

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
 Data File : BP021033.D
 Acq On : 18 Jul 2024 02:53
 Operator : MA/JU
 Sample : P3215-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C02

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 18 03:32:25 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	7.687	152	224959	20.000	ng/u1	0.00
20) Naphthalene-d8	10.440	136	946492	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.304	164	627310	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.116	188	1256218	20.000	ng/u1	0.00
79) Chrysene-d12	21.569	240	1049138	20.000	ng/u1	0.02
88) Perylene-d12	24.868	264	1294143	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	14729	2.979	ng/uL	0.00
4) Pyridine-d5	3.675	84	28679	2.004	ng/u1	0.02
7) Phenol-d5	6.899	99	409036	22.303	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	234670	21.114	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	342070	22.637	ng/u1	0.00
15) 4-Methylphenol-d8	8.410	113	290196	19.051	ng/u1	0.02
21) Nitrobenzene-d5	8.846	128	167931	22.843	ng/u1	0.02
24) 2-Nitrophenol-d4	9.552	143	195748	23.264	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.093	165	354676	23.311	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	71995m	3.572	ng/u1	0.02
46) Dimethylphthalate-d6	13.722	166	1154342	25.313	ng/u1	0.01
49) Acenaphthylene-d8	13.998	160	1294821	25.287	ng/u1	0.00
54) 4-Nitrophenol-d4	14.581	143	153570m	23.669	ng/u1	0.01
60) Fluorene-d10	15.322	176	982299	26.257	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	136433	17.950	ng/u1	0.02
73) Anthracene-d10	17.222	188	1428359	25.600	ng/u1	0.00
81) Pyrene-d10	19.604	212	1174421	18.106	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.633	264	800530	12.542	ng/u1	0.03
Target Compounds						
					Qvalue	
30) Naphthalene	10.493	128	127832	2.568	ng/u1	99
36) 2-Methylnaphthalene	12.110	142	62030	1.815	ng/u1	99
37) 1-Methylnaphthalene	12.328	142	51604	1.468	ng/u1	99
50) Acenaphthylene	14.034	152	242533	4.183	ng/u1	99
52) Acenaphthene	14.381	153	286541	7.447	ng/u1	98
56) Dibenzofuran	14.722	168	255254	4.844	ng/u1	99
61) Fluorene	15.381	166	364422	8.475	ng/u1	100
72) Phenanthrene	17.163	178	5907015	90.643	ng/u1	99
74) Anthracene	17.257	178	1425315	21.454	ng/u1	100
77) Carbazole	17.545	167	454283	8.365	ng/u1	100
80) Fluoranthene	19.263	202	8988593	114.752	ng/u1	98
82) Pyrene	19.639	202	5204514	65.294	ng/u1	97
85) Benzo(a)anthracene	21.551	228	4248771	57.812	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.457	149	210138	4.397	ng/u1	99
87) Chrysene	21.616	228	4057688	59.418	ng/u1	97
90) Benzo(b)fluoranthene	23.827	252	5152647	65.610	ng/u1	98
91) Benzo(k)fluoranthene	23.880	252	2192014m	27.968	ng/u1	
93) Benzo(a)pyrene	24.710	252	1544027	20.805	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.662	276	1596451	16.694	ng/u1	97
95) Dibenzo(a,h)anthracene	28.703	278	725829m	9.166	ng/u1	
96) Benzo(g,h,i)perylene	29.809	276	208710m	2.680	ng/u1	

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

Instrument :

BNA_P

ClientSampleId :

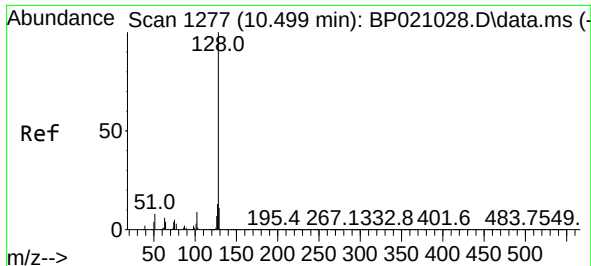
A4C02

Manual Integrations

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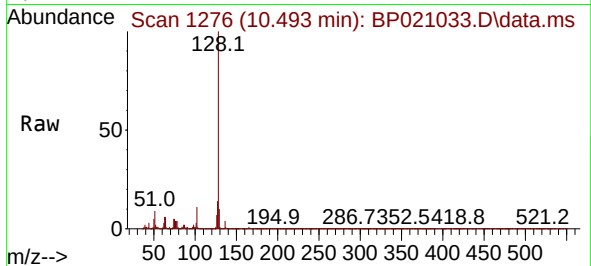
Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#30
Naphthalene
Concen: 2.568 ng/ul
RT: 10.493 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53

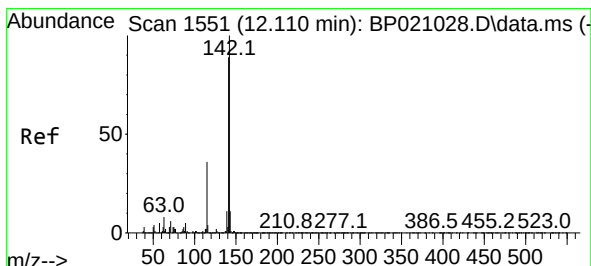
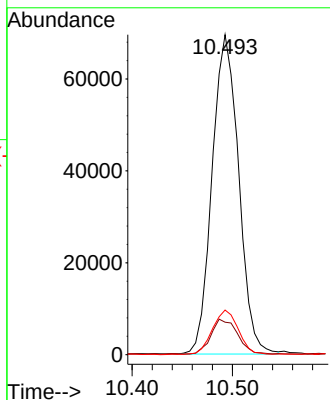
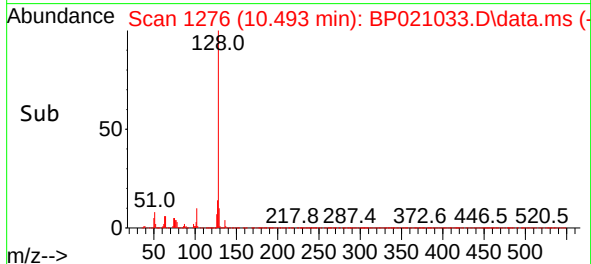
Instrument :
BNA_P
ClientSampleId :
A4C02



Tgt Ion:128 Resp: 12783
Ion Ratio Lower Upper
128 100
129 10.2 8.6 13.0
127 13.9 10.8 16.2

