

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021446.D
 Acq On : 08 Aug 2024 11:51
 Operator : CG/JU
 Sample : P3437-15DL 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05Y5DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 09 00:28:57 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	141472	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.381	136	509624	20.000	ng/u1	#-0.01
38) Acenaphthene-d10	14.251	164	416420	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.069	188	923807	20.000	ng/u1	-0.02
79) Chrysene-d12	21.510	240	959574	20.000	ng/u1	-0.02
88) Perylene-d12	24.786	264	1115584	20.000	ng/u1	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.158	96	2253	0.725	ng/uL	-0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.052	99	26214m	2.273	ng/u1	0.21
9) Bis-(2-Chloroethyl)eth...	7.040	67	14762m	2.112	ng/u1	0.06
11) 2-Chlorophenol-d4	7.275	132	19431m	2.045	ng/u1	0.09
15) 4-Methylphenol-d8	8.475	113	16435m	1.716	ng/u1	0.11
21) Nitrobenzene-d5	8.875	128	8449m	2.134	ng/u1	0.08
24) 2-Nitrophenol-d4	9.563	143	8134m	1.795	ng/u1	0.06
28) 2,4-Dichlorophenol-d3	10.175	165	15620m	1.907	ng/u1	0.12
31) 4-Chloroaniline-d4	10.640	131	25061m	2.309	ng/u1	0.08
46) Dimethylphthalate-d6	13.687	166	73889	2.441	ng/u1	0.00
49) Acenaphthylene-d8	13.951	160	72188	2.124	ng/u1	-0.01
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.275	176	66503	2.678	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.533	200	4617m	0.826	ng/u1	0.07
73) Anthracene-d10	17.180	188	105275	2.566	ng/u1	-0.01
81) Pyrene-d10	19.557	212	143533	2.419	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.551	264	148204	2.694	ng/u1	-0.05
Target Compounds					Qvalue	
30) Naphthalene	10.434	128	872843	32.561	ng/u1	99
36) 2-Methylnaphthalene	12.051	142	453729	24.658	ng/u1	99
37) 1-Methylnaphthalene	12.275	142	233731	12.350	ng/u1	99
43) 1,1'-Biphenyl	13.081	154	153641	5.049	ng/u1	98
52) Acenaphthene	14.316	153	897303	35.128	ng/u1	98
56) Dibenzofuran	14.669	168	933255	26.680	ng/u1	100
61) Fluorene	15.333	166	1045384	36.624	ng/u1	100
72) Phenanthrene	17.116	178	6351358	132.531	ng/u1	98
74) Anthracene	17.222	178	1082054	22.148	ng/u1	97
77) Carbazole	17.516	167	304526	7.625	ng/u1	100
80) Fluoranthene	19.216	202	6078087	84.838	ng/u1	99
82) Pyrene	19.586	202	4707351	64.569	ng/u1	98
85) Benzo(a)anthracene	21.486	228	2119633	31.533	ng/u1	98
87) Chrysene	21.557	228	1420520	22.743	ng/u1	98
90) Benzo(b)fluoranthene	23.751	252	2174144	32.115	ng/u1	98
91) Benzo(k)fluoranthene	23.815	252	758731m	11.230	ng/u1	
93) Benzo(a)pyrene	24.627	252	1682356	26.297	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.533	276	1035146m	12.557	ng/u1	
95) Dibenzo(a,h)anthracene	28.568	278	231662m	3.394	ng/u1	
96) Benzo(g,h,i)perylene	29.680	276	907835m	13.522	ng/u1	

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

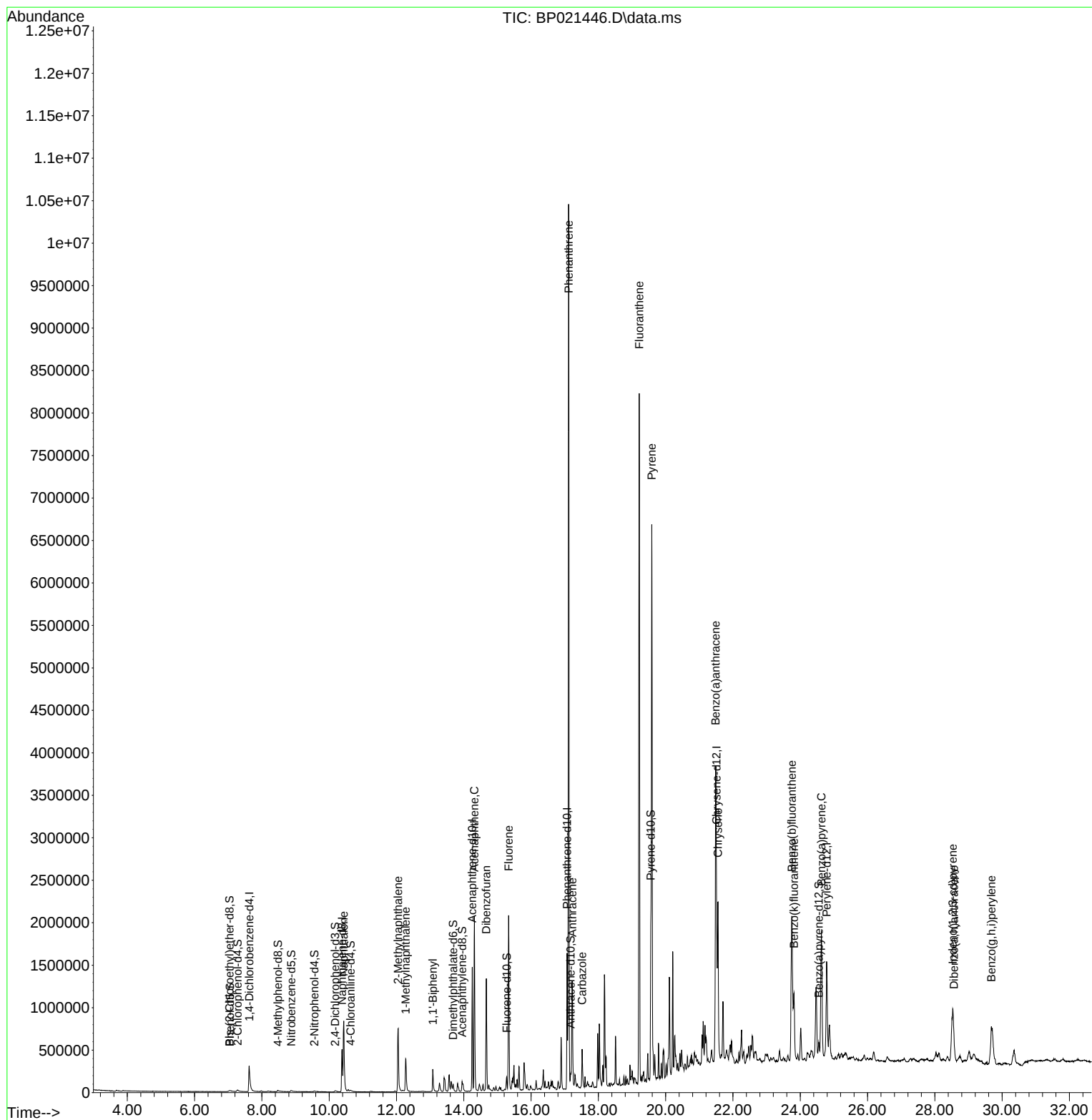
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021446.D
Acq On : 08 Aug 2024 11:51
Operator : CG/JU
Sample : P3437-15DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

