

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021428.D
 Acq On : 07 Aug 2024 21:04
 Operator : CG/JU
 Sample : P3437-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05Y4

Manual Integrations
 APPROVED

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

Quant Time: Aug 07 23:24:28 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	7.604	152	115413	20.000	ng/u1	-0.03
20) Naphthalene-d8	10.375	136	486238	20.000	ng/u1	#-0.02
38) Acenaphthene-d10	14.245	164	344647	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.069	188	802580	20.000	ng/u1	-0.02
79) Chrysene-d12	21.515	240	842991	20.000	ng/u1	#-0.02
88) Perylene-d12	24.792	264	1019256	20.000	ng/u1	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	10530	4.152	ng/uL	-0.02
4) Pyridine-d5	3.593	84	43311	5.899	ng/u1	0.00
7) Phenol-d5	6.869	99	59832	6.359	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	6.969	67	89885	15.763	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.175	132	146443	18.890	ng/u1	0.00
15) 4-Methylphenol-d8	8.369	113	115722	14.808	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	67861	17.968	ng/u1	0.00
24) 2-Nitrophenol-d4	9.498	143	83501	19.317	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.063	165	163293m	20.891	ng/u1	0.01
31) 4-Chloroaniline-d4	10.557	131	196632	18.989	ng/u1	0.00
46) Dimethylphthalate-d6	13.663	166	553012	22.073	ng/u1	-0.02
49) Acenaphthylene-d8	13.934	160	589237	20.945	ng/u1	-0.03
54) 4-Nitrophenol-d4	14.639	143	32641m	9.157	ng/u1	0.05
60) Fluorene-d10	15.263	176	491548	23.915	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.469	200	66268	13.647	ng/u1	0.00
73) Anthracene-d10	17.169	188	853927	23.955	ng/u1	-0.02
81) Pyrene-d10	19.557	212	1081257	20.747	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.574	264	1284128	25.545	ng/u1	-0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.422	128	4536543	177.372	ng/u1	100
36) 2-Methylnaphthalene	12.034	142	1667467	94.976	ng/u1	99
37) 1-Methylnaphthalene	12.263	142	798903	44.244	ng/u1	99
43) 1,1'-Biphenyl	13.063	154	628097	24.937	ng/u1	99
50) Acenaphthylene	13.969	152	82402	2.587	ng/u1#	93
52) Acenaphthene	14.310	153	2804264	132.647	ng/u1	99
56) Dibenzofuran	14.657	168	3180695	109.868	ng/u1	96
61) Fluorene	15.322	166	3059348	129.500	ng/u1	100
72) Phenanthrene	17.122	178	14843042	356.507	ng/u1	96
74) Anthracene	17.210	178	2496692	58.822	ng/u1	99
77) Carbazole	17.504	167	1376521	39.672	ng/u1	99
80) Fluoranthene	19.221	202	11915830	189.323	ng/u1	97
82) Pyrene	19.598	202	9343047	145.879	ng/u1	97
85) Benzo(a)anthracene	21.498	228	4199646	71.118	ng/u1	99
87) Chrysene	21.563	228	2845873	51.864	ng/u1	96
90) Benzo(b)fluoranthene	23.762	252	4271319	69.055	ng/u1	97
91) Benzo(k)fluoranthene	23.815	252	1694004m	27.443	ng/u1	
93) Benzo(a)pyrene	24.651	252	3463554	59.256	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.539	276	2164898	28.743	ng/u1#	96
95) Dibenzo(a,h)anthracene	28.550	278	514773	8.253	ng/u1#	82
96) Benzo(g,h,i)perylene	29.721	276	2009463	32.759	ng/u1#	94