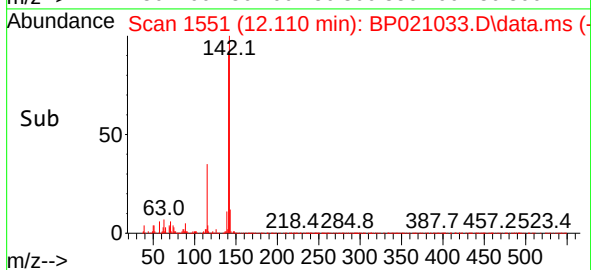
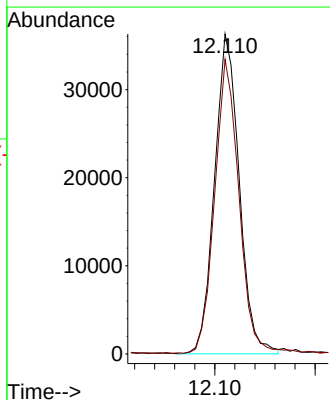
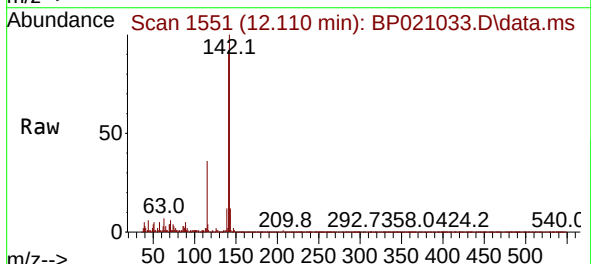
Manual Integrations
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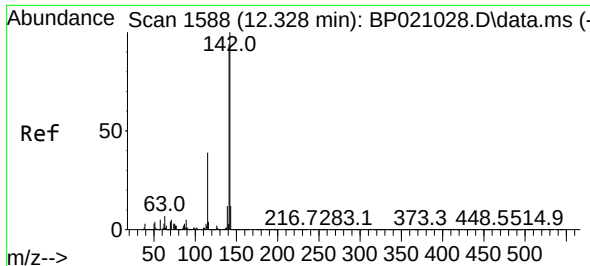
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#36
2-Methylnaphthalene
Concen: 1.815 ng/ul
RT: 12.110 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53

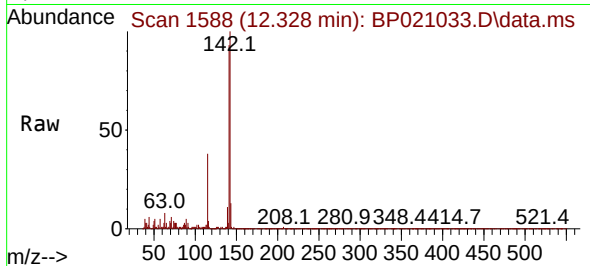
Tgt Ion:142 Resp: 62030
Ion Ratio Lower Upper
142 100
141 92.0 72.6 108.8





#37
1-Methylnaphthalene
Concen: 1.468 ng/ul
RT: 12.328 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53

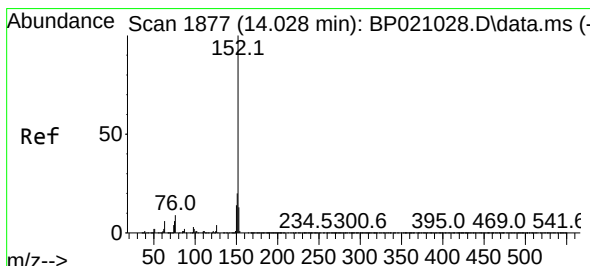
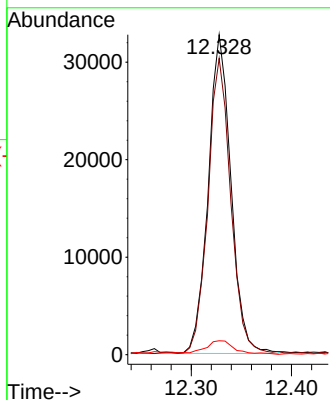
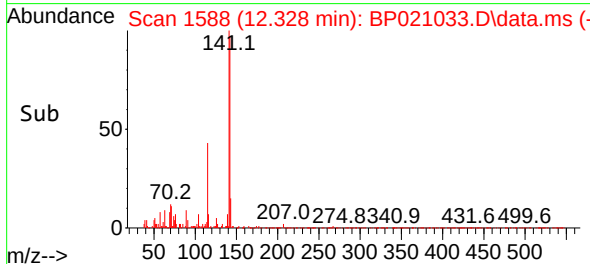
Instrument :
BNA_P
ClientSampleId :
A4C02



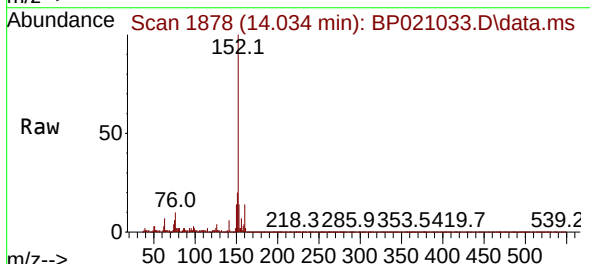
Tgt Ion:142 Resp: 51604
Ion Ratio Lower Upper
142 100
141 92.6 75.0 112.6
116 4.4 3.2 4.8

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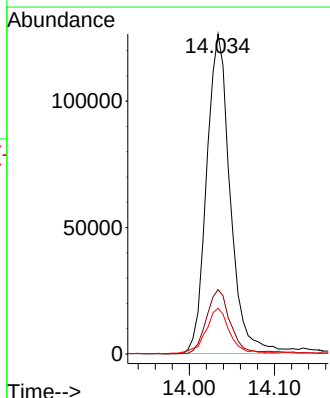
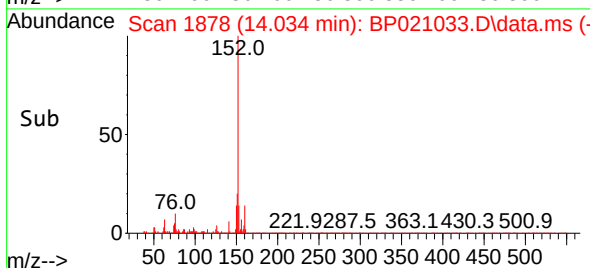
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

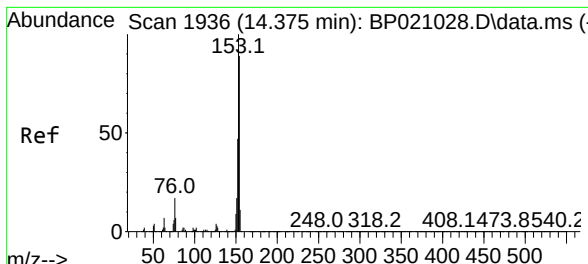


#50
Acenaphthylene
Concen: 4.183 ng/ul
RT: 14.034 min Scan# 1878
Delta R.T. 0.006 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53



