

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051122\  
 Data File : BP010331.D  
 Acq On : 12 May 2022 19:42  
 Operator : CG/JU  
 Sample : N2746-04  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

**Instrument :**  
 BNA\_P  
**ClientSampleId :**  
 DBSL0

**Manual Integrations**  
**APPROVED**  
 Reviewed By :Jagrut Upadhyay 05/17/2022  
 Supervised By :mohammad ahmed 05/18/2022

Quant Time: May 17 01:04:46 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051022.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 12 01:10:15 2022  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) 1,4-Dichlorobenzene-d4	7.905	152	151759	20.000	ng/ul	0.00
20) Naphthalene-d8	10.704	136	661709	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.534	164	455487	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.287	188	1008835	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.369	240	1020232	20.000	ng/ul	# 0.00
88) Perylene-d12	23.798	264	901113	20.000	ng/ul	-0.02
<b>System Monitoring Compounds</b>						
3) 1,4-Dioxane-d8	3.352	96	10556m	2.955	ng/uL	0.00
4) Pyridine-d5	3.799	84	11198m	1.126	ng/ul	0.03
7) Phenol-d5	7.069	99	216936	15.391	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.228	67	151761	17.405	ng/ul	0.00
11) 2-Chlorophenol-d4	7.434	132	174831	16.842	ng/ul	0.00
15) 4-Methylphenol-d8	8.611	113	189050	16.314	ng/ul	0.00
21) Nitrobenzene-d5	9.063	128	89976	16.958	ng/ul	0.00
24) 2-Nitrophenol-d4	9.787	143	96378	15.932	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.328	165	180453	16.389	ng/ul	0.00
31) 4-Chloroaniline-d4	10.840	131	186807	11.492	ng/ul	0.00
46) Dimethylphthalate-d6	13.940	166	662380	18.254	ng/ul	-0.01
49) Acenaphthylene-d8	14.228	160	730231	16.879	ng/ul	0.00
54) 4-Nitrophenol-d4	14.734	143	87492m	12.570	ng/ul	0.00
60) Fluorene-d10	15.528	176	590024	19.263	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.651	200	56407	8.165	ng/ul	0.00
73) Anthracene-d10	17.387	188	930706	18.839	ng/ul	0.00
81) Pyrene-d10	19.616	212	1022003	18.127	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.639	264	676773	14.083	ng/ul	-0.02
<b>Target Compounds</b>						
30) Naphthalene	10.752	128	151609	4.294	ng/ul	95
36) 2-Methylnaphthalene	12.363	142	47335	1.894	ng/ul	88
37) 1-Methylnaphthalene	12.581	142	94155	3.705	ng/ul#	95
50) Acenaphthylene	14.257	152	367132	8.483	ng/ul	96
52) Acenaphthene	14.598	153	586751	20.943	ng/ul	97
61) Fluorene	15.581	166	858389	25.279	ng/ul	93
72) Phenanthrene	17.339	178	9346958	168.044	ng/ul	98
74) Anthracene	17.422	178	2709760	48.034	ng/ul	98
80) Fluoranthene	19.304	202	9666917	150.802	ng/ul	97
82) Pyrene	19.651	202	7145125	107.686	ng/ul	97
85) Benzo(a)anthracene	21.357	228	3192796	47.871	ng/ul	93
87) Chrysene	21.410	228	2716933	41.103	ng/ul	97
90) Benzo(b)fluoranthene	23.063	252	3111064	52.568	ng/ul	99
91) Benzo(k)fluoranthene	23.104	252	1037872m	18.586	ng/ul	
93) Benzo(a)pyrene	23.692	252	1460997	25.484	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.327	276	955899	15.084	ng/ul#	95
95) Dibenzo(a,h)anthracene	26.333	278	244609	4.515	ng/ul#	89
96) Benzo(g,h,i)perylene	27.098	276	54936m	1.026	ng/ul	

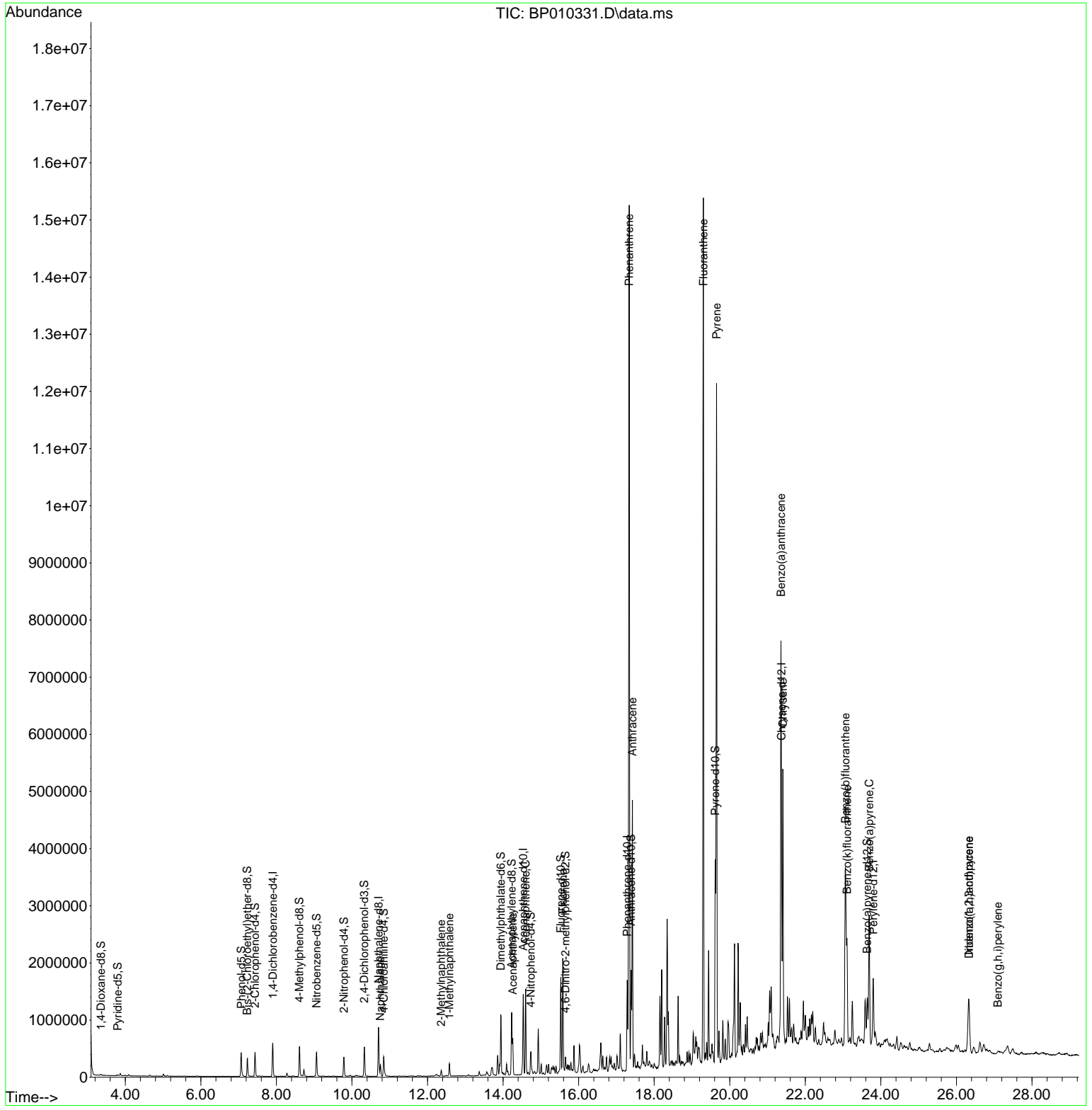
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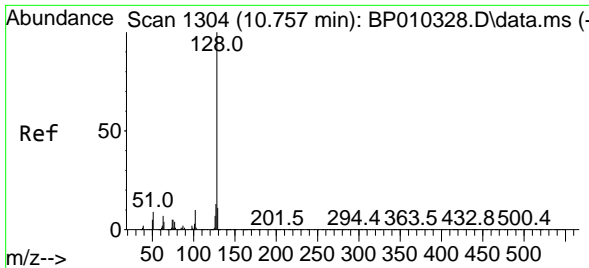
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051122\  
 Data File : BP010331.D  
 Acq On : 12 May 2022 19:42  
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 Sample : N2746-04  
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Quant Time: May 17 01:04:46 2022  
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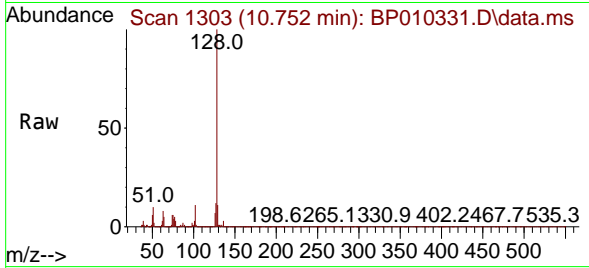
#30  
 Naphthalene  
 Concen: 4.294 ng/u1  
 RT: 10.752 min Scan# 1111  
 Delta R.T. -0.012 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42

