

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015650.D
 Acq On : 22 Jun 2023 16:47
 Operator : MA/JU
 Sample : 03083-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFL4

Manual Integrations
 APPROVED

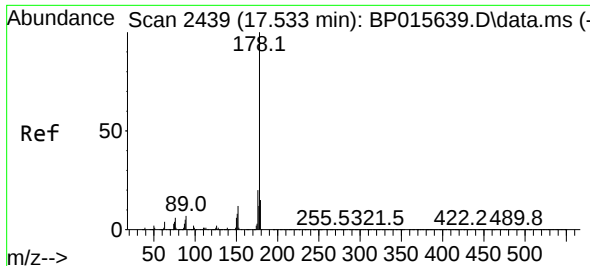
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 22 22:58:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	130574	20.000	ng/u1	0.00
20) Naphthalene-d8	10.904	136	557334	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.728	164	340133	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.492	188	638742	20.000	ng/u1	0.00
79) Chrysene-d12	21.574	240	426249	20.000	ng/u1	0.00
88) Perylene-d12	24.133	264	543012	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	12708	3.604	ng/uL	0.00
4) Pyridine-d5	3.846	84	76456	8.347	ng/u1	0.00
7) Phenol-d5	7.240	99	254755	21.178	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.399	67	163005	22.690	ng/u1	0.00
11) 2-Chlorophenol-d4	7.604	132	206770	23.708	ng/u1	0.00
15) 4-Methylphenol-d8	8.799	113	195513	19.804	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	107936	24.668	ng/u1	0.00
24) 2-Nitrophenol-d4	9.987	143	120421	24.099	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.534	165	207795	22.796	ng/u1	0.00
31) 4-Chloroaniline-d4	11.057	131	162957	12.455	ng/u1	0.00
46) Dimethylphthalate-d6	14.134	166	704305	26.259	ng/u1	0.00
49) Acenaphthylene-d8	14.422	160	785374	26.779	ng/u1	0.00
54) 4-Nitrophenol-d4	14.963	143	64146m	13.355	ng/u1	0.01
60) Fluorene-d10	15.722	176	557716	24.658	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.863	200	76462m	18.896	ng/u1	0.00
73) Anthracene-d10	17.592	188	723046	24.880	ng/u1	0.00
81) Pyrene-d10	19.816	212	720410	31.578	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.962	264	729348	26.769	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.533	178	97012	2.830	ng/u1	99
80) Fluoranthene	19.492	202	239140	8.606	ng/u1	98
82) Pyrene	19.845	202	195790	6.810	ng/u1	99
85) Benzo(a)anthracene	21.563	228	115173	3.865	ng/u1	97
87) Chrysene	21.615	228	134964	4.792	ng/u1	96
90) Benzo(b)fluoranthene	23.345	252	226836	6.472	ng/u1	96
91) Benzo(k)fluoranthene	23.392	252	75138m	2.218	ng/u1	
93) Benzo(a)pyrene	24.021	252	144404	4.725	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.839	276	136244	3.445	ng/u1	96
95) Dibenzo(a,h)anthracene	26.845	278	35728	1.109	ng/u1#	83
96) Benzo(g,h,i)perylene	27.674	276	127445	3.910	ng/u1	97

