

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
 Data File : BG059906.D
 Acq On : 27 Nov 2023 18:31
 Operator : MA/JU
 Sample : 05446-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-111523A

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 23:13:44 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	8.309	152	34955	20.000	ng	0.00
21) Naphthalene-d8	11.158	136	134429	20.000	ng	# 0.00
39) Acenaphthene-d10	14.936	164	81571	20.000	ng	0.00
64) Phenanthrene-d10	17.686	188	161038	20.000	ng	# 0.00
76) Chrysene-d12	22.010	240	140318	20.000	ng	0.00
86) Perylene-d12	25.571	264	170245	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	182579	87.915	ng	0.00
7) Phenol-d6	7.433	99	258919	84.131	ng	0.00
23) Nitrobenzene-d5	9.507	82	240813	68.416	ng	0.00
42) 2,4,6-Tribromophenol	16.423	330	101786	109.977	ng	0.00
45) 2-Fluorobiphenyl	13.561	172	439947	72.598	ng	0.00
79) Terphenyl-d14	20.265	244	657078	69.129	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.733	178	106357	12.990	ng	# 93
72) Anthracene	17.821	178	23115	2.717	ng	# 84
75) Fluoranthene	19.725	202	149113	15.187	ng	98
78) Pyrene	20.089	202	139988m	14.663	ng	
81) Benzo(a)anthracene	21.987	228	70394	7.332	ng	97
83) Chrysene	22.063	228	57097m	6.487	ng	
87) Indeno(1,2,3-cd)pyrene	29.690	276	45494m	3.532	ng	
88) Benzo(b)fluoranthene	24.413	252	82613	8.854	ng	# 98
89) Benzo(k)fluoranthene	24.484	252	32749m	3.550	ng	
90) Benzo(a)pyrene	25.400	252	61557	6.181	ng	# 91
92) Benzo(g,h,i)perylene	30.994	276	39784	3.847	ng	# 96

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

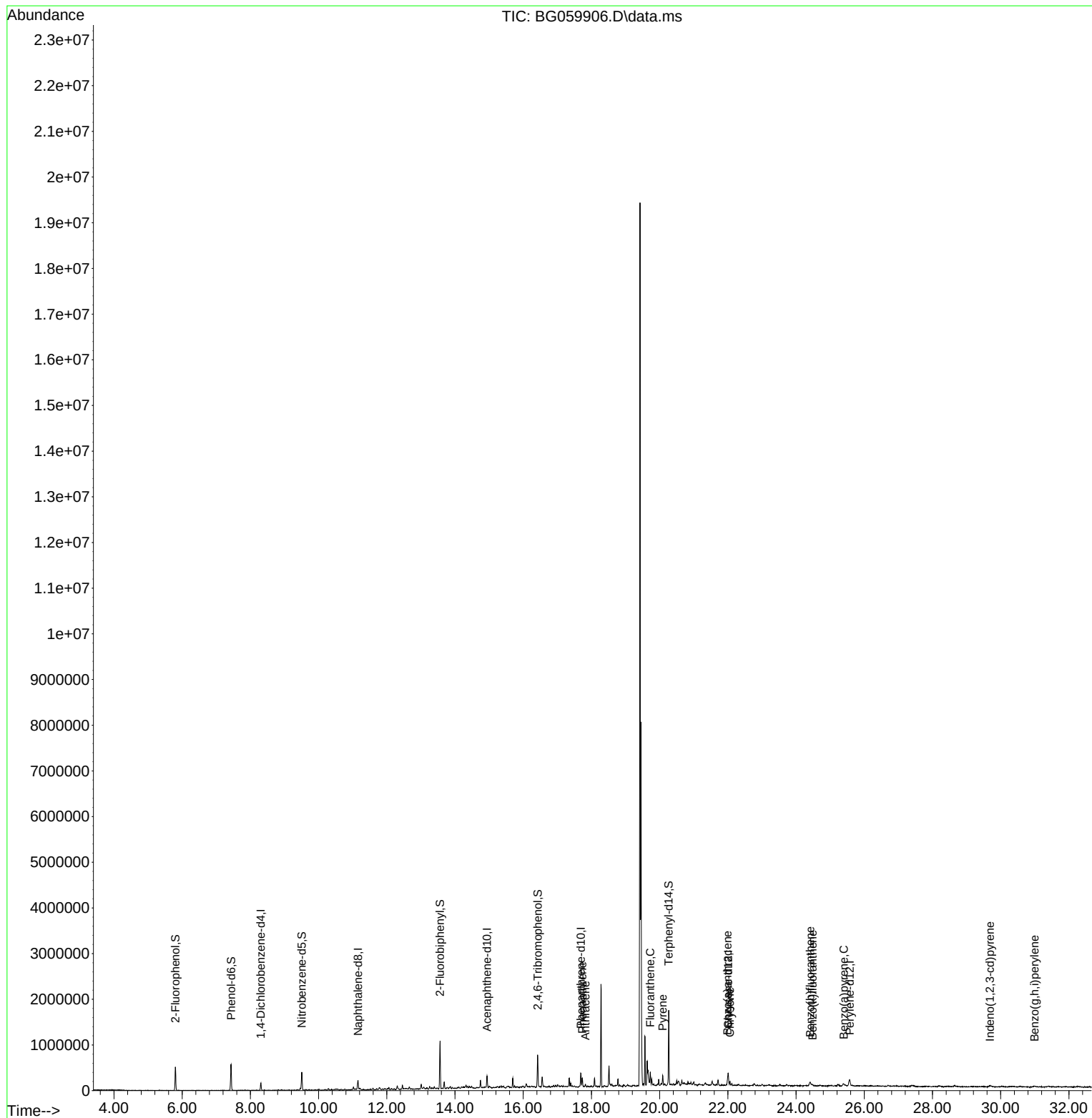
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059906.D
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ALS Vial : 11 Sample Multiplier: 1

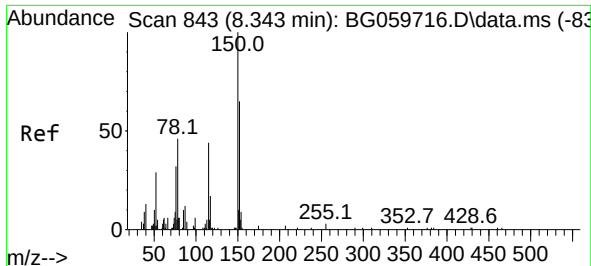
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 27 13:17:45 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.309 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

Instrument :

BNA_G

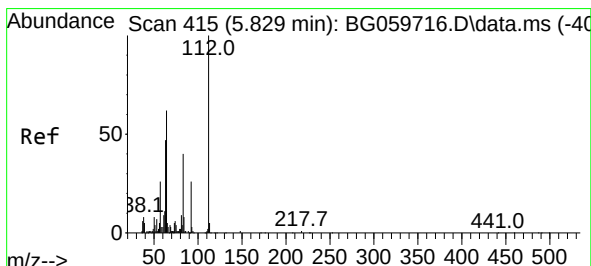
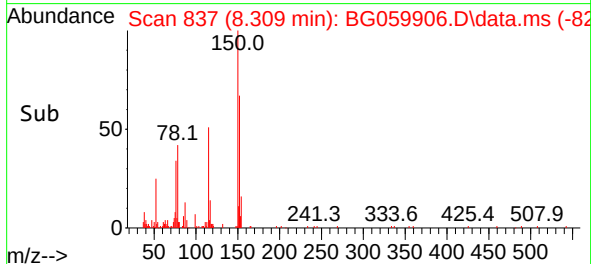
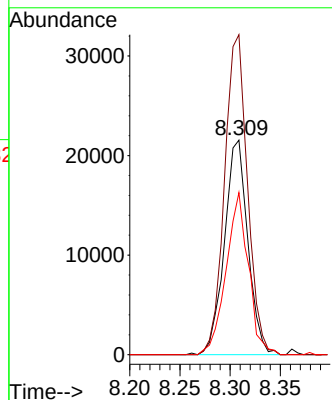
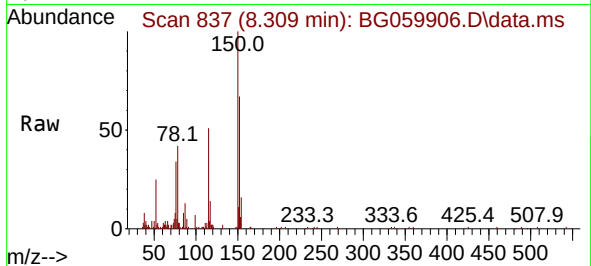
ClientSampleId :

