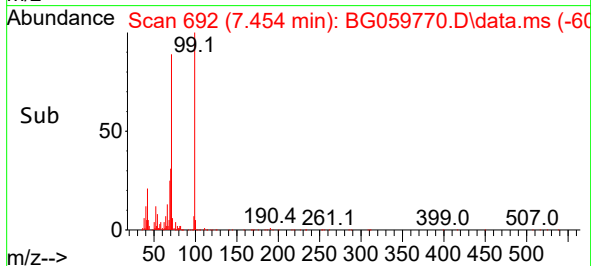
Instrument :
BNA_G
ClientSampleId :
EC-48-WC-1



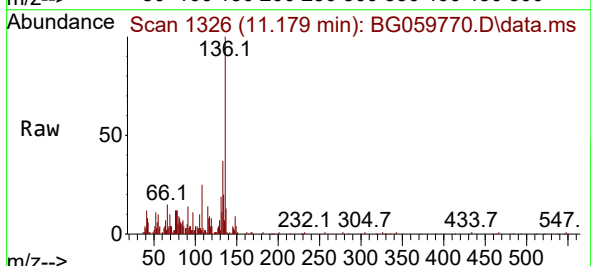
Tgt Ion: 99 Resp: 233919
Ion Ratio Lower Upper
99 100
42 21.4 14.3 21.5
71 88.8 59.3 88.9

Manual Integrations
APPROVED

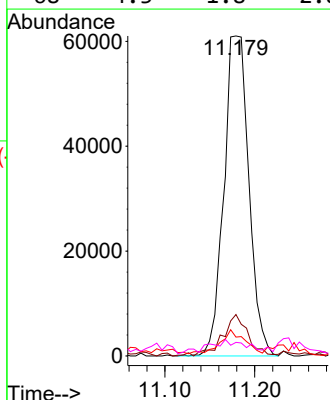
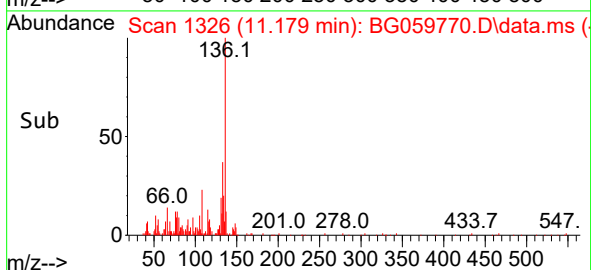
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

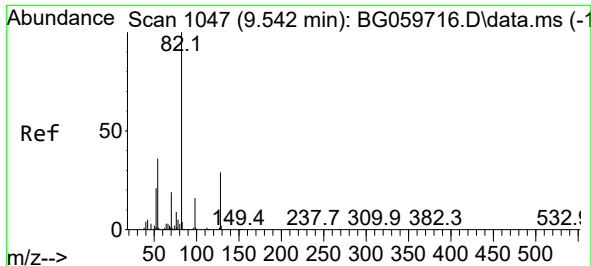


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 1326
Delta R.T. -0.014 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46



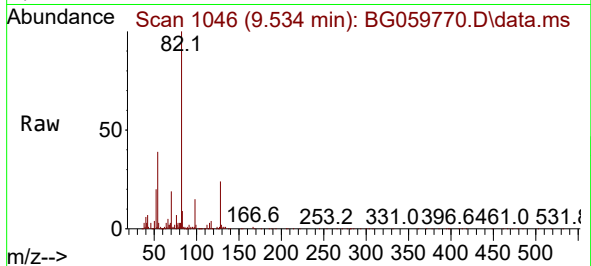
Tgt Ion:136 Resp: 118012
Ion Ratio Lower Upper
136 100
137 12.9 7.4 11.0#
54 5.9 3.1 4.7#
68 4.3 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 73.505 ng
RT: 9.534 min Scan# 1046
Delta R.T. -0.008 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

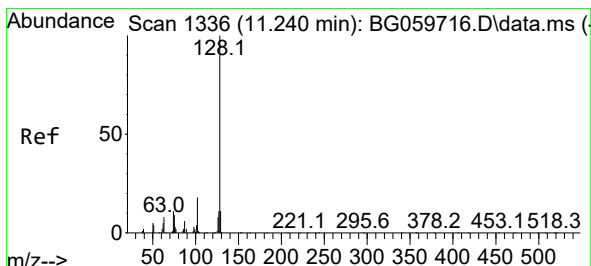
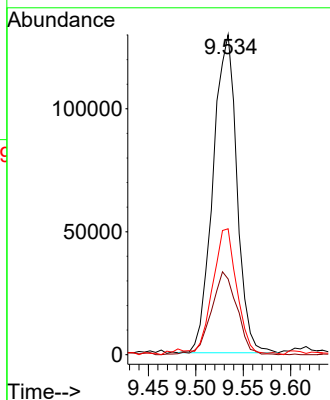
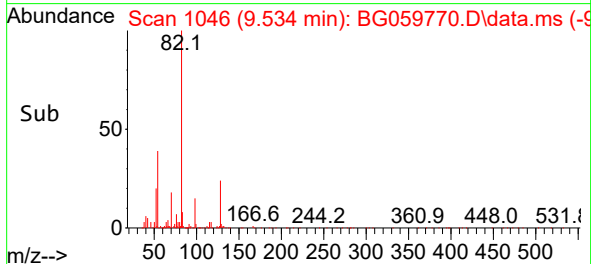
Instrument :
BNA_G
ClientSampleId :
EC-48-WC-1