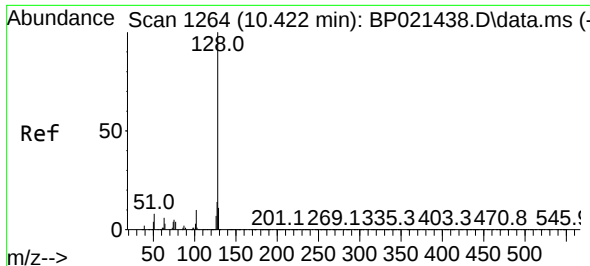
Instrument :
BNA_P
ClientSampleId :
E05Y5DL

Quant Time: Aug 09 00:28:57 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
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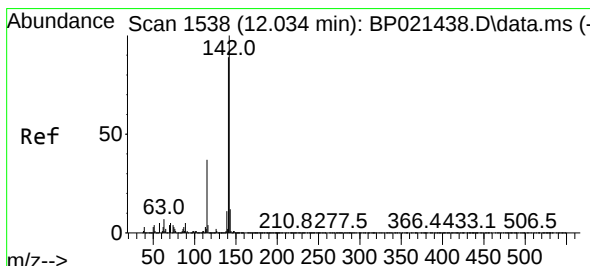
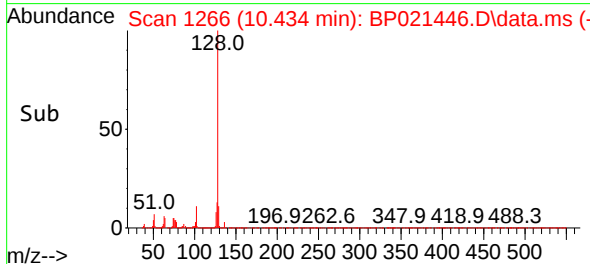
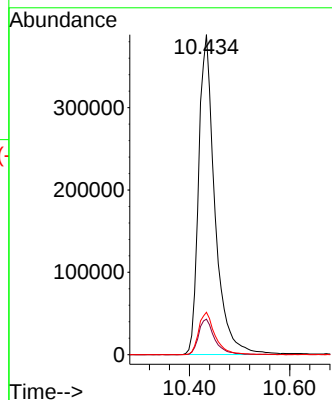
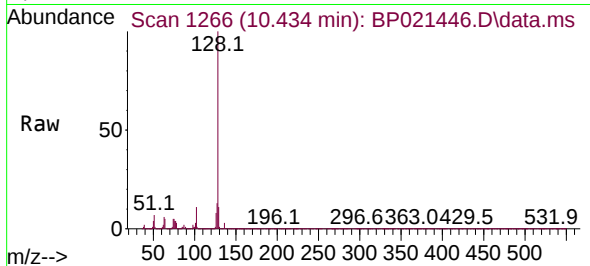
#30
Naphthalene
Concen: 32.561 ng/ul
RT: 10.434 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

Instrument :
BNA_P
ClientSampleId :
E05Y5DL

Tgt Ion:128 Resp: 87284
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.3 10.8 16.2

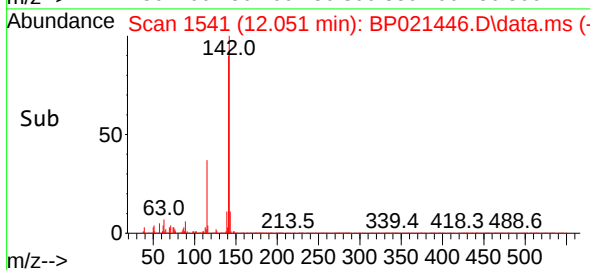
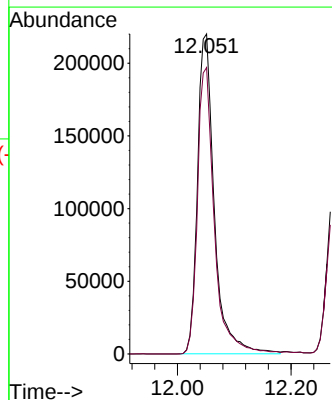
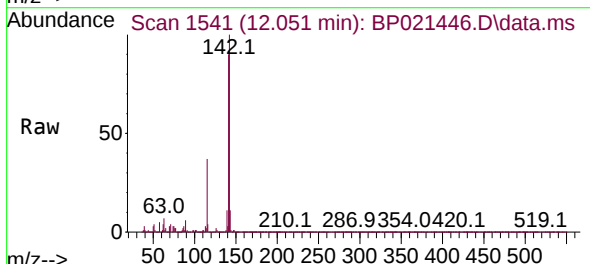
Manual Integrations
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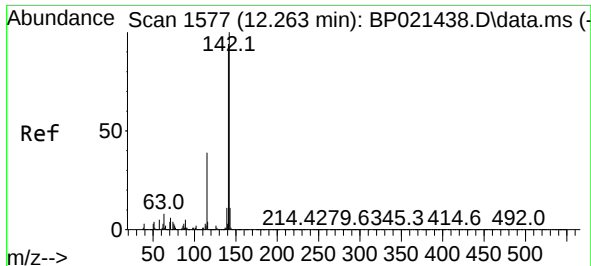
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#36
2-Methylnaphthalene
Concen: 24.658 ng/ul
RT: 12.051 min Scan# 1541
Delta R.T. -0.017 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

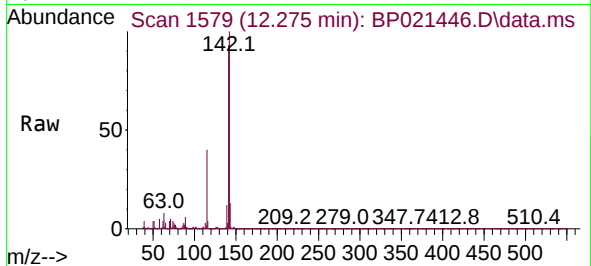
Tgt Ion:142 Resp: 453729
Ion Ratio Lower Upper
142 100
141 89.5 72.6 108.8





#37
1-Methylnaphthalene
Concen: 12.350 ng/ul
RT: 12.275 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

