

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110723\  
 Data File : BP017980.D  
 Acq On : 09 Nov 2023 01:55  
 Operator : MA/JU  
 Sample : 05060-20  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

**Instrument :**  
 BNA\_P  
**ClientSampleId :**  
 DCKH8

Quant Time: Nov 09 02:26:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP110623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Nov 07 03:40:56 2023  
 Response via : Initial Calibration

**Manual Integrations**  
**APPROVED**  
 Reviewed By :Yogesh Patel 11/09/2023  
 Supervised By :mohammad ahmed 11/11/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) 1,4-Dichlorobenzene-d4	7.852	152	82069	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.663	136	342147	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.516	164	209986	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.287	188	465107	20.000	ng/ul	-0.01
79) Chrysene-d12	21.404	240	414971	20.000	ng/ul	-0.01
88) Perylene-d12	23.886	264	457012	20.000	ng/ul	-0.01
<b>System Monitoring Compounds</b>						
3) 1,4-Dioxane-d8	3.246	96	3629	1.692	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.022	99	68831	8.944	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.205	67	48930	10.540	ng/ul	0.00
11) 2-Chlorophenol-d4	7.375	132	60602	10.248	ng/ul	-0.01
15) 4-Methylphenol-d8	8.581	113	26220	4.122	ng/ul	0.00
21) Nitrobenzene-d5	9.058	128	31305	11.449	ng/ul	0.00
24) 2-Nitrophenol-d4	9.769	143	31487	9.998	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.299	165	53002	9.180	ng/ul	0.00
31) 4-Chloroaniline-d4	10.863	131	22131m	2.645	ng/ul	0.01
46) Dimethylphthalate-d6	13.934	166	214038	11.624	ng/ul	-0.01
49) Acenaphthylene-d8	14.216	160	234430	11.603	ng/ul	0.00
54) 4-Nitrophenol-d4	14.804	143	12413m	4.385	ng/ul	0.03
60) Fluorene-d10	15.516	176	191209	12.407	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.669	200	13473	3.961	ng/ul	0.00
73) Anthracene-d10	17.387	188	277170	11.462	ng/ul	-0.01
81) Pyrene-d10	19.639	212	374154	14.204	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.722	264	328440	12.862	ng/ul	-0.01
<b>Target Compounds</b>						
						Qvalue
72) Phenanthrene	17.328	178	30106	1.101	ng/ul	98
74) Anthracene	17.428	178	58292	2.097	ng/ul	98
80) Fluoranthene	19.310	202	158862	5.167	ng/ul	99
82) Pyrene	19.663	202	168591	5.258	ng/ul	100
85) Benzo(a)anthracene	21.386	228	75819	2.372	ng/ul	98
87) Chrysene	21.445	228	135186m	4.562	ng/ul	
90) Benzo(b)fluoranthene	23.116	252	224155	7.106	ng/ul	98
91) Benzo(k)fluoranthene	23.169	252	67785m	2.143	ng/ul	
93) Benzo(a)pyrene	23.774	252	69489	2.370	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.510	276	90973	2.605	ng/ul	100
96) Benzo(g,h,i)perylene	27.333	276	99610	3.583	ng/ul	98

