

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021406.D
 Acq On : 07 Aug 2024 03:06
 Operator : CG/JU
 Sample : P3329-17DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F7E25DL

Manual Integrations
 APPROVED

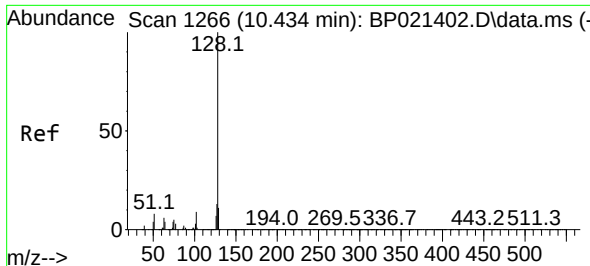
Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 07 04:09:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

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

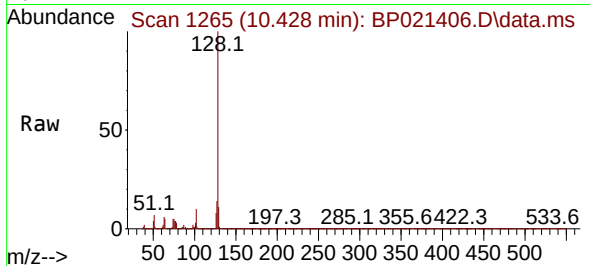
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	161776	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.381	136	692393	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.257	164	472431	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.081	188	1030396	20.000	ng/u1	-0.01
79) Chrysene-d12	21.522	240	1115419	20.000	ng/u1	-0.01
88) Perylene-d12	24.804	264	1327243	20.000	ng/u1	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.940	99	11869	0.900	ng/u1	0.09
9) Bis-(2-Chloroethyl)eth...	7.005	67	15362m	1.922	ng/u1	0.02
11) 2-Chlorophenol-d4	7.234	132	18250m	1.679	ng/u1	0.05
15) 4-Methylphenol-d8	8.428	113	19243m	1.757	ng/u1	0.07
21) Nitrobenzene-d5	8.840	128	7460	1.387	ng/u1	0.05
24) 2-Nitrophenol-d4	9.528	143	9919m	1.611	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.128	165	18483m	1.661	ng/u1	0.08
31) 4-Chloroaniline-d4	10.581	131	40252m	2.730	ng/u1	0.02
46) Dimethylphthalate-d6	13.693	166	82133	2.392	ng/u1	0.01
49) Acenaphthylene-d8	13.963	160	84040	2.179	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.281	176	73119	2.595	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.187	188	119361	2.608	ng/u1	0.00
81) Pyrene-d10	19.569	212	129987	1.885	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.586	264	109290	1.670	ng/u1	-0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.428	128	8553712	234.861	ng/u1	99
36) 2-Methylnaphthalene	12.052	142	2249696	89.987	ng/u1	99
37) 1-Methylnaphthalene	12.269	142	1030885	40.093	ng/u1	98
43) 1,1'-Biphenyl	13.075	154	575755	16.676	ng/u1	99
50) Acenaphthylene	13.993	152	136369	3.123	ng/u1#	91
52) Acenaphthene	14.328	153	2125115	73.332	ng/u1	98
56) Dibenzofuran	14.675	168	2406369	60.638	ng/u1	98
61) Fluorene	15.340	166	2480809	76.607	ng/u1	100
72) Phenanthrene	17.134	178	10206703	190.948	ng/u1	98
74) Anthracene	17.222	178	1576093	28.923	ng/u1	98
77) Carbazole	17.516	167	698272	15.675	ng/u1	99
80) Fluoranthene	19.222	202	6977239	83.781	ng/u1	100
82) Pyrene	19.604	202	3905080	46.081	ng/u1	99
85) Benzo(a)anthracene	21.504	228	1880395	24.066	ng/u1	98
87) Chrysene	21.569	228	1364999	18.800	ng/u1	98
90) Benzo(b)fluoranthene	23.774	252	1304958	16.202	ng/u1	98
91) Benzo(k)fluoranthene	23.833	252	395216	4.917	ng/u1	99
93) Benzo(a)pyrene	24.657	252	411578	5.408	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.592	276	208001m	2.121	ng/u1	
95) Dibenzo(a,h)anthracene	28.615	278	89490m	1.102	ng/u1	

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



#30
Naphthalene
Concen: 234.861 ng/ul
RT: 10.428 min Scan# 1265
Delta R.T. -0.011 min
Lab File: BP021406.D
Acq: 07 Aug 2024 03:06

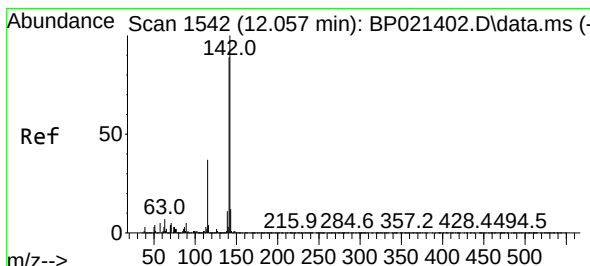
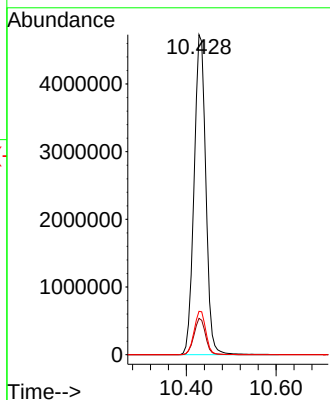
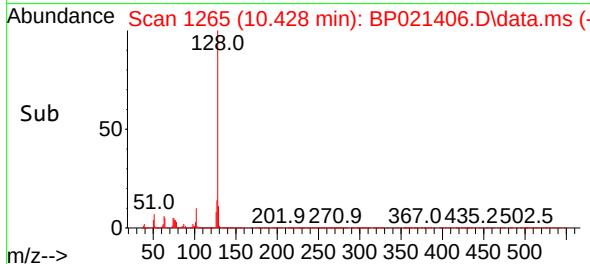
Instrument :
BNA_P
ClientSampleId :
F7E25DL



Tgt Ion:128 Resp: 855371
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.6 10.8 16.2

