

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081823\
 Data File : BP016658.D
 Acq On : 19 Aug 2023 02:03
 Operator : MA/JU
 Sample : 03968-35
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A48Q3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023

Quant Time: Aug 19 02:40:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 17 01:38:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.052	152	294031	20.000	ng/u1	0.00
20) Naphthalene-d8	10.881	136	1334065	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.698	164	808741	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.469	188	1742224	20.000	ng/u1	0.00
79) Chrysene-d12	21.563	240	1187638	20.000	ng/u1	0.00
88) Perylene-d12	24.151	264	1027558	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	48978	6.330	ng/uL	0.00
4) Pyridine-d5	3.828	84	470523	19.986	ng/u1	0.00
7) Phenol-d5	7.187	99	782585	28.870	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.387	67	499091	27.954	ng/u1	0.00
11) 2-Chlorophenol-d4	7.569	132	568965	29.223	ng/u1	0.00
15) 4-Methylphenol-d8	8.752	113	602996	27.976	ng/u1	0.00
21) Nitrobenzene-d5	9.246	128	287201	30.596	ng/u1	0.00
24) 2-Nitrophenol-d4	9.963	143	302967	33.982	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	544845	31.054	ng/u1	0.00
31) 4-Chloroaniline-d4	11.034	131	767497	25.495	ng/u1	0.00
46) Dimethylphthalate-d6	14.110	166	1793022	30.652	ng/u1	0.00
49) Acenaphthylene-d8	14.398	160	2053805	31.107	ng/u1	0.00
54) 4-Nitrophenol-d4	14.904	143	252709	21.207	ng/u1	0.00
60) Fluorene-d10	15.693	176	1555824	31.199	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.816	200	164263	19.819	ng/u1	0.00
73) Anthracene-d10	17.569	188	2341702	31.073	ng/u1	0.00
81) Pyrene-d10	19.798	212	2569067	41.284	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.974	264	1612488	32.745	ng/u1	0.00
Target Compounds	Qvalue					
16) Acetophenone	8.899	105	127383	3.660	ng/u1	99
52) Acenaphthene	14.763	153	59160	1.137	ng/u1	98
61) Fluorene	15.751	166	75796	1.302	ng/u1	96
72) Phenanthrene	17.510	178	1257174	13.697	ng/u1	99
74) Anthracene	17.604	178	282648	3.066	ng/u1	98
80) Fluoranthene	19.469	202	1597593	21.510	ng/u1	99
82) Pyrene	19.828	202	1517044	19.343	ng/u1	98
85) Benzo(a)anthracene	21.545	228	641997	8.043	ng/u1	98
87) Chrysene	21.604	228	595223	7.969	ng/u1	98
90) Benzo(b)fluoranthene	23.345	252	569478	9.308	ng/u1	95
91) Benzo(k)fluoranthene	23.392	252	179048m	2.950	ng/u1	
93) Benzo(a)pyrene	24.027	252	406834	7.049	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.886	276	243565	3.576	ng/u1	97
95) Dibenzo(a,h)anthracene	26.915	278	65119	1.149	ng/u1#	85
96) Benzo(g,h,i)perylene	27.745	276	222058	4.096	ng/u1	96

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

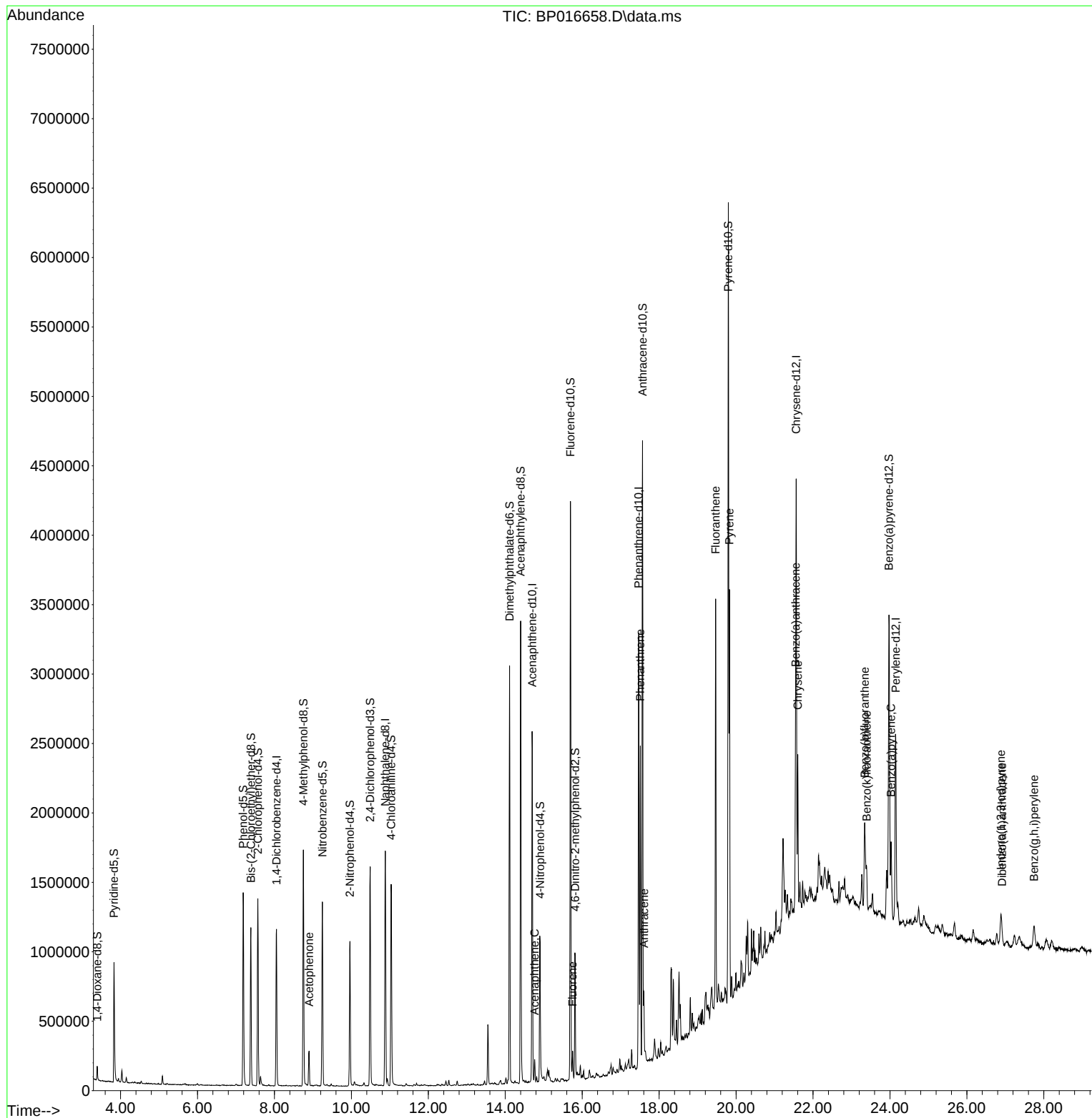
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081823\
Data File : BP016658.D
Acq On : 19 Aug 2023 02:03
Operator : MA/JU
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Misc :
ALS Vial : 27 Sample Multiplier: 1

