

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
 Data File : BG059909.D
 Acq On : 27 Nov 2023 20:33
 Operator : MA/JU
 Sample : 05463-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-11162023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023

Quant Time: Nov 27 23:15:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 13:17:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.311	152	34596	20.000	ng	0.00
21) Naphthalene-d8	11.155	136	148411	20.000	ng	# 0.00
39) Acenaphthene-d10	14.939	164	89537	20.000	ng	0.00
64) Phenanthrene-d10	17.694	188	171856	20.000	ng	# 0.00
76) Chrysene-d12	22.013	240	130597	20.000	ng	# 0.00
86) Perylene-d12	25.579	264	169910	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.808	112	233596	113.647	ng	0.01
7) Phenol-d6	7.436	99	309165	101.500	ng	0.00
23) Nitrobenzene-d5	9.510	82	276637	71.190	ng	0.00
42) 2,4,6-Tribromophenol	16.431	330	119703	117.829	ng	0.00
45) 2-Fluorobiphenyl	13.564	172	544997	81.932	ng	0.00
79) Terphenyl-d14	20.268	244	686390	77.588	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.736	178	67452	7.720	ng	# 92
75) Fluoranthene	19.727	202	138856	13.252	ng	100
78) Pyrene	20.092	202	118212	13.304	ng	98
81) Benzo(a)anthracene	21.989	228	69824	7.814	ng	# 90
83) Chrysene	22.060	228	62508	7.631	ng	# 85
87) Indeno(1,2,3-cd)pyrene	29.698	276	52350	4.072	ng	# 73
88) Benzo(b)fluoranthene	24.428	252	102137	10.968	ng	# 95
89) Benzo(k)fluoranthene	24.486	252	35541m	3.860	ng	
90) Benzo(a)pyrene	25.403	252	78255	7.874	ng	# 93
92) Benzo(g,h,i)perylene	31.020	276	57601m	5.581	ng	

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

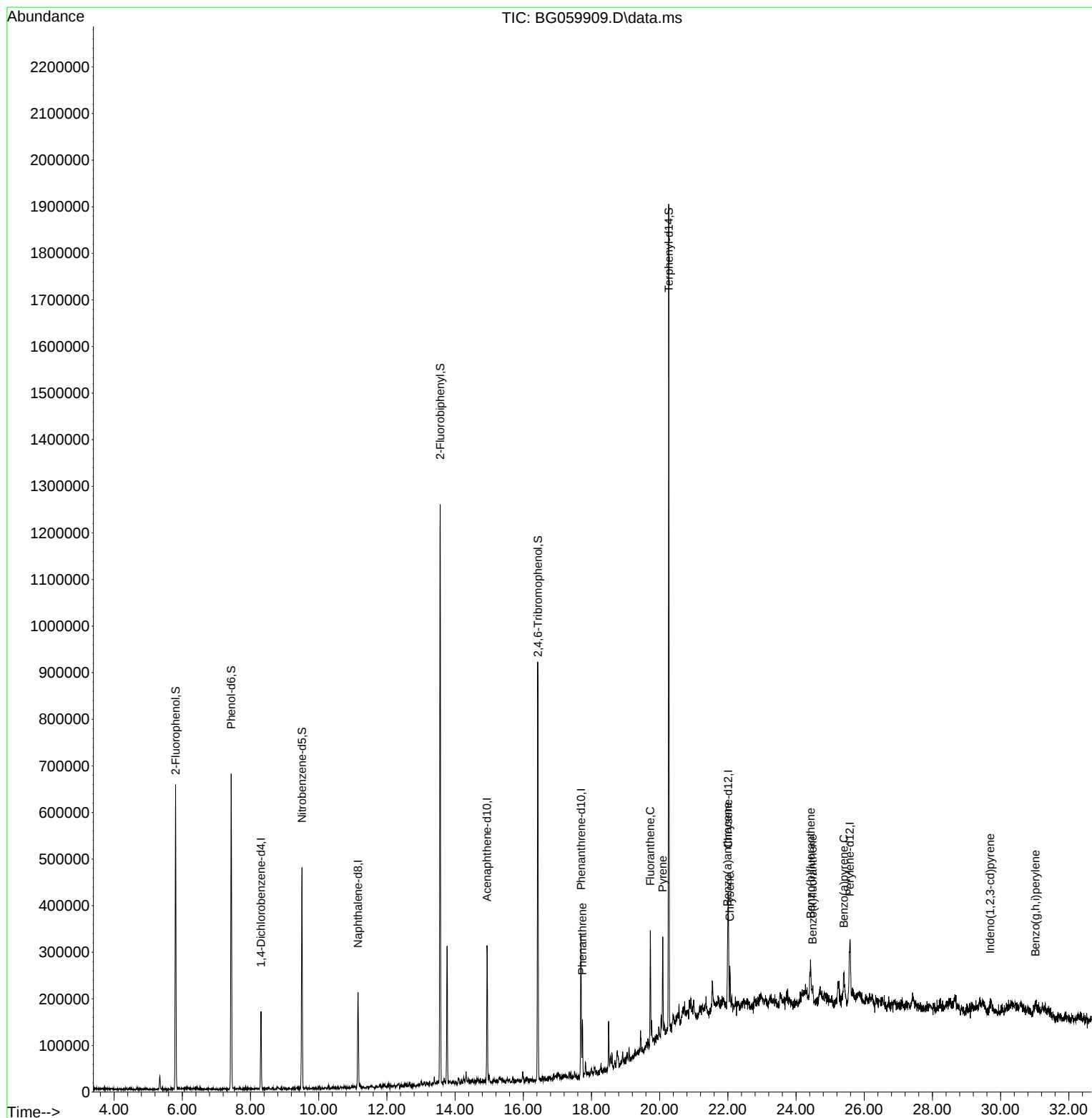
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059909.D
Acq On : 27 Nov 2023 20:33
Operator : MA/JU
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ALS Vial : 14 Sample Multiplier: 1

