

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031924\
 Data File : BG060684.D
 Acq On : 19 Mar 2024 16:51
 Operator : MA/JU
 Sample : P1792-01DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11977DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024
 Supervised By :mohammad ahmed 03/21/2024

Quant Time: Mar 19 17:23:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 18 14:26:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.294	152	80464	20.000	ng	0.00
21) Naphthalene-d8	11.138	136	377756	20.000	ng	0.00
39) Acenaphthene-d10	14.927	164	252647	20.000	ng	0.00
64) Phenanthrene-d10	17.677	188	527284	20.000	ng	0.00
76) Chrysene-d12	21.995	240	481579	20.000	ng	0.00
86) Perylene-d12	25.544	264	547838	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	263507	51.480	ng	0.00
7) Phenol-d6	7.407	99	341390	45.978	ng	0.00
23) Nitrobenzene-d5	9.487	82	214898	29.607	ng	0.00
42) 2,4,6-Tribromophenol	16.408	330	148496	50.722	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	518223	27.733	ng	0.00
79) Terphenyl-d14	20.256	244	780322	29.288	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.657	152	61962	2.624	ng	97
71) Phenanthrene	17.718	178	801652	28.224	ng	98
72) Anthracene	17.812	178	119675	4.167	ng	97
73) Carbazole	18.082	167	64422	2.580	ng	97
75) Fluoranthene	19.716	202	1835586	58.424	ng	100
78) Pyrene	20.080	202	1665897	49.569	ng	99
81) Benzo(a)anthracene	21.972	228	925496	27.911	ng	97
83) Chrysene	22.048	228	1004871	31.211	ng	97
87) Indeno(1,2,3-cd)pyrene	29.639	276	447959	11.988	ng	# 86
88) Benzo(b)fluoranthene	24.398	252	1307343	43.378	ng	96
89) Benzo(k)fluoranthene	24.469	252	598691m	18.908	ng	
90) Benzo(a)pyrene	25.374	252	847019	28.666	ng	96
91) Dibenzo(a,h)anthracene	29.722	278	114921m	3.623	ng	
92) Benzo(g,h,i)perylene	30.944	276	350154	11.400	ng	99

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

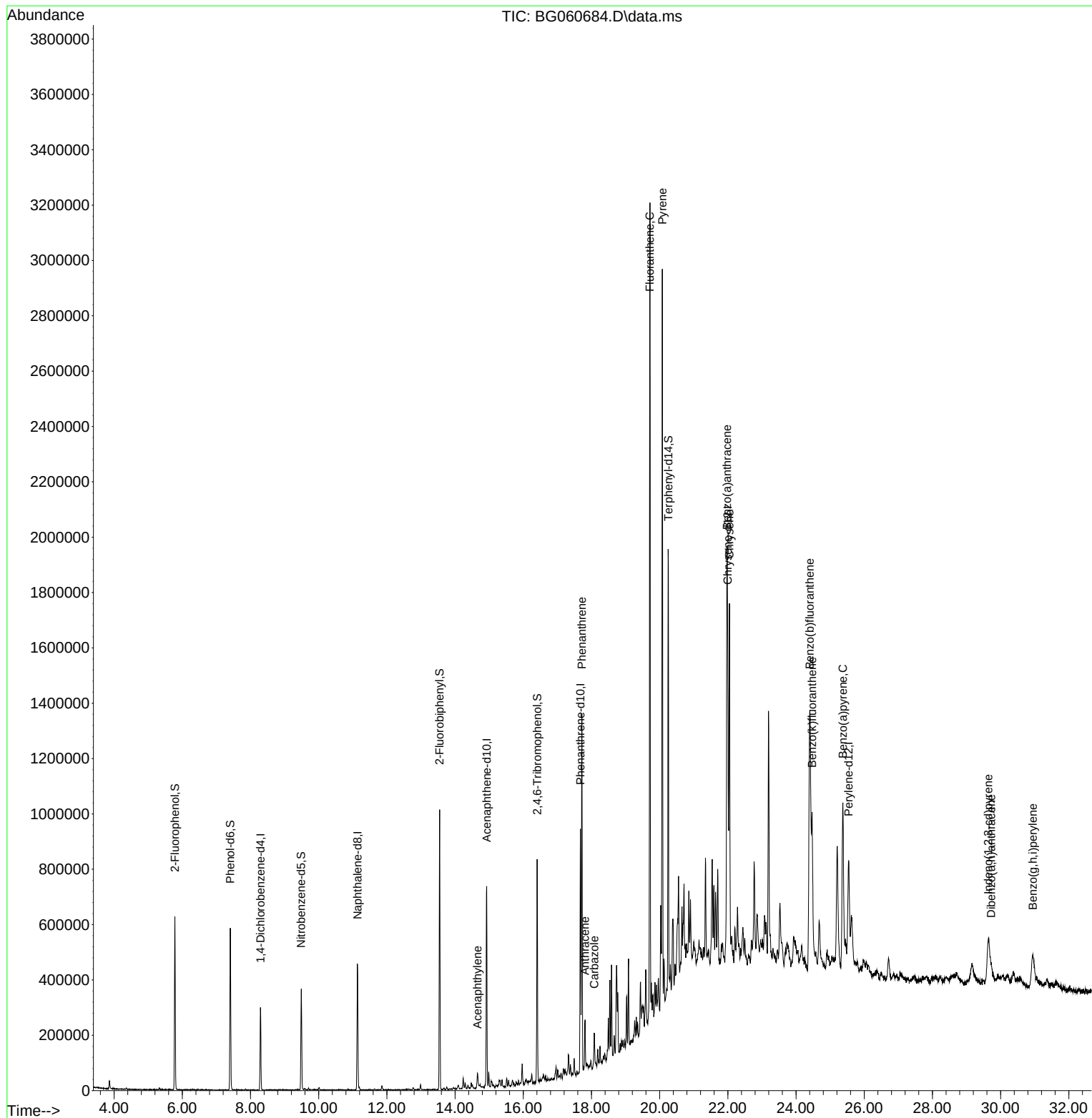
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031924\
Data File : BG060684.D
Acq On : 19 Mar 2024 16:51
Operator : MA/JU
Sample : P1792-01DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

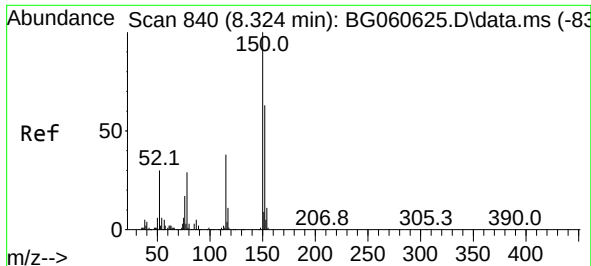
Instrument :
BNA_G
ClientSampleId :
72-11977DL

Quant Time: Mar 19 17:23:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 18 14:26:31 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

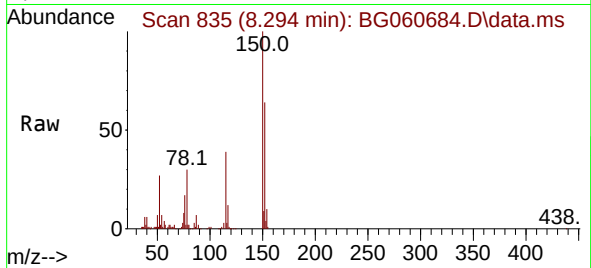
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.294 min Scan# 81
Delta R.T. 0.006 min
Lab File: BG060684.D
Acq: 19 Mar 2024 16:51

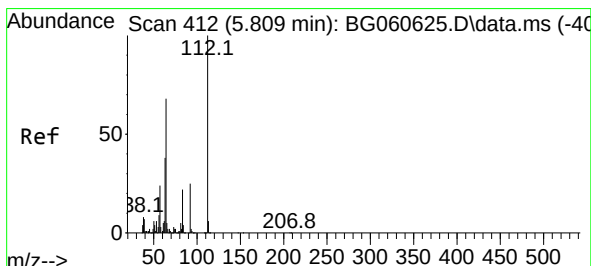
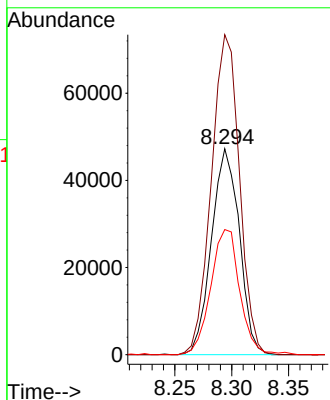
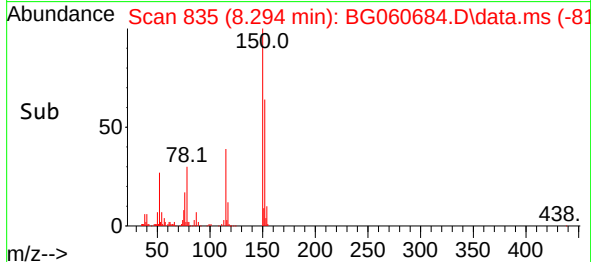
Instrument :
BNA_G
ClientSampleId :
72-11977DL