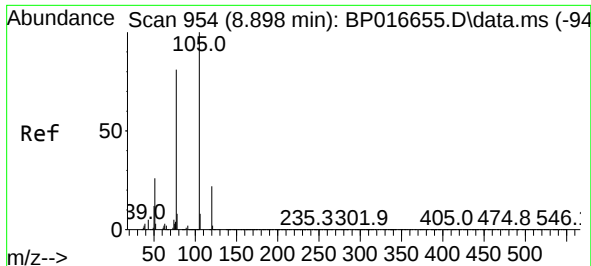
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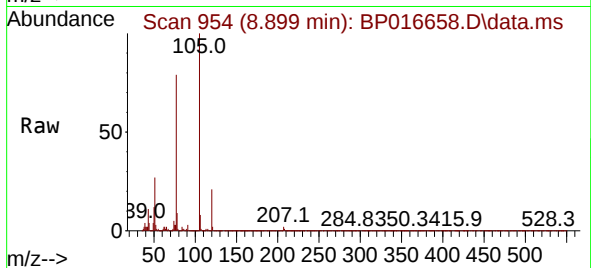
Quant Time: Aug 19 02:40:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081423.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 17 01:38:34 2023
Response via : Initial Calibration





#16
Acetophenone
Concen: 3.660 ng/ul
RT: 8.899 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP016658.D
Acq: 19 Aug 2023 02:03

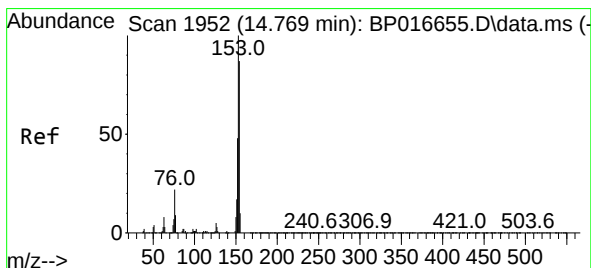
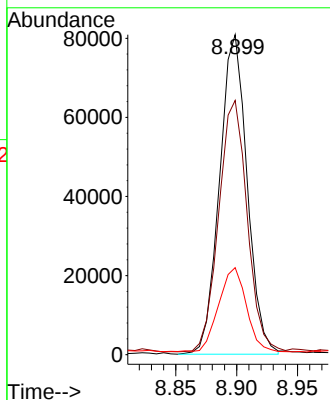
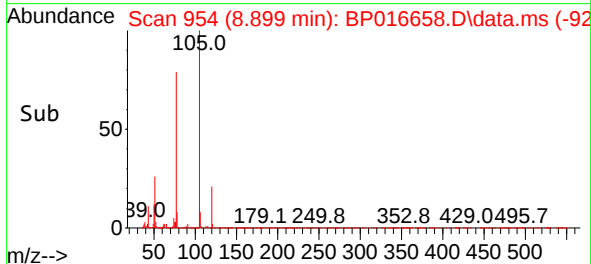
Instrument :
BNA_P
ClientSampleId :
A48Q3



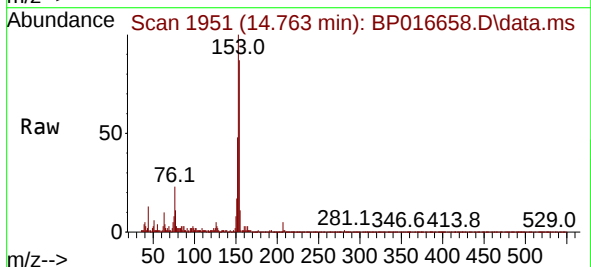
Tgt Ion:105 Resp: 12738
Ion Ratio Lower Upper
105 100
77 79.5 64.4 96.6
51 27.2 21.2 31.8