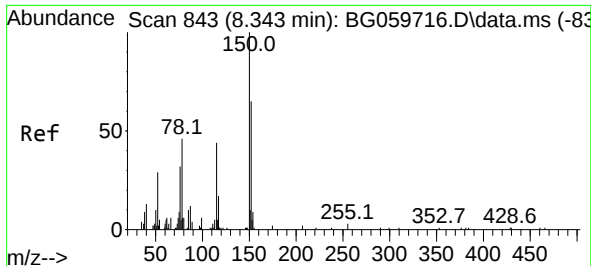
Instrument :
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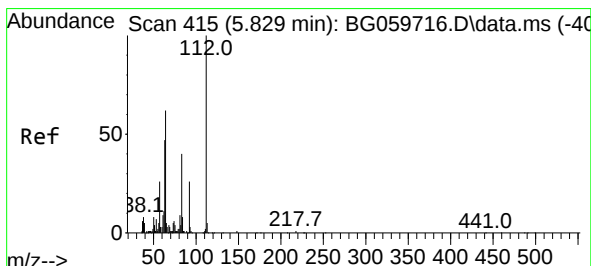
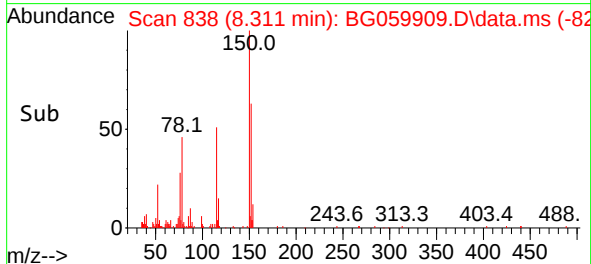
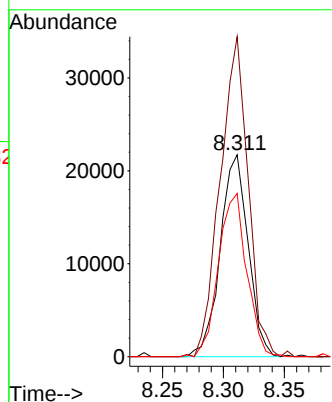
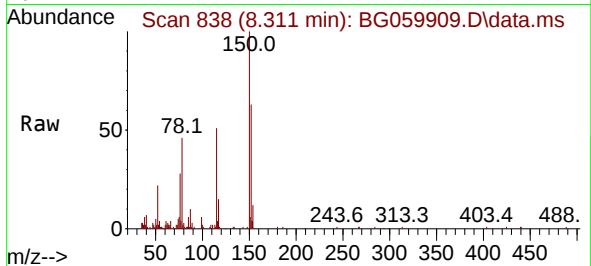
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.311 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Instrument :
BNA_G
ClientSampleId :
NB-08-11162023

Tgt Ion:152 Resp: 34590
Ion Ratio Lower Upper
152 100
150 158.5 122.2 183.4
115 80.8 54.2 81.4

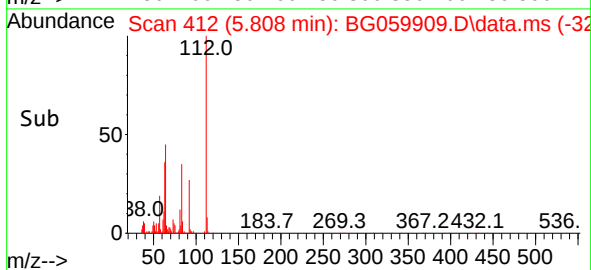
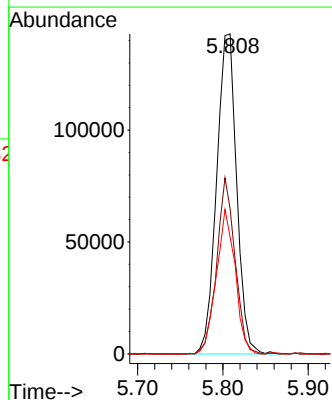
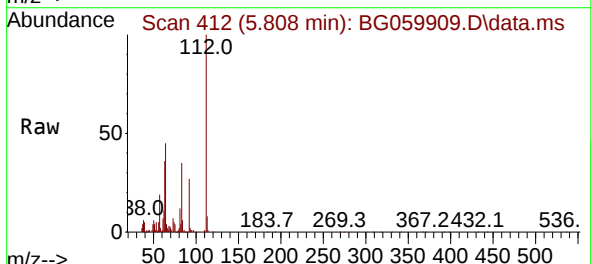
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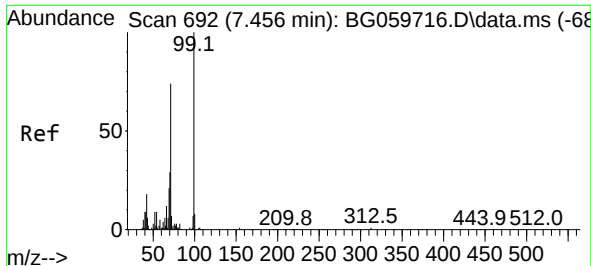
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#5
2-Fluorophenol
Concen: 113.647 ng
RT: 5.808 min Scan# 412
Delta R.T. 0.012 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

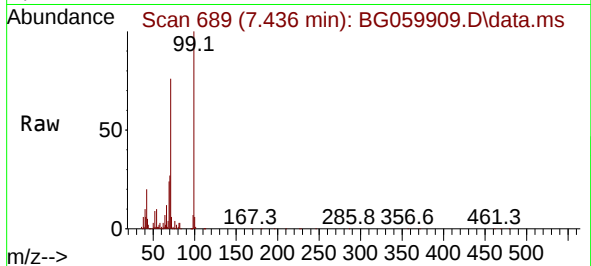
Tgt Ion:112 Resp: 233596
Ion Ratio Lower Upper
112 100
64 45.4 49.5 74.3#
63 36.5 37.4 56.2#





#7
Phenol-d6
Concen: 101.500 ng
RT: 7.436 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

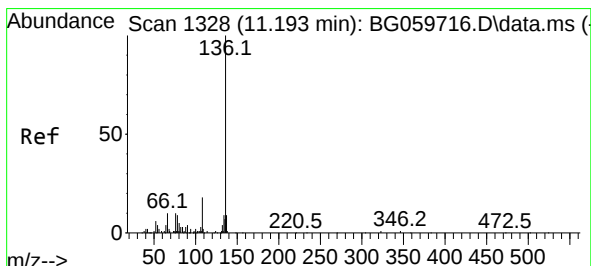
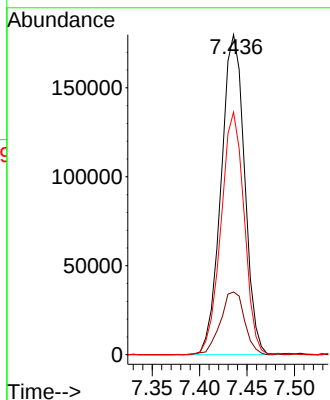
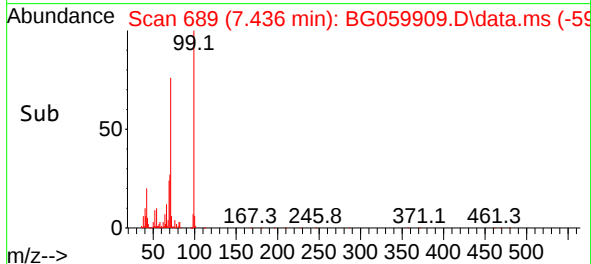
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023



Tgt Ion: 99 Resp: 30916
Ion Ratio Lower Upper
99 100
42 19.6 14.3 21.5
71 75.8 59.3 88.9

