

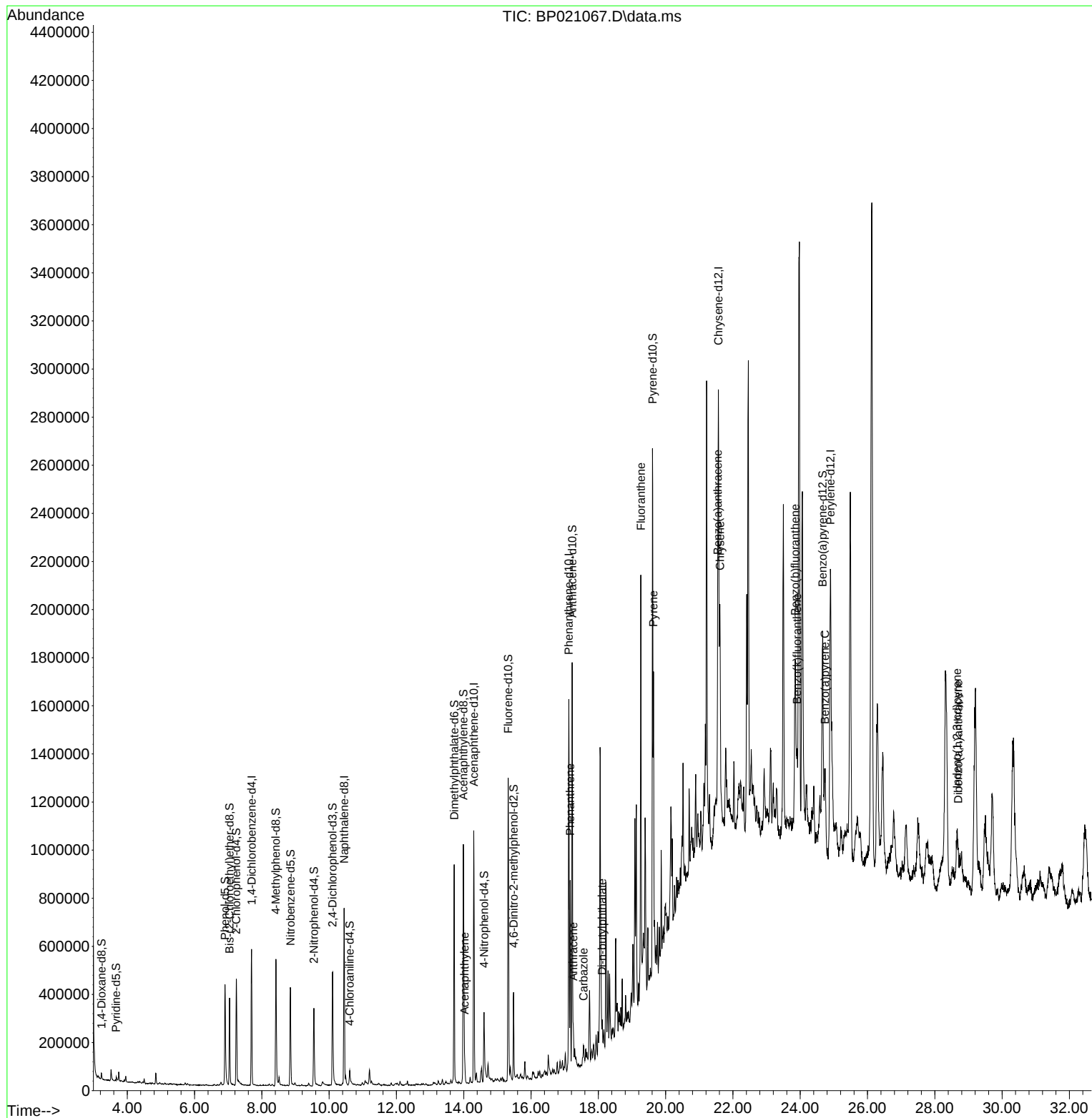
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071824\
 Data File : BP021067.D
 Acq On : 19 Jul 2024 06:27
 Operator : MA/JU
 Sample : P3201-19
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

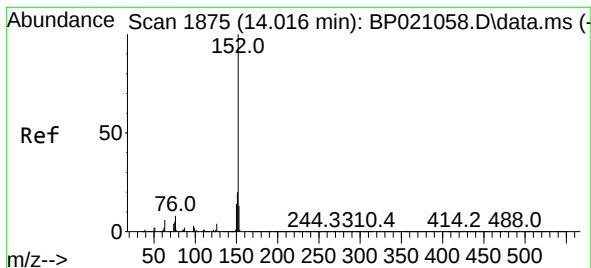
Instrument :
 BNA_P
 ClientSampleId :
 A4CK1

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 19 07:17:09 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





#50

Acenaphthylene

Concen: 1.870 ng/ul

RT: 14.028 min Scan# 1877

Delta R.T. 0.000 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Instrument :

BNA_P

ClientSampleId :