Tgt Ion: 82 Resp: 22712
Ion Ratio Lower Upper
82 100
128 23.6 23.0 34.6
54 39.3 28.7 43.1

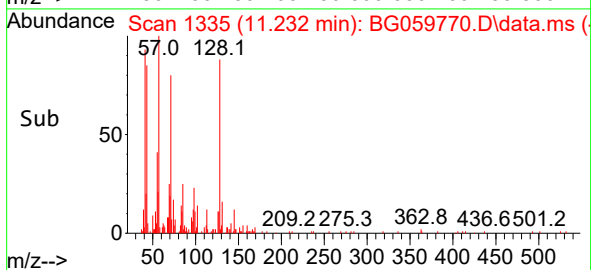
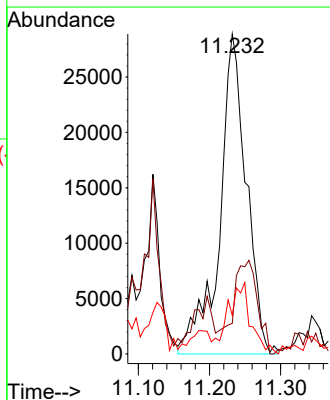
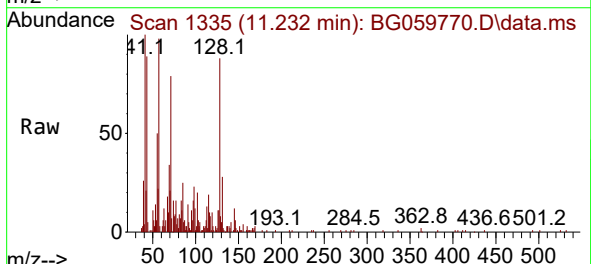
Manual Integrations
APPROVED

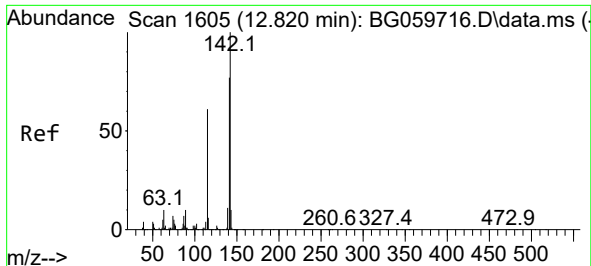
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#31
Naphthalene
Concen: 12.715 ng
RT: 11.232 min Scan# 1335
Delta R.T. -0.008 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

Tgt Ion:128 Resp: 75455
Ion Ratio Lower Upper
128 100
129 9.6 8.7 13.1
127 12.1 9.2 13.8





#37
2-Methylnaphthalene
Concen: 21.769 ng
RT: 12.812 min Scan# 1604
Delta R.T. -0.008 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

Instrument :

BNA_G

ClientSampleId :

EC-48-WC-1

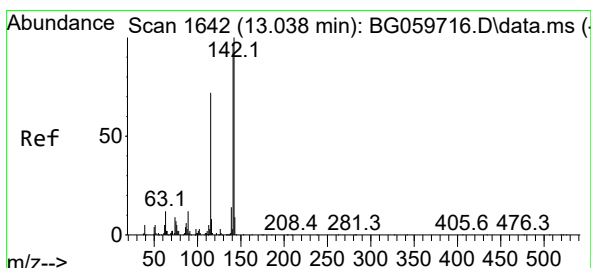
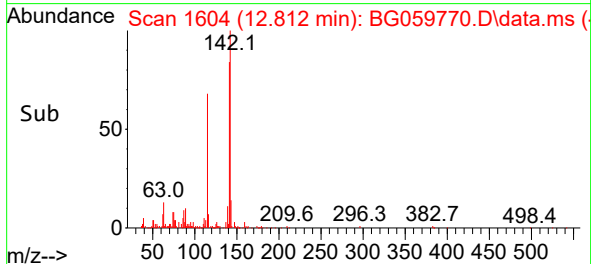
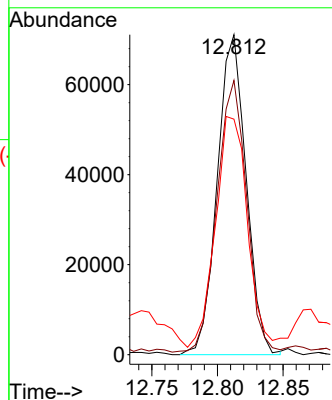
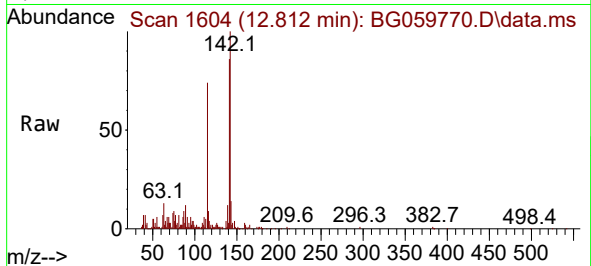
Tgt Ion:142 Resp: 108798
Ion Ratio Lower Upper
142 100
141 85.7 61.9 92.9
115 73.6 49.0 73.4

