

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
 Data File : BP021086.D
 Acq On : 22 Jul 2024 13:23
 Operator : MA/JU
 Sample : P3238-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BZ6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 23 03:00:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 14:23:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.681	152	205182	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.440	136	830172	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.293	164	540849	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.110	188	1191207	20.000	ng/u1	-0.02
79) Chrysene-d12	21.557	240	1156775	20.000	ng/u1	-0.02
88) Perylene-d12	24.874	264	1383936	20.000	ng/u1	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.223	96	11794	2.616	ng/uL	-0.01
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.887	99	244673	14.627	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	7.028	67	147596	14.559	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.228	132	208160	15.103	ng/u1	-0.01
15) 4-Methylphenol-d8	8.399	113	190279	13.696	ng/u1	-0.02
21) Nitrobenzene-d5	8.834	128	99562	15.441	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.540	143	110064	14.913	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	192768m	14.445	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.593	131	106985m	6.051	ng/u1	0.00
46) Dimethylphthalate-d6	13.698	166	617373	15.702	ng/u1	-0.02
49) Acenaphthylene-d8	13.975	160	728618	16.504	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.604	143	53922m	9.639	ng/u1	0.00
60) Fluorene-d10	15.304	176	570200	17.678	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.475	200	53210	7.383	ng/u1	0.00
73) Anthracene-d10	17.210	188	876242	16.562	ng/u1	-0.02
81) Pyrene-d10	19.598	212	995931	13.926	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.627	264	867681	12.712	ng/u1	-0.06
Target Compounds					Qvalue	
52) Acenaphthene	14.351	153	42329	1.276	ng/u1	100
61) Fluorene	15.363	166	50639	1.366	ng/u1	97
72) Phenanthrene	17.157	178	1110059	17.964	ng/u1	99
74) Anthracene	17.245	178	214030	3.397	ng/u1	99
77) Carbazole	17.545	167	111905	2.173	ng/u1	99
80) Fluoranthene	19.251	202	2268638	26.267	ng/u1	98
82) Pyrene	19.633	202	1630679	18.554	ng/u1	100
85) Benzo(a)anthracene	21.539	228	970108	11.972	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.445	149	219066	4.157	ng/u1	99
87) Chrysene	21.604	228	1107632	14.710	ng/u1	97
90) Benzo(b)fluoranthene	23.810	252	1525655	18.166	ng/u1	96
91) Benzo(k)fluoranthene	23.880	252	518188m	6.183	ng/u1	
93) Benzo(a)pyrene	24.704	252	609151	7.675	ng/u1#	96
94) Indeno(1,2,3-cd)pyrene	28.645	276	598875m	5.856	ng/u1	
95) Dibenzo(a,h)anthracene	28.668	278	191563m	2.262	ng/u1	
96) Benzo(g,h,i)perylene	29.792	276	90706m	1.089	ng/u1	

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

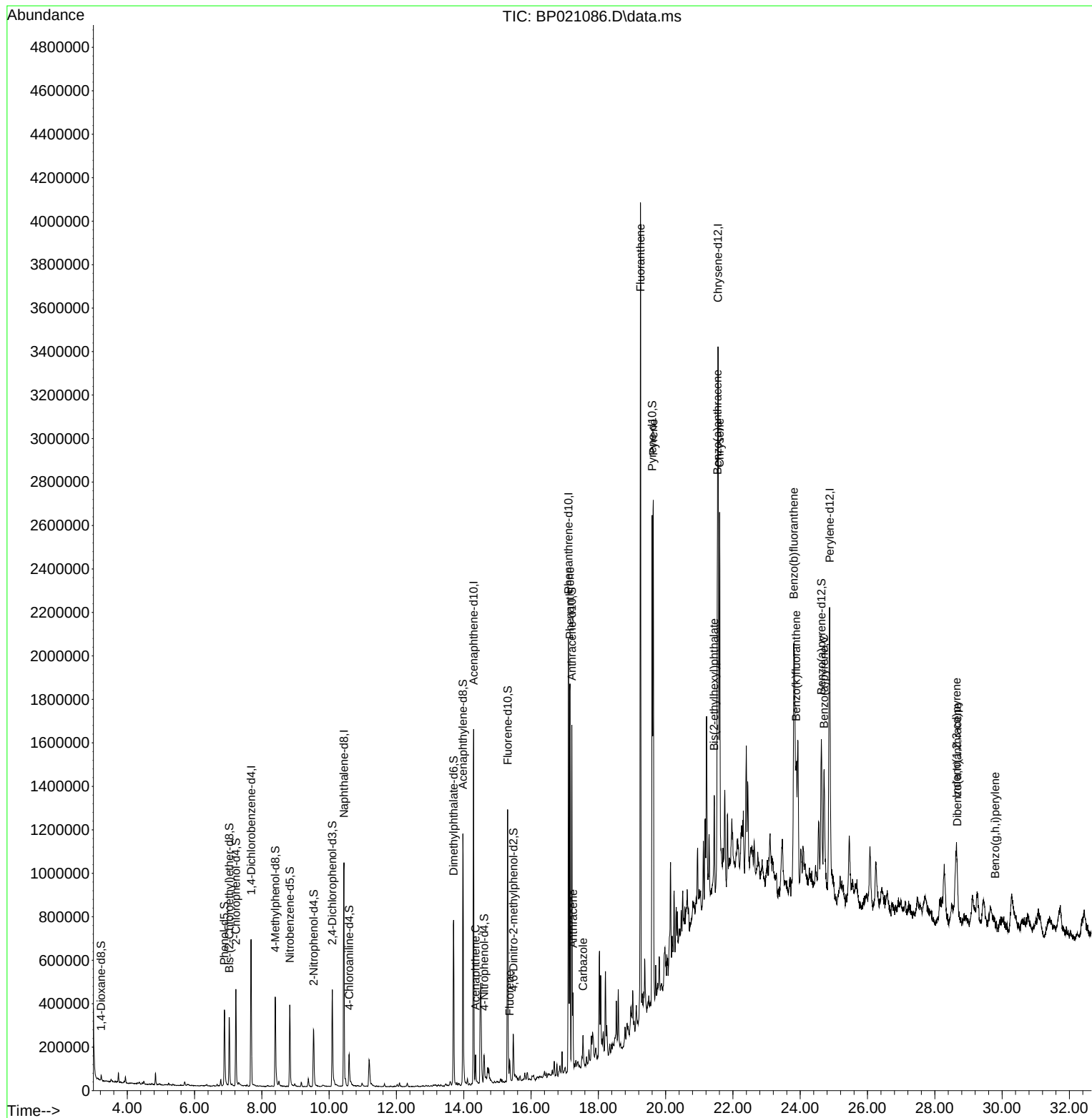
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072224\
Data File : BP021086.D
Acq On : 22 Jul 2024 13:23
Operator : MA/JU
Sample : P3238-16
Misc :
ALS Vial : 5 Sample Multiplier: 1

