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 Data File : BP021071.D
 Acq On : 19 Jul 2024 09:17
 Operator : MA/JU
 Sample : P3215-03DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C00DL

Manual Integrations
 APPROVED

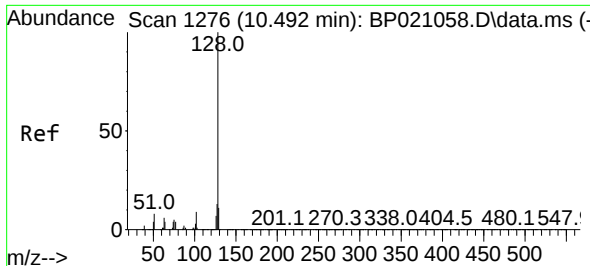
Reviewed By :Jagrut Upadhyay 07/19/2024
 Supervised By :mohammad ahmed 07/20/2024

Quant Time: Jul 19 09:48:11 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	161922	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.446	136	654629	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.316	164	430286	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.128	188	975053	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	1065035	20.000	ng/u1	-0.01
88) Perylene-d12	24.863	264	1324437	20.000	ng/u1	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	3162	0.889	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.905	99	55013	4.167	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	39086	4.886	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.240	132	51917	4.773	ng/u1	0.00
15) 4-Methylphenol-d8	8.428	113	8099m	0.739	ng/u1	0.01
21) Nitrobenzene-d5	8.846	128	25881	5.090	ng/u1	0.00
24) 2-Nitrophenol-d4	9.546	143	29254	5.027	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.116	165	44718m	4.249	ng/u1	0.01
31) 4-Chloroaniline-d4	10.628	131	18583m	1.333	ng/u1	0.03
46) Dimethylphthalate-d6	13.716	166	180657	5.776	ng/u1	0.00
49) Acenaphthylene-d8	14.004	160	204640	5.826	ng/u1	0.00
54) 4-Nitrophenol-d4	14.622	143	21083m	4.737	ng/u1	0.02
60) Fluorene-d10	15.322	176	171117	6.668	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.487	200	11209	1.900	ng/u1	0.00
73) Anthracene-d10	17.228	188	259157	5.984	ng/u1	0.00
81) Pyrene-d10	19.604	212	274277	4.166	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.657	264	191654	2.934	ng/u1	-0.03
Target Compounds					Qvalue	
30) Naphthalene	10.499	128	68247	1.982	ng/u1	98
52) Acenaphthene	14.375	153	67116	2.543	ng/u1	99
56) Dibenzofuran	14.716	168	76235	2.109	ng/u1	99
61) Fluorene	15.381	166	98499	3.340	ng/u1	96
72) Phenanthrene	17.175	178	1670527	33.026	ng/u1	100
74) Anthracene	17.263	178	361577	7.012	ng/u1	100
77) Carbazole	17.551	167	178687	4.239	ng/u1	98
80) Fluoranthene	19.257	202	2373567	29.850	ng/u1	99
82) Pyrene	19.633	202	1299243	16.057	ng/u1	99
85) Benzo(a)anthracene	21.551	228	962004	12.894	ng/u1	98
87) Chrysene	21.610	228	891478	12.859	ng/u1	98
90) Benzo(b)fluoranthene	23.833	252	1135362	14.126	ng/u1	98
91) Benzo(k)fluoranthene	23.886	252	427607m	5.331	ng/u1	
93) Benzo(a)pyrene	24.721	252	301535	3.970	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	28.639	276	336105m	3.434	ng/u1	
95) Dibenzo(a,h)anthracene	28.674	278	141346m	1.744	ng/u1	

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



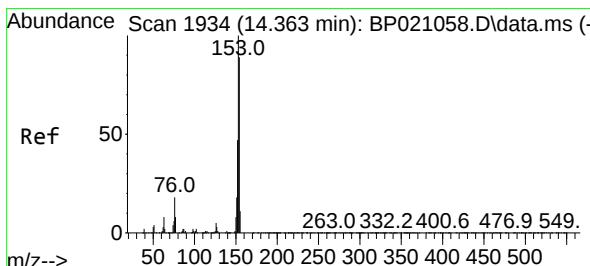
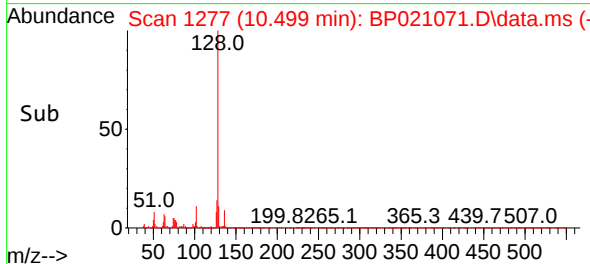
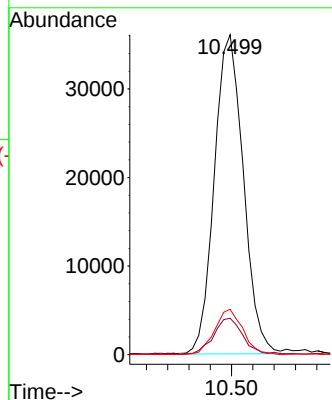
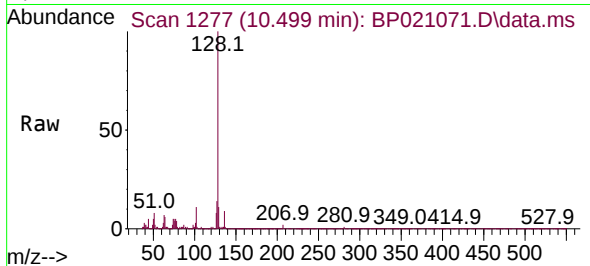
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Naphthalene
Concen: 1.982 ng/ul
RT: 10.499 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BP021071.D
Acq: 19 Jul 2024 09:17