Manual Integrations

APPROVED

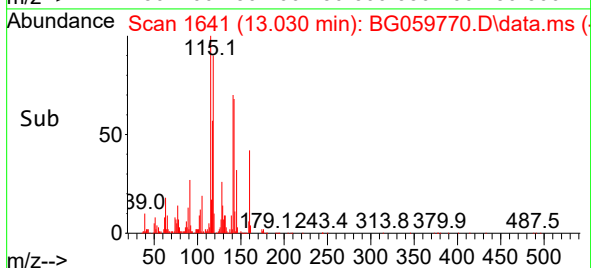
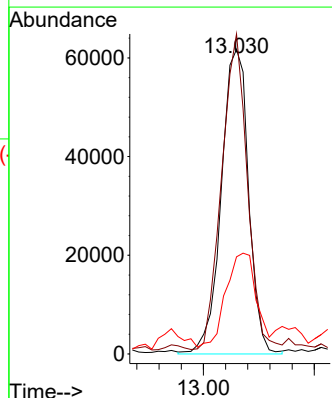
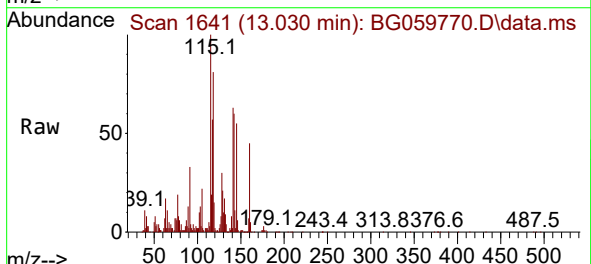
Reviewed By :Yogesh Patel 11/21/2023

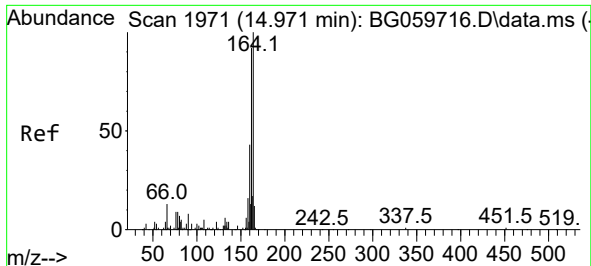
Supervised By :mohammad ahmed 11/21/2023



#38
1-Methylnaphthalene
Concen: 22.847 ng m
RT: 13.030 min Scan# 1641
Delta R.T. -0.008 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

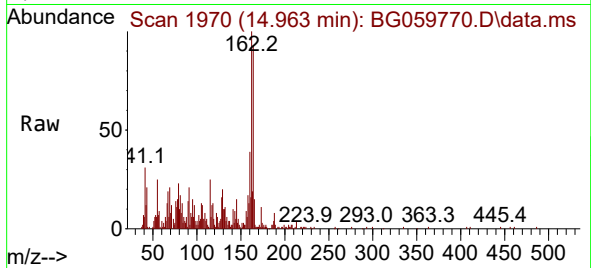
Tgt Ion:142 Resp: 105302
Ion Ratio Lower Upper
142 100
141 105.0 77.8 116.8
116 31.9 6.2 9.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