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



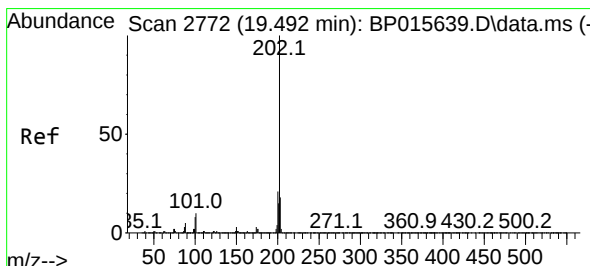
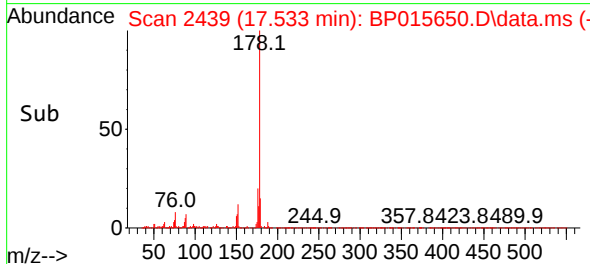
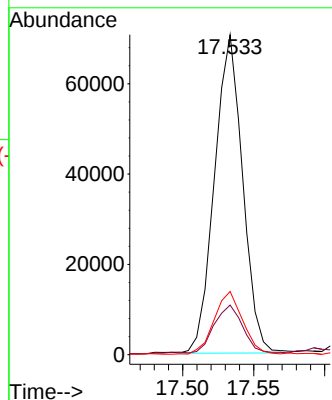
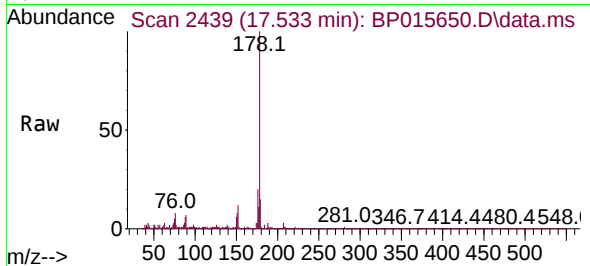
#72
Phenanthrene
Concen: 2.830 ng/ul
RT: 17.533 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BP015650.D
Acq: 22 Jun 2023 16:47

Instrument :
BNA_P
ClientSampleId :
DCFL4

Tgt Ion:178 Resp: 97012
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 19.8 15.4 23.0

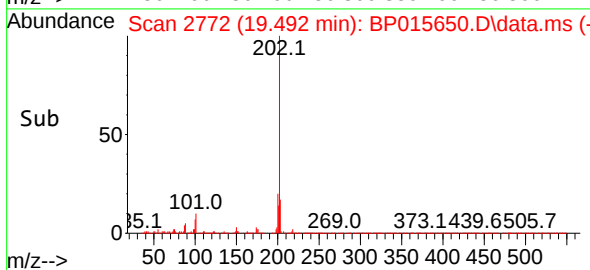
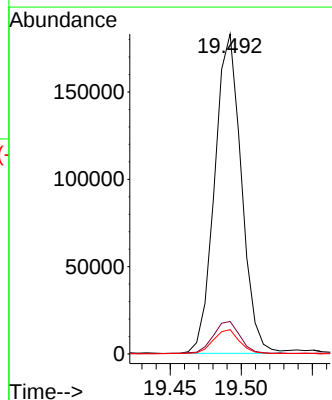
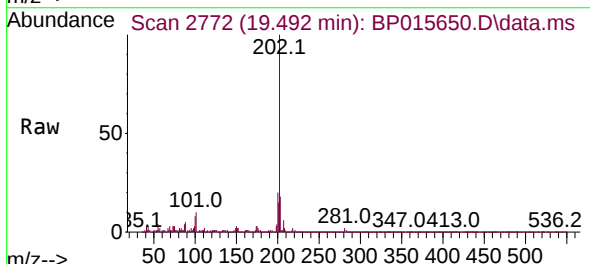
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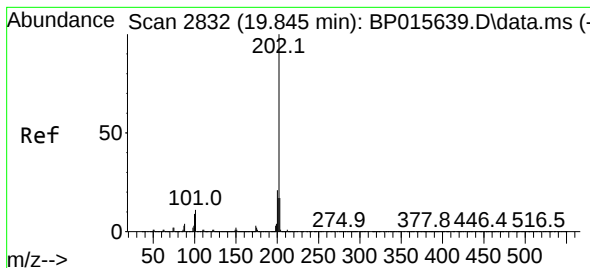
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#80
Fluoranthene
Concen: 8.606 ng/ul
RT: 19.492 min Scan# 2772
Delta R.T. 0.000 min
Lab File: BP015650.D
Acq: 22 Jun 2023 16:47

Tgt Ion:202 Resp: 239140
Ion Ratio Lower Upper
202 100
101 10.1 8.6 13.0
100 7.6 6.6 9.8





#82

Pyrene

Concen: 6.810 ng/ul

RT: 19.845 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015650.D

Acq: 22 Jun 2023 16:47

Instrument :

BNA_P

ClientSampleId :