JC-03-111523A

Tgt Ion:152 Resp: 3495
Ion Ratio Lower Upper
152 100
150 149.1 122.2 183.4
115 75.6 54.2 81.4

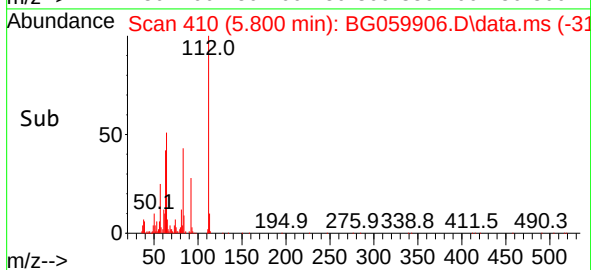
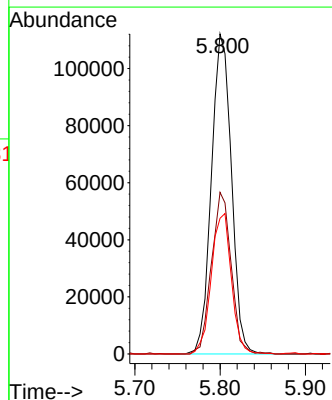
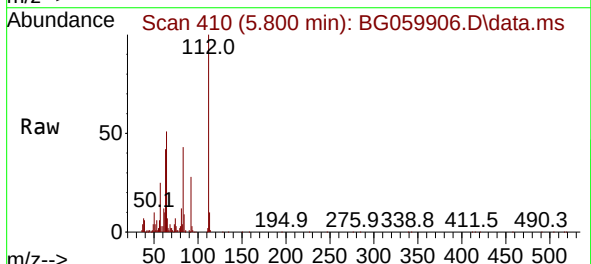
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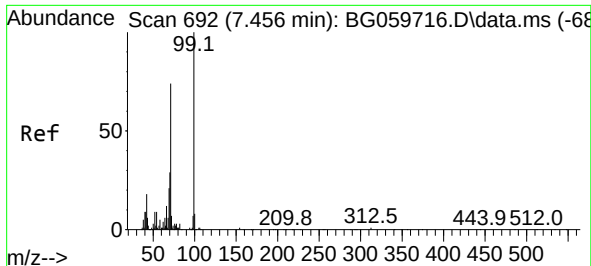
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#5
2-Fluorophenol
Concen: 87.915 ng
RT: 5.800 min Scan# 410
Delta R.T. 0.004 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

Tgt Ion:112 Resp: 182579
Ion Ratio Lower Upper
112 100
64 50.5 49.5 74.3
63 42.4 37.4 56.2





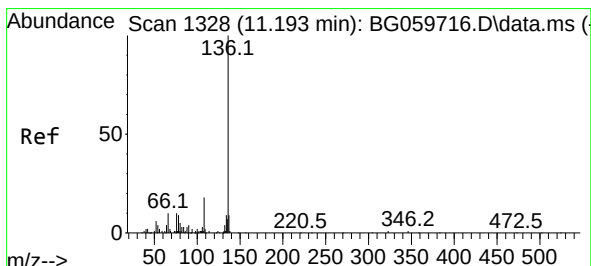
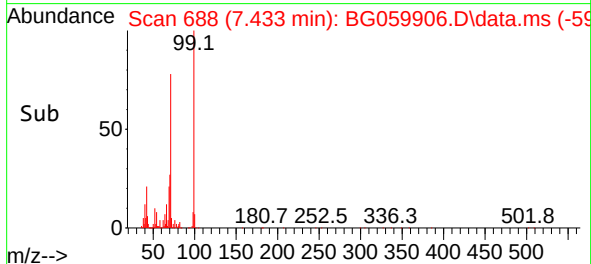
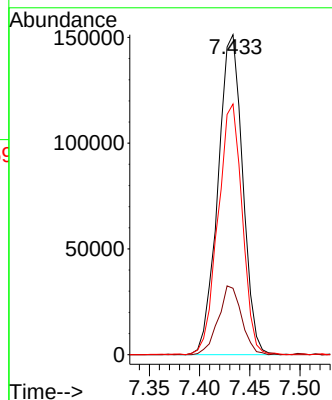
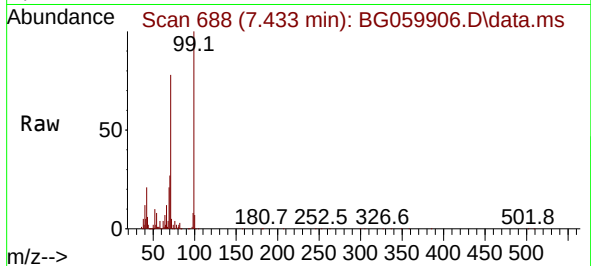
#7
Phenol-d6
Concen: 84.131 ng
RT: 7.433 min Scan# 60
Delta R.T. 0.004 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

Instrument :
BNA_G
ClientSampleId :
JC-03-111523A

Tgt Ion: 99 Resp: 258919
Ion Ratio Lower Upper
99 100
42 20.7 14.3 21.5
71 78.4 59.3 88.9

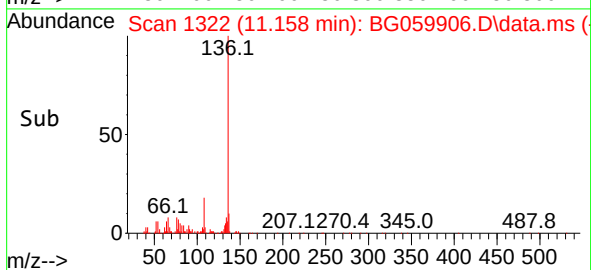
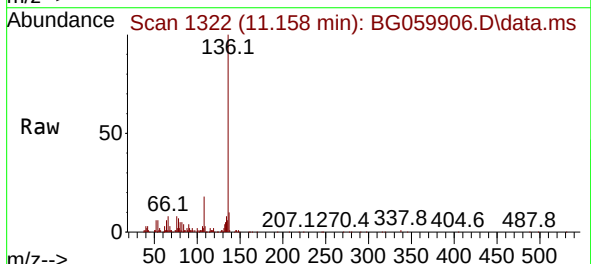
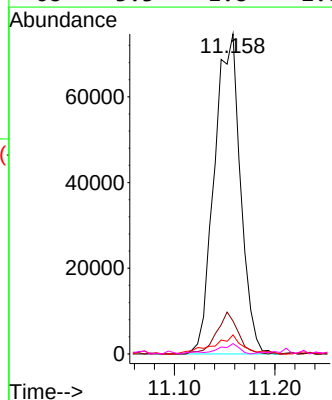
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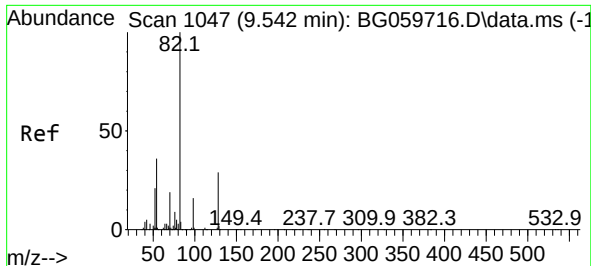
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.158 min Scan# 1322
Delta R.T. 0.004 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

