

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072324\
 Data File : BP021111.D
 Acq On : 23 Jul 2024 23:42
 Operator : MA/JU
 Sample : P3238-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BF7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 04:52:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 24 00:21:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	157932	20.000	ng/u1	0.00
20) Naphthalene-d8	10.433	136	656671	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.304	164	446818	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.110	188	1004601	20.000	ng/u1	-0.02
79) Chrysene-d12	21.562	240	983258	20.000	ng/u1	-0.01
88) Perylene-d12	24.886	264	1183351	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	12786	3.684	ng/uL	0.00
4) Pyridine-d5	3.616	84	47913	4.769	ng/u1	0.00
7) Phenol-d5	6.881	99	296796	23.051	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.010	67	162283	20.797	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	244701	23.066	ng/u1	0.00
15) 4-Methylphenol-d8	8.398	113	232940	21.782	ng/u1	0.01
21) Nitrobenzene-d5	8.828	128	116841	22.908	ng/u1	0.01
24) 2-Nitrophenol-d4	9.539	143	136852	23.443	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.086	165	243663	23.083	ng/u1	0.00
31) 4-Chloroaniline-d4	10.604	131	56139m	4.014	ng/u1	0.02
46) Dimethylphthalate-d6	13.710	166	758663	23.357	ng/u1	0.00
49) Acenaphthylene-d8	13.992	160	877762	24.067	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.598	143	108780	23.538	ng/u1	0.00
60) Fluorene-d10	15.310	176	683868	25.664	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.480	200	41762	6.871	ng/u1	0.00
73) Anthracene-d10	17.215	188	1088118	24.387	ng/u1	0.00
81) Pyrene-d10	19.604	212	1235747	20.328	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.656	264	1044904	17.904	ng/u1	-0.02
Target Compounds						
					Qvalue	
50) Acenaphthylene	14.022	152	67318	1.630	ng/u1	99
52) Acenaphthene	14.369	153	78682	2.871	ng/u1	98
56) Dibenzofuran	14.710	168	61556	1.640	ng/u1	100
61) Fluorene	15.368	166	79060	2.581	ng/u1	97
72) Phenanthrene	17.151	178	1229739	23.597	ng/u1	99
74) Anthracene	17.251	178	321786	6.057	ng/u1	99
77) Carbazole	17.533	167	146411	3.371	ng/u1	99
80) Fluoranthene	19.257	202	2063152	28.104	ng/u1	99
82) Pyrene	19.633	202	1484942	19.878	ng/u1	99
85) Benzo(a)anthracene	21.545	228	932576	13.540	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.451	149	123237	2.751	ng/u1	98
87) Chrysene	21.609	228	953773	14.902	ng/u1	96
90) Benzo(b)fluoranthene	23.827	252	1267790	17.654	ng/u1	97
91) Benzo(k)fluoranthene	23.892	252	473333m	6.605	ng/u1	
93) Benzo(a)pyrene	24.733	252	535672	7.894	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.685	276	514476	5.883	ng/u1	96
95) Dibenzo(a,h)anthracene	28.715	278	182997m	2.527	ng/u1	
96) Benzo(g,h,i)perylene	29.856	276	91169m	1.280	ng/u1	

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

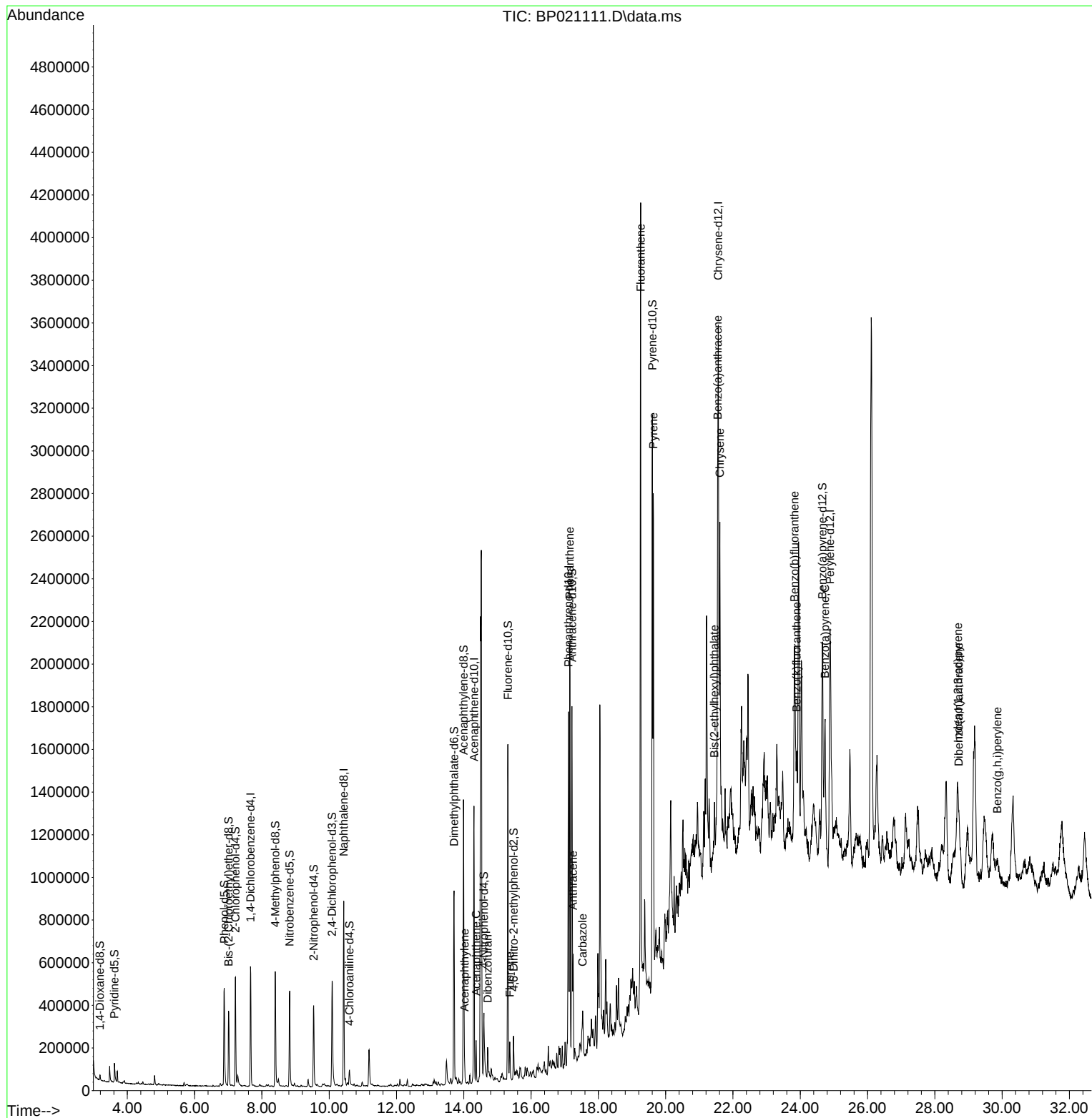
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072324\
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 ALS Vial : 18 Sample Multiplier: 1