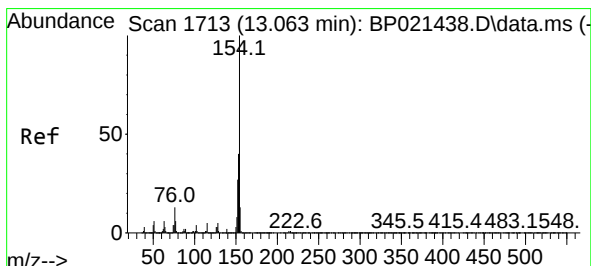
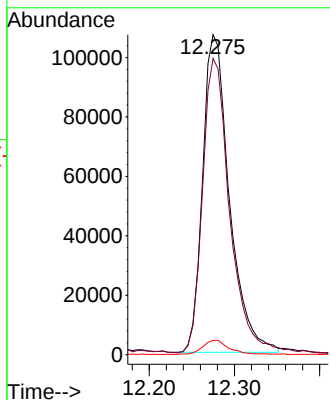
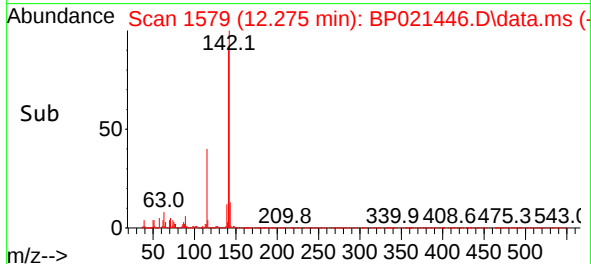
Instrument :
BNA_P
ClientSampleId :
E05Y5DL



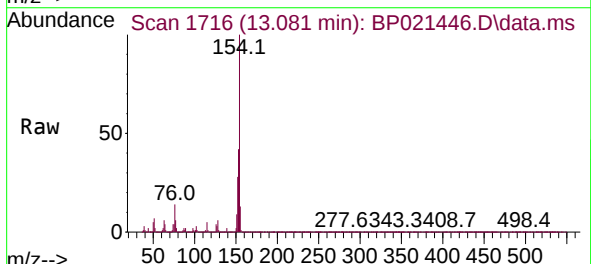
Tgt Ion:142 Resp: 23373
Ion Ratio Lower Upper
142 100
141 92.5 75.0 112.6
116 4.5 3.2 4.8

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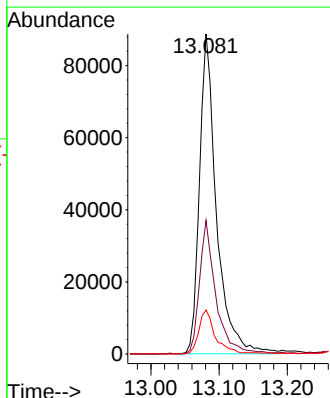
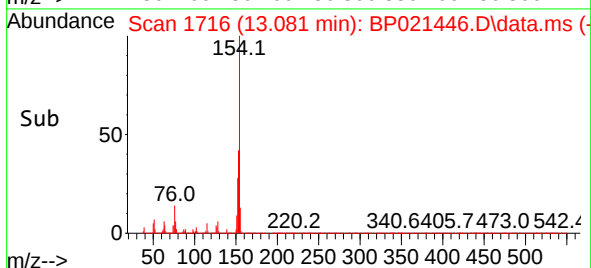
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

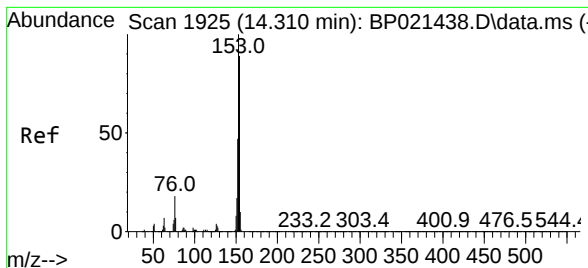


#43
1,1'-Biphenyl
Concen: 5.049 ng/ul
RT: 13.081 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51



Tgt Ion:154 Resp: 153641
Ion Ratio Lower Upper
154 100
153 41.8 32.7 49.1
76 13.7 9.4 14.2





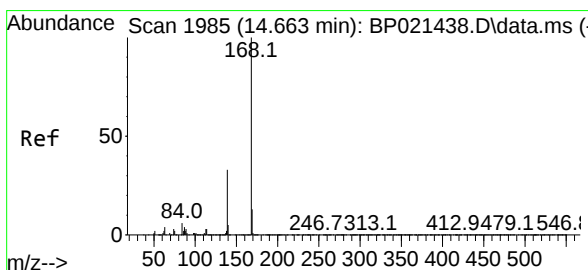
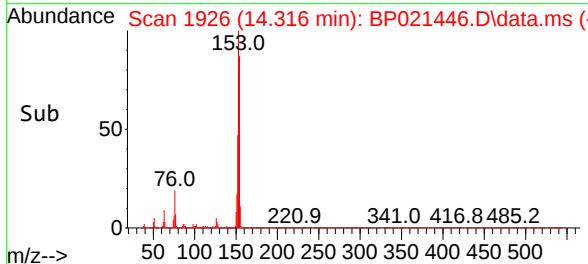
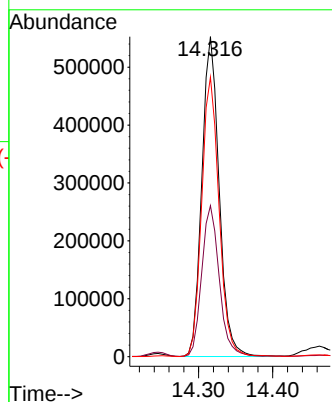
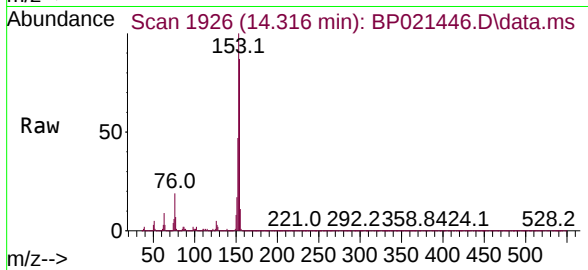
#52
Acenaphthene
Concen: 35.128 ng/ul
RT: 14.316 min Scan# 1925
Delta R.T. -0.023 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

Instrument :
BNA_P
ClientSampleId :
E05Y5DL

Tgt Ion:153 Resp: 897300
Ion Ratio Lower Upper
153 100
152 47.2 37.8 56.6
154 87.4 71.8 107.6

