

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071524\
 Data File : BP020985.D
 Acq On : 16 Jul 2024 10:44
 Operator : MA/JU
 Sample : P3177-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BX5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 16 23:08:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 15 12:22:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	215442	20.000	ng/u1	0.01
20) Naphthalene-d8	10.452	136	868543	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.298	164	559251	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.116	188	1185850	20.000	ng/u1	0.00
79) Chrysene-d12	21.563	240	1152429	20.000	ng/u1	0.01
88) Perylene-d12	24.845	264	1367790	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	18176	3.839	ng/uL	0.00
4) Pyridine-d5	3.658	84	259583	18.939	ng/u1	0.00
7) Phenol-d5	6.899	99	420142	23.920	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.046	67	252053	23.679	ng/u1	0.01
11) 2-Chlorophenol-d4	7.246	132	355028	24.533	ng/u1	0.01
15) 4-Methylphenol-d8	8.405	113	358296	24.561	ng/u1	0.01
21) Nitrobenzene-d5	8.846	128	175633	26.035	ng/u1	0.02
24) 2-Nitrophenol-d4	9.552	143	206042	26.685	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.093	165	352721	25.263	ng/u1	0.00
31) 4-Chloroaniline-d4	10.599	131	481082	26.010	ng/u1	0.01
46) Dimethylphthalate-d6	13.722	166	1180280	29.032	ng/u1	0.01
49) Acenaphthylene-d8	13.993	160	1341724	29.392	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.575	143	148073m	25.599	ng/u1	0.00
60) Fluorene-d10	15.316	176	1016104	30.465	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.475	200	150229	20.938	ng/u1	0.01
73) Anthracene-d10	17.216	188	1578218	29.965	ng/u1	0.00
81) Pyrene-d10	19.604	212	1853663	26.017	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.621	264	2018180	29.917	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.499	128	68244	1.494	ng/u1	98
52) Acenaphthene	14.369	153	112296	3.273	ng/u1	99
56) Dibenzofuran	14.722	168	79117	1.684	ng/u1	98
61) Fluorene	15.381	166	99943	2.607	ng/u1	96
72) Phenanthrene	17.157	178	1046807	17.016	ng/u1	99
74) Anthracene	17.257	178	140867	2.246	ng/u1	97
77) Carbazole	17.551	167	92435	1.803	ng/u1	98
80) Fluoranthene	19.257	202	1064020	12.366	ng/u1	100
82) Pyrene	19.639	202	883231	10.088	ng/u1	100
85) Benzo(a)anthracene	21.545	228	346749	4.295	ng/u1	96
87) Chrysene	21.610	228	351904	4.691	ng/u1	97
90) Benzo(b)fluoranthene	23.810	252	414440	4.993	ng/u1#	93
91) Benzo(k)fluoranthene	23.868	252	146421m	1.768	ng/u1	
93) Benzo(a)pyrene	24.686	252	281838	3.593	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.586	276	175087m	1.732	ng/u1	
96) Benzo(g,h,i)perylene	29.750	276	162043	1.969	ng/u1	96