Manual Integrations
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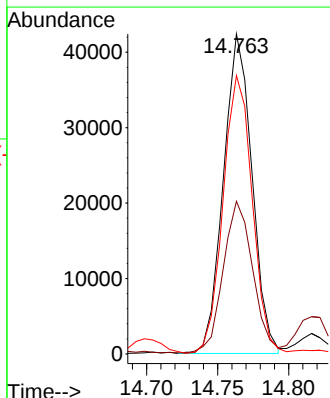
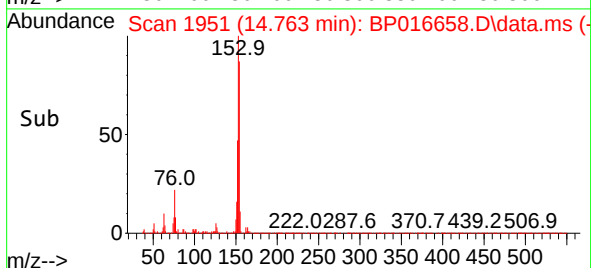
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023

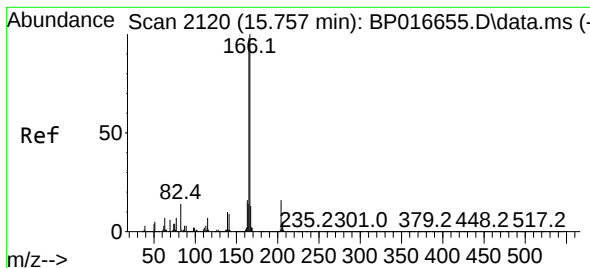


#52
Acenaphthene
Concen: 1.137 ng/ul
RT: 14.763 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP016658.D
Acq: 19 Aug 2023 02:03



Tgt Ion:153 Resp: 59160
Ion Ratio Lower Upper
153 100
152 47.7 38.7 58.1
154 87.0 72.0 108.0





#61

Fluorene

Concen: 1.302 ng/ul

RT: 15.751 min Scan# 2119

Delta R.T. 0.000 min

Lab File: BP016658.D

Acq: 19 Aug 2023 02:03

Instrument :

BNA_P

ClientSampleId :

A48Q3

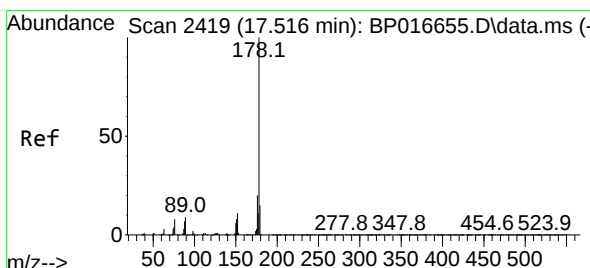
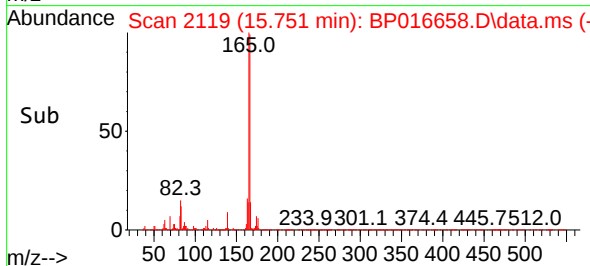
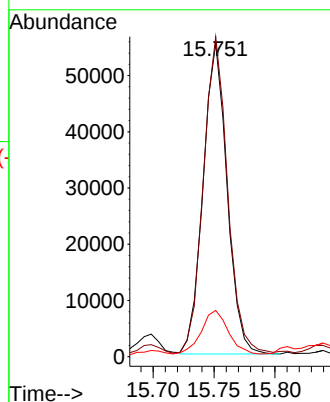
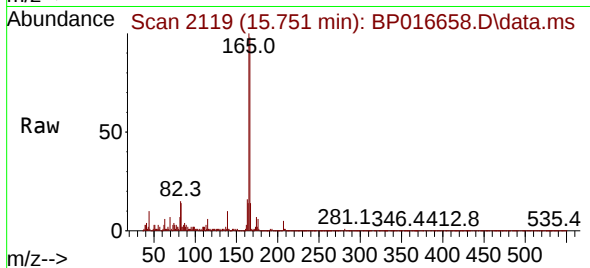
Tgt Ion:166 Resp: 75790
 Ion Ratio Lower Upper
 166 100
 165 102.2 78.3 117.5
 167 14.8 10.8 16.2

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#72

Phenanthrene

Concen: 13.697 ng/ul

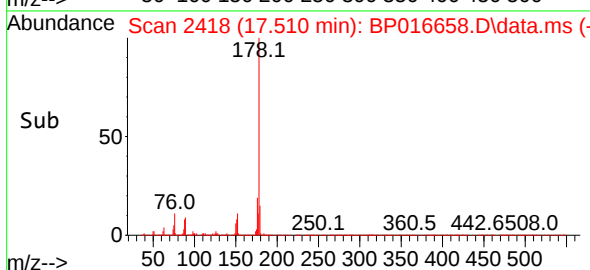
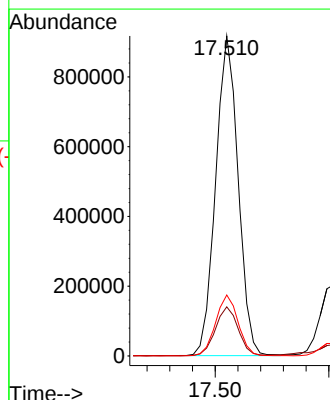
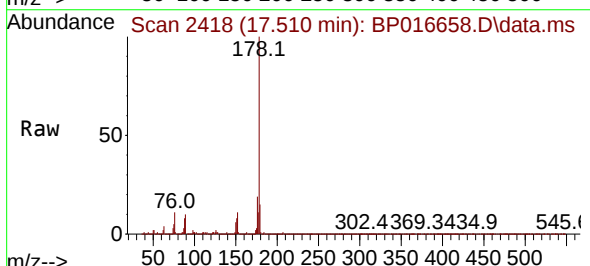
RT: 17.510 min Scan# 2418