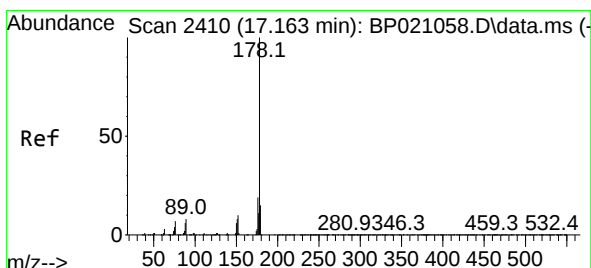
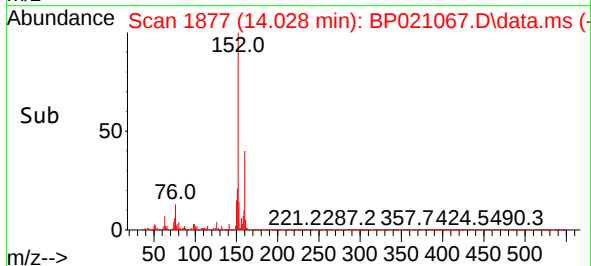
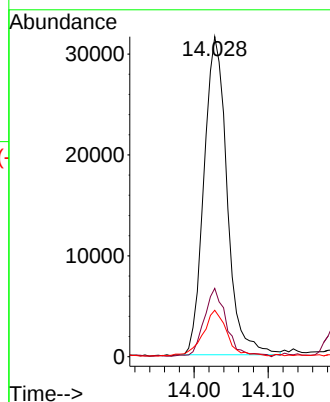
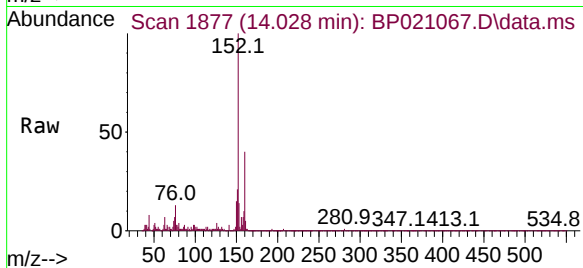
A4CK1

Tgt Ion:	152	Resp:	6849
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.2	24.2
153	14.5	10.3	15.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#72

Phenanthrene

Concen: 9.704 ng/ul

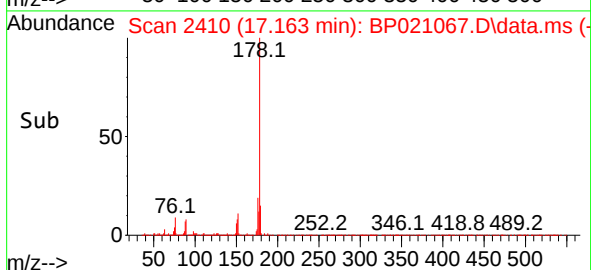
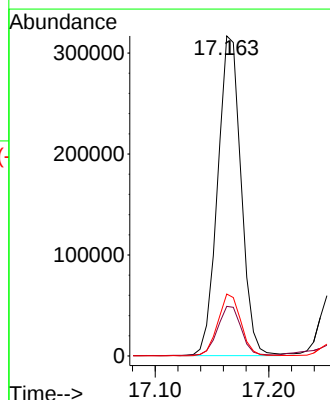
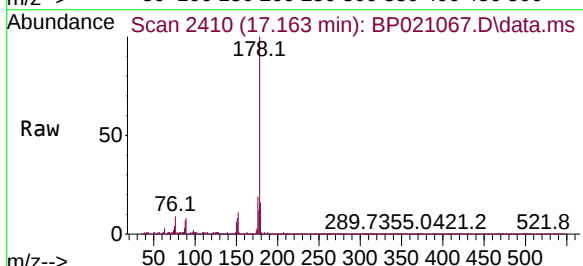
RT: 17.163 min Scan# 2410

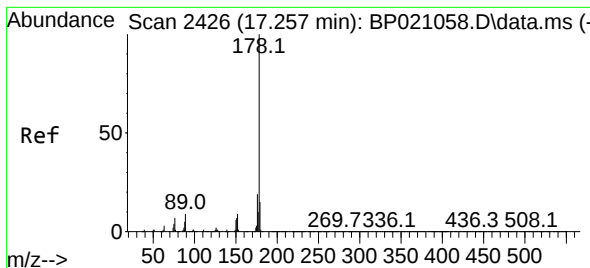
Delta R.T. -0.006 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Tgt Ion:	178	Resp:	453791
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.2	18.4
176	19.4	15.0	22.4





#74

Anthracene

Concen: 2.501 ng/u1

RT: 17.257 min Scan# 2426

Delta R.T. -0.006 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Instrument :

BNA_P

ClientSampleId :