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

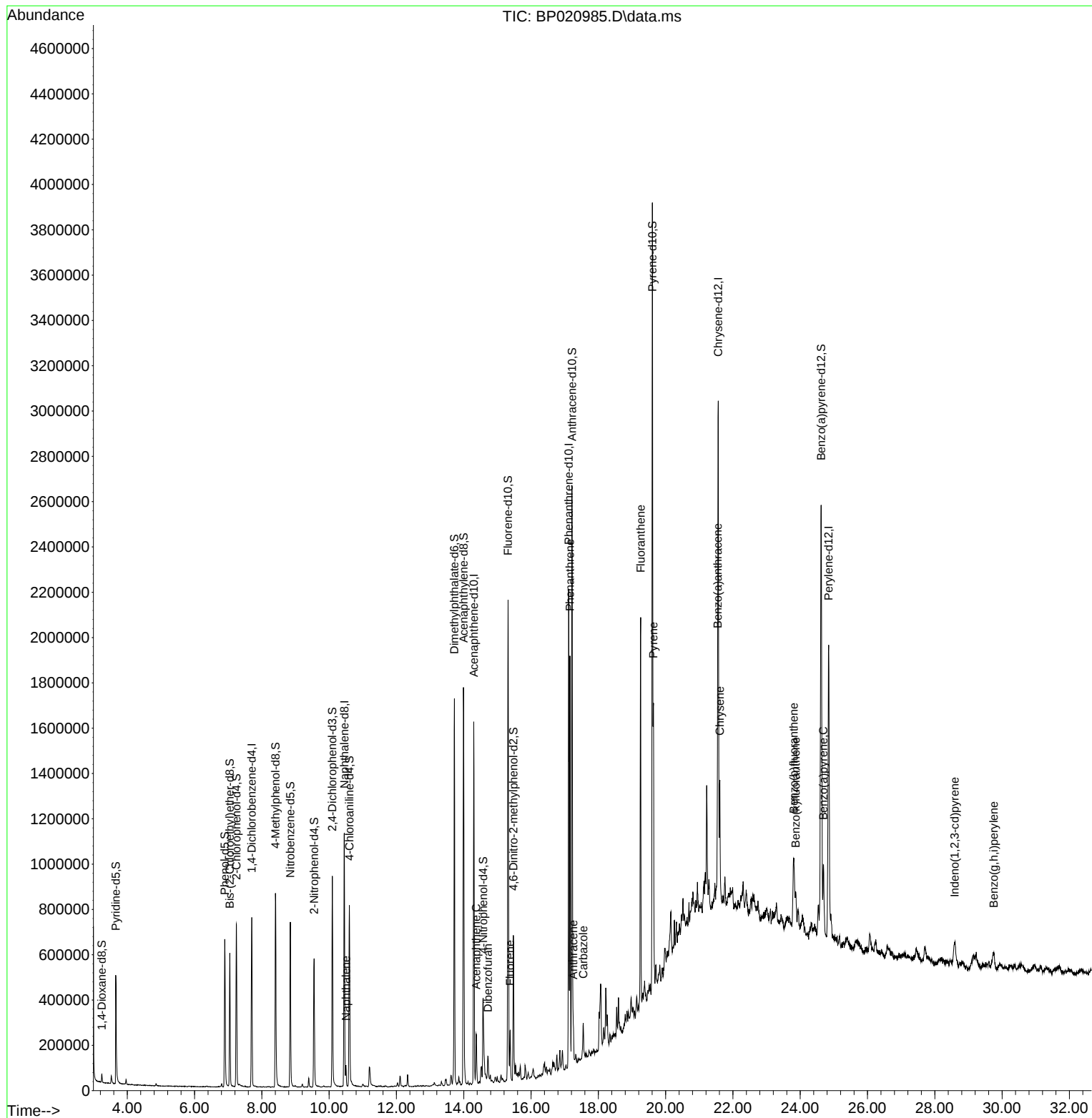
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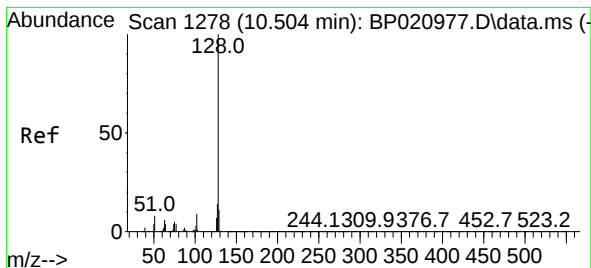
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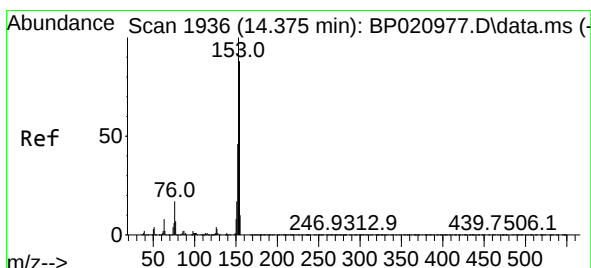
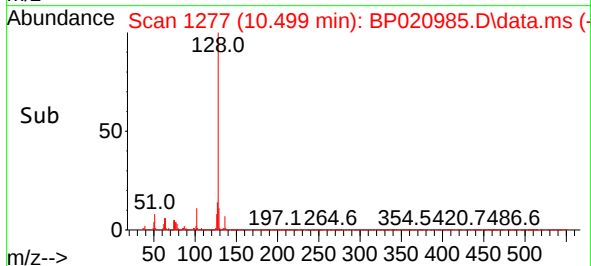
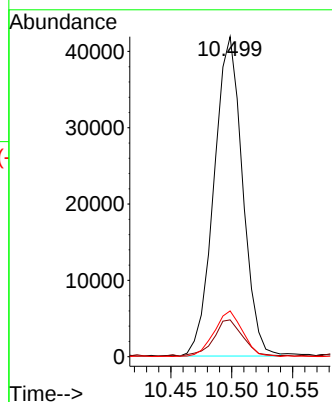
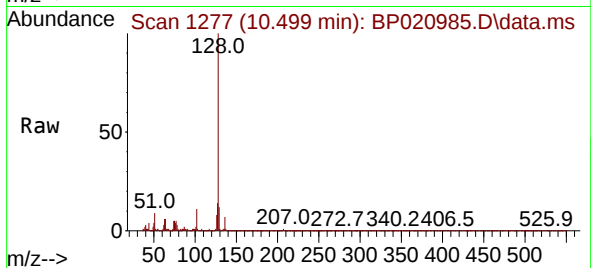
#30
Naphthalene
Concen: 1.494 ng/ul
RT: 10.499 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BP020985.D
Acq: 16 Jul 2024 10:44

Instrument :
BNA_P
ClientSampleId :
A4BX5

Tgt Ion:128 Resp: 68244
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 14.3 10.8 16.2

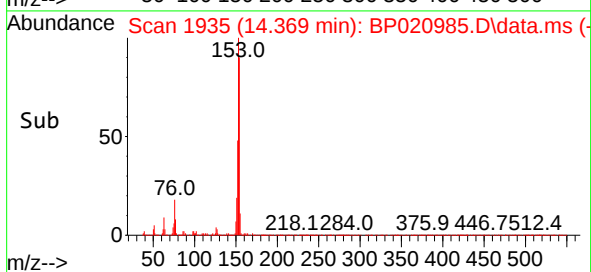
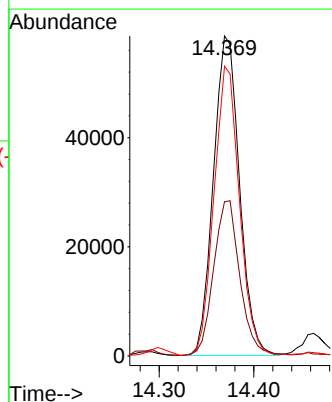
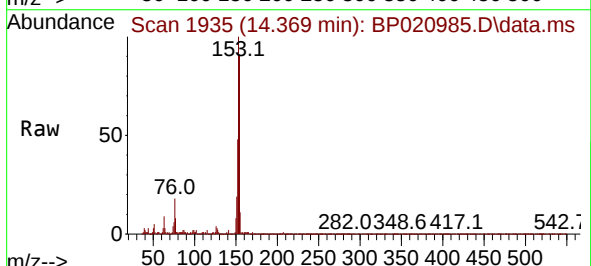
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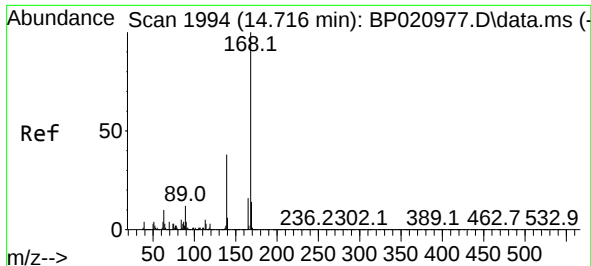
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#52
Acenaphthene
Concen: 3.273 ng/ul
RT: 14.369 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BP020985.D
Acq: 16 Jul 2024 10:44

