

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021410.D
 Acq On : 07 Aug 2024 06:09
 Operator : CG/JU
 Sample : P3329-02DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F7E01DL

Manual Integrations
 APPROVED

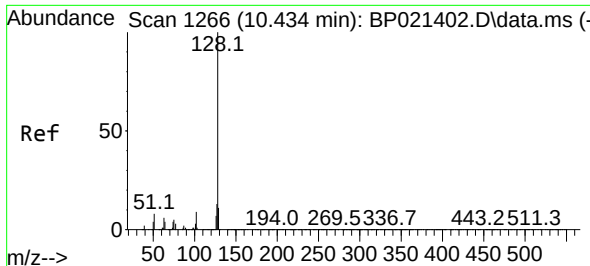
Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 07 06:39:04 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)

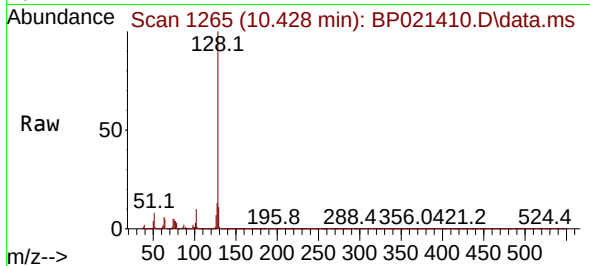
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	197677	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.381	136	840617	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.263	164	576121	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.086	188	1044526	20.000	ng/u1	0.00
79) Chrysene-d12	21.521	240	1217602	20.000	ng/u1	-0.01
88) Perylene-d12	24.798	264	1480975	20.000	ng/u1	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.164	96	1900m	0.437	ng/uL	-0.01
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.934	99	20220	1.255	ng/u1	0.09
9) Bis-(2-Chloroethyl)eth...	7.005	67	22683m	2.322	ng/u1	0.02
11) 2-Chlorophenol-d4	7.228	132	27992m	2.108	ng/u1	0.05
15) 4-Methylphenol-d8	8.416	113	29458m	2.201	ng/u1	0.05
21) Nitrobenzene-d5	8.840	128	11463	1.756	ng/u1	0.05
24) 2-Nitrophenol-d4	9.528	143	12961m	1.734	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.128	165	29138m	2.156	ng/u1	0.08
31) 4-Chloroaniline-d4	10.610	131	50241m	2.807	ng/u1	0.05
46) Dimethylphthalate-d6	13.681	166	126087	3.011	ng/u1	0.00
49) Acenaphthylene-d8	13.963	160	123847	2.634	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.275	176	105198	3.062	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.186	188	141367	3.047	ng/u1	0.00
81) Pyrene-d10	19.574	212	171000	2.272	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.586	264	133682	1.830	ng/u1	-0.01
Target Compounds	Qvalue					
30) Naphthalene	10.428	128	4437357	100.354	ng/u1	99
36) 2-Methylnaphthalene	12.051	142	2758981	90.899	ng/u1	99
37) 1-Methylnaphthalene	12.269	142	1422297	45.562	ng/u1	99
43) 1,1'-Biphenyl	13.075	154	865046	20.546	ng/u1	99
50) Acenaphthylene	13.992	152	131700	2.473	ng/u1#	90
52) Acenaphthene	14.328	153	3145419	89.005	ng/u1	99
56) Dibenzofuran	14.669	168	3476828	71.844	ng/u1	99
61) Fluorene	15.333	166	3741479	94.743	ng/u1	100
72) Phenanthrene	17.139	178	12665459	233.741	ng/u1	98
74) Anthracene	17.222	178	3229603	58.464	ng/u1	99
77) Carbazole	17.527	167	552277	12.230	ng/u1	97
80) Fluoranthene	19.221	202	9357961	102.938	ng/u1	99
82) Pyrene	19.604	202	5122109	55.370	ng/u1	99
85) Benzo(a)anthracene	21.504	228	2649960	31.069	ng/u1	99
87) Chrysene	21.568	228	2343105	29.564	ng/u1	97
90) Benzo(b)fluoranthene	23.768	252	1792200	19.942	ng/u1	98
91) Benzo(k)fluoranthene	23.827	252	629425	7.018	ng/u1	99
93) Benzo(a)pyrene	24.651	252	549375	6.469	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.586	276	296645m	2.711	ng/u1	
95) Dibenzo(a,h)anthracene	28.586	278	127745	1.410	ng/u1#	89

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



#30
Naphthalene
Concen: 100.354 ng/ul
RT: 10.428 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

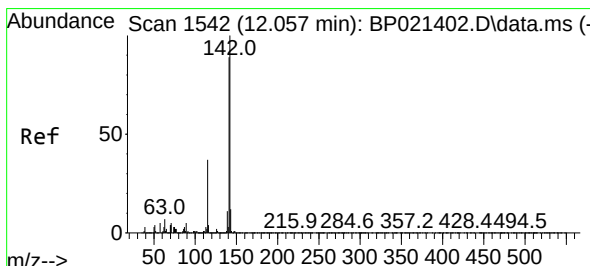
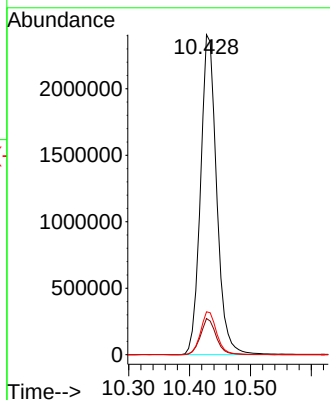
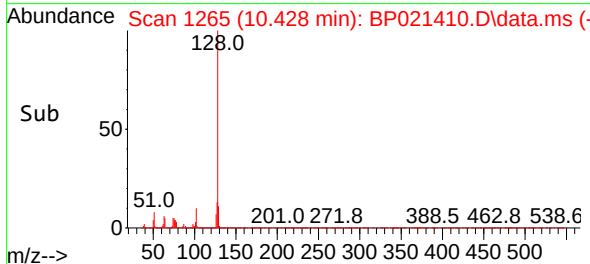
Instrument :
BNA_P
ClientSampleId :
F7E01DL