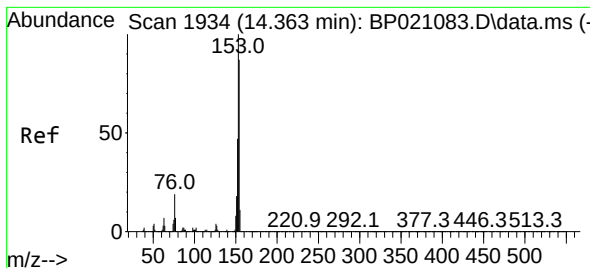
Instrument :
BNA_P
ClientSampleId :
A4BZ6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 23 03:00:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 14:23:21 2024
Response via : Initial Calibration





#52

Acenaphthene

Concen: 1.276 ng/ul

RT: 14.351 min Scan# 1932

Delta R.T. -0.023 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

Instrument :

BNA_P

ClientSampleId :

A4BZ6

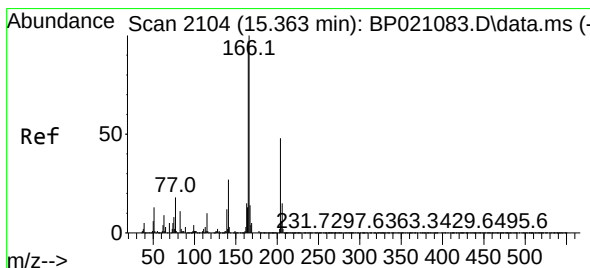
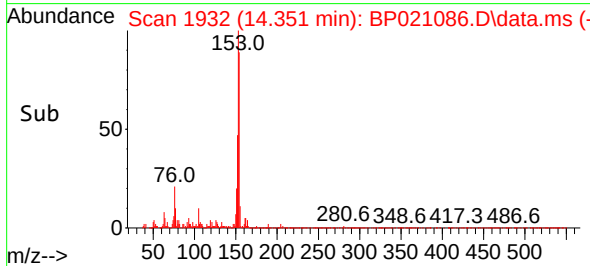
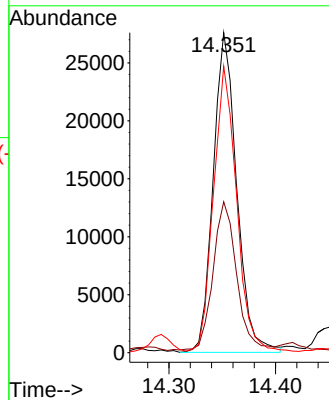
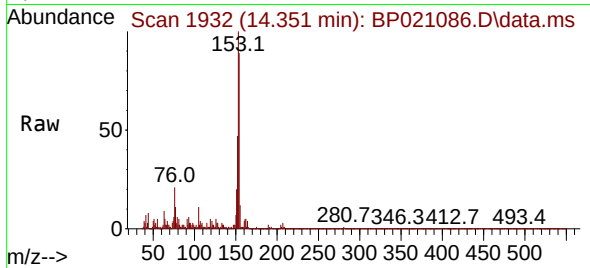
Tgt Ion:	153	Resp:	42329
Ion Ratio	Lower	Upper	
153	100		
152	47.2	37.8	56.6
154	89.5	71.8	107.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#61

Fluorene

Concen: 1.366 ng/ul

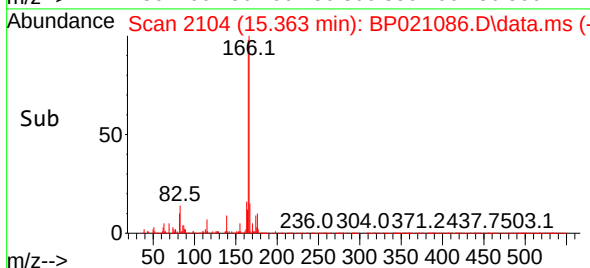
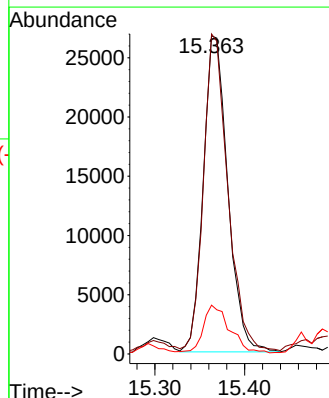
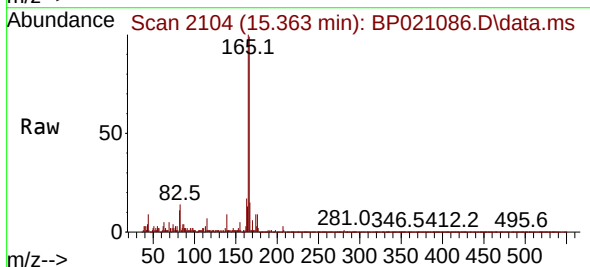
RT: 15.363 min Scan# 2104