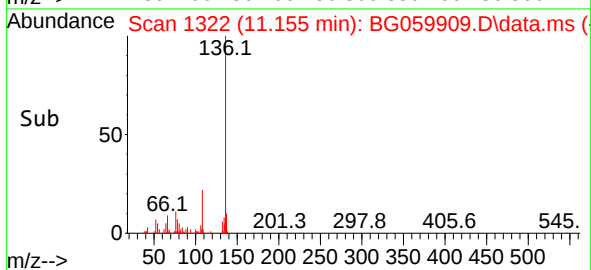
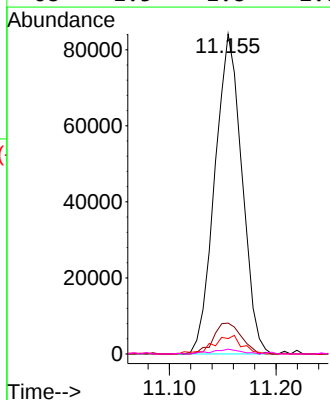
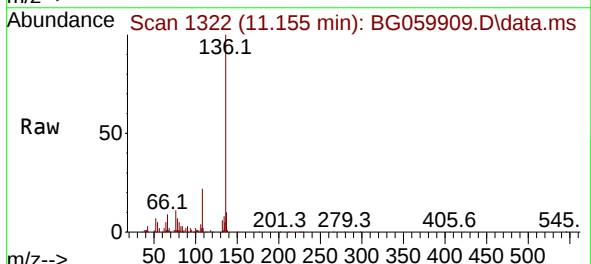
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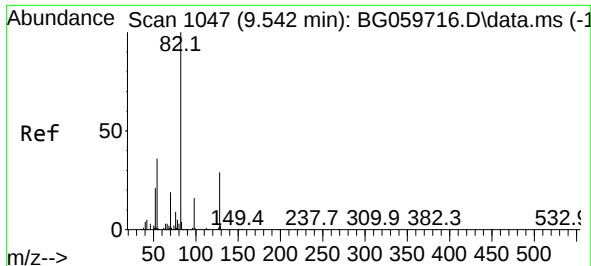
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.155 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

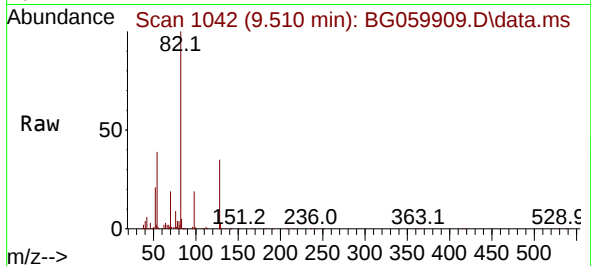
Tgt Ion:136 Resp: 148411
Ion Ratio Lower Upper
136 100
137 9.6 7.4 11.0
54 4.8 3.1 4.7#
68 1.5 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 71.190 ng
RT: 9.510 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

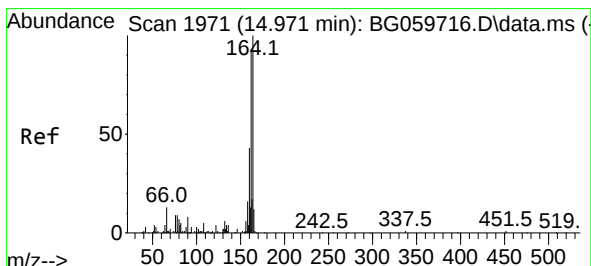
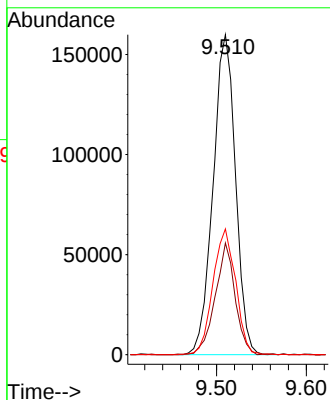
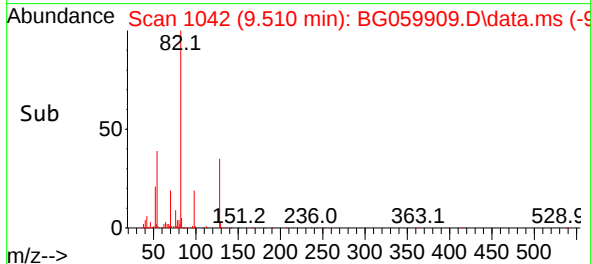
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023



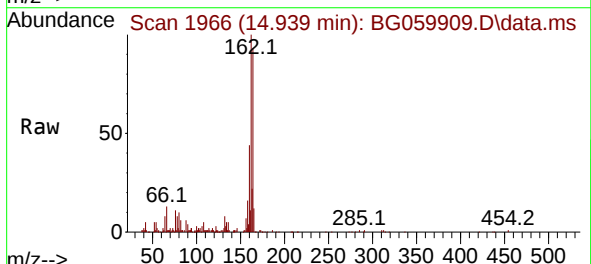
Tgt Ion: 82 Resp: 276637
Ion Ratio Lower Upper
82 100
128 34.9 23.0 34.6
54 39.3 28.7 43.1

Manual Integrations
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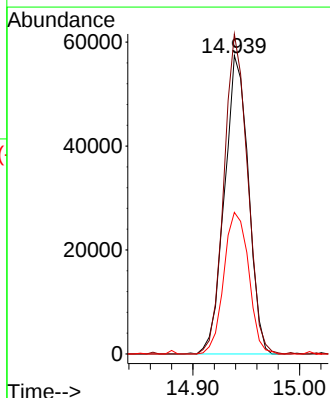
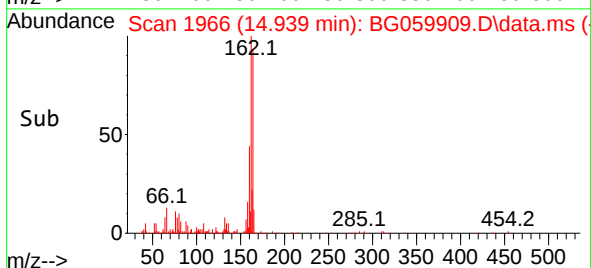
Reviewed By :Yogesh Patel 11/28/2023
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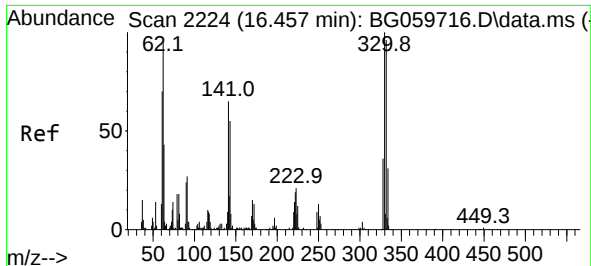


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.939 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33



Tgt Ion:164 Resp: 89537
Ion Ratio Lower Upper
164 100
162 107.3 73.3 109.9
160 47.5 34.1 51.1





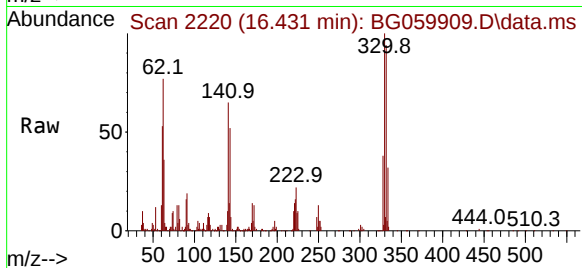
#42
2,4,6-Tribromophenol
Concen: 117.829 ng
RT: 16.431 min Scan# 211
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Instrument :