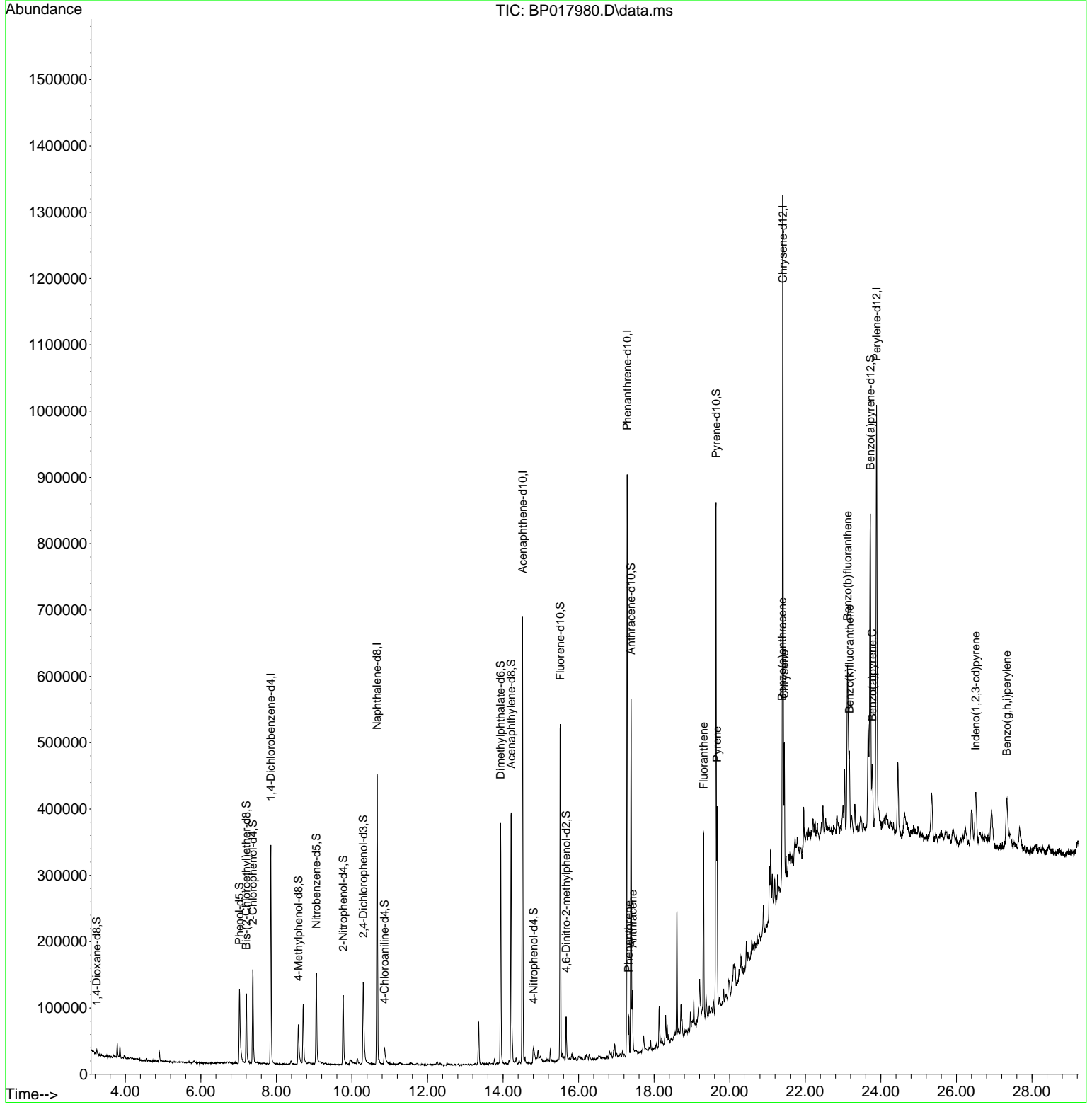
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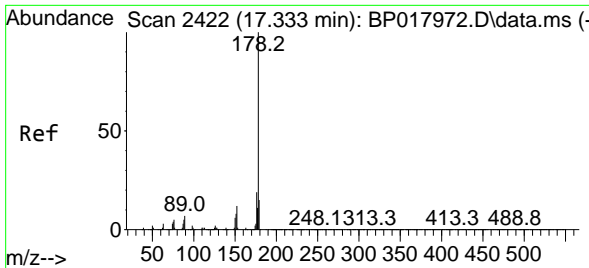
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110723\  
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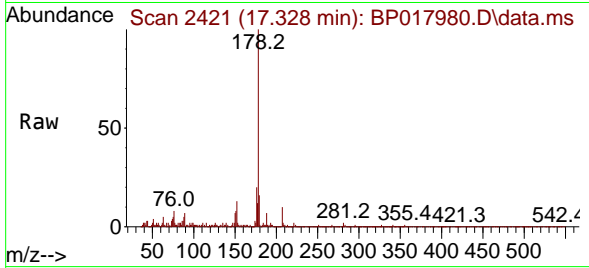
#72  
 Phenanthrene  
 Concen: 1.101 ng/u1  
 RT: 17.328 min Scan# 2421  
 Delta R.T. -0.012 min  
 Lab File: BP017980.D  
 Acq: 09 Nov 2023 01:55

Instrument :