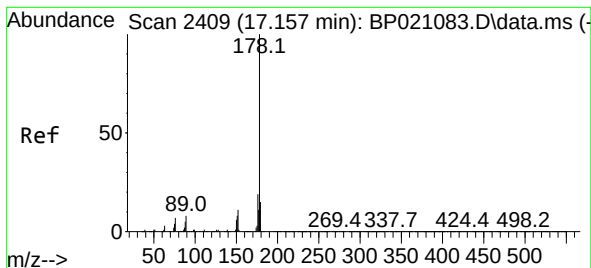
Delta R.T. -0.017 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

Tgt Ion:	166	Resp:	50639
Ion Ratio	Lower	Upper	
166	100		
165	100.6	78.1	117.1
167	15.3	10.9	16.3





#72

Phenanthrene

Concen: 17.964 ng/ul

RT: 17.157 min Scan# 2409

Delta R.T. -0.012 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

Instrument :

BNA_P

ClientSampleId :

A4BZ6

Tgt Ion:178 Resp: 111059

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

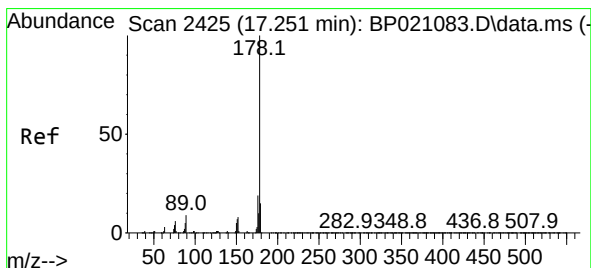
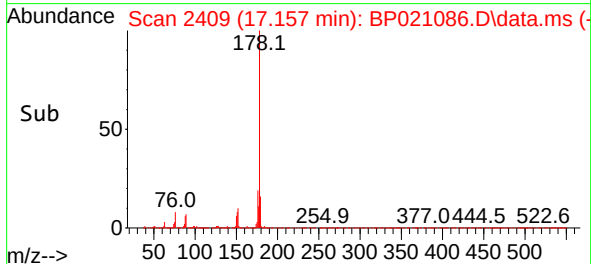
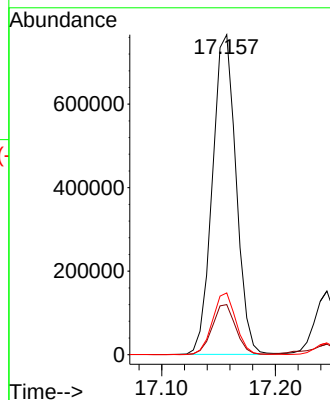
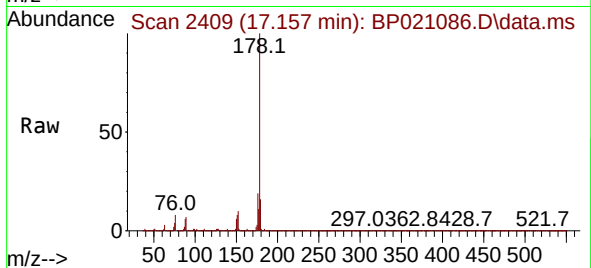
176 19.3 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#74

Anthracene

Concen: 3.397 ng/ul

RT: 17.245 min Scan# 2424

Delta R.T. -0.017 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

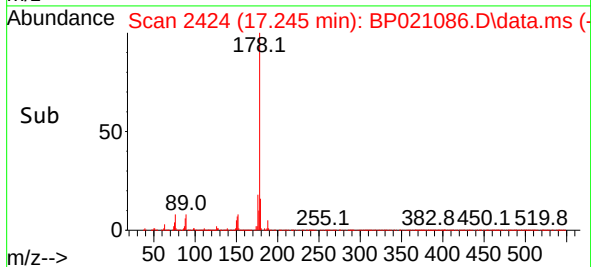
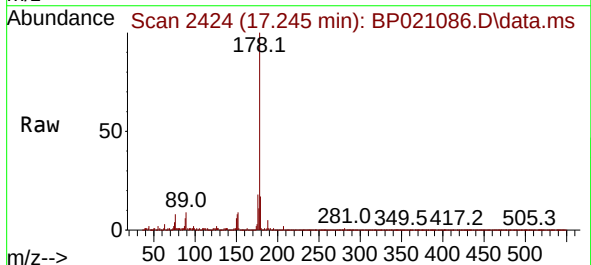
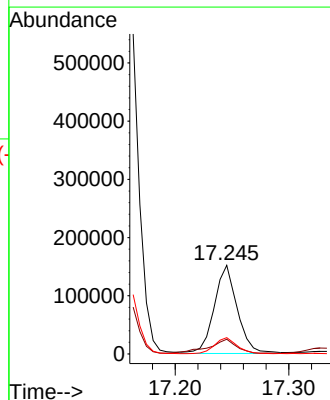
Tgt Ion:178 Resp: 214030