BNA_G

ClientSampleId :

NB-08-11162023

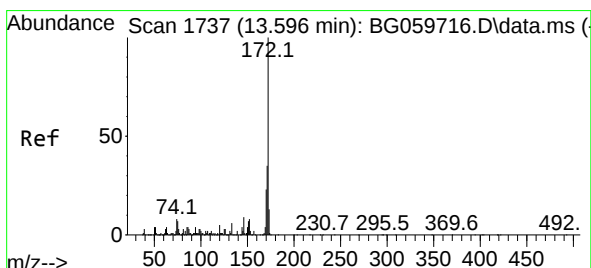
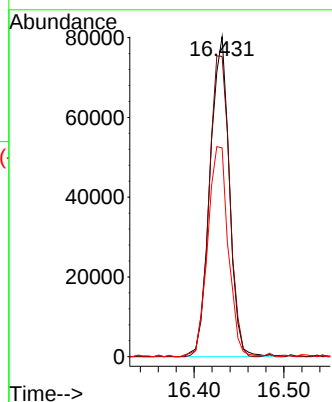
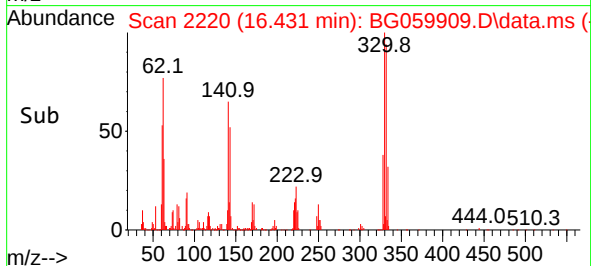


Tgt Ion:330 Resp: 11970
Ion Ratio Lower Upper
330 100
332 99.2 73.3 109.9
141 69.9 52.1 78.1

Manual Integrations

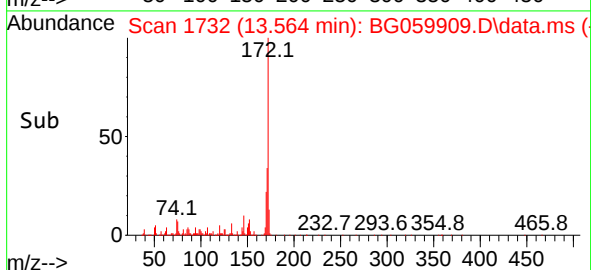
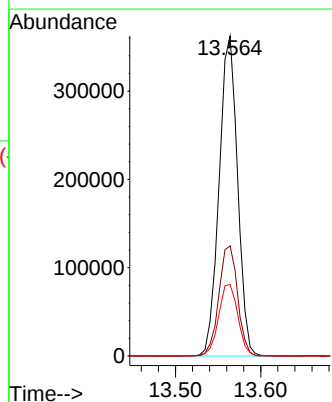
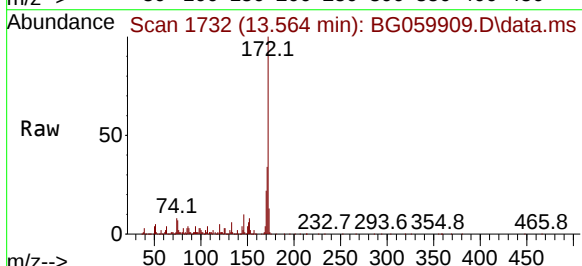
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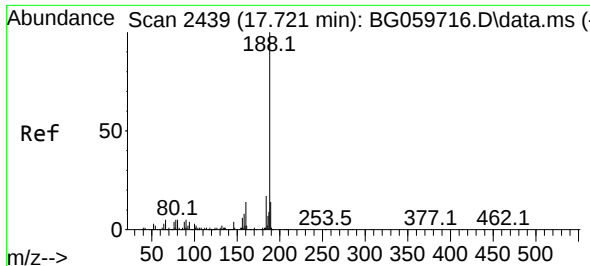
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#45
2-Fluorobiphenyl
Concen: 81.932 ng
RT: 13.564 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Tgt Ion:172 Resp: 544997
Ion Ratio Lower Upper
172 100
171 34.4 27.7 41.5
170 22.3 18.4 27.6





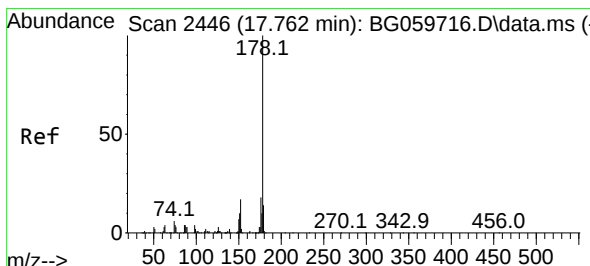
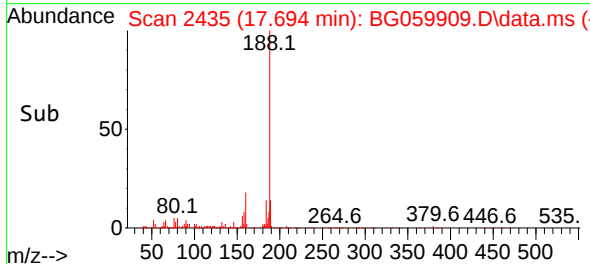
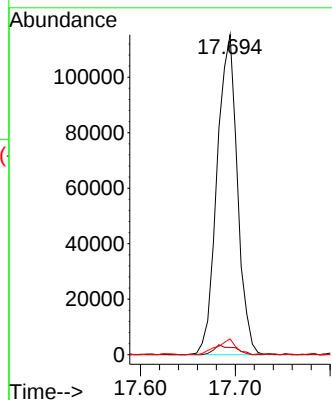
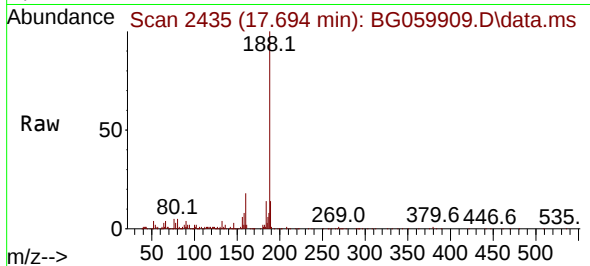
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.694 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Instrument :
BNA_G
ClientSampleId :
NB-08-11162023

Tgt Ion:188 Resp: 171850
Ion Ratio Lower Upper
188 100
94 2.3 3.0 4.4
80 5.0 4.2 6.4