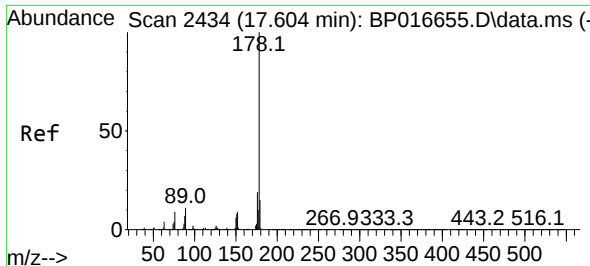
Delta R.T. 0.000 min

Lab File: BP016658.D

Acq: 19 Aug 2023 02:03

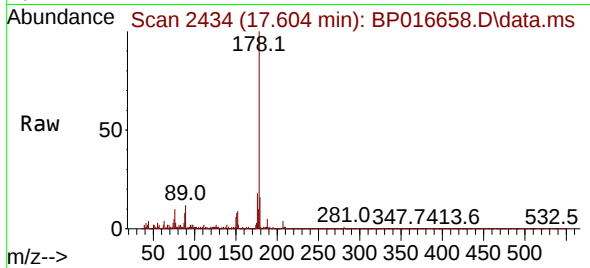
Tgt Ion:178 Resp: 1257174
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.4 18.6
 176 19.0 15.5 23.3





#74
 Anthracene
 Concen: 3.066 ng/u1
 RT: 17.604 min Scan# 2434
 Delta R.T. 0.000 min
 Lab File: BP016658.D
 Acq: 19 Aug 2023 02:03

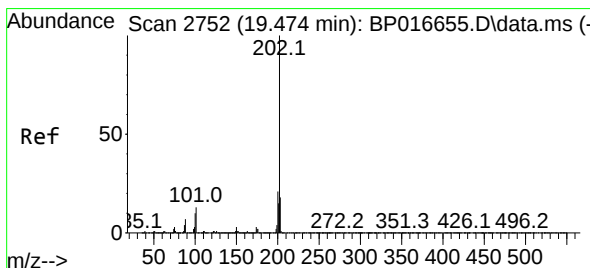
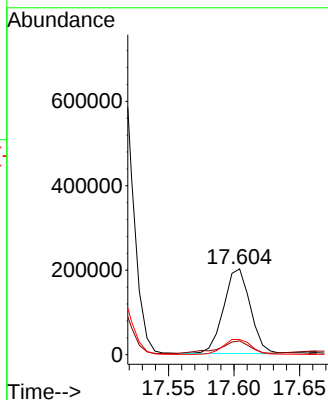
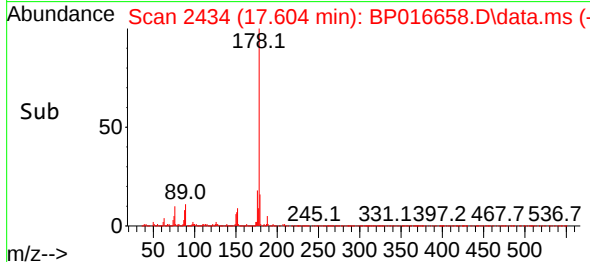
Instrument :
 BNA_P
 ClientSampleId :
 A48Q3



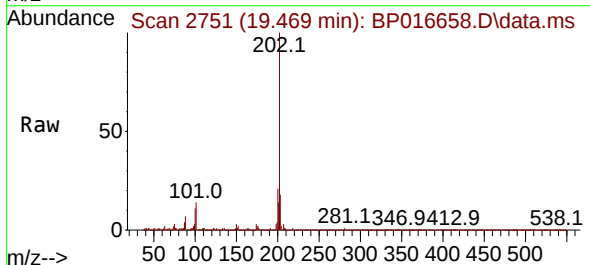
Tgt Ion:178 Resp: 282648
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.5 18.7
 176 17.7 14.9 22.3

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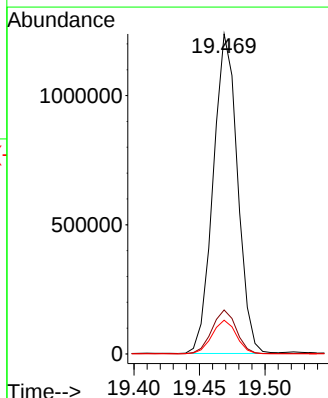
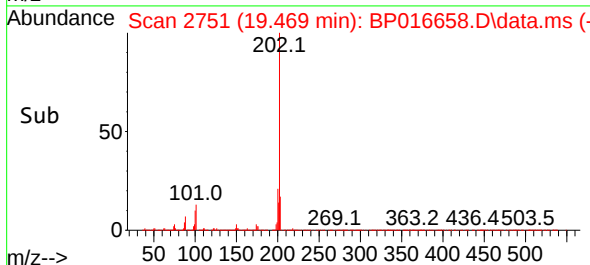
Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023