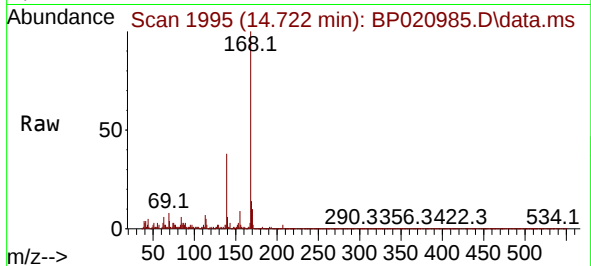
Tgt Ion:153 Resp: 112296
Ion Ratio Lower Upper
153 100
152 48.2 37.8 56.6
154 90.5 71.8 107.6





#56
Dibenzofuran
Concen: 1.684 ng/ul
RT: 14.722 min Scan# 1994
Delta R.T. 0.012 min
Lab File: BP020985.D
Acq: 16 Jul 2024 10:44

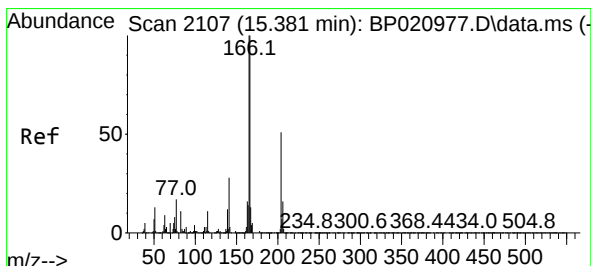
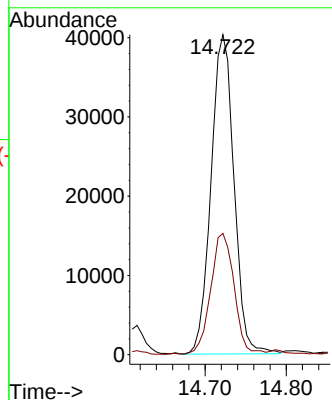
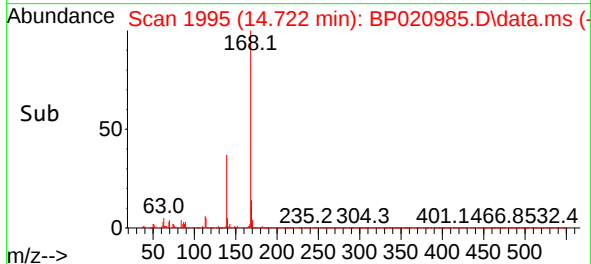
Instrument :
BNA_P
ClientSampleId :
A4BX5



Tgt Ion:168 Resp: 7911
Ion Ratio Lower Upper
168 100
139 37.9 31.1 46.7

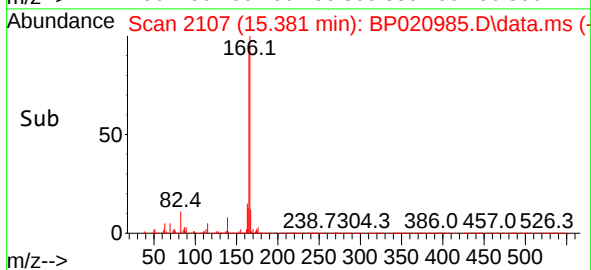
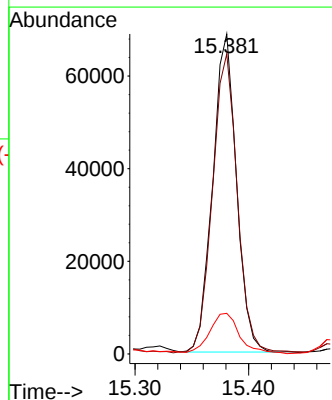
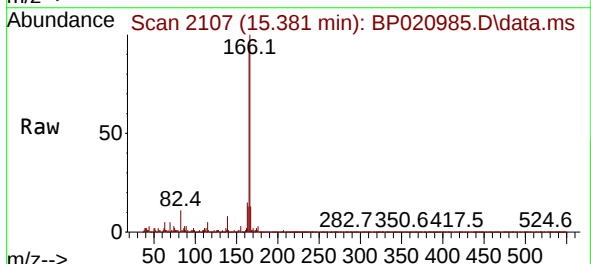
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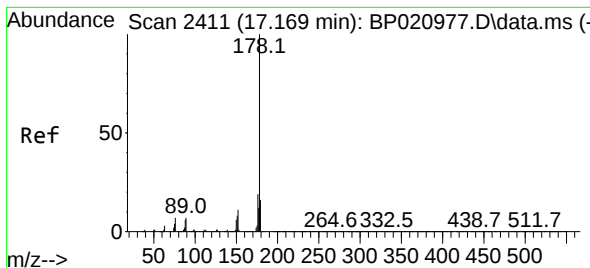
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024