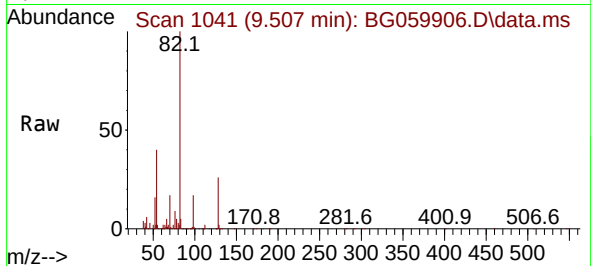
Tgt Ion:136 Resp: 134429
Ion Ratio Lower Upper
136 100
137 10.3 7.4 11.0
54 6.0 3.1 4.7#
68 3.3 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 68.416 ng
RT: 9.507 min Scan# 1041
Delta R.T. -0.002 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

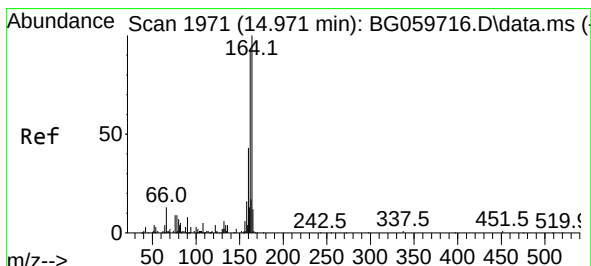
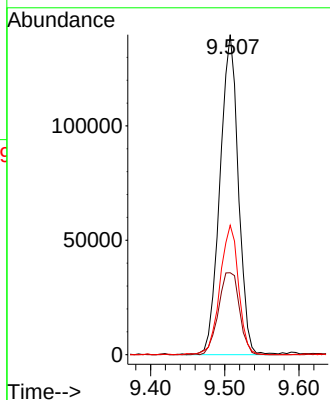
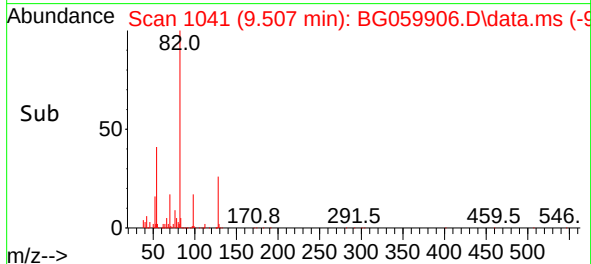
Instrument :
BNA_G
ClientSampleId :
JC-03-111523A



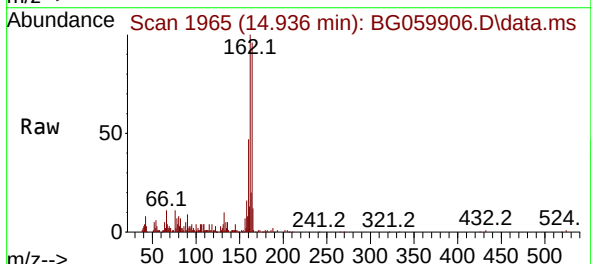
Tgt Ion: 82 Resp: 24081
Ion Ratio Lower Upper
82 100
128 25.6 23.0 34.6
54 40.4 28.7 43.1

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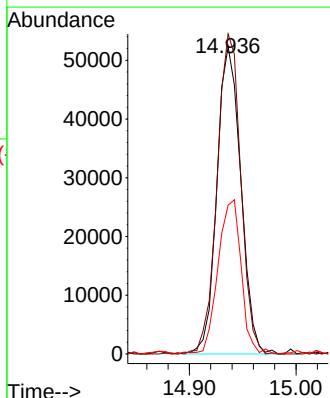
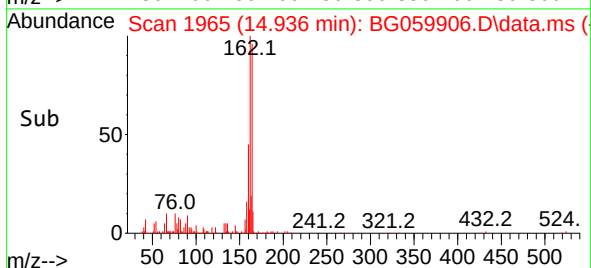
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

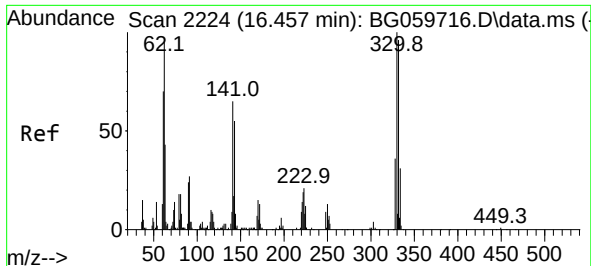


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.936 min Scan# 1965
Delta R.T. -0.008 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31



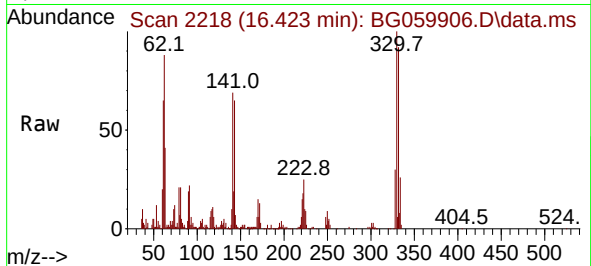
Tgt Ion:164 Resp: 81571
Ion Ratio Lower Upper
164 100
162 104.2 73.3 109.9
160 48.5 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 109.977 ng
RT: 16.423 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

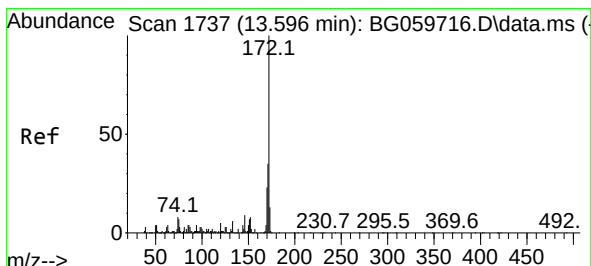
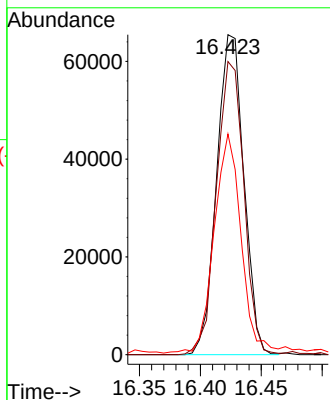
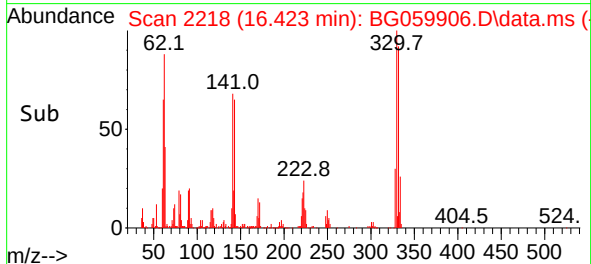
Instrument :
BNA_G
ClientSampleId :
JC-03-111523A