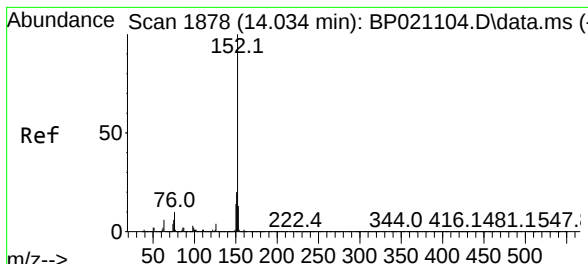
Instrument :
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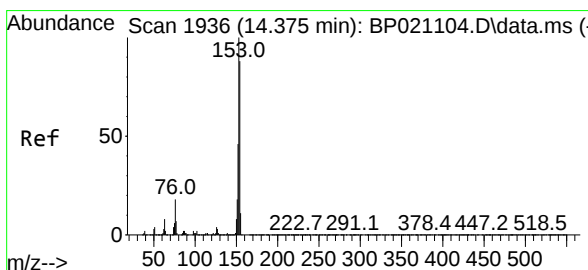
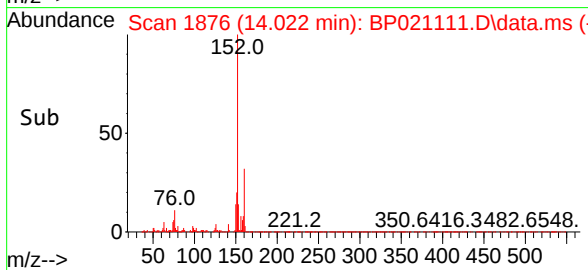
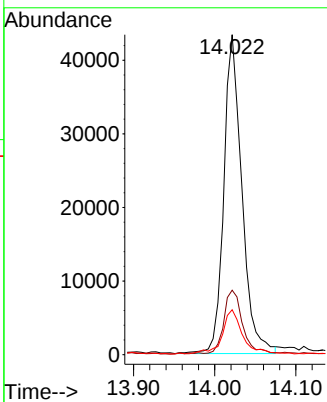
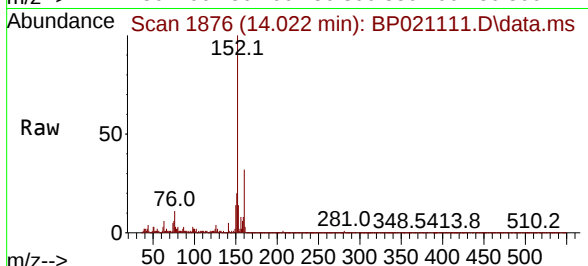
#50
 Acenaphthylene
 Concen: 1.630 ng/ul
 RT: 14.022 min Scan# 1876
 Delta R.T. -0.012 min
 Lab File: BP021111.D
 Acq: 23 Jul 2024 23:42

Instrument : BNA_P
 ClientSampleId : A4BF7

Tgt Ion:	152	Resp:	67318
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.2
153	14.1	10.3	15.5

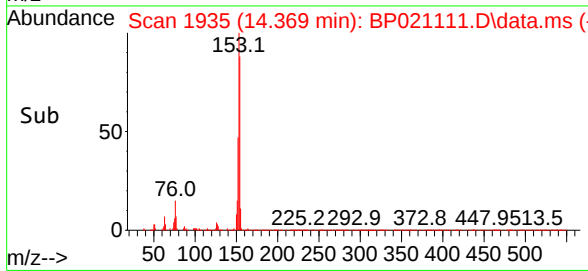
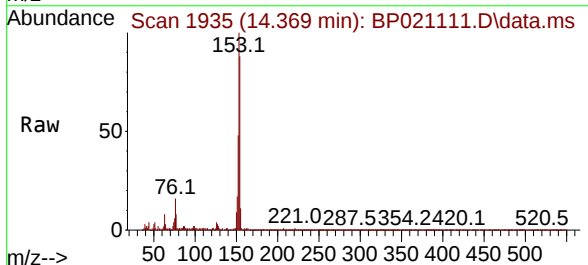
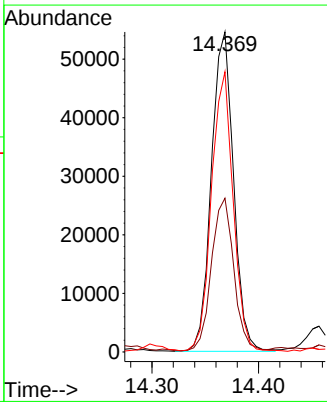
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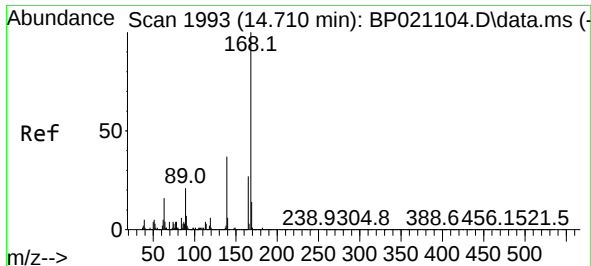
Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024



#52
 Acenaphthene
 Concen: 2.871 ng/ul
 RT: 14.369 min Scan# 1935
 Delta R.T. -0.006 min
 Lab File: BP021111.D
 Acq: 23 Jul 2024 23:42