#61
Fluorene
Concen: 2.607 ng/ul
RT: 15.381 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP020985.D
Acq: 16 Jul 2024 10:44

Tgt Ion:166 Resp: 99943
Ion Ratio Lower Upper
166 100
165 93.8 78.1 117.1
167 12.7 10.9 16.3





#72

Phenanthrene

Concen: 17.016 ng/ul

RT: 17.157 min Scan# 2411

Delta R.T. -0.006 min

Lab File: BP020985.D

Acq: 16 Jul 2024 10:44

Instrument :

BNA_P

ClientSampleId :

A4BX5

Tgt Ion:178 Resp: 104680

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

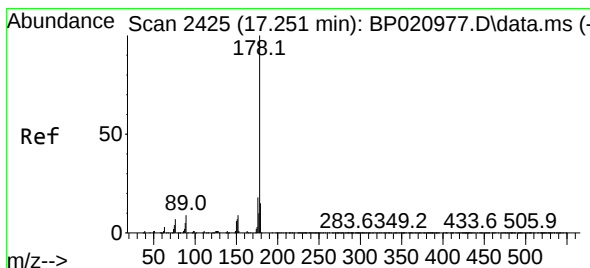
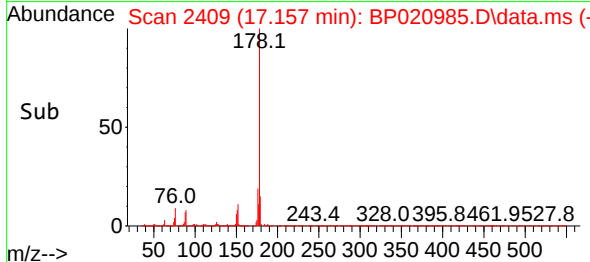
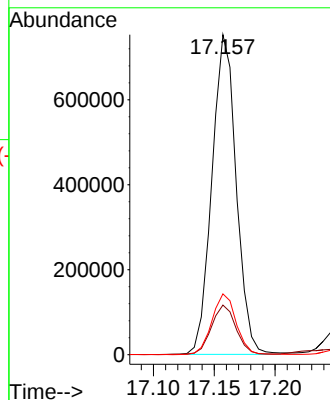
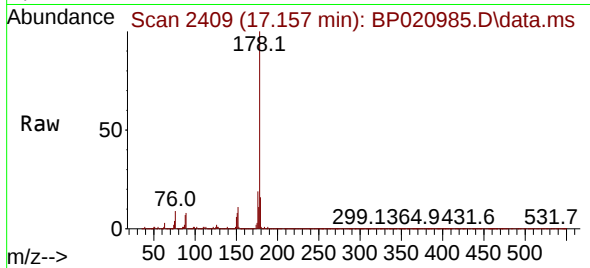
176 19.0 15.0 22.4

Manual Integrations

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Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/18/2024



#74

Anthracene

Concen: 2.246 ng/ul

RT: 17.257 min Scan# 2426

Delta R.T. -0.000 min

Lab File: BP020985.D

Acq: 16 Jul 2024 10:44

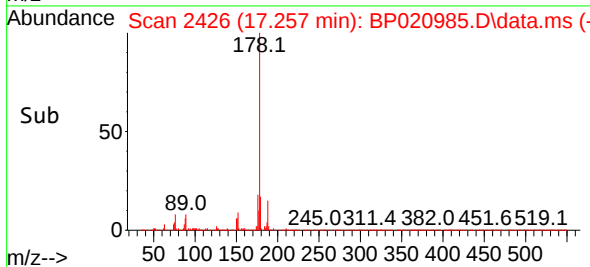
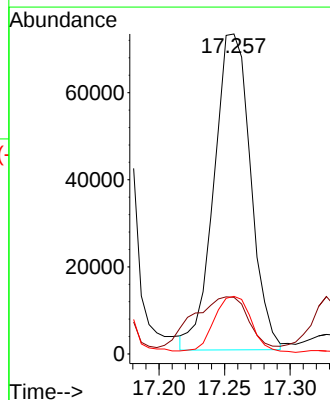
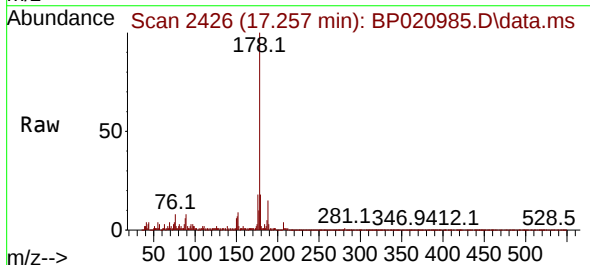
Tgt Ion:178 Resp: 140867