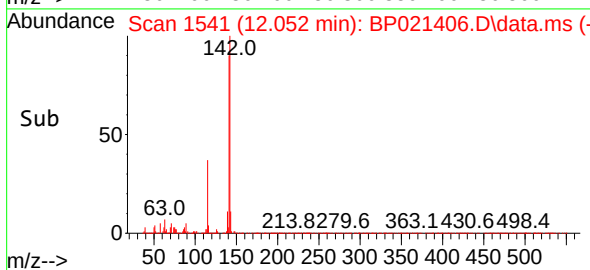
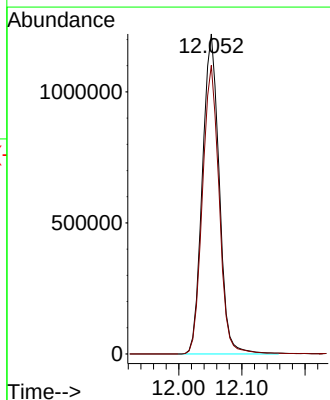
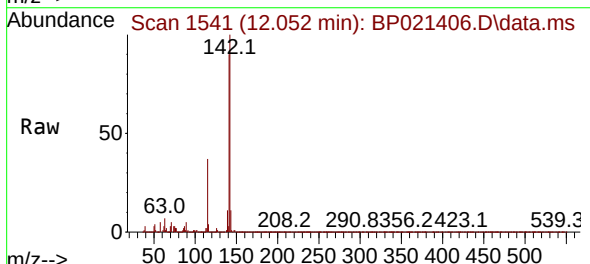
Manual Integrations
APPROVED

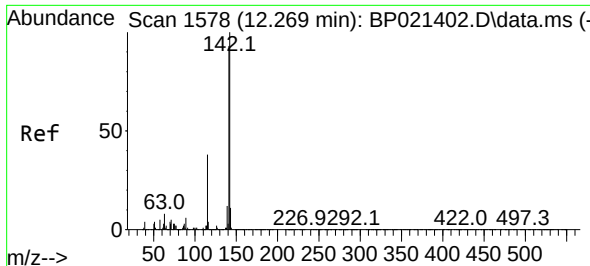
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#36
2-Methylnaphthalene
Concen: 89.987 ng/ul
RT: 12.052 min Scan# 1541
Delta R.T. -0.017 min
Lab File: BP021406.D
Acq: 07 Aug 2024 03:06

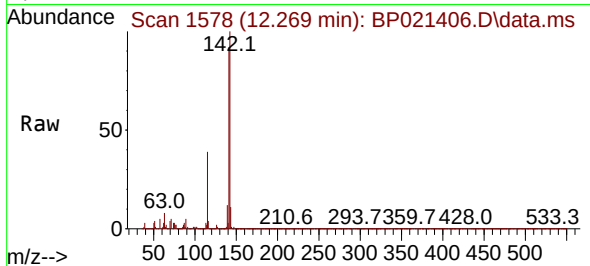
Tgt Ion:142 Resp: 2249696
Ion Ratio Lower Upper
142 100
141 90.2 72.6 108.8





#37
1-Methylnaphthalene
Concen: 40.093 ng/ul
RT: 12.269 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BP021406.D
Acq: 07 Aug 2024 03:06

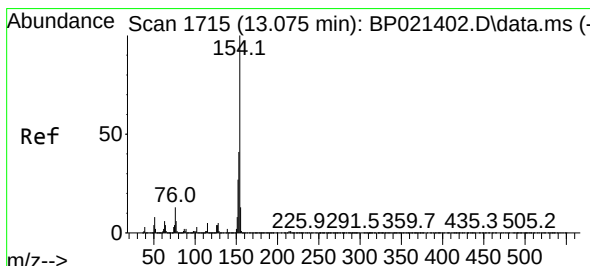
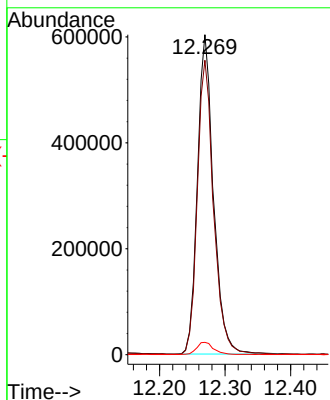
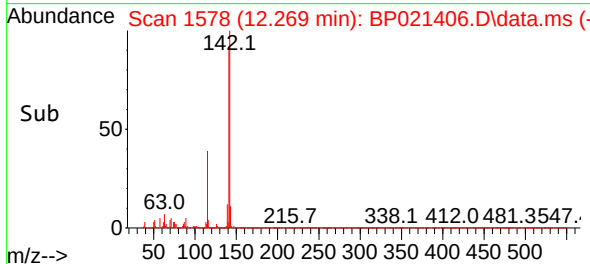
Instrument :
BNA_P
ClientSampleId :
F7E25DL



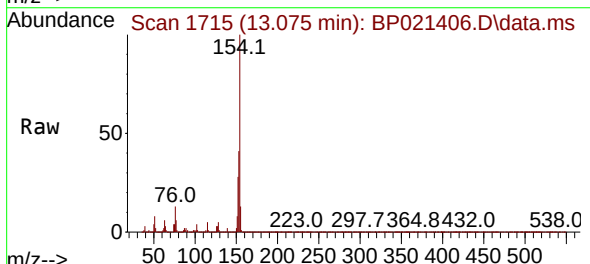
Tgt Ion:142 Resp: 103088
Ion Ratio Lower Upper
142 100
141 92.0 75.0 112.6
116 3.8 3.2 4.8

Manual Integrations
APPROVED

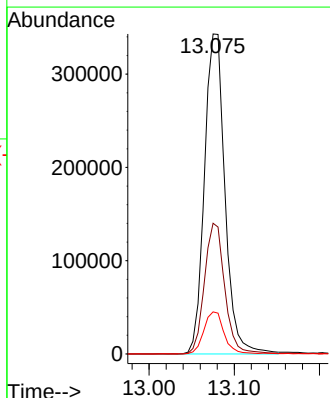
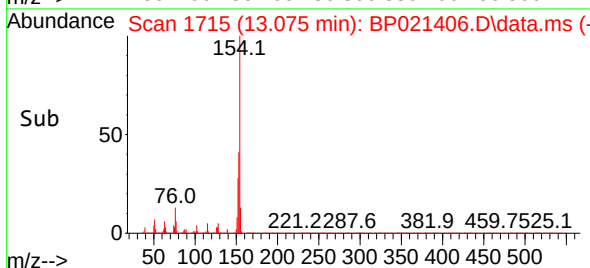
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024