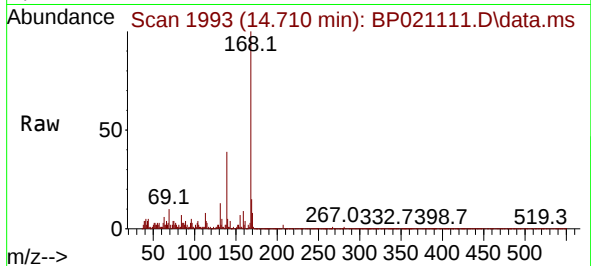
Tgt Ion:	153	Resp:	78682
Ion Ratio	Lower	Upper	
153	100		
152	48.1	37.8	56.6
154	87.5	71.8	107.6





#56
Dibenzenofuran
Concen: 1.640 ng/ul
RT: 14.710 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BP021111.D
Acq: 23 Jul 2024 23:42

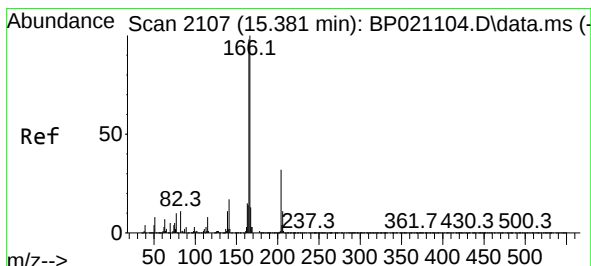
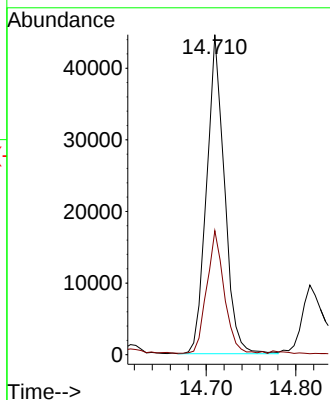
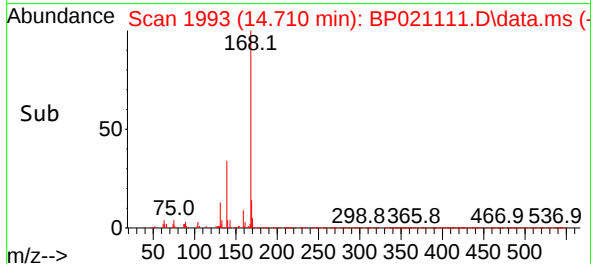
Instrument :
BNA_P
ClientSampleId :
A4BF7



Tgt Ion:168 Resp: 61550
Ion Ratio Lower Upper
168 100
139 38.7 31.1 46.7

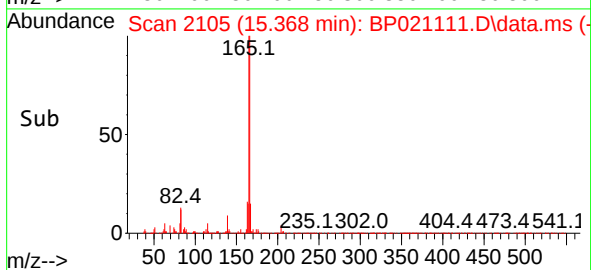
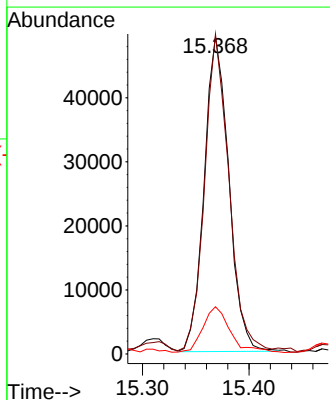
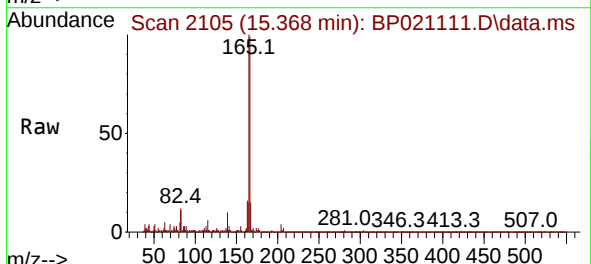
Manual Integrations
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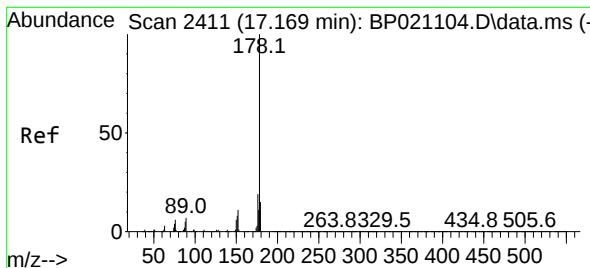
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#61
Fluorene
Concen: 2.581 ng/ul
RT: 15.368 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BP021111.D
Acq: 23 Jul 2024 23:42

Tgt Ion:166 Resp: 79060
Ion Ratio Lower Upper
166 100
165 100.9 78.1 117.1
167 14.9 10.9 16.3





#72

Phenanthrene

Concen: 23.597 ng/ul

RT: 17.151 min Scan# 2411

Delta R.T. -0.018 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

Instrument :

BNA_P

ClientSampleId :