Tgt Ion:152 Resp: 242533
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 14.2 10.3 15.5



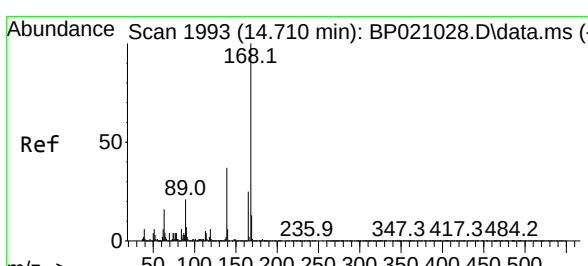
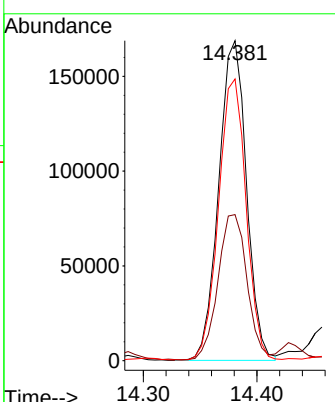
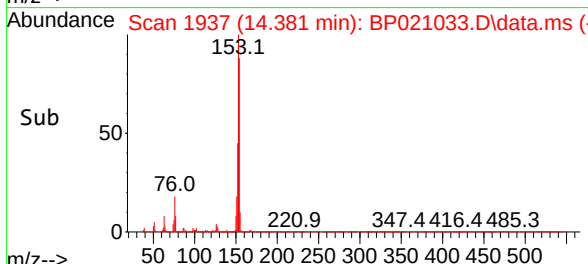
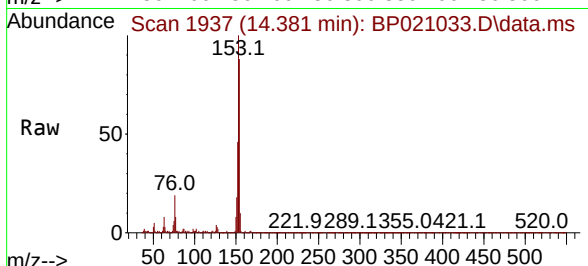


#52
 Acenaphthene
 Concen: 7.447 ng/u1
 RT: 14.381 min Scan# 1937
 Delta R.T. 0.012 min
 Lab File: BP021033.D
 Acq: 18 Jul 2024 02:53

Instrument : BNA_P
 ClientSampleId : A4C02

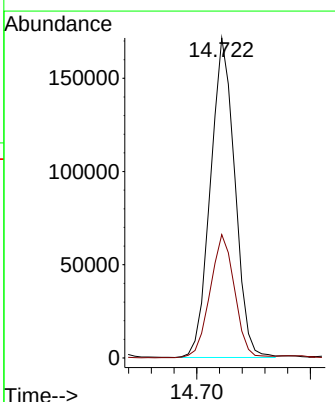
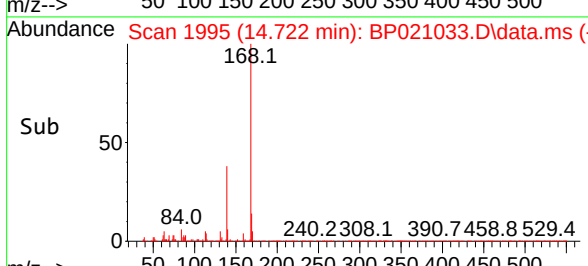
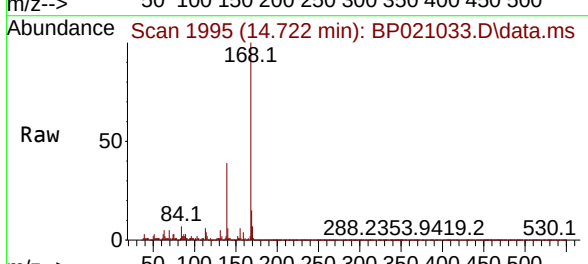
Tgt Ion:	153	Resp:	28654
Ion Ratio	Lower	Upper	
153	100		
152	45.7	37.8	56.6
154	88.1	71.8	107.6

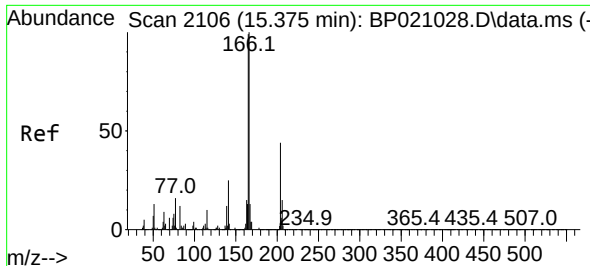
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 Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024



#56
 Dibenzofuran
 Concen: 4.844 ng/u1
 RT: 14.722 min Scan# 1995
 Delta R.T. 0.012 min
 Lab File: BP021033.D
 Acq: 18 Jul 2024 02:53

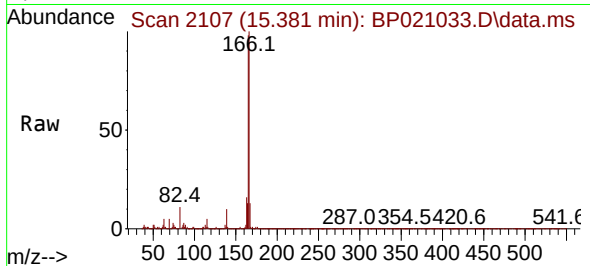
Tgt Ion:	168	Resp:	255254
Ion Ratio	Lower	Upper	
168	100		
139	38.6	31.1	46.7





#61
Fluorene
Concen: 8.475 ng/ul
RT: 15.381 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53