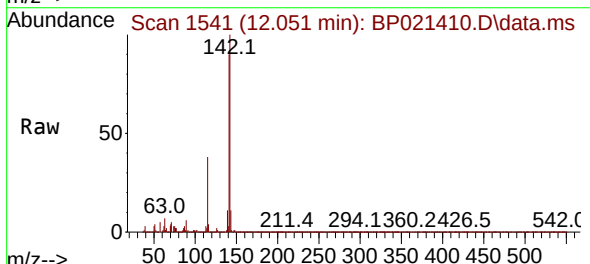
Tgt Ion:128 Resp: 443735
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.4 10.8 16.2

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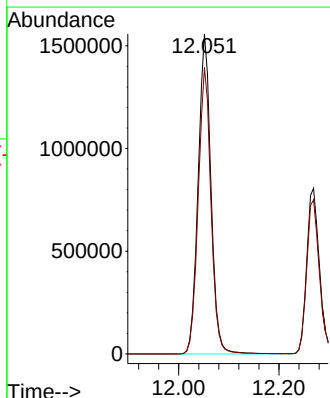
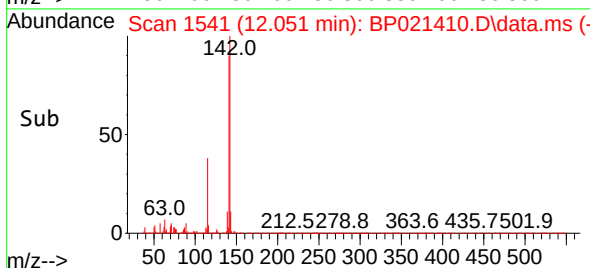
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024

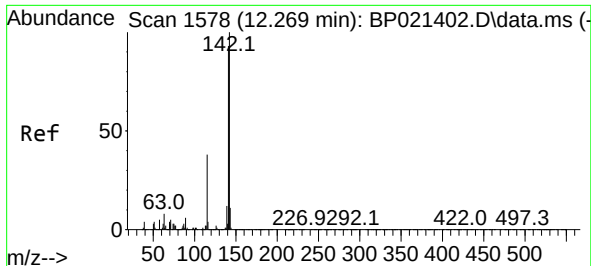


#36
2-Methylnaphthalene
Concen: 90.899 ng/ul
RT: 12.051 min Scan# 1541
Delta R.T. -0.017 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09



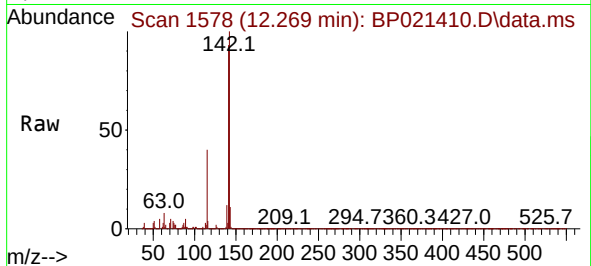
Tgt Ion:142 Resp: 2758981
Ion Ratio Lower Upper
142 100
141 89.5 72.6 108.8





#37
1-Methylnaphthalene
Concen: 45.562 ng/ul
RT: 12.269 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

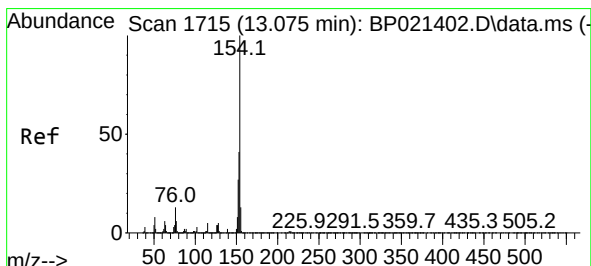
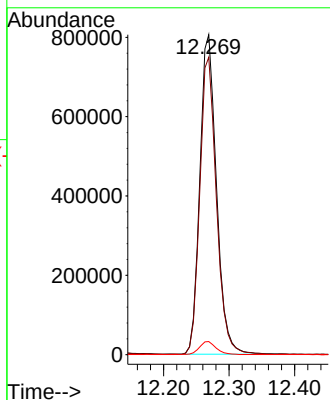
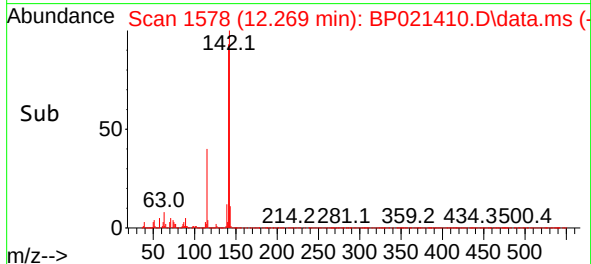
Instrument :
BNA_P
Client SampleId :
F7E01DL



Tgt Ion:142 Resp: 142229
Ion Ratio Lower Upper
142 100
141 93.0 75.0 112.6
116 4.1 3.2 4.8

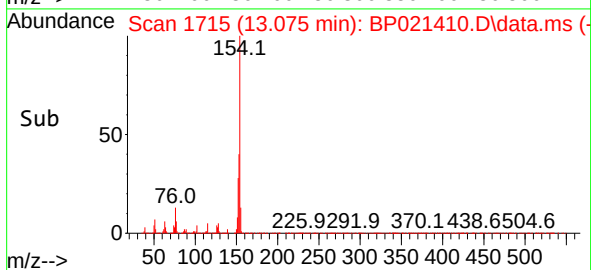
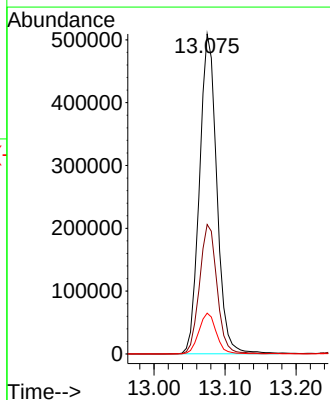
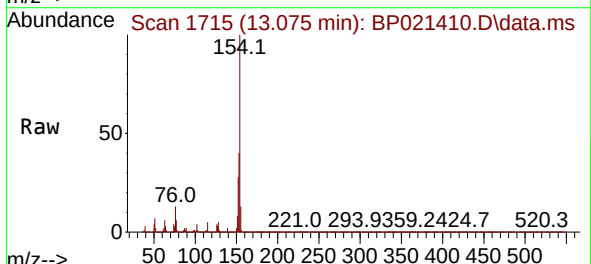
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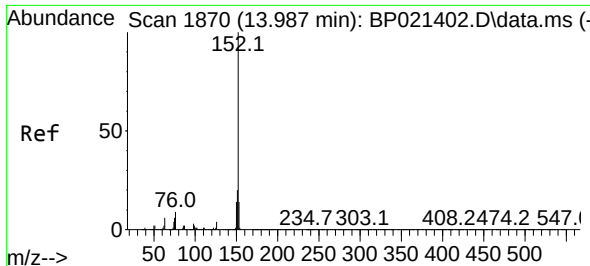
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#43
1,1'-Biphenyl
Concen: 20.546 ng/ul
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