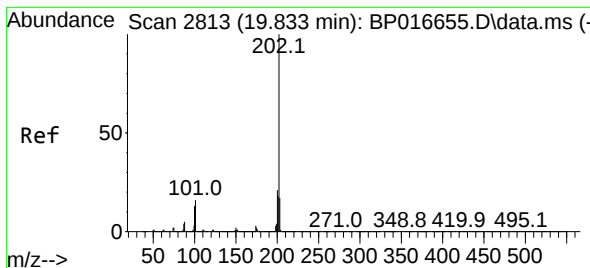


#80
 Fluoranthene
 Concen: 21.510 ng/u1
 RT: 19.469 min Scan# 2751
 Delta R.T. 0.000 min
 Lab File: BP016658.D
 Acq: 19 Aug 2023 02:03



Tgt Ion:202 Resp: 1597593
 Ion Ratio Lower Upper
 202 100
 101 13.7 10.6 16.0
 100 10.5 8.1 12.1





#82

Pyrene

Concen: 19.343 ng/ul

RT: 19.828 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP016658.D

Acq: 19 Aug 2023 02:03

Instrument :

BNA_P

ClientSampleId :

A48Q3

Tgt Ion:202 Resp: 151704

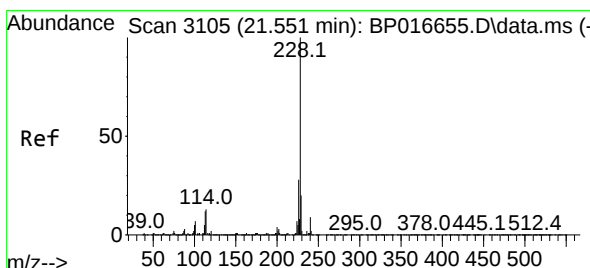
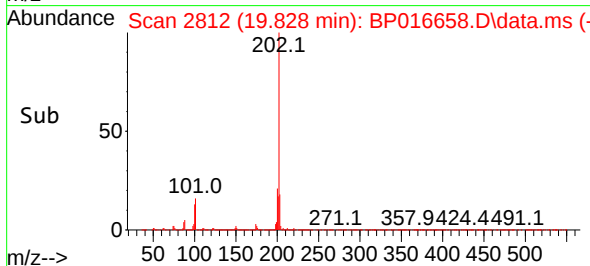
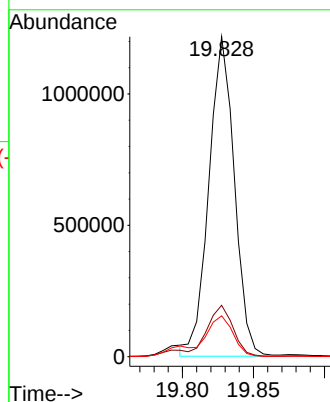
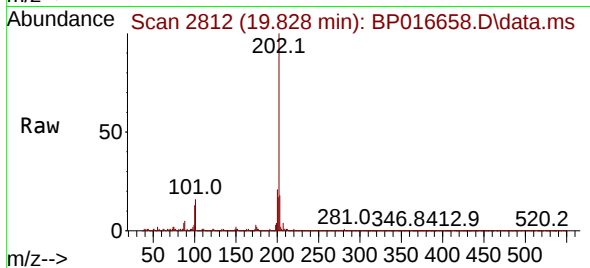
Ion	Ratio	Lower	Upper
202	100		
101	16.0	13.4	20.2
100	12.8	11.0	16.4

Manual Integrations

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Supervised By :mohammad ahmed 08/21/2023



#85

Benzo(a)anthracene

Concen: 8.043 ng/ul

RT: 21.545 min Scan# 3104

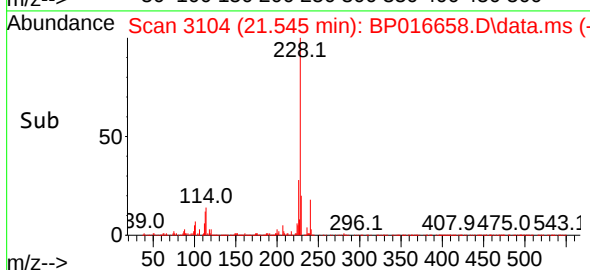
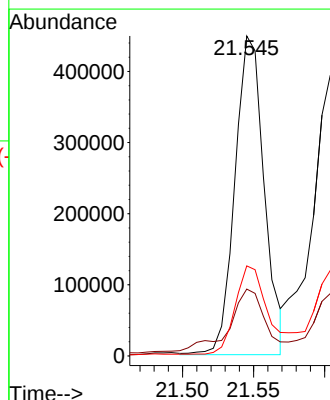
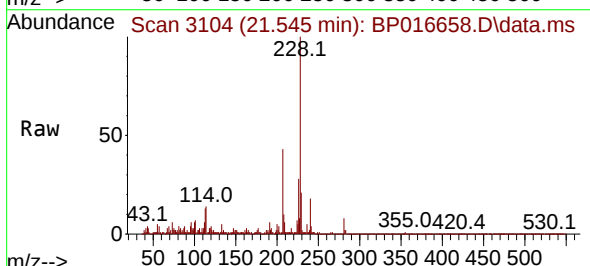
Delta R.T. 0.000 min