Tgt Ion:330 Resp: 101780
Ion Ratio Lower Upper
330 100
332 92.2 73.3 109.9
141 68.3 52.1 78.1

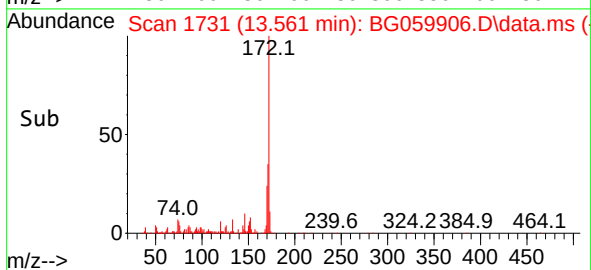
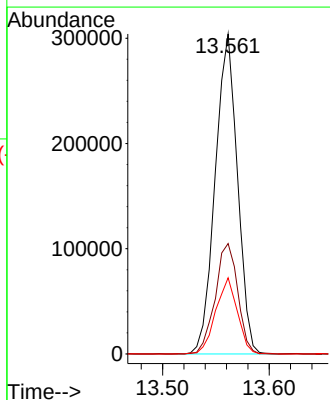
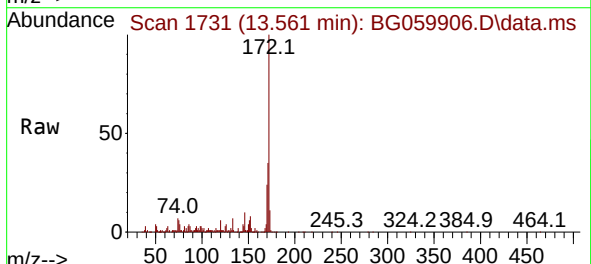
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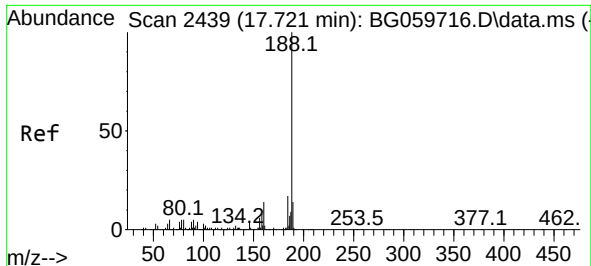
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#45
2-Fluorobiphenyl
Concen: 72.598 ng
RT: 13.561 min Scan# 1731
Delta R.T. -0.002 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

Tgt Ion:172 Resp: 439947
Ion Ratio Lower Upper
172 100
171 34.5 27.7 41.5
170 23.8 18.4 27.6





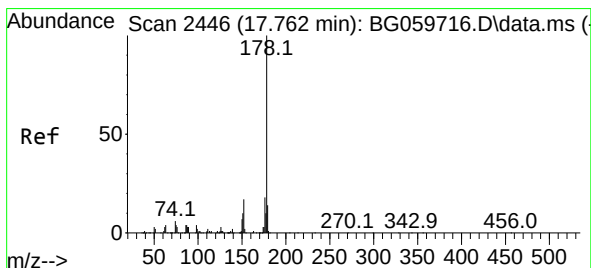
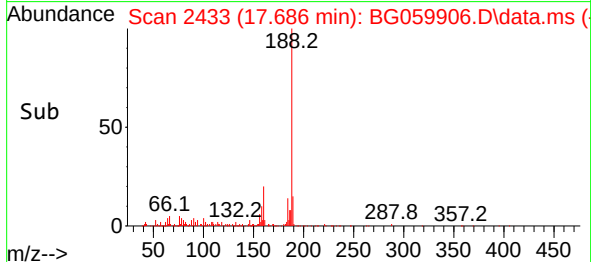
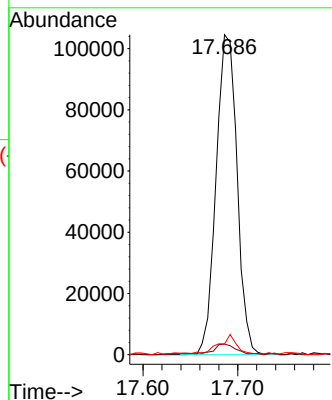
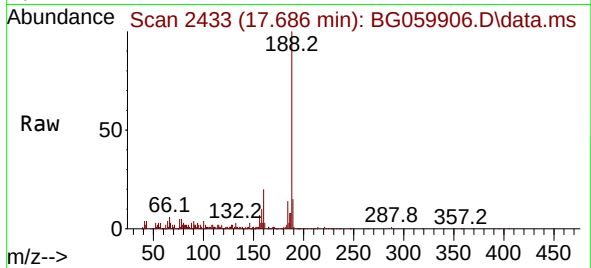
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.686 min Scan# 2439
Delta R.T. -0.008 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

Instrument :
BNA_G
ClientSampleId :
JC-03-111523A

Tgt Ion:188 Resp: 161038
Ion Ratio Lower Upper
188 100
94 3.3 3.0 4.4
80 3.4 4.2 6.4

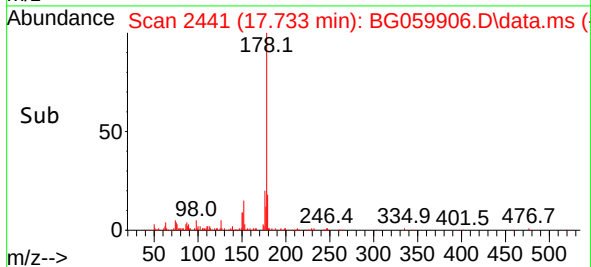
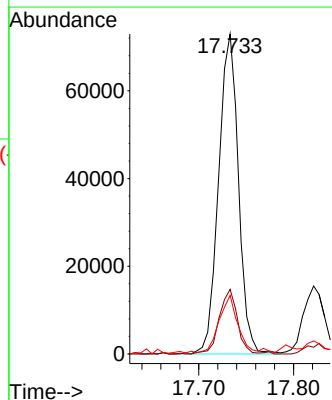
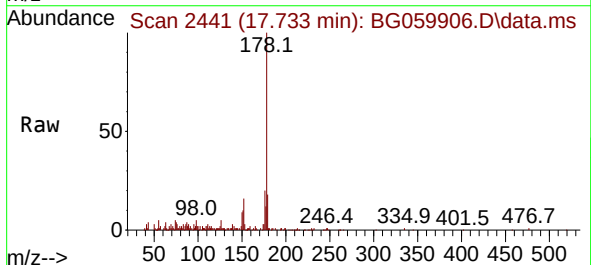
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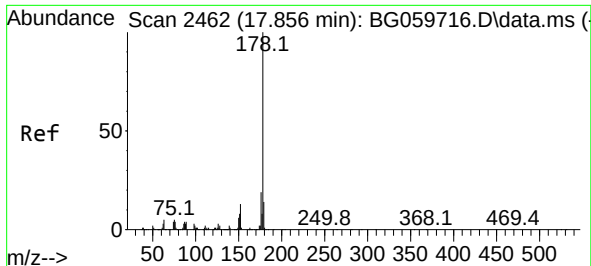
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#71
Phenanthrene
Concen: 12.990 ng
RT: 17.733 min Scan# 2441
Delta R.T. -0.002 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

Tgt Ion:178 Resp: 106357
Ion Ratio Lower Upper
178 100
176 20.2 14.5 21.7
179 18.3 11.2 16.8