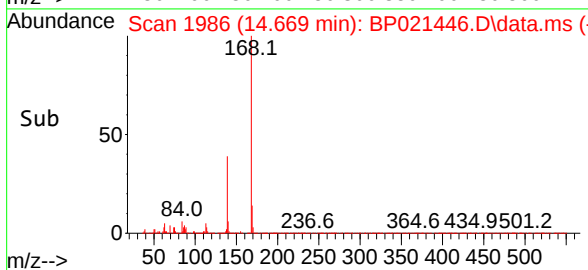
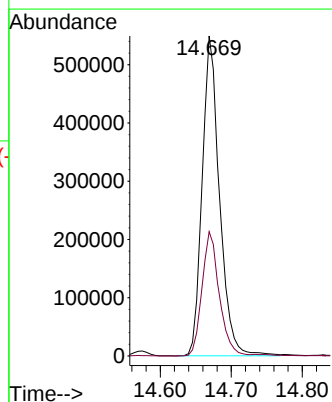
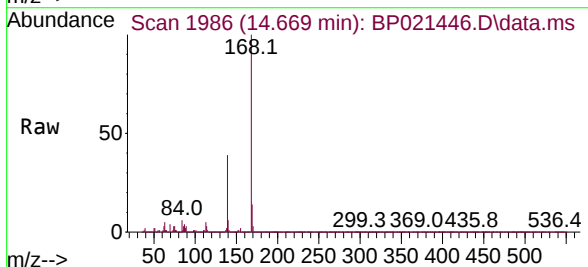
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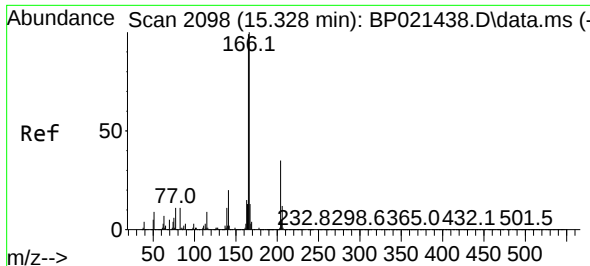
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#56
Dibenzofuran
Concen: 26.680 ng/ul
RT: 14.669 min Scan# 1986
Delta R.T. -0.017 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

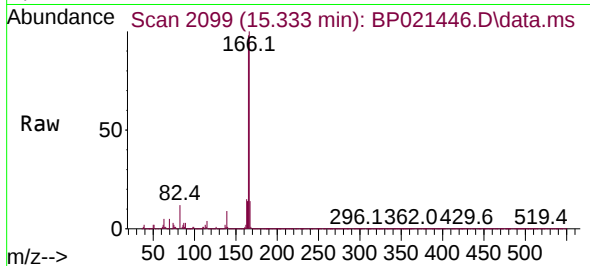
Tgt Ion:168 Resp: 933255
Ion Ratio Lower Upper
168 100
139 38.9 31.1 46.7





#61
Fluorene
Concen: 36.624 ng/ul
RT: 15.333 min Scan# 2099
Delta R.T. -0.011 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

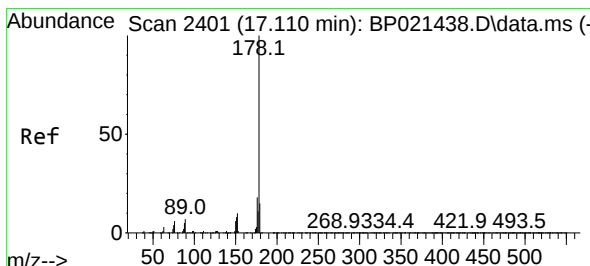
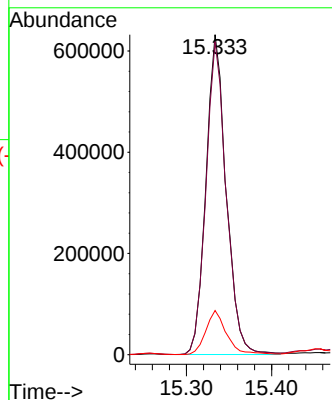
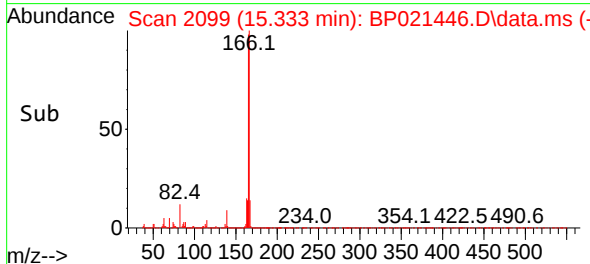
Instrument :
BNA_P
Client SampleId :
E05Y5DL



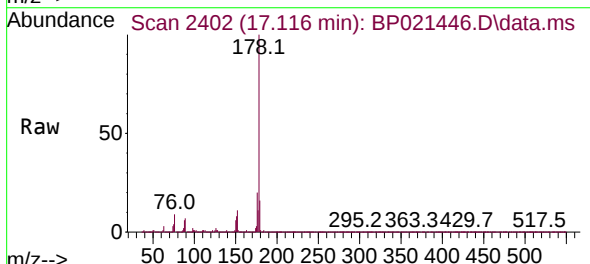
Tgt Ion:166 Resp: 1045384
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.8 10.9 16.3

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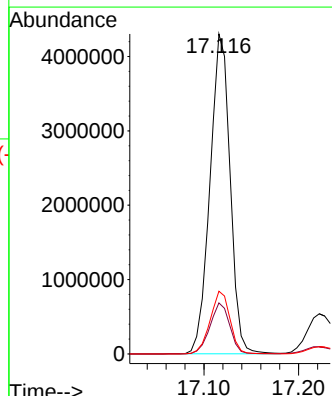
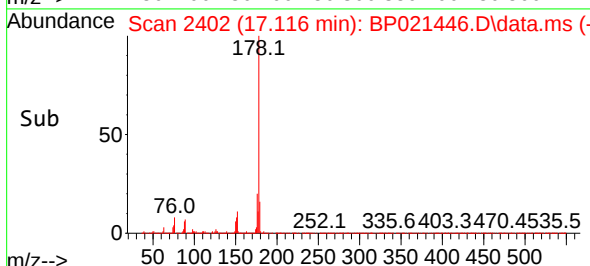
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

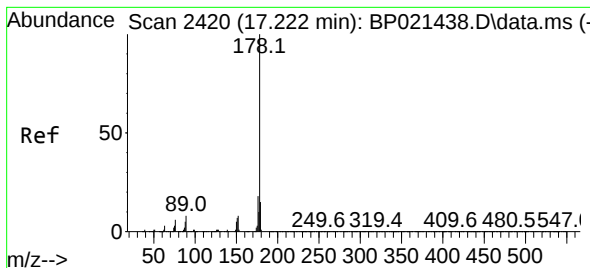


#72
Phenanthrene
Concen: 132.531 ng/ul
RT: 17.116 min Scan# 2402
Delta R.T. -0.017 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51