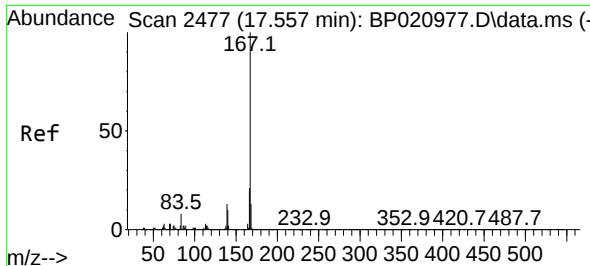
Ion Ratio Lower Upper

178 100

179 17.7 12.5 18.7

176 18.0 14.8 22.2





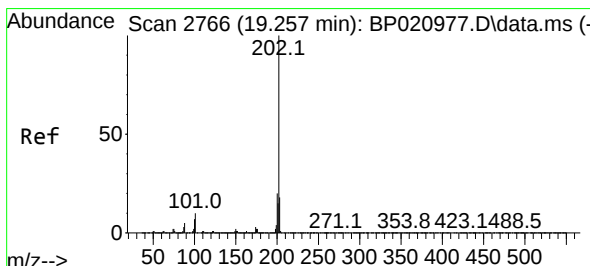
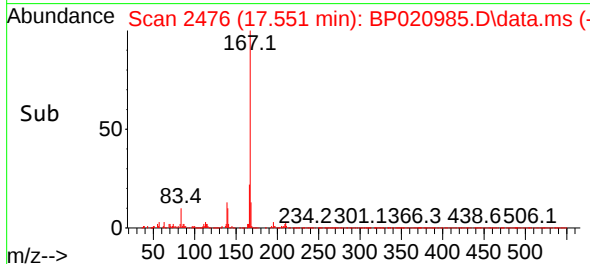
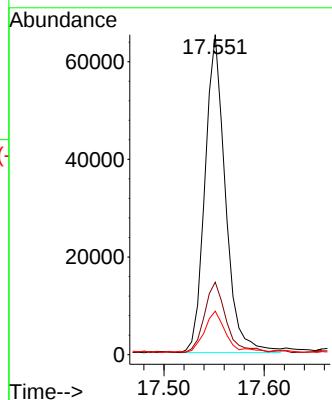
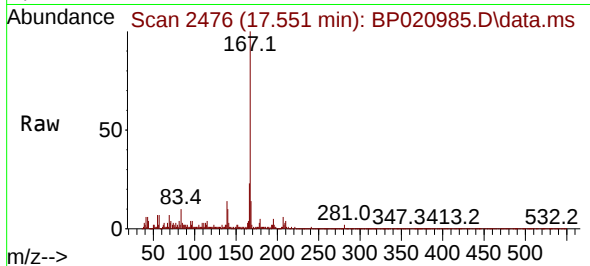
#77
 Carbazole
 Concen: 1.803 ng/ul
 RT: 17.551 min Scan# 2477
 Delta R.T. 0.012 min
 Lab File: BP020985.D
 Acq: 16 Jul 2024 10:44

Instrument :
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 ClientSampleId :
 A4BX5

Tgt Ion:	167	Resp:	92435
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.3	25.9
139	13.6	10.2	15.2

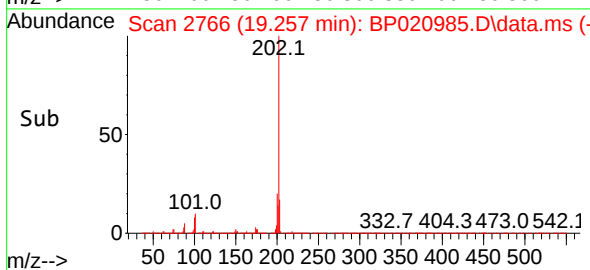
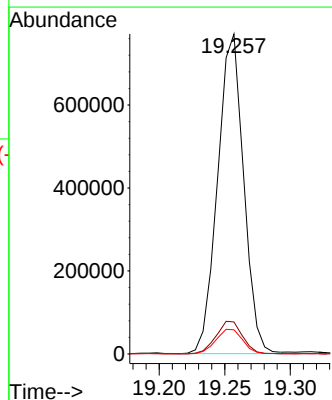
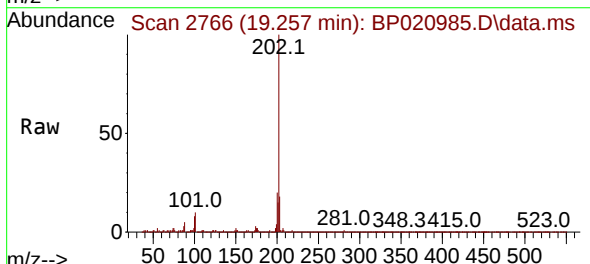
Manual Integrations
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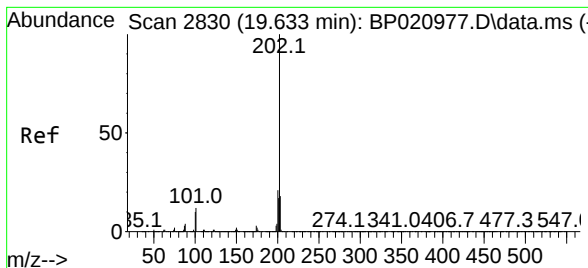
Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/18/2024



#80
 Fluoranthene
 Concen: 12.366 ng/ul
 RT: 19.257 min Scan# 2766
 Delta R.T. 0.006 min
 Lab File: BP020985.D
 Acq: 16 Jul 2024 10:44

Tgt Ion:	202	Resp:	1064020
Ion Ratio	Lower	Upper	
202	100		
101	10.0	8.0	12.0
100	7.6	6.1	9.1





#82

Pyrene

Concen: 10.088 ng/ul

RT: 19.639 min Scan# 2831

Delta R.T. 0.012 min

Lab File: BP020985.D

Acq: 16 Jul 2024 10:44

Instrument :

BNA_P

ClientSampleId :