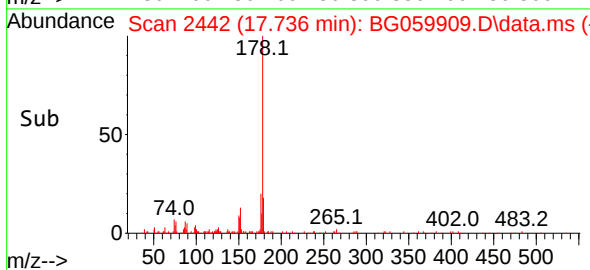
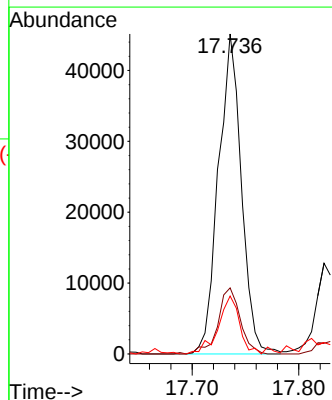
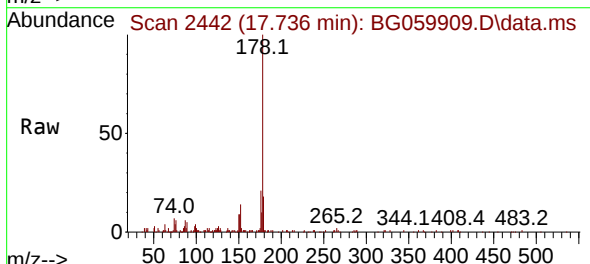
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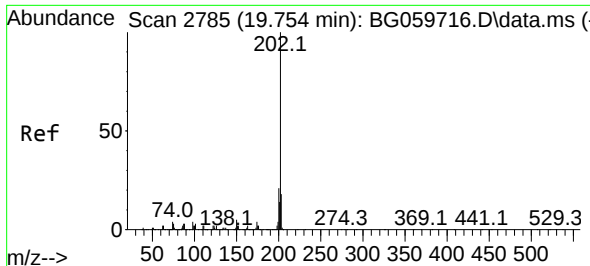
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#71
Phenanthrene
Concen: 7.720 ng
RT: 17.736 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

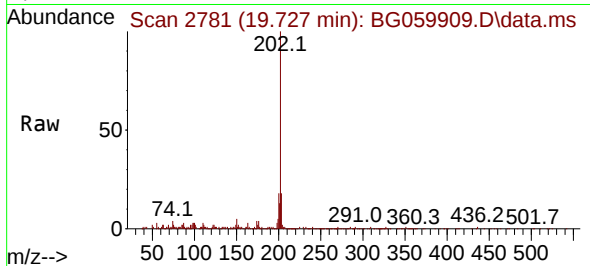
Tgt Ion:178 Resp: 67452
Ion Ratio Lower Upper
178 100
176 20.7 14.5 21.7
179 18.1 11.2 16.8





#75
Fluoranthene
Concen: 13.252 ng
RT: 19.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

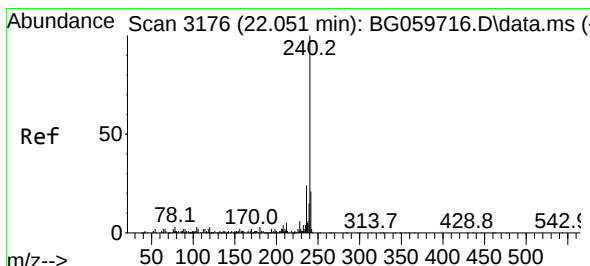
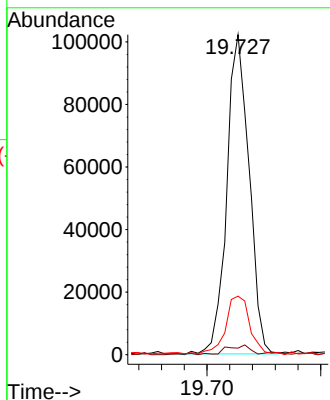
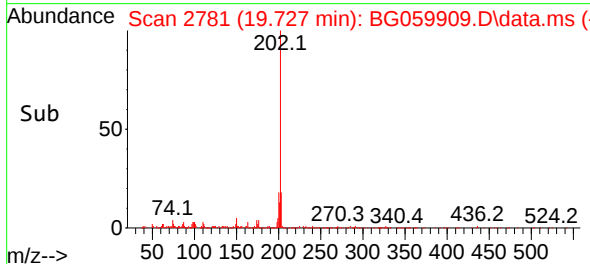
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023



Tgt Ion:202 Resp: 138850
Ion Ratio Lower Upper
202 100
101 2.0 0.0 22.7
203 18.3 0.0 38.2

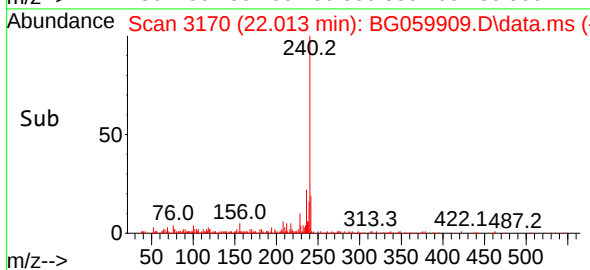
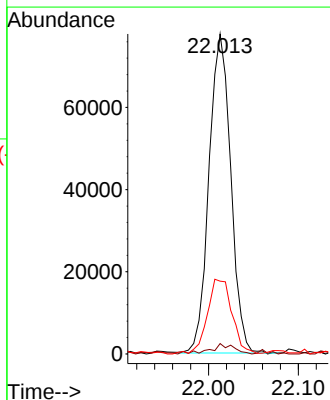
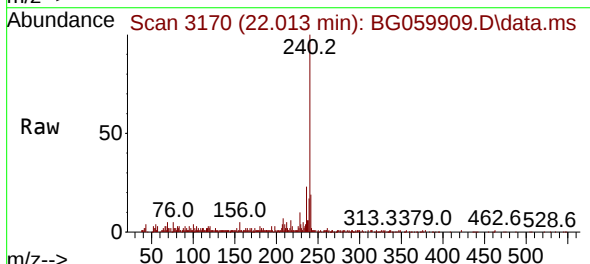
Manual Integrations
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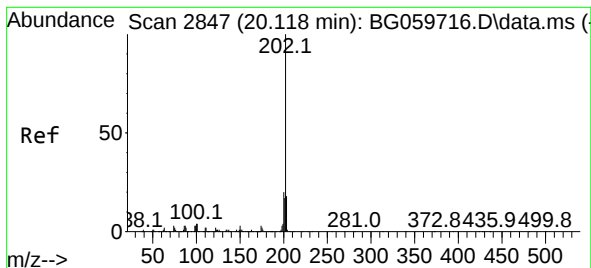
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3170
Delta R.T. -0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Tgt Ion:240 Resp: 130597
Ion Ratio Lower Upper
240 100
120 3.3 2.2 3.2#
236 22.8 19.4 29.2





#78

Pyrene

Concen: 13.304 ng

RT: 20.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

Instrument :

BNA_G

ClientSampleId :