Instrument :
BNA_P
ClientSampleId :
A4C00DL

Tgt Ion:128 Resp: 6824
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 14.2 10.8 16.2

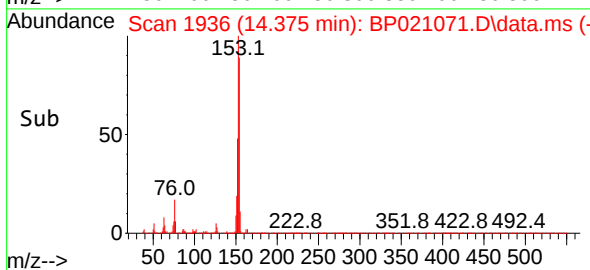
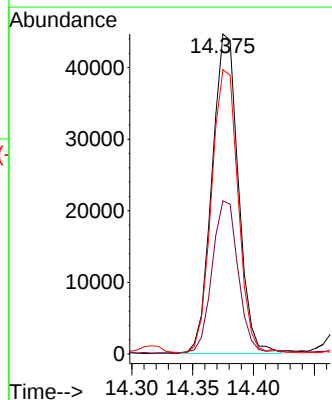
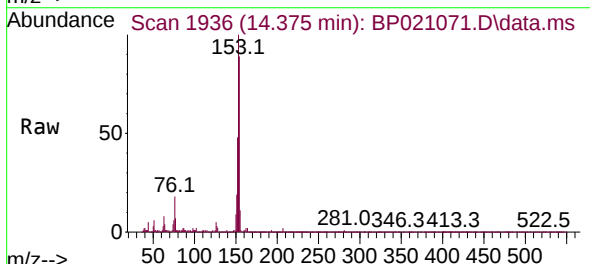
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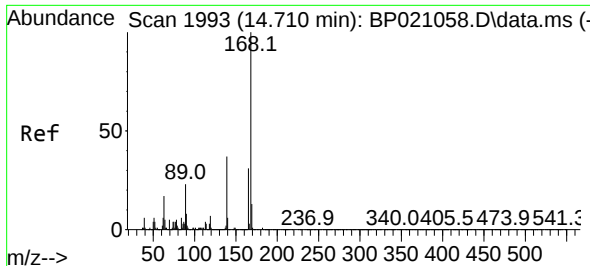
Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#52
Acenaphthene
Concen: 2.543 ng/ul
RT: 14.375 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BP021071.D
Acq: 19 Jul 2024 09:17

Tgt Ion:153 Resp: 67116
Ion Ratio Lower Upper
153 100
152 47.9 37.8 56.6
154 88.9 71.8 107.6





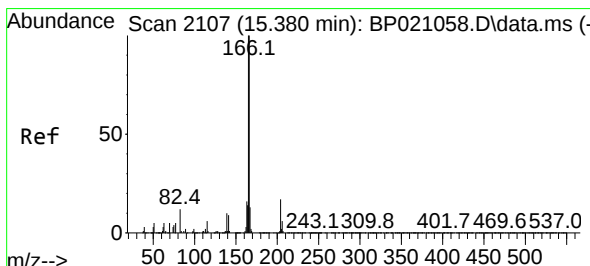
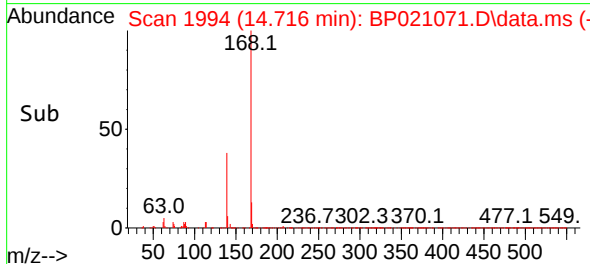
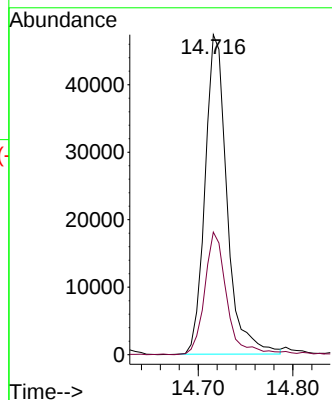
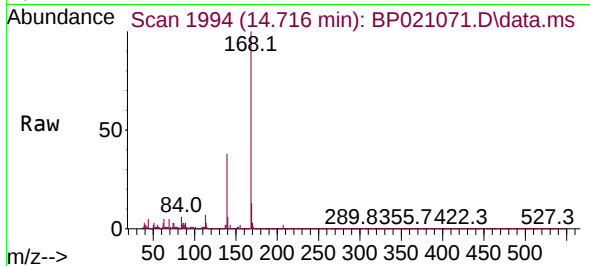
#56
Dibenzenofuran
Concen: 2.109 ng/ul
RT: 14.716 min Scan# 1993
Delta R.T. 0.000 min
Lab File: BP021071.D
Acq: 19 Jul 2024 09:17