A4BF7

Tgt Ion:178 Resp: 1229739

Ion Ratio Lower Upper

178 100

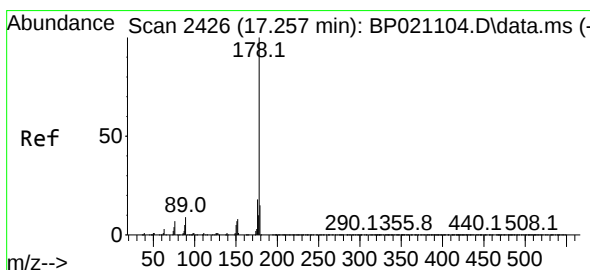
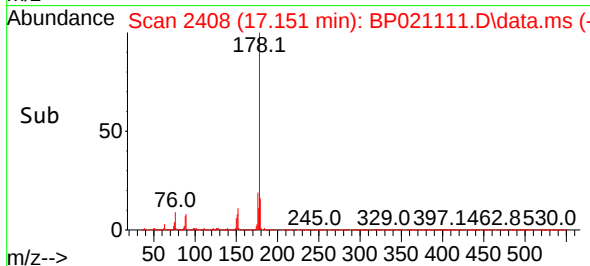
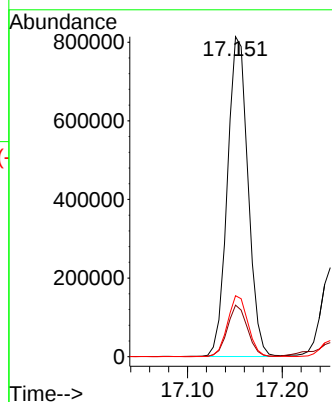
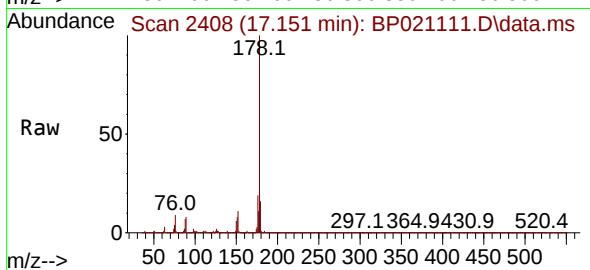
179 16.1 12.2 18.4

176 19.0 15.0 22.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#74

Anthracene

Concen: 6.057 ng/ul

RT: 17.251 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

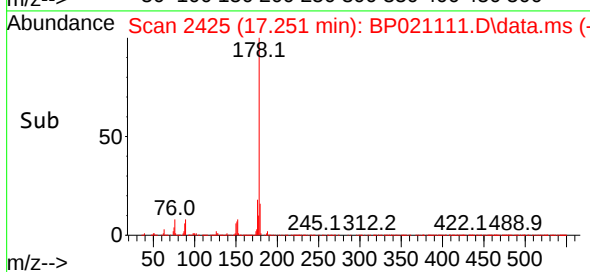
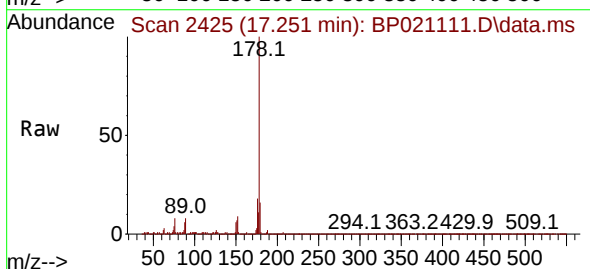
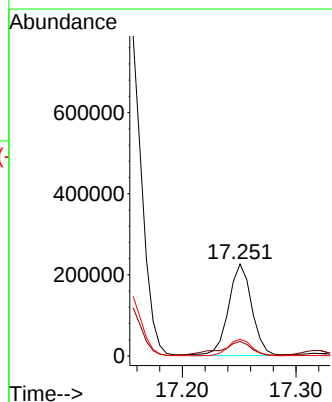
Tgt Ion:178 Resp: 321786

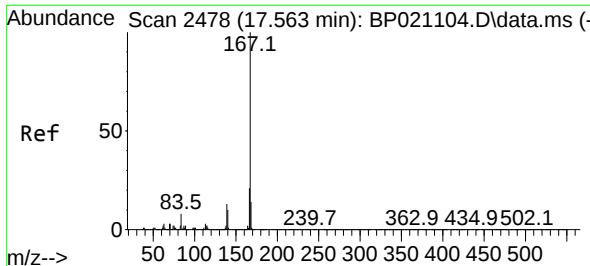
Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

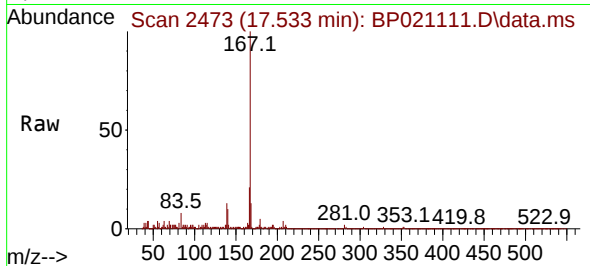
176 18.2 14.8 22.2





#77
 Carbazole
 Concen: 3.371 ng/ul
 RT: 17.533 min Scan# 2478
 Delta R.T. -0.030 min
 Lab File: BP021111.D
 Acq: 23 Jul 2024 23:42

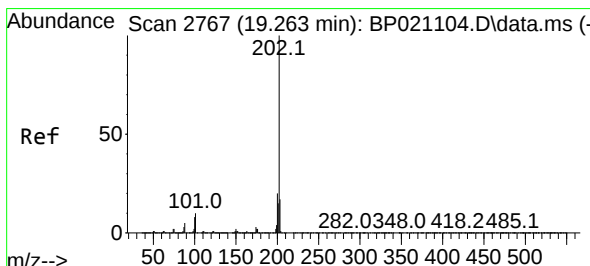
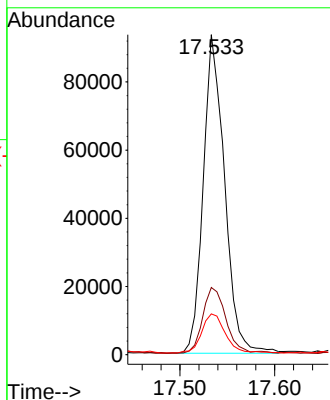
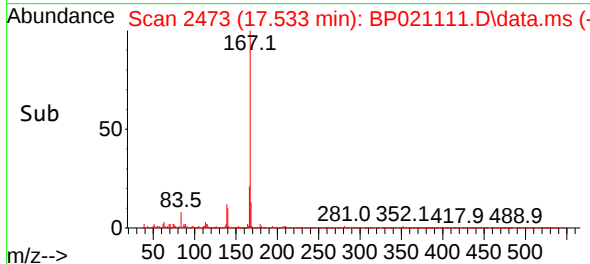
Instrument :
 BNA_P
 ClientSampleId :
 A4BF7



Tgt Ion:167 Resp: 14641
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.3 25.9
 139 12.8 10.2 15.2