A4BX5

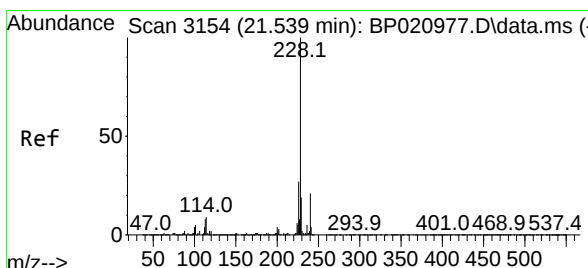
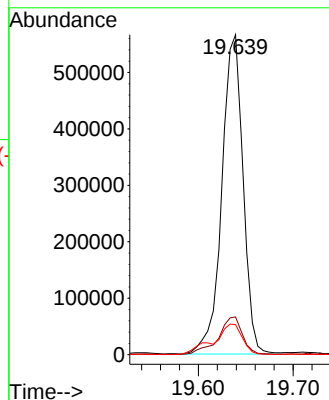
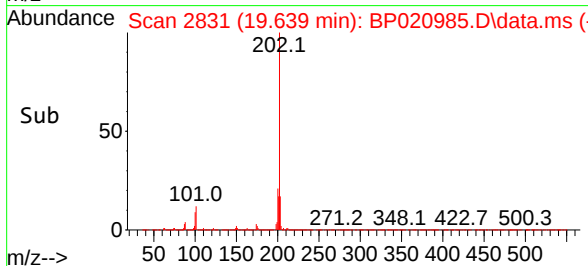
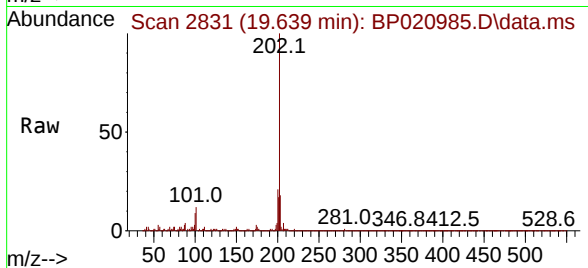
Tgt Ion:	202	Resp:	88323
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.4	14.2
100	9.4	7.8	11.6

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 4.295 ng/ul

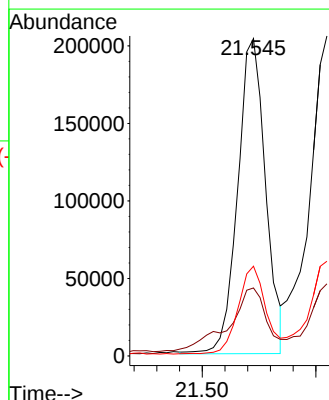
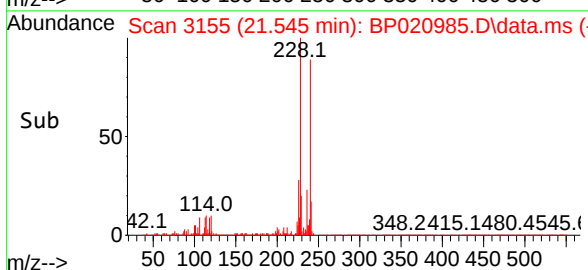
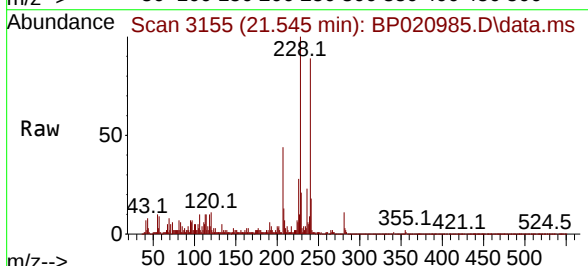
RT: 21.545 min Scan# 3155

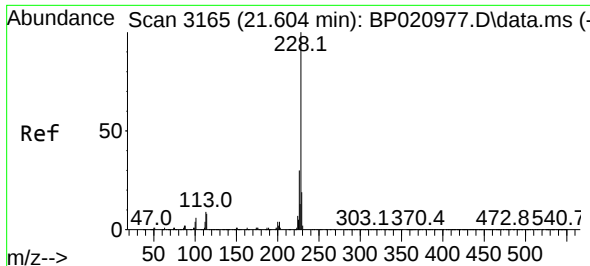
Delta R.T. 0.012 min

Lab File: BP020985.D

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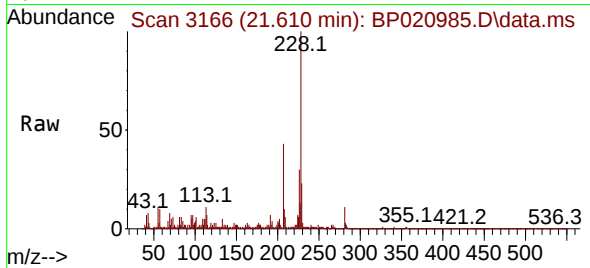
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Ion Ratio	Lower	Upper	
228	100		
229	21.4	15.5	23.3
226	28.3	21.4	32.2





#87
Chrysene
Concen: 4.691 ng/ul
RT: 21.610 min Scan# 3165
Delta R.T. 0.012 min
Lab File: BP020985.D
Acq: 16 Jul 2024 10:44