Instrument :
BNA_P
ClientSampleId :
A4C00DL

Tgt Ion:168 Resp: 76235
Ion Ratio Lower Upper
168 100
139 38.3 31.1 46.7

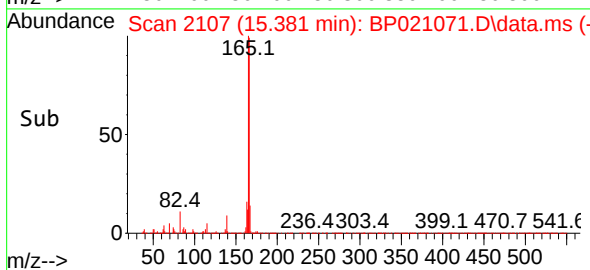
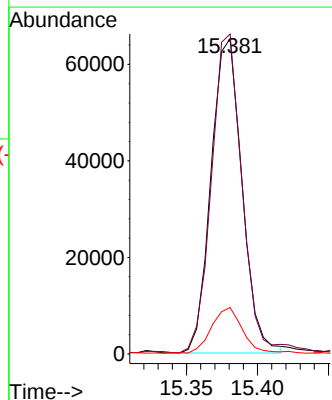
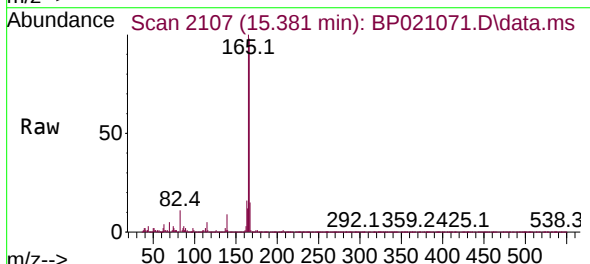
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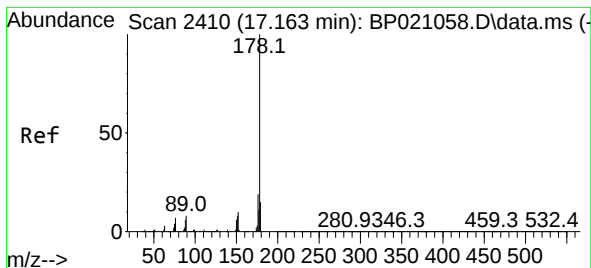
Reviewed By :Jagrut Upadhyay 07/19/2024
Supervised By :mohammad ahmed 07/20/2024



#61
Fluorene
Concen: 3.340 ng/ul
RT: 15.381 min Scan# 2107
Delta R.T. 0.000 min
Lab File: BP021071.D
Acq: 19 Jul 2024 09:17

Tgt Ion:166 Resp: 98499
Ion Ratio Lower Upper
166 100
165 101.5 78.1 117.1
167 14.7 10.9 16.3





#72

Phenanthrene

Concen: 33.026 ng/ul

RT: 17.175 min Scan# 2410

Delta R.T. 0.006 min

Lab File: BP021071.D

Acq: 19 Jul 2024 09:17

Instrument :

BNA_P

ClientSampleId :

A4C00DL

Tgt Ion:178 Resp: 167052

Ion Ratio Lower Upper

178 100

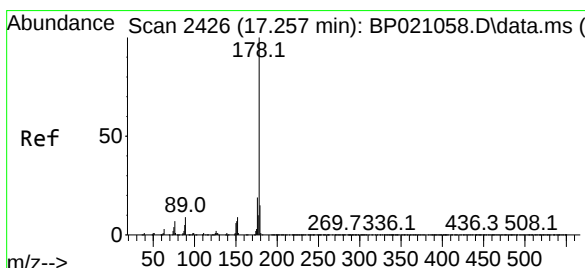
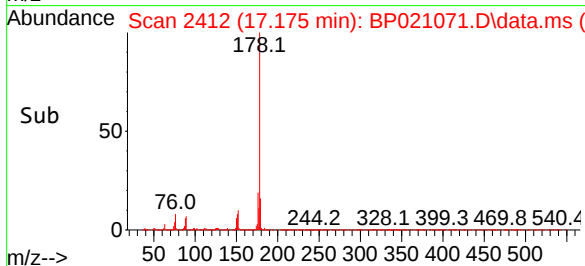
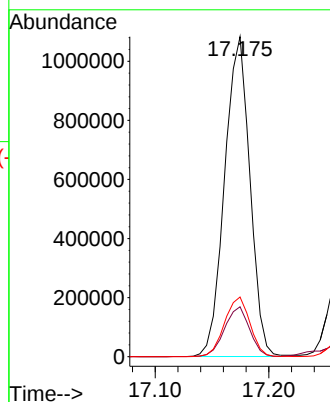
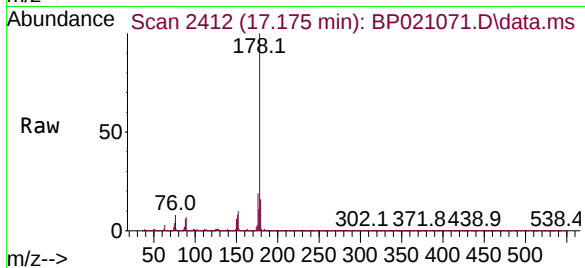
179 15.6 12.2 18.4