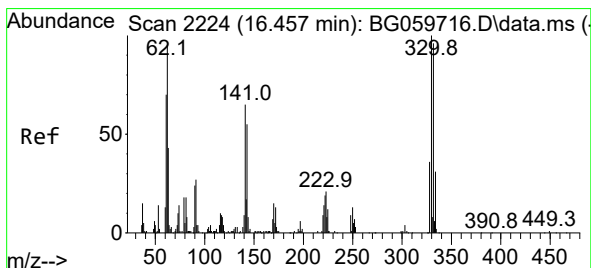
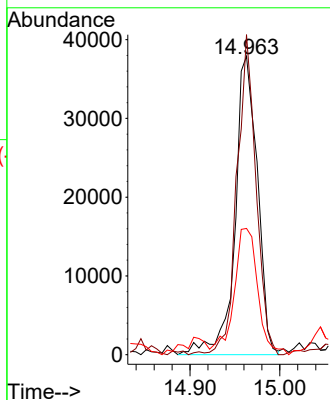
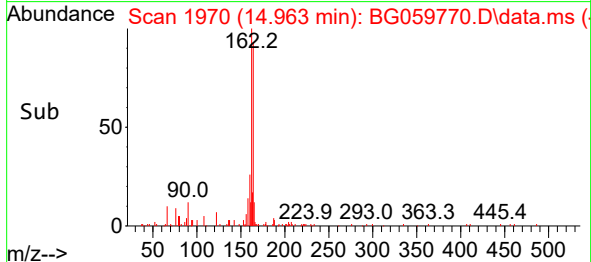
Instrument :
BNA_G
ClientSampleId :
EC-48-WC-1



Tgt Ion:164 Resp: 65662
Ion Ratio Lower Upper
164 100
162 107.2 73.3 109.9
160 42.3 34.1 51.1

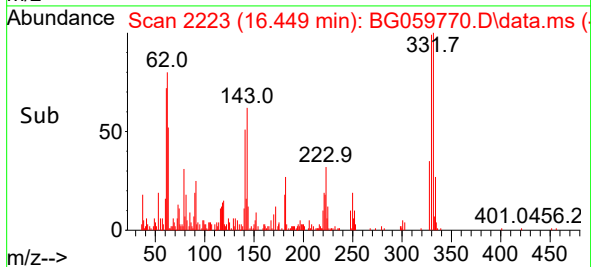
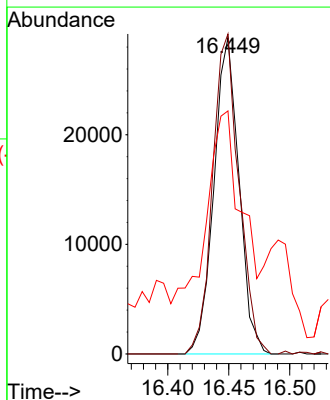
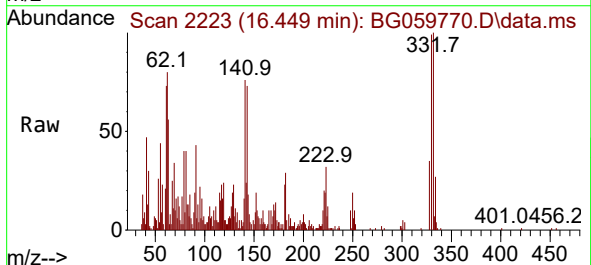
Manual Integrations
APPROVED

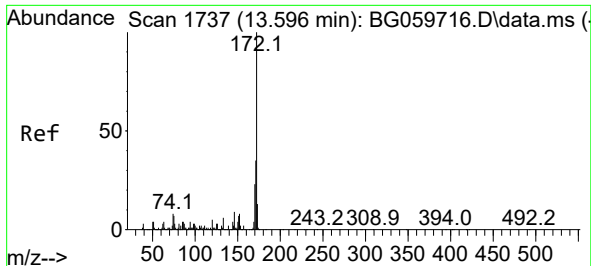
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#42
2,4,6-Tribromophenol
Concen: 55.354 ng
RT: 16.449 min Scan# 2223
Delta R.T. -0.008 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

Tgt Ion:330 Resp: 41240
Ion Ratio Lower Upper
330 100
332 106.3 73.3 109.9
141 88.6 52.1 78.1#





#45
2-Fluorobiphenyl
Concen: 58.576 ng
RT: 13.582 min Scan# 1735
Delta R.T. -0.014 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

Instrument :

BNA_G

ClientSampleId :