Tgt Ion:152 Resp: 80464
Ion Ratio Lower Upper
152 100
150 155.4 126.6 190.0
115 60.7 47.8 71.8

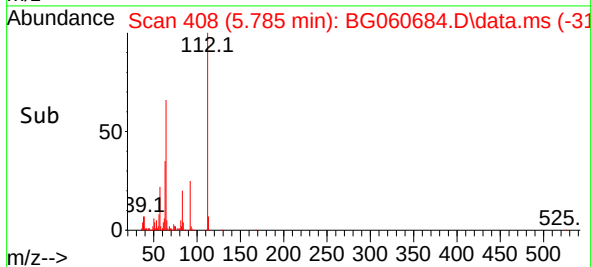
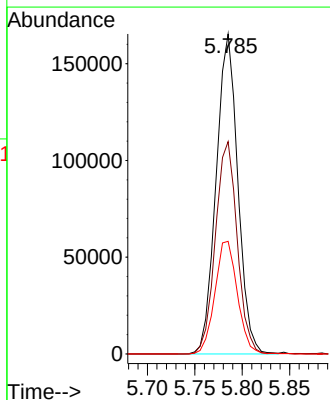
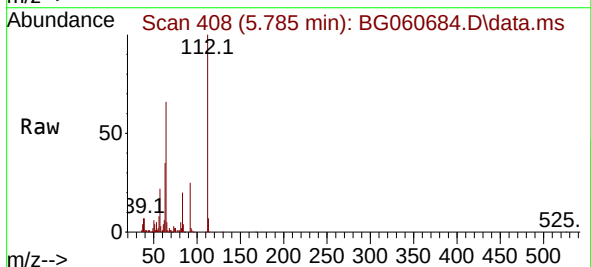
Manual Integrations
APPROVED

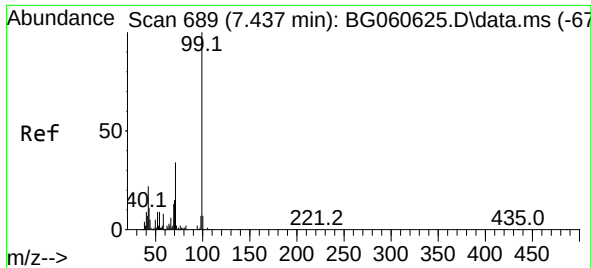
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#5
2-Fluorophenol
Concen: 51.480 ng
RT: 5.785 min Scan# 408
Delta R.T. 0.006 min
Lab File: BG060684.D
Acq: 19 Mar 2024 16:51

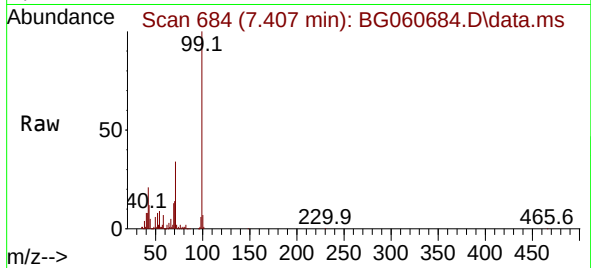
Tgt Ion:112 Resp: 263507
Ion Ratio Lower Upper
112 100
64 66.4 54.1 81.1
63 35.2 30.3 45.5





#7
Phenol-d6
Concen: 45.978 ng
RT: 7.407 min Scan# 684
Delta R.T. -0.000 min
Lab File: BG060684.D
Acq: 19 Mar 2024 16:51

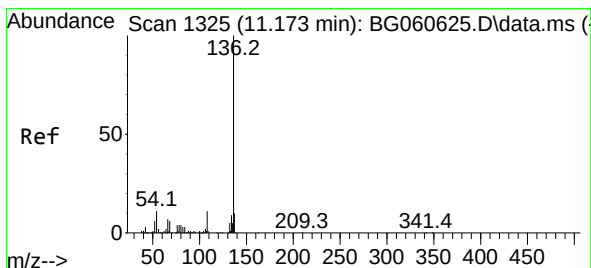
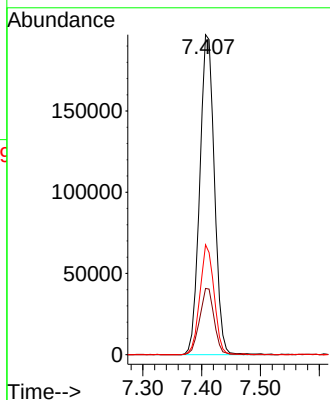
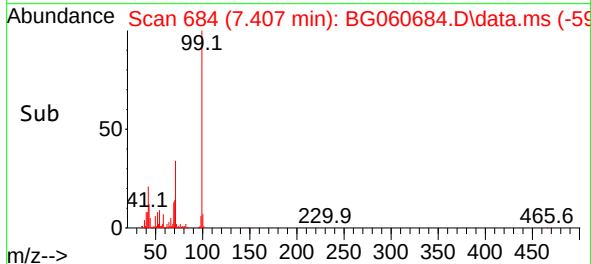
Instrument :
BNA_G
ClientSampleId :
72-11977DL



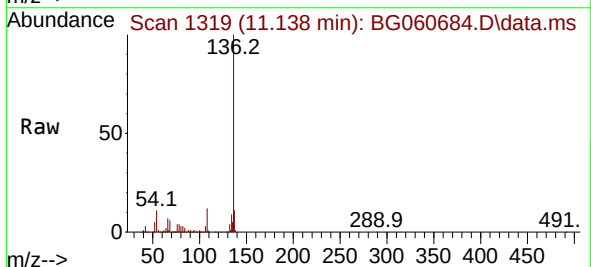
Tgt Ion: 99 Resp: 341390
Ion Ratio Lower Upper
99 100
42 20.7 17.5 26.3
71 34.3 27.4 41.0

Manual Integrations
APPROVED

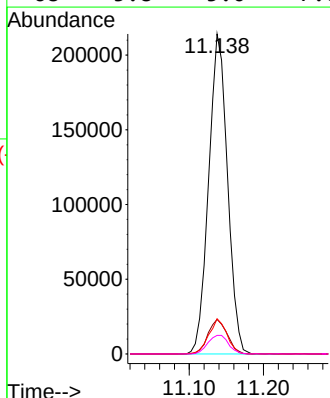
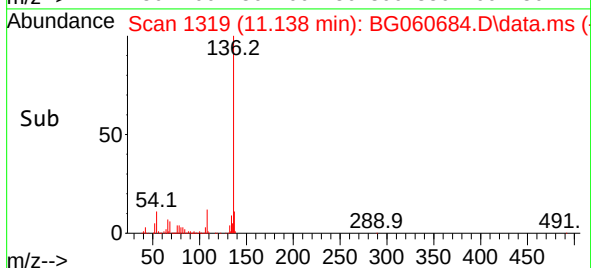
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024

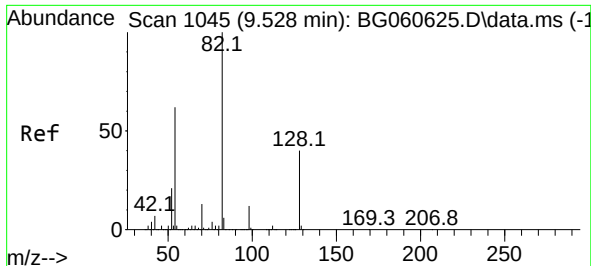


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.138 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BG060684.D
Acq: 19 Mar 2024 16:51



Tgt Ion:136 Resp: 377756
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 11.0 8.5 12.7
68 5.8 5.0 7.6





#23

Nitrobenzene-d5

Concen: 29.607 ng

RT: 9.487 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Instrument :

BNA_G

ClientSampleId :