176 18.7 15.0 22.4

Manual Integrations

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Supervised By :mohammad ahmed 07/20/2024



#74

Anthracene

Concen: 7.012 ng/ul

RT: 17.263 min Scan# 2427

Delta R.T. 0.000 min

Lab File: BP021071.D

Acq: 19 Jul 2024 09:17

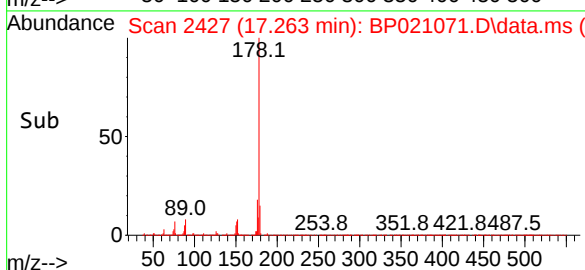
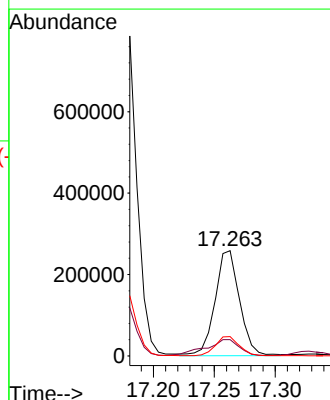
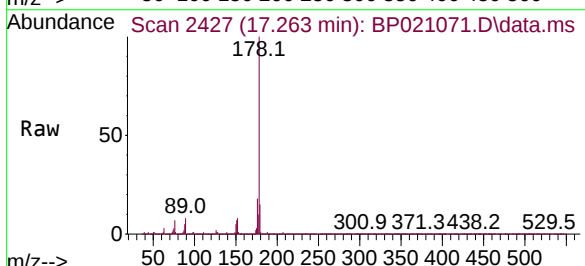
Tgt Ion:178 Resp: 361577

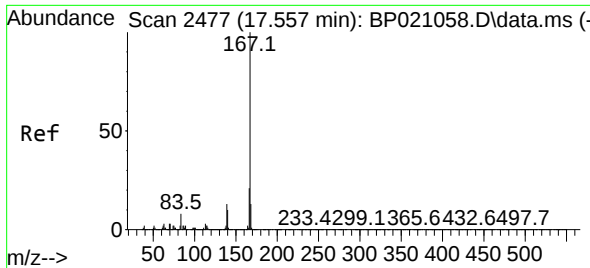
Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

176 18.3 14.8 22.2





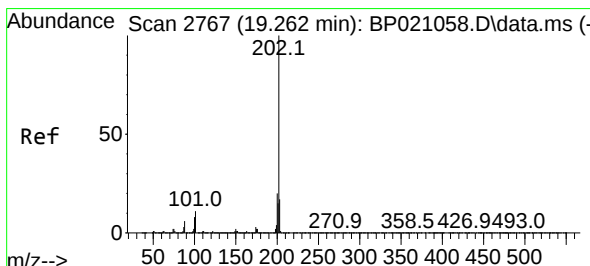
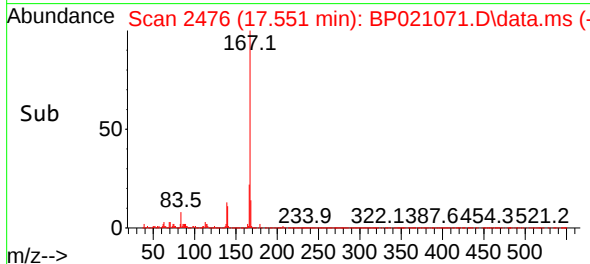
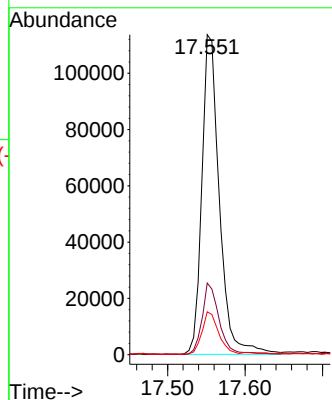
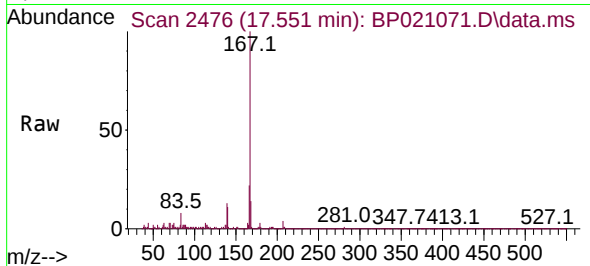
#77
 Carbazole
 Concen: 4.239 ng/ul
 RT: 17.551 min Scan# 2477
 Delta R.T. -0.012 min
 Lab File: BP021071.D
 Acq: 19 Jul 2024 09:17