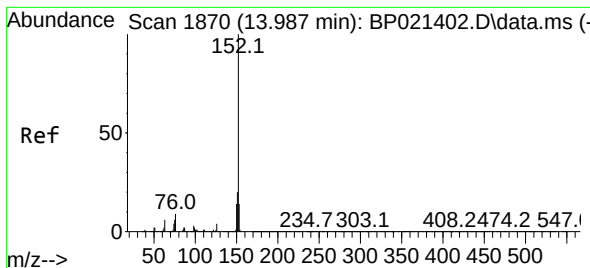


#43
1,1'-Biphenyl
Concen: 16.676 ng/ul
RT: 13.075 min Scan# 1715
Delta R.T. -0.011 min
Lab File: BP021406.D
Acq: 07 Aug 2024 03:06



Tgt Ion:154 Resp: 575755
Ion Ratio Lower Upper
154 100
153 40.8 32.7 49.1
76 13.1 9.4 14.2





#50

Acenaphthylene

Concen: 3.123 ng/ul

RT: 13.993 min Scan# 1871

Delta R.T. 0.000 min

Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

Instrument :

BNP_P

ClientSampleId :

F7E25DL

Tgt Ion:152 Resp: 136369

Ion Ratio Lower Upper

152 100

151 19.4 16.2 24.2

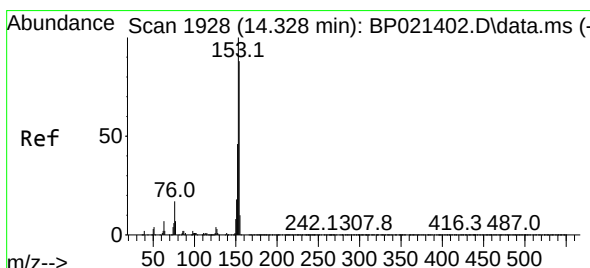
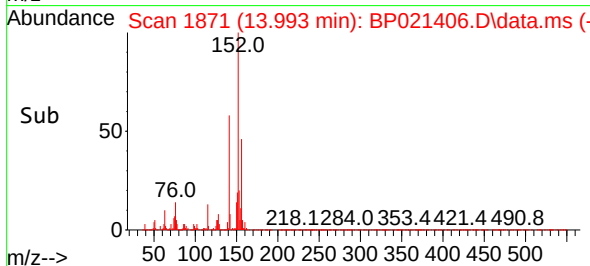
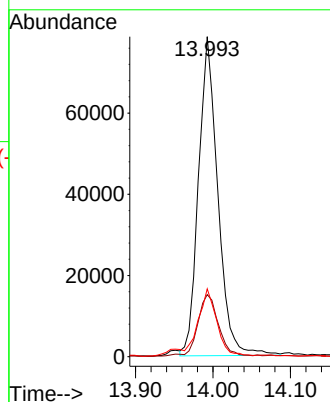
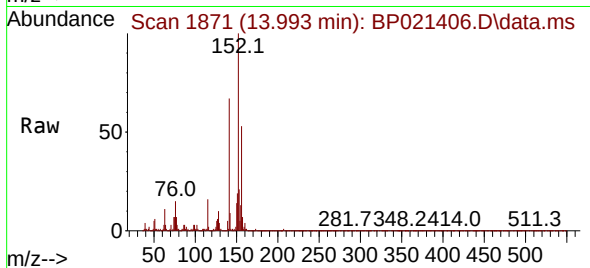
153 21.2 10.3 15.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#52

Acenaphthene

Concen: 73.332 ng/ul

RT: 14.328 min Scan# 1928

Delta R.T. -0.011 min

Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

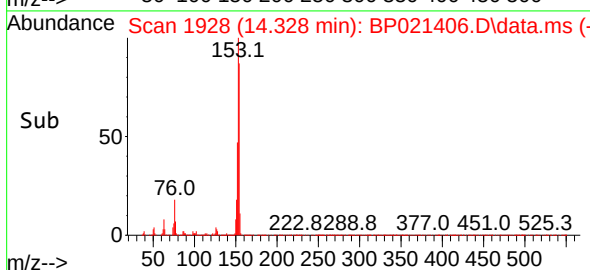
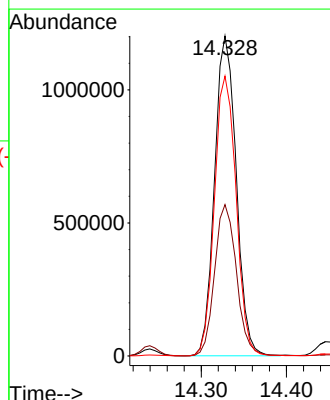
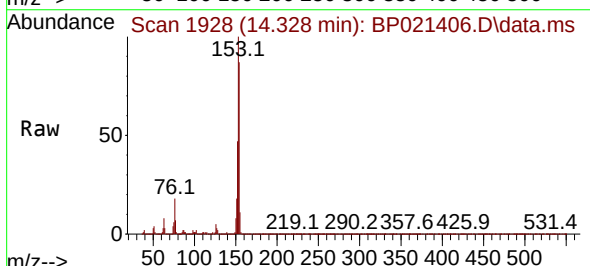
Tgt Ion:153 Resp: 2125115

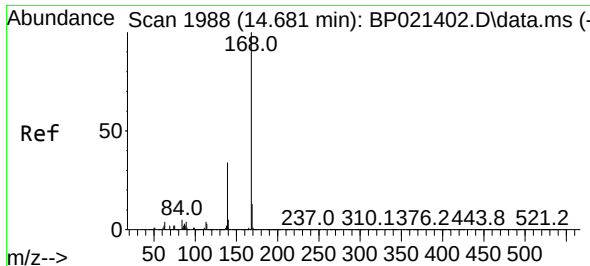
Ion Ratio Lower Upper

153 100

152 47.3 37.8 56.6

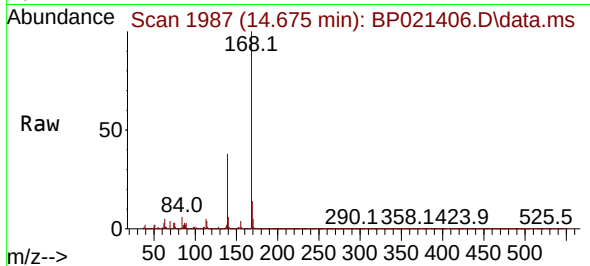
154 87.4 71.8 107.6





#56
Dibenzenofuran
Concen: 60.638 ng/ul
RT: 14.675 min Scan# 1988
Delta R.T. -0.011 min
Lab File: BP021406.D
Acq: 07 Aug 2024 03:06