DCFL4

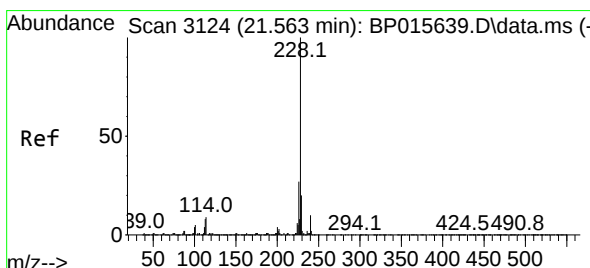
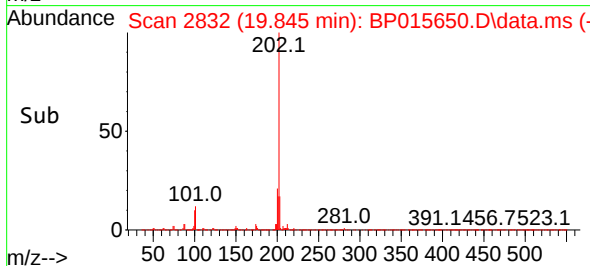
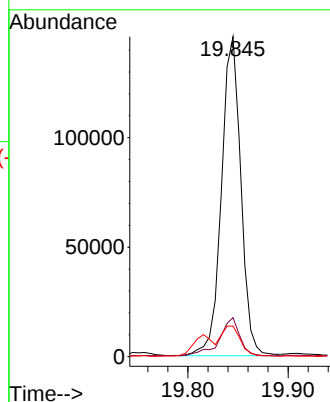
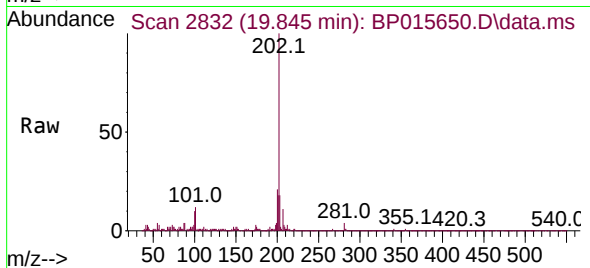
Tgt Ion:	202	Resp:	195790
Ion Ratio	Lower	Upper	
202	100		
101	12.2	9.9	14.9
100	9.6	8.4	12.6

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Supervised By :mohammad ahmed 06/23/2023



#85

Benzo(a)anthracene

Concen: 3.865 ng/ul

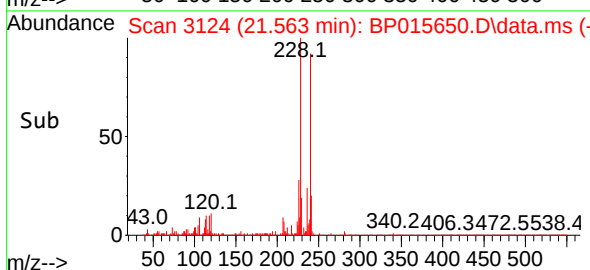
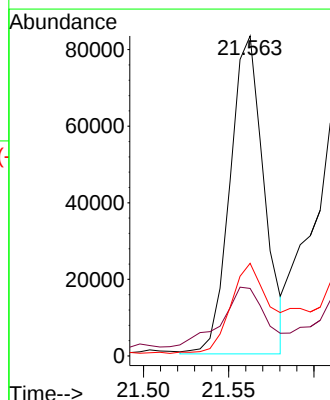
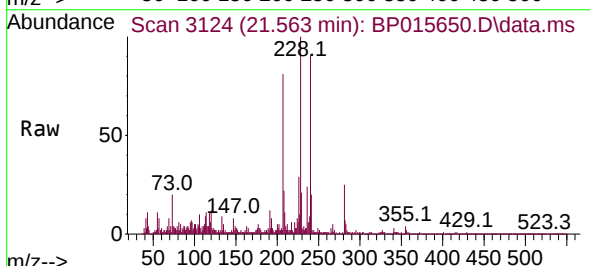
RT: 21.563 min Scan# 3124