NB-08-11162023

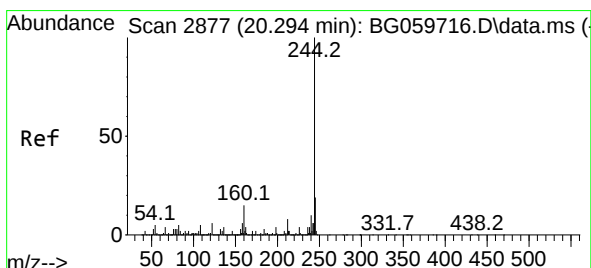
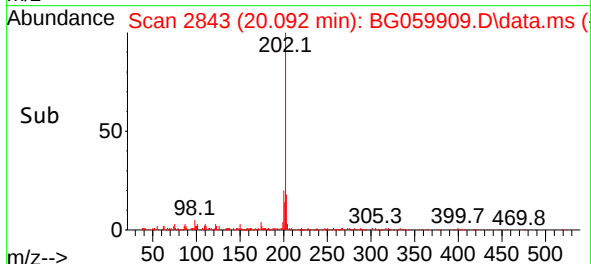
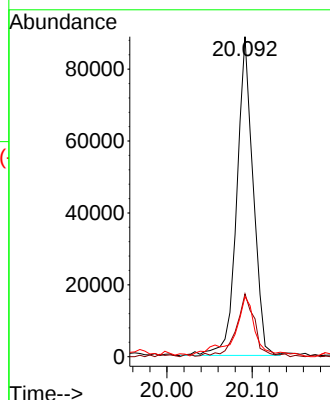
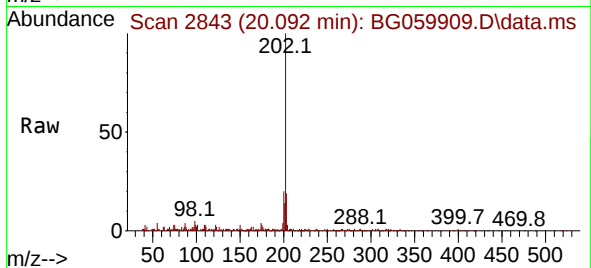
Tgt Ion:	202	Resp:	11821
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.2	24.4
203	18.7	14.0	21.0

Manual Integrations

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Supervised By :mohammad ahmed 11/28/2023



#79

Terphenyl-d14

Concen: 77.588 ng

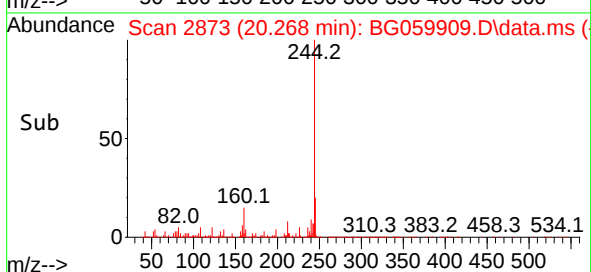
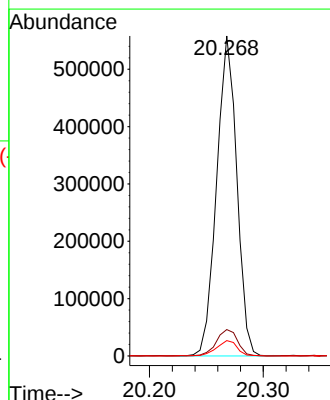
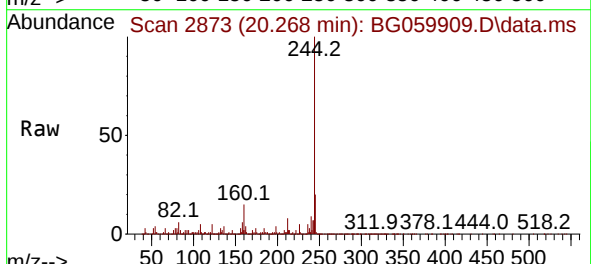
RT: 20.268 min Scan# 2873

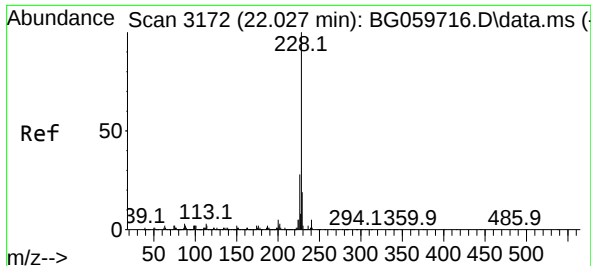
Delta R.T. 0.000 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

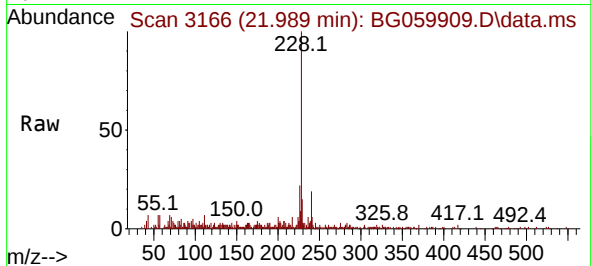
Tgt Ion:	244	Resp:	686390
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.6	10.0
122	4.8	4.4	6.6





#81
Benzo(a)anthracene
Concen: 7.814 ng
RT: 21.989 min Scan# 3166
Delta R.T. -0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

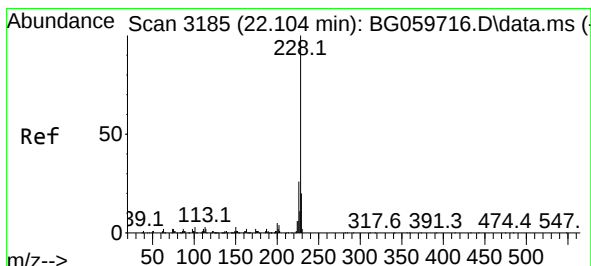
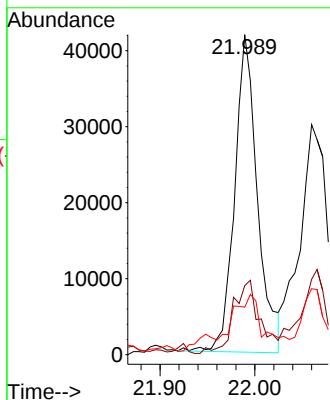
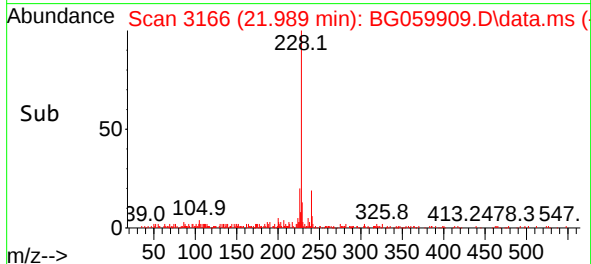
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023



Tgt Ion:228 Resp: 69824
Ion Ratio Lower Upper
228 100
226 21.6 22.1 33.1#
229 14.8 14.9 22.3#