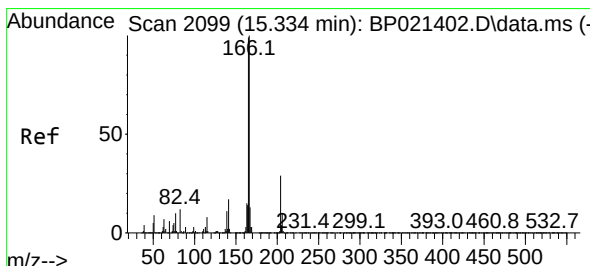
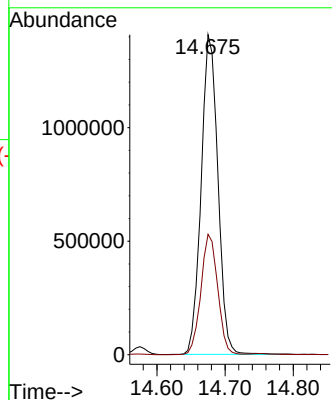
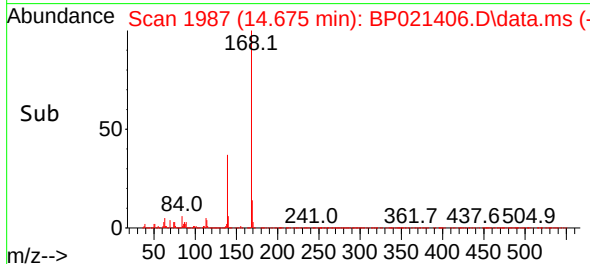
Instrument :
BNA_P
ClientSampleId :
F7E25DL



Tgt Ion:168 Resp: 2406369
Ion Ratio Lower Upper
168 100
139 37.6 31.1 46.7

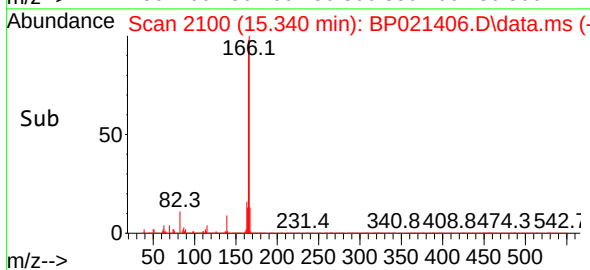
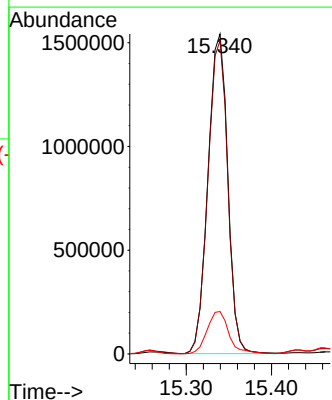
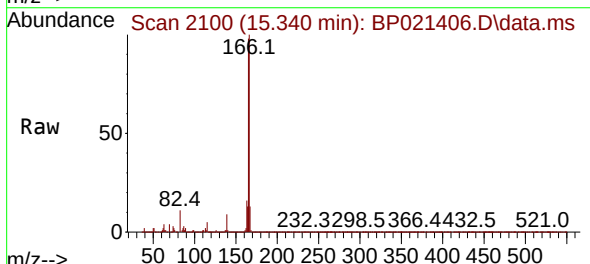
Manual Integrations
APPROVED

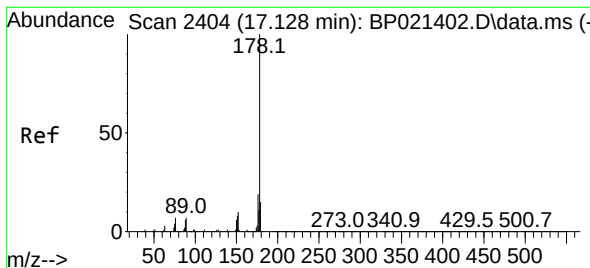
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#61
Fluorene
Concen: 76.607 ng/ul
RT: 15.340 min Scan# 2100
Delta R.T. -0.005 min
Lab File: BP021406.D
Acq: 07 Aug 2024 03:06

Tgt Ion:166 Resp: 2480809
Ion Ratio Lower Upper
166 100
165 97.9 78.1 117.1
167 13.3 10.9 16.3





#72

Phenanthrene

Concen: 190.948 ng/ul

RT: 17.134 min Scan# 2404

Delta R.T. 0.000 min

Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

Instrument :

BNP_P

ClientSampleId :

F7E25DL

Tgt Ion:178 Resp:1020670

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

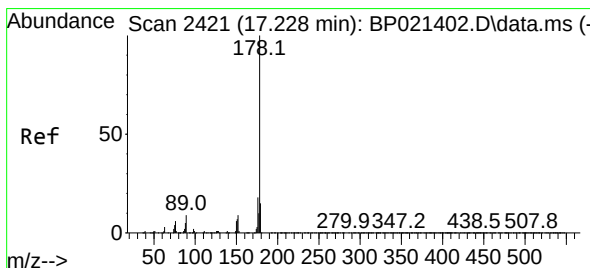
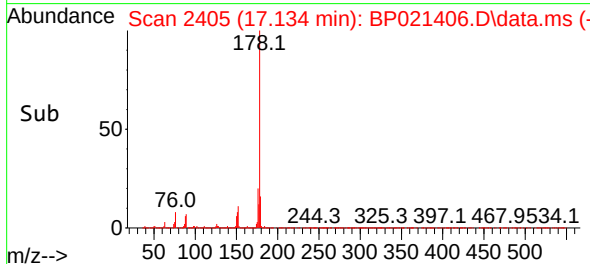
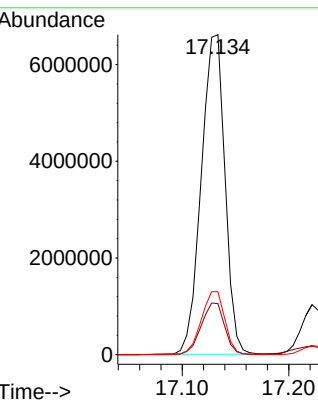
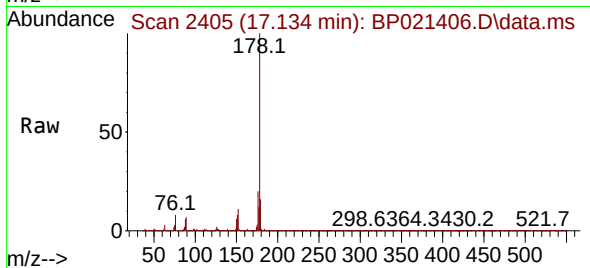
176 19.7 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#74