Instrument :

BNA\_P

ClientSampleId :

DBSL0

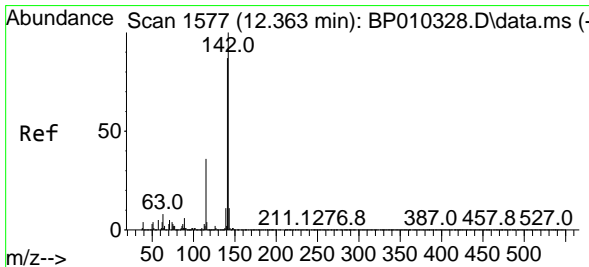
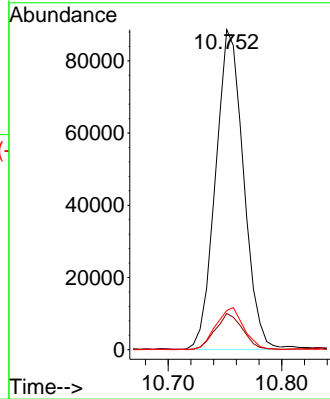
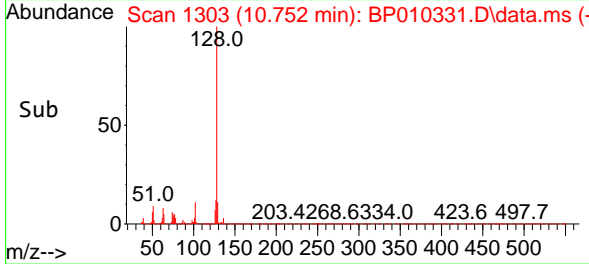


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 Ion Ratio Lower Upper  
 128 100  
 129 11.3 8.6 13.0  
 127 12.3 12.2 18.4

Manual Integrations

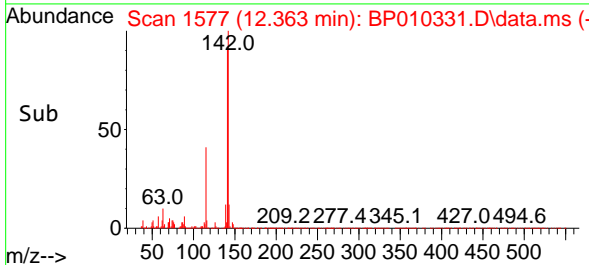
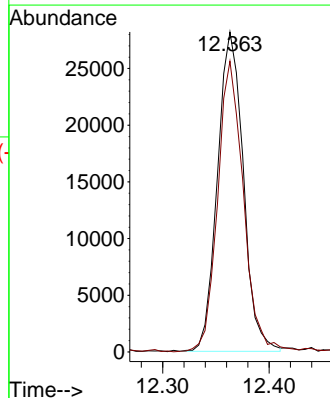
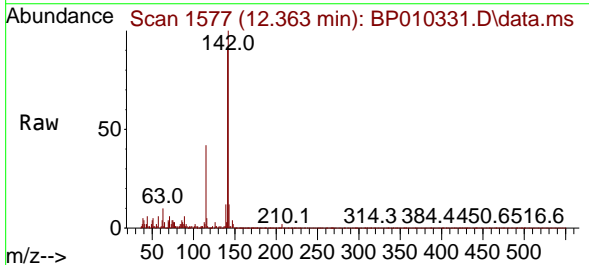
APPROVED

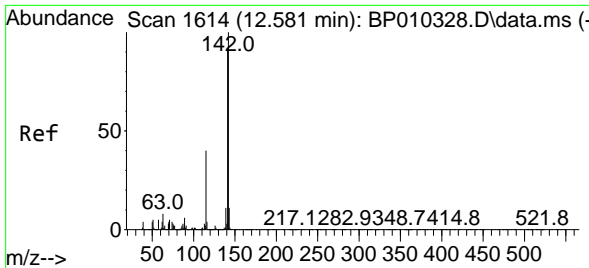
Reviewed By :Jagrut Upadhyay 05/17/2022  
 Supervised By :mohammad ahmed 05/18/2022