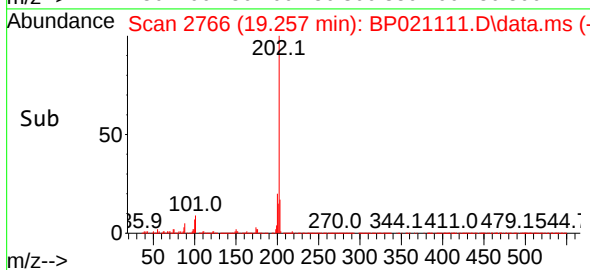
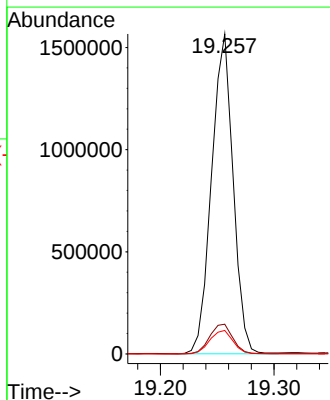
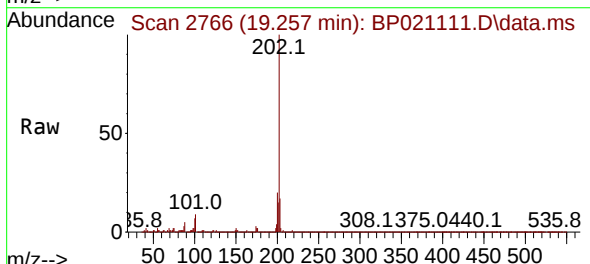
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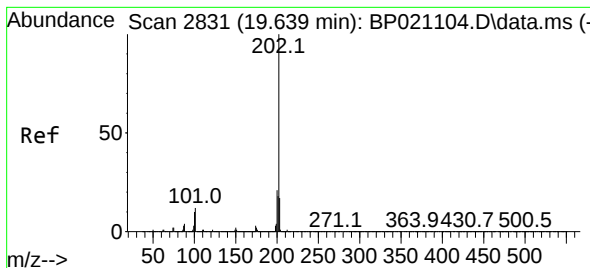
Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024



#80
 Fluoranthene
 Concen: 28.104 ng/ul
 RT: 19.257 min Scan# 2766
 Delta R.T. -0.006 min
 Lab File: BP021111.D
 Acq: 23 Jul 2024 23:42

Tgt Ion:202 Resp: 2063152
 Ion Ratio Lower Upper
 202 100
 101 9.3 8.0 12.0
 100 7.4 6.1 9.1





#82

Pyrene

Concen: 19.878 ng/ul

RT: 19.633 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

Instrument :

BNA_P

ClientSampleId :

A4BF7

Tgt Ion:202 Resp: 148494

Ion Ratio Lower Upper

202 100

101 12.2 9.4 14.2

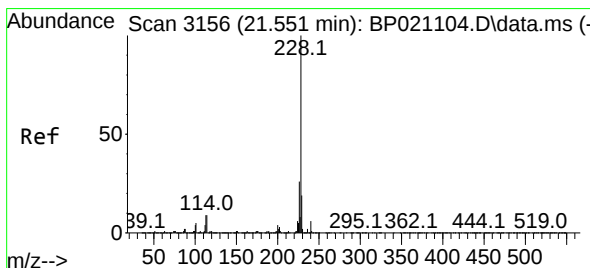
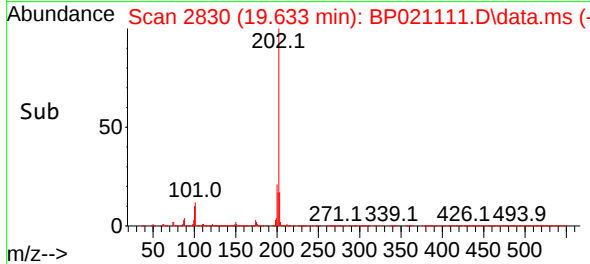
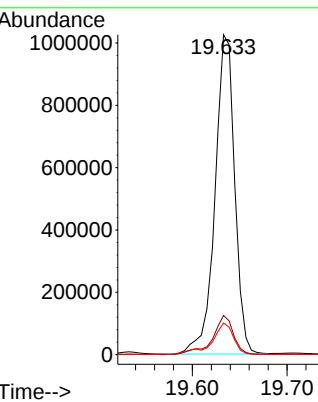
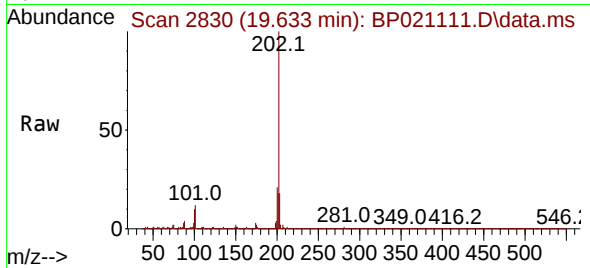
100 9.9 7.8 11.6

Manual Integrations

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Supervised By :mohammad ahmed 07/25/2024



#85

Benzo(a)anthracene

Concen: 13.540 ng/ul

RT: 21.545 min Scan# 3155

Delta R.T. -0.006 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

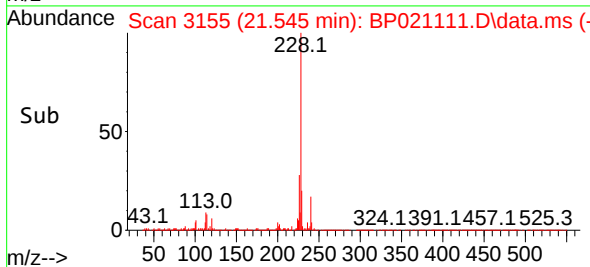
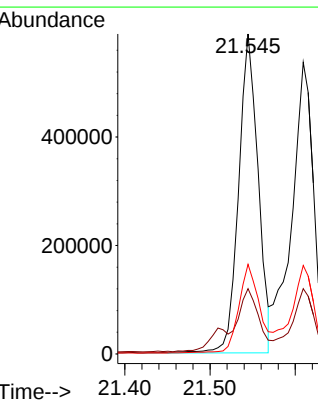
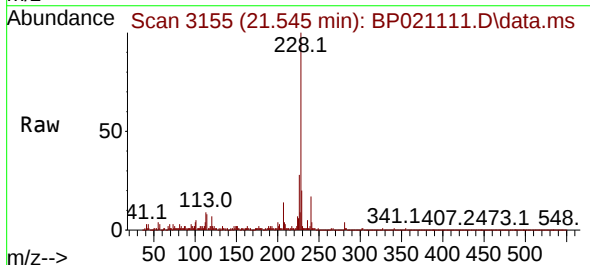
Tgt Ion:228 Resp: 932576