Anthracene

Concen: 28.923 ng/ul

RT: 17.222 min Scan# 2420

Delta R.T. -0.011 min

Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

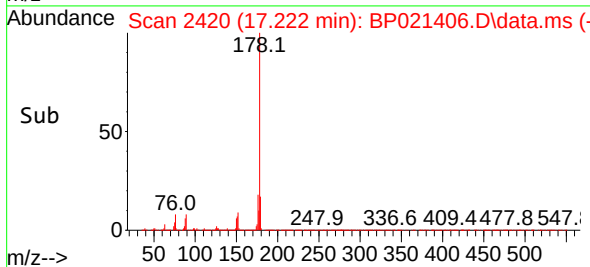
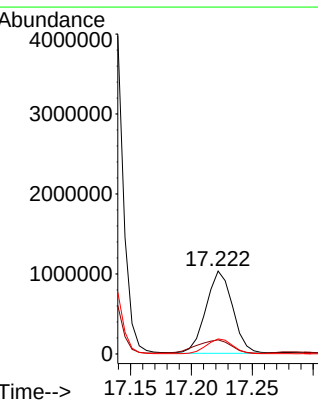
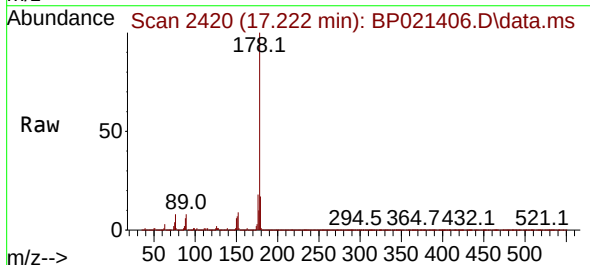
Tgt Ion:178 Resp: 1576093

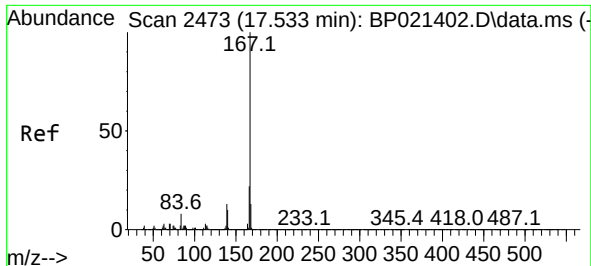
Ion Ratio Lower Upper

178 100

179 17.1 12.5 18.7

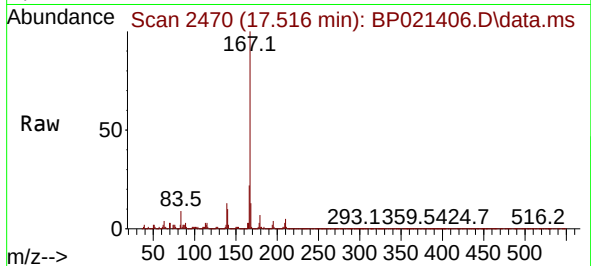
176 18.1 14.8 22.2





#77
 Carbazole
 Concen: 15.675 ng/ul
 RT: 17.516 min Scan# 2470
 Delta R.T. -0.005 min
 Lab File: BP021406.D
 Acq: 07 Aug 2024 03:06

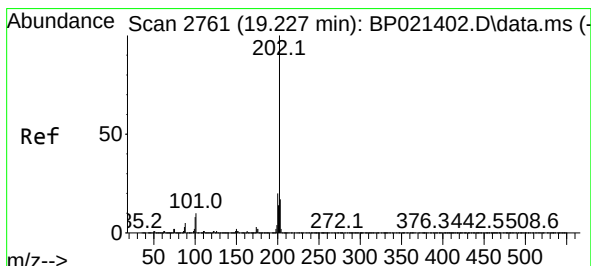
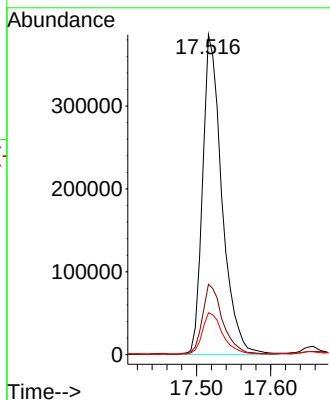
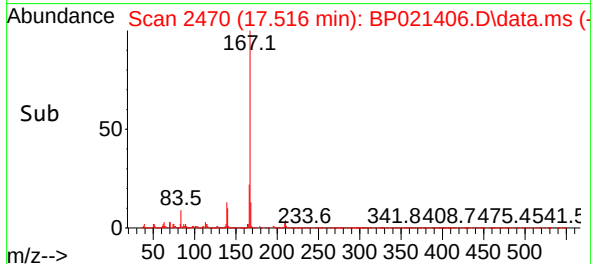
Instrument :
 BNA_P
 ClientSampleId :
 F7E25DL



Tgt Ion:167 Resp: 698272
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.3 25.9
 139 13.1 10.2 15.2

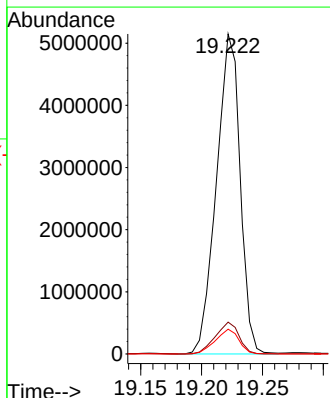
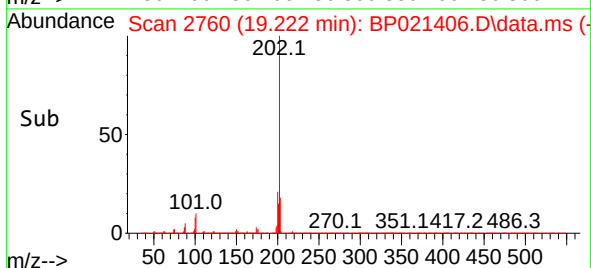
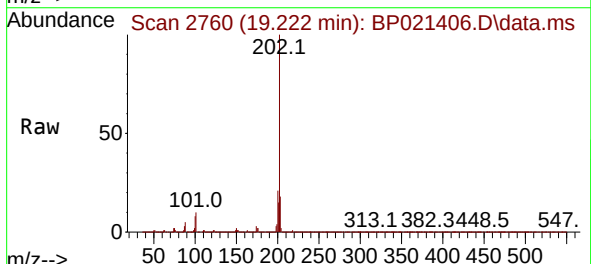
Manual Integrations
 APPROVED