#36  
 2-Methylnaphthalene  
 Concen: 1.894 ng/u1  
 RT: 12.363 min Scan# 1577  
 Delta R.T. -0.006 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42

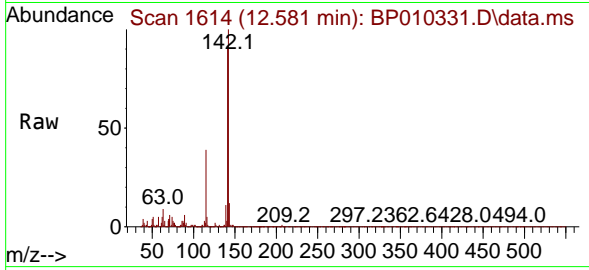
Tgt Ion:142 Resp: 47335  
 Ion Ratio Lower Upper  
 142 100  
 141 90.9 64.3 96.5





#37  
 1-Methylnaphthalene  
 Concen: 3.705 ng/uI  
 RT: 12.581 min Scan# 1614  
 Delta R.T. -0.006 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42

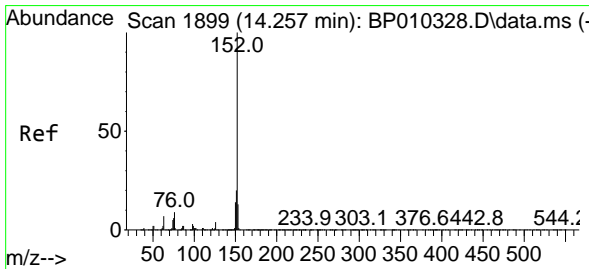
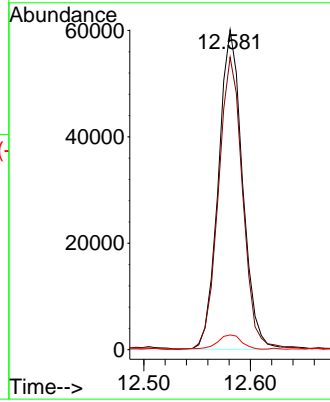
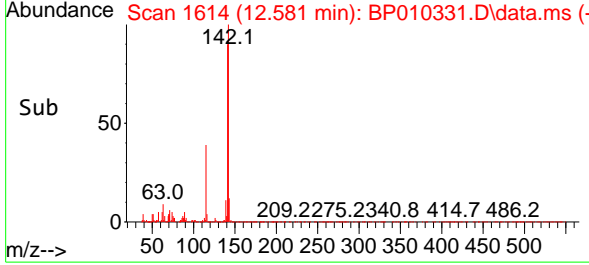
Instrument : BNA\_P  
 ClientSampleId : DBSL0



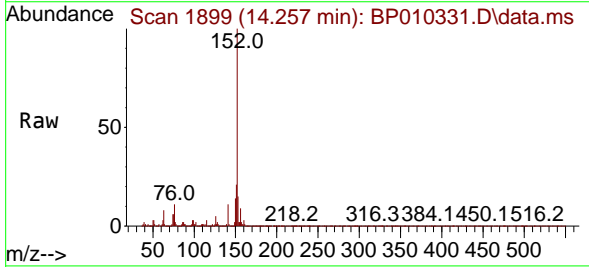
Tgt Ion:142 Resp: 9415

Ion	Ratio	Lower	Upper
142	100		
141	91.4	69.8	104.8
116	4.6	5.6	8.4

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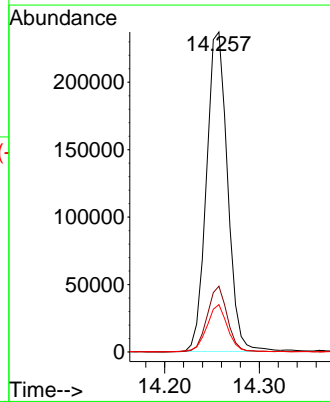
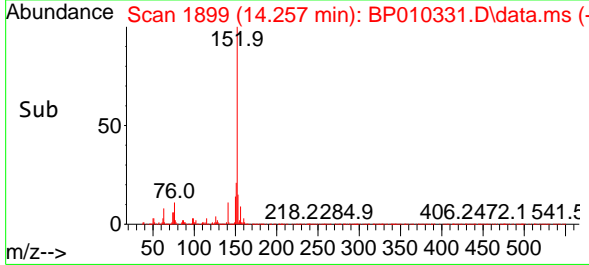


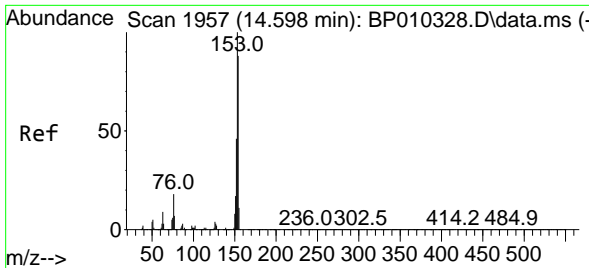
#50  
 Acenaphthylene  
 Concen: 8.483 ng/uI  
 RT: 14.257 min Scan# 1899  
 Delta R.T. -0.006 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42



Tgt Ion:152 Resp: 367132

Ion	Ratio	Lower	Upper
152	100		
151	20.5	18.3	27.5
153	14.8	11.0	16.6





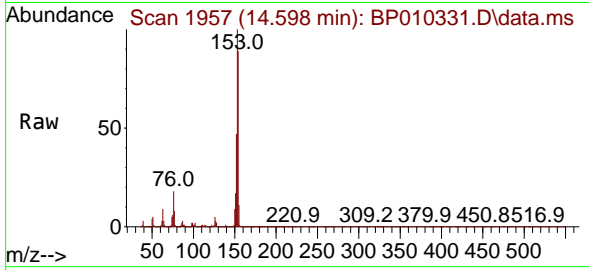
#52  
 Acenaphthene  
 Concen: 20.943 ng/u1  
 RT: 14.598 min Scan# 1957  
 Delta R.T. -0.006 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42

Instrument :

BNA\_P

ClientSampleId :