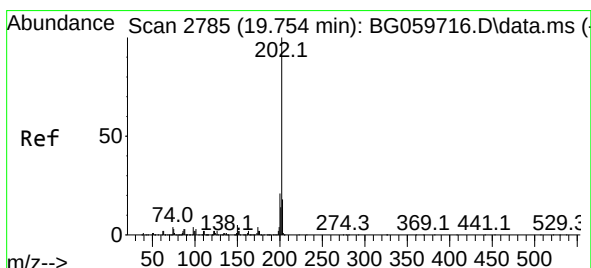
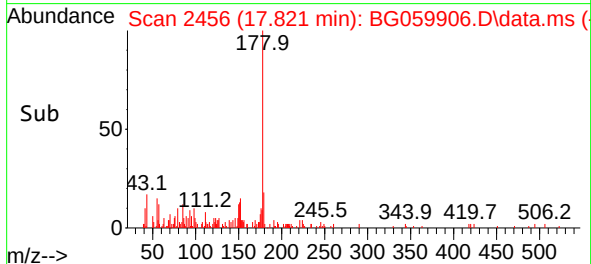
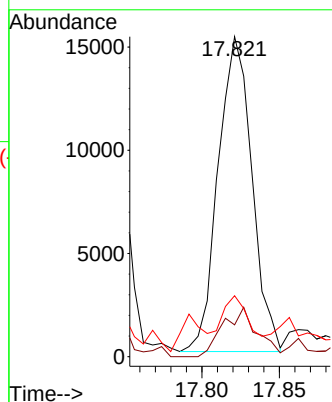
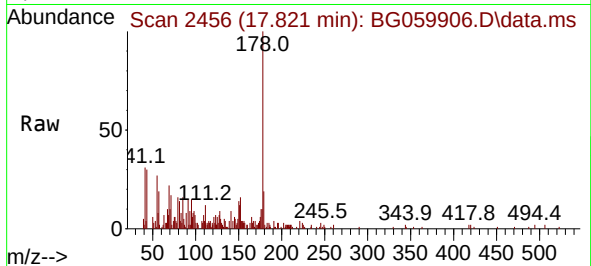
#72
 Anthracene
 Concen: 2.717 ng
 RT: 17.821 min Scan# 2462
 Delta R.T. -0.008 min
 Lab File: BG059906.D
 Acq: 27 Nov 2023 18:31

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-111523A

Tgt Ion:178 Resp: 2311
 Ion Ratio Lower Upper
 178 100
 176 9.9 15.0 22.4
 179 19.0 11.5 17.3

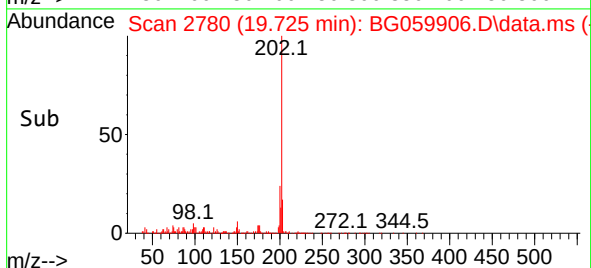
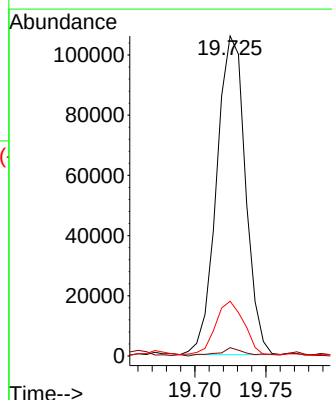
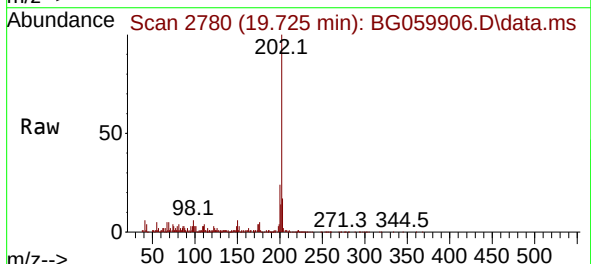
Manual Integrations
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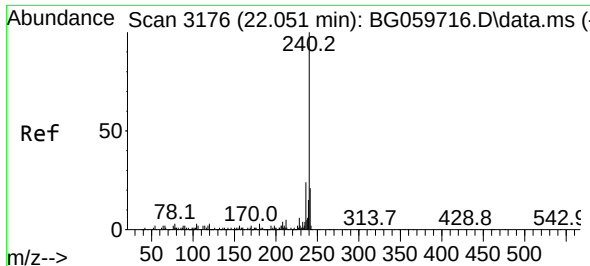
Reviewed By :Yogesh Patel 11/28/2023
 Supervised By :mohammad ahmed 11/28/2023



#75
 Fluoranthene
 Concen: 15.187 ng
 RT: 19.725 min Scan# 2780
 Delta R.T. -0.002 min
 Lab File: BG059906.D
 Acq: 27 Nov 2023 18:31

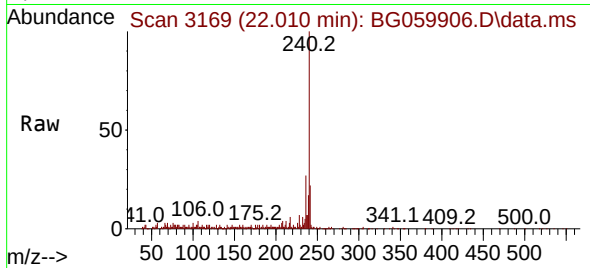
Tgt Ion:202 Resp: 149113
 Ion Ratio Lower Upper
 202 100
 101 2.6 0.0 22.7
 203 17.1 0.0 38.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.010 min Scan# 3176
Delta R.T. -0.008 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

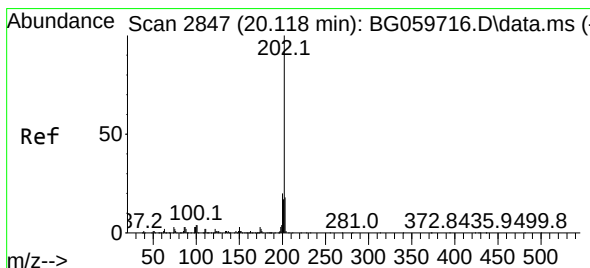
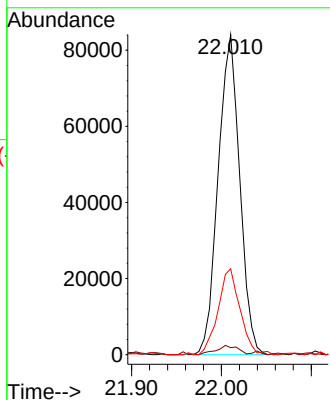
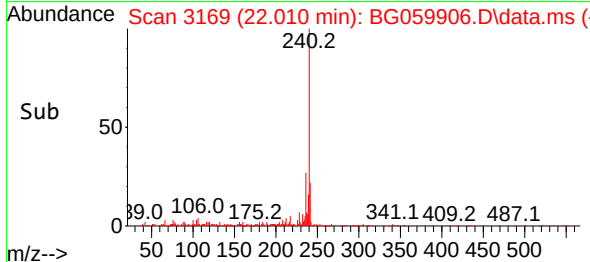
Instrument :
BNA_G
ClientSampleId :
JC-03-111523A



Tgt Ion:240 Resp: 140318
Ion Ratio Lower Upper
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236 26.8 19.4 29.2