72-11977DL

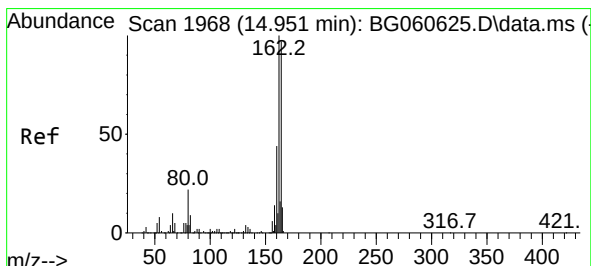
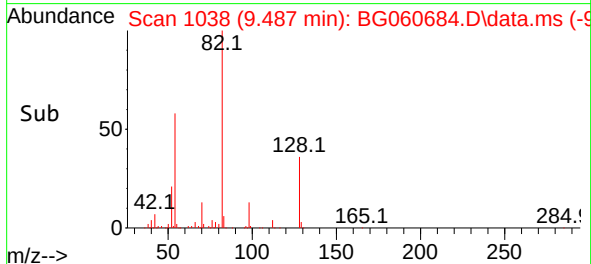
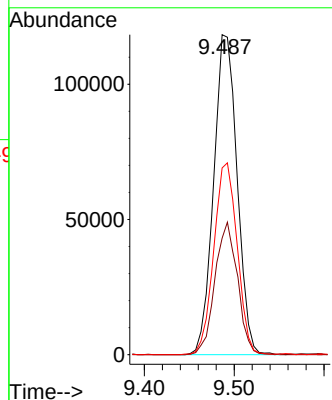
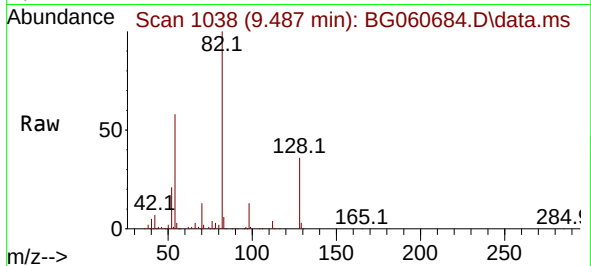
Tgt Ion: 82 Resp: 214898

Ion	Ratio	Lower	Upper
82	100		
128	36.4	31.6	47.4
54	58.3	49.3	73.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.927 min Scan# 1964

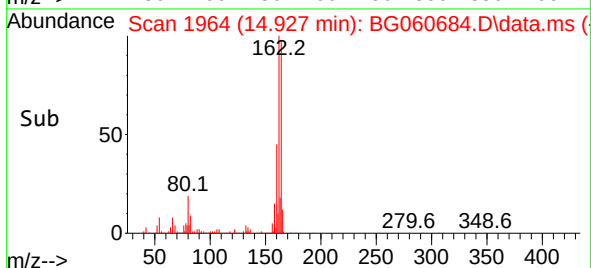
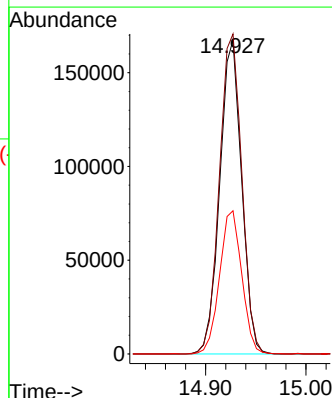
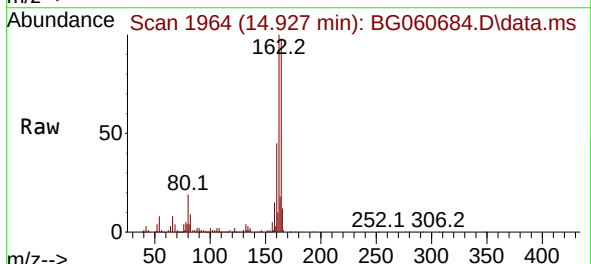
Delta R.T. -0.000 min

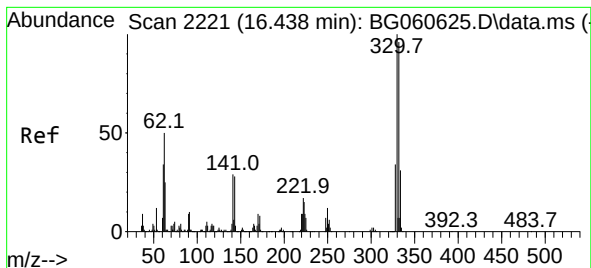
Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Tgt Ion:164 Resp: 252647

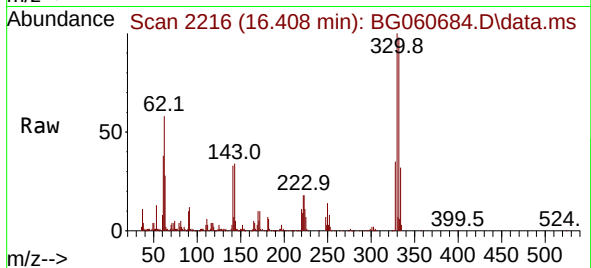
Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.5	123.7
160	45.6	36.4	54.6





#42
2,4,6-Tribromophenol
Concen: 50.722 ng
RT: 16.408 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG060684.D
Acq: 19 Mar 2024 16:51

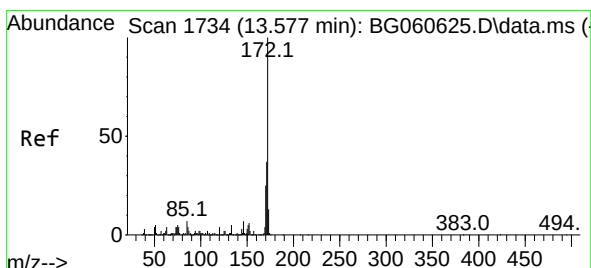
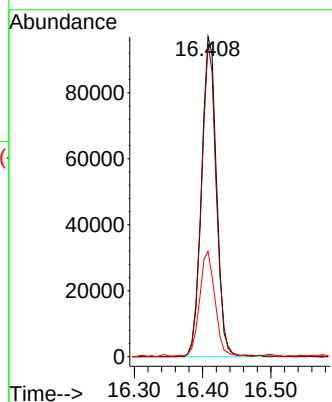
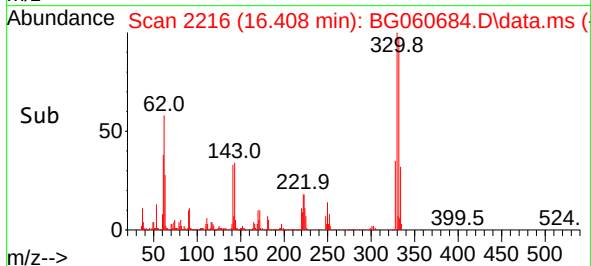
Instrument :
BNA_G
ClientSampleId :
72-11977DL



Tgt Ion:330 Resp: 148490
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 34.2 25.4 38.2

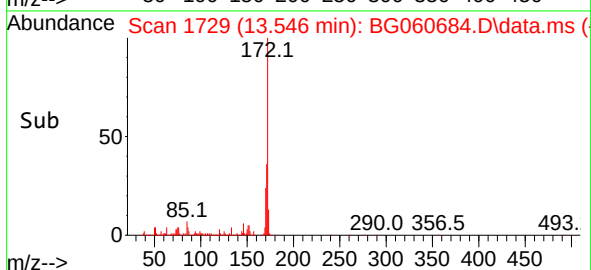
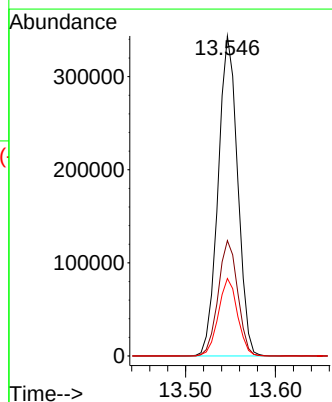
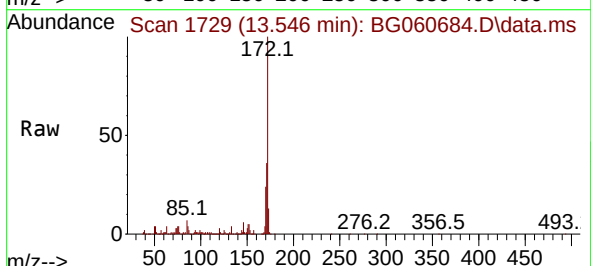
Manual Integrations
APPROVED