DBSL0

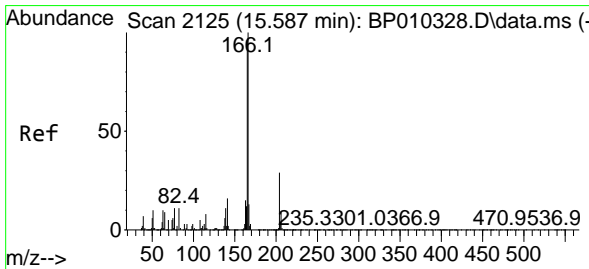
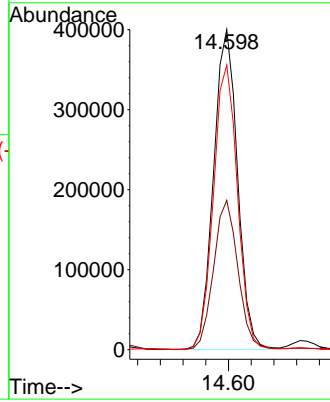
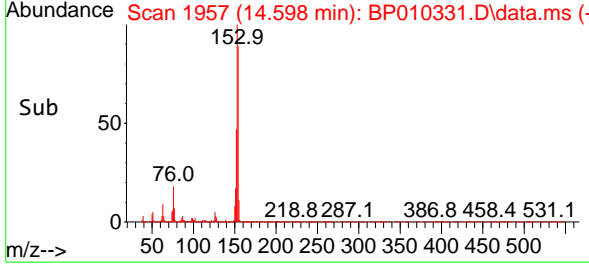


Tgt Ion:153 Resp: 58675  
 Ion Ratio Lower Upper  
 153 100  
 152 46.7 34.3 51.5  
 154 89.0 70.0 105.0

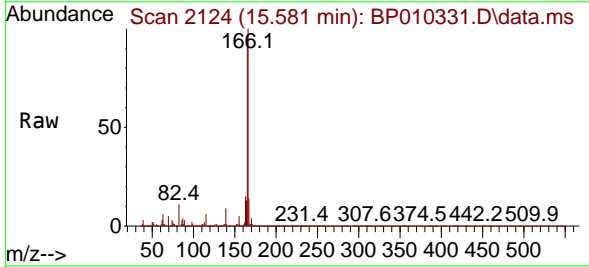
Manual Integrations

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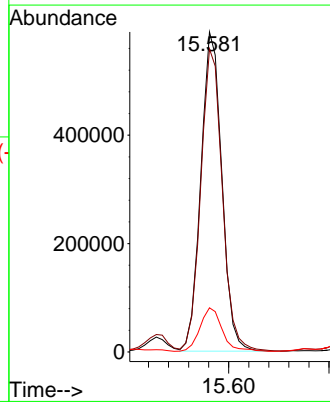
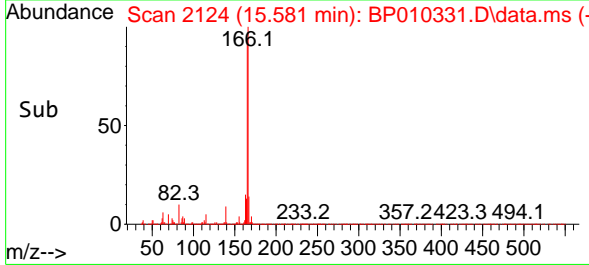
Reviewed By :Jagrut Upadhyay 05/17/2022  
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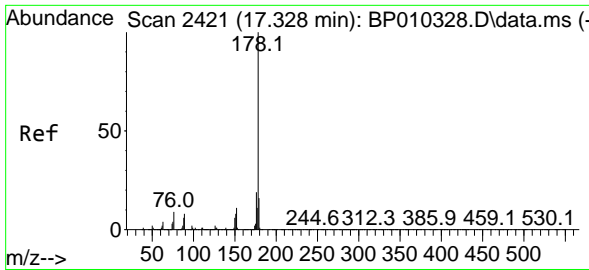


#61  
 Fluorene  
 Concen: 25.279 ng/u1  
 RT: 15.581 min Scan# 2124  
 Delta R.T. -0.012 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42



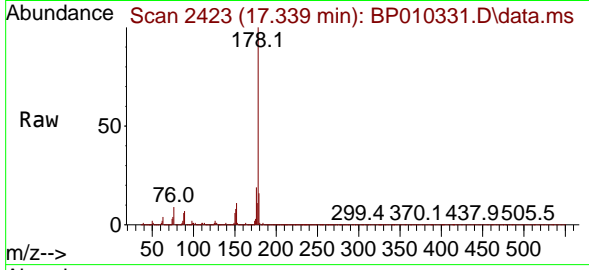
Tgt Ion:166 Resp: 858389  
 Ion Ratio Lower Upper  
 166 100  
 165 94.7 70.3 105.5  
 167 13.8 9.5 14.3





#72  
 Phenanthrene  
 Concen: 168.044 ng/u1  
 RT: 17.339 min Scan# 2423  
 Delta R.T. 0.006 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42

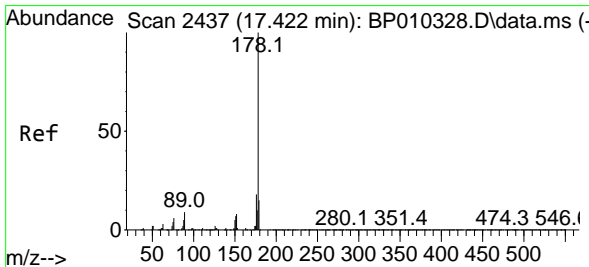
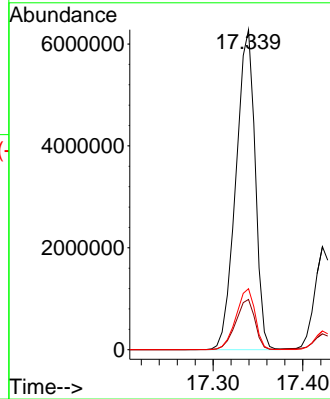
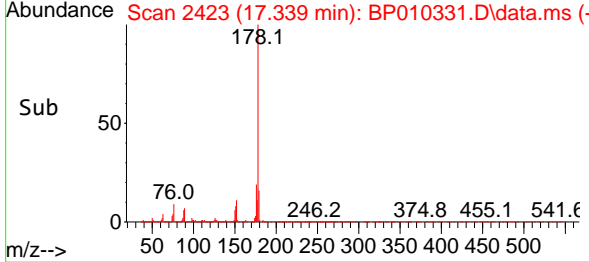
Instrument :  
 BNA\_P  
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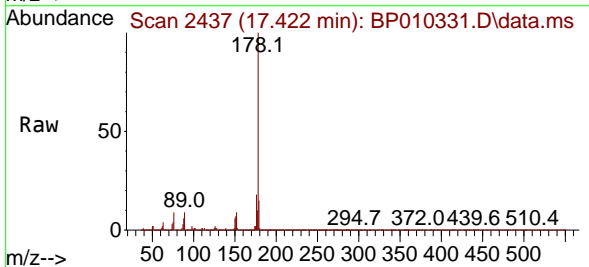
Tgt Ion:178 Resp: 9346958  
 Ion Ratio Lower Upper  
 178 100  
 179 15.7 11.7 17.5  
 176 19.1 14.5 21.7