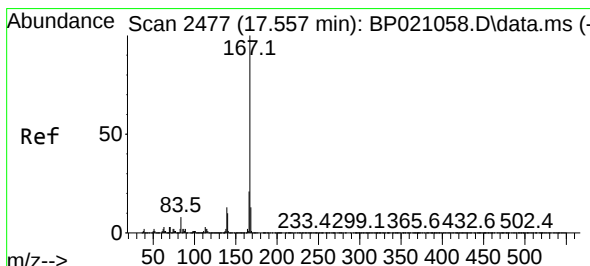
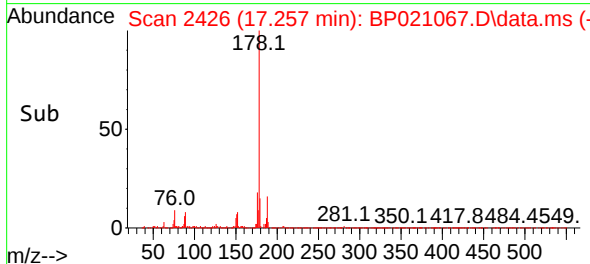
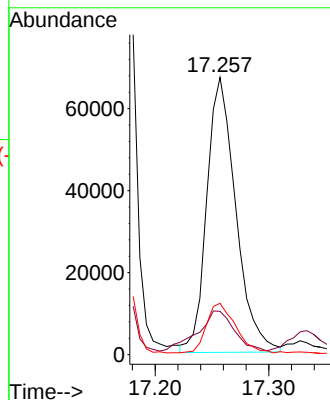
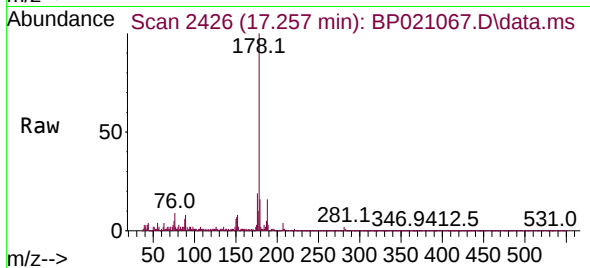
A4CK1

Tgt Ion:178	Resp: 119214
Ion Ratio	Lower Upper
178 100	
179 15.6	12.5 18.7
176 18.5	14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#77

Carbazole

Concen: 1.212 ng/u1

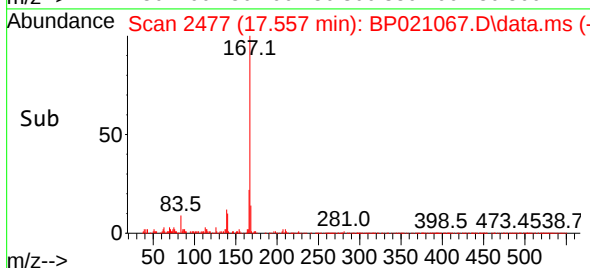
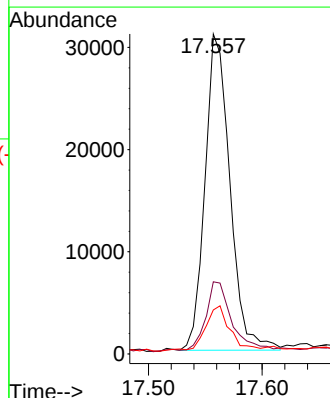
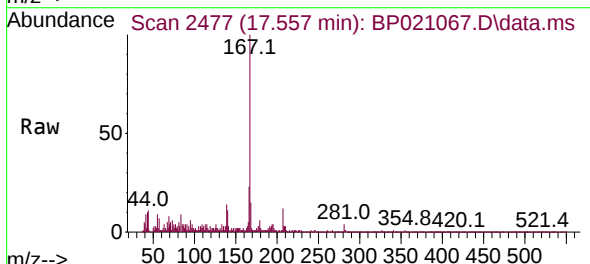
RT: 17.557 min Scan# 2477

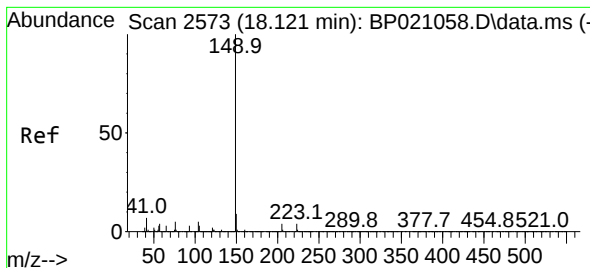
Delta R.T. -0.006 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Tgt Ion:167	Resp: 47228
Ion Ratio	Lower Upper
167 100	
166 22.6	17.3 25.9
139 13.7	10.2 15.2





#78

Di-n-butylphthalate

Concen: 1.068 ng/ul

RT: 18.116 min Scan# 2573

Delta R.T. -0.006 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Instrument :

BNA_P

ClientSampleId :