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

Instrument :
BNA_P
ClientSampleId :
E05Y4

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

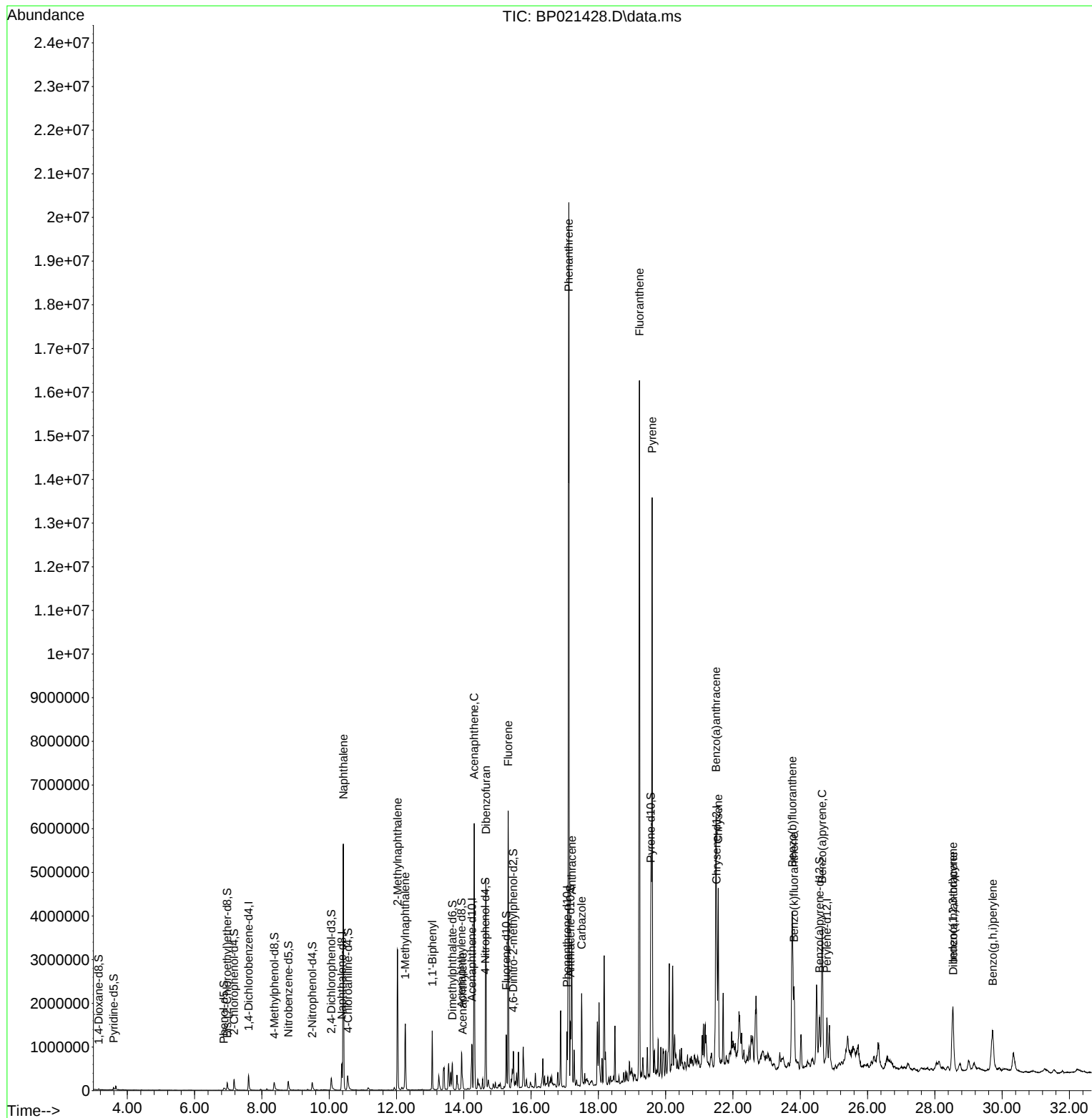
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021428.D
Acq On : 07 Aug 2024 21:04
Operator : CG/JU
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ALS Vial : 19 Sample Multiplier: 1