Manual Integrations  
**APPROVED**

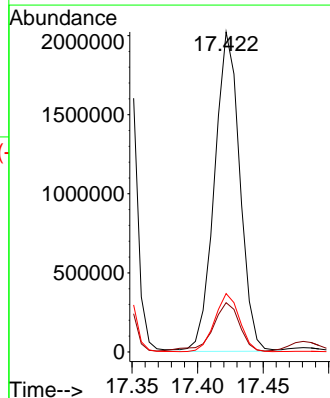
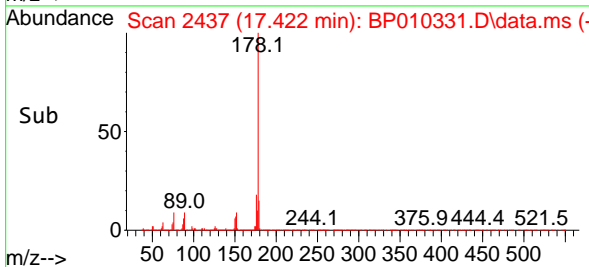
Reviewed By :Jagrut Upadhyay 05/17/2022  
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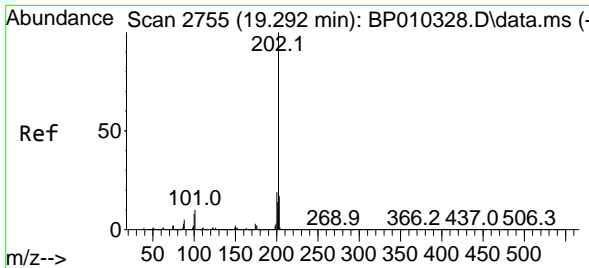


#74  
 Anthracene  
 Concen: 48.034 ng/u1  
 RT: 17.422 min Scan# 2437  
 Delta R.T. -0.006 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42



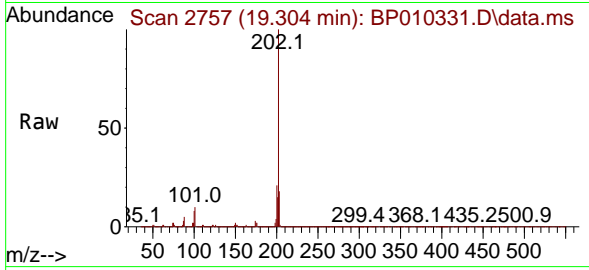
Tgt Ion:178 Resp: 2709760  
 Ion Ratio Lower Upper  
 178 100  
 179 15.4 12.3 18.5  
 176 18.2 13.4 20.2





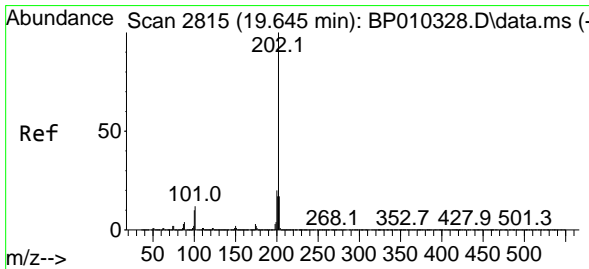
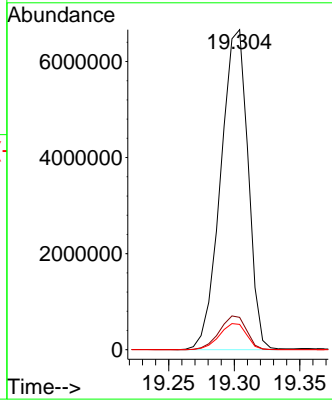
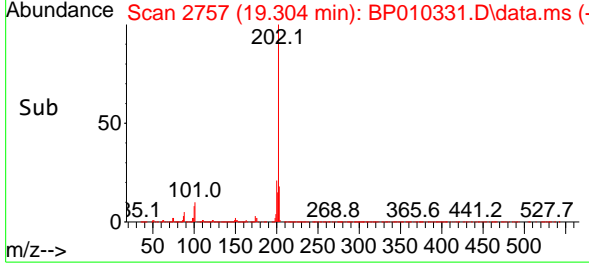
#80  
 Fluoranthene  
 Concen: 150.802 ng/u1  
 RT: 19.304 min Scan# 2757  
 Delta R.T. 0.006 min  
 Lab File: BP010331.D  
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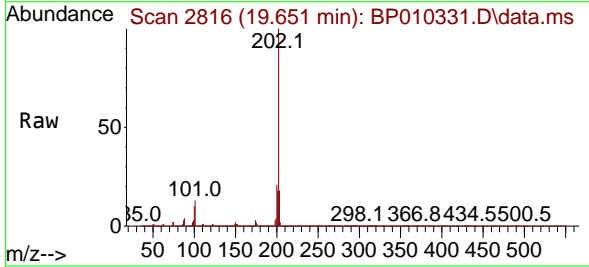


Tgt Ion:202 Resp: 966691  
 Ion Ratio Lower Upper  
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 101 10.1 9.6 14.4  
 100 7.9 6.3 9.5

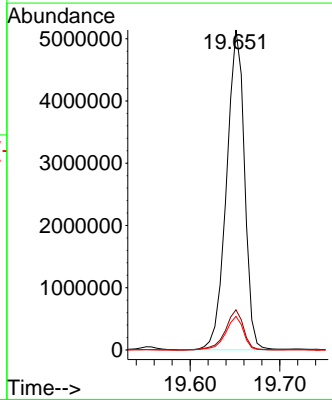
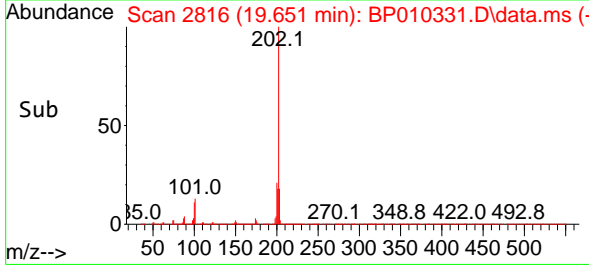
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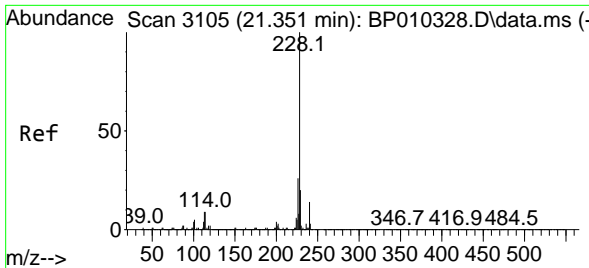