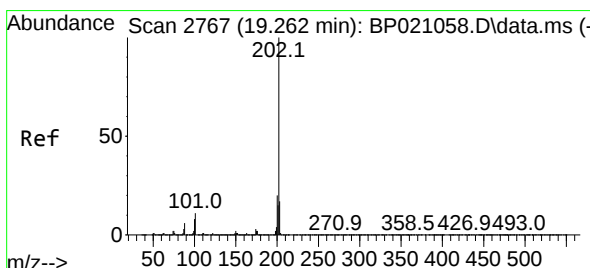
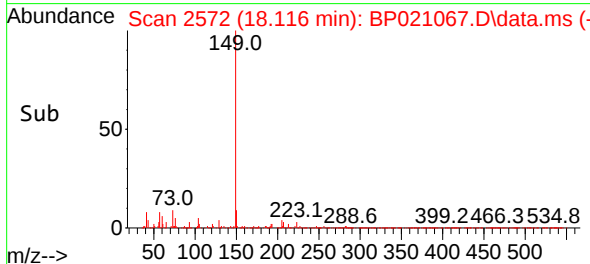
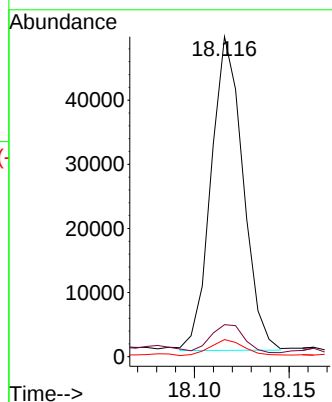
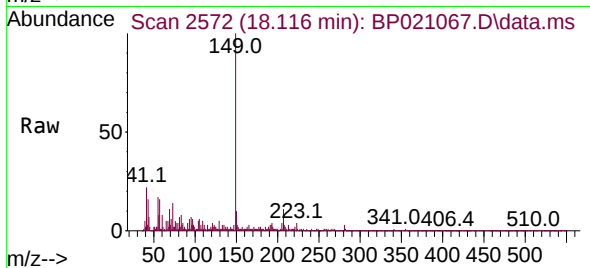
A4CK1

Tgt Ion:	149	Resp:	57430
Ion Ratio	Lower	Upper	
149	100		
150	10.0	7.4	11.0
104	5.4	3.9	5.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#80

Fluoranthene

Concen: 13.631 ng/ul

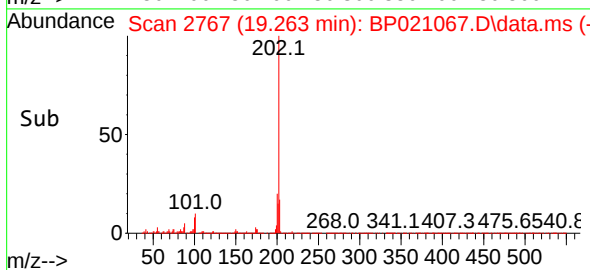
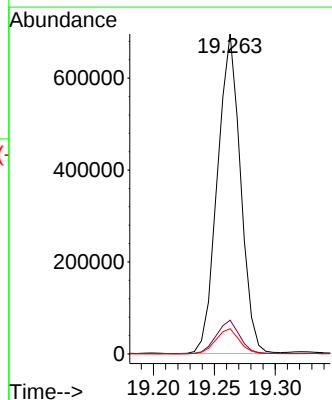
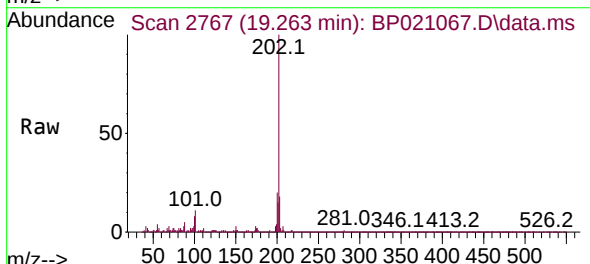
RT: 19.263 min Scan# 2767

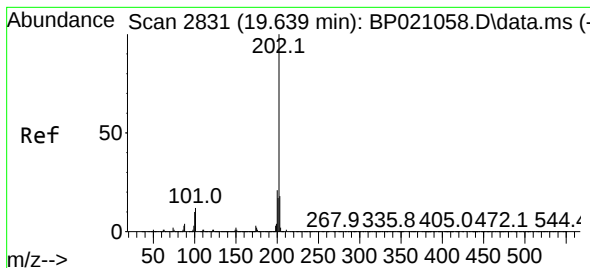
Delta R.T. 0.000 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Tgt Ion:	202	Resp:	918171
Ion Ratio	Lower	Upper	
202	100		
101	10.6	8.0	12.0
100	7.9	6.1	9.1





#82

Pyrene

Concen: 10.416 ng/ul

RT: 19.639 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Instrument :

BNA_P

ClientSampleId :