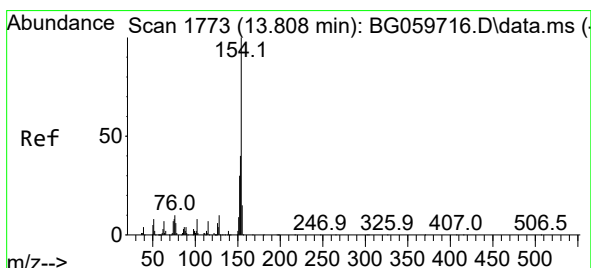
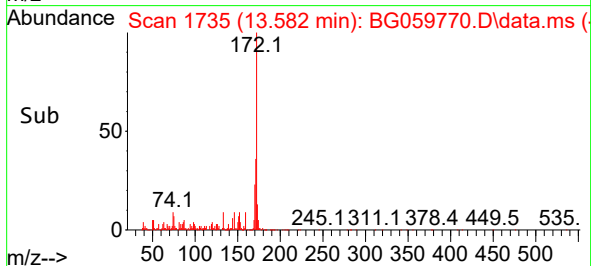
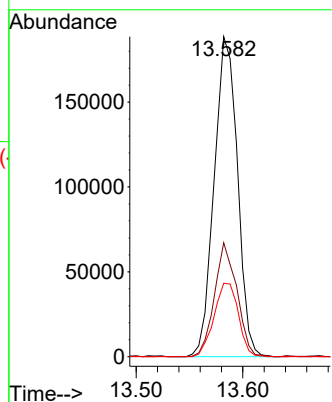
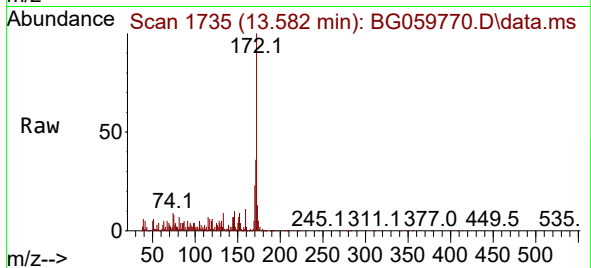
EC-48-WC-1

Tgt Ion:172 Resp: 285744
Ion Ratio Lower Upper
172 100
171 35.6 27.7 41.5
170 22.9 18.4 27.6

Manual Integrations

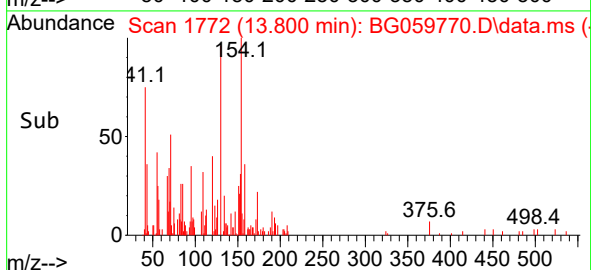
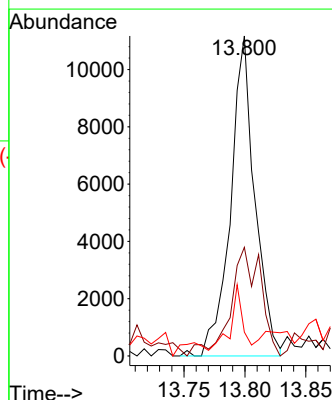
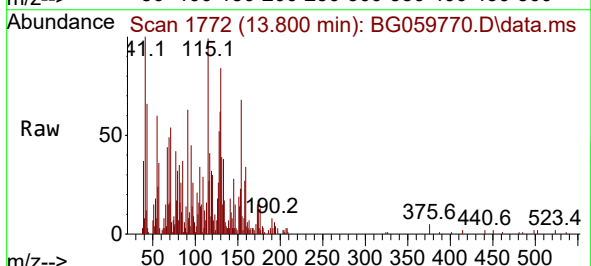
APPROVED

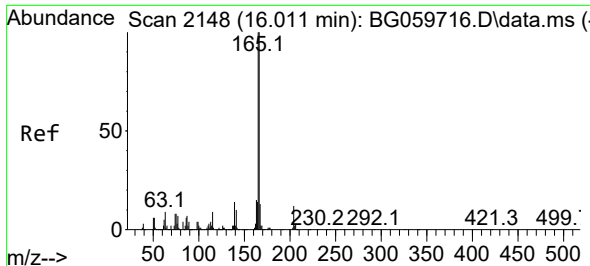
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#46
1,1'-Biphenyl
Concen: 3.009 ng
RT: 13.800 min Scan# 1772
Delta R.T. -0.008 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

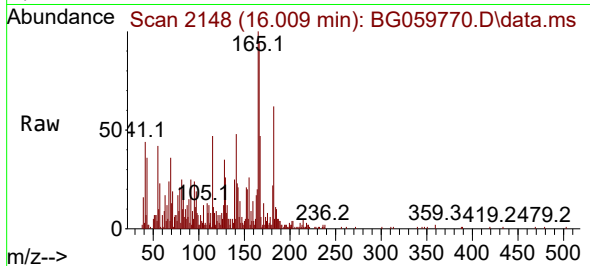
Tgt Ion:154 Resp: 15508
Ion Ratio Lower Upper
154 100
153 34.0 19.7 59.7
76 7.4 0.0 30.4





#58
Fluorene
Concen: 7.726 ng
RT: 16.009 min Scan# 2148
Delta R.T. -0.002 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