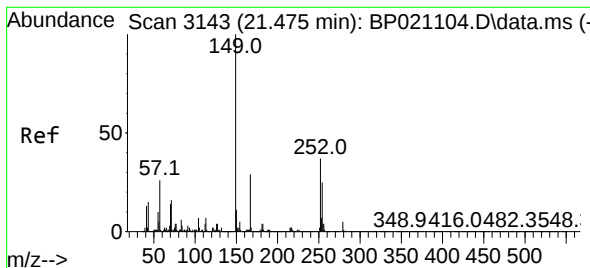
Ion Ratio Lower Upper

228 100

229 20.4 15.5 23.3

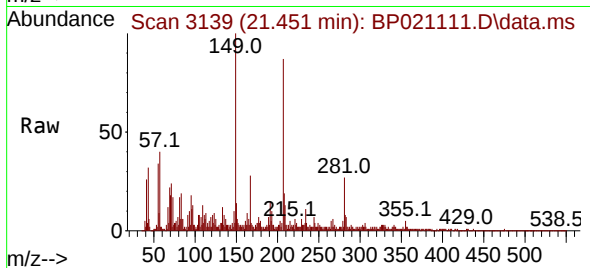
226 28.0 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.751 ng/ul
RT: 21.451 min Scan# 3143
Delta R.T. -0.024 min
Lab File: BP021111.D
Acq: 23 Jul 2024 23:42

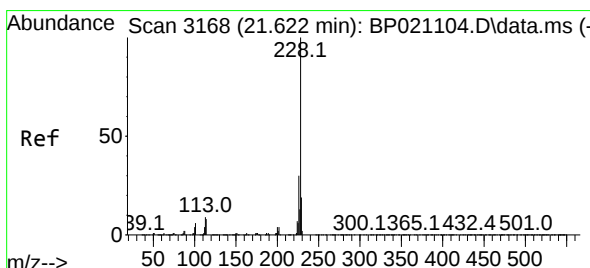
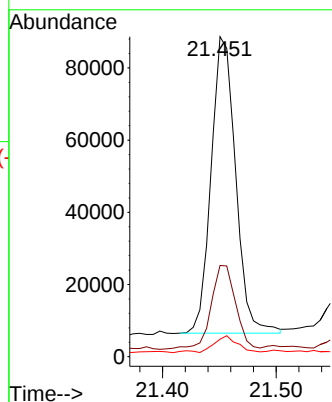
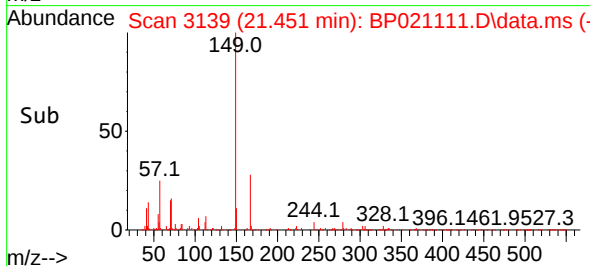
Instrument :
BNA_P
ClientSampleId :
A4BF7



Tgt Ion:149 Resp: 12323
Ion Ratio Lower Upper
149 100
167 28.5 22.1 33.1
279 5.4 3.7 5.5

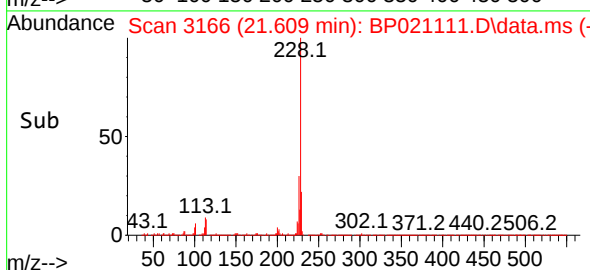
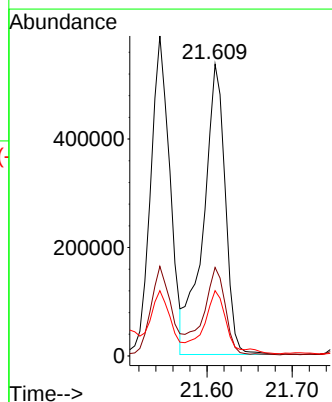
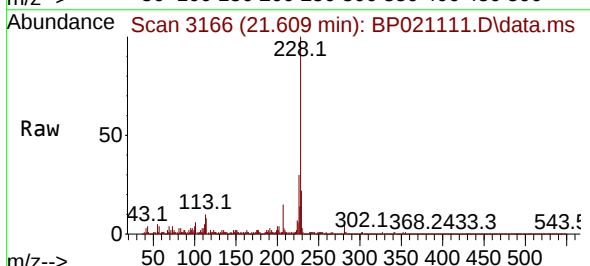
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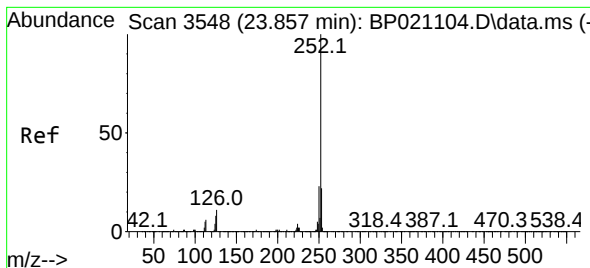
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#87
Chrysene
Concen: 14.902 ng/ul
RT: 21.609 min Scan# 3166
Delta R.T. -0.012 min
Lab File: BP021111.D
Acq: 23 Jul 2024 23:42

Tgt Ion:228 Resp: 953773
Ion Ratio Lower Upper
228 100
226 30.3 23.6 35.4
229 22.4 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 17.654 ng/ul

RT: 23.827 min Scan# 3543

Delta R.T. -0.030 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

Instrument :