#82  
 Pyrene  
 Concen: 107.686 ng/u1  
 RT: 19.651 min Scan# 2816  
 Delta R.T. 0.000 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42



Tgt Ion:202 Resp: 7145125  
 Ion Ratio Lower Upper  
 202 100  
 101 12.6 10.6 15.8  
 100 10.5 9.8 14.6





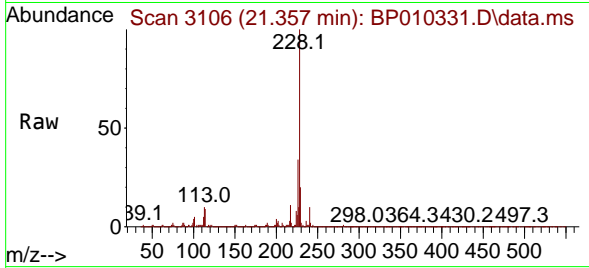
#85  
 Benzo(a)anthracene  
 Concen: 47.871 ng/u1  
 RT: 21.357 min Scan# 3106  
 Delta R.T. -0.006 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42

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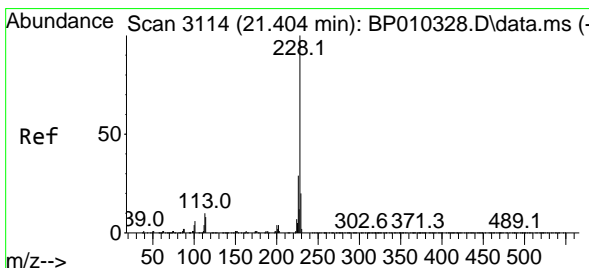
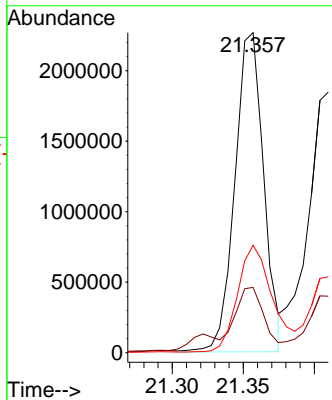
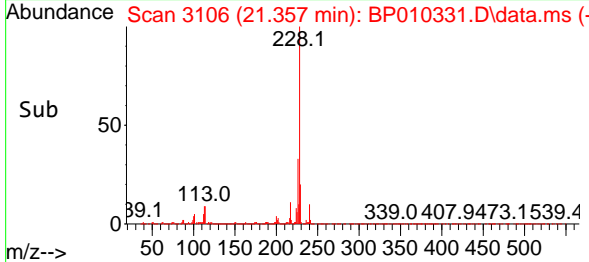


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 Ion Ratio Lower Upper  
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 229 20.4 18.2 27.2  
 226 33.5 22.8 34.2

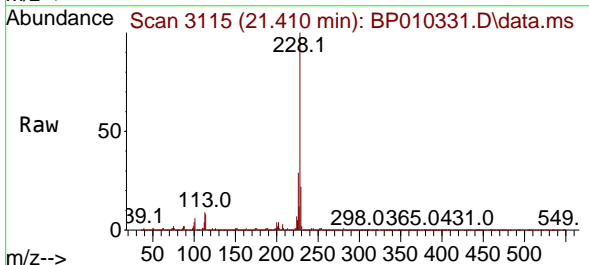
Manual Integrations

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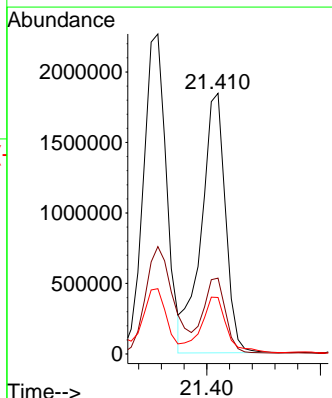
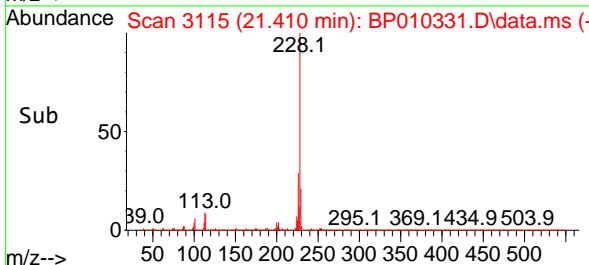
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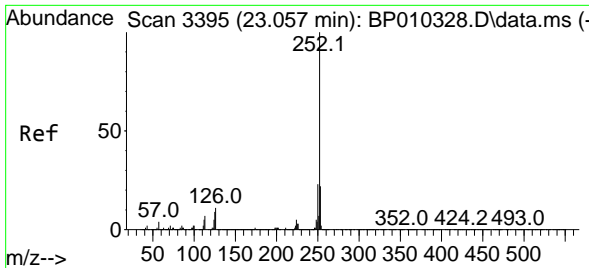
#87  
 Chrysene  
 Concen: 41.103 ng/u1  
 RT: 21.410 min Scan# 3115  
 Delta R.T. -0.006 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42



Tgt Ion:228 Resp: 2716933  
 Ion Ratio Lower Upper  
 228 100  
 226 29.1 22.7 34.1  
 229 21.7 15.2 22.8

