

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062323\
 Data File : BP015680.D
 Acq On : 23 Jun 2023 20:01
 Operator : MA/JU
 Sample : 03084-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFN2

Manual Integrations
 APPROVED

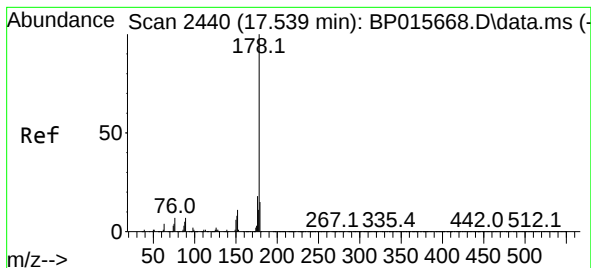
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 24 00:21:02 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	151662	20.000	ng/u1	0.00
20) Naphthalene-d8	10.905	136	568285	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.728	164	295972	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.492	188	593653	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	597441	20.000	ng/u1	0.00
88) Perylene-d12	24.145	264	729632	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	22153	5.409	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.246	99	375087	26.845	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.399	67	261308	31.315	ng/u1	0.00
11) 2-Chlorophenol-d4	7.605	132	323339	31.919	ng/u1	0.00
15) 4-Methylphenol-d8	8.805	113	236067	20.586	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	154946	34.729	ng/u1	0.00
24) 2-Nitrophenol-d4	9.987	143	176800	34.700	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.540	165	267851	28.819	ng/u1	0.00
31) 4-Chloroaniline-d4	11.063	131	173872	13.033	ng/u1	0.01
46) Dimethylphthalate-d6	14.134	166	802802	34.397	ng/u1	0.00
49) Acenaphthylene-d8	14.422	160	898867	35.221	ng/u1	0.00
54) 4-Nitrophenol-d4	14.969	143	84317m	20.174	ng/u1	0.02
60) Fluorene-d10	15.728	176	632486	32.136	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.875	200	86656m	23.042	ng/u1	0.01
73) Anthracene-d10	17.592	188	869815	32.203	ng/u1	0.00
81) Pyrene-d10	19.822	212	1141971	35.713	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.974	264	1264475	34.539	ng/u1	0.00
Target Compounds					Qvalue	
72) Phenanthrene	17.534	178	50782	1.594	ng/u1	97
80) Fluoranthene	19.492	202	131913	3.387	ng/u1#	95
82) Pyrene	19.845	202	118590	2.943	ng/u1	99
85) Benzo(a)anthracene	21.563	228	77500	1.856	ng/u1	97
87) Chrysene	21.622	228	88046	2.230	ng/u1	97
90) Benzo(b)fluoranthene	23.357	252	141585	3.006	ng/u1#	89
91) Benzo(k)fluoranthene	23.398	252	55044m	1.209	ng/u1	
93) Benzo(a)pyrene	24.027	252	82888	2.019	ng/u1#	89
94) Indeno(1,2,3-cd)pyrene	26.857	276	76964	1.448	ng/u1	97
96) Benzo(g,h,i)perylene	27.704	276	74058	1.691	ng/u1	97

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



#72

Phenanthrene

Concen: 1.594 ng/ul

RT: 17.534 min Scan# 2440

Delta R.T. 0.000 min

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Instrument :

BNA_P

ClientSampleId :