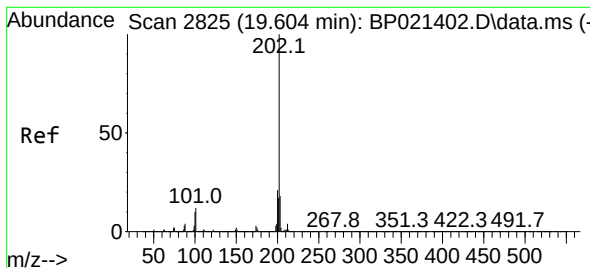
Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



#80
 Fluoranthene
 Concen: 83.781 ng/ul
 RT: 19.222 min Scan# 2760
 Delta R.T. -0.011 min
 Lab File: BP021406.D
 Acq: 07 Aug 2024 03:06

Tgt Ion:202 Resp: 6977239
 Ion Ratio Lower Upper
 202 100
 101 10.0 8.0 12.0
 100 7.7 6.1 9.1





#82

Pyrene

Concen: 46.081 ng/ul

RT: 19.604 min Scan# 21

Delta R.T. -0.005 min

Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

Instrument :

BNA_P

ClientSampleId :

F7E25DL

Tgt Ion:202 Resp: 3905080

Ion Ratio Lower Upper

202 100

101 11.3 9.4 14.2

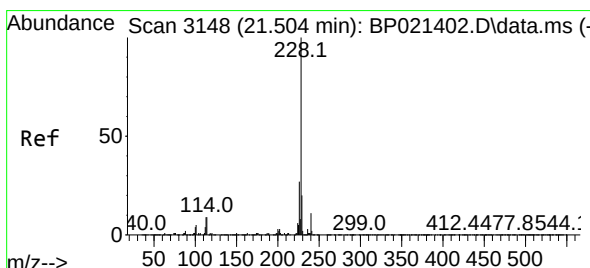
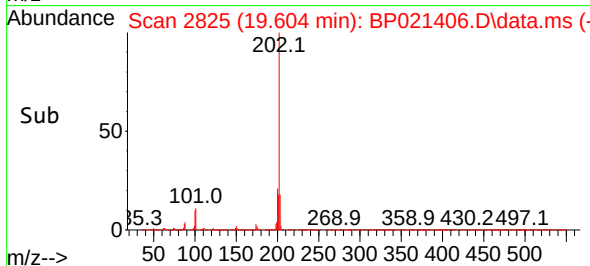
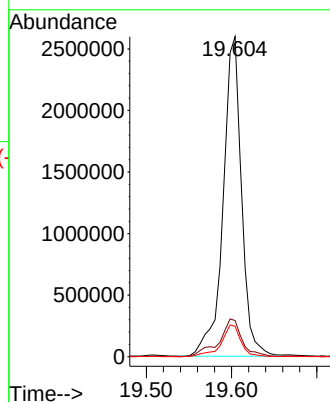
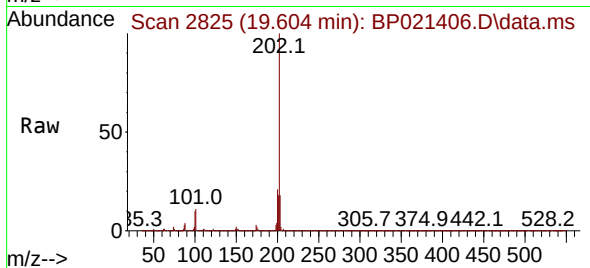
100 9.5 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#85

Benzo(a)anthracene

Concen: 24.066 ng/ul

RT: 21.504 min Scan# 3148

Delta R.T. -0.005 min

Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

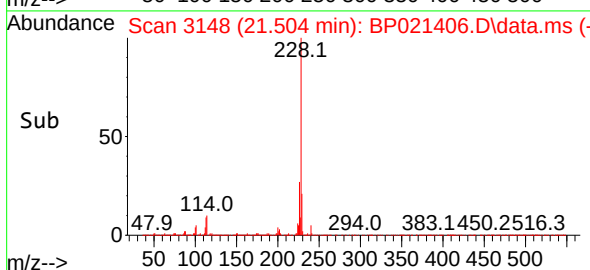
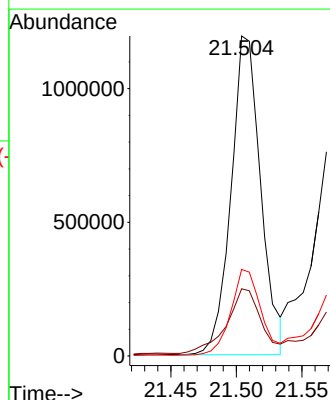
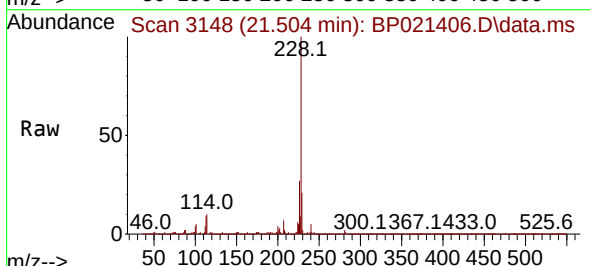
Tgt Ion:228 Resp: 1880395