Instrument :
 BNA_P
 ClientSampleId :
 A4C00DL

Tgt Ion:167 Resp: 17868
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.3 25.9
 139 13.4 10.2 15.2

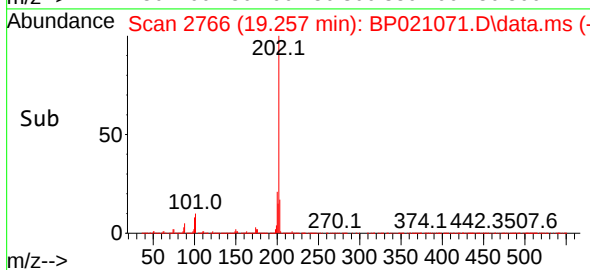
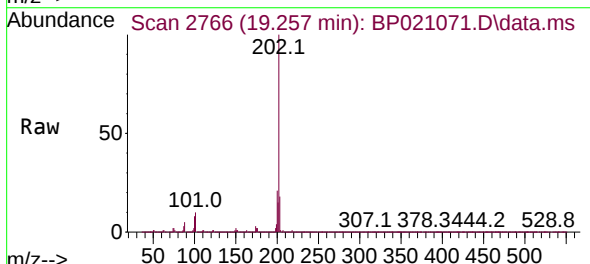
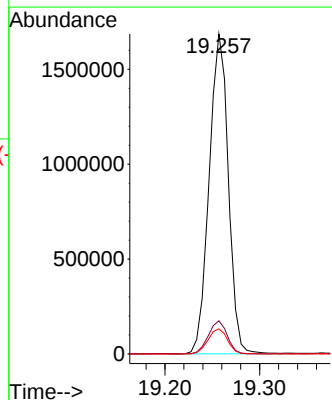
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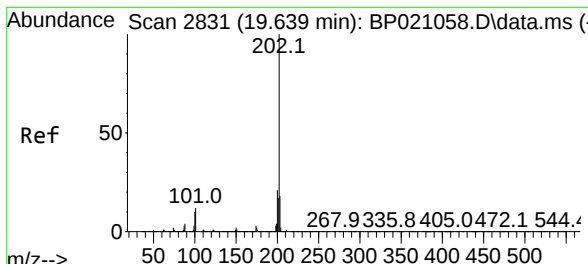
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 Supervised By :mohammad ahmed 07/20/2024



#80
 Fluoranthene
 Concen: 29.850 ng/ul
 RT: 19.257 min Scan# 2766
 Delta R.T. -0.006 min
 Lab File: BP021071.D
 Acq: 19 Jul 2024 09:17

Tgt Ion:202 Resp: 2373567
 Ion Ratio Lower Upper
 202 100
 101 10.3 8.0 12.0
 100 7.9 6.1 9.1





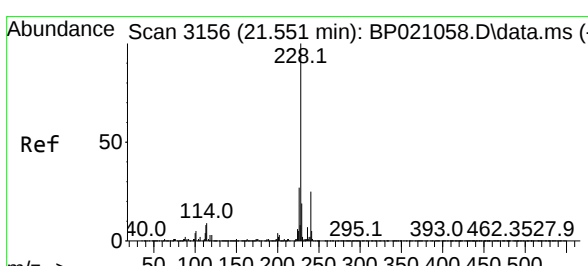
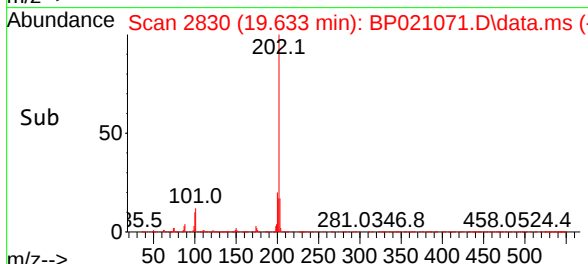
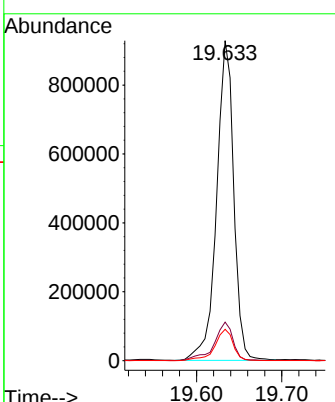
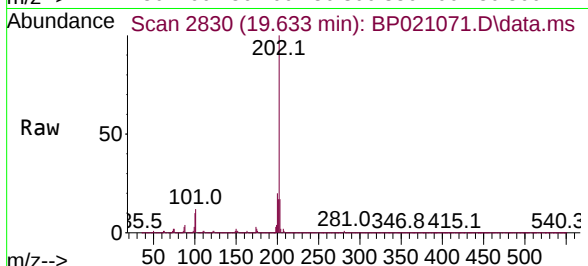
#82
 Pyrene
 Concen: 16.057 ng/ul
 RT: 19.633 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP021071.D
 Acq: 19 Jul 2024 09:17