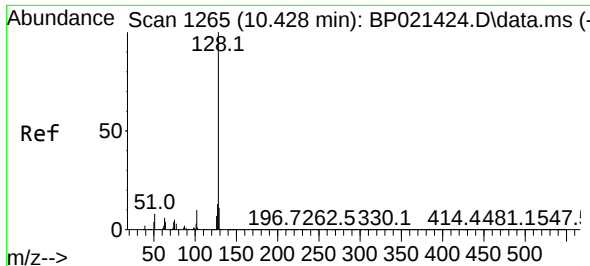
Instrument :
BNA_P
ClientSampleId :
E05Y4

Quant Time: Aug 07 23:24:28 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

Manual Integrations
APPROVED

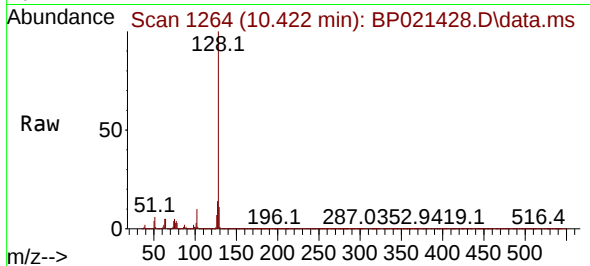
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024





#30
Naphthalene
Concen: 177.372 ng/ul
RT: 10.422 min Scan# 1538
Delta R.T. -0.017 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04

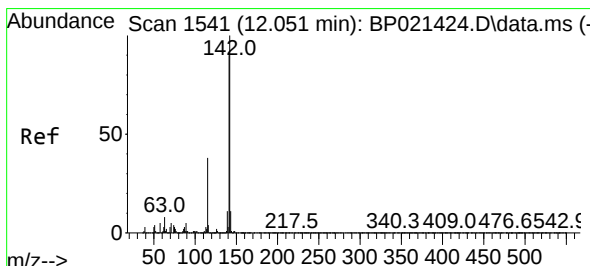
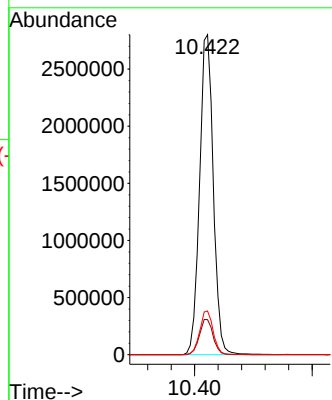
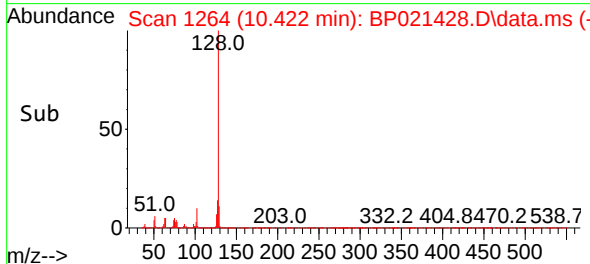
Instrument :
BNA_P
ClientSampleId :
E05Y4



Tgt Ion:128 Resp: 453654
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.7 10.8 16.2