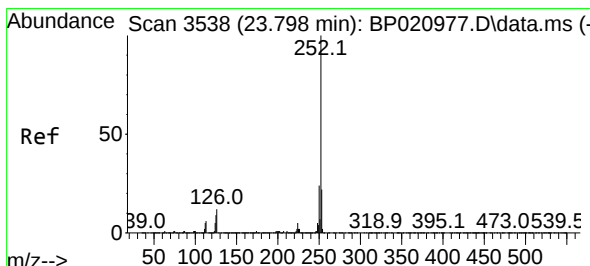
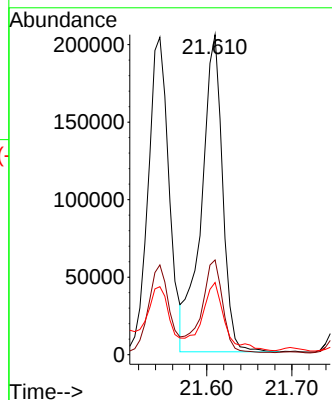
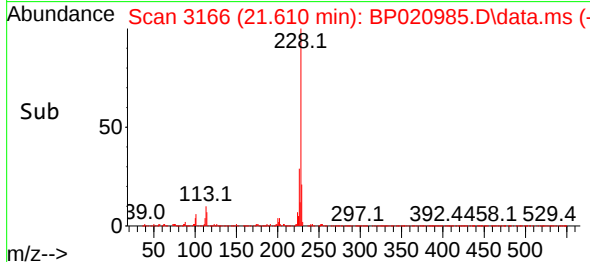
Instrument :
BNA_P
ClientSampleId :
A4BX5



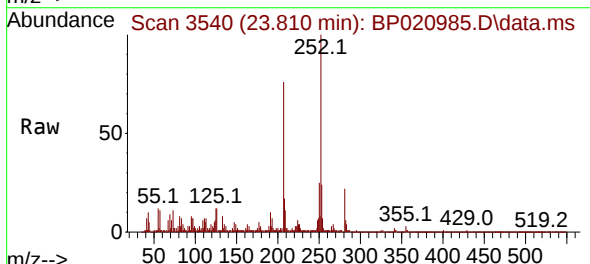
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Ion Ratio Lower Upper
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226 29.6 23.6 35.4
229 22.6 15.5 23.3

Manual Integrations
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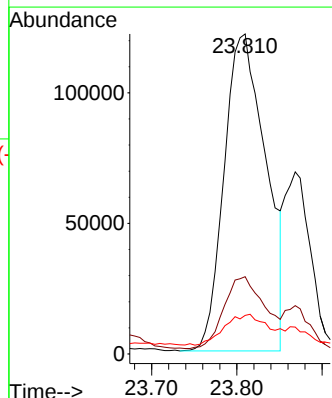
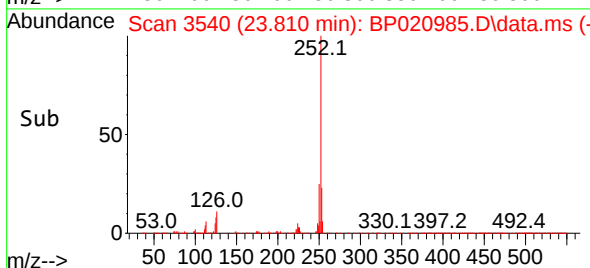
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/18/2024

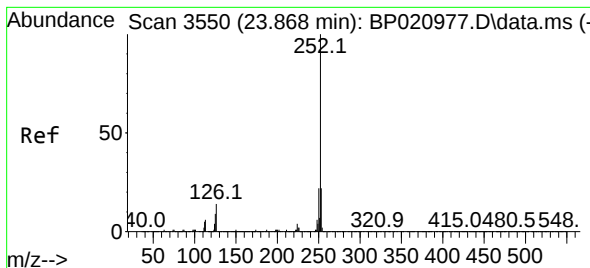


#90
Benzo(b)fluoranthene
Concen: 4.993 ng/ul
RT: 23.810 min Scan# 3540
Delta R.T. 0.029 min
Lab File: BP020985.D
Acq: 16 Jul 2024 10:44



Tgt Ion:252 Resp: 414440
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 12.0 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 1.768 ng/ul m

RT: 23.868 min Scan# 3

Delta R.T. 0.018 min

Lab File: BP020985.D

Acq: 16 Jul 2024 10:44

Instrument :

BNA_P

ClientSampleId :

A4BX5

Tgt Ion:252 Resp: 14642

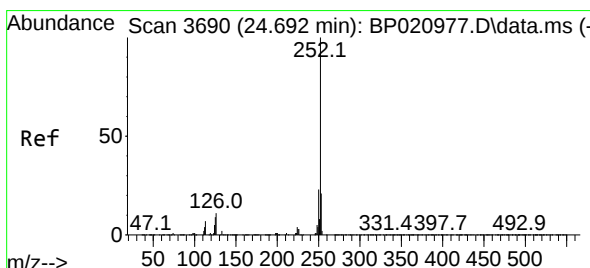
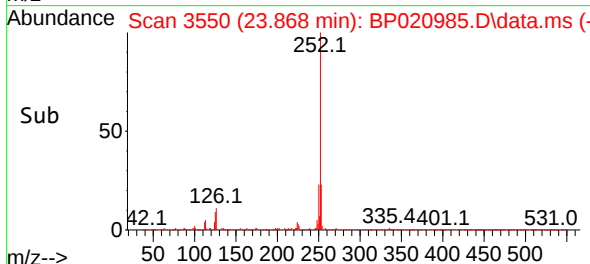
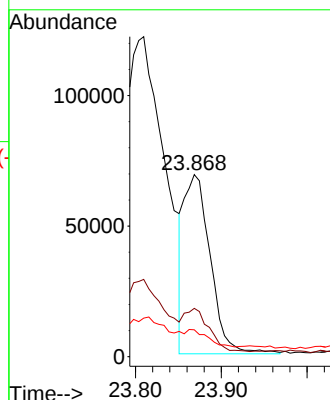
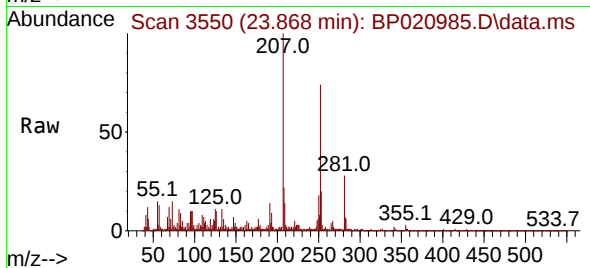
Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.4	26.2
125	14.8	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/18/2024