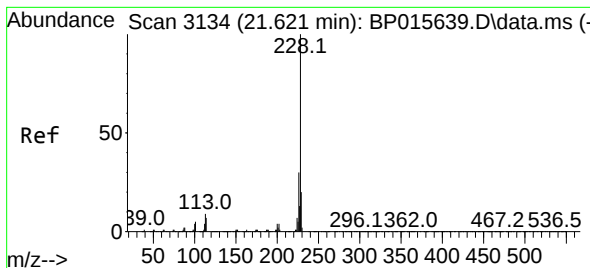
Delta R.T. 0.000 min

Lab File: BP015650.D

Acq: 22 Jun 2023 16:47

Tgt Ion:	228	Resp:	115173
Ion Ratio	Lower	Upper	
228	100		
229	21.1	15.8	23.6
226	28.9	21.8	32.6





#87

Chrysene

Concen: 4.792 ng/ul

RT: 21.615 min Scan# 3133

Delta R.T. -0.006 min

Lab File: BP015650.D

Acq: 22 Jun 2023 16:47

Instrument :

BNA_P

ClientSampleId :

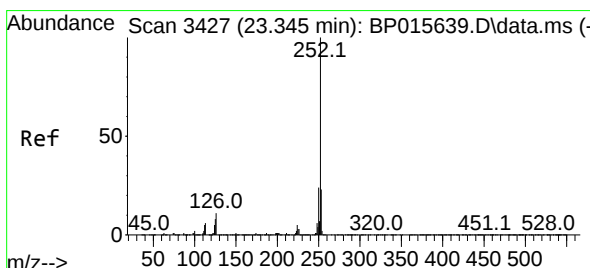
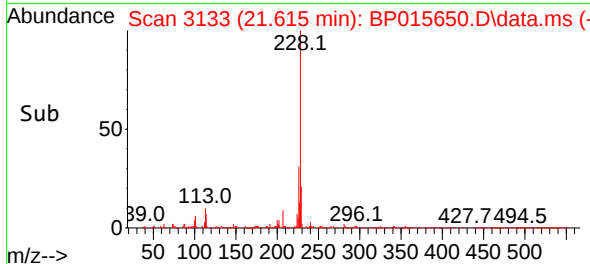
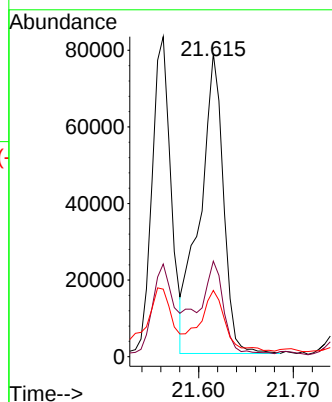
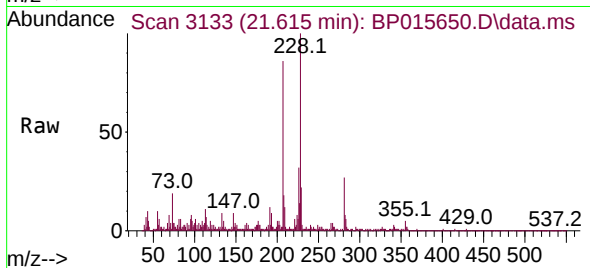
DCFL4

Tgt Ion:	228	Resp:	134964
Ion Ratio	Lower	Upper	
228	100		
226	31.5	23.9	35.9
229	21.9	15.1	22.7

Manual Integrations

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Supervised By :mohammad ahmed 06/23/2023



#90

Benzo(b)fluoranthene

Concen: 6.472 ng/ul

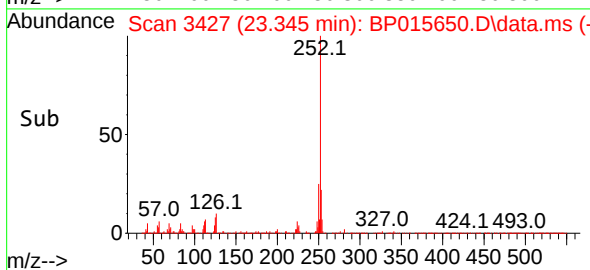
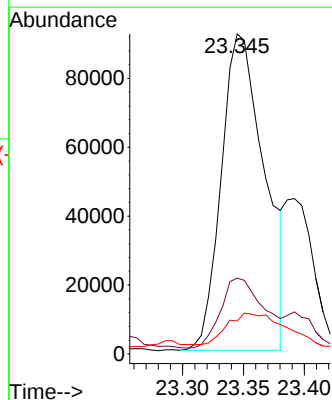
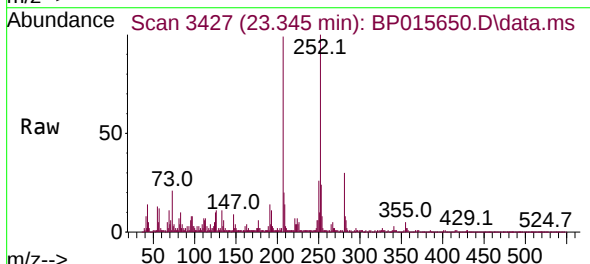
RT: 23.345 min Scan# 3427