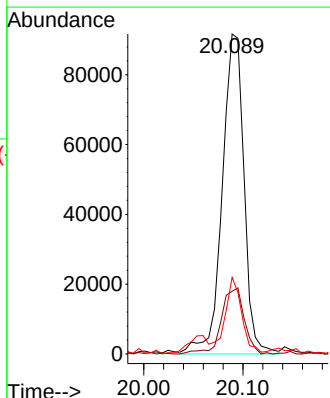
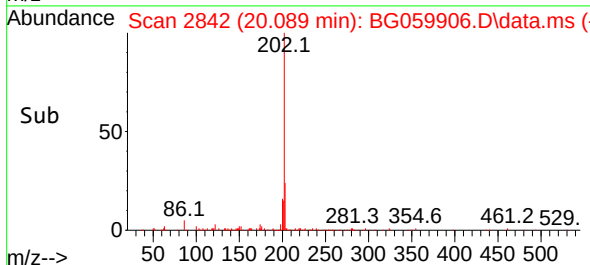
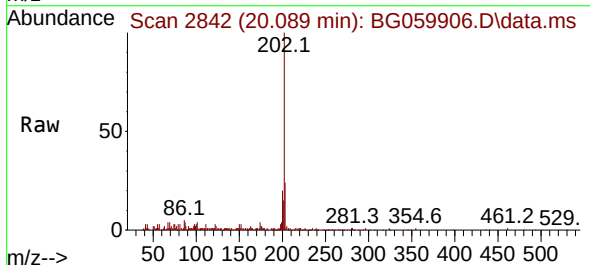
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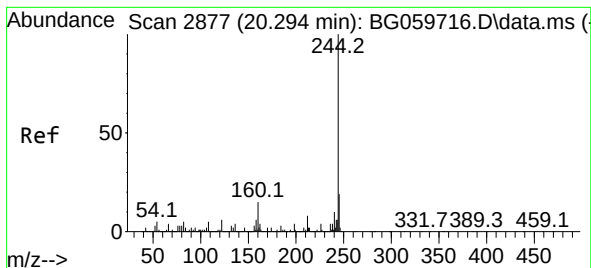
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#78
Pyrene
Concen: 14.663 ng m
RT: 20.089 min Scan# 2842
Delta R.T. -0.008 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

Tgt Ion:202 Resp: 139988
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.4
203 23.9 14.0 21.0#





#79

Terphenyl-d14

Concen: 69.129 ng

RT: 20.265 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG059906.D

Acq: 27 Nov 2023 18:31

Instrument :

BNA_G

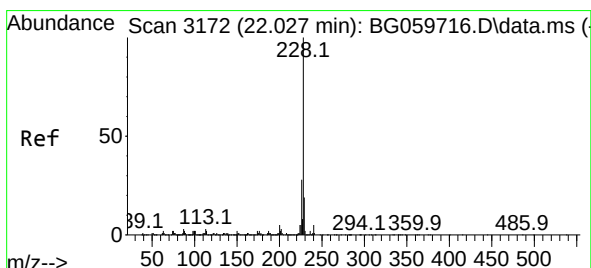
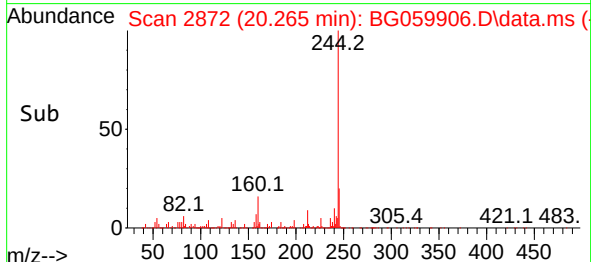
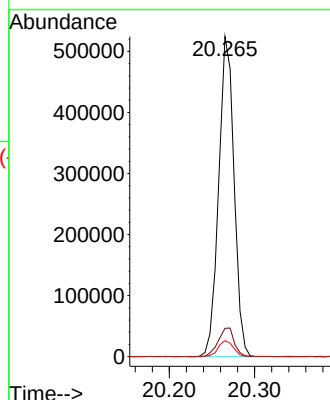
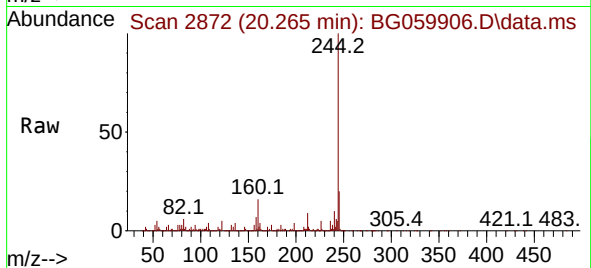
ClientSampleId :

JC-03-111523A

Tgt Ion:244 Resp: 657078
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.6 10.0
 122 5.0 4.4 6.6

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



#81

Benzo(a)anthracene

Concen: 7.332 ng

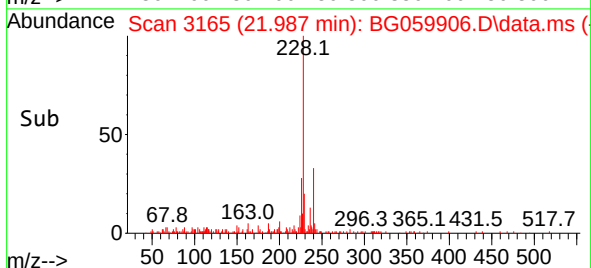
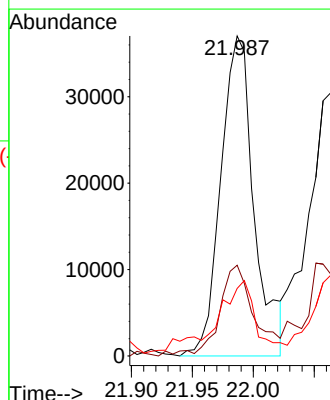
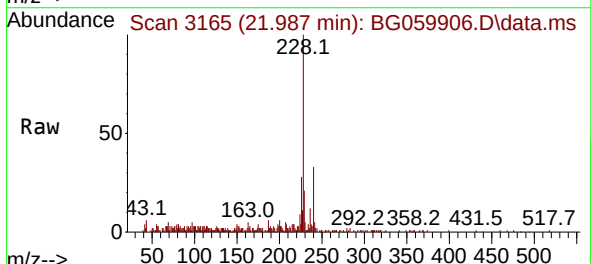
RT: 21.987 min Scan# 3165

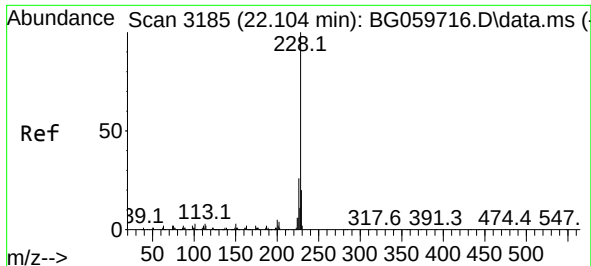
Delta R.T. -0.008 min

Lab File: BG059906.D

Acq: 27 Nov 2023 18:31

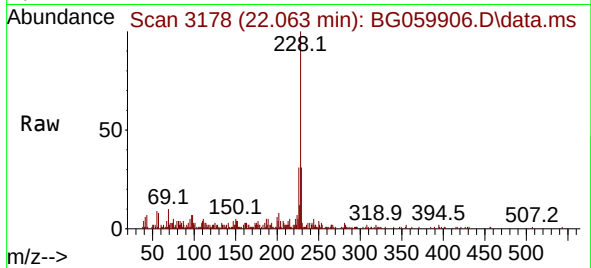
Tgt Ion:228 Resp: 70394
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.1 33.1
 229 21.1 14.9 22.3