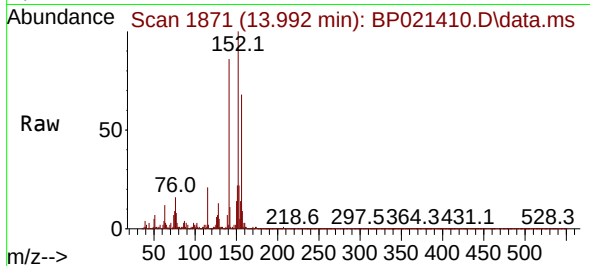
Tgt Ion:154 Resp: 865046
Ion Ratio Lower Upper
154 100
153 40.5 32.7 49.1
76 12.7 9.4 14.2





#50
Acenaphthylene
Concen: 2.473 ng/ul
RT: 13.992 min Scan# 1871
Delta R.T. 0.000 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

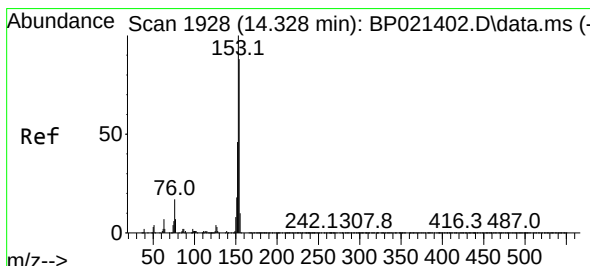
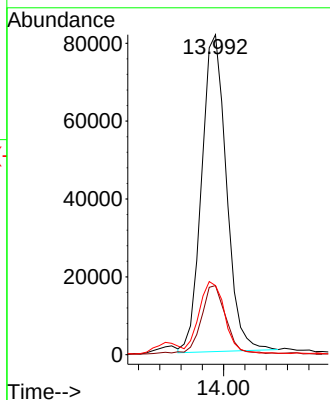
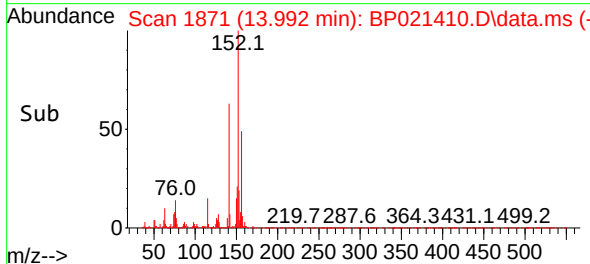
Instrument :
BNA_P
ClientSampleId :
F7E01DL



Tgt Ion:152 Resp: 131700
Ion Ratio Lower Upper
152 100
151 21.6 16.2 24.2
153 21.6 10.3 15.5

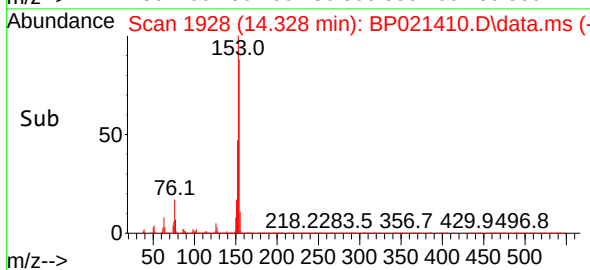
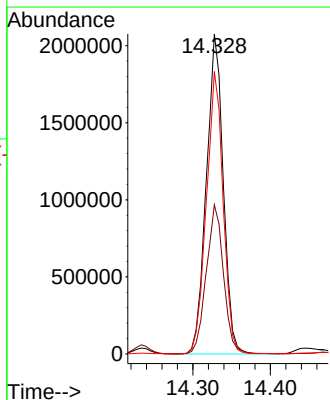
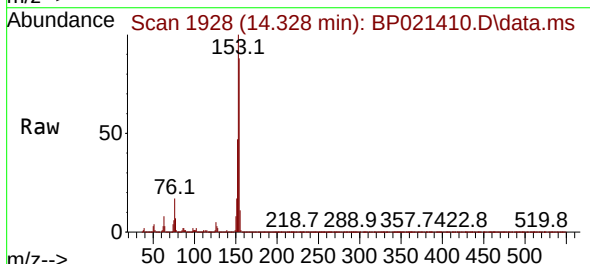
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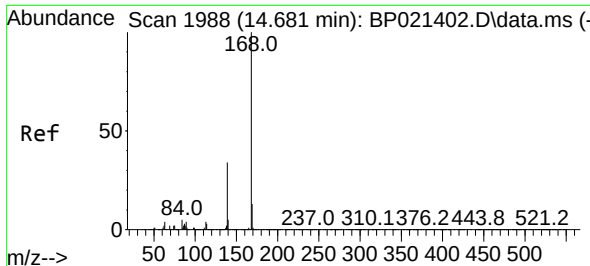
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#52
Acenaphthene
Concen: 89.005 ng/ul
RT: 14.328 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

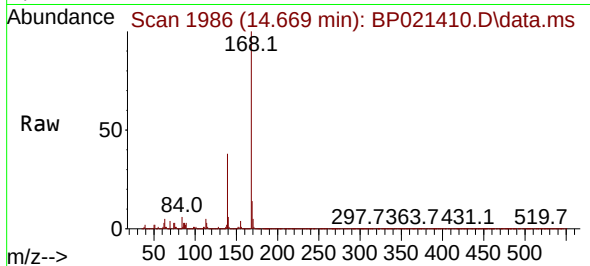
Tgt Ion:153 Resp: 3145419
Ion Ratio Lower Upper
153 100
152 46.6 37.8 56.6
154 88.2 71.8 107.6





#56
Dibenzenofuran
Concen: 71.844 ng/ul
RT: 14.669 min Scan# 1986
Delta R.T. -0.017 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