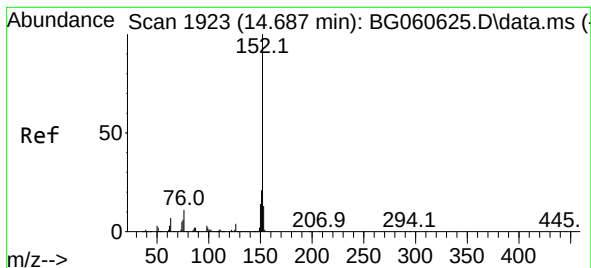
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#45
2-Fluorobiphenyl
Concen: 27.733 ng
RT: 13.546 min Scan# 1729
Delta R.T. -0.000 min
Lab File: BG060684.D
Acq: 19 Mar 2024 16:51

Tgt Ion:172 Resp: 518223
Ion Ratio Lower Upper
172 100
171 36.1 29.9 44.9
170 24.2 19.8 29.6





#49

Acenaphthylene

Concen: 2.624 ng

RT: 14.657 min Scan# 1918

Delta R.T. -0.000 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Instrument :

BNA_G

ClientSampleId :

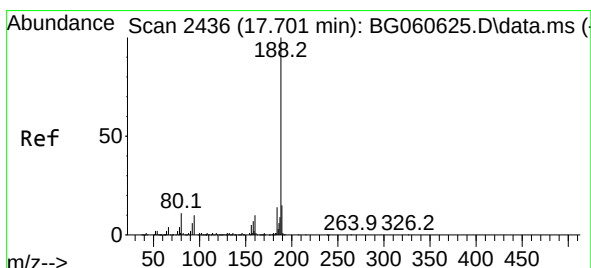
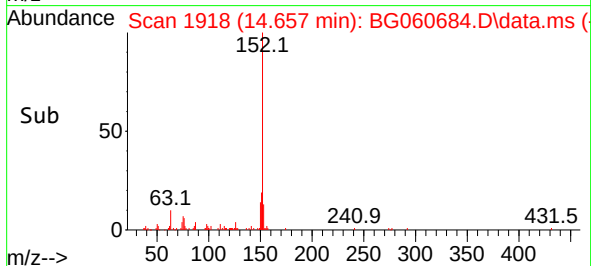
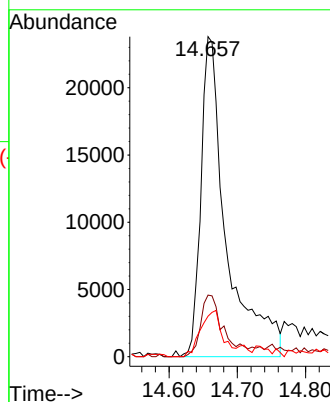
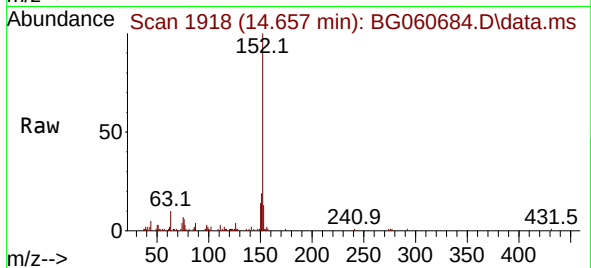
72-11977DL

Tgt Ion:	152	Resp:	6196
Ion Ratio	Lower	Upper	
152	100		
151	19.2	17.1	25.7
153	12.6	10.3	15.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

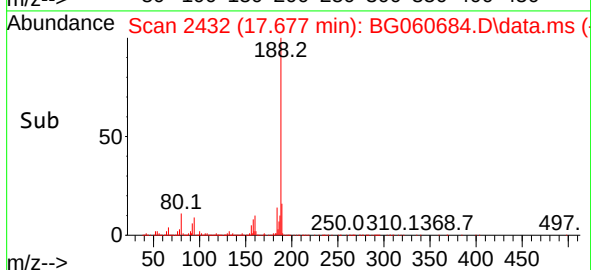
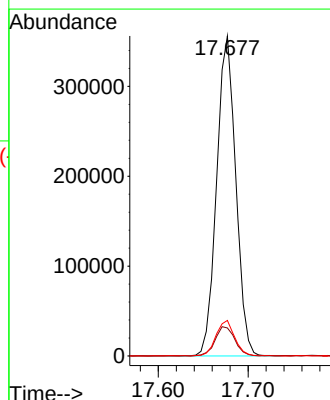
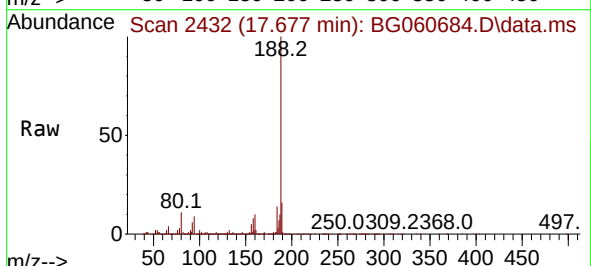
RT: 17.677 min Scan# 2432

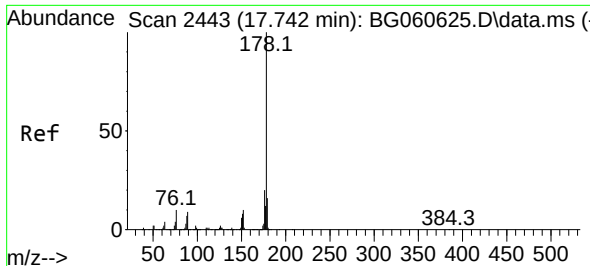
Delta R.T. 0.006 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Tgt Ion:	188	Resp:	527284
Ion Ratio	Lower	Upper	
188	100		
94	8.8	7.9	11.9
80	11.1	8.6	13.0





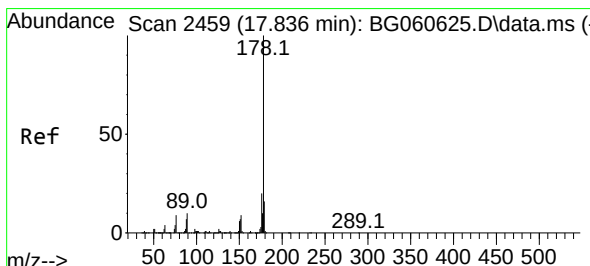
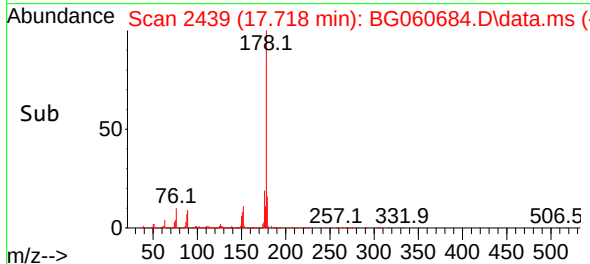
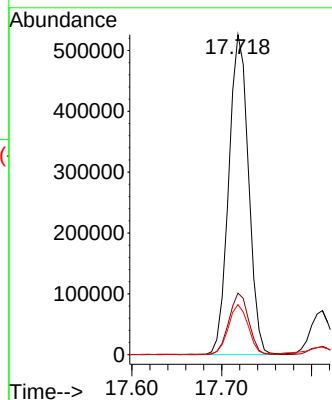
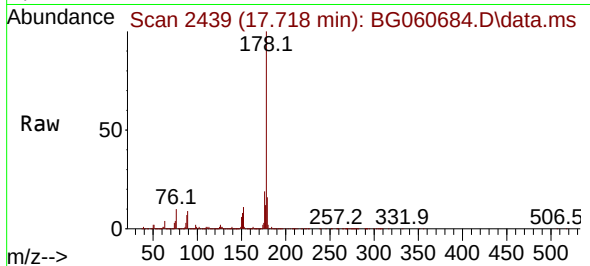
#71
Phenanthrene
Concen: 28.224 ng
RT: 17.718 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BG060684.D
Acq: 19 Mar 2024 16:51

Instrument :
BNA_G
ClientSampleId :
72-11977DL

Tgt Ion:178 Resp: 801652
Ion Ratio Lower Upper
178 100
176 19.2 16.1 24.1
179 15.6 12.9 19.3