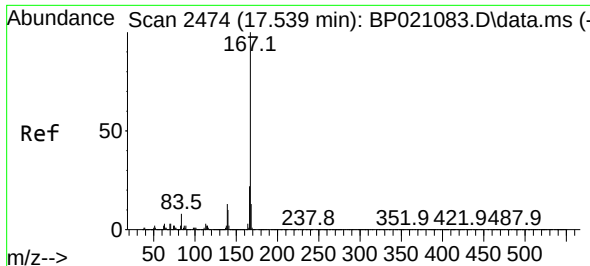
Ion Ratio Lower Upper

178 100

179 16.7 12.5 18.7

176 18.5 14.8 22.2





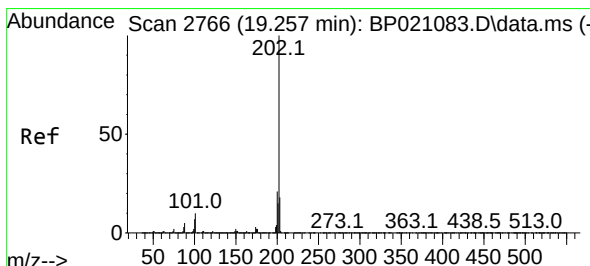
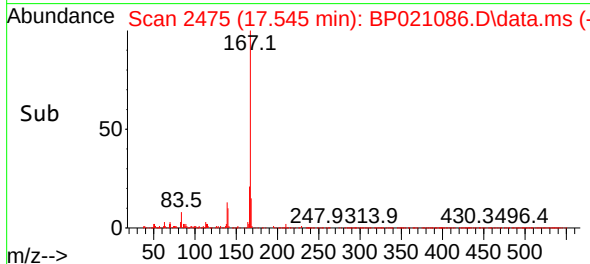
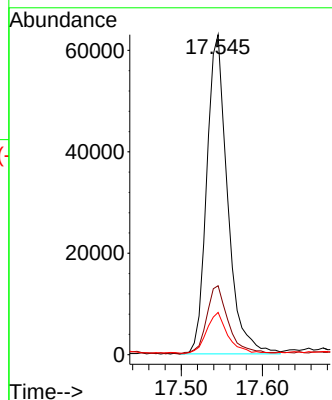
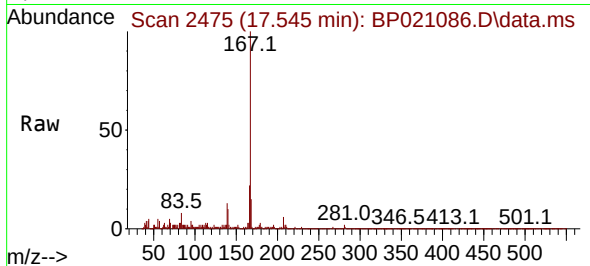
#77
Carbazole
Concen: 2.173 ng/ul
RT: 17.545 min Scan# 2474
Delta R.T. -0.017 min
Lab File: BP021086.D
Acq: 22 Jul 2024 13:23

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Tgt Ion:167 Resp: 11190
Ion Ratio Lower Upper
167 100
166 21.5 17.3 25.9
139 13.2 10.2 15.2

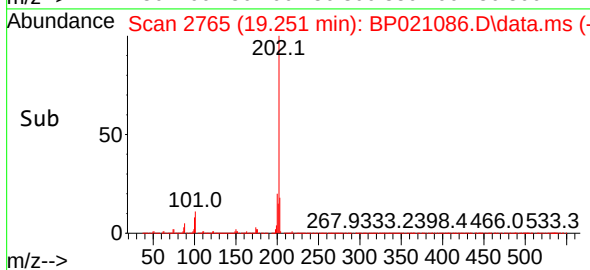
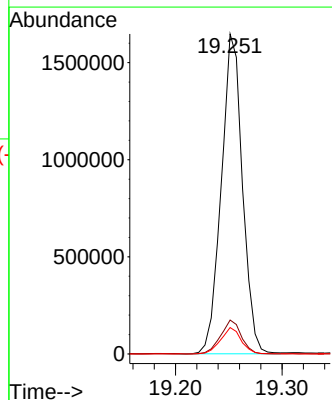
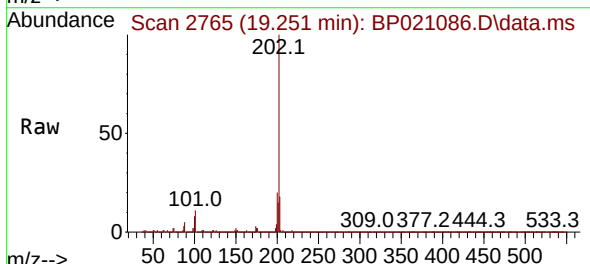
Manual Integrations
APPROVED

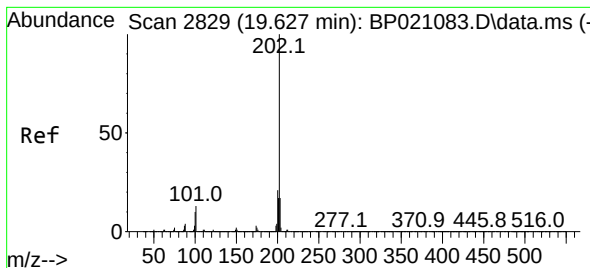
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#80
Fluoranthene
Concen: 26.267 ng/ul
RT: 19.251 min Scan# 2765
Delta R.T. -0.012 min
Lab File: BP021086.D
Acq: 22 Jul 2024 13:23

Tgt Ion:202 Resp: 2268638
Ion Ratio Lower Upper
202 100
101 10.6 8.0 12.0
100 8.3 6.1 9.1