A4CK1

Tgt Ion:202 Resp: 71398

Ion Ratio Lower Upper

202 100

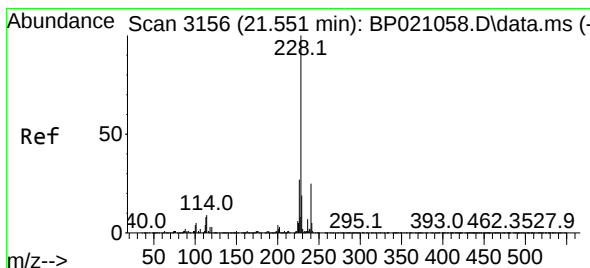
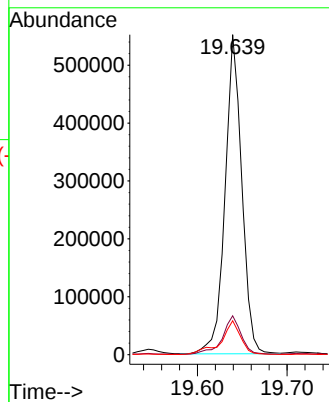
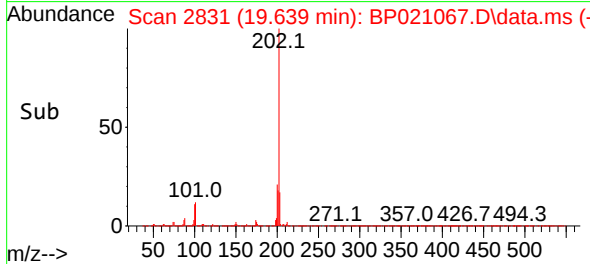
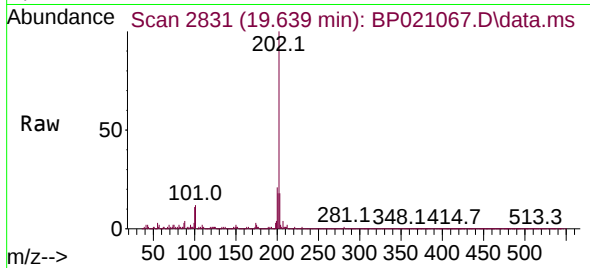
101 12.2 9.4 14.2

100 10.6 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#85

Benzo(a)anthracene

Concen: 7.959 ng/ul

RT: 21.545 min Scan# 3155

Delta R.T. -0.018 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

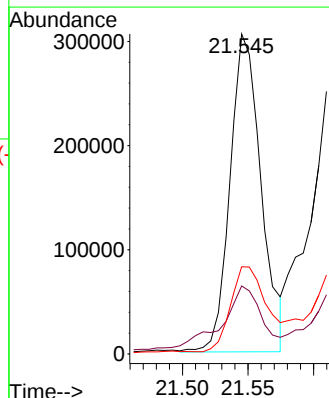
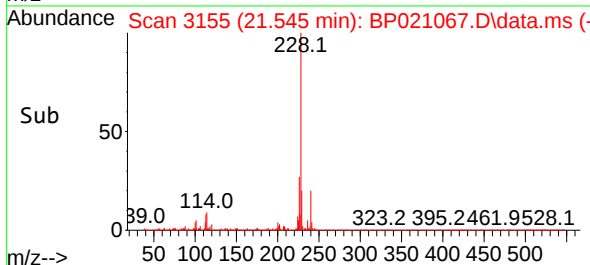
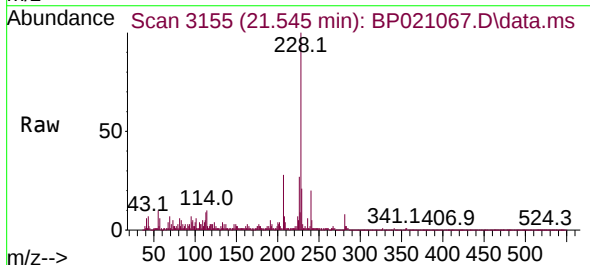
Tgt Ion:228 Resp: 502984

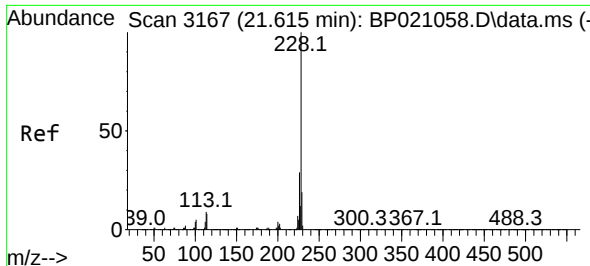
Ion Ratio Lower Upper

228 100

229 21.3 15.5 23.3

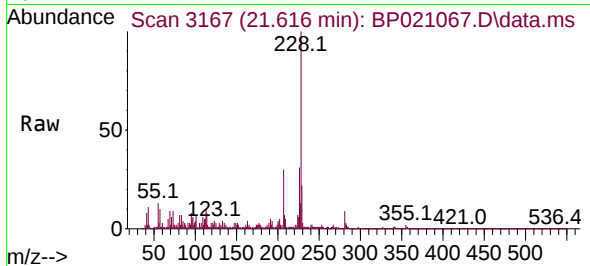
226 27.2 21.4 32.2





#87
Chrysene
Concen: 9.528 ng/ul
RT: 21.616 min Scan# 3167
Delta R.T. -0.012 min
Lab File: BP021067.D
Acq: 19 Jul 2024 06:27