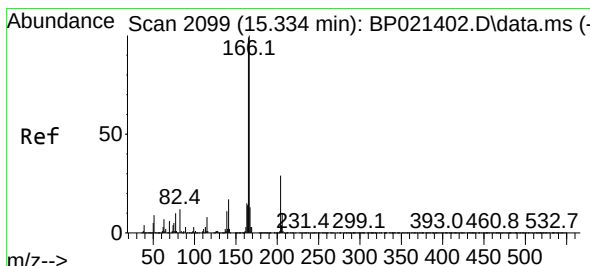
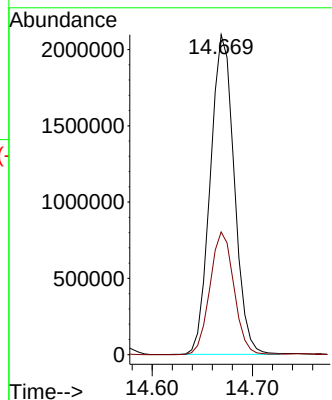
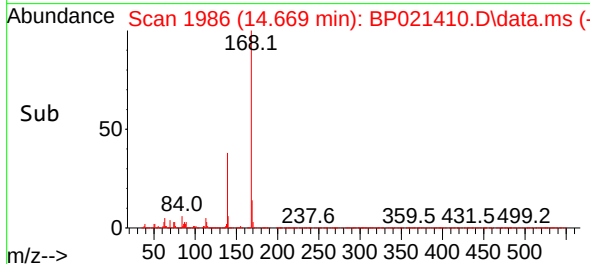
Instrument :
BNA_P
ClientSampleId :
F7E01DL



Tgt Ion:168 Resp: 3476828
Ion Ratio Lower Upper
168 100
139 38.3 31.1 46.7

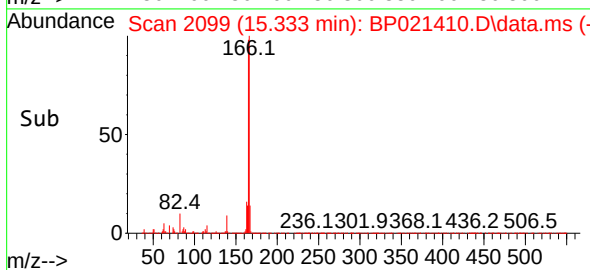
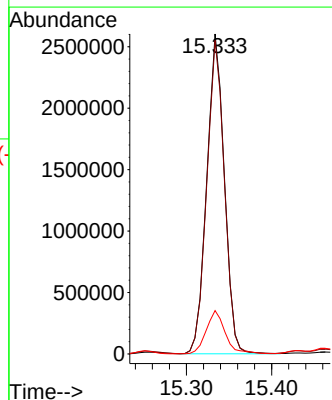
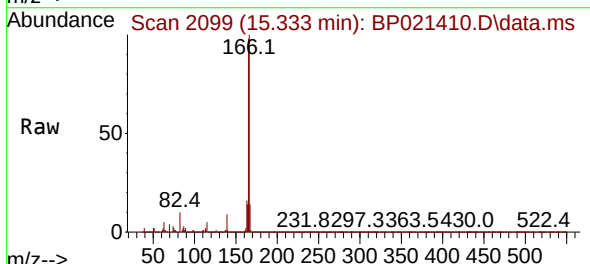
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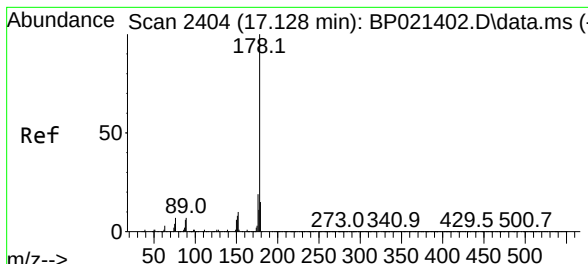
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#61
Fluorene
Concen: 94.743 ng/ul
RT: 15.333 min Scan# 2099
Delta R.T. -0.012 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

Tgt Ion:166 Resp: 3741479
Ion Ratio Lower Upper
166 100
165 98.0 78.1 117.1
167 13.6 10.9 16.3





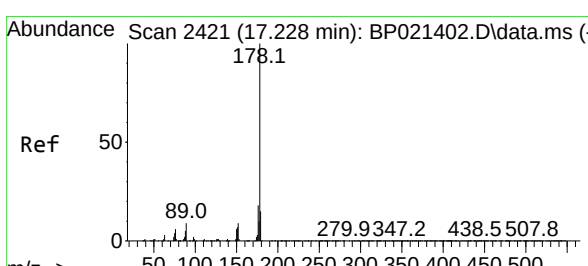
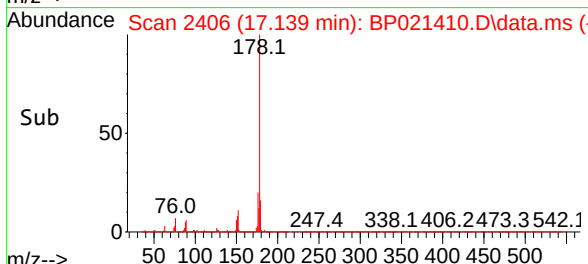
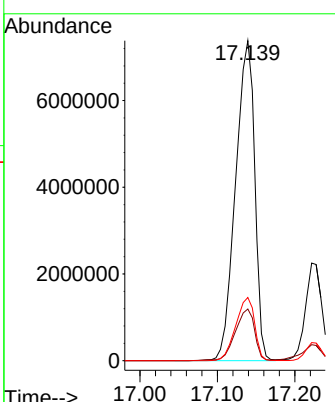
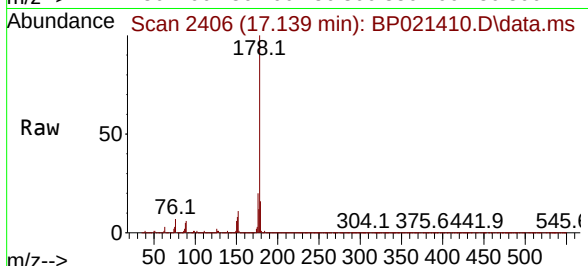
#72
 Phenanthrene
 Concen: 233.741 ng/ul
 RT: 17.139 min Scan# 2406
 Delta R.T. 0.006 min
 Lab File: BP021410.D
 Acq: 07 Aug 2024 06:09