#83
Chrysene
Concen: 6.487 ng m
RT: 22.063 min Scan# 3185
Delta R.T. -0.002 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

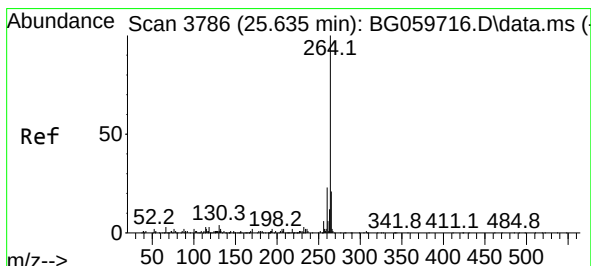
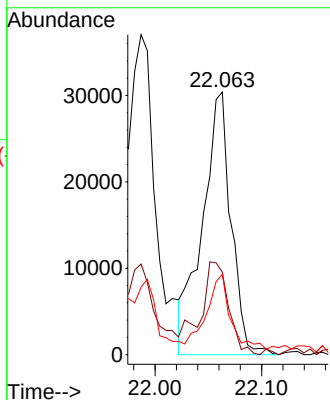
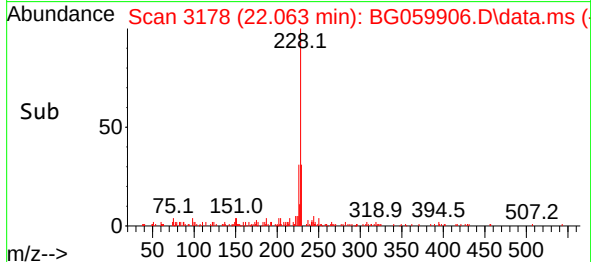
Instrument :
BNA_G
ClientSampleId :
JC-03-111523A



Tgt Ion:228 Resp: 57097
Ion Ratio Lower Upper
228 100
226 31.4 21.1 31.7
229 30.6 16.2 24.4

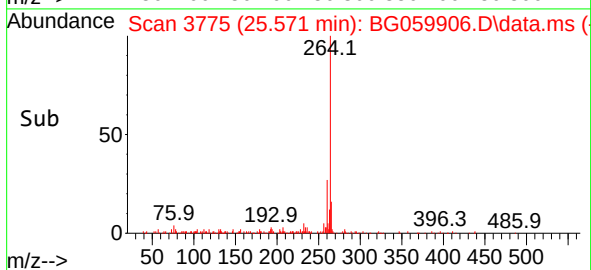
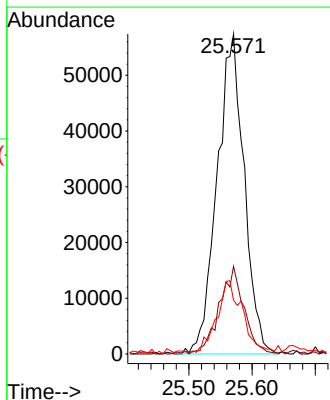
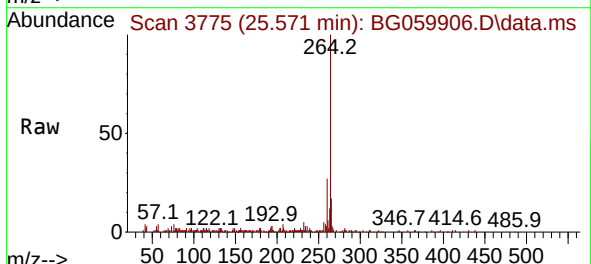
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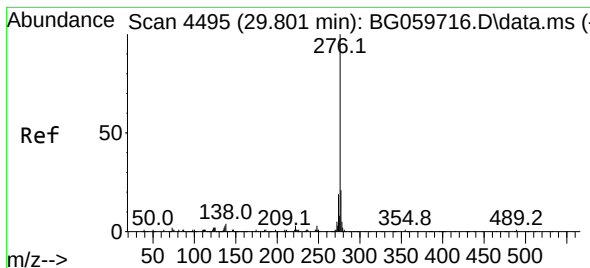
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.571 min Scan# 3775
Delta R.T. -0.008 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

Tgt Ion:264 Resp: 170245
Ion Ratio Lower Upper
264 100
260 27.4 18.5 27.7
265 16.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.532 ng m

RT: 29.690 min Scan# 4495

Delta R.T. -0.026 min

Lab File: BG059906.D

Acq: 27 Nov 2023 18:31

Instrument :

BNA_G

ClientSampleId :

JC-03-111523A

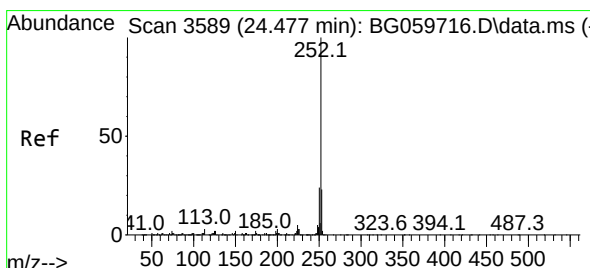
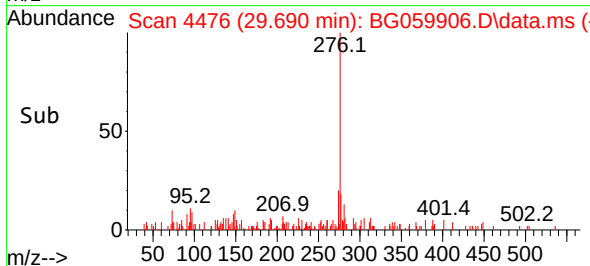
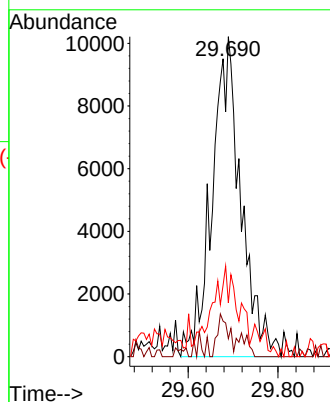
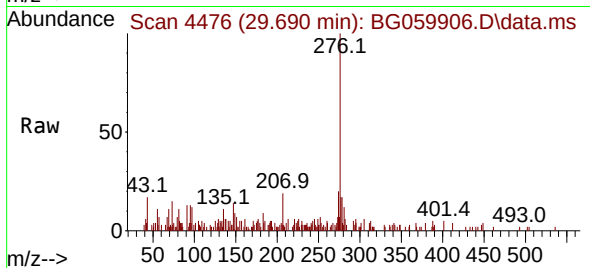
Tgt Ion:	276	Resp:	45494
Ion Ratio	Lower	Upper	
276	100		
138	5.0	1.8	2.6
277	16.1	9.8	14.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023