#93

Benzo(a)pyrene

Concen: 3.593 ng/ul

RT: 24.686 min Scan# 3689

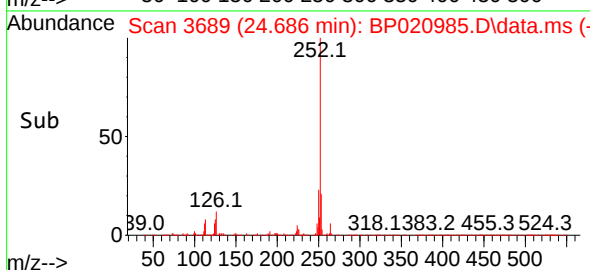
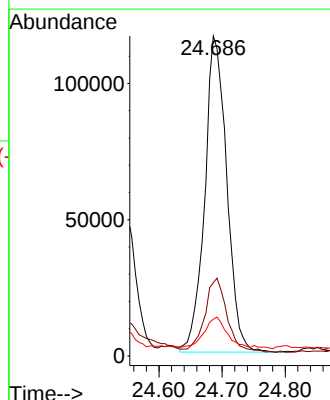
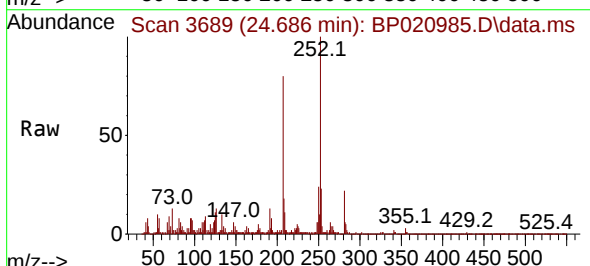
Delta R.T. 0.018 min

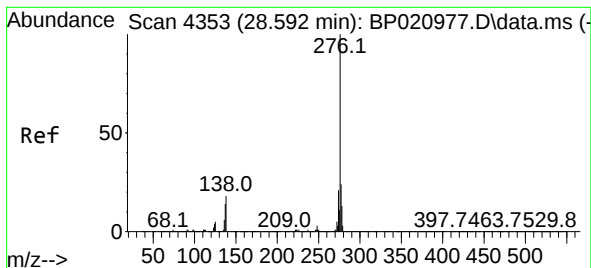
Lab File: BP020985.D

Acq: 16 Jul 2024 10:44

Tgt Ion:252 Resp: 281838

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	11.5	7.7	11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.732 ng/ul m

RT: 28.586 min Scan# 4

Delta R.T. 0.012 min

Lab File: BP020985.D

Acq: 16 Jul 2024 10:44

Instrument :

BNA_P

ClientSampleId :

A4BX5

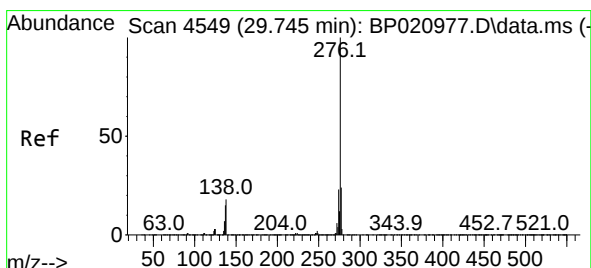
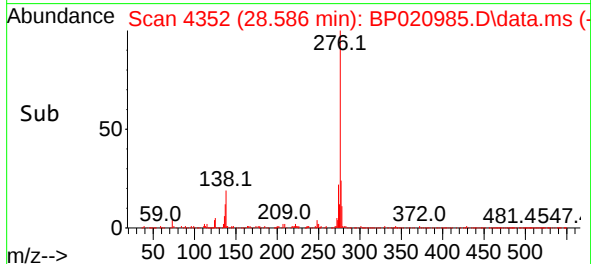
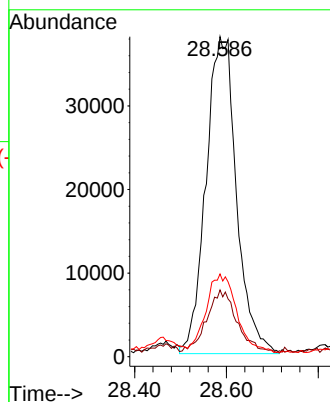
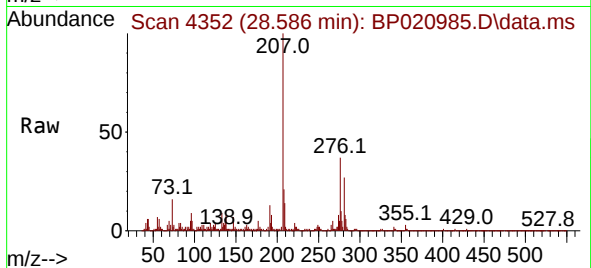
Tgt Ion:	276	Resp:	17508
Ion Ratio	Lower	Upper	
276	100		
138	20.8	14.3	21.5
277	25.9	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/18/2024



#96

Benzo(g,h,i)perylene

Concen: 1.969 ng/ul

RT: 29.750 min Scan# 4550

Delta R.T. 0.023 min

Lab File: BP020985.D

Acq: 16 Jul 2024 10:44

Tgt Ion:	276	Resp:	162043
Ion Ratio	Lower	Upper	
276	100		
138	18.3	15.3	22.9
277	25.5	18.2	27.2