BNA_P

ClientSampleId :

A4BF7

Tgt Ion:252 Resp: 1267790

Ion Ratio Lower Upper

252 100

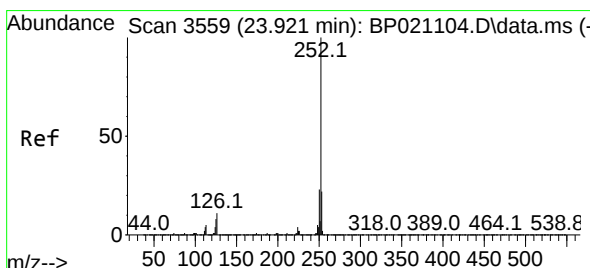
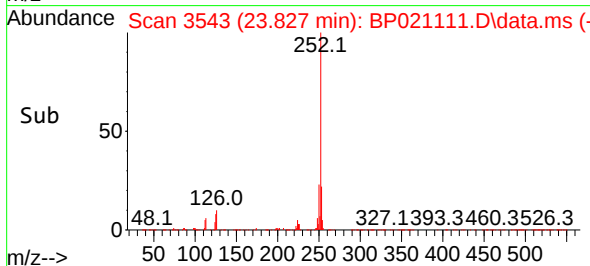
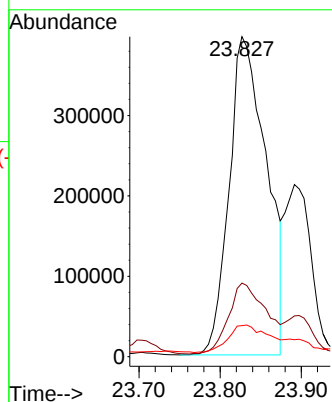
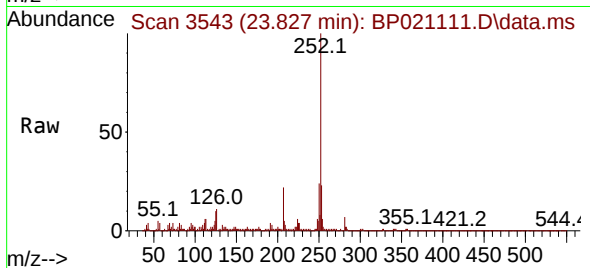
253 23.0 17.1 25.7

125 9.7 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#91

Benzo(k)fluoranthene

Concen: 6.605 ng/ul m

RT: 23.892 min Scan# 3554

Delta R.T. -0.030 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

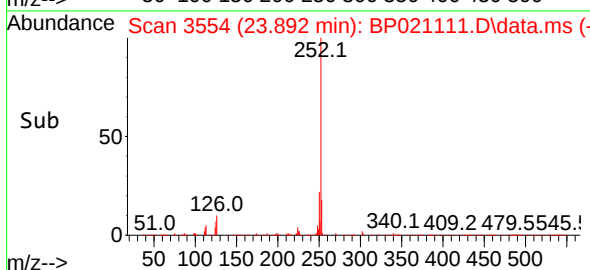
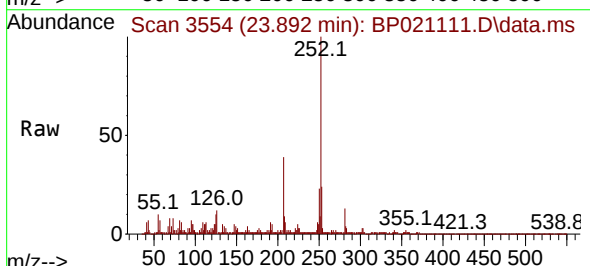
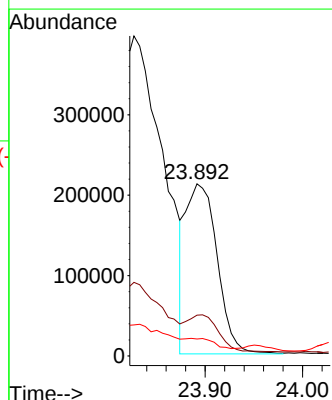
Tgt Ion:252 Resp: 473333

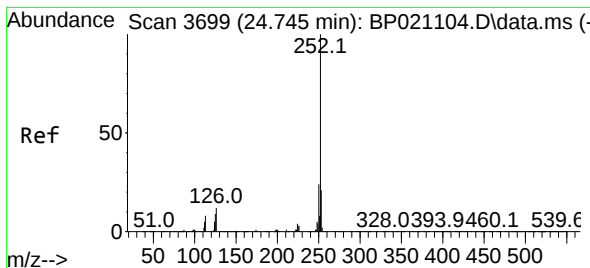
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 9.9 7.4 11.0





#93

Benzo(a)pyrene

Concen: 7.894 ng/ul

RT: 24.733 min Scan# 3697

Delta R.T. -0.012 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

Instrument :

BNA_P

ClientSampleId :

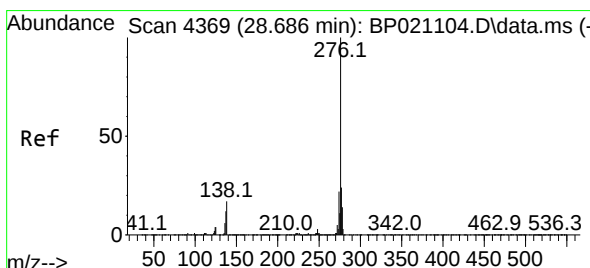
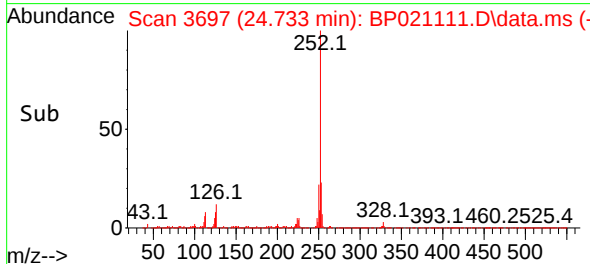
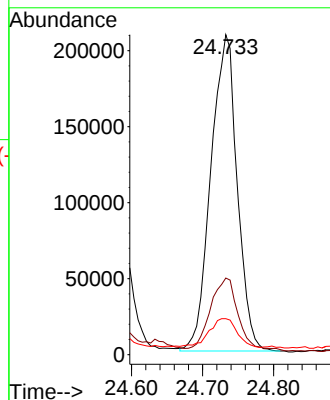
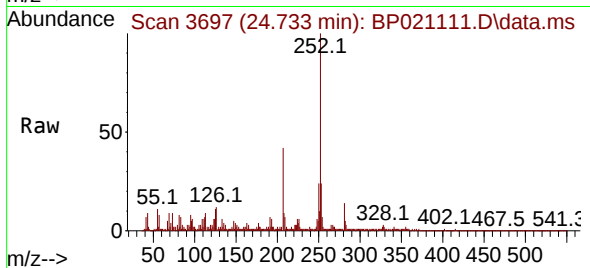
A4BF7