Instrument : BNA_P
 ClientSampleId : F7E01DL

Tgt Ion:178 Resp:1266545

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.2	18.4
176	19.7	15.0	22.4

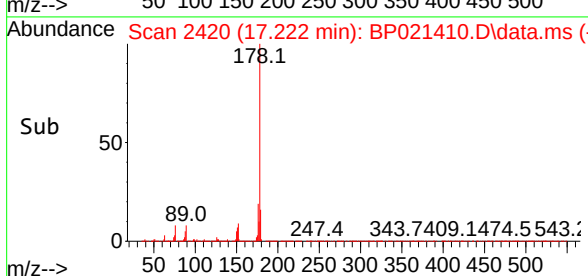
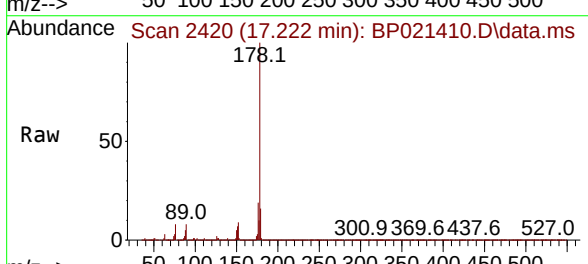
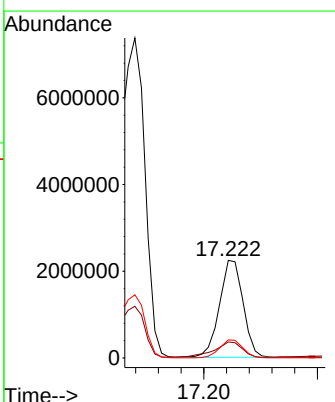
Manual Integrations
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 Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024

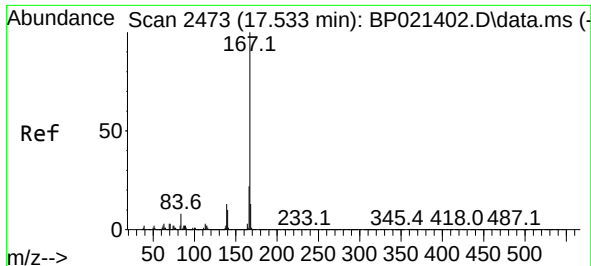


#74
 Anthracene
 Concen: 58.464 ng/ul
 RT: 17.222 min Scan# 2420
 Delta R.T. -0.012 min
 Lab File: BP021410.D
 Acq: 07 Aug 2024 06:09

Tgt Ion:178 Resp: 3229603

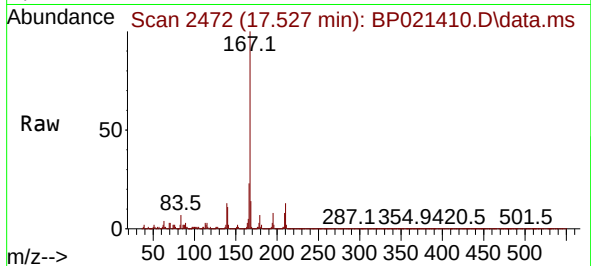
Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.5	18.7
176	18.5	14.8	22.2





#77
 Carbazole
 Concen: 12.230 ng/ul
 RT: 17.527 min Scan# 2473
 Delta R.T. 0.006 min
 Lab File: BP021410.D
 Acq: 07 Aug 2024 06:09

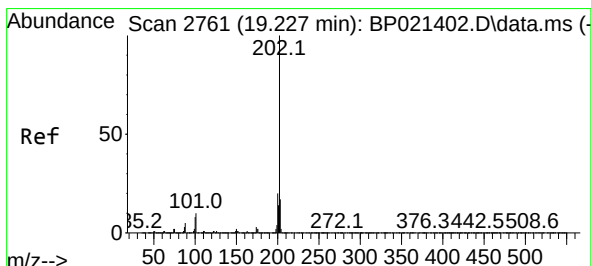
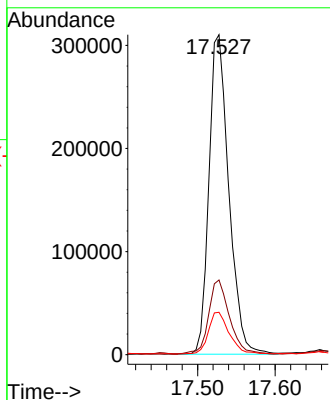
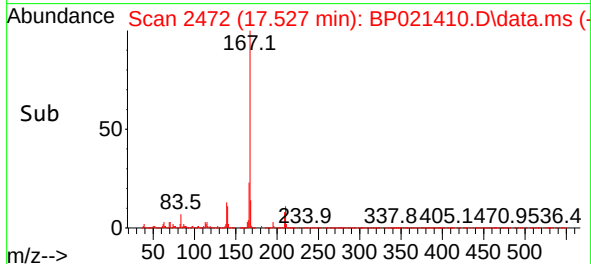
Instrument :
 BNA_P
 ClientSampleId :
 F7E01DL



Tgt Ion:167 Resp: 55227
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.3 25.9
 139 13.3 10.2 15.2

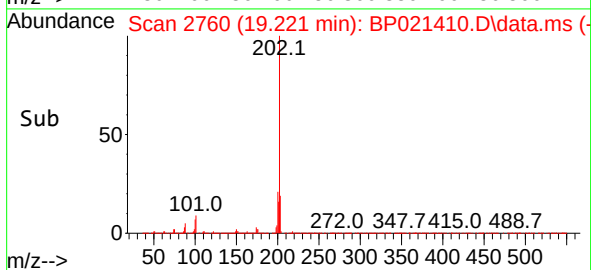
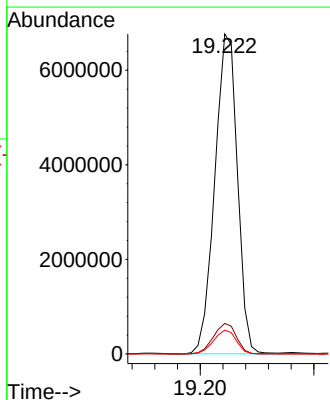
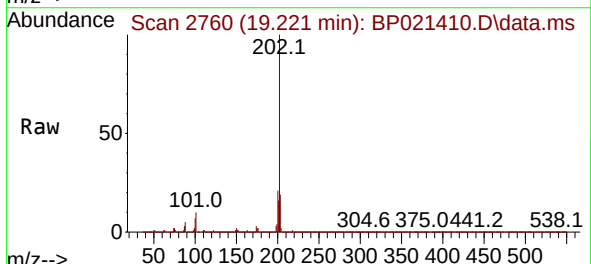
Manual Integrations
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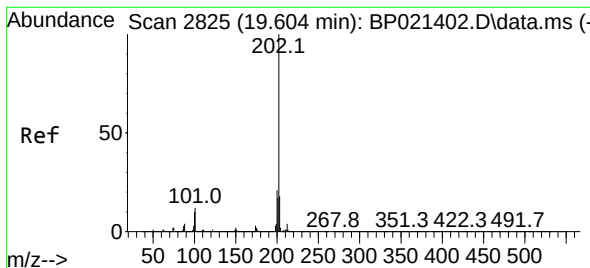
Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