BNA\_P

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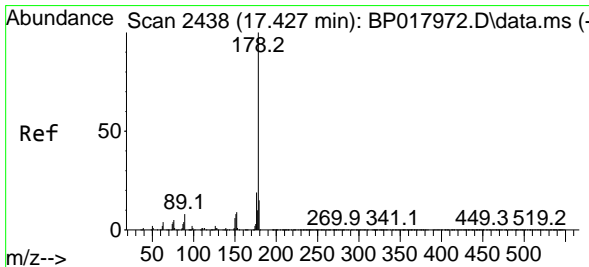
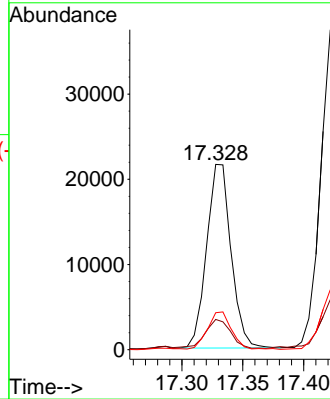
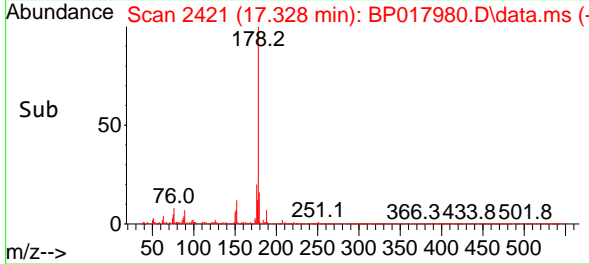
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 Ion Ratio Lower Upper  
 178 100  
 179 16.4 12.3 18.5  
 176 20.0 15.2 22.8

Manual Integrations

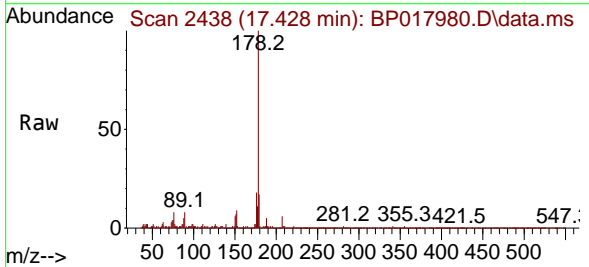
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Reviewed By :Yogesh Patel 11/09/2023

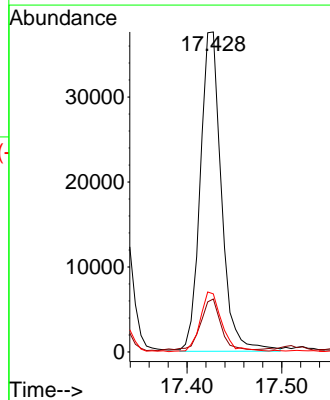
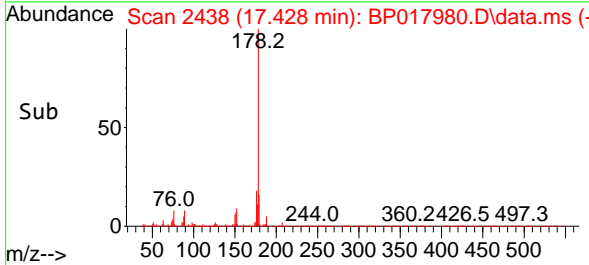
Supervised By :mohammad ahmed 11/11/2023

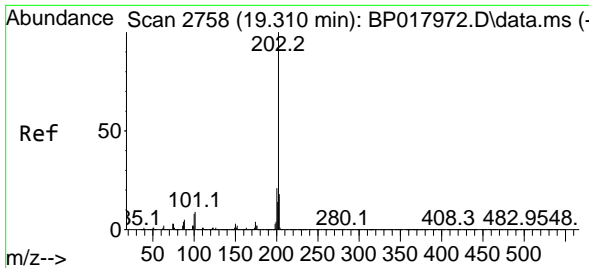


#74  
 Anthracene  
 Concen: 2.097 ng/u1  
 RT: 17.428 min Scan# 2438  
 Delta R.T. -0.006 min  
 Lab File: BP017980.D  
 Acq: 09 Nov 2023 01:55