Tgt Ion:	252	Resp:	535672
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.4	26.0
125	11.3	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.883 ng/ul

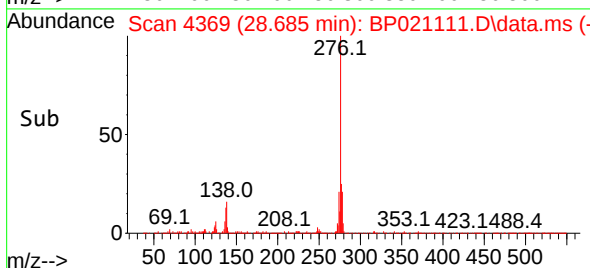
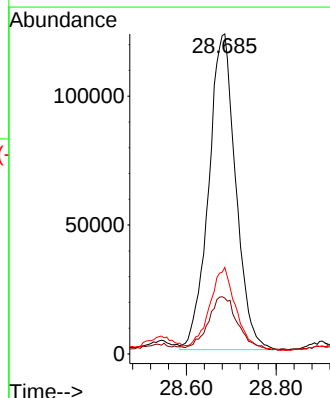
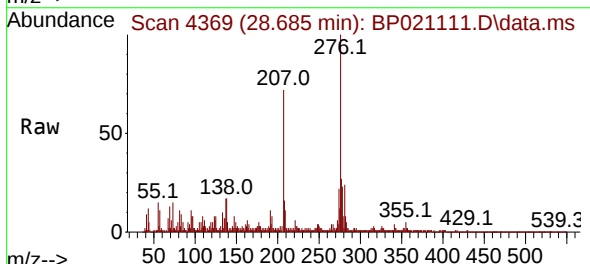
RT: 28.685 min Scan# 4369

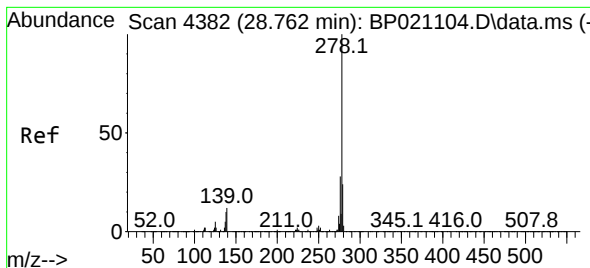
Delta R.T. -0.000 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

Tgt Ion:	276	Resp:	514476
Ion Ratio	Lower	Upper	
276	100		
138	17.4	14.3	21.5
277	27.0	19.2	28.8





#95

Dibenzo(a,h)anthracene

Concen: 2.527 ng/ul m

RT: 28.715 min Scan# 41

Delta R.T. -0.048 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

Instrument :

BNA_P

ClientSampleId :

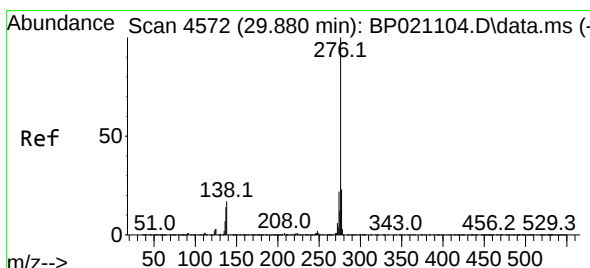
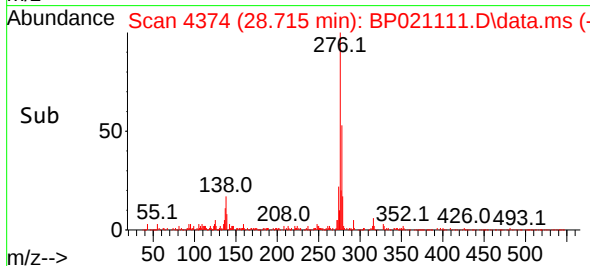
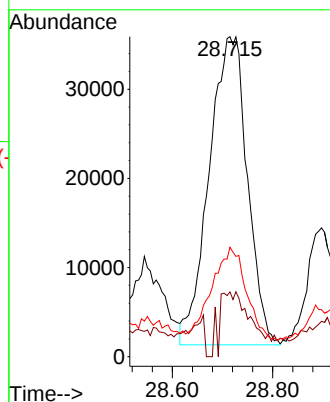
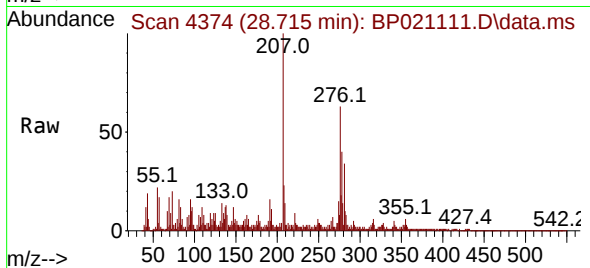
A4BF7

Tgt Ion:278 Resp: 182997
 Ion Ratio Lower Upper
 278 100
 139 20.2 10.9 16.3#
 279 34.2 19.4 29.0#

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024



#96

Benzo(g,h,i)perylene

Concen: 1.280 ng/ul m

RT: 29.856 min Scan# 4568

Delta R.T. -0.024 min

Lab File: BP021111.D

Acq: 23 Jul 2024 23:42

Tgt Ion:276 Resp: 91169
 Ion Ratio Lower Upper
 276 100
 138 26.1 15.3 22.9#
 277 30.2 18.2 27.2#