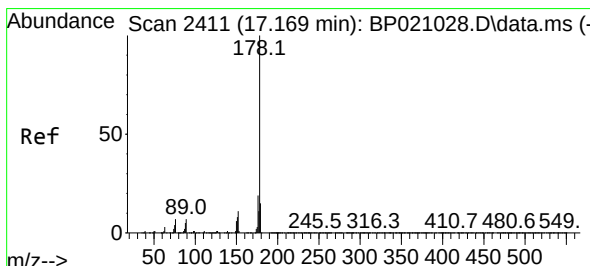
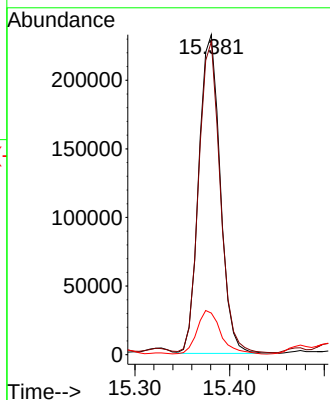
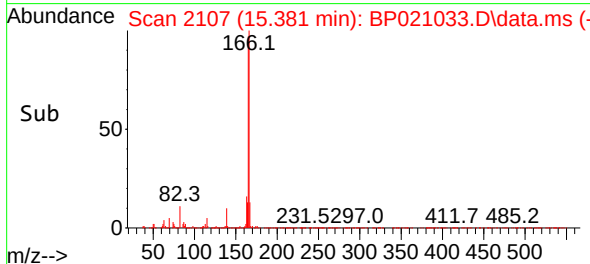
Instrument :
BNA_P
ClientSampleId :
A4C02



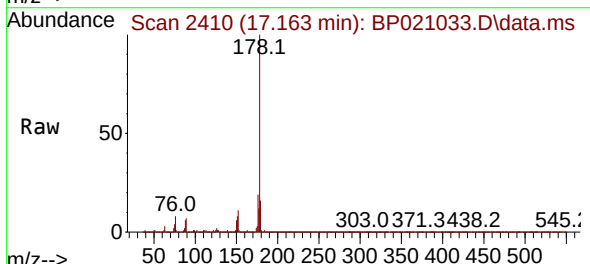
Tgt Ion:166 Resp: 36442
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.0 10.9 16.3

Manual Integrations
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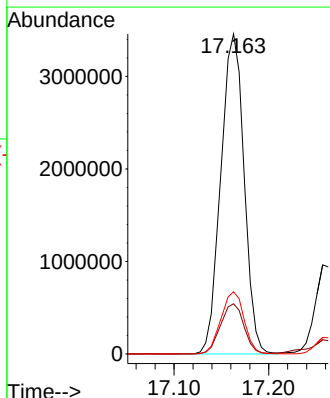
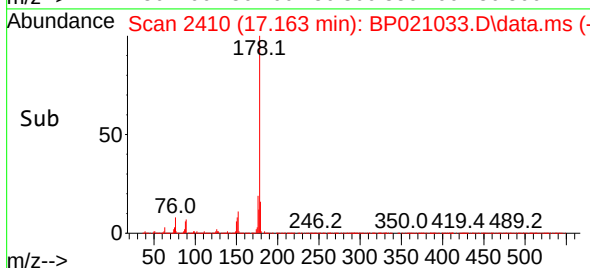
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

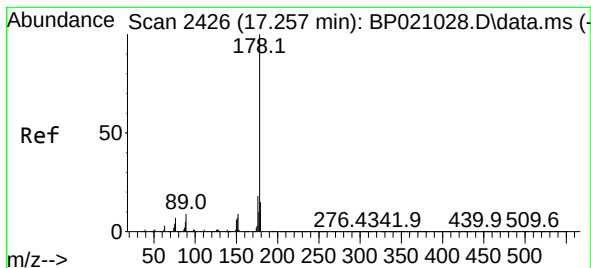


#72
Phenanthrene
Concen: 90.643 ng/ul
RT: 17.163 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53



Tgt Ion:178 Resp: 5907015
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.4
176 19.4 15.0 22.4





#74

Anthracene

Concen: 21.454 ng/ul

RT: 17.257 min Scan# 2426

Delta R.T. -0.000 min

Lab File: BP021033.D

Acq: 18 Jul 2024 02:53

Instrument :

BNA_P

ClientSampleId :

A4C02

Tgt Ion:178 Resp: 142531

Ion Ratio Lower Upper

178 100

179 15.9 12.5 18.7

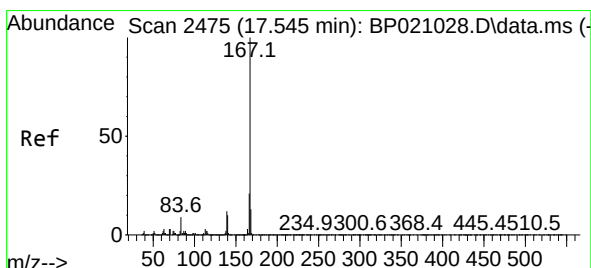
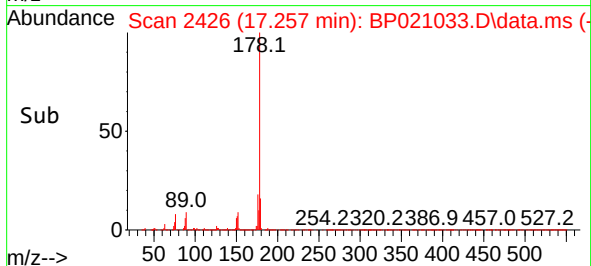
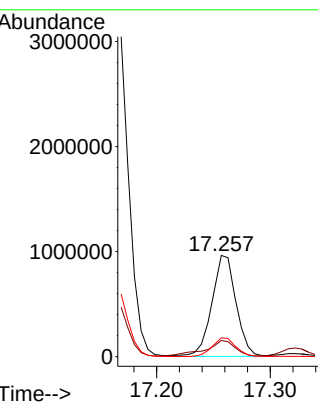
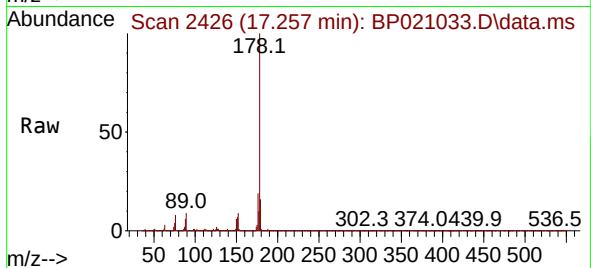
176 18.5 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#77