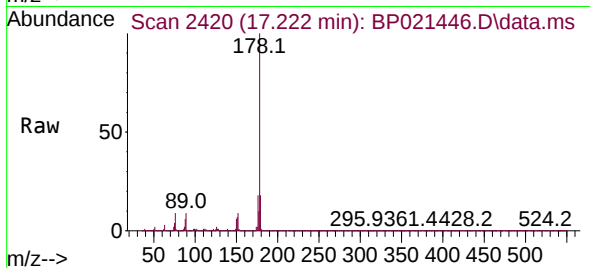
Tgt Ion:178 Resp: 6351358
Ion Ratio Lower Upper
178 100
179 16.0 12.2 18.4
176 19.6 15.0 22.4





#74
 Anthracene
 Concen: 22.148 ng/ul
 RT: 17.222 min Scan# 2420
 Delta R.T. -0.012 min
 Lab File: BP021446.D
 Acq: 08 Aug 2024 11:51

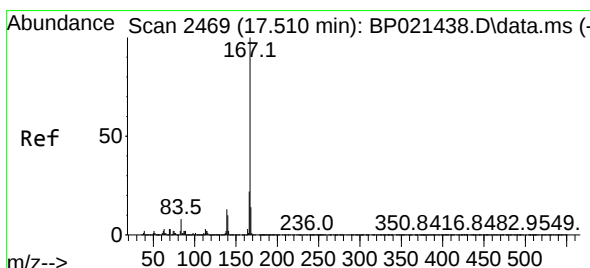
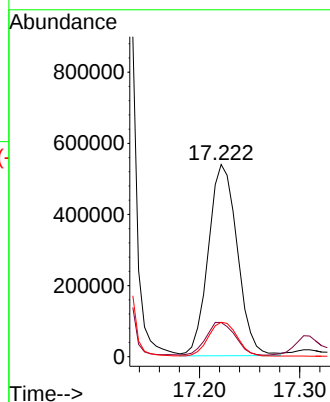
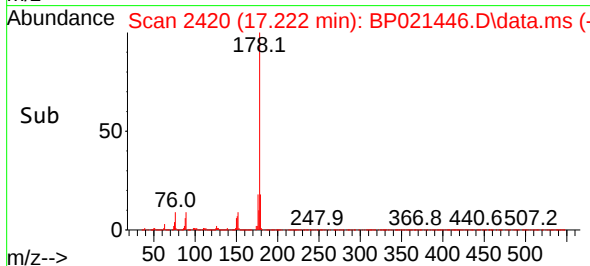
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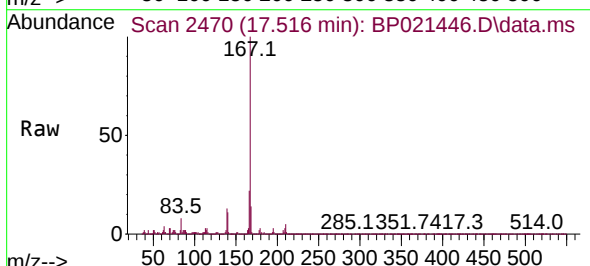
Tgt Ion:178 Resp: 1082054
 Ion Ratio Lower Upper
 178 100
 179 17.8 12.5 18.7
 176 17.9 14.8 22.2

Manual Integrations
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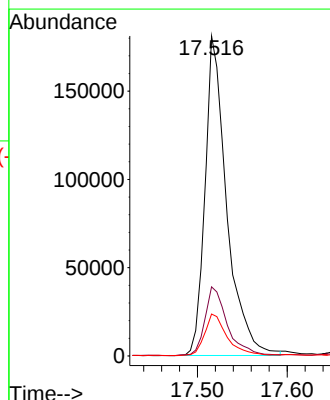
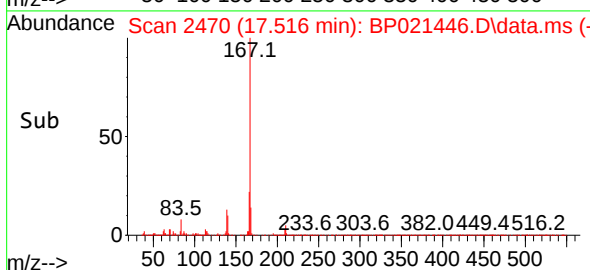
Reviewed By :Yogesh Patel 08/09/2024
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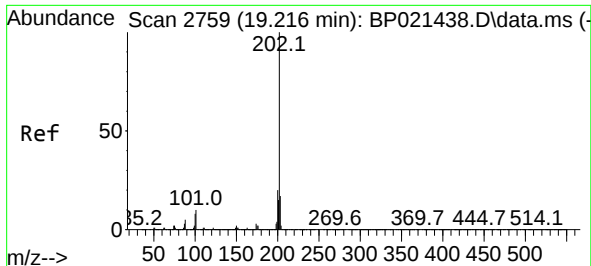


#77
 Carbazole
 Concen: 7.625 ng/ul
 RT: 17.516 min Scan# 2470
 Delta R.T. -0.006 min
 Lab File: BP021446.D
 Acq: 08 Aug 2024 11:51



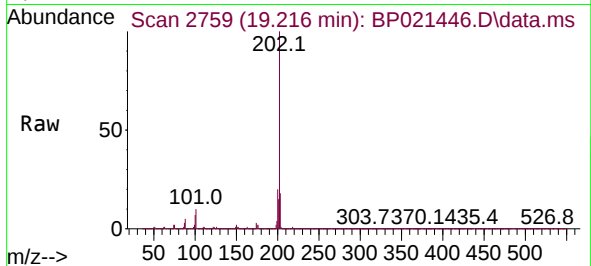
Tgt Ion:167 Resp: 304526
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.3 25.9
 139 13.1 10.2 15.2





#80
Fluoranthene
Concen: 84.838 ng/u1
RT: 19.216 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

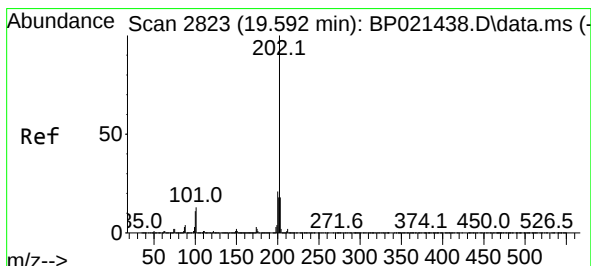
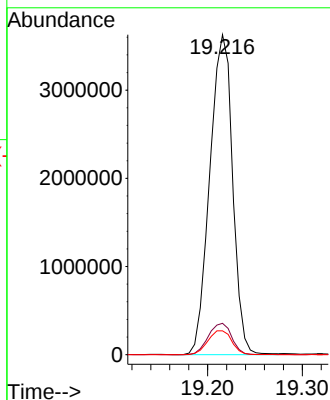
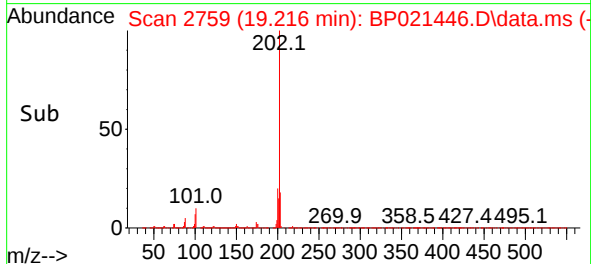
Instrument :
BNA_P
ClientSampleId :
E05Y5DL