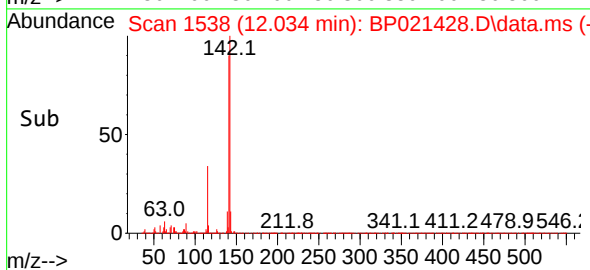
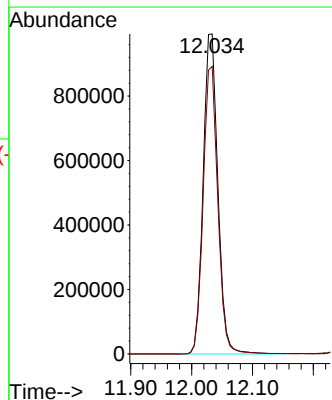
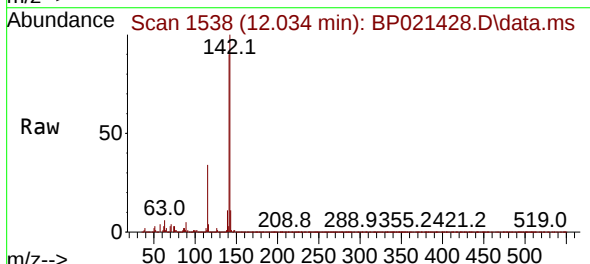
Manual Integrations
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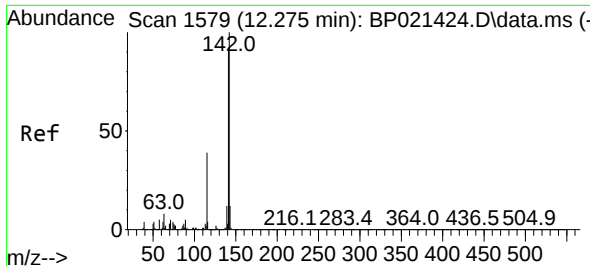
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#36
2-Methylnaphthalene
Concen: 94.976 ng/ul
RT: 12.034 min Scan# 1538
Delta R.T. -0.035 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04

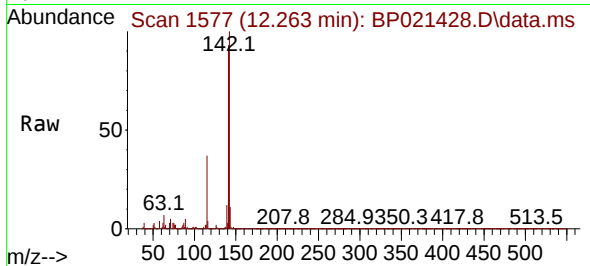
Tgt Ion:142 Resp: 1667467
Ion Ratio Lower Upper
142 100
141 89.9 72.6 108.8





#37
1-Methylnaphthalene
Concen: 44.244 ng/ul
RT: 12.263 min Scan# 1579
Delta R.T. -0.029 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04

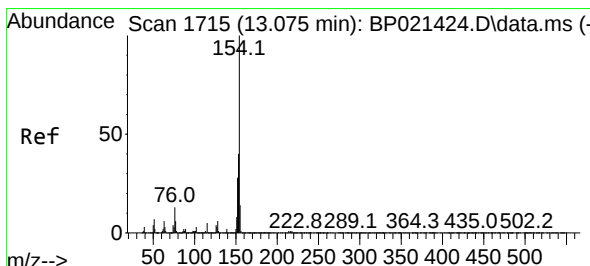
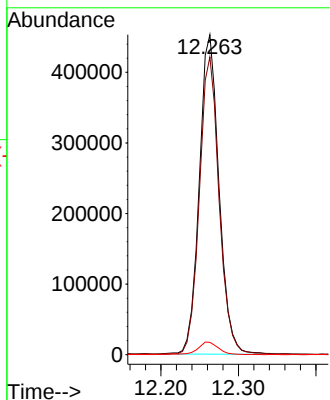
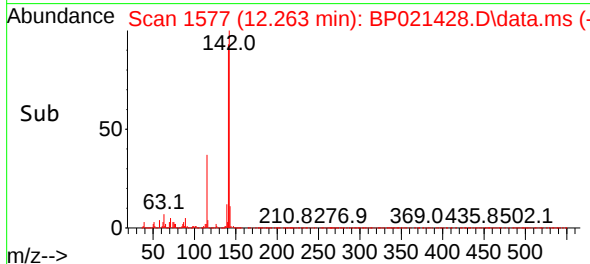
Instrument :
BNA_P
ClientSampleId :
E05Y4