Instrument : BNA_P
 ClientSampleId : A4C00DL

Tgt Ion: 202 Resp: 129924

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.4	14.2
100	9.8	7.8	11.6

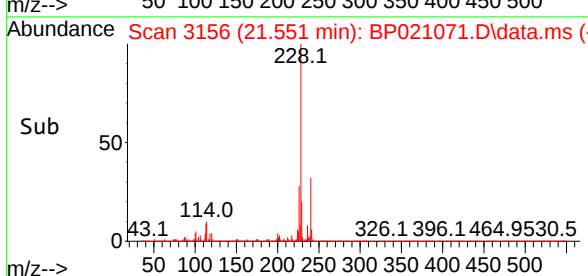
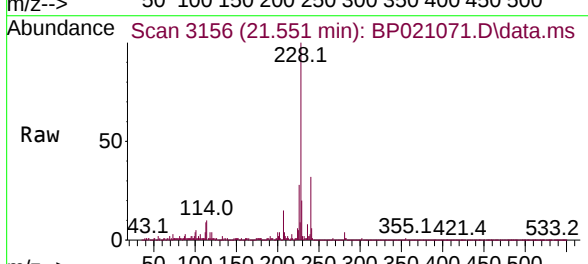
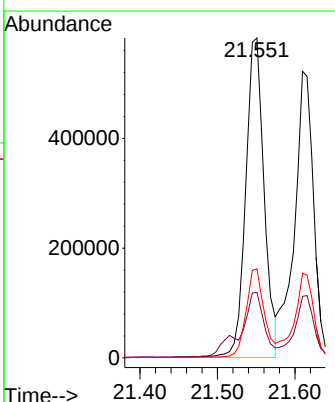
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 Supervised By :mohammad ahmed 07/20/2024

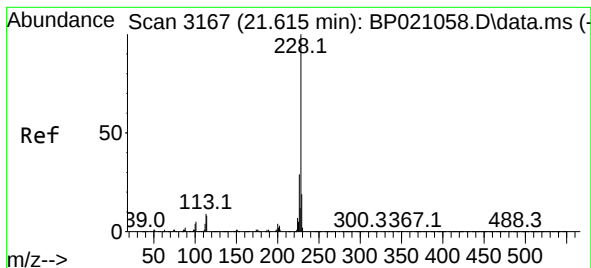


#85
 Benzo(a)anthracene
 Concen: 12.894 ng/ul
 RT: 21.551 min Scan# 3156
 Delta R.T. -0.012 min
 Lab File: BP021071.D
 Acq: 19 Jul 2024 09:17

Tgt Ion: 228 Resp: 962004

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.5	23.3
226	27.9	21.4	32.2





#87

Chrysene

Concen: 12.859 ng/ul

RT: 21.610 min Scan# 3167

Delta R.T. -0.018 min

Lab File: BP021071.D

Acq: 19 Jul 2024 09:17

Instrument :

BNA_P

ClientSampleId :

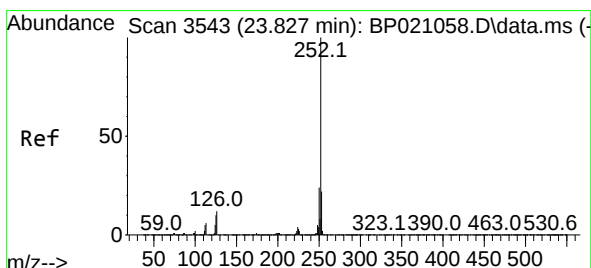
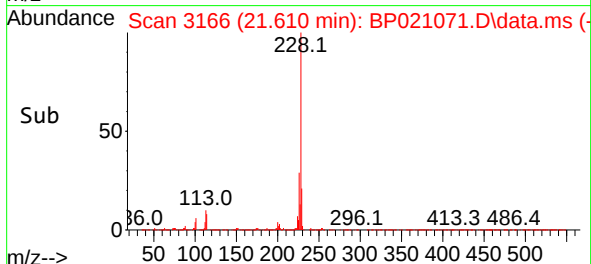
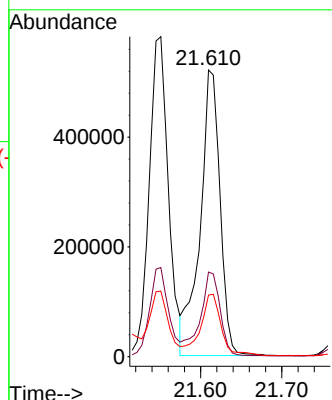
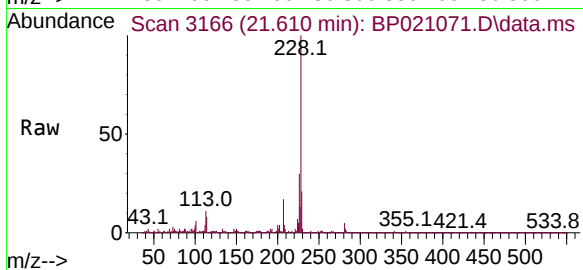
A4C00DL