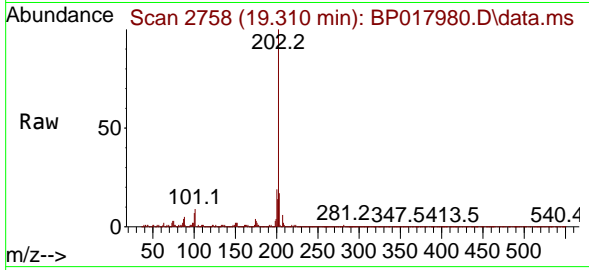
Tgt Ion:178 Resp: 58292  
 Ion Ratio Lower Upper  
 178 100  
 179 16.5 12.5 18.7  
 176 18.2 14.9 22.3





#80  
 Fluoranthene  
 Concen: 5.167 ng/u1  
 RT: 19.310 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BP017980.D  
 Acq: 09 Nov 2023 01:55

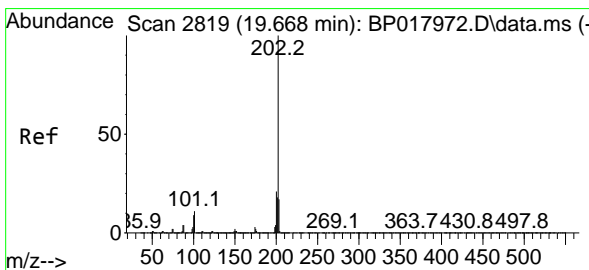
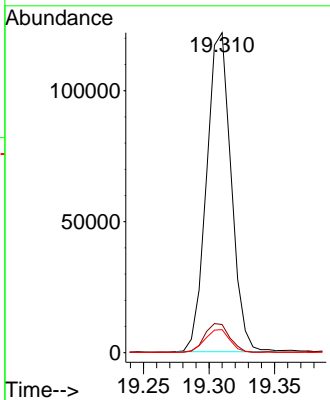
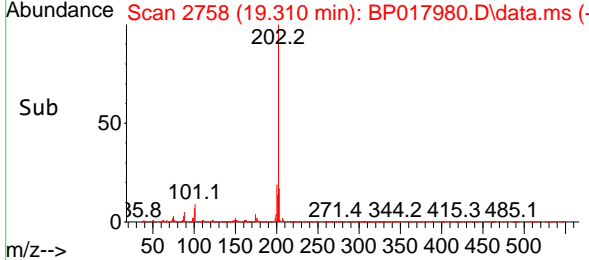
Instrument : BNA\_P  
 Client Sample Id : DCKH8



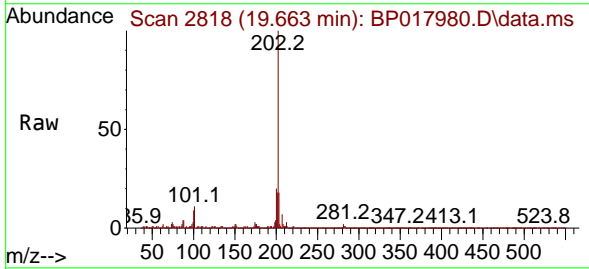
Tgt Ion: 202 Resp: 15886  
 Ion Ratio Lower Upper  
 202 100  
 101 8.8 7.1 10.7  
 100 7.2 5.3 7.9

Manual Integrations  
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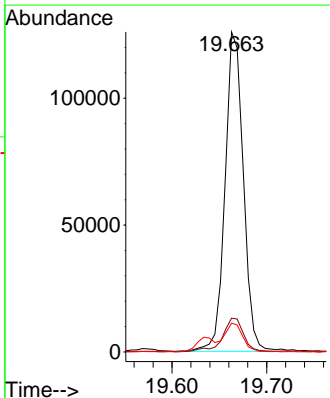
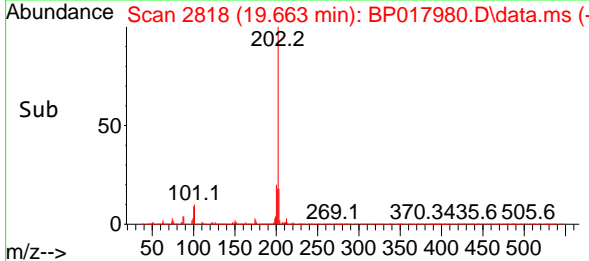
Reviewed By :Yogesh Patel 11/09/2023  
 Supervised By :mohammad ahmed 11/11/2023