Carbazole

Concen: 8.365 ng/ul

RT: 17.545 min Scan# 2475

Delta R.T. 0.006 min

Lab File: BP021033.D

Acq: 18 Jul 2024 02:53

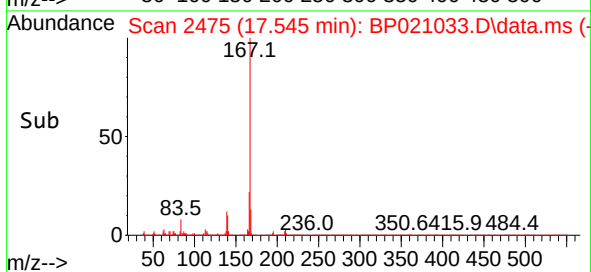
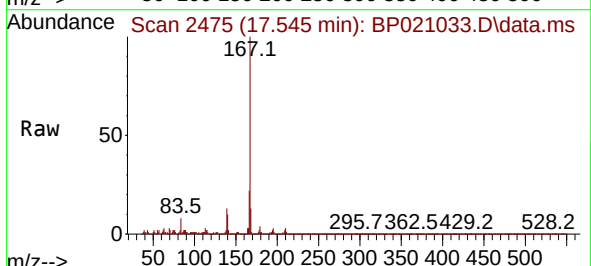
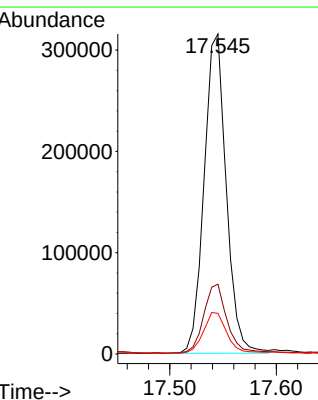
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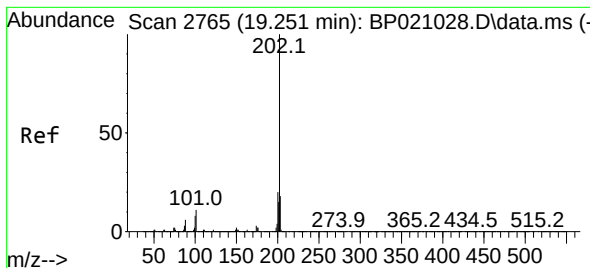
Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

139 12.7 10.2 15.2





#80

Fluoranthene

Concen: 114.752 ng/ul

RT: 19.263 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP021033.D

Acq: 18 Jul 2024 02:53

Instrument :

BNA_P

ClientSampleId :

A4C02

Tgt Ion:202 Resp: 898859

Ion Ratio Lower Upper

202 100

101 9.1 8.0 12.0

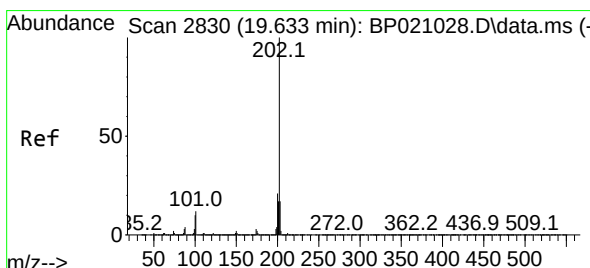
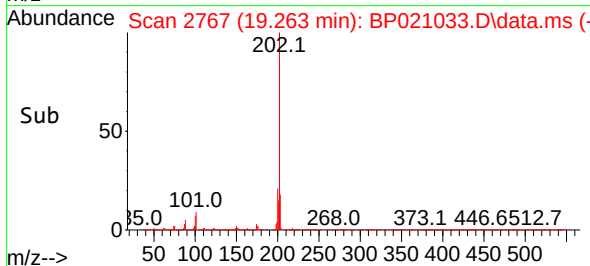
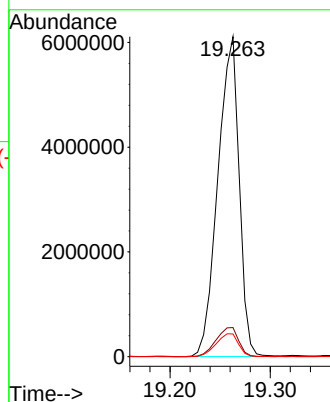
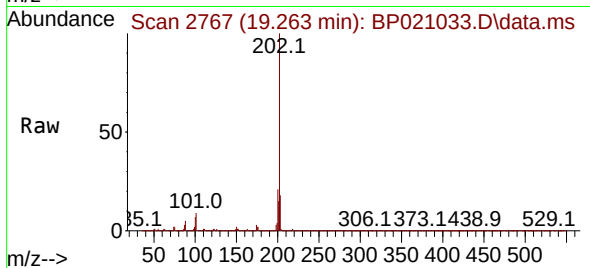
100 7.1 6.1 9.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#82

Pyrene

Concen: 65.294 ng/ul

RT: 19.639 min Scan# 2831

Delta R.T. 0.012 min

Lab File: BP021033.D

Acq: 18 Jul 2024 02:53

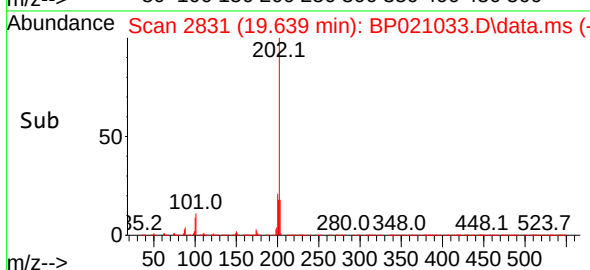
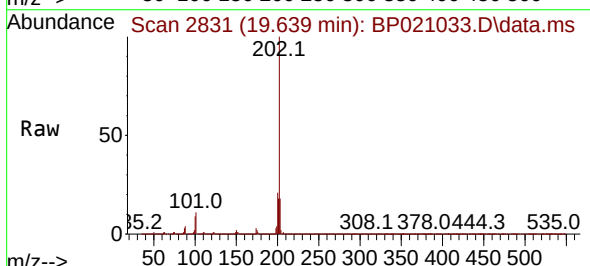
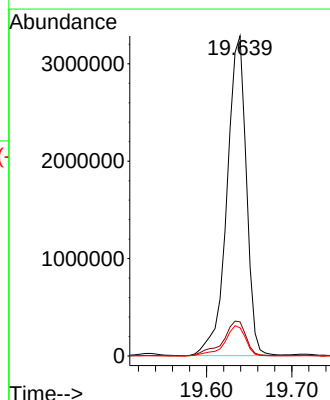
Tgt Ion:202 Resp: 5204514

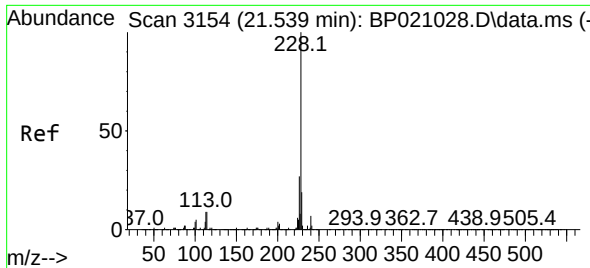
Ion Ratio Lower Upper

202 100

101 10.7 9.4 14.2

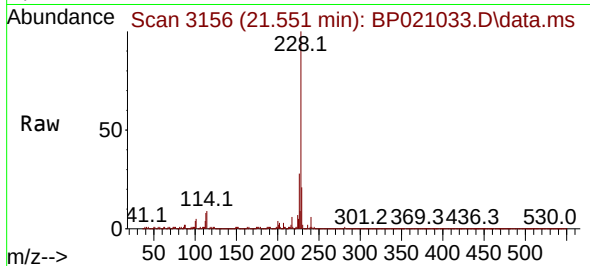
100 8.8 7.8 11.6





#85
Benzo(a)anthracene
Concen: 57.812 ng/ul
RT: 21.551 min Scan# 3155
Delta R.T. 0.018 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53