Tgt Ion:202 Resp: 607808
Ion Ratio Lower Upper
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101 9.8 8.0 12.0
100 7.4 6.1 9.1

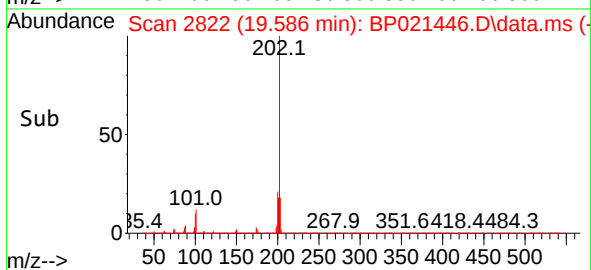
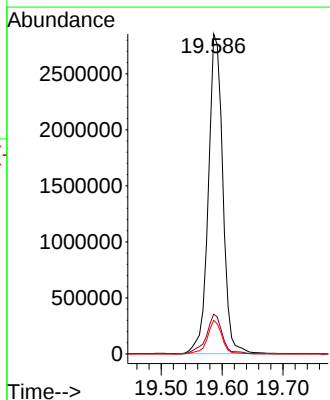
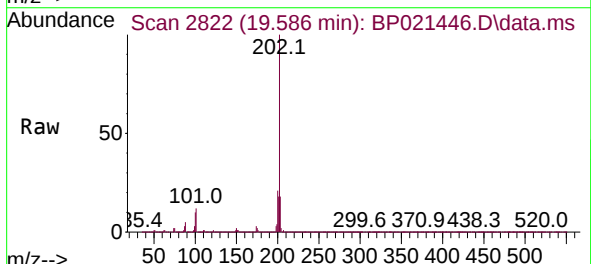
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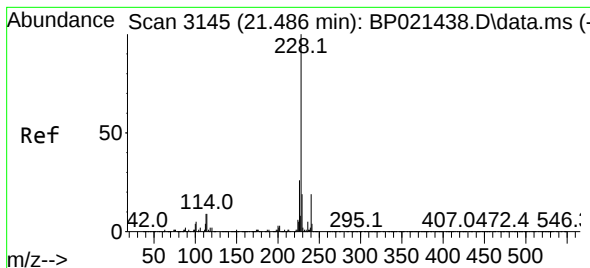
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#82
Pyrene
Concen: 64.569 ng/u1
RT: 19.586 min Scan# 2822
Delta R.T. -0.023 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

Tgt Ion:202 Resp: 4707351
Ion Ratio Lower Upper
202 100
101 12.4 9.4 14.2
100 10.5 7.8 11.6





#85

Benzo(a)anthracene

Concen: 31.533 ng/u1

RT: 21.486 min Scan# 3145

Delta R.T. -0.023 min

Lab File: BP021446.D

Acq: 08 Aug 2024 11:51

Instrument :

BNA_P

ClientSampleId :

E05Y5DL

Tgt Ion:228 Resp: 211963

Ion Ratio Lower Upper

228 100

229 21.8 15.5 23.3

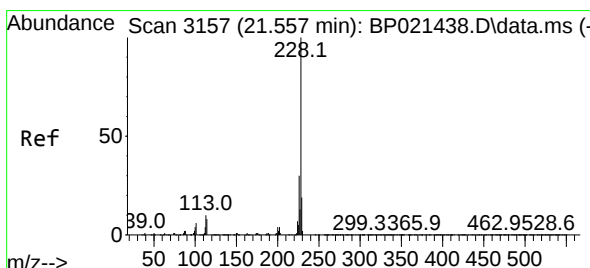
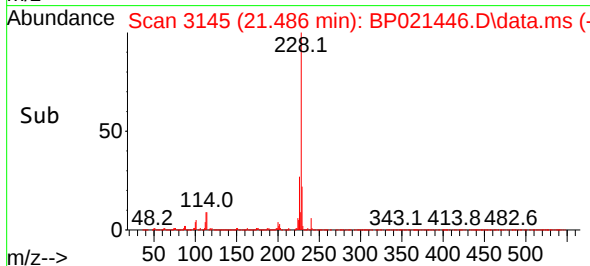
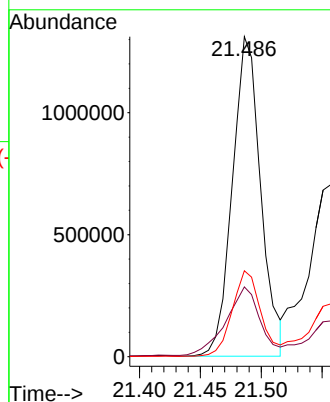
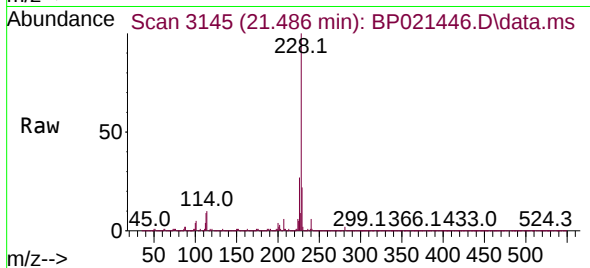
226 26.9 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#87

Chrysene

Concen: 22.743 ng/u1

RT: 21.557 min Scan# 3157

Delta R.T. -0.029 min

Lab File: BP021446.D

Acq: 08 Aug 2024 11:51

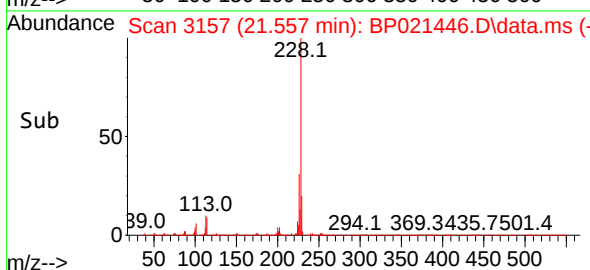
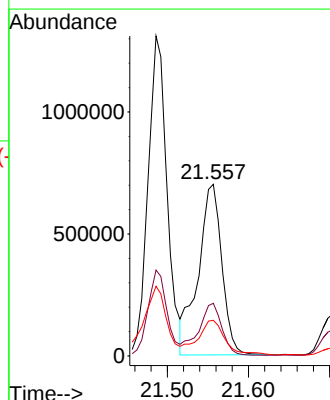
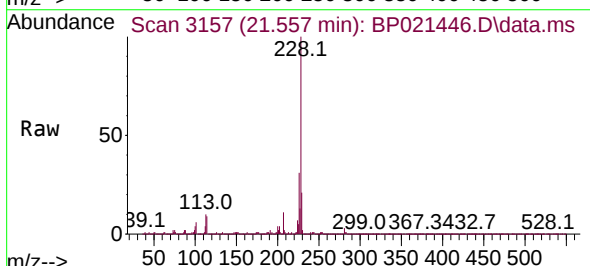
Tgt Ion:228 Resp: 1420520