#82

Pyrene

Concen: 18.554 ng/ul

RT: 19.633 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

Instrument :

BNA_P

ClientSampleId :

A4BZ6

Tgt Ion:202 Resp: 1630679

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.2

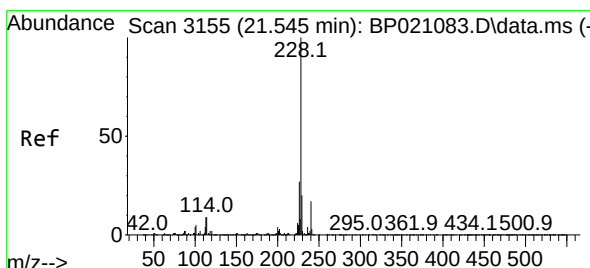
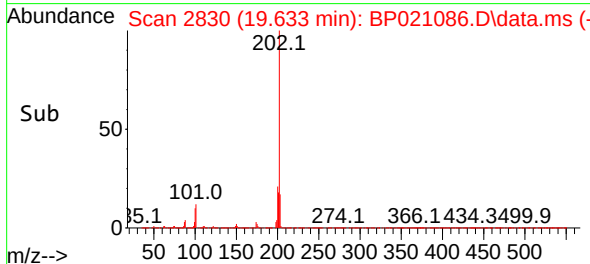
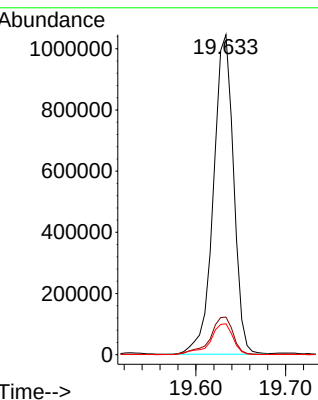
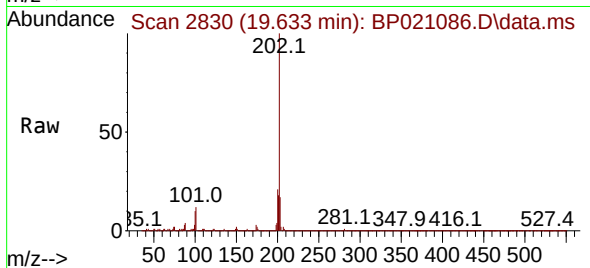
100 9.7 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#85

Benzo(a)anthracene

Concen: 11.972 ng/ul

RT: 21.539 min Scan# 3154

Delta R.T. -0.023 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

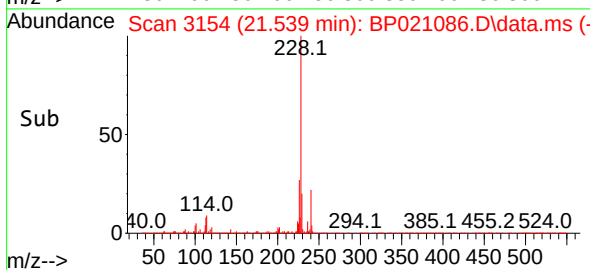
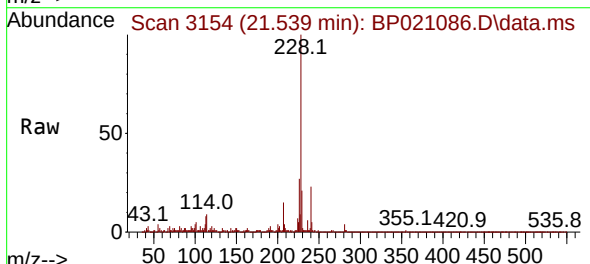
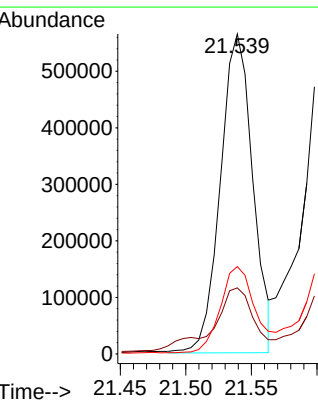
Tgt Ion:228 Resp: 970108