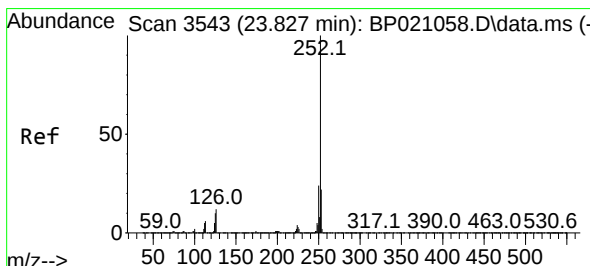
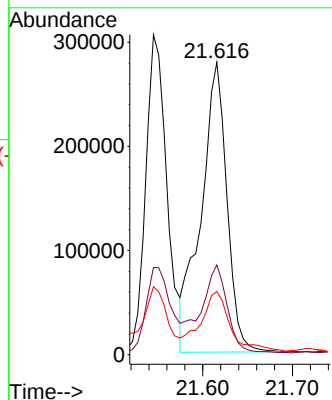
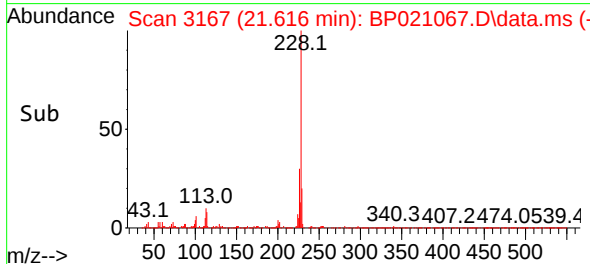
Instrument :
BNA_P
ClientSampleId :
A4CK1



Tgt Ion:228 Resp: 559507
Ion Ratio Lower Upper
228 100
226 30.7 23.6 35.4
229 21.6 15.5 23.3

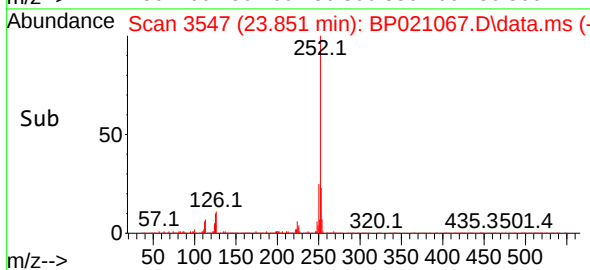
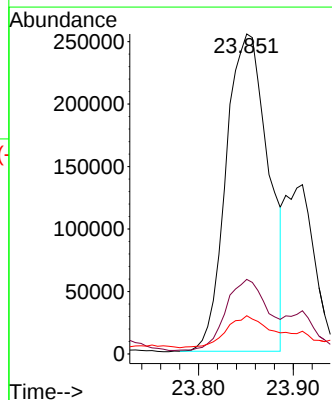
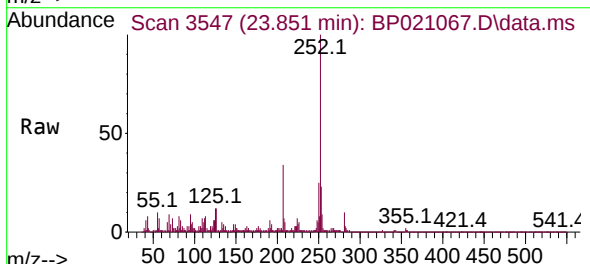
Manual Integrations
APPROVED

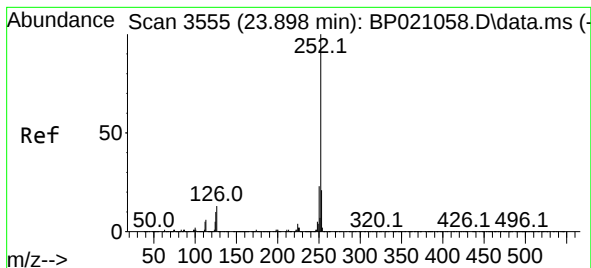
Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#90
Benzo(b)fluoranthene
Concen: 11.470 ng/ul
RT: 23.851 min Scan# 3547
Delta R.T. 0.000 min
Lab File: BP021067.D
Acq: 19 Jul 2024 06:27

Tgt Ion:252 Resp: 787122
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 12.0 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 4.270 ng/ul m

RT: 23.910 min Scan# 3555

Delta R.T. -0.012 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Instrument :

BNA_P

ClientSampleId :

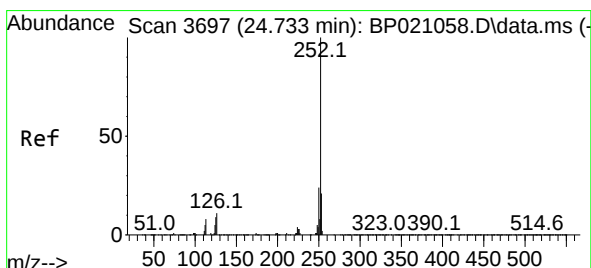
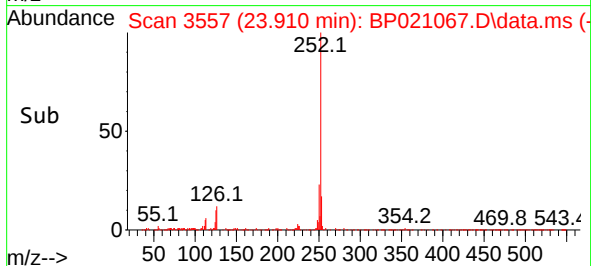
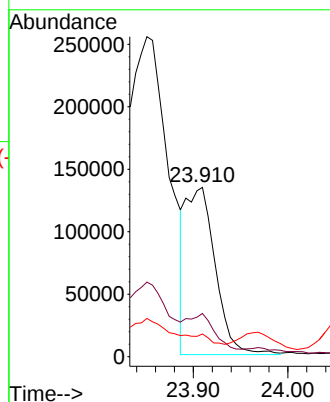
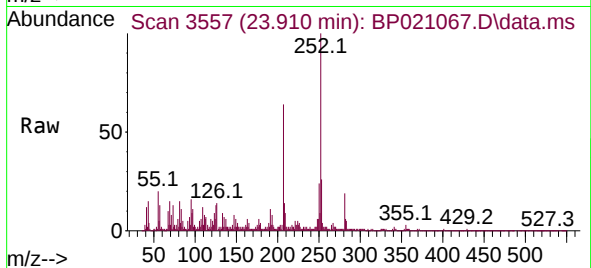
A4CK1