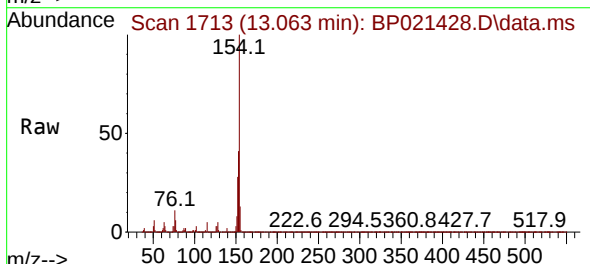
Tgt Ion:142 Resp: 79890
Ion Ratio Lower Upper
142 100
141 93.1 75.0 112.6
116 3.9 3.2 4.8

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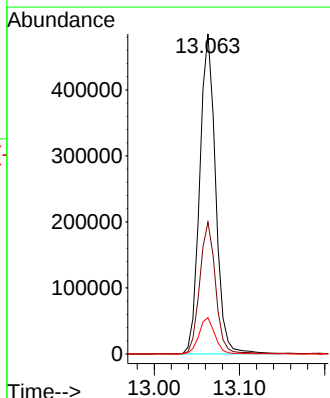
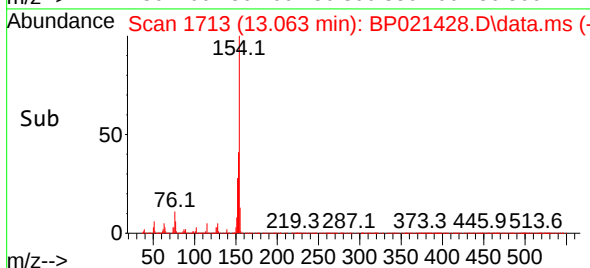
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024

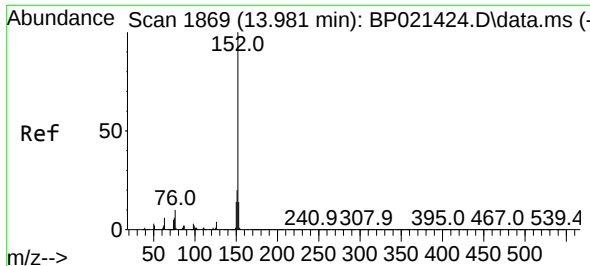


#43
1,1'-Biphenyl
Concen: 24.937 ng/ul
RT: 13.063 min Scan# 1713
Delta R.T. -0.023 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04



Tgt Ion:154 Resp: 628097
Ion Ratio Lower Upper
154 100
153 41.2 32.7 49.1
76 11.4 9.4 14.2





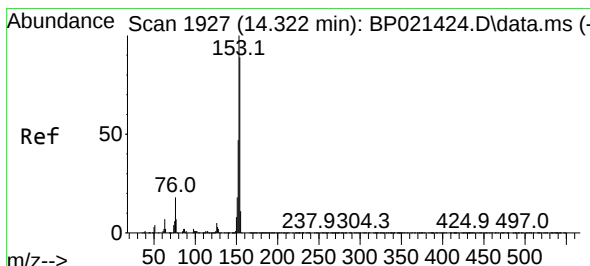
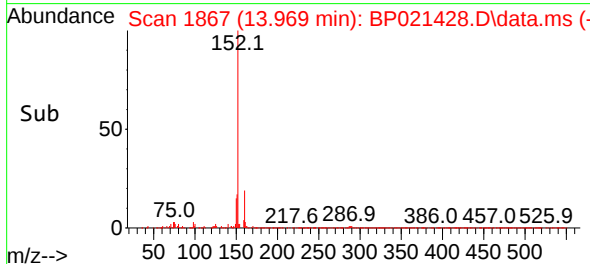
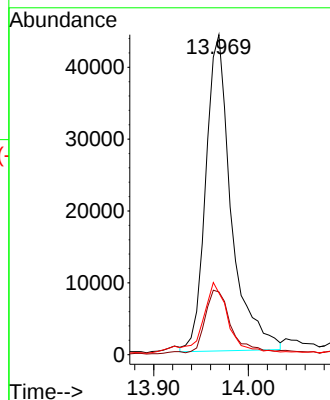
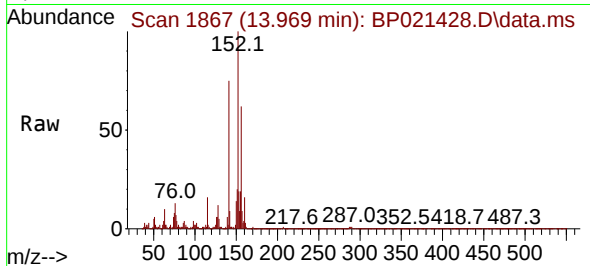
#50
Acenaphthylene
Concen: 2.587 ng/ul
RT: 13.969 min Scan# 1869
Delta R.T. -0.023 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04