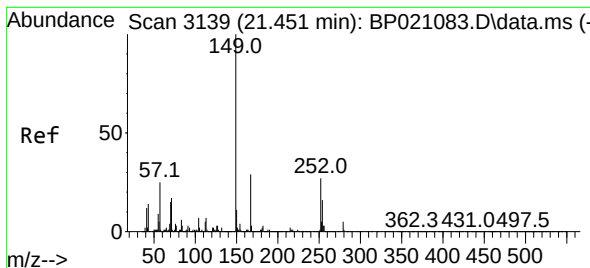
Ion Ratio Lower Upper

228 100

229 20.7 15.5 23.3

226 27.3 21.4 32.2





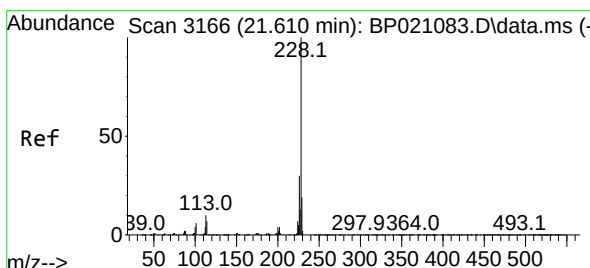
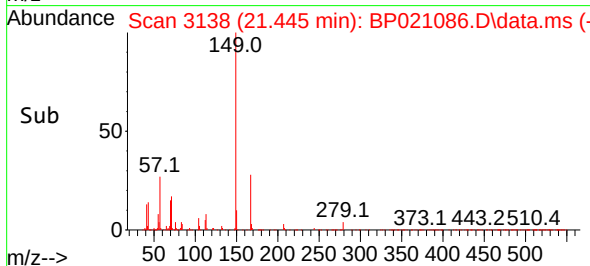
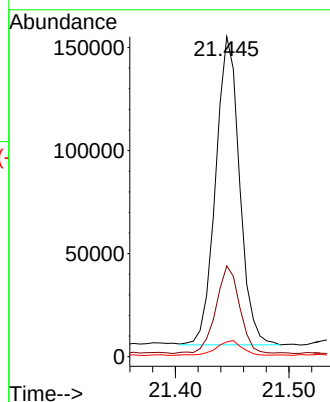
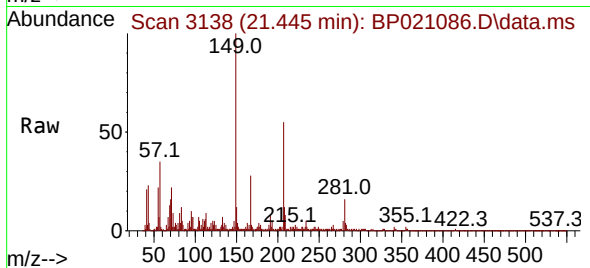
#86
Bis(2-ethylhexyl)phthalate
Concen: 4.157 ng/ul
RT: 21.445 min Scan# 3138
Delta R.T. -0.023 min
Lab File: BP021086.D
Acq: 22 Jul 2024 13:23

Instrument :
BNA_P
ClientSampleId :
A4BZ6

Tgt Ion:149 Resp: 219060
Ion Ratio Lower Upper
149 100
167 28.4 22.1 33.1
279 4.6 3.7 5.5

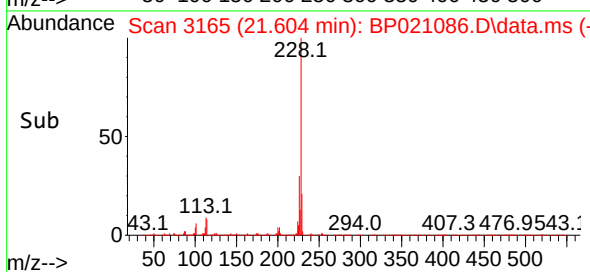
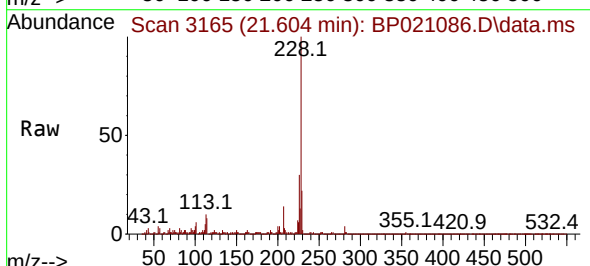
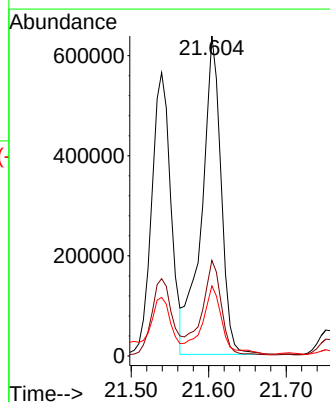
Manual Integrations
APPROVED

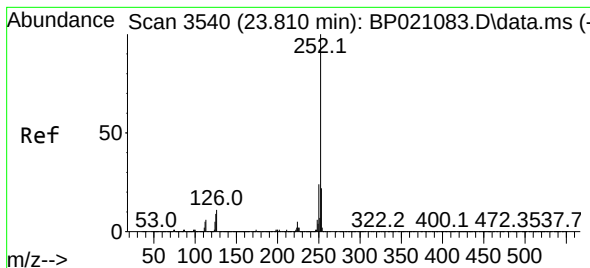
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#87
Chrysene
Concen: 14.710 ng/ul
RT: 21.604 min Scan# 3165
Delta R.T. -0.023 min
Lab File: BP021086.D
Acq: 22 Jul 2024 13:23

Tgt Ion:228 Resp: 1107632
Ion Ratio Lower Upper
228 100
226 29.9 23.6 35.4
229 21.9 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 18.166 ng/ul

RT: 23.810 min Scan# 3540

Delta R.T. -0.041 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

Instrument :

BNA_P

ClientSampleId :