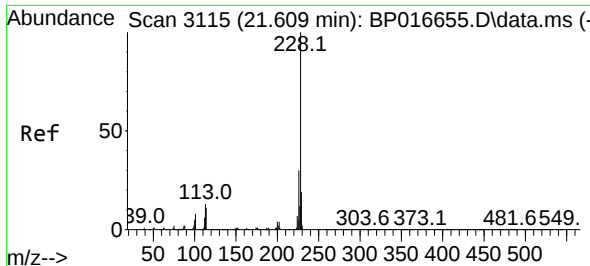
Lab File: BP016658.D

Acq: 19 Aug 2023 02:03

Tgt Ion:228 Resp: 641997

Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.6
226	28.1	21.8	32.6





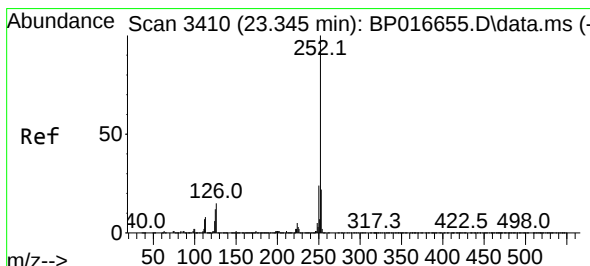
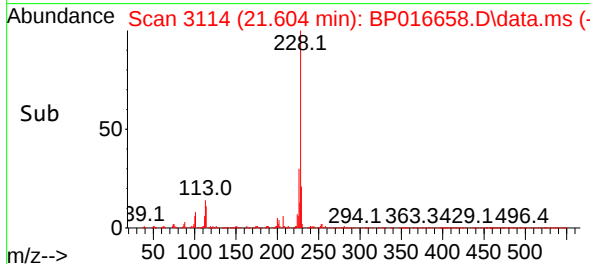
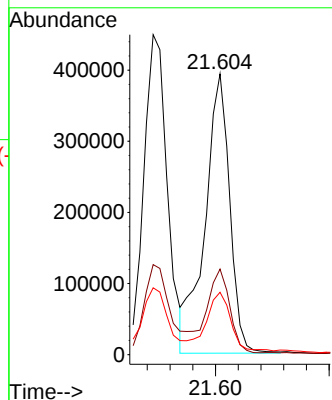
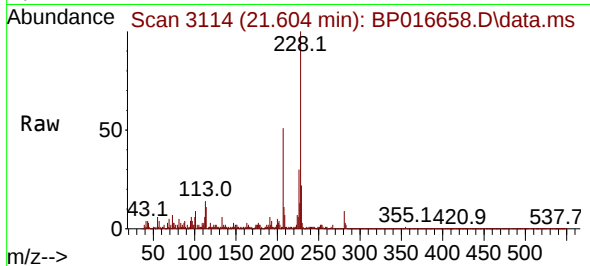
#87
Chrysene
Concen: 7.969 ng/ul
RT: 21.604 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BP016658.D
Acq: 19 Aug 2023 02:03

Instrument :
BNA_P
ClientSampleId :
A48Q3

Tgt Ion:228 Resp: 59522
Ion Ratio Lower Upper
228 100
226 30.5 24.6 36.8
229 22.2 16.4 24.6

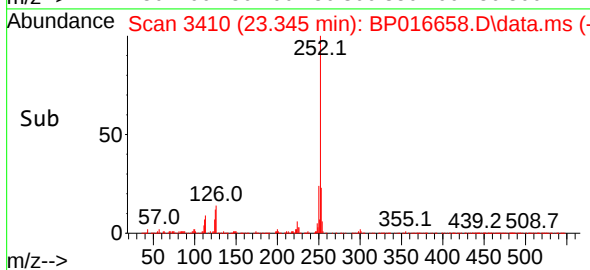
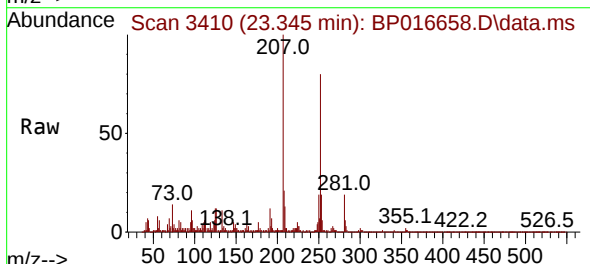
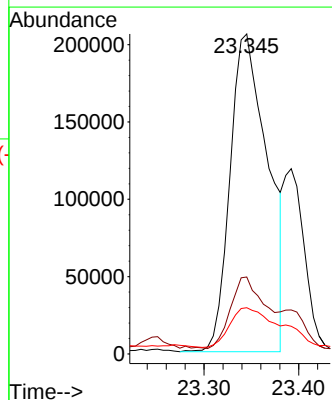
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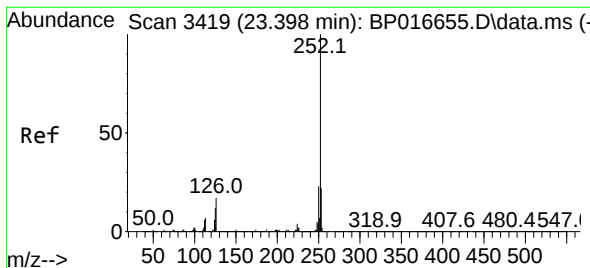
Reviewed By :Yogesh Patel 08/21/2023
Supervised By :mohammad ahmed 08/21/2023



#90
Benzo(b)fluoranthene
Concen: 9.308 ng/ul
RT: 23.345 min Scan# 3410
Delta R.T. 0.006 min
Lab File: BP016658.D
Acq: 19 Aug 2023 02:03

Tgt Ion:252 Resp: 569478
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 14.5 10.0 15.0





#91

Benzo(k)fluoranthene

Concen: 2.950 ng/ul m

RT: 23.392 min Scan# 3419

Delta R.T. 0.000 min

Lab File: BP016658.D

Acq: 19 Aug 2023 02:03

Instrument :