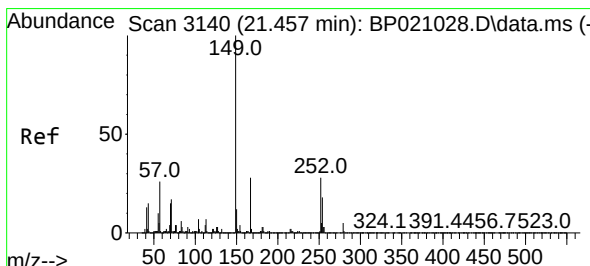
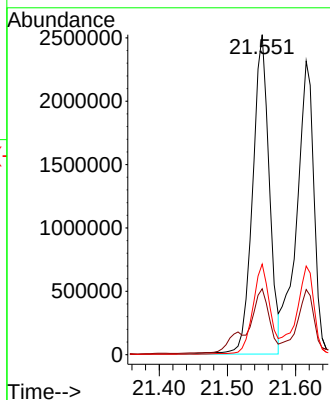
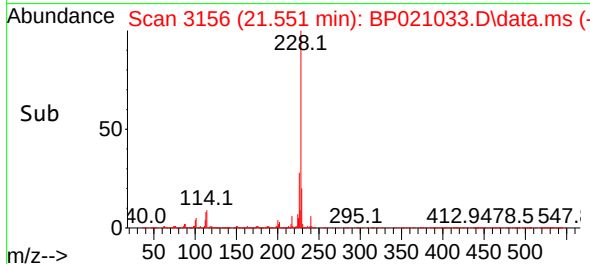
Instrument :
BNA_P
ClientSampleId :
A4C02



Tgt Ion:228 Resp: 424877
Ion Ratio Lower Upper
228 100
229 20.6 15.5 23.3
226 28.3 21.4 32.2

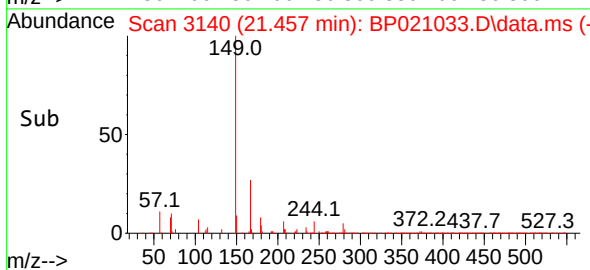
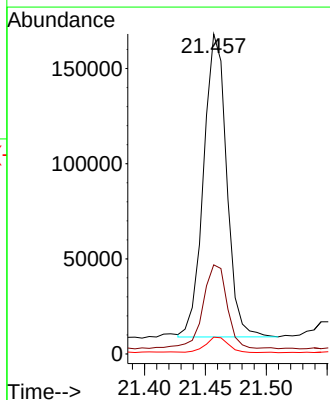
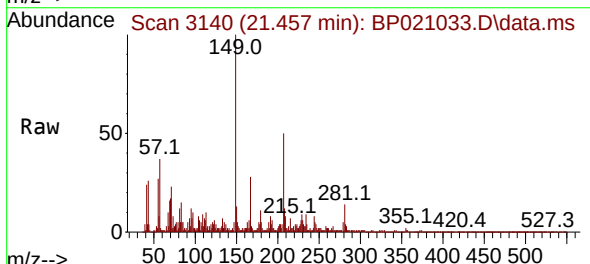
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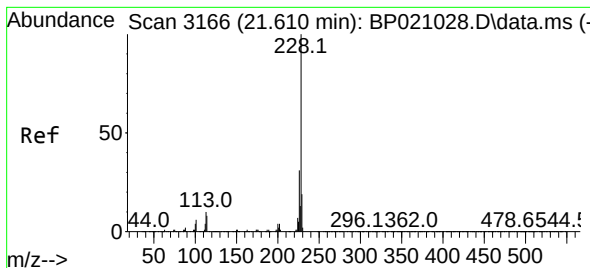
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 4.397 ng/ul
RT: 21.457 min Scan# 3140
Delta R.T. 0.012 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53

Tgt Ion:149 Resp: 210138
Ion Ratio Lower Upper
149 100
167 27.9 22.1 33.1
279 5.3 3.7 5.5





#87

Chrysene

Concen: 59.418 ng/ul

RT: 21.616 min Scan# 3167

Delta R.T. 0.018 min

Lab File: BP021033.D

Acq: 18 Jul 2024 02:53

Instrument :

BNA_P

ClientSampleId :

A4C02

Tgt Ion:228 Resp: 405768

Ion Ratio Lower Upper

228 100

226 30.2 23.6 35.4

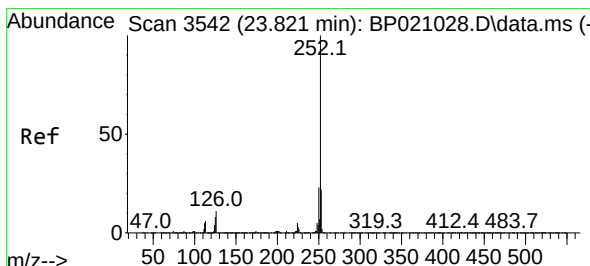
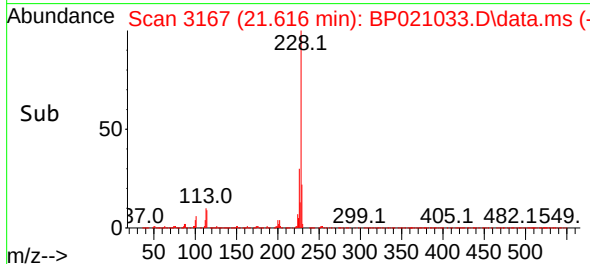
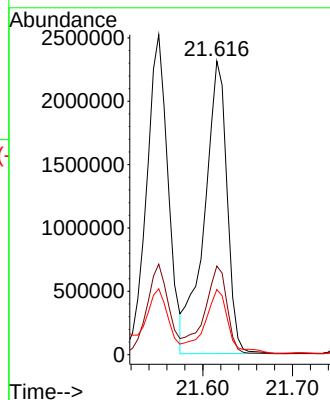
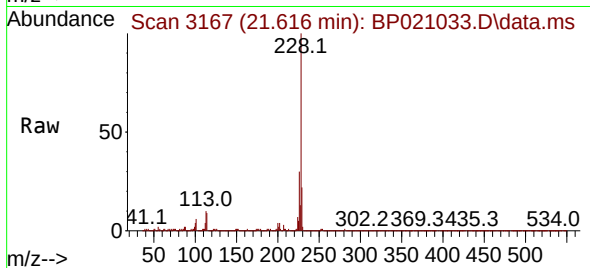
229 22.2 15.5 23.3