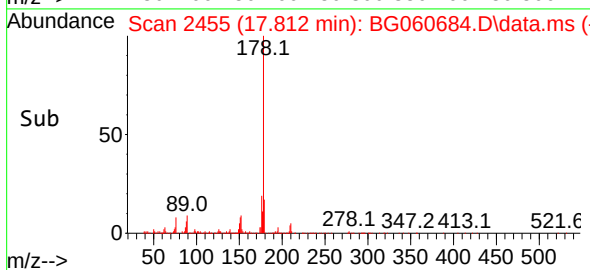
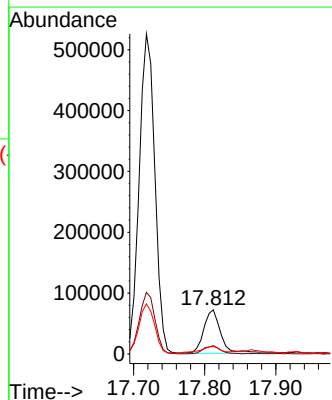
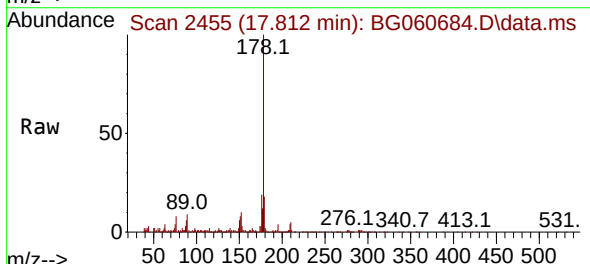
Manual Integrations
APPROVED

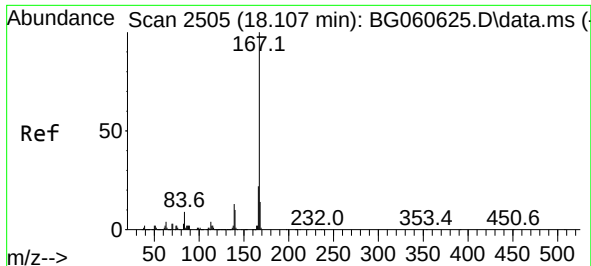
Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#72
Anthracene
Concen: 4.167 ng
RT: 17.812 min Scan# 2455
Delta R.T. -0.000 min
Lab File: BG060684.D
Acq: 19 Mar 2024 16:51

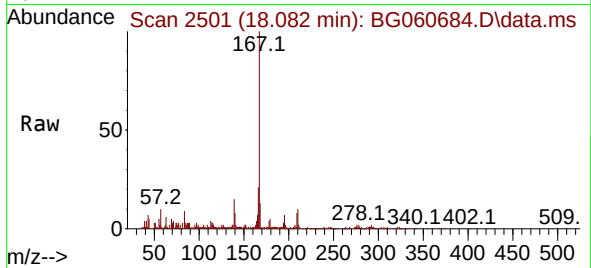
Tgt Ion:178 Resp: 119675
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 17.5 12.6 19.0





#73
 Carbazole
 Concen: 2.580 ng
 RT: 18.082 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG060684.D
 Acq: 19 Mar 2024 16:51

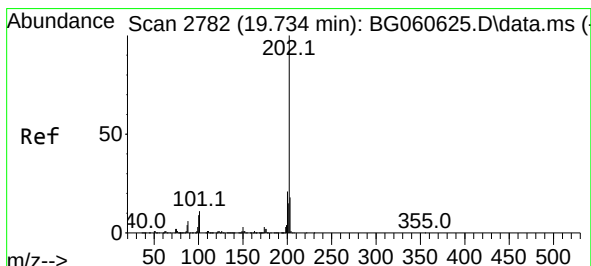
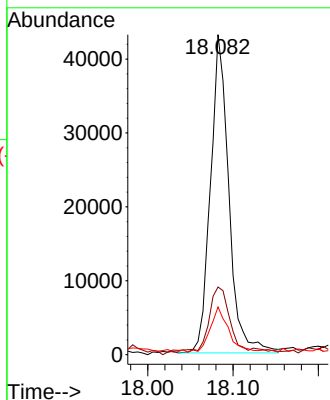
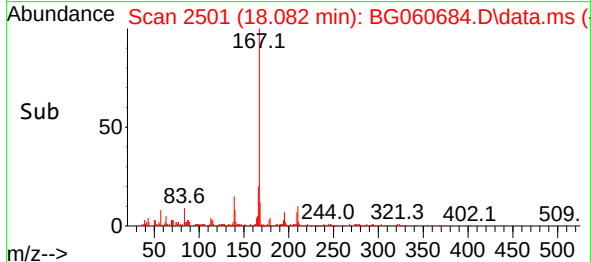
Instrument :
 BNA_G
 ClientSampleId :
 72-11977DL



Tgt Ion:167 Resp: 6442
 Ion Ratio Lower Upper
 167 100
 166 21.1 18.0 27.0
 139 14.9 10.7 16.1

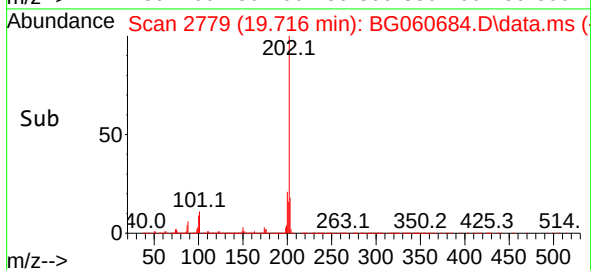
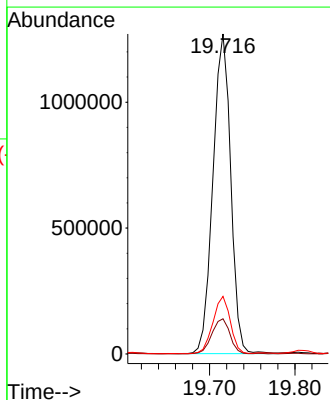
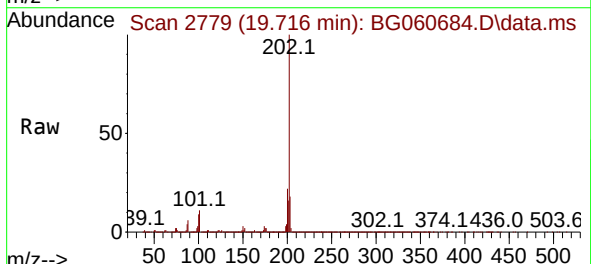
Manual Integrations
 APPROVED

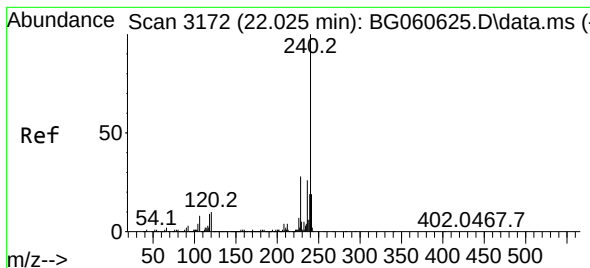
Reviewed By :Jagrut Upadhyay 03/20/2024
 Supervised By :mohammad ahmed 03/21/2024



#75
 Fluoranthene
 Concen: 58.424 ng
 RT: 19.716 min Scan# 2779
 Delta R.T. 0.006 min
 Lab File: BG060684.D
 Acq: 19 Mar 2024 16:51

Tgt Ion:202 Resp: 1835586
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 31.2
 203 18.0 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.995 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Instrument :

BNA_G

ClientSampleId :