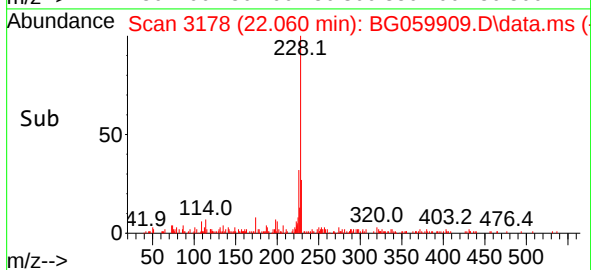
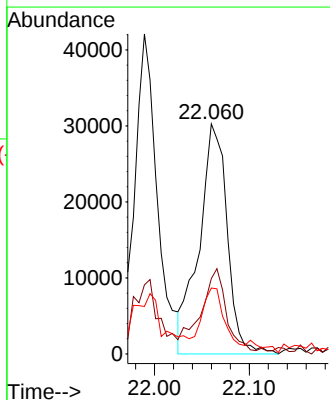
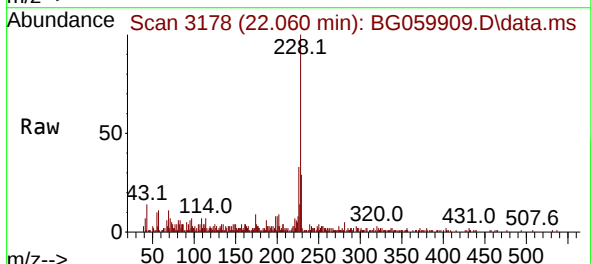
Manual Integrations
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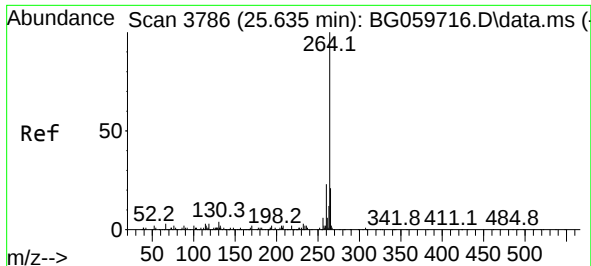
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#83
Chrysene
Concen: 7.631 ng
RT: 22.060 min Scan# 3178
Delta R.T. -0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Tgt Ion:228 Resp: 62508
Ion Ratio Lower Upper
228 100
226 32.8 21.1 31.7#
229 28.7 16.2 24.4#





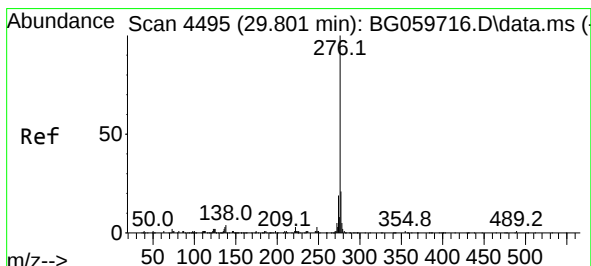
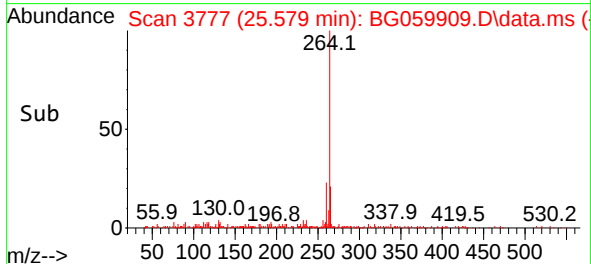
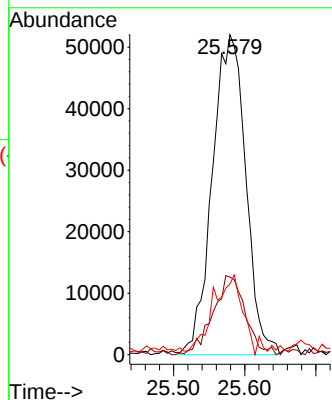
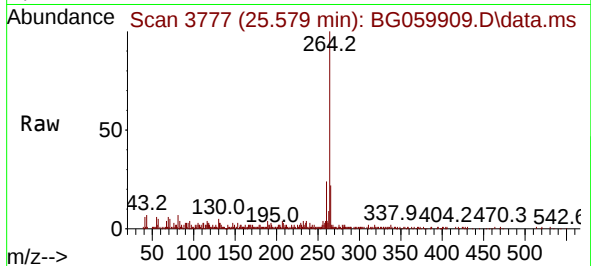
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.579 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BG059909.D
 Acq: 27 Nov 2023 20:33

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-11162023

Tgt Ion:264 Resp: 169910
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.5 27.7
 265 22.1 17.0 25.6

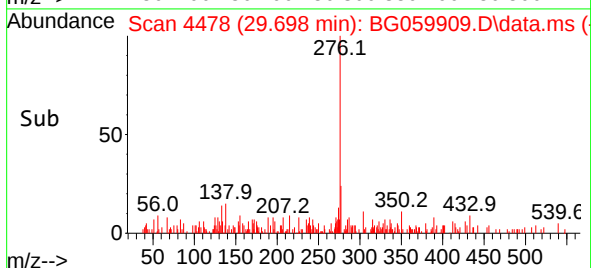
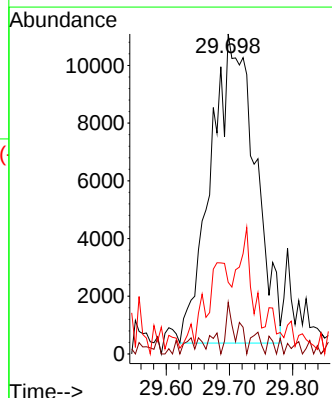
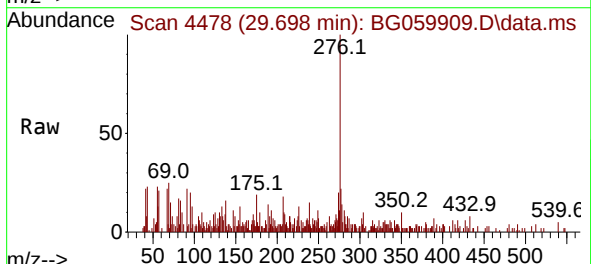
Manual Integrations
 APPROVED

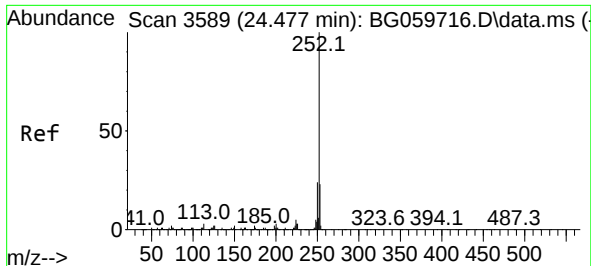
Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.072 ng
 RT: 29.698 min Scan# 4478
 Delta R.T. -0.017 min
 Lab File: BG059909.D
 Acq: 27 Nov 2023 20:33

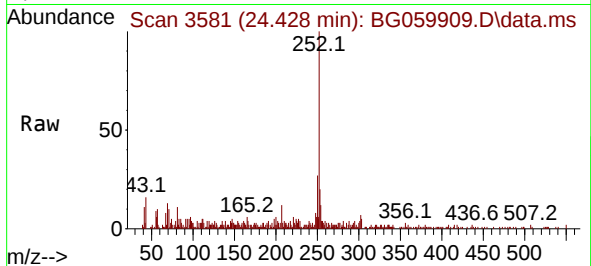
Tgt Ion:276 Resp: 52350
 Ion Ratio Lower Upper
 276 100
 138 2.5 1.8 2.6
 277 0.0 9.8 14.6#