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Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#90

Benzo(b)fluoranthene

Concen: 65.610 ng/ul

RT: 23.827 min Scan# 3543

Delta R.T. 0.047 min

Lab File: BP021033.D

Acq: 18 Jul 2024 02:53

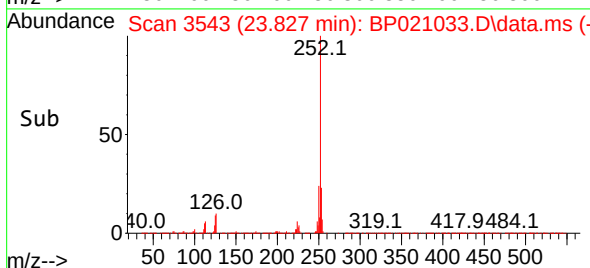
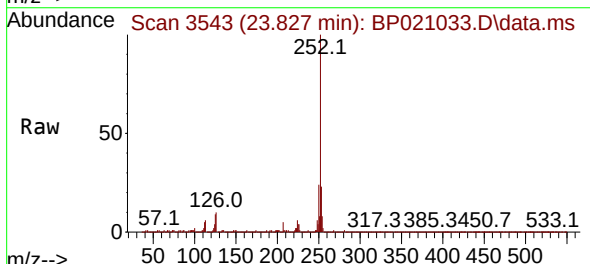
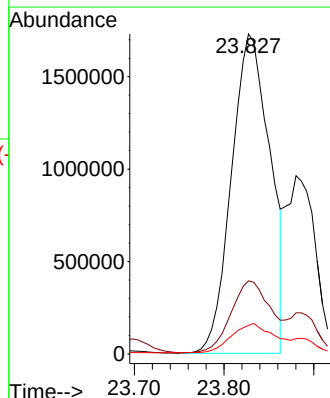
Tgt Ion:252 Resp: 5152647

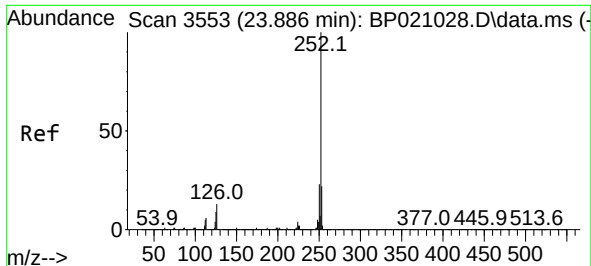
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

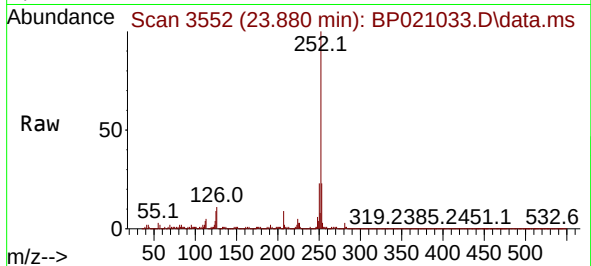
125 8.9 7.0 10.4





#91
Benzo(k)fluoranthene
Concen: 27.968 ng/ul m
RT: 23.880 min Scan# 3553
Delta R.T. 0.029 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53

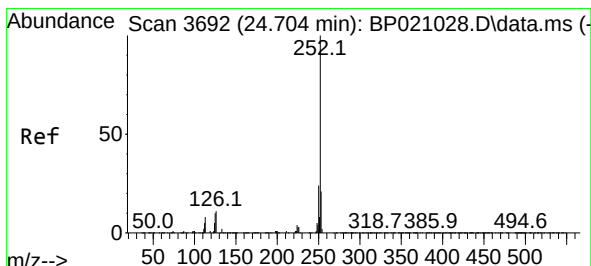
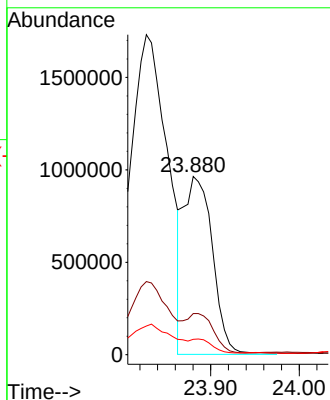
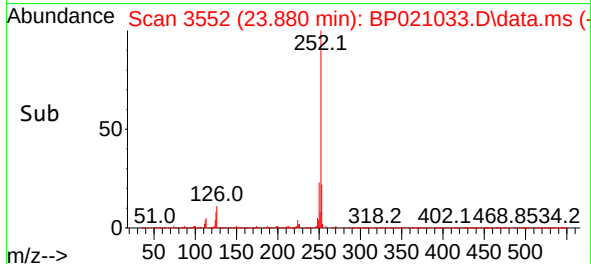
Instrument :
BNA_P
ClientSampleId :
A4C02



Tgt Ion:252 Resp: 2192014
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 8.6 7.4 11.0

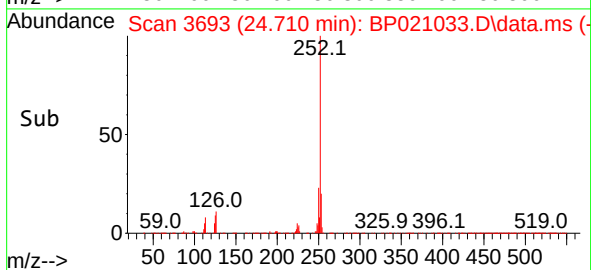
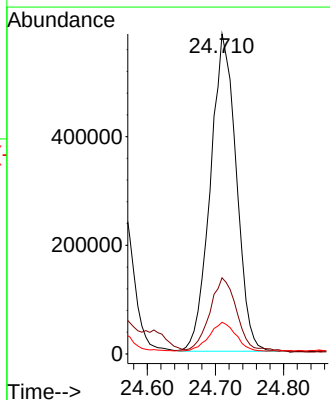
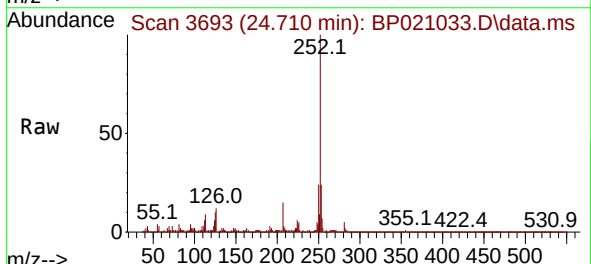
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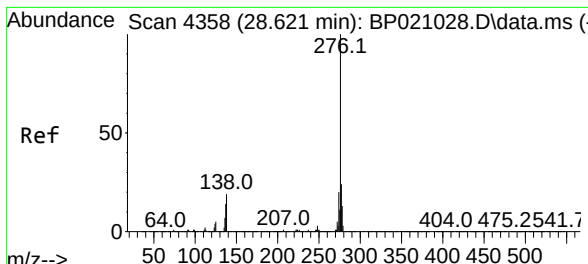
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#93
Benzo(a)pyrene
Concen: 20.805 ng/ul
RT: 24.710 min Scan# 3693
Delta R.T. 0.041 min
Lab File: BP021033.D
Acq: 18 Jul 2024 02:53