#80
 Fluoranthene
 Concen: 102.938 ng/ul
 RT: 19.221 min Scan# 2760
 Delta R.T. -0.012 min
 Lab File: BP021410.D
 Acq: 07 Aug 2024 06:09

Tgt Ion:202 Resp: 9357961
 Ion Ratio Lower Upper
 202 100
 101 9.6 8.0 12.0
 100 7.5 6.1 9.1





#82

Pyrene

Concen: 55.370 ng/ul

RT: 19.604 min Scan# 2825

Delta R.T. -0.006 min

Lab File: BP021410.D

Acq: 07 Aug 2024 06:09

Instrument :

BNA_P

ClientSampleId :

F7E01DL

Tgt Ion:202 Resp: 5122109

Ion Ratio Lower Upper

202 100

101 11.2 9.4 14.2

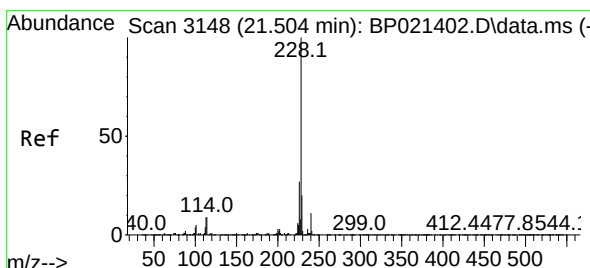
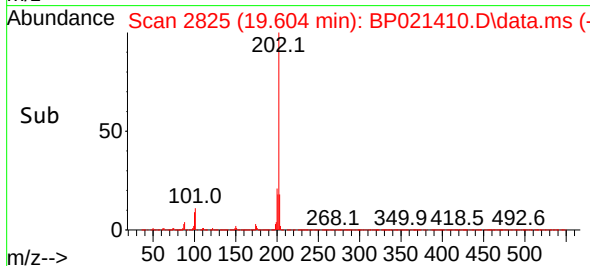
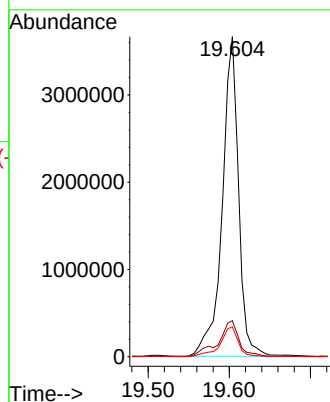
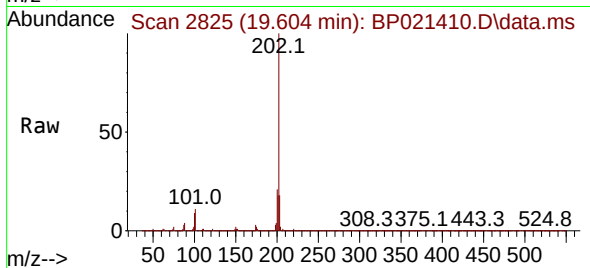
100 9.4 7.8 11.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#85

Benzo(a)anthracene

Concen: 31.069 ng/ul

RT: 21.504 min Scan# 3148

Delta R.T. -0.006 min

Lab File: BP021410.D

Acq: 07 Aug 2024 06:09

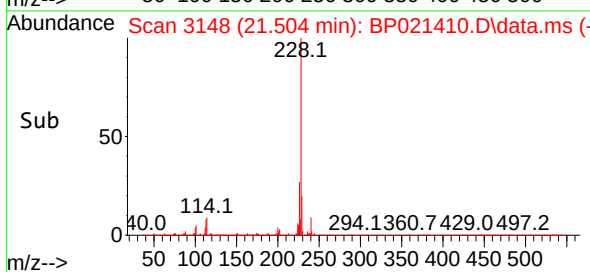
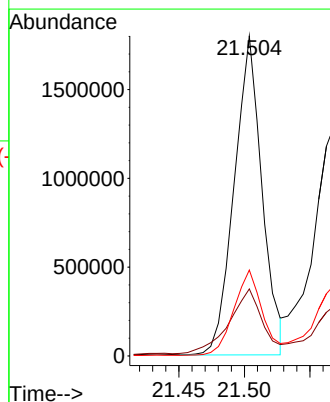
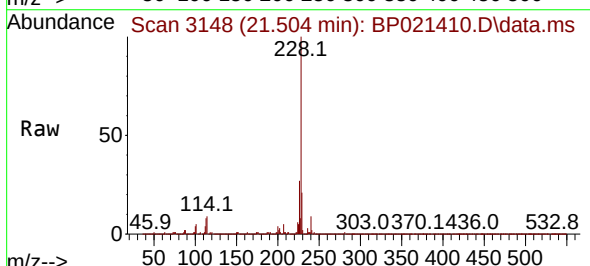
Tgt Ion:228 Resp: 2649960