DCFN2

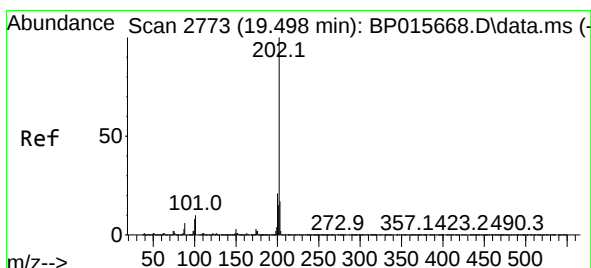
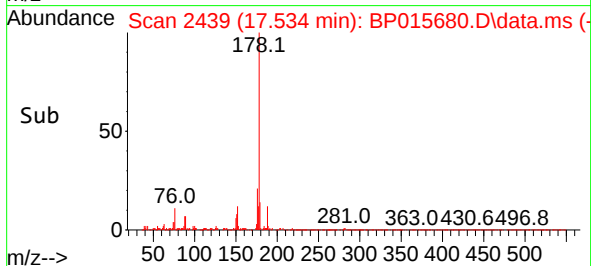
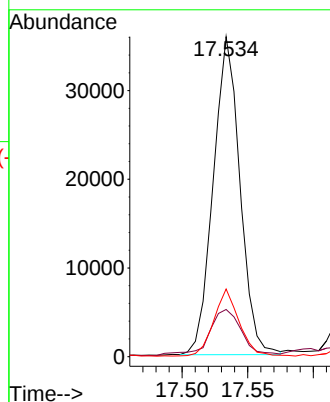
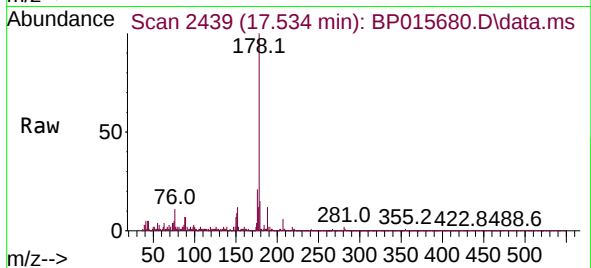
Tgt Ion:178 Resp: 5078
 Ion Ratio Lower Upper
 178 100
 179 14.7 12.3 18.5
 176 21.1 15.4 23.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#80

Fluoranthene

Concen: 3.387 ng/ul

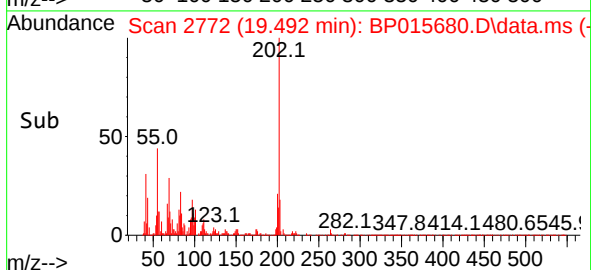
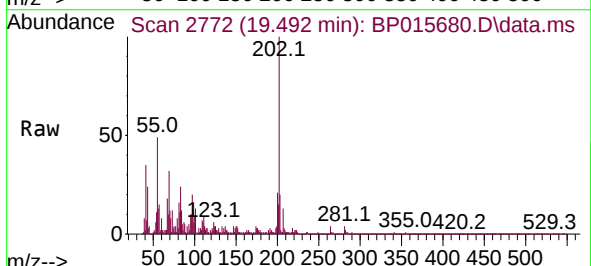
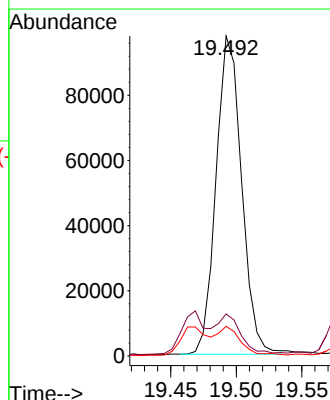
RT: 19.492 min Scan# 2772

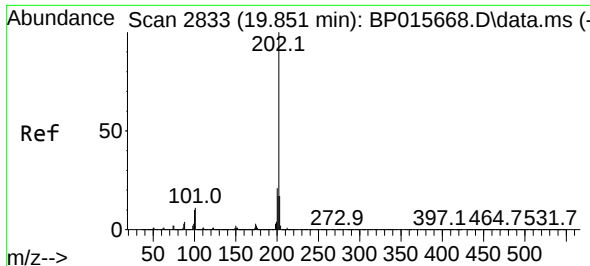
Delta R.T. 0.000 min

Lab File: BP015680.D

Acq: 23 Jun 2023 20:01

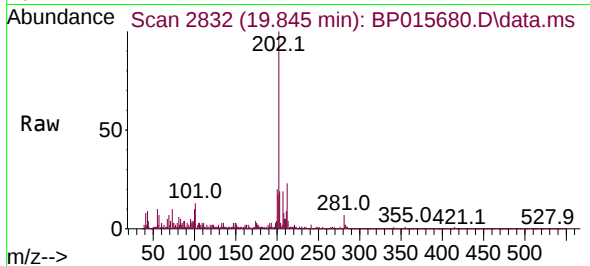
Tgt Ion:202 Resp: 131913
 Ion Ratio Lower Upper
 202 100
 101 13.2 8.6 13.0#
 100 9.3 6.6 9.8