Tgt Ion:	228	Resp:	891478
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.6	35.4
229	21.5	15.5	23.3

Manual Integrations

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



#90

Benzo(b)fluoranthene

Concen: 14.126 ng/ul

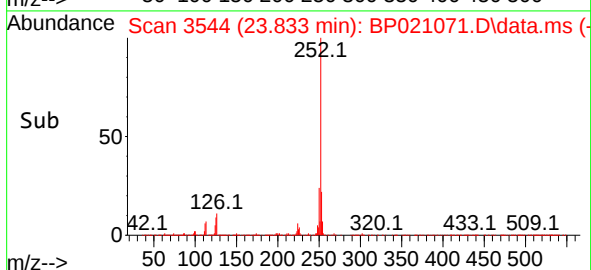
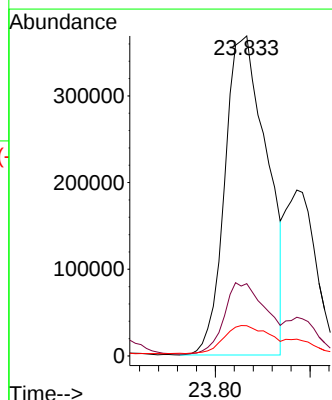
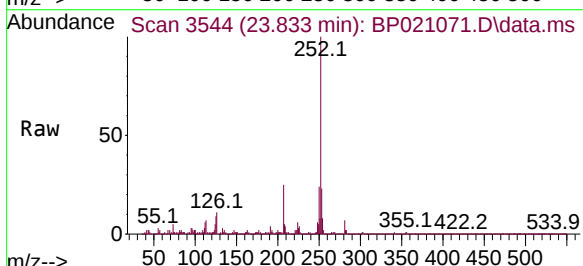
RT: 23.833 min Scan# 3544

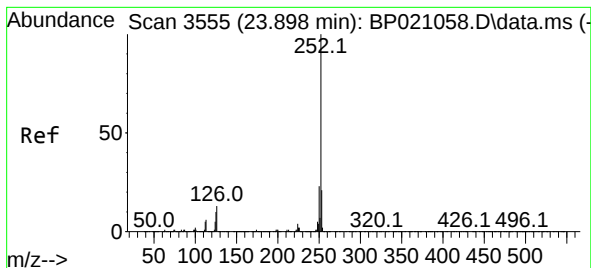
Delta R.T. -0.018 min

Lab File: BP021071.D

Acq: 19 Jul 2024 09:17

Tgt Ion:	252	Resp:	1135362
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.1	25.7
125	9.5	7.0	10.4





#91

Benzo(k)fluoranthene

Concen: 5.331 ng/ul m

RT: 23.886 min Scan# 3

Delta R.T. -0.035 min

Lab File: BP021071.D

Acq: 19 Jul 2024 09:17

Instrument :

BNA_P

ClientSampleId :

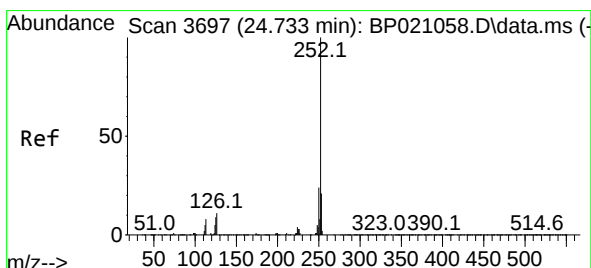
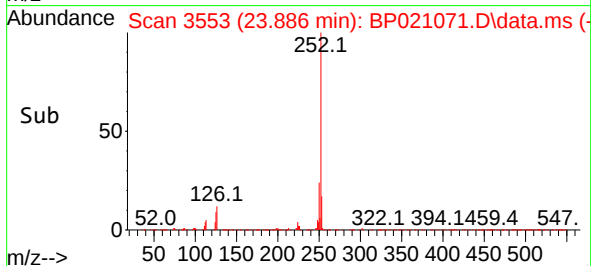
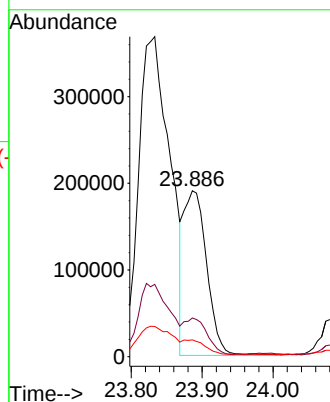
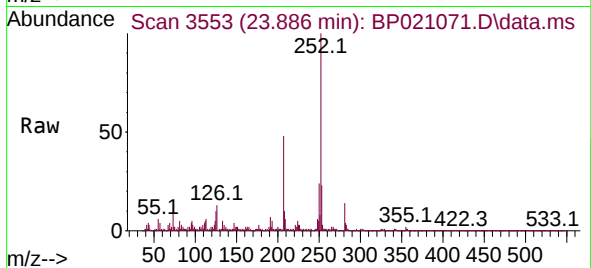
A4C00DL

Tgt Ion:	252	Resp:	42760
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	10.1	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: 3.970 ng/ul