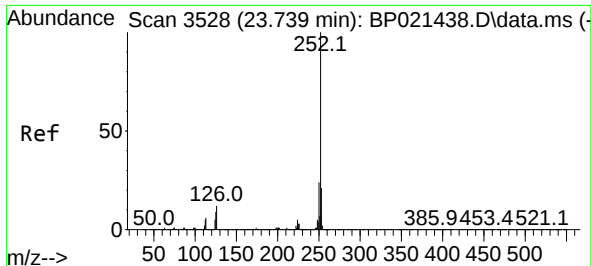
Ion Ratio Lower Upper

228 100

226 30.7 23.6 35.4

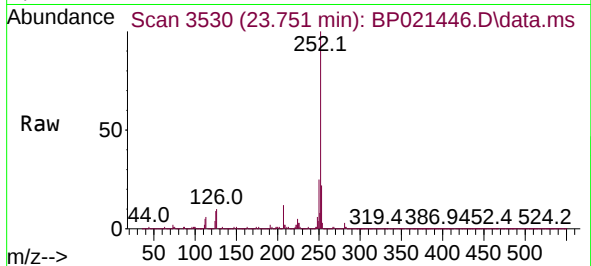
229 20.8 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 32.115 ng/ul
RT: 23.751 min Scan# 3530
Delta R.T. -0.035 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

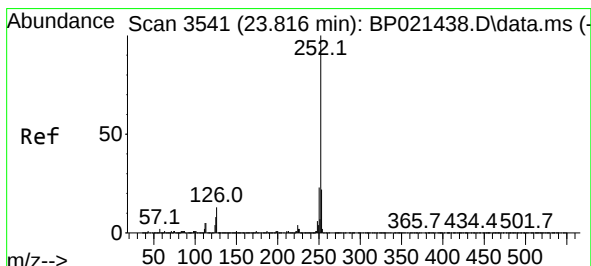
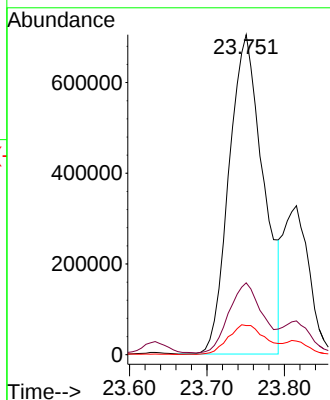
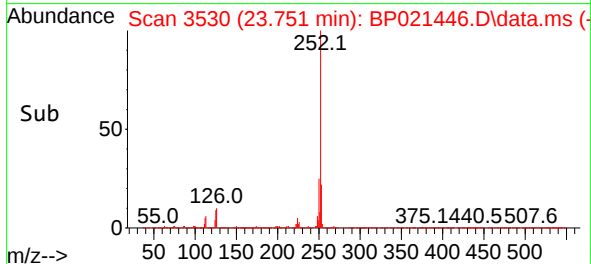
Instrument :
BNA_P
ClientSampleId :
E05Y5DL



Tgt Ion:252 Resp: 217414
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 9.1 7.0 10.4

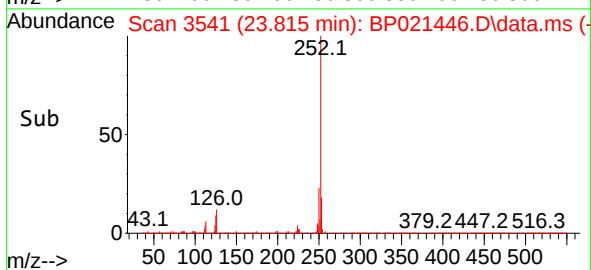
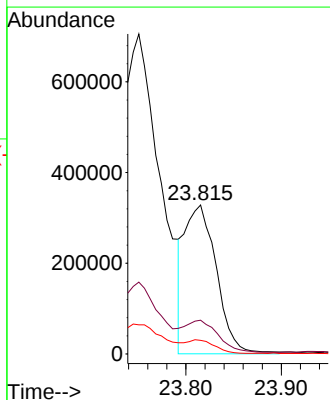
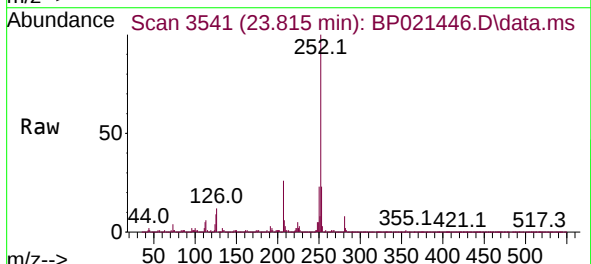
Manual Integrations
APPROVED

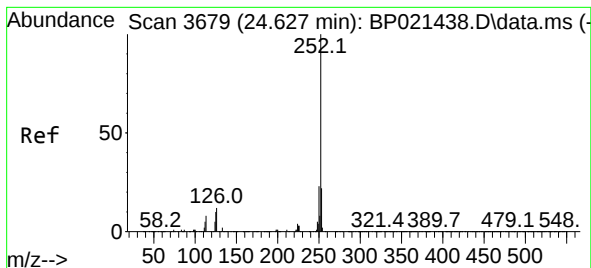
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#91
Benzo(k)fluoranthene
Concen: 11.230 ng/ul m
RT: 23.815 min Scan# 3541
Delta R.T. -0.035 min
Lab File: BP021446.D
Acq: 08 Aug 2024 11:51

Tgt Ion:252 Resp: 758731
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 9.2 7.4 11.0





#93

Benzo(a)pyrene

Concen: 26.297 ng/ul

RT: 24.627 min Scan# 30

Delta R.T. -0.053 min

Lab File: BP021446.D

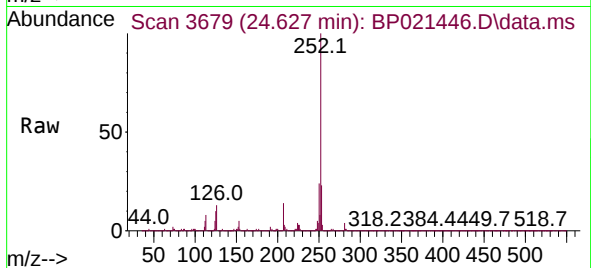
Acq: 08 Aug 2024 11:51

Instrument :

BNA_P

ClientSampleId :