#82
Pyrene
Concen: 2.943 ng/ul
RT: 19.845 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP015680.D
Acq: 23 Jun 2023 20:01

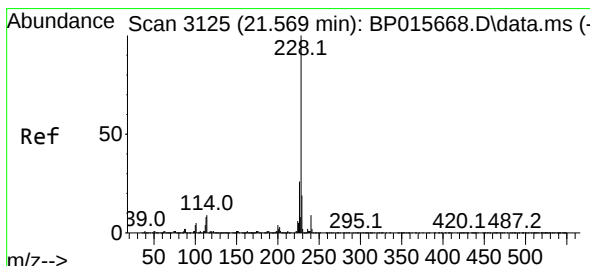
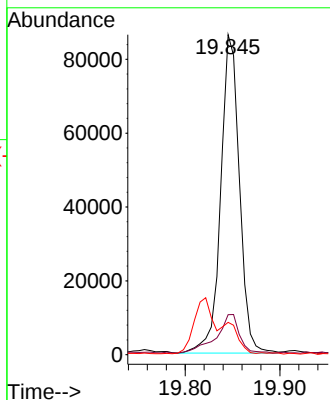
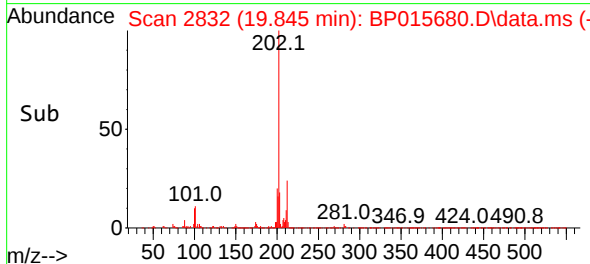
Instrument :
BNA_P
ClientSampleId :
DCFN2



Tgt Ion:202 Resp: 118590
Ion Ratio Lower Upper
202 100
101 12.5 9.9 14.9
100 10.1 8.4 12.6

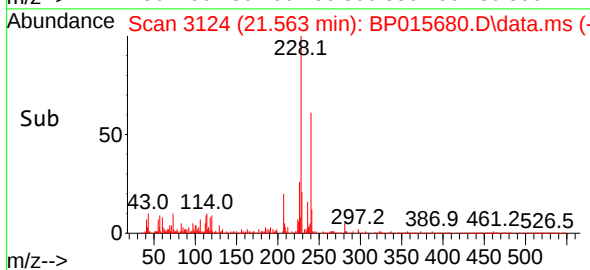
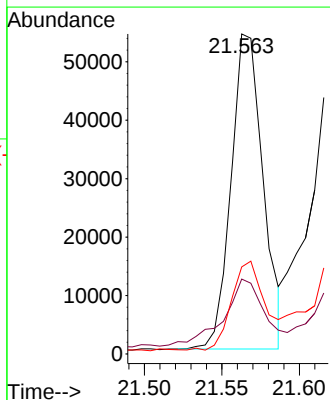
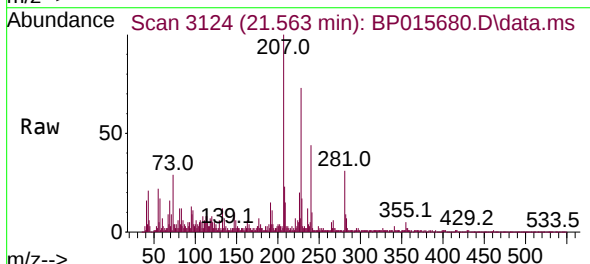
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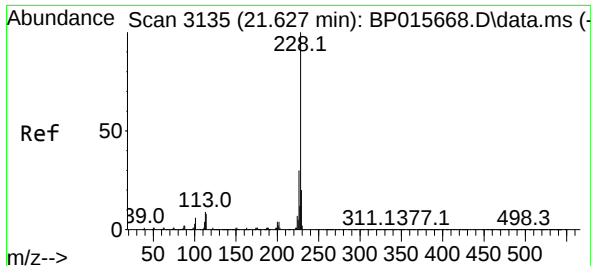
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#85
Benzo(a)anthracene
Concen: 1.856 ng/ul
RT: 21.563 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BP015680.D
Acq: 23 Jun 2023 20:01