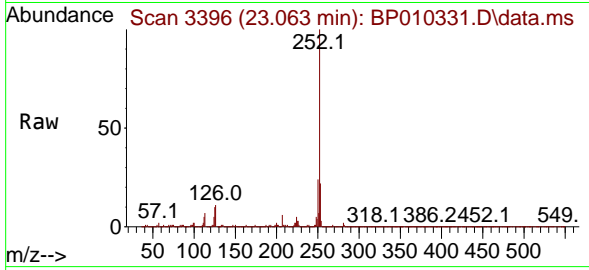






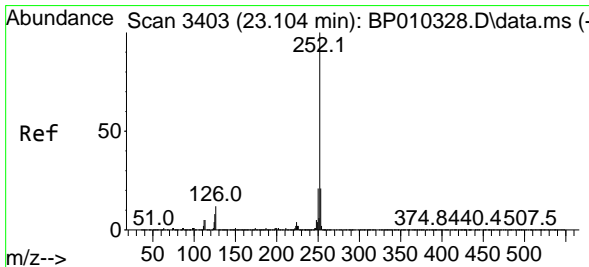
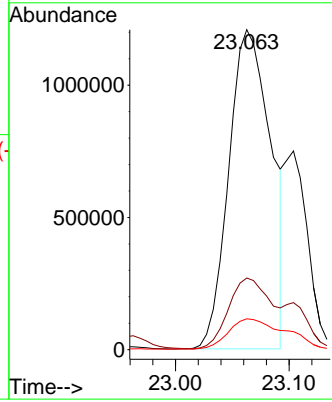
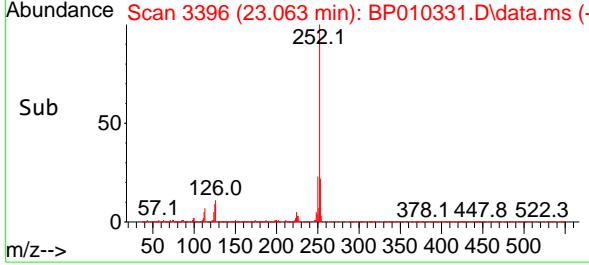
#90  
 Benzo(b)fluoranthene  
 Concen: 52.568 ng/ul  
 RT: 23.063 min Scan# 3111064  
 Delta R.T. -0.006 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42

Instrument : BNA\_P  
 ClientSampleId : DBSL0

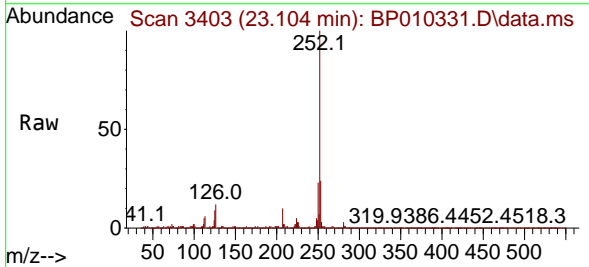


Tgt Ion:252 Resp: 3111064  
 Ion Ratio Lower Upper  
 252 100  
 253 22.4 17.4 26.0  
 125 9.6 7.3 10.9

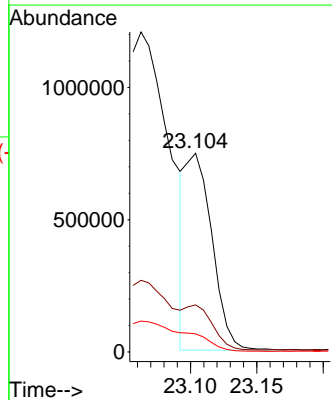
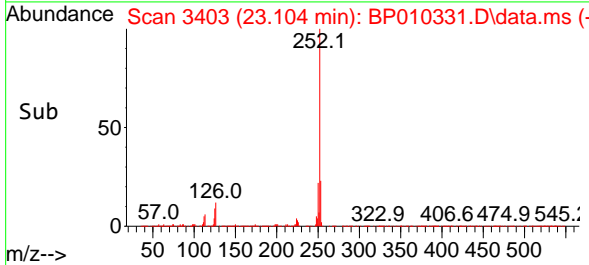
Manual Integrations  
**APPROVED**  
 Reviewed By :Jagrut Upadhyay 05/17/2022  
 Supervised By :mohammad ahmed 05/18/2022

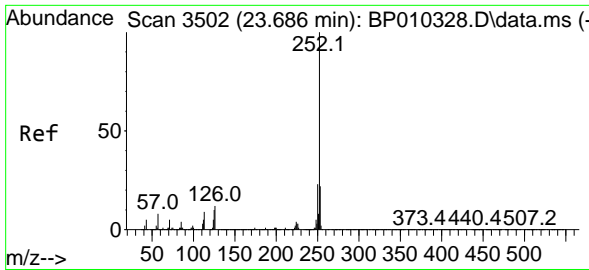


#91  
 Benzo(k)fluoranthene  
 Concen: 18.586 ng/ul m  
 RT: 23.104 min Scan# 3403  
 Delta R.T. -0.018 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42



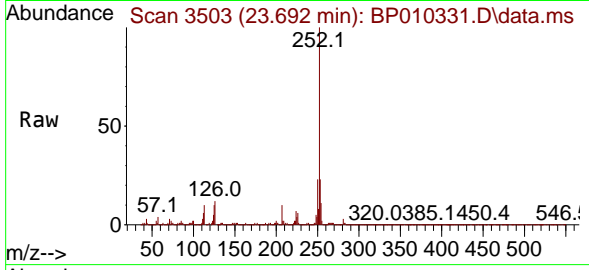
Tgt Ion:252 Resp: 1037872  
 Ion Ratio Lower Upper  
 252 100  
 253 23.6 17.9 26.9  
 125 9.1 5.1 7.7#





#93  
 Benzo(a)pyrene  
 Concen: 25.484 ng/u1  
 RT: 23.692 min Scan# 3503  
 Delta R.T. -0.018 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42

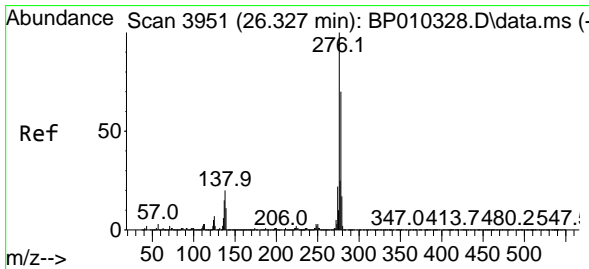
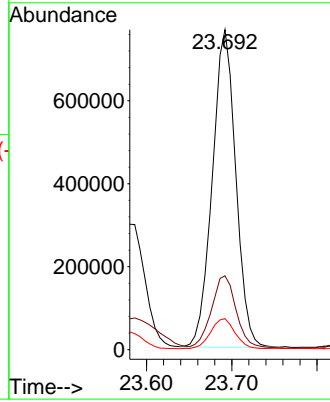
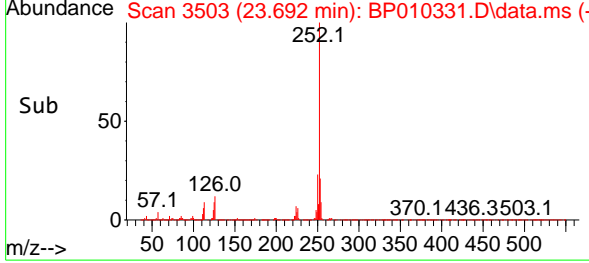
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBSL0