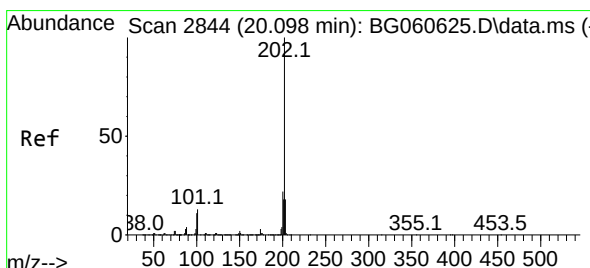
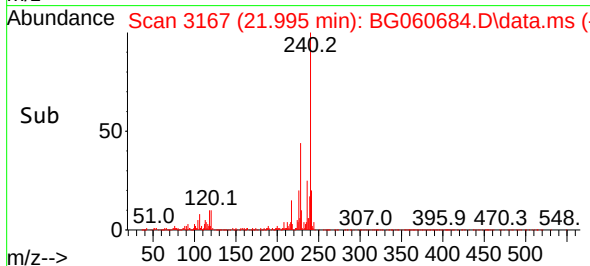
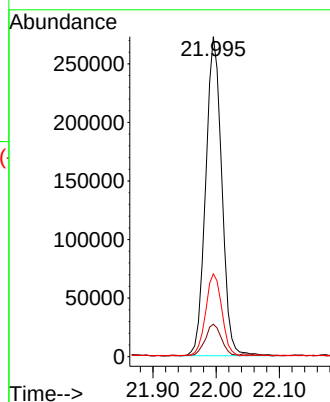
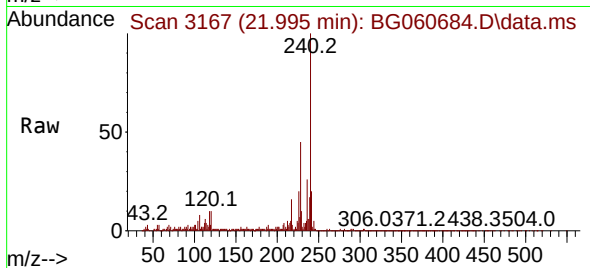
72-11977DL

Tgt Ion:	240	Resp:	481579
Ion Ratio	Lower	Upper	
240	100		
120	10.2	7.8	11.8
236	25.9	20.6	31.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#78

Pyrene

Concen: 49.569 ng

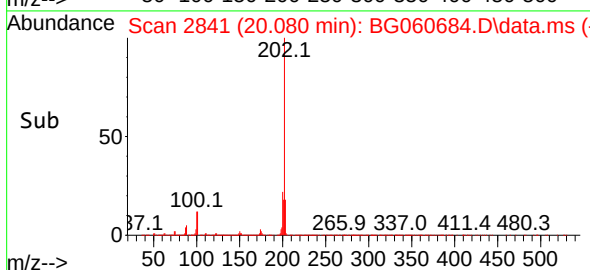
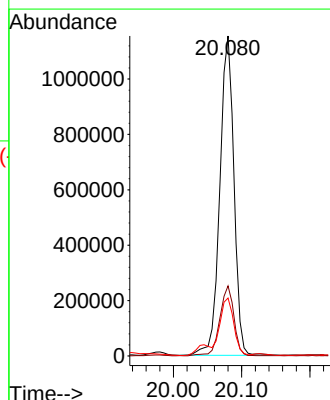
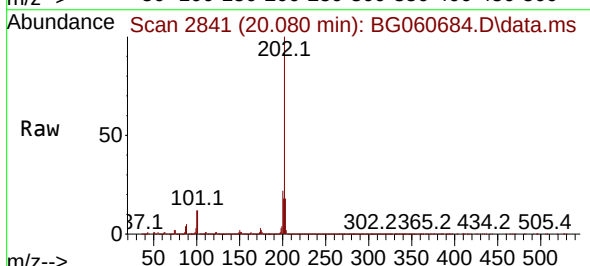
RT: 20.080 min Scan# 2841

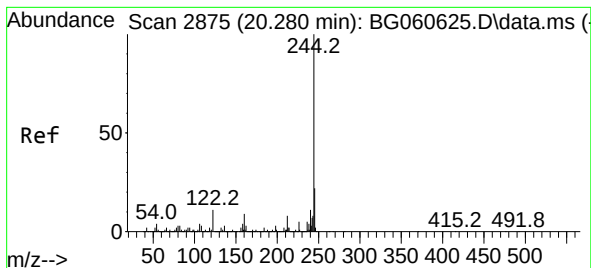
Delta R.T. 0.006 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Tgt Ion:	202	Resp:	1665897
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.9	26.9
203	18.1	14.3	21.5





#79

Terphenyl-d14

Concen: 29.288 ng

RT: 20.256 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Instrument :

BNA_G

ClientSampleId :

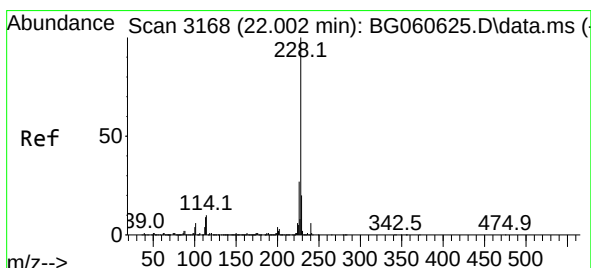
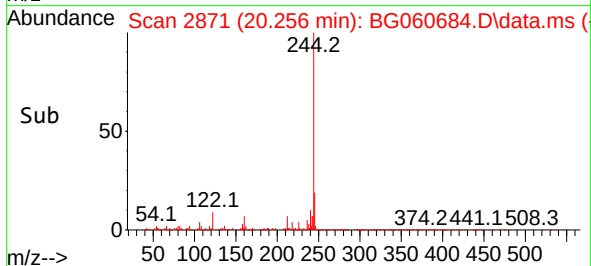
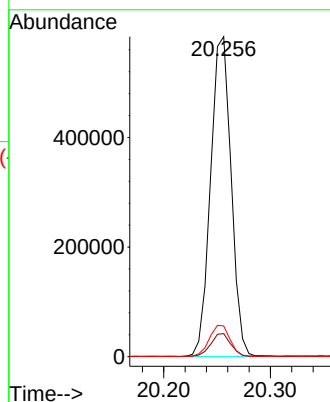
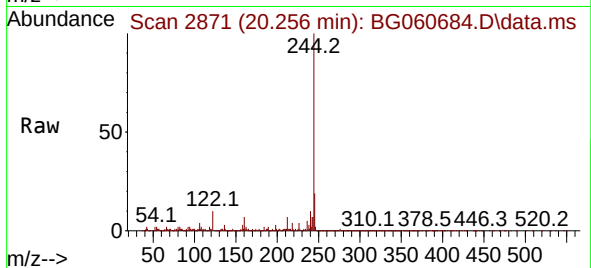
72-11977DL

Tgt Ion:244	Resp: 78032		
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.6	9.8
122	9.6	8.5	12.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#81

Benzo(a)anthracene

Concen: 27.911 ng

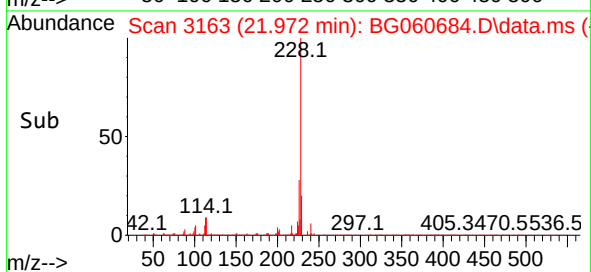
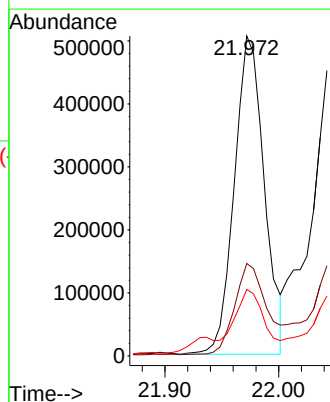
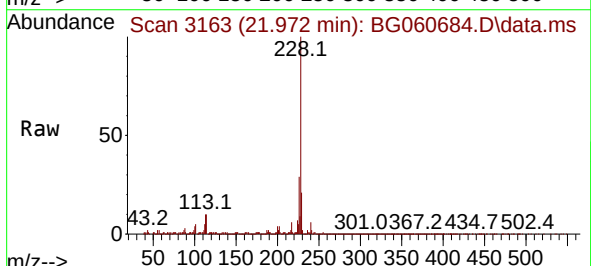
RT: 21.972 min Scan# 3163

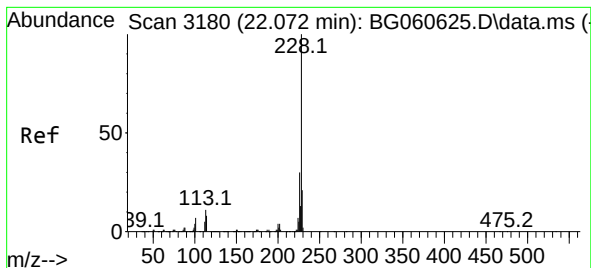
Delta R.T. -0.000 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Tgt Ion:228	Resp: 925496
Ion Ratio	Lower Upper
228 100	
226 28.9	21.8 32.8
229 20.8	15.8 23.6





#83

Chrysene

Concen: 31.211 ng

RT: 22.048 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Instrument :