Tgt Ion:228 Resp: 77500
Ion Ratio Lower Upper
228 100
229 23.4 15.8 23.6
226 27.2 21.8 32.6





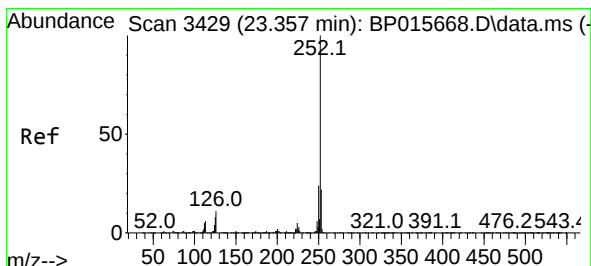
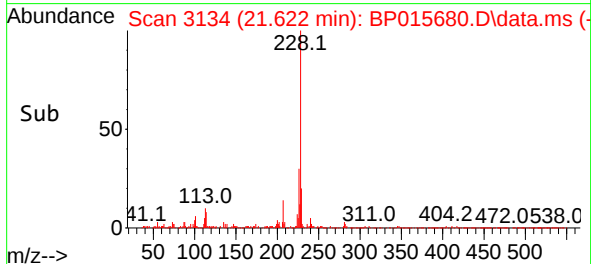
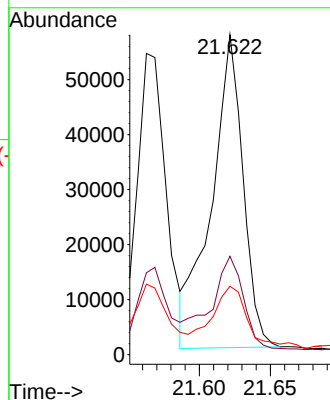
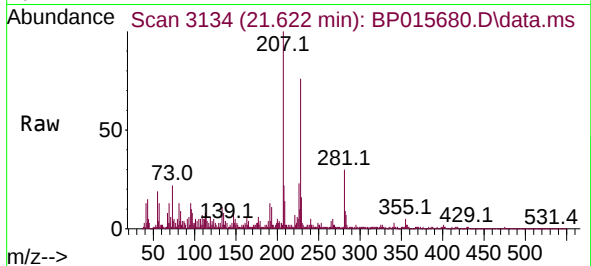
#87
Chrysene
Concen: 2.230 ng/ul
RT: 21.622 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BP015680.D
Acq: 23 Jun 2023 20:01

Instrument :
BNA_P
Client Sample Id :
DCFN2

Tgt Ion:228 Resp: 88040
Ion Ratio Lower Upper
228 100
226 30.8 23.9 35.9
229 21.4 15.1 22.7

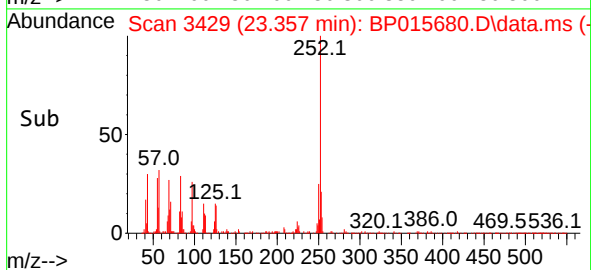
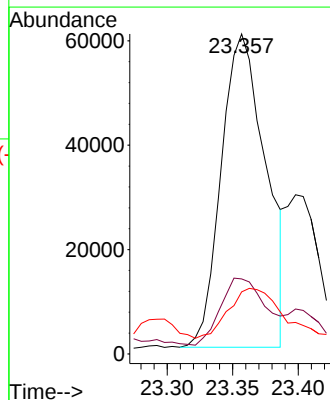
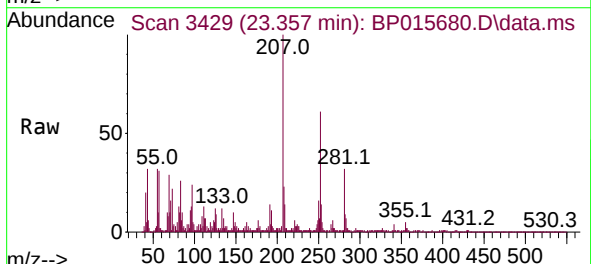
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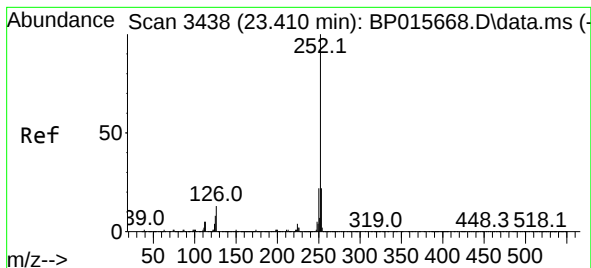
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#90
Benzo(b)fluoranthene
Concen: 3.006 ng/ul
RT: 23.357 min Scan# 3429
Delta R.T. 0.012 min
Lab File: BP015680.D
Acq: 23 Jun 2023 20:01