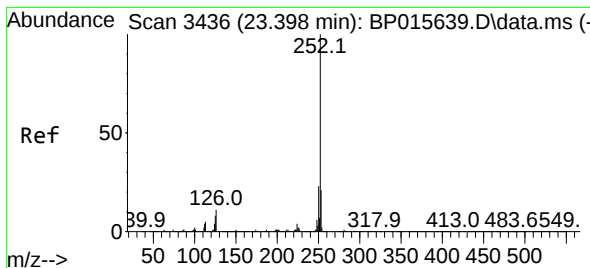
Delta R.T. 0.000 min

Lab File: BP015650.D

Acq: 22 Jun 2023 16:47

Tgt Ion:	252	Resp:	226836
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.2
125	10.3	7.3	10.9





#91

Benzo(k)fluoranthene

Concen: 2.218 ng/ul m

RT: 23.392 min Scan# 3436

Delta R.T. -0.006 min

Lab File: BP015650.D

Acq: 22 Jun 2023 16:47

Instrument :

BNA_P

ClientSampleId :

DCFL4

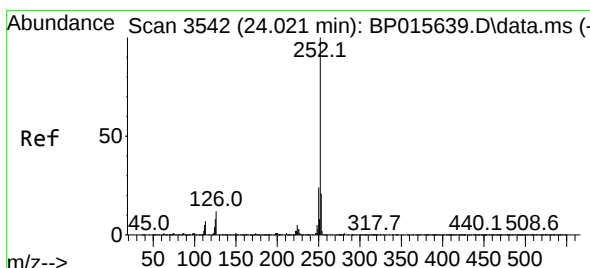
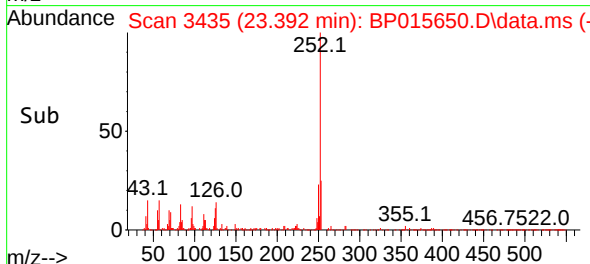
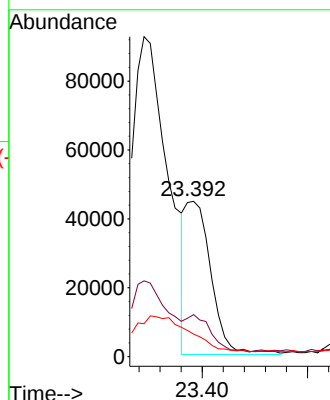
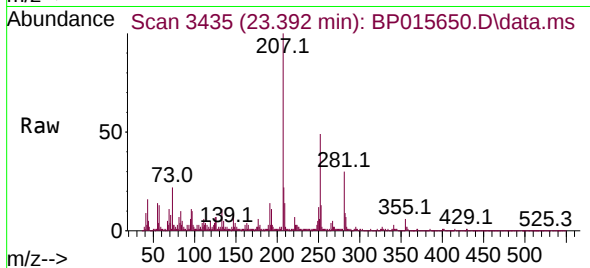
Tgt Ion:252 Resp: 75138
 Ion Ratio Lower Upper
 252 100
 253 27.1 17.7 26.5
 125 14.5 7.3 10.9

Manual Integrations

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Supervised By :mohammad ahmed 06/23/2023