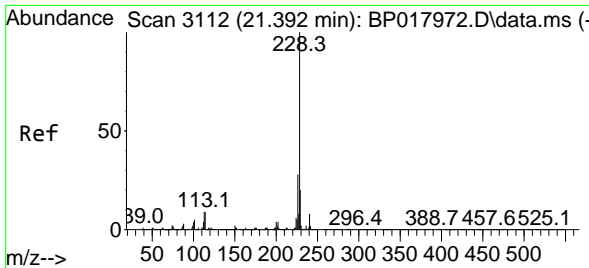


#82  
 Pyrene  
 Concen: 5.258 ng/u1  
 RT: 19.663 min Scan# 2818  
 Delta R.T. -0.012 min  
 Lab File: BP017980.D  
 Acq: 09 Nov 2023 01:55



Tgt Ion: 202 Resp: 168591  
 Ion Ratio Lower Upper  
 202 100  
 101 10.6 8.6 12.8  
 100 9.0 7.3 10.9





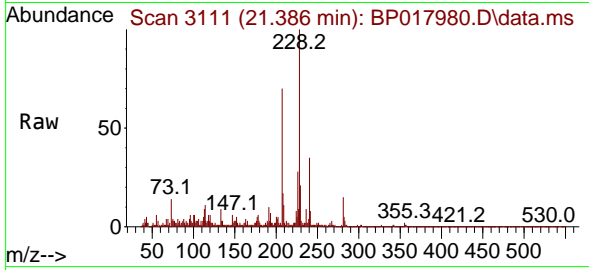
#85  
 Benzo(a)anthracene  
 Concen: 2.372 ng/u1  
 RT: 21.386 min Scan# 3111  
 Delta R.T. -0.012 min  
 Lab File: BP017980.D  
 Acq: 09 Nov 2023 01:55

Instrument :

BNA\_P

ClientSampleId :

DCKH8



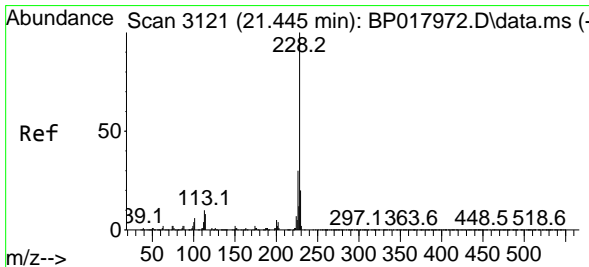
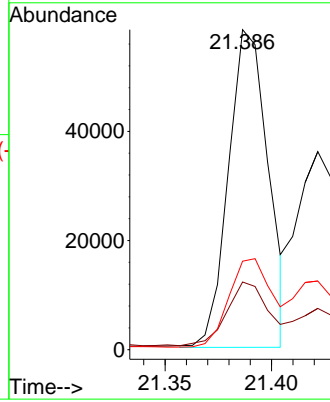
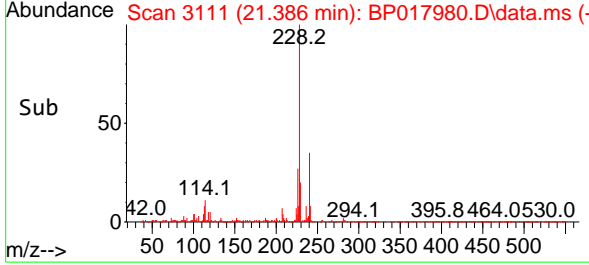
Tgt Ion:228 Resp: 75819  
 Ion Ratio Lower Upper  
 228 100  
 229 21.1 15.4 23.2  
 226 27.7 21.6 32.4