Instrument :
BNA_P
ClientSampleId :
E05Y4

Tgt Ion:152 Resp: 8240
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 19.3 10.3 15.5

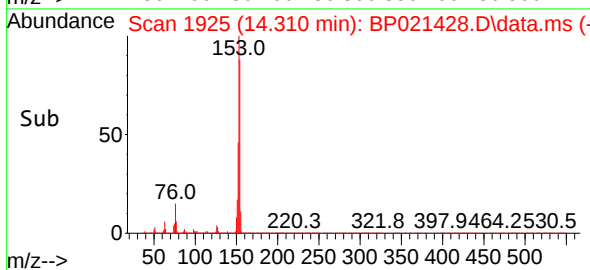
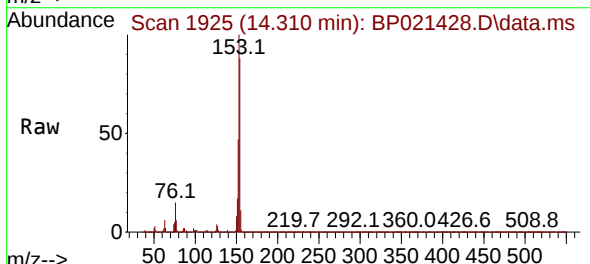
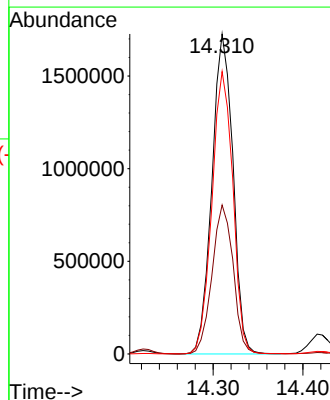
Manual Integrations
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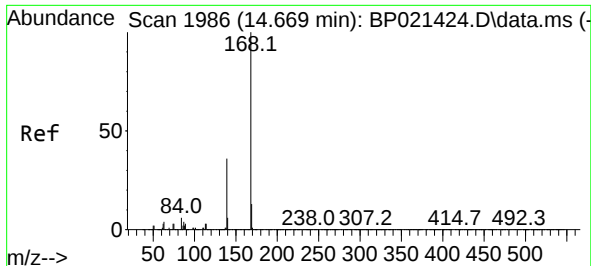
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#52
Acenaphthene
Concen: 132.647 ng/ul
RT: 14.310 min Scan# 1925
Delta R.T. -0.029 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04

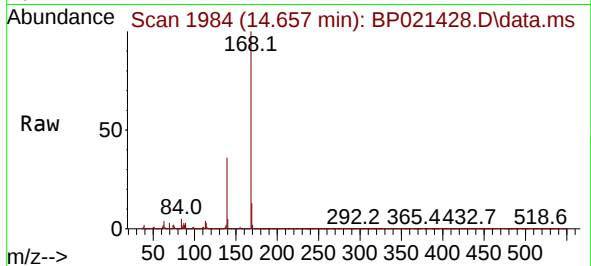
Tgt Ion:153 Resp: 2804264
Ion Ratio Lower Upper
153 100
152 46.5 37.8 56.6
154 88.2 71.8 107.6





#56
Dibenzenofuran
Concen: 109.868 ng/ul
RT: 14.657 min Scan# 1984
Delta R.T. -0.029 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04