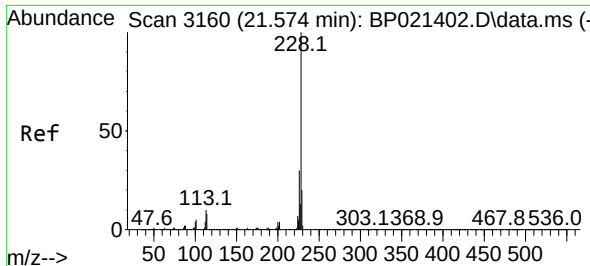
Ion Ratio Lower Upper

228 100

229 21.0 15.5 23.3

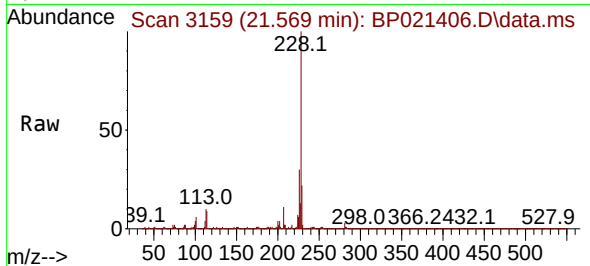
226 27.0 21.4 32.2





#87
Chrysene
Concen: 18.800 ng/ul
RT: 21.569 min Scan# 3160
Delta R.T. -0.017 min
Lab File: BP021406.D
Acq: 07 Aug 2024 03:06

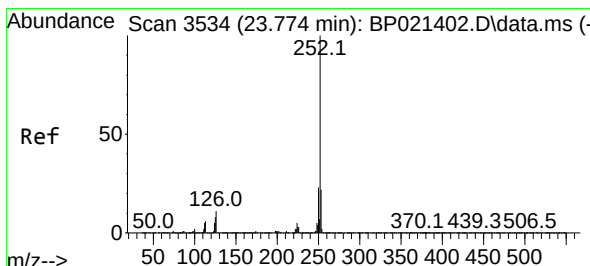
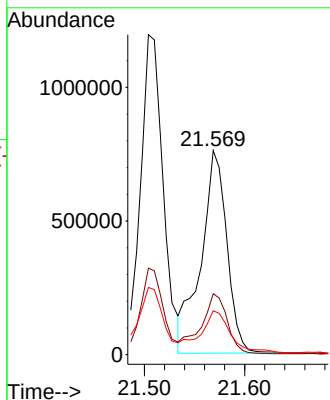
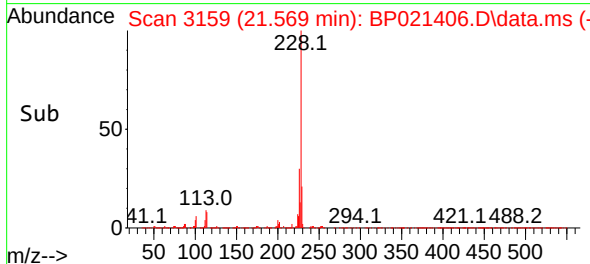
Instrument :
BNA_P
ClientSampleId :
F7E25DL



Tgt Ion:228 Resp: 1364999
Ion Ratio Lower Upper
228 100
226 29.8 23.6 35.4
229 21.6 15.5 23.3

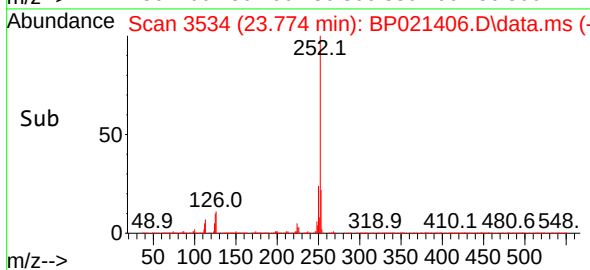
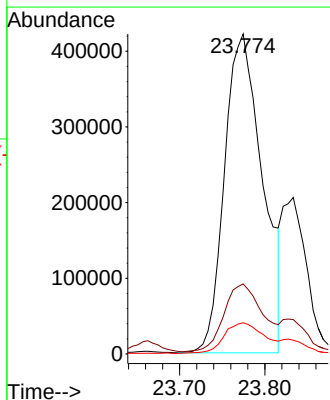
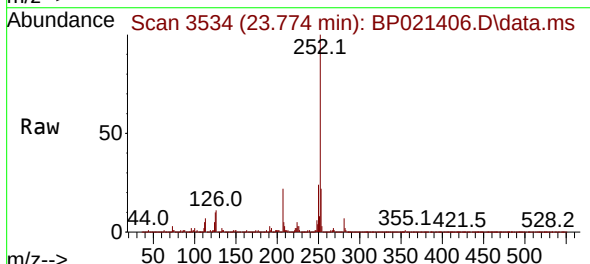
Manual Integrations
APPROVED

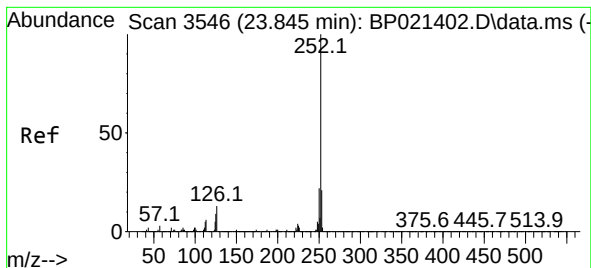
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#90
Benzo(b)fluoranthene
Concen: 16.202 ng/ul
RT: 23.774 min Scan# 3534
Delta R.T. -0.011 min
Lab File: BP021406.D
Acq: 07 Aug 2024 03:06

Tgt Ion:252 Resp: 1304958
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 9.8 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 4.917 ng/ul

RT: 23.833 min Scan# 3544

Delta R.T. -0.017 min

Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

Instrument :

BNA_P

ClientSampleId :