Manual Integrations

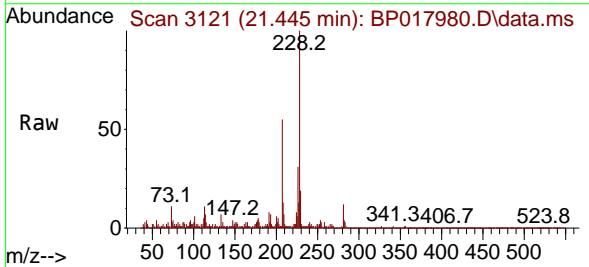
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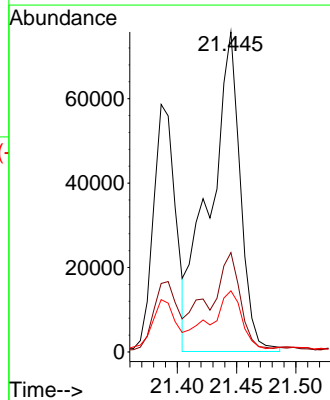
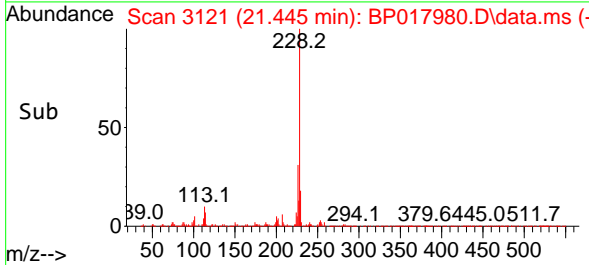
Supervised By :mohammad ahmed 11/11/2023

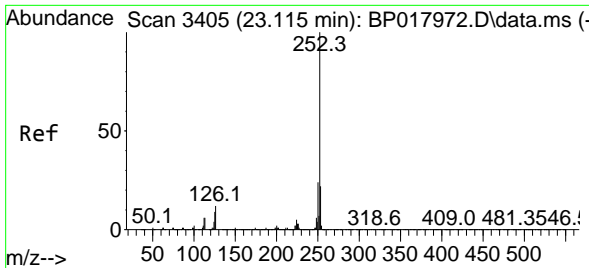


#87  
 Chrysene  
 Concen: 4.562 ng/u1 m  
 RT: 21.445 min Scan# 3121  
 Delta R.T. -0.006 min  
 Lab File: BP017980.D  
 Acq: 09 Nov 2023 01:55



Tgt Ion:228 Resp: 135186  
 Ion Ratio Lower Upper  
 228 100  
 226 31.0 23.9 35.9  
 229 19.1 16.1 24.1





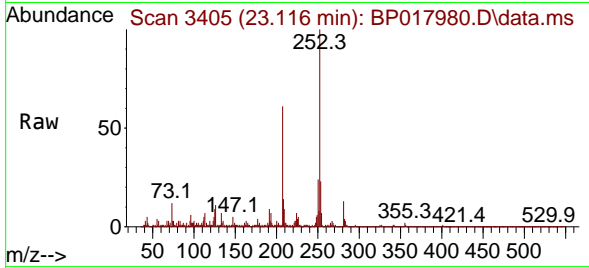
#90  
 Benzo(b)fluoranthene  
 Concen: 7.106 ng/ul  
 RT: 23.116 min Scan# 3405  
 Delta R.T. -0.012 min  
 Lab File: BP017980.D  
 Acq: 09 Nov 2023 01:55

Instrument :

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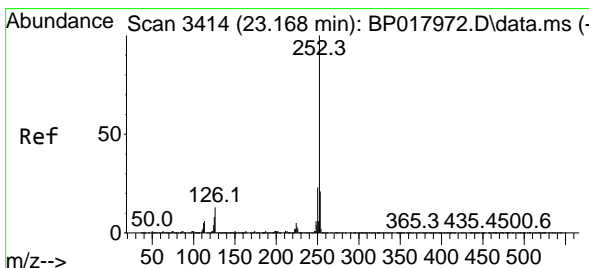
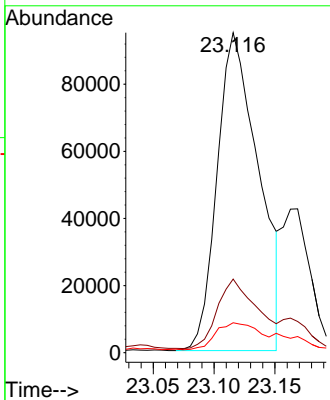
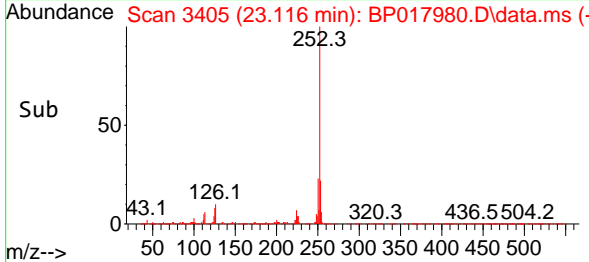