#88

Benzo(b)fluoranthene

Concen: 8.854 ng

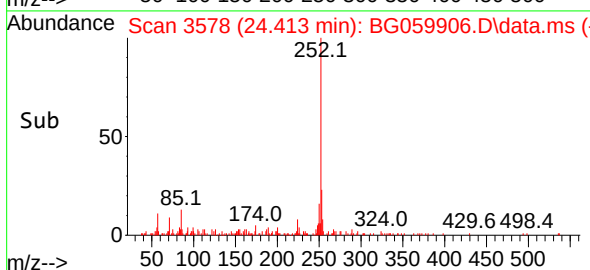
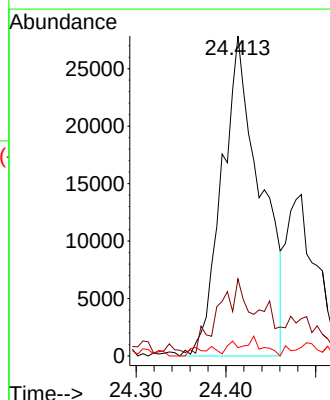
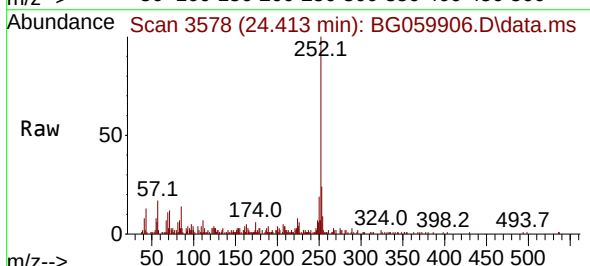
RT: 24.413 min Scan# 3578

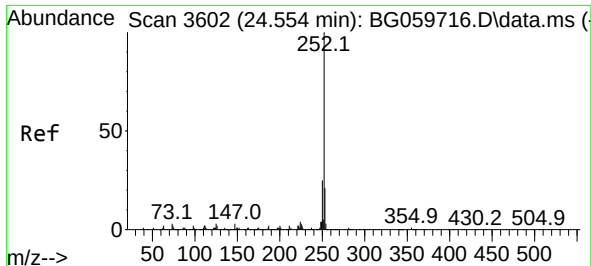
Delta R.T. -0.008 min

Lab File: BG059906.D

Acq: 27 Nov 2023 18:31

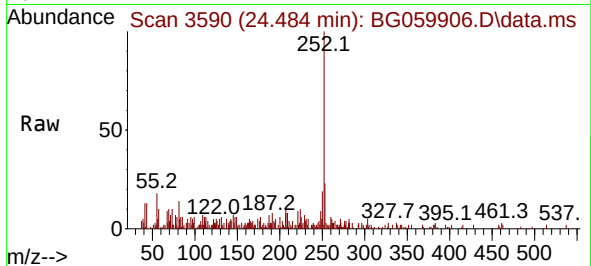
Tgt Ion:	252	Resp:	82613
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.3	27.5
125	2.6	1.4	2.0





#89
Benzo(k)fluoranthene
Concen: 3.550 ng m
RT: 24.484 min Scan# 31
Delta R.T. -0.020 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31

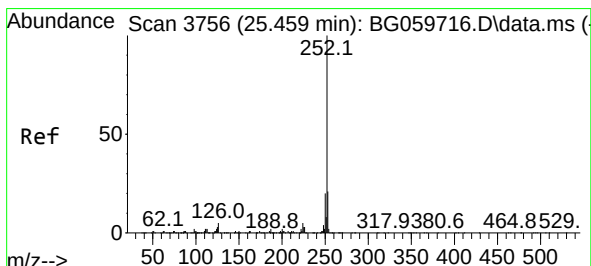
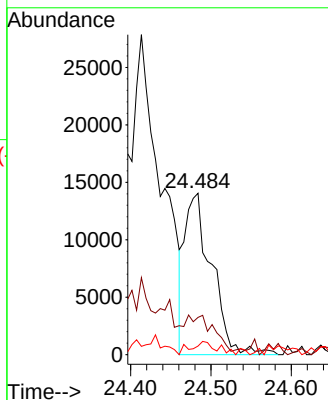
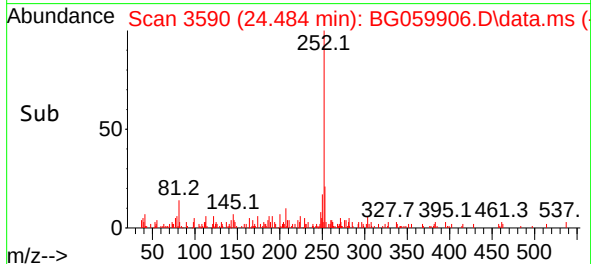
Instrument :
BNA_G
ClientSampleId :
JC-03-111523A



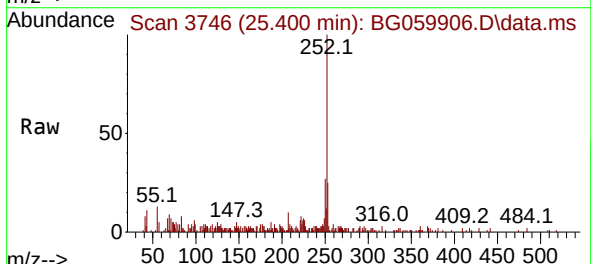
Tgt Ion:252 Resp: 32749
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 5.4 2.2 3.2

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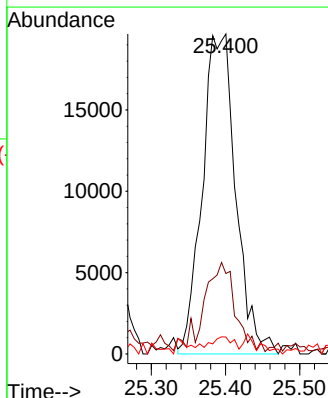
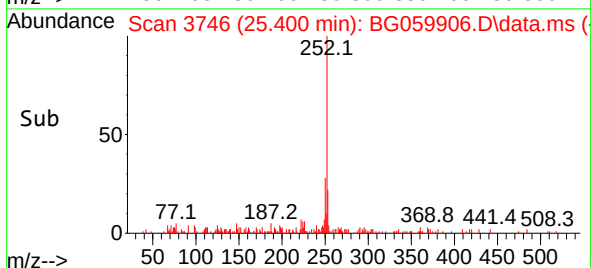
Reviewed By :Yogesh Patel 11/28/2023
Supervised By :mohammad ahmed 11/28/2023

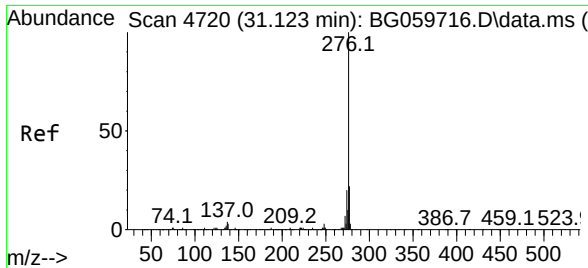


#90
Benzo(a)pyrene
Concen: 6.181 ng
RT: 25.400 min Scan# 3746
Delta R.T. -0.014 min
Lab File: BG059906.D
Acq: 27 Nov 2023 18:31



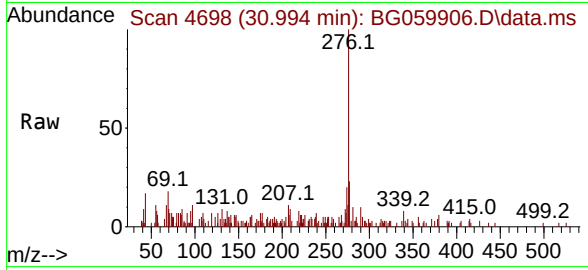
Tgt Ion:252 Resp: 61557
Ion Ratio Lower Upper
252 100
253 25.2 16.8 25.2
125 5.3 2.0 3.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.847 ng
 RT: 30.994 min Scan# 4698
 Delta R.T. -0.043 min
 Lab File: BG059906.D
 Acq: 27 Nov 2023 18:31

Instrument :
 BNA_G
 ClientSampleId :
 JC-03-111523A



Tgt Ion:	276	Resp:	39784
Ion Ratio	Lower	Upper	
276	100		
277	23.3	17.3	25.9
138	4.5	2.6	4.0

Manual Integrations
 APPROVED

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