BNA_P

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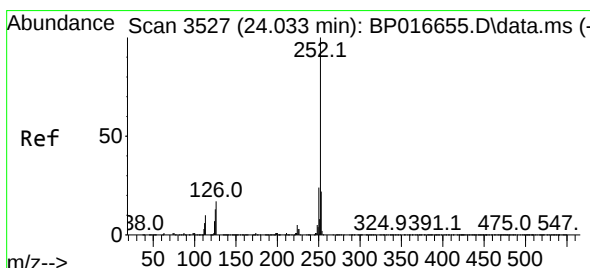
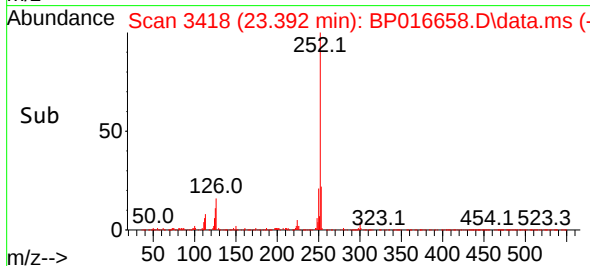
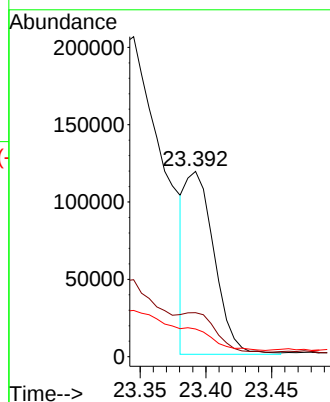
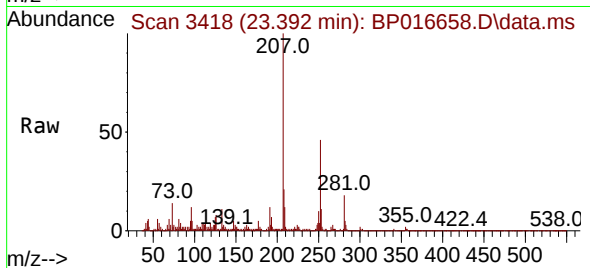
Tgt Ion:	252	Resp:	17904
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	14.9	9.8	14.8

Manual Integrations

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Supervised By :mohammad ahmed 08/21/2023



#93

Benzo(a)pyrene

Concen: 7.049 ng/ul

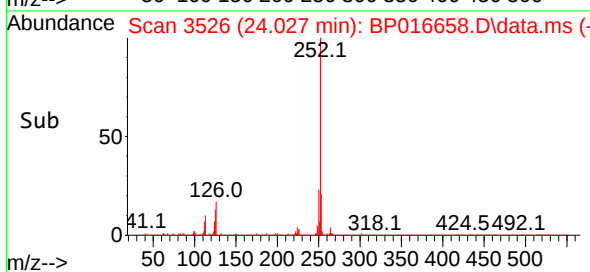
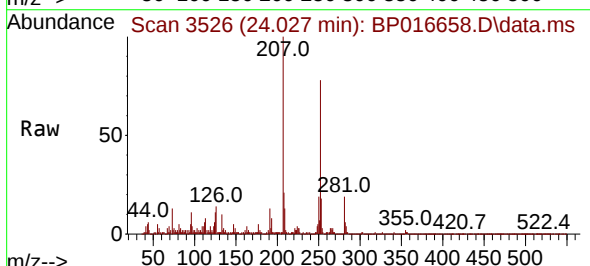
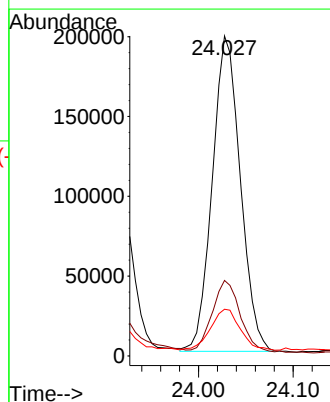
RT: 24.027 min Scan# 3526

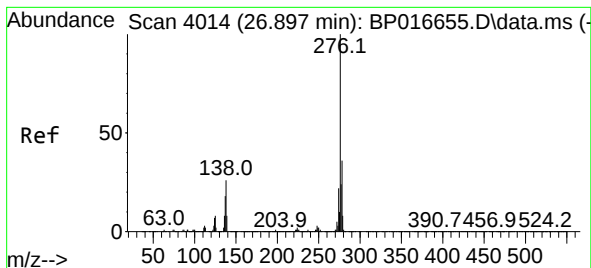
Delta R.T. 0.000 min

Lab File: BP016658.D

Acq: 19 Aug 2023 02:03

Tgt Ion:	252	Resp:	406834
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.7	26.5
125	14.6	10.6	15.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.576 ng/ul

RT: 26.886 min Scan# 4012

Delta R.T. 0.000 min

Lab File: BP016658.D

Acq: 19 Aug 2023 02:03

Instrument :

BNA_P

ClientSampleId :