A4BZ6

Tgt Ion:252 Resp: 152565

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

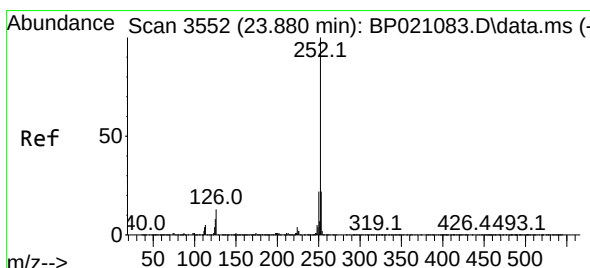
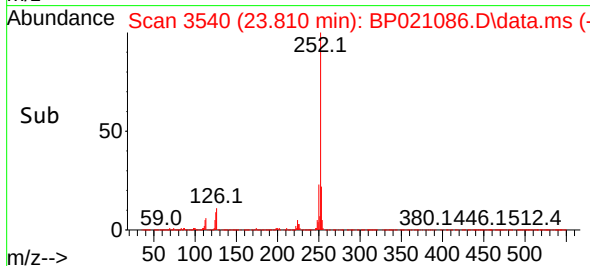
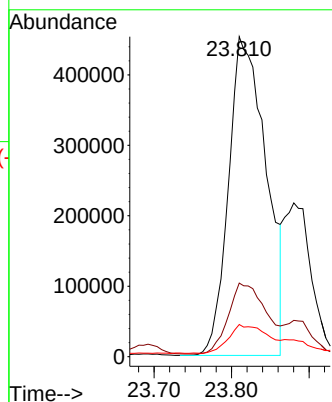
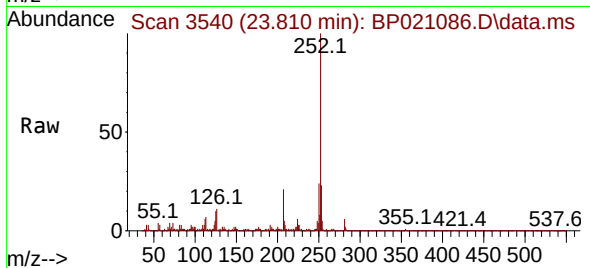
125 10.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#91

Benzo(k)fluoranthene

Concen: 6.183 ng/ul m

RT: 23.880 min Scan# 3552

Delta R.T. -0.041 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

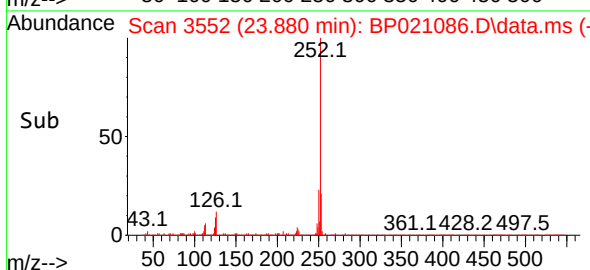
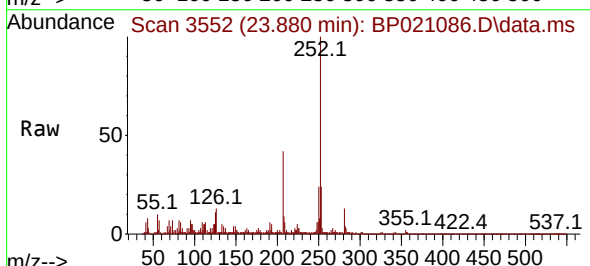
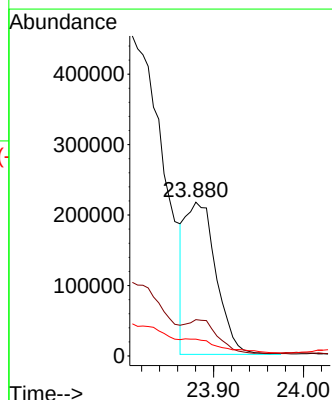
Tgt Ion:252 Resp: 518188

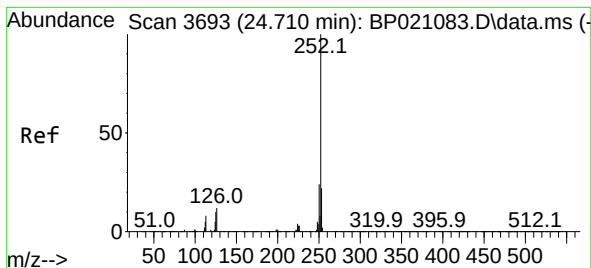
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 11.0 7.4 11.0





#93

Benzo(a)pyrene

Concen: 7.675 ng/ul

RT: 24.704 min Scan# 3692

Delta R.T. -0.059 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

Instrument :

BNA_P

ClientSampleId :

A4BZ6

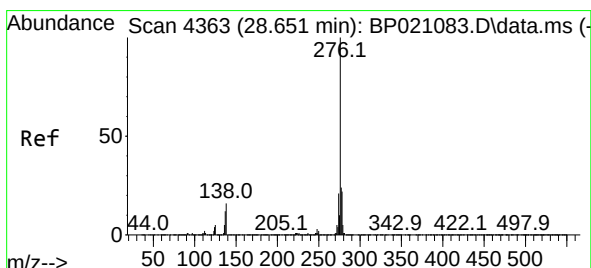
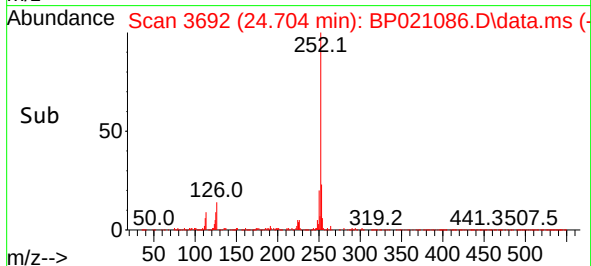
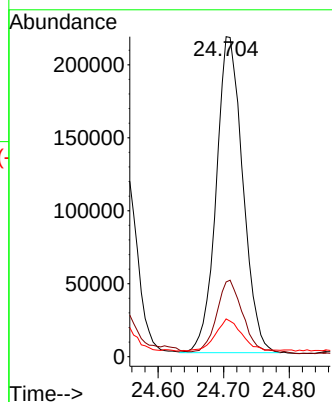
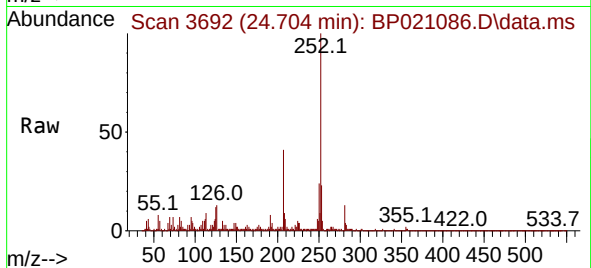
Tgt Ion:	252	Resp:	60915
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.0
125	11.8	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.856 ng/ul m