Tgt Ion:	252	Resp:	292430
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.4	26.2
125	13.5	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#93

Benzo(a)pyrene

Concen: 4.541 ng/ul

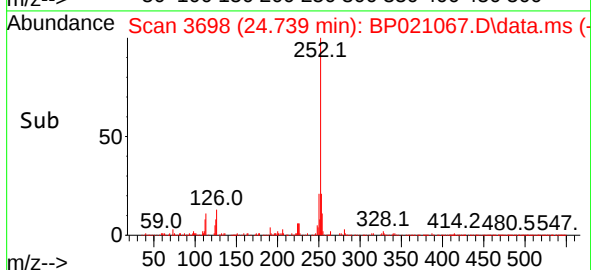
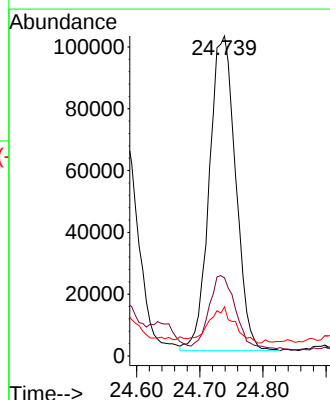
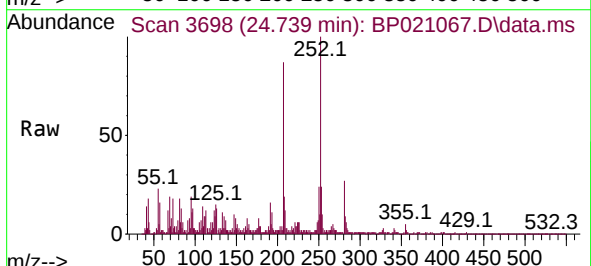
RT: 24.739 min Scan# 3698

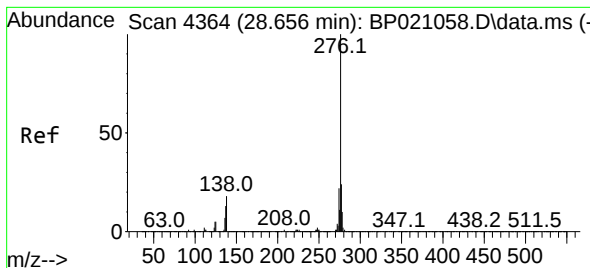
Delta R.T. -0.023 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Tgt Ion:	252	Resp:	294457
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.4	26.0
125	15.3	7.7	11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.857 ng/ul

RT: 28.662 min Scan# 4364

Delta R.T. -0.041 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

Instrument :

BNA_P

ClientSampleId :

A4CK1

Tgt Ion:276 Resp: 322286

Ion Ratio Lower Upper

276 100

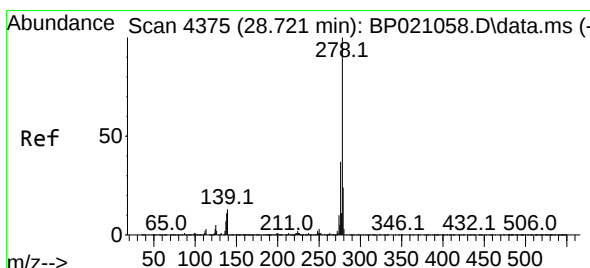
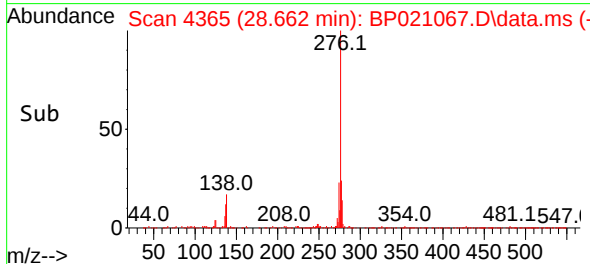
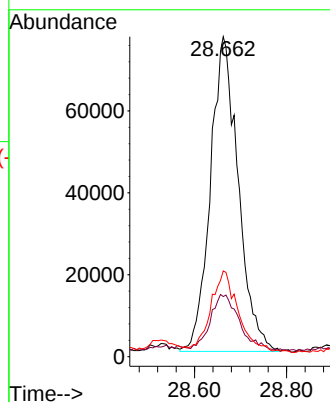
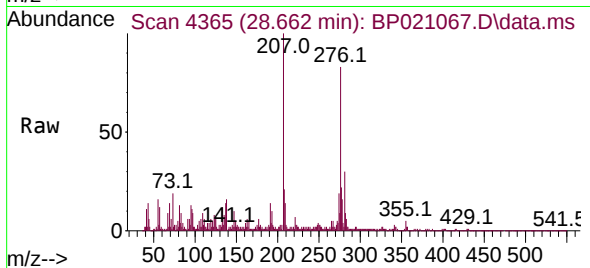
138 18.8 14.3 21.5