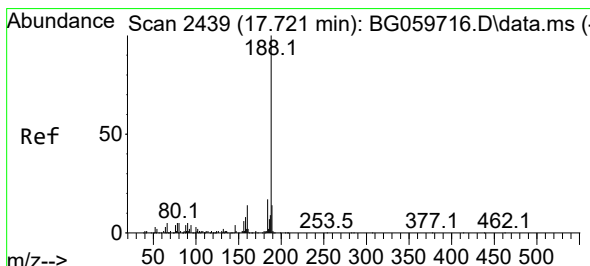
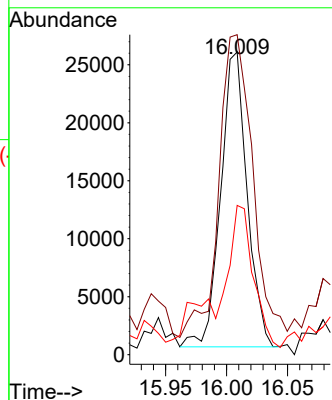
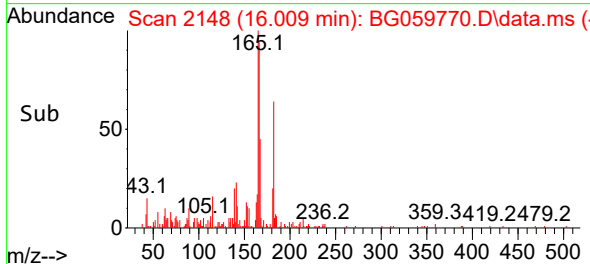
Instrument :
BNA_G
ClientSampleId :
EC-48-WC-1



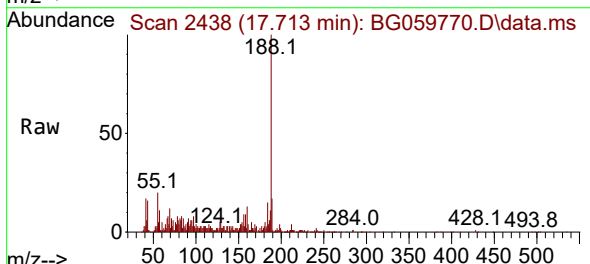
Tgt Ion:166 Resp: 3843
Ion Ratio Lower Upper
166 100
165 105.7 79.9 119.9
167 49.3 10.1 15.1

Manual Integrations
APPROVED

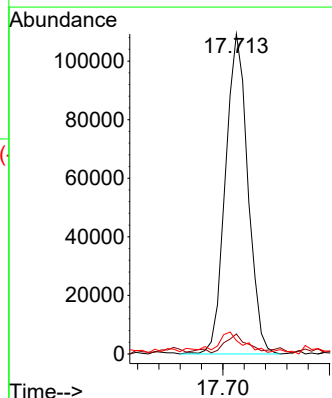
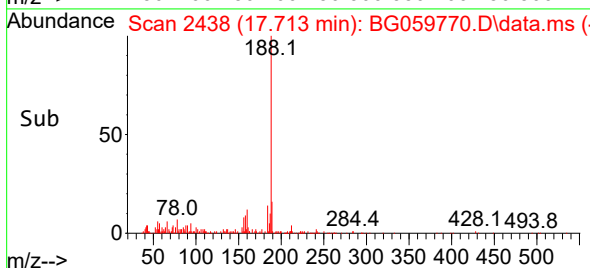
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

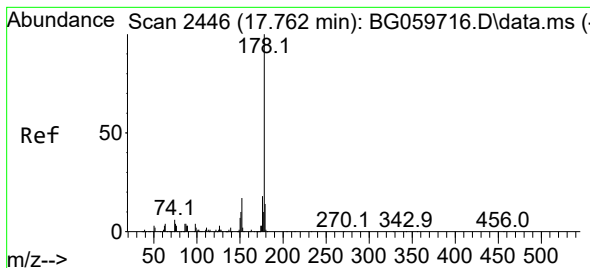


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2438
Delta R.T. -0.008 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46



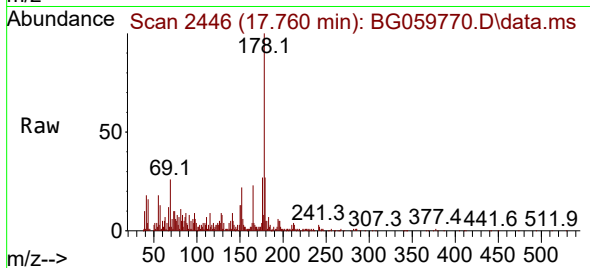
Tgt Ion:188 Resp: 159814
Ion Ratio Lower Upper
188 100
94 6.2 3.0 4.4#
80 4.2 4.2 6.4#





#71
Phenanthrene
Concen: 16.985 ng
RT: 17.760 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