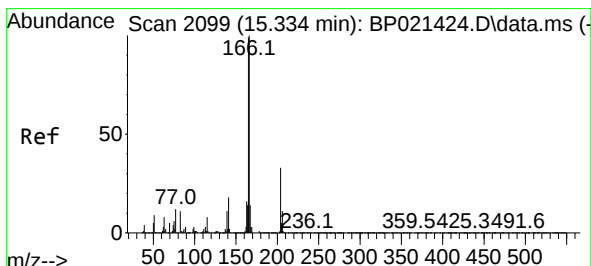
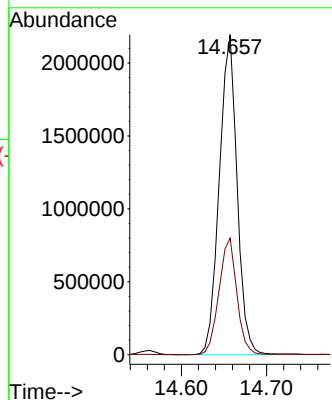
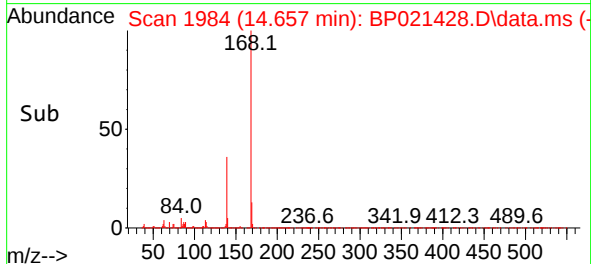
Instrument :
BNA_P
ClientSampleId :
E05Y4



Tgt Ion:168 Resp: 318069
Ion Ratio Lower Upper
168 100
139 36.5 31.1 46.7

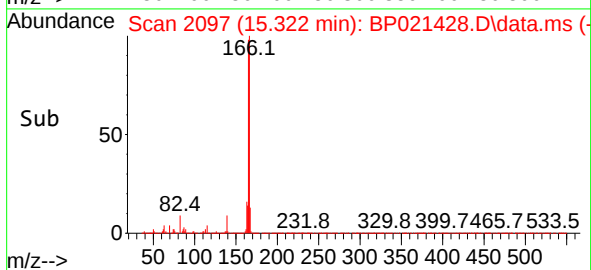
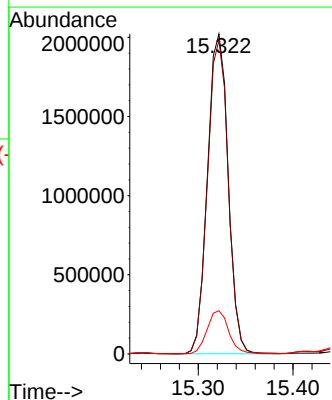
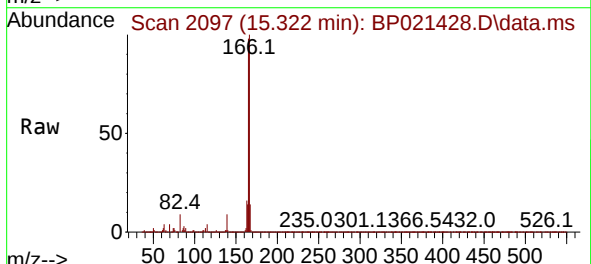
Manual Integrations
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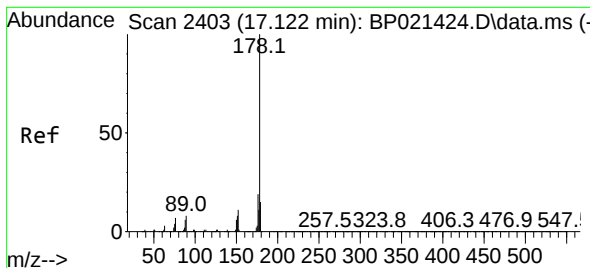
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#61
Fluorene
Concen: 129.500 ng/ul
RT: 15.322 min Scan# 2097
Delta R.T. -0.023 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04