Tgt Ion:252 Resp: 141585
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 19.4 7.3 10.9#





#91

Benzo(k)fluoranthene

Concen: 1.209 ng/ul m

RT: 23.398 min Scan# 3438

Delta R.T. 0.000 min

Lab File: BP015680.D

Acq: 23 Jun 2023 20:01

Instrument :

BNA_P

ClientSampleId :

DCFN2

Tgt Ion:252 Resp: 55044

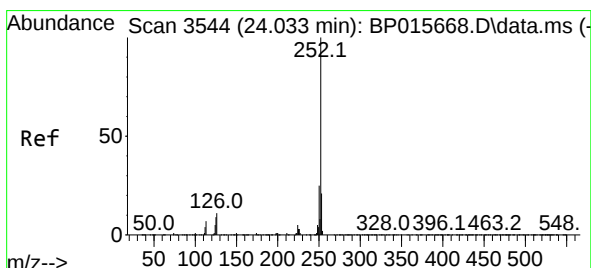
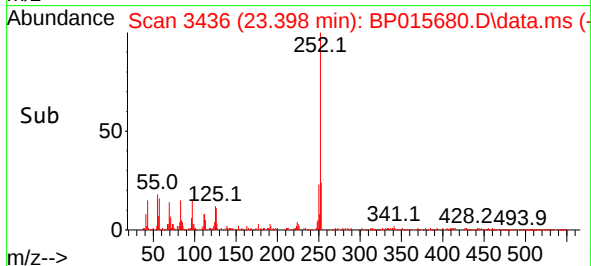
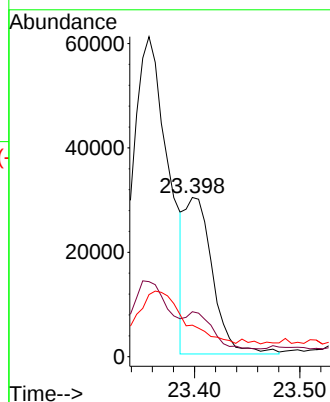
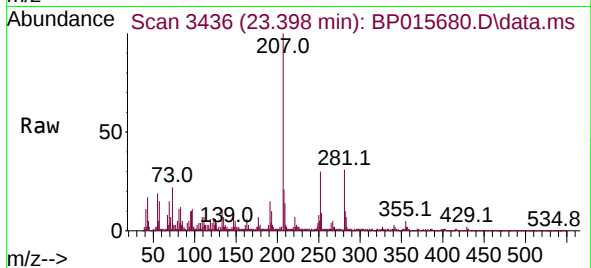
Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.7	26.5
125	19.8	7.3	10.9

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2023



#93

Benzo(a)pyrene

Concen: 2.019 ng/ul

RT: 24.027 min Scan# 3543

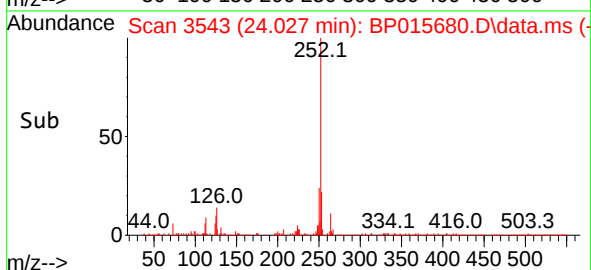
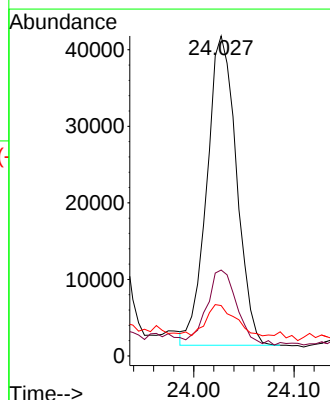
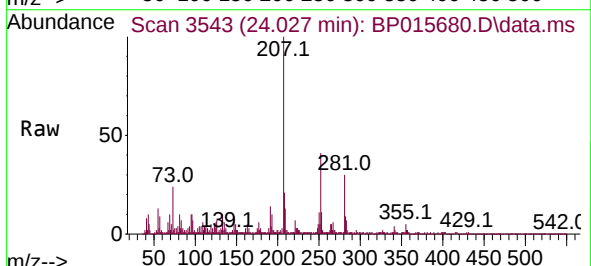
Delta R.T. 0.006 min