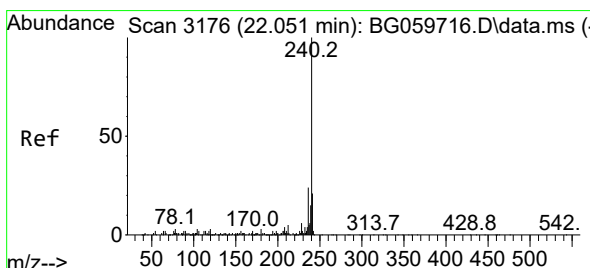
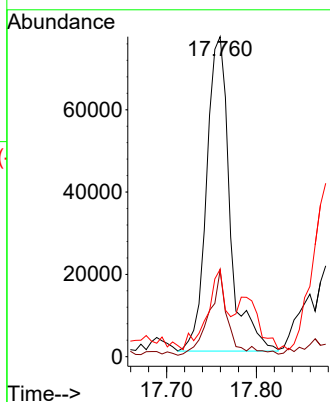
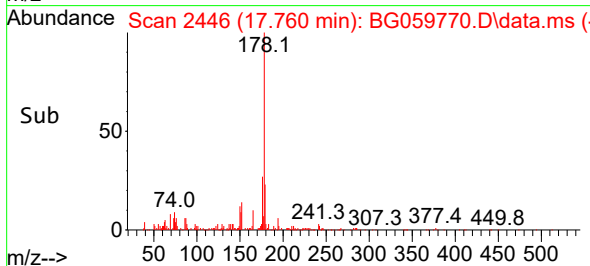
Instrument :
BNA_G
ClientSampleId :
EC-48-WC-1



Tgt Ion:178 Resp: 138012
Ion Ratio Lower Upper
178 100
176 27.0 14.5 21.7
179 27.3 11.2 16.8

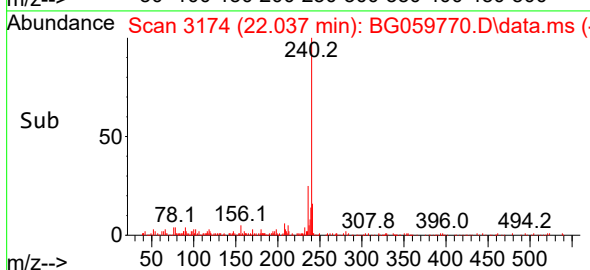
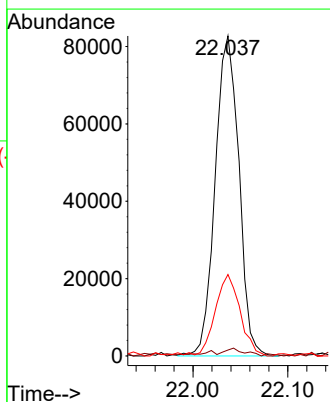
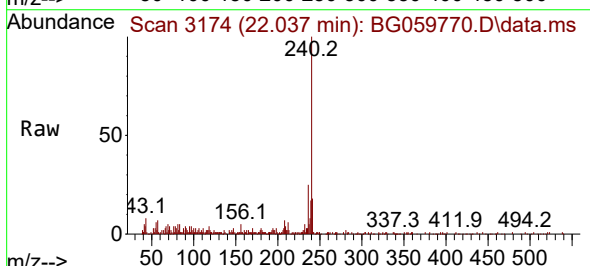
Manual Integrations
APPROVED

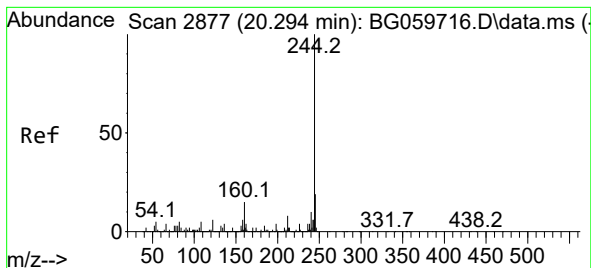
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.037 min Scan# 3174
Delta R.T. -0.014 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

Tgt Ion:240 Resp: 143713
Ion Ratio Lower Upper
240 100
120 1.9 2.2 3.2
236 25.4 19.4 29.2





#79

Terphenyl-d14

Concen: 56.425 ng

RT: 20.286 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG059770.D

Acq: 20 Nov 2023 15:46

Instrument :

BNA_G

ClientSampleId :