#93

Benzo(a)pyrene

Concen: 4.725 ng/ul

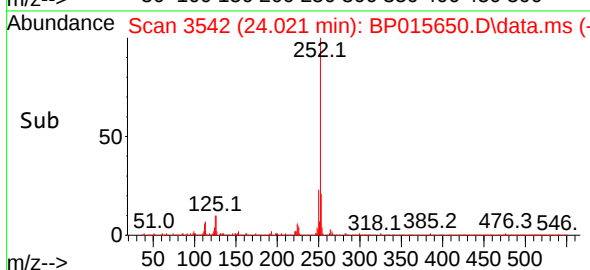
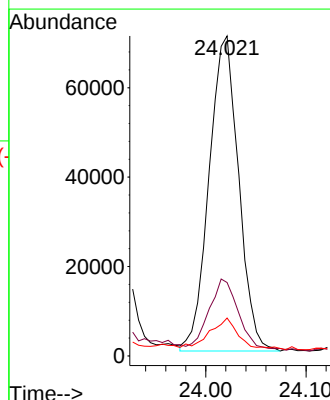
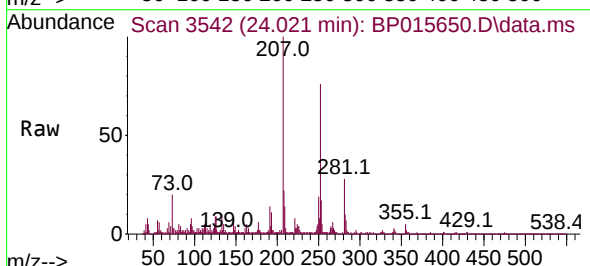
RT: 24.021 min Scan# 3542

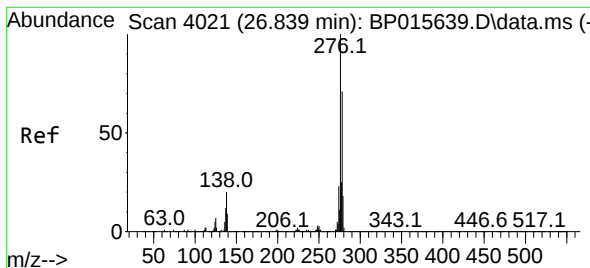
Delta R.T. 0.000 min

Lab File: BP015650.D

Acq: 22 Jun 2023 16:47

Tgt Ion:252 Resp: 144404
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.6
 125 11.9 8.1 12.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.445 ng/ul

RT: 26.839 min Scan# 4021

Delta R.T. 0.000 min

Lab File: BP015650.D

Acq: 22 Jun 2023 16:47

Instrument :

BNA_P

ClientSampleId :

DCFL4

Tgt Ion:276 Resp: 13624

Ion Ratio Lower Upper

276 100

138 17.8 17.3 25.9

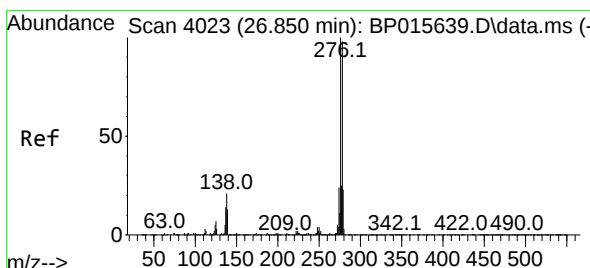
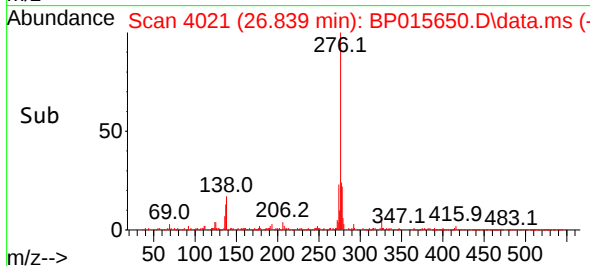
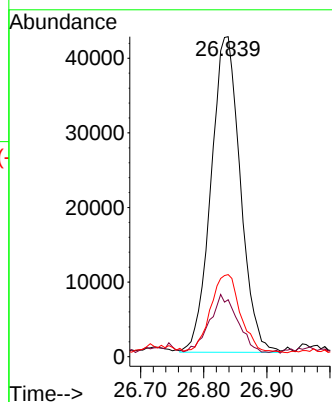
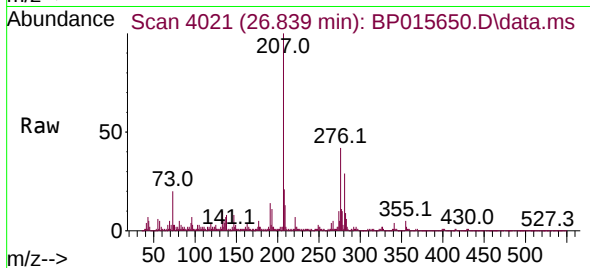
277 25.6 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#95