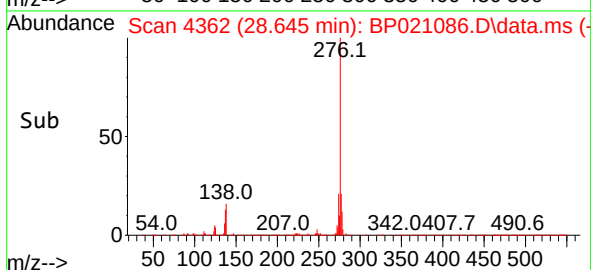
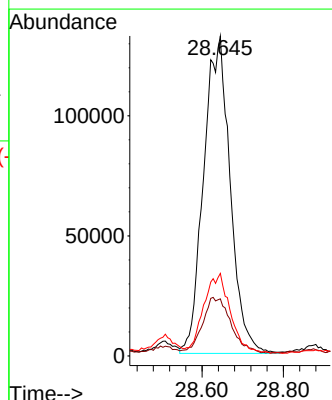
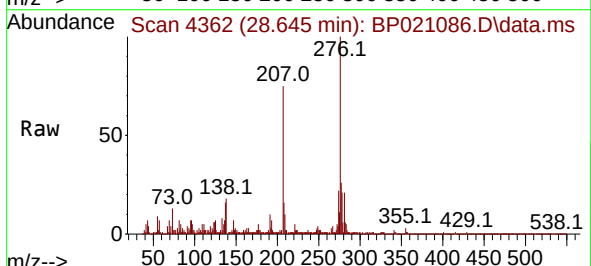
RT: 28.645 min Scan# 4362

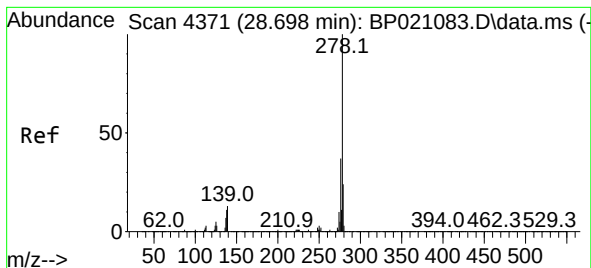
Delta R.T. -0.059 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

Tgt Ion:	276	Resp:	598875
Ion Ratio	Lower	Upper	
276	100		
138	17.9	14.3	21.5
277	25.8	19.2	28.8





#95

Dibenzo(a,h)anthracene

Concen: 2.262 ng/ul m

RT: 28.668 min Scan# 4366

Delta R.T. -0.070 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

Instrument :

BNA_P

ClientSampleId :

A4BZ6

Tgt Ion:278 Resp: 19156

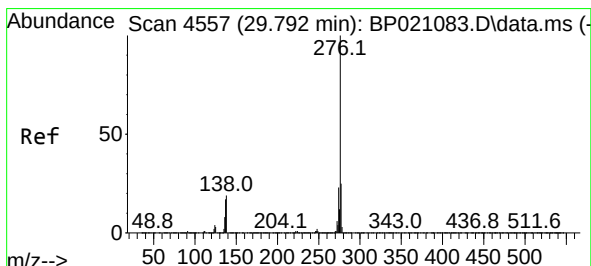
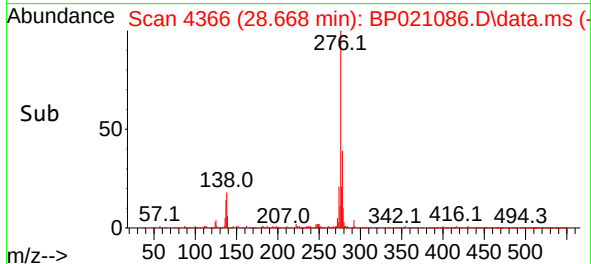
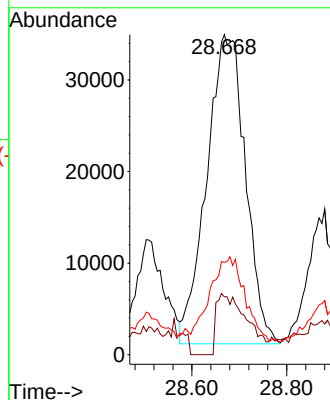
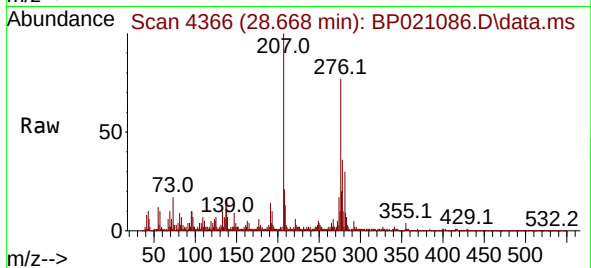
Ion	Ratio	Lower	Upper
278	100		
139	18.1	10.9	16.3
279	28.9	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#96

Benzo(g,h,i)perylene

Concen: 1.089 ng/ul m

RT: 29.792 min Scan# 4557

Delta R.T. -0.059 min

Lab File: BP021086.D

Acq: 22 Jul 2024 13:23

Tgt Ion:276 Resp: 90706

Ion	Ratio	Lower	Upper
276	100		
138	24.4	15.3	22.9
277	28.9	18.2	27.2