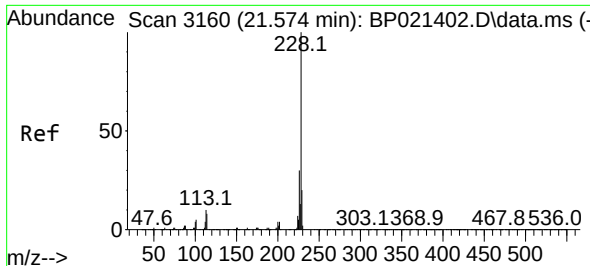
Ion Ratio Lower Upper

228 100

229 21.0 15.5 23.3

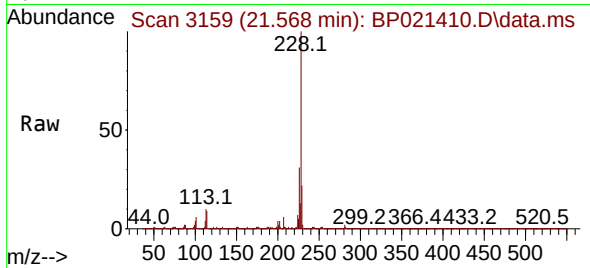
226 26.8 21.4 32.2





#87
Chrysene
Concen: 29.564 ng/u1
RT: 21.568 min Scan# 3160
Delta R.T. -0.017 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

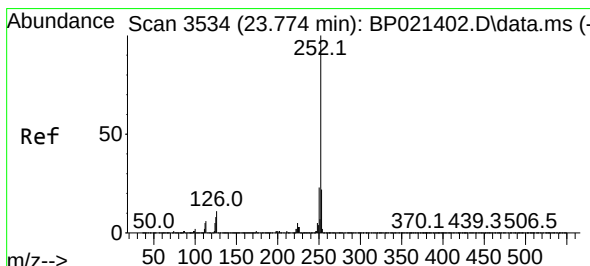
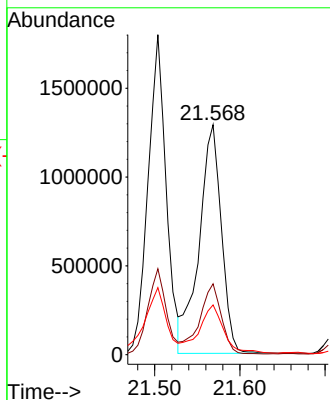
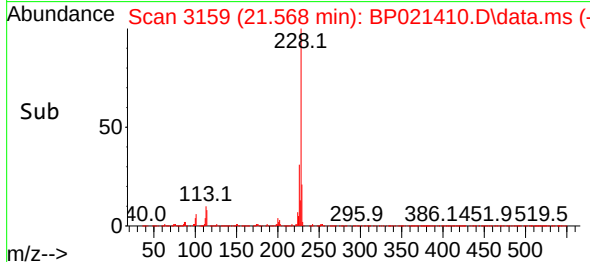
Instrument :
BNA_P
ClientSampleId :
F7E01DL



Tgt Ion:228 Resp: 234310
Ion Ratio Lower Upper
228 100
226 30.8 23.6 35.4
229 21.7 15.5 23.3

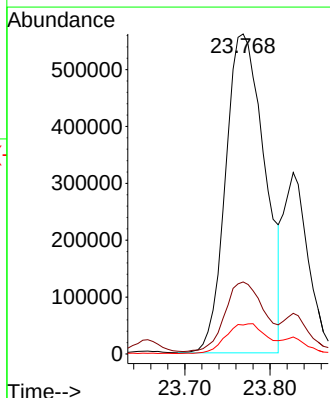
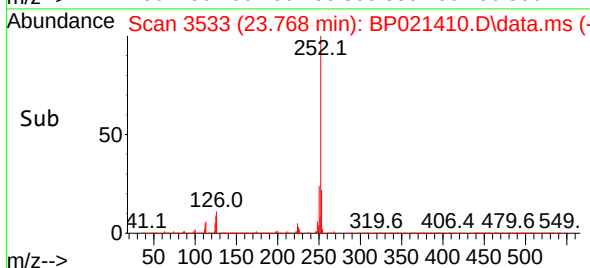
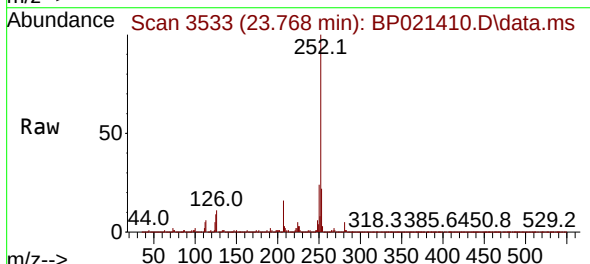
Manual Integrations
APPROVED

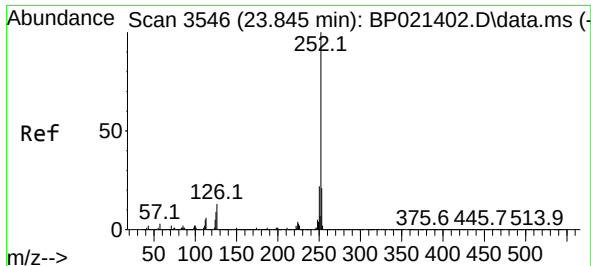
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#90
Benzo(b)fluoranthene
Concen: 19.942 ng/u1
RT: 23.768 min Scan# 3533
Delta R.T. -0.017 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

Tgt Ion:252 Resp: 1792200
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 9.1 7.0 10.4





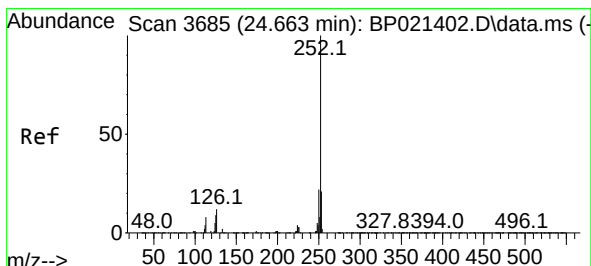
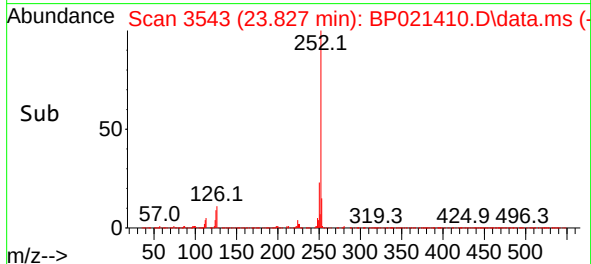
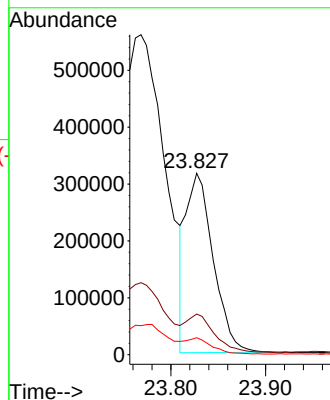
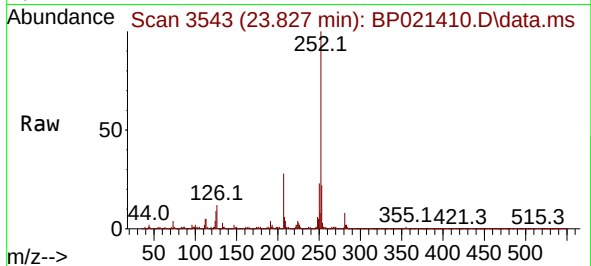
#91
Benzo(k)fluoranthene
Concen: 7.018 ng/u1
RT: 23.827 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