BNA_G

ClientSampleId :

72-11977DL

Tgt Ion:228 Resp: 100487

Ion Ratio Lower Upper

228 100

226 32.6 24.2 36.2

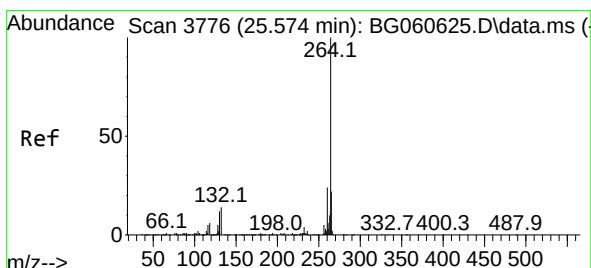
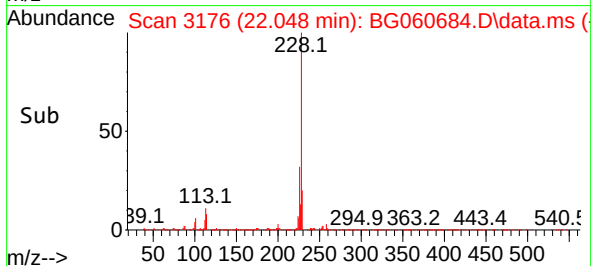
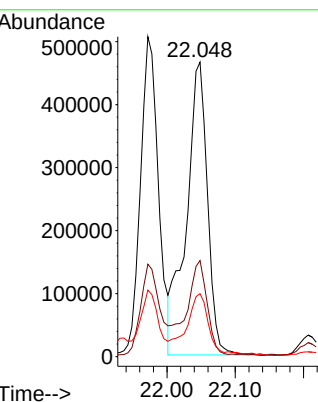
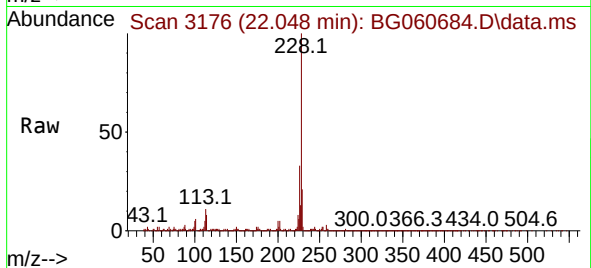
229 21.4 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024

Supervised By :mohammad ahmed 03/21/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.544 min Scan# 3771

Delta R.T. 0.017 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

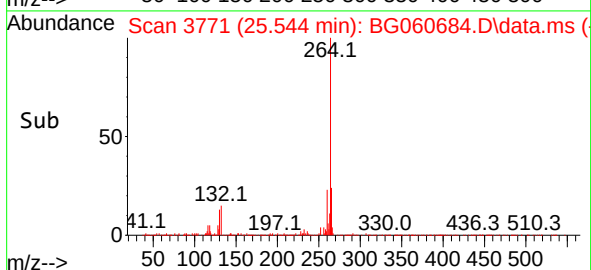
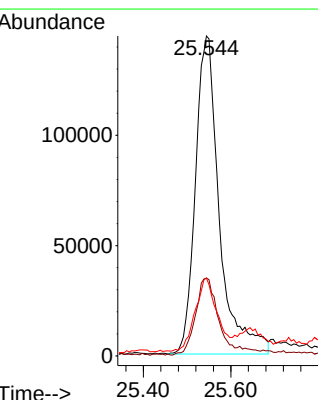
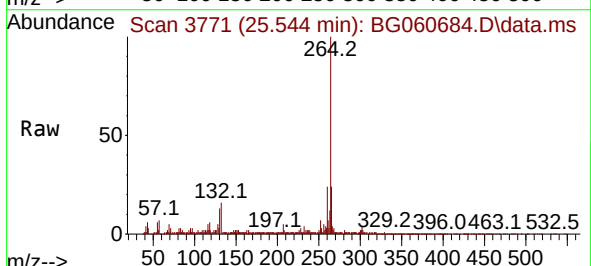
Tgt Ion:264 Resp: 547838

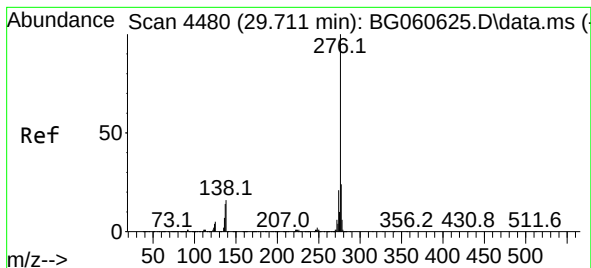
Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 24.4 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.988 ng

RT: 29.639 min Scan# 44

Delta R.T. 0.006 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Instrument :

BNA_G

ClientSampleId :

72-11977DL

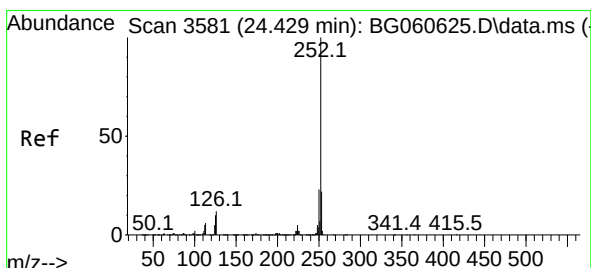
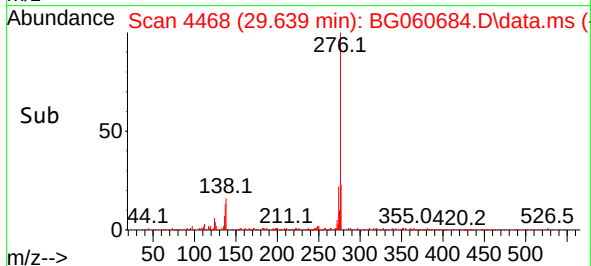
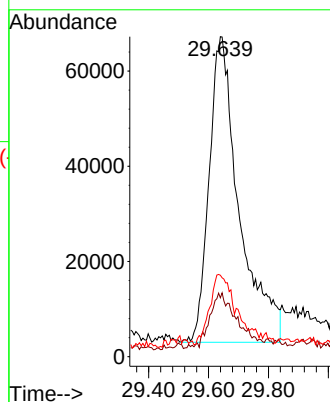
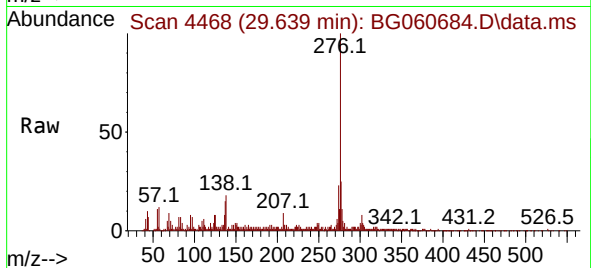
Tgt Ion:276 Resp: 447959

Ion	Ratio	Lower	Upper
276	100		
138	15.6	6.6	10.0
277	15.7	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#88

Benzo(b)fluoranthene

Concen: 43.378 ng

RT: 24.398 min Scan# 3576

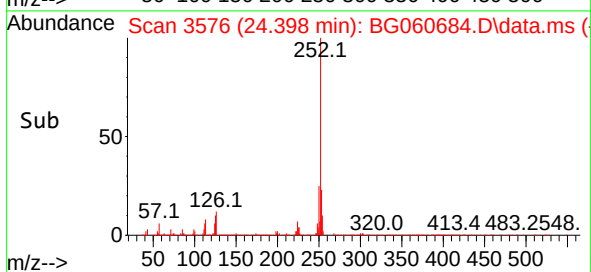
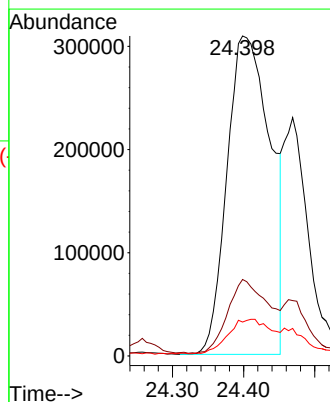
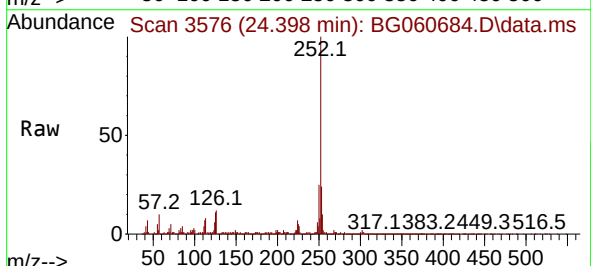
Delta R.T. 0.012 min