Tgt Ion: 252 Resp: 22415  
 Ion Ratio Lower Upper  
 252 100  
 253 23.0 17.9 26.9  
 125 9.3 6.6 10.0

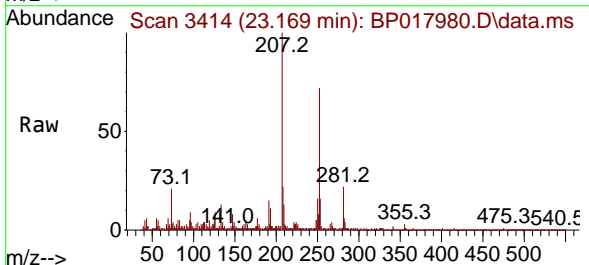
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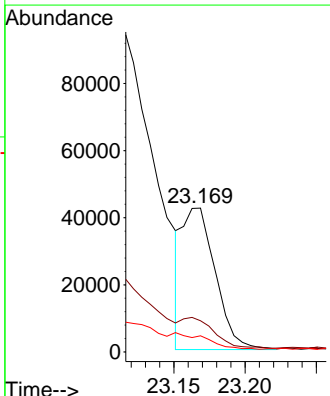
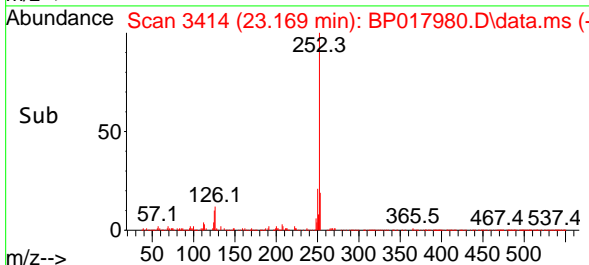
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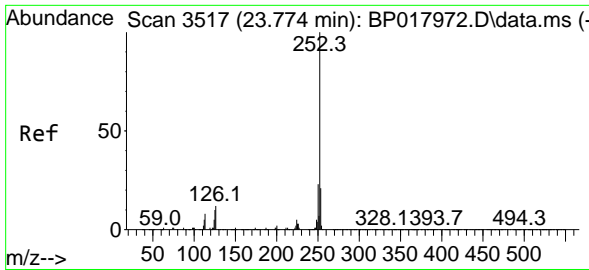


#91  
 Benzo(k)fluoranthene  
 Concen: 2.143 ng/ul m  
 RT: 23.169 min Scan# 3414  
 Delta R.T. -0.006 min  
 Lab File: BP017980.D  
 Acq: 09 Nov 2023 01:55



Tgt Ion: 252 Resp: 67785  
 Ion Ratio Lower Upper  
 252 100  
 253 21.7 17.2 25.8  
 125 11.2 7.0 10.6#





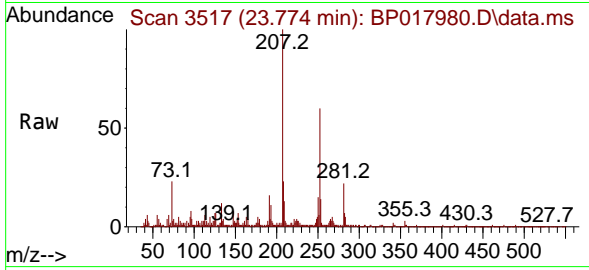
#93  
 Benzo(a)pyrene  
 Concen: 2.370 ng/u1  
 RT: 23.774 min Scan# 3517  
 Delta R.T. -0.006 min  
 Lab File: BP017980.D  
 Acq: 09 Nov 2023 01:55