F7E25DL

Tgt Ion:252 Resp: 395210

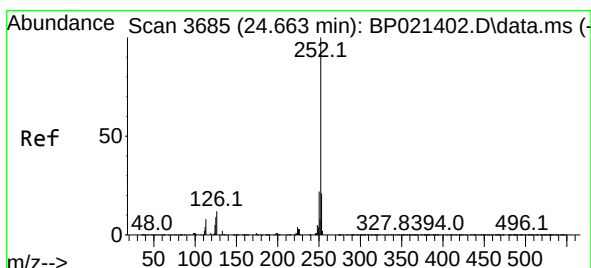
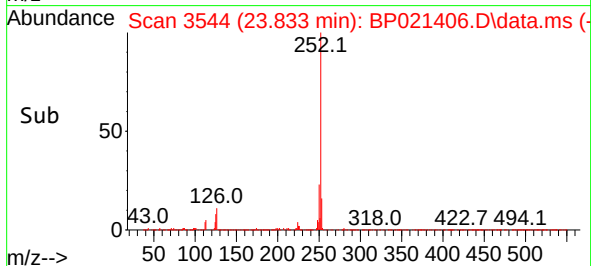
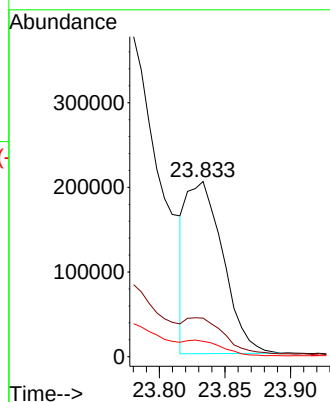
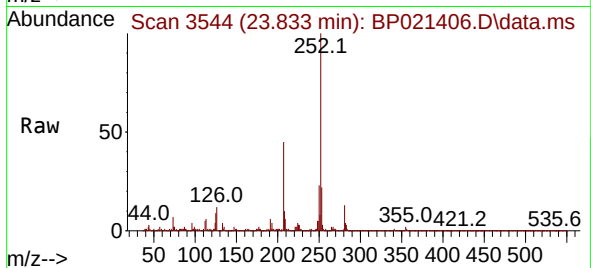
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.8	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#93

Benzo(a)pyrene

Concen: 5.408 ng/ul

RT: 24.657 min Scan# 3684

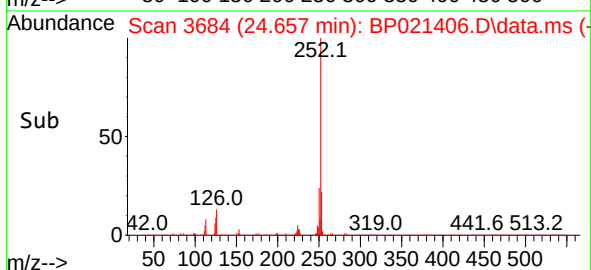
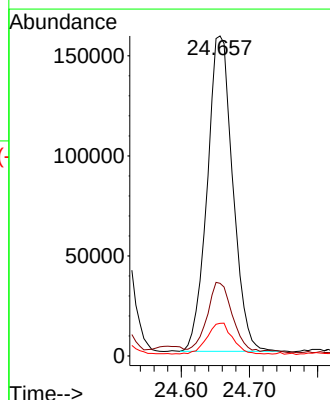
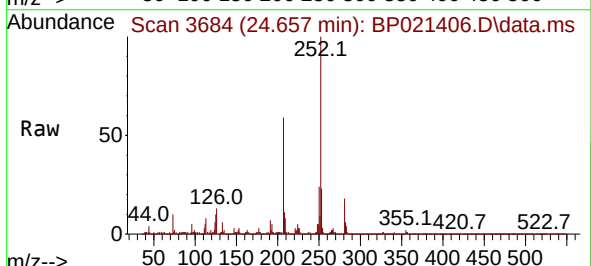
Delta R.T. -0.023 min

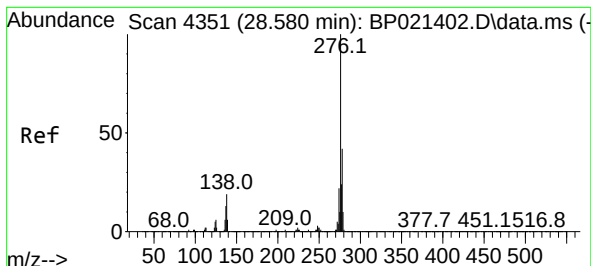
Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

Tgt Ion:252 Resp: 411578

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	10.2	7.7	11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.121 ng/ul m

RT: 28.592 min Scan# 4353

Delta R.T. -0.005 min

Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

Instrument :

BNA_P

ClientSampleId :

F7E25DL

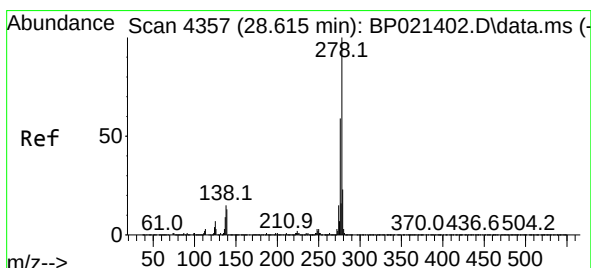
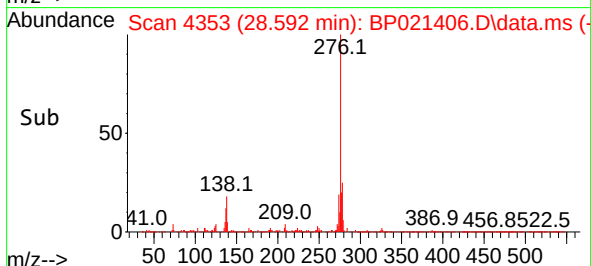
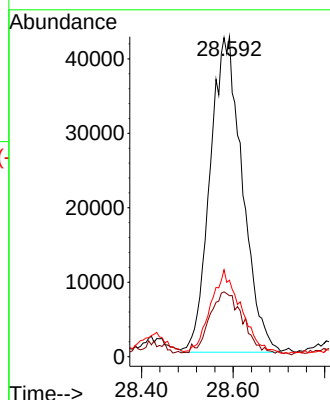
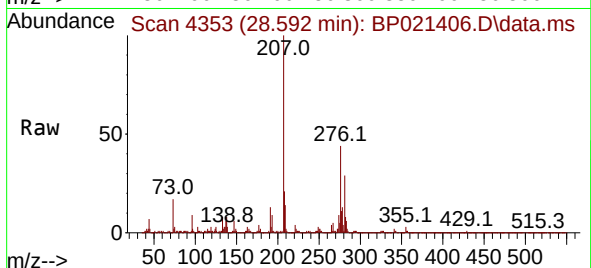
Tgt Ion:	276	Resp:	20800
Ion Ratio	Lower	Upper	
276	100		
138	19.1	14.3	21.5
277	23.9	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.102 ng/ul m

RT: 28.615 min Scan# 4357

Delta R.T. -0.023 min

Lab File: BP021406.D

Acq: 07 Aug 2024 03:06

Tgt Ion:	278	Resp:	89490
Ion Ratio	Lower	Upper	
278	100		
139	13.6	10.9	16.3
279	29.2	19.4	29.0