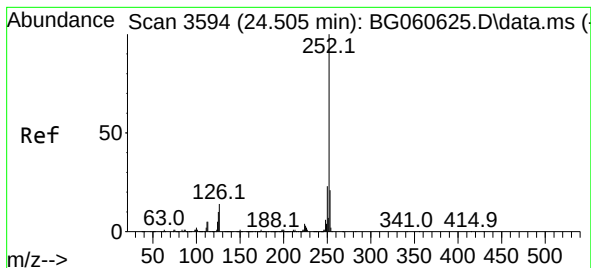
Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Tgt Ion:252 Resp: 1307343

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	10.6	7.8	11.6





#89

Benzo(k)fluoranthene

Concen: 18.908 ng m

RT: 24.469 min Scan# 3

Delta R.T. 0.012 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Instrument :

BNA_G

ClientSampleId :

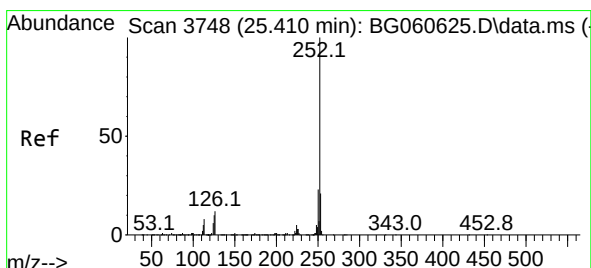
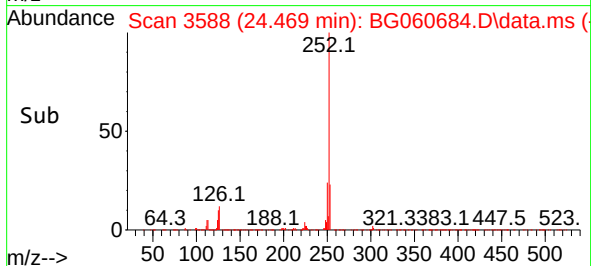
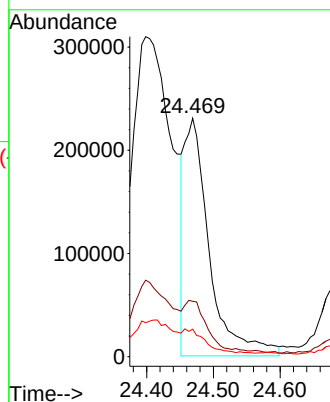
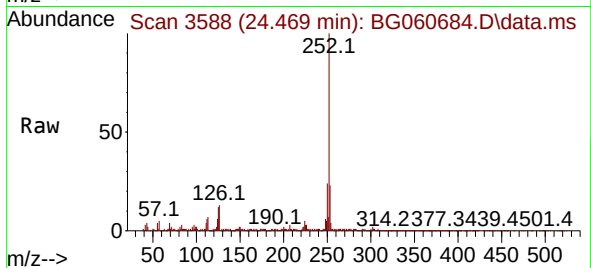
72-11977DL

Tgt Ion:	252	Resp:	59869
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.1	25.7
125	11.6	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#90

Benzo(a)pyrene

Concen: 28.666 ng

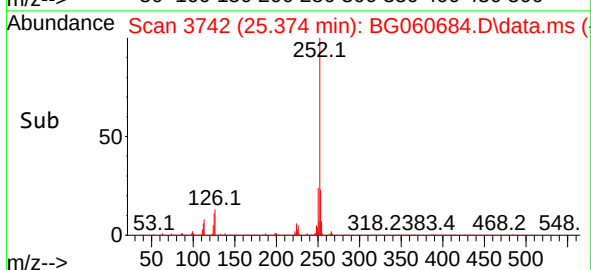
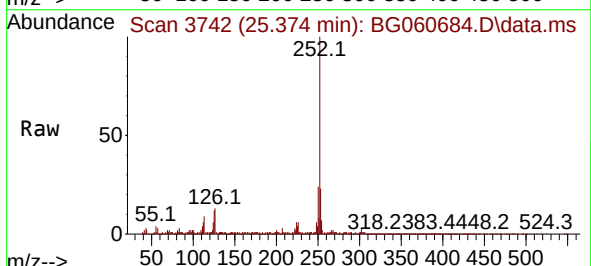
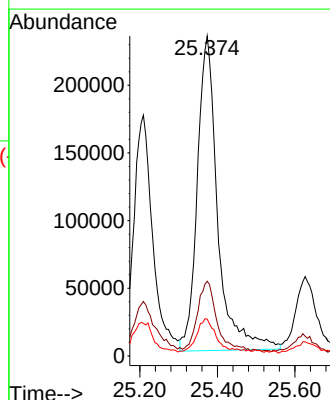
RT: 25.374 min Scan# 3742

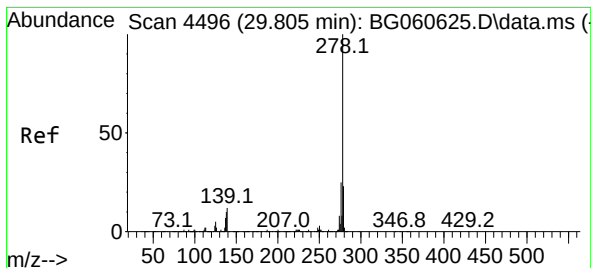
Delta R.T. 0.017 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Tgt Ion:	252	Resp:	847019
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	11.5	8.2	12.2





#91

Dibenzo(a,h)anthracene

Concen: 3.623 ng m

RT: 29.722 min Scan# 44

Delta R.T. 0.006 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Instrument :

BNA_G

ClientSampleId :

72-11977DL

Tgt Ion:278 Resp: 11492

Ion Ratio Lower Upper

278 100

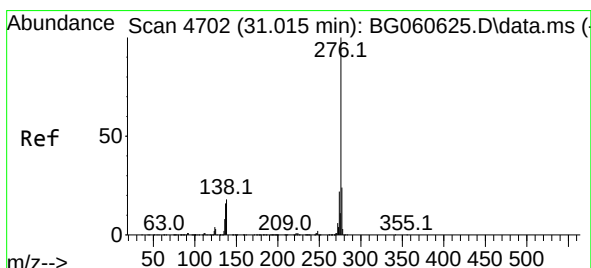
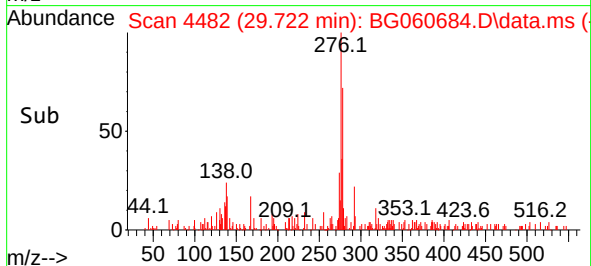
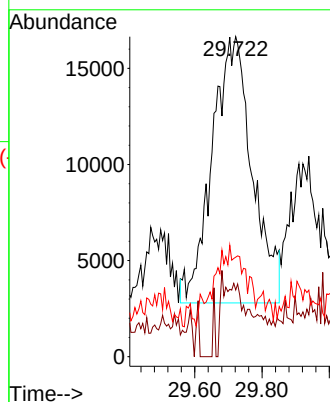
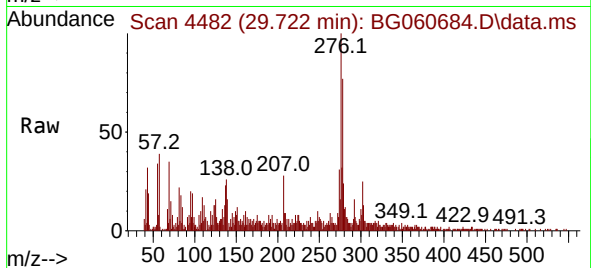
139 20.8 9.8 14.8

279 31.1 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/20/2024
Supervised By :mohammad ahmed 03/21/2024



#92

Benzo(g,h,i)perylene

Concen: 11.400 ng

RT: 30.944 min Scan# 4690

Delta R.T. 0.006 min

Lab File: BG060684.D

Acq: 19 Mar 2024 16:51

Tgt Ion:276 Resp: 350154

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 18.5 14.4 21.6