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BNA\_P

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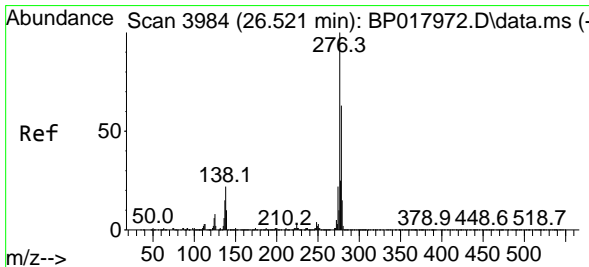
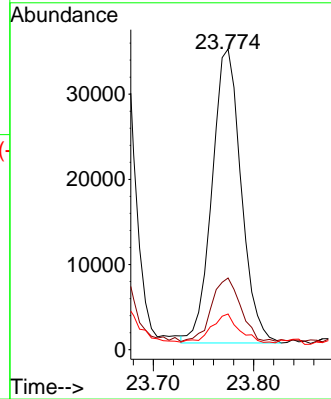
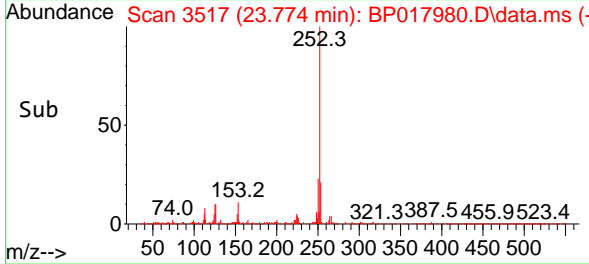
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 Ion Ratio Lower Upper  
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 253 23.8 17.3 25.9  
 125 11.9 7.5 11.3

Manual Integrations

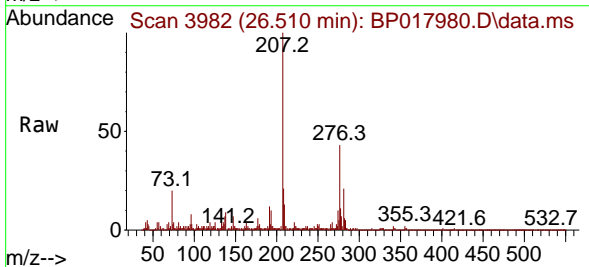
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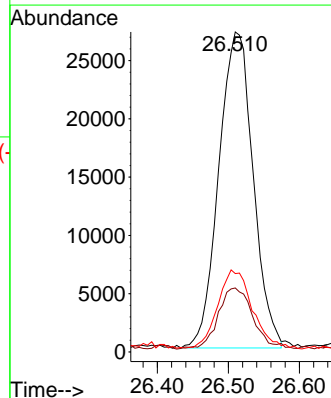
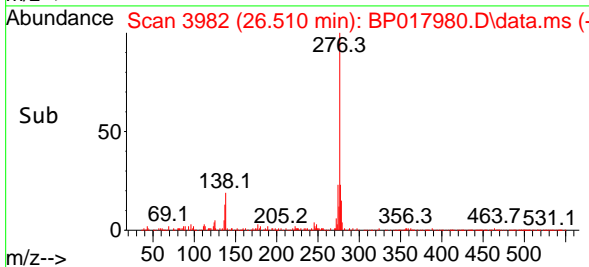
Supervised By : mohammad ahmed 11/11/2023

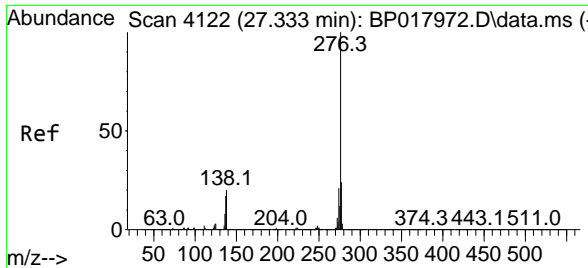


#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.605 ng/u1  
 RT: 26.510 min Scan# 3982  
 Delta R.T. -0.017 min  
 Lab File: BP017980.D  
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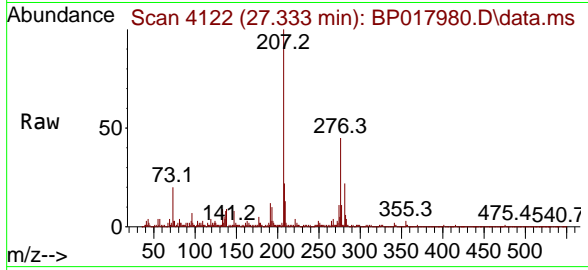
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 Ion Ratio Lower Upper  
 276 100  
 138 20.0 15.9 23.9  
 277 24.5 19.5 29.3





#96  
 Benzo(g,h,i)perylene  
 Concen: 3.583 ng/ul  
 RT: 27.333 min Scan# 41  
 Delta R.T. -0.017 min  
 Lab File: BP017980.D  
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Tgt Ion: 276 Resp: 99610  
 Ion Ratio Lower Upper  
 276 100  
 138 19.5 14.7 22.1  
 277 24.4 19.2 28.8

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