Tgt Ion:252 Resp: 1544027
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 9.9 7.7 11.5





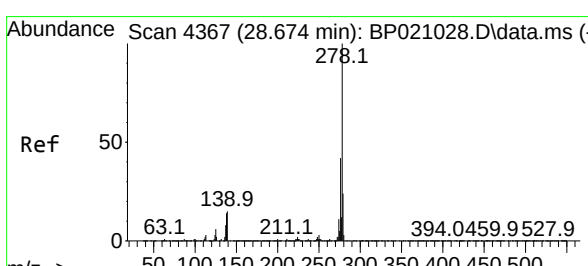
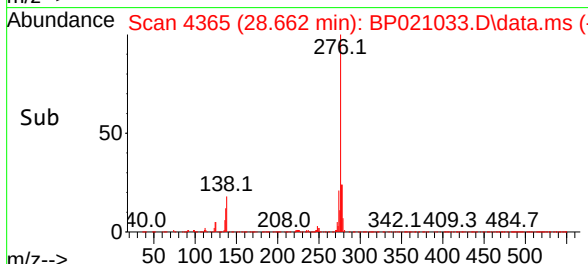
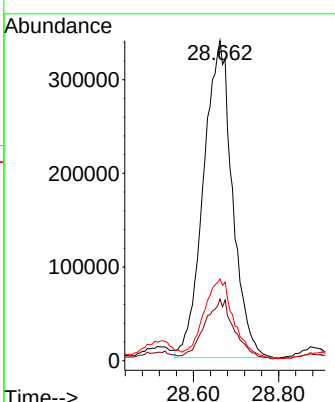
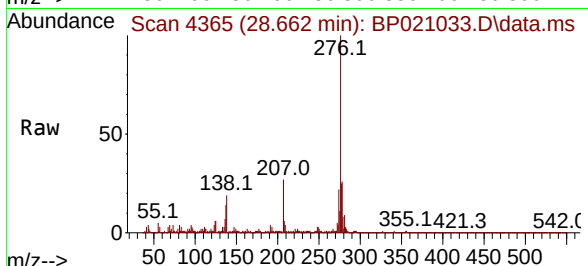
#94
 Indeno(1,2,3-cd)pyrene
 Concen: 16.694 ng/ul
 RT: 28.662 min Scan# 4365
 Delta R.T. 0.088 min
 Lab File: BP021033.D
 Acq: 18 Jul 2024 02:53

Instrument : BNA_P
 ClientSampleId : A4C02

Tgt Ion: 276 Resp: 159645

Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.3	21.5
277	25.5	19.2	28.8

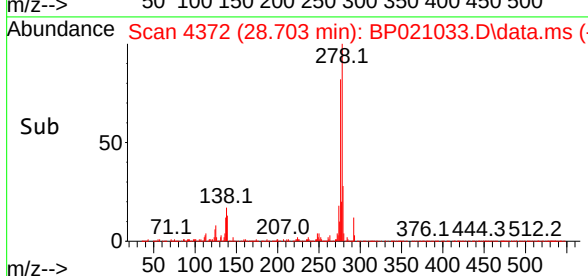
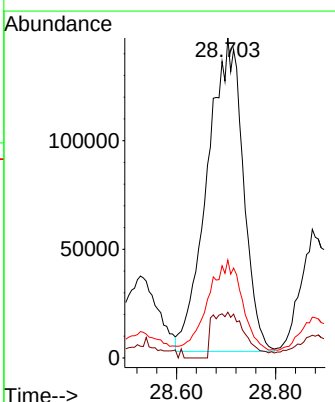
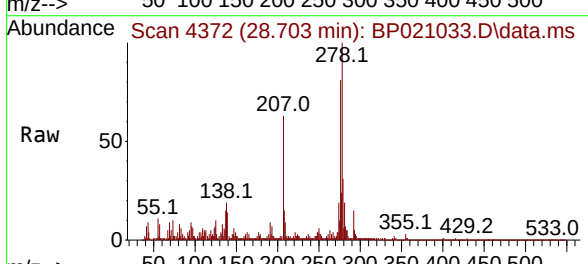
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 Reviewed By : Yogesh Patel 07/18/2024
 Supervised By : mohammad ahmed 07/19/2024

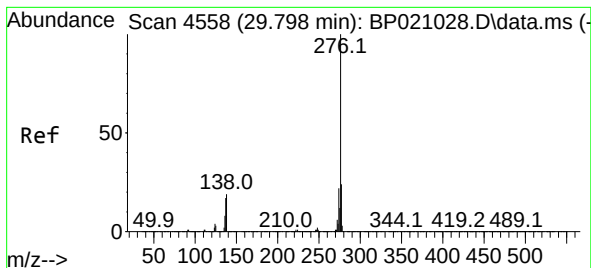


#95
 Dibenzo(a,h)anthracene
 Concen: 9.166 ng/ul m
 RT: 28.703 min Scan# 4372
 Delta R.T. 0.070 min
 Lab File: BP021033.D
 Acq: 18 Jul 2024 02:53

Tgt Ion: 278 Resp: 725829

Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.9	16.3
279	30.6	19.4	29.0





#96

Benzo(g,h,i)perylene

Concen: 2.680 ng/ul m

RT: 29.809 min Scan# 4560

Delta R.T. 0.082 min

Lab File: BP021033.D

Acq: 18 Jul 2024 02:53

Instrument :

BNA_P

ClientSampleId :

A4C02

Tgt Ion:276 Resp: 208710

Ion Ratio Lower Upper

276 100

138 23.0 15.3 22.9

277 25.3 18.2 27.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024