A48Q3

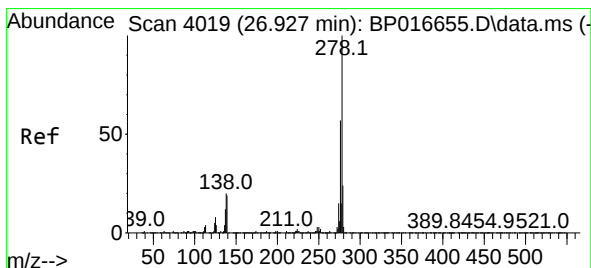
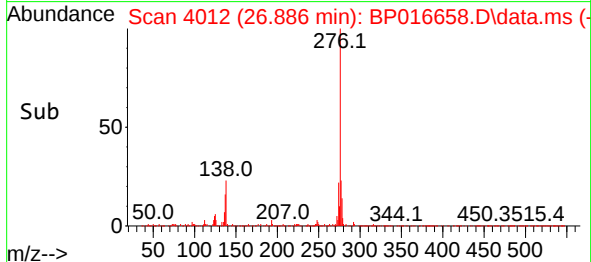
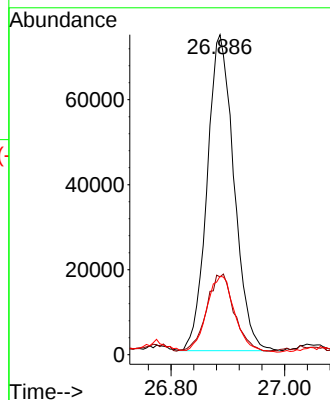
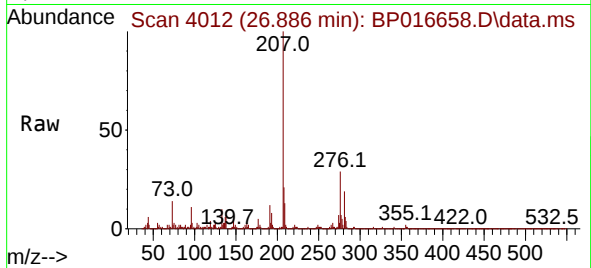
Tgt Ion:	276	Resp:	24356
Ion Ratio	Lower	Upper	
276	100		
138	24.3	21.7	32.5
277	24.5	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2023

Supervised By :mohammad ahmed 08/21/2023



#95

Dibenzo(a,h)anthracene

Concen: 1.149 ng/ul

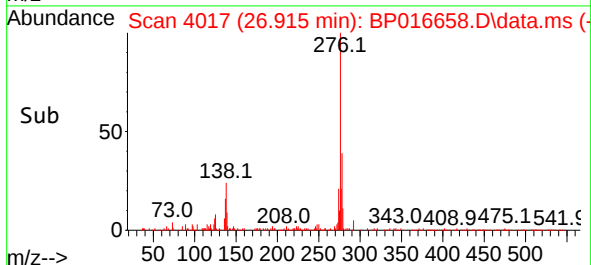
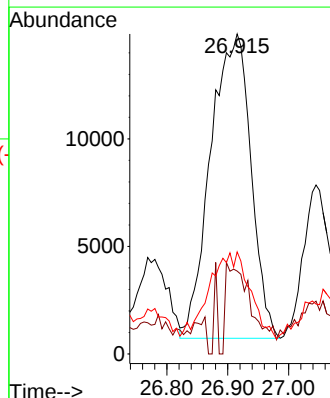
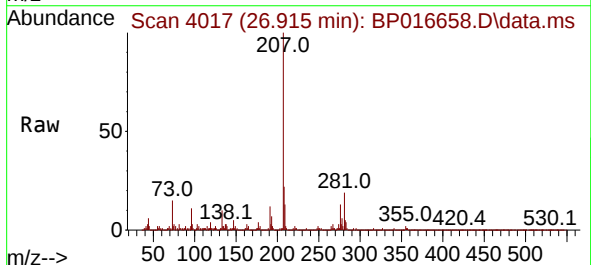
RT: 26.915 min Scan# 4017

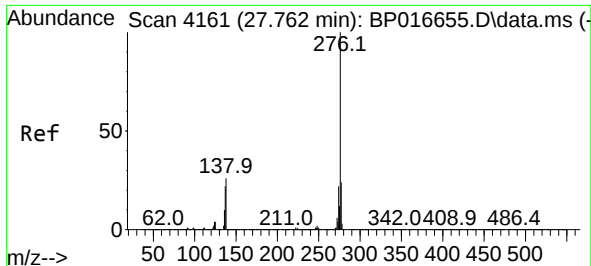
Delta R.T. 0.000 min

Lab File: BP016658.D

Acq: 19 Aug 2023 02:03

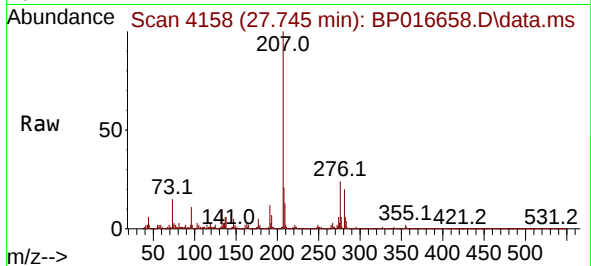
Tgt Ion:	278	Resp:	65119
Ion Ratio	Lower	Upper	
278	100		
139	25.9	15.5	23.3#
279	31.9	19.1	28.7#





#96
 Benzo(g,h,i)perylene
 Concen: 4.096 ng/ul
 RT: 27.745 min Scan# 4158
 Delta R.T. 0.000 min
 Lab File: BP016658.D
 Acq: 19 Aug 2023 02:03

Instrument :
 BNA_P
 ClientSampleId :
 A48Q3



Tgt Ion:	276	Resp:	222058
Ion Ratio	Lower	Upper	
276	100		
138	24.5	21.5	32.3
277	25.2	19.3	28.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2023
 Supervised By :mohammad ahmed 08/21/2023