Instrument :
BNA_P
ClientSampleId :
F7E01DL

Tgt Ion:252 Resp: 629425
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 9.3 7.4 11.0

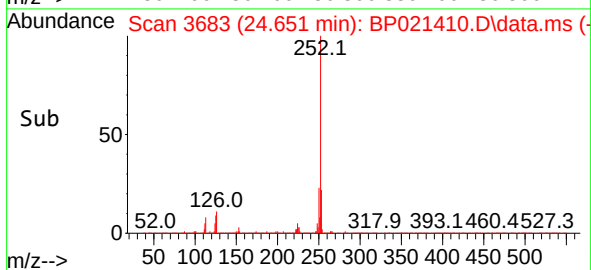
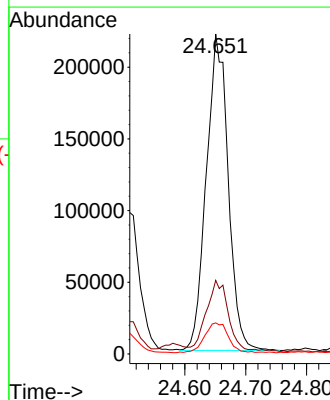
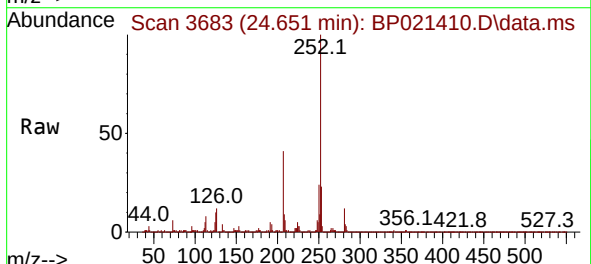
Manual Integrations
APPROVED

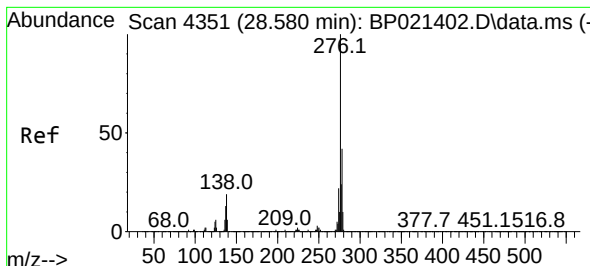
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#93
Benzo(a)pyrene
Concen: 6.469 ng/u1
RT: 24.651 min Scan# 3683
Delta R.T. -0.029 min
Lab File: BP021410.D
Acq: 07 Aug 2024 06:09

Tgt Ion:252 Resp: 549375
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.7 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.711 ng/ul m

RT: 28.586 min Scan# 4351

Delta R.T. -0.012 min

Lab File: BP021410.D

Acq: 07 Aug 2024 06:09

Instrument :

BNA_P

ClientSampleId :

F7E01DL

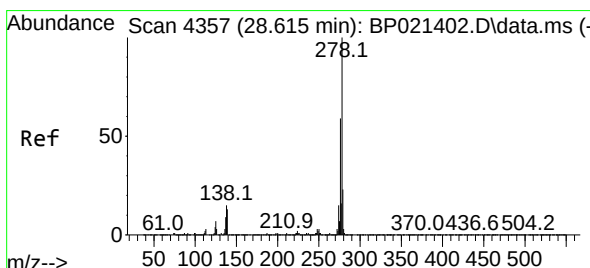
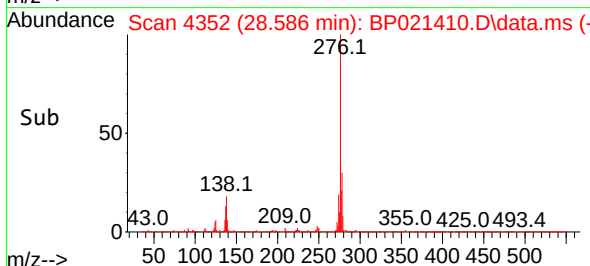
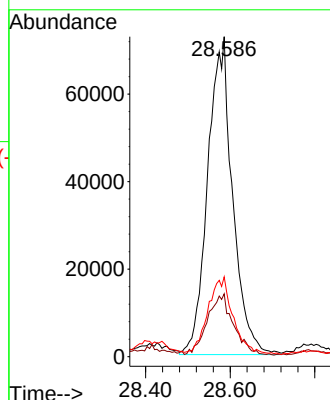
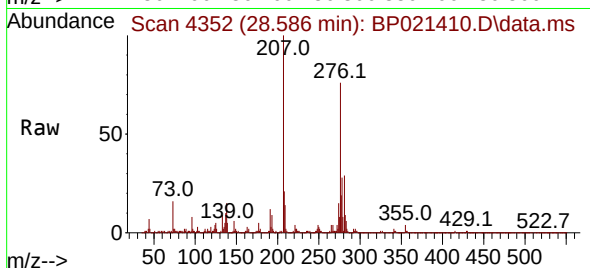
Tgt Ion:	276	Resp:	29664
Ion Ratio	Lower	Upper	
276	100		
138	19.7	14.3	21.5
277	25.0	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.410 ng/ul

RT: 28.586 min Scan# 4352

Delta R.T. -0.053 min

Lab File: BP021410.D

Acq: 07 Aug 2024 06:09

Tgt Ion:	278	Resp:	127745
Ion Ratio	Lower	Upper	
278	100		
139	19.1	10.9	16.3
279	29.0	19.4	29.0