Dibenzo(a,h)anthracene

Concen: 1.109 ng/ul

RT: 26.845 min Scan# 4022

Delta R.T. -0.006 min

Lab File: BP015650.D

Acq: 22 Jun 2023 16:47

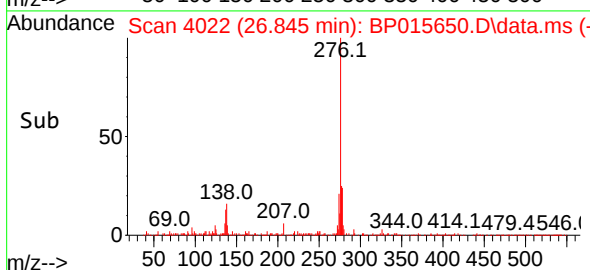
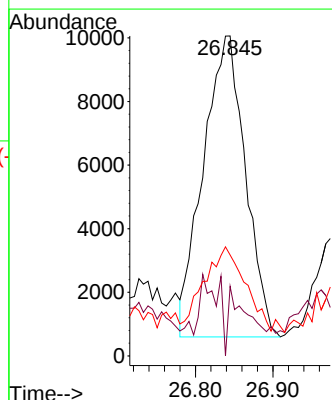
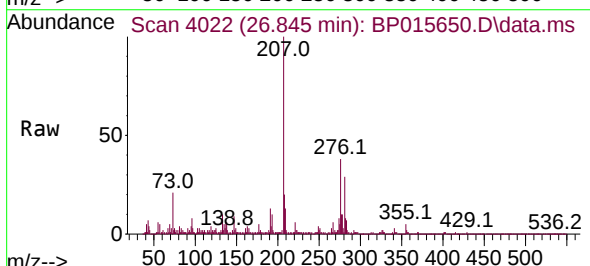
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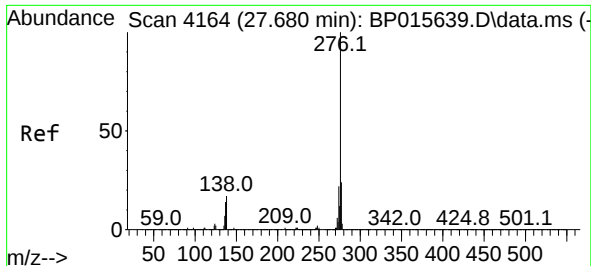
Ion Ratio Lower Upper

278 100

139 21.8 11.4 17.0#

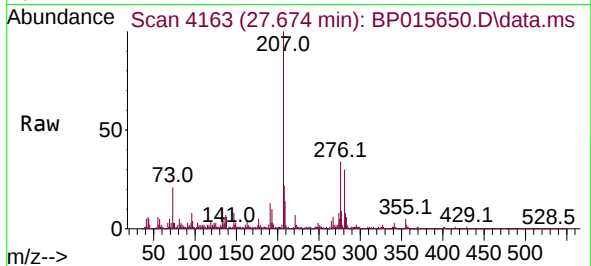
279 31.5 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 3.910 ng/ul
 RT: 27.674 min Scan# 4163
 Delta R.T. -0.006 min
 Lab File: BP015650.D
 Acq: 22 Jun 2023 16:47

Instrument :
 BNA_P
 ClientSampleId :
 DCFL4



Tgt Ion:276 Resp: 127445
 Ion Ratio Lower Upper
 276 100
 138 18.2 15.6 23.4
 277 25.3 19.0 28.6

Manual Integrations
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