E05Y5DL



Tgt Ion:252 Resp: 168235

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

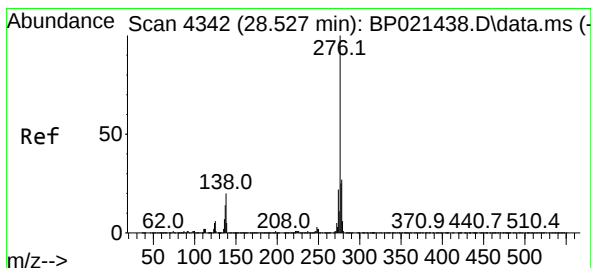
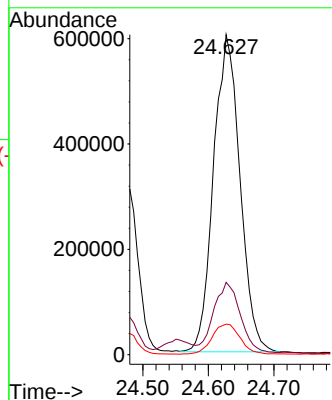
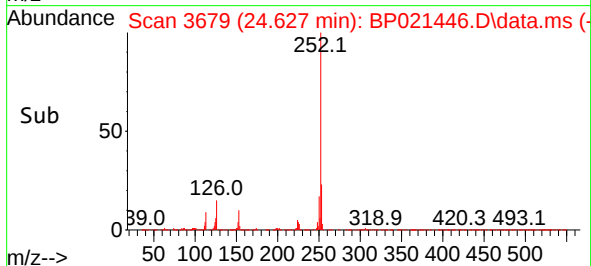
125 9.6 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 12.557 ng/ul m

RT: 28.533 min Scan# 4343

Delta R.T. -0.064 min

Lab File: BP021446.D

Acq: 08 Aug 2024 11:51

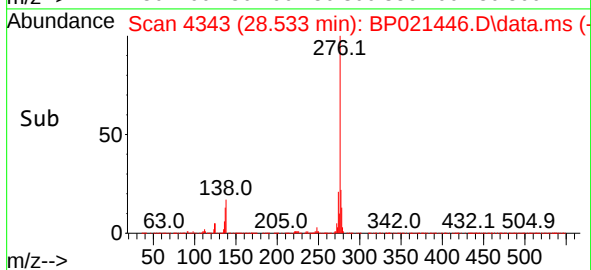
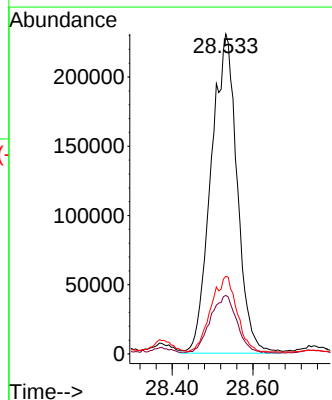
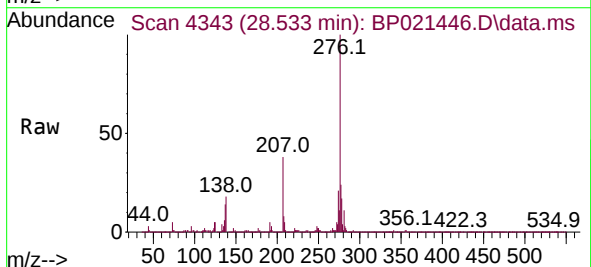
Tgt Ion:276 Resp: 1035146

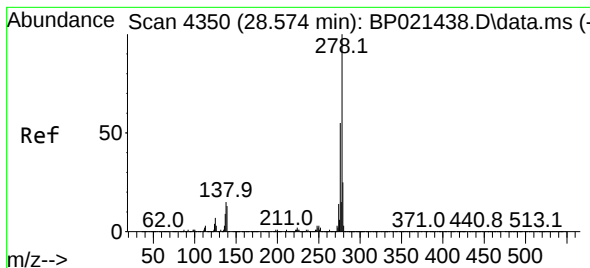
Ion Ratio Lower Upper

276 100

138 18.3 14.3 21.5

277 24.2 19.2 28.8





#95

Dibenzo(a,h)anthracene

Concen: 3.394 ng/ul m

RT: 28.568 min Scan# 4

Delta R.T. -0.070 min

Lab File: BP021446.D

Acq: 08 Aug 2024 11:51

Instrument :

BNA_P

ClientSampleId :

E05Y5DL

Tgt Ion:278 Resp: 231662

Ion Ratio Lower Upper

278 100

139 14.8 10.9 16.3

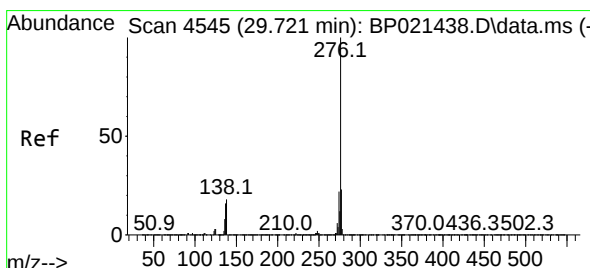
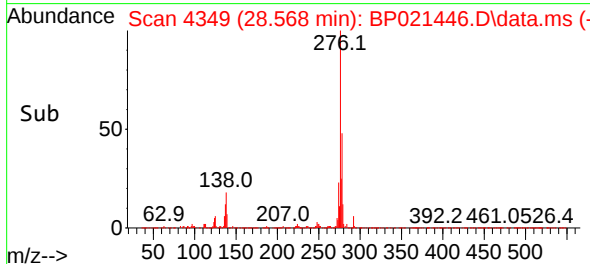
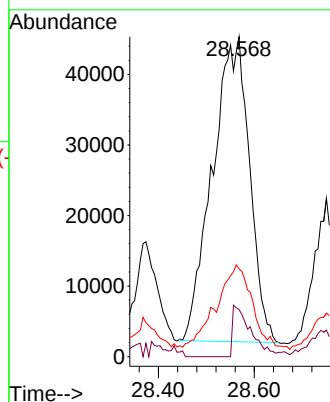
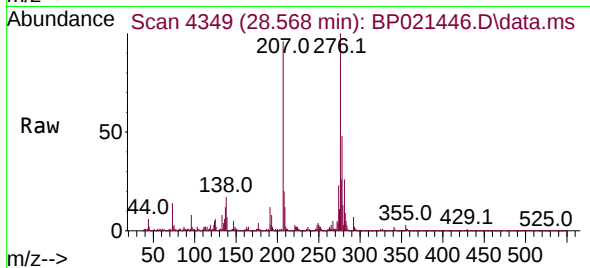
279 27.4 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#96

Benzo(g,h,i)perylene

Concen: 13.522 ng/ul m

RT: 29.680 min Scan# 4538

Delta R.T. -0.082 min

Lab File: BP021446.D

Acq: 08 Aug 2024 11:51

Tgt Ion:276 Resp: 907835

Ion Ratio Lower Upper

276 100

138 17.4 15.3 22.9

277 23.6 18.2 27.2