Tgt Ion:166 Resp: 3059348
Ion Ratio Lower Upper
166 100
165 98.1 78.1 117.1
167 13.5 10.9 16.3





#72

Phenanthrene

Concen: 356.507 ng/u1

RT: 17.122 min Scan# 2403

Delta R.T. -0.012 min

Lab File: BP021428.D

Acq: 07 Aug 2024 21:04

Instrument :

BNA_P

ClientSampleId :

E05Y4

Tgt Ion:178 Resp:1484304

Ion Ratio Lower Upper

178 100

179 16.8 12.2 18.4

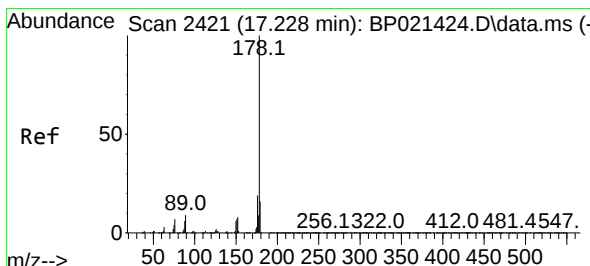
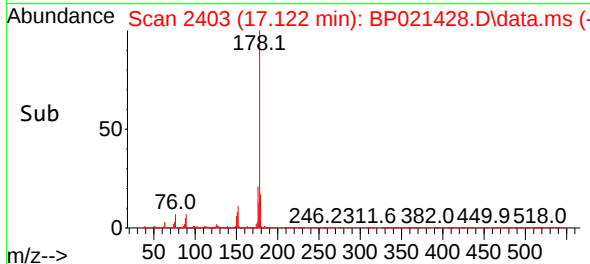
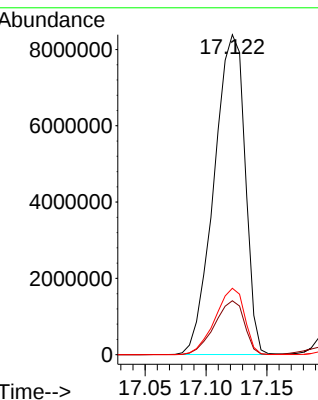
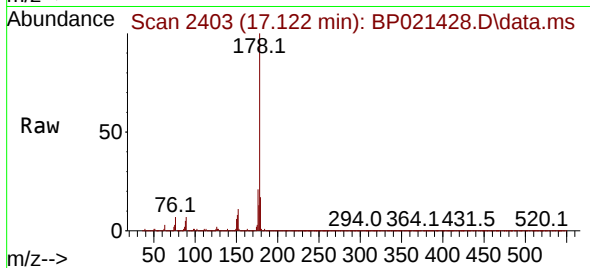
176 20.8 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#74

Anthracene

Concen: 58.822 ng/u1

RT: 17.210 min Scan# 2418

Delta R.T. -0.023 min

Lab File: BP021428.D

Acq: 07 Aug 2024 21:04

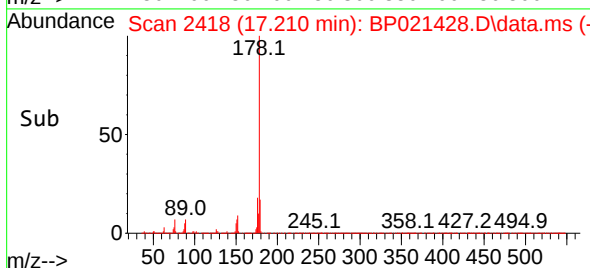
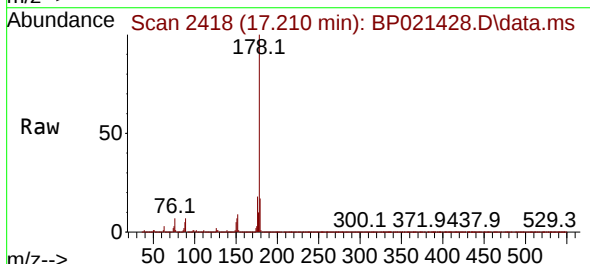