#88
Benzo(b)fluoranthene
Concen: 10.968 ng
RT: 24.428 min Scan# 3581
Delta R.T. 0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

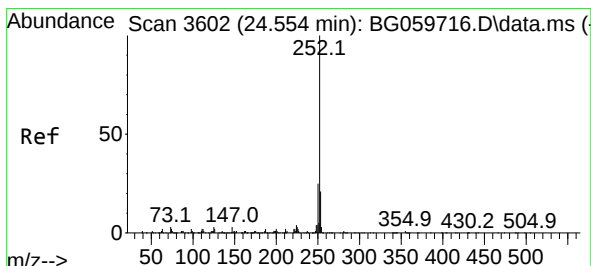
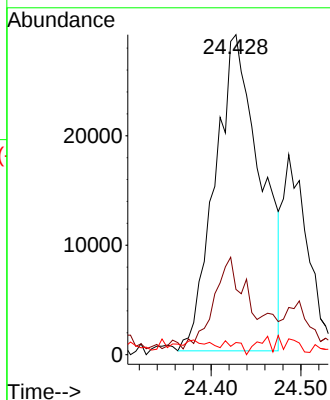
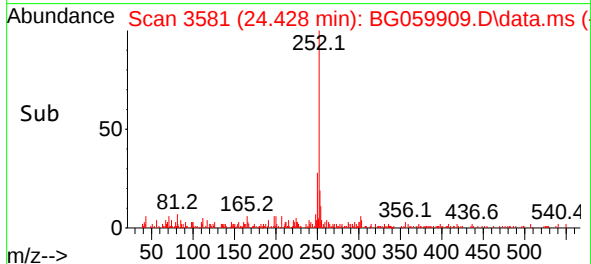
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023



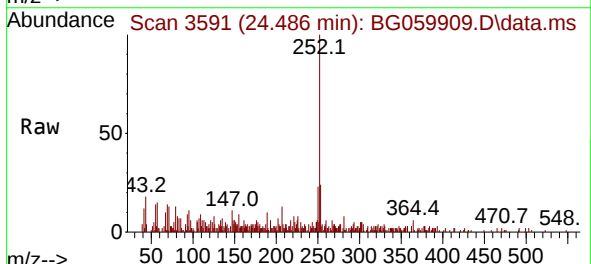
Tgt Ion:252 Resp: 10213
Ion Ratio Lower Upper
252 100
253 20.4 18.3 27.5
125 3.8 1.4 2.0

Manual Integrations
APPROVED

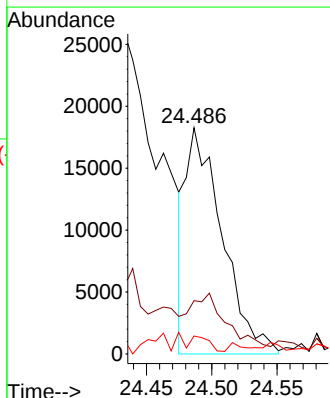
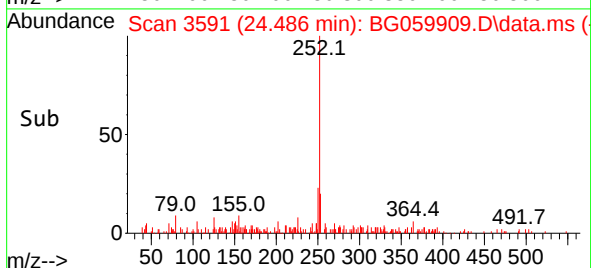
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

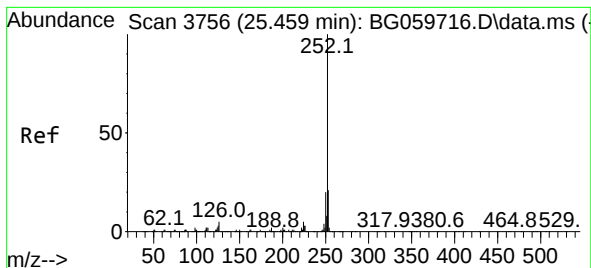


#89
Benzo(k)fluoranthene
Concen: 3.860 ng m
RT: 24.486 min Scan# 3591
Delta R.T. -0.017 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33



Tgt Ion:252 Resp: 35541
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 7.9 2.2 3.2





#90

Benzo(a)pyrene

Concen: 7.874 ng

RT: 25.403 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

Instrument :

BNA_G

ClientSampleId :

NB-08-11162023

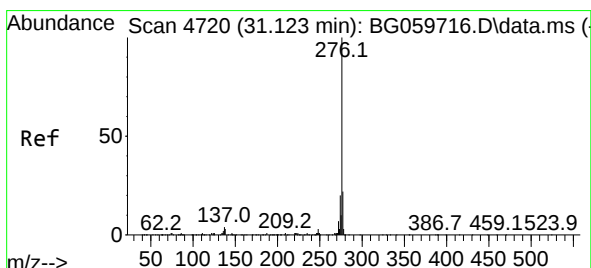
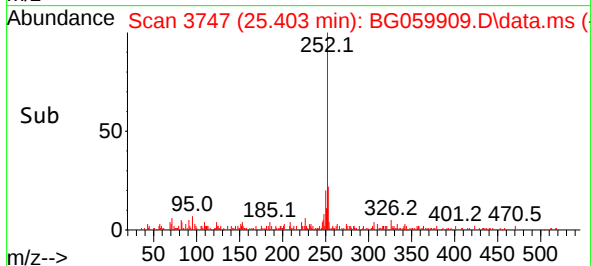
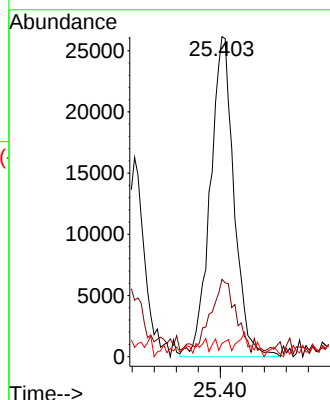
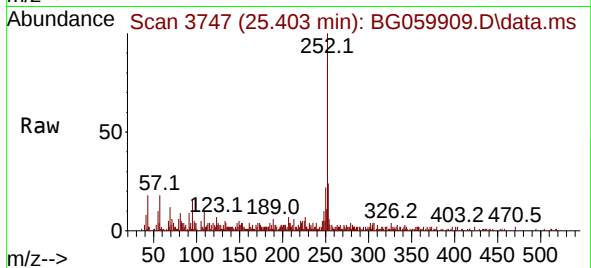
Tgt Ion:	252	Resp:	7825
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.8	25.2
125	4.2	2.0	3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#92

Benzo(g,h,i)perylene

Concen: 5.581 ng m

RT: 31.020 min Scan# 4703

Delta R.T. -0.017 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

Tgt Ion:	276	Resp:	57601
Ion Ratio	Lower	Upper	
276	100		
277	40.5	17.3	25.9#
138	0.0	2.6	4.0#