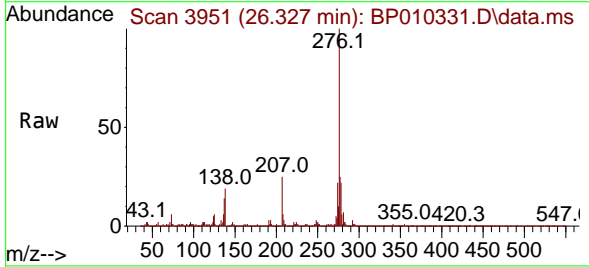
Tgt Ion:252 Resp: 146099  
 Ion Ratio Lower Upper  
 252 100  
 253 23.1 17.5 26.3  
 125 9.7 6.4 9.6

Manual Integrations  
 APPROVED

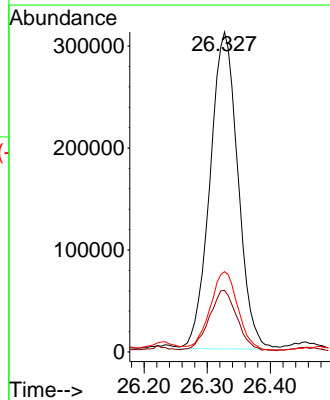
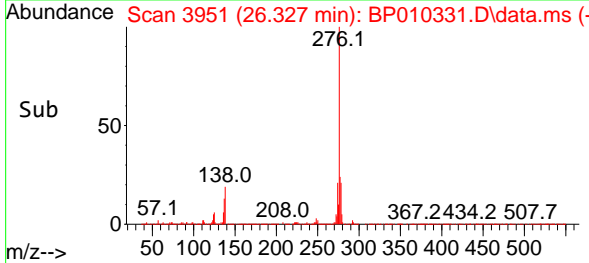
Reviewed By :Jagrut Upadhyay 05/17/2022  
 Supervised By :mohammad ahmed 05/18/2022

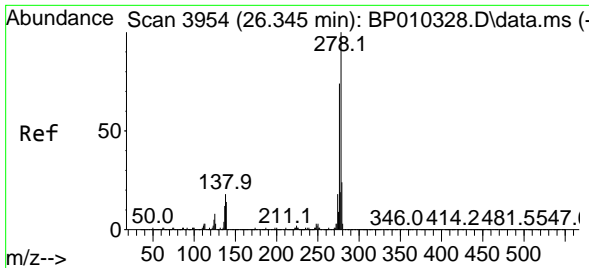


#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 15.084 ng/u1  
 RT: 26.327 min Scan# 3951  
 Delta R.T. -0.035 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42



Tgt Ion:276 Resp: 955899  
 Ion Ratio Lower Upper  
 276 100  
 138 19.2 12.3 18.5#  
 277 25.1 19.3 28.9





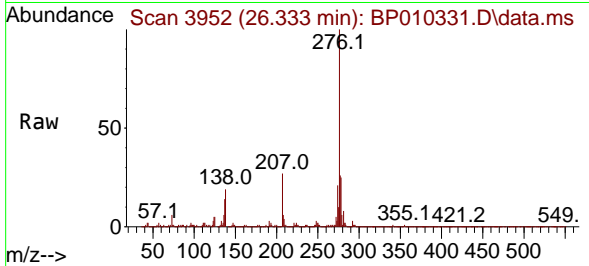
#95  
 Dibenzo(a,h)anthracene  
 Concen: 4.515 ng/ul  
 RT: 26.333 min Scan# 3952  
 Delta R.T. -0.041 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42

Instrument :

BNA\_P

ClientSampleId :

DBSL0

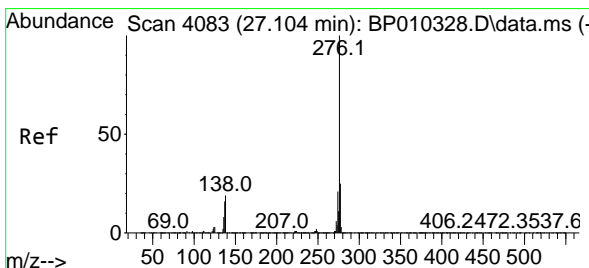
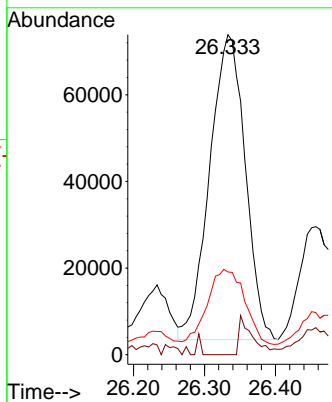
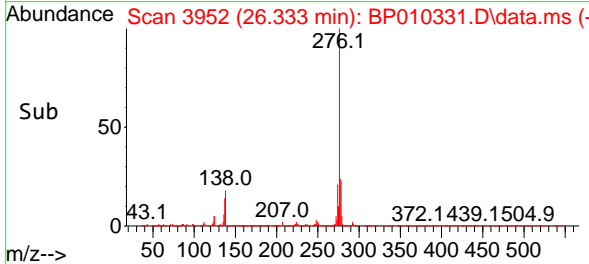


Tgt Ion:278 Resp: 244609  
 Ion Ratio Lower Upper  
 278 100  
 139 0.0 6.6 10.0#  
 279 25.9 18.4 27.6#

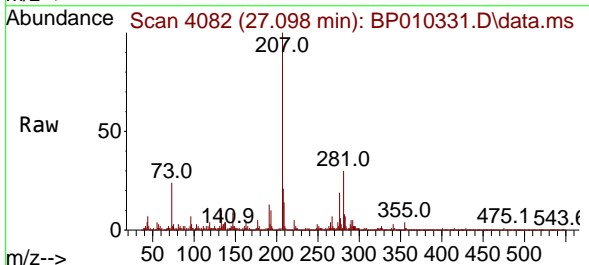
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2022  
 Supervised By :mohammad ahmed 05/18/2022



#96  
 Benzo(g,h,i)perylene  
 Concen: 1.026 ng/ul m  
 RT: 27.098 min Scan# 4082  
 Delta R.T. -0.035 min  
 Lab File: BP010331.D  
 Acq: 12 May 2022 19:42



Tgt Ion:276 Resp: 54936  
 Ion Ratio Lower Upper  
 276 100  
 138 20.1 11.6 17.4#  
 277 31.6 15.9 23.9#