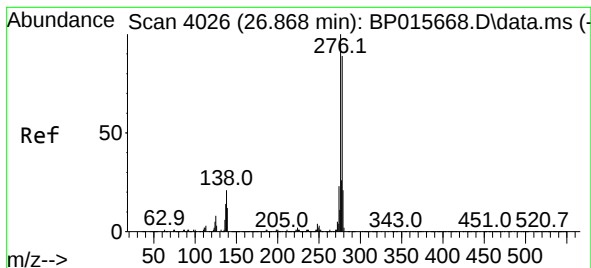
Lab File: BP015680.D

Acq: 23 Jun 2023 20:01

Tgt Ion:252 Resp: 82888

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.8	26.6
125	15.8	8.1	12.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.448 ng/ul

RT: 26.857 min Scan# 4026

Delta R.T. 0.018 min

Lab File: BP015680.D

Acq: 23 Jun 2023 20:01

Instrument :

BNA_P

ClientSampleId :

DCFN2

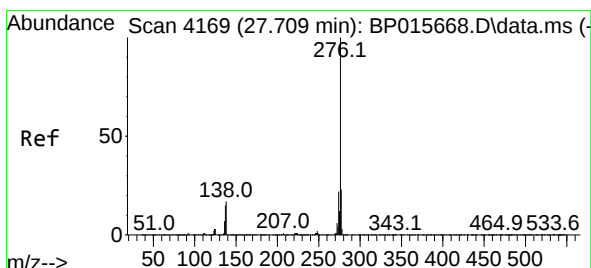
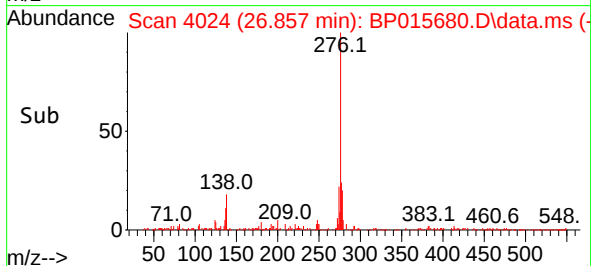
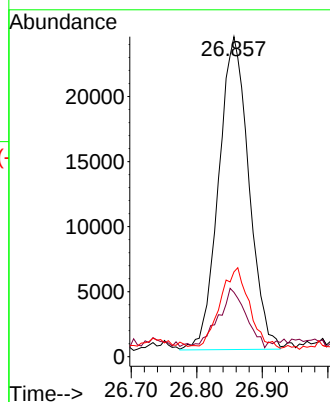
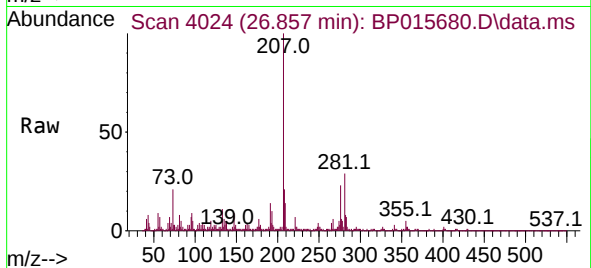
Tgt Ion:	276	Resp:	7696
Ion Ratio	Lower	Upper	
276	100		
138	20.1	17.3	25.9
277	26.5	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#96

Benzo(g,h,i)perylene

Concen: 1.691 ng/ul

RT: 27.704 min Scan# 4168

Delta R.T. 0.024 min

Lab File: BP015680.D

Acq: 23 Jun 2023 20:01

Tgt Ion:	276	Resp:	74058
Ion Ratio	Lower	Upper	
276	100		
138	18.5	15.6	23.4
277	25.3	19.0	28.6