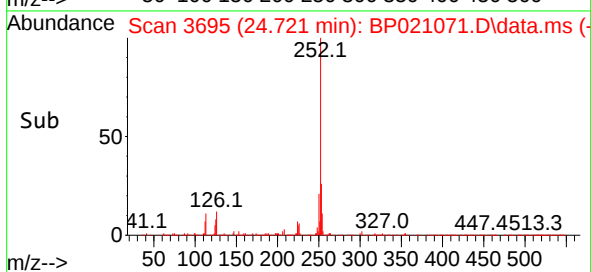
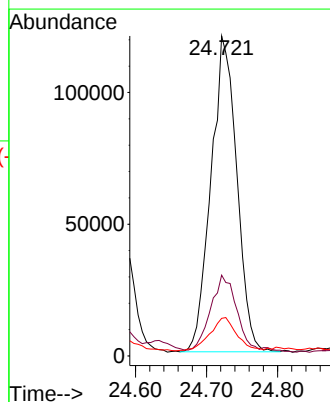
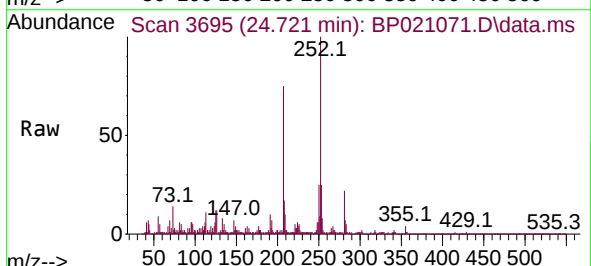
RT: 24.721 min Scan# 3695

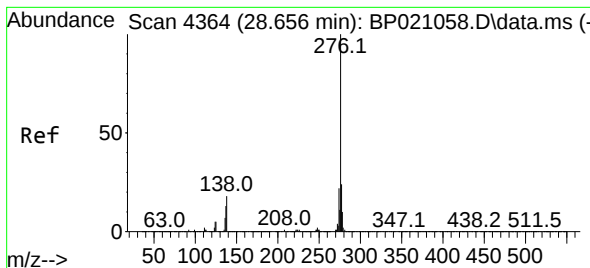
Delta R.T. -0.041 min

Lab File: BP021071.D

Acq: 19 Jul 2024 09:17

Tgt Ion:	252	Resp:	301535
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.4	26.0
125	11.8	7.7	11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.434 ng/ul m

RT: 28.639 min Scan# 4361

Delta R.T. -0.065 min

Lab File: BP021071.D

Acq: 19 Jul 2024 09:17

Instrument :

BNA_P

ClientSampleId :

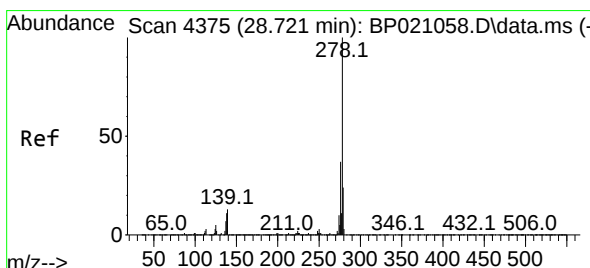
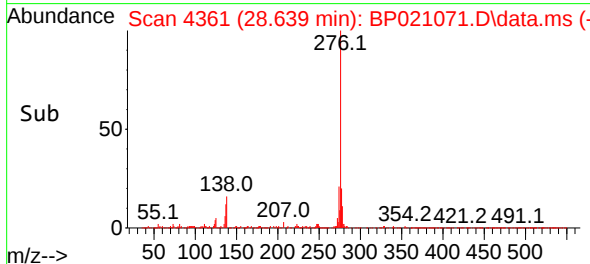
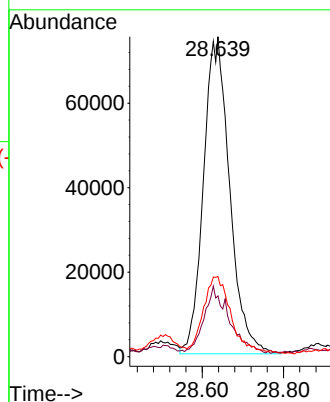
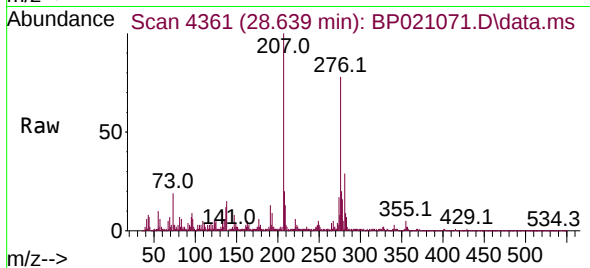
A4C00DL

Tgt Ion:276 Resp: 33610
 Ion Ratio Lower Upper
 276 100
 138 19.0 14.3 21.5
 277 25.1 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: 1.744 ng/ul m

RT: 28.674 min Scan# 4367

Delta R.T. -0.065 min

Lab File: BP021071.D

Acq: 19 Jul 2024 09:17

Tgt Ion:278 Resp: 141346
 Ion Ratio Lower Upper
 278 100
 139 18.2 10.9 16.3#
 279 30.5 19.4 29.0#