EC-48-WC-1

Tgt Ion:244 Resp: 549298

Ion Ratio Lower Upper

244 100

212 8.9 6.6 10.0

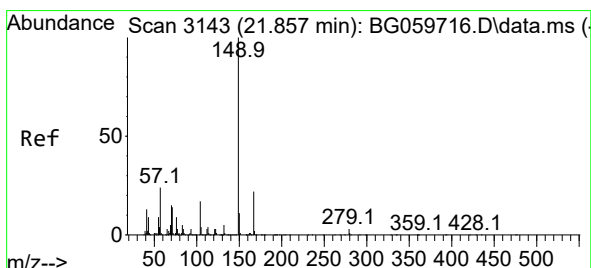
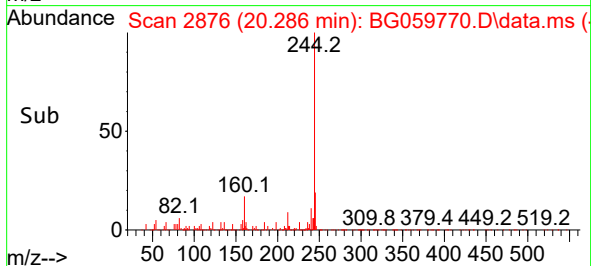
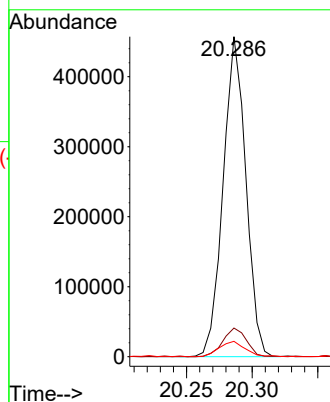
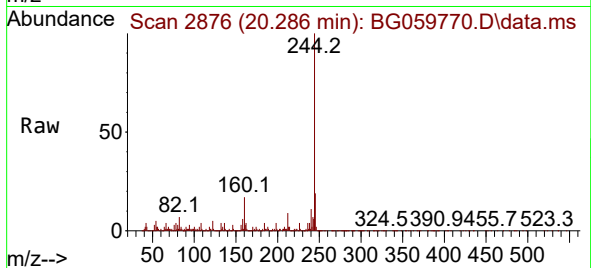
122 4.8 4.4 6.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.764 ng

RT: 21.831 min Scan# 3139

Delta R.T. -0.026 min

Lab File: BG059770.D

Acq: 20 Nov 2023 15:46

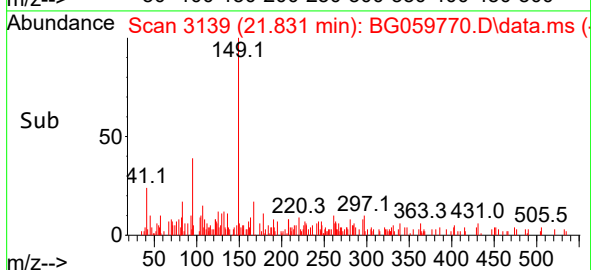
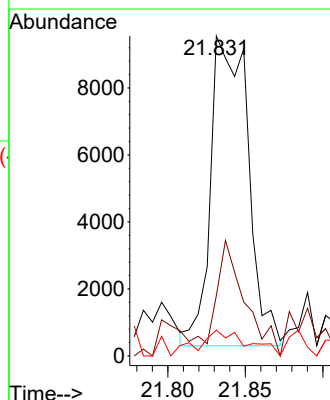
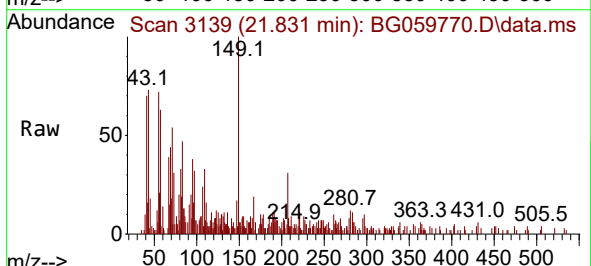
Tgt Ion:149 Resp: 15492

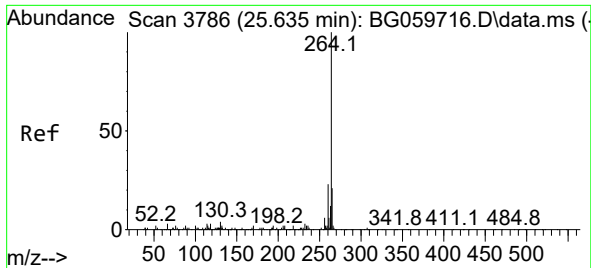
Ion Ratio Lower Upper

149 100

167 18.9 17.6 26.4

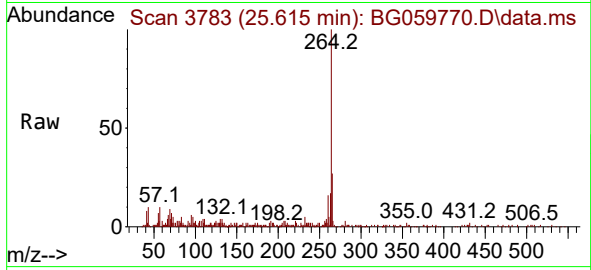
279 8.1 2.7 4.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.615 min Scan# 31
Delta R.T. -0.020 min
Lab File: BG059770.D
Acq: 20 Nov 2023 15:46

Instrument :
BNA_G
ClientSampleId :
EC-48-WC-1



Tgt Ion:264 Resp: 176733
Ion Ratio Lower Upper
264 100
260 16.3 18.5 27.7
265 27.3 17.0 25.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