277 26.8 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.704 ng/ul m

RT: 28.698 min Scan# 4371

Delta R.T. -0.041 min

Lab File: BP021067.D

Acq: 19 Jul 2024 06:27

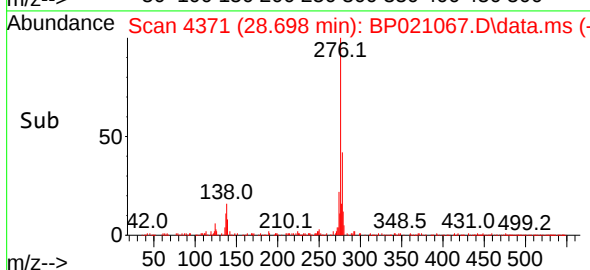
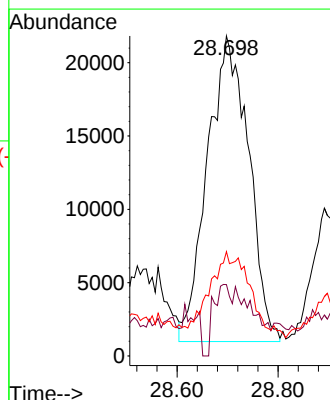
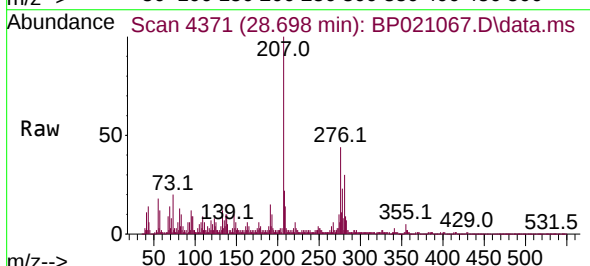
Tgt Ion:278 Resp: 117934

Ion Ratio Lower Upper

278 100

139 22.3 10.9 16.3#

279 32.6 19.4 29.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071824\
 Data File : BP021067.D
 Acq On : 19 Jul 2024 06:27
 Operator : MA/JU
 Sample : P3201-19
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4CK1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 19 07:17:09 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	7.693	152	149326	20.000	ng/u1	0.00
20) Naphthalene-d8	10.446	136	601182	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.298	164	396285	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.122	188	901426	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	902182	20.000	ng/u1	-0.01
88) Perylene-d12	24.898	264	1130856	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.234	96	13183	4.017	ng/uL	0.00
4) Pyridine-d5	3.670	84	12842m	1.352	ng/u1	0.01
7) Phenol-d5	6.905	99	277717	22.812	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	151452	20.528	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	228689	22.799	ng/u1	0.00
15) 4-Methylphenol-d8	8.416	113	222495	22.005	ng/u1	0.00
21) Nitrobenzene-d5	8.852	128	106121	22.727	ng/u1	0.00
24) 2-Nitrophenol-d4	9.546	143	123070	23.028	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.105	165	213855	22.129	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	51198	3.999	ng/u1	0.01
46) Dimethylphthalate-d6	13.716	166	637162	22.118	ng/u1	0.00
49) Acenaphthylene-d8	13.987	160	773560	23.914	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.604	143	102388	24.980	ng/u1	0.00
60) Fluorene-d10	15.322	176	586884	24.833	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	77104	14.137	ng/u1	0.00
73) Anthracene-d10	17.222	188	950365	23.737	ng/u1	0.00
81) Pyrene-d10	19.610	212	1055598	18.925	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.668	264	879317	15.766	ng/u1	-0.02
Target Compounds					Qvalue	
50) Acenaphthylene	14.028	152	68497	1.870	ng/u1	97
72) Phenanthrene	17.163	178	453791	9.704	ng/u1	99
74) Anthracene	17.257	178	119214	2.501	ng/u1	100
77) Carbazole	17.557	167	47228	1.212	ng/u1	98
78) Di-n-butylphthalate	18.116	149	57430	1.068	ng/u1	98
80) Fluoranthene	19.263	202	918171	13.631	ng/u1	99
82) Pyrene	19.639	202	713983	10.416	ng/u1	98
85) Benzo(a)anthracene	21.545	228	502984	7.959	ng/u1	98
87) Chrysene	21.616	228	559507	9.528	ng/u1	97
90) Benzo(b)fluoranthene	23.851	252	787122	11.470	ng/u1#	95
91) Benzo(k)fluoranthene	23.910	252	292430m	4.270	ng/u1	
93) Benzo(a)pyrene	24.739	252	294457	4.541	ng/u1#	91
94) Indeno(1,2,3-cd)pyrene	28.662	276	322286	3.857	ng/u1	96
95) Dibenzo(a,h)anthracene	28.698	278	117934m	1.704	ng/u1	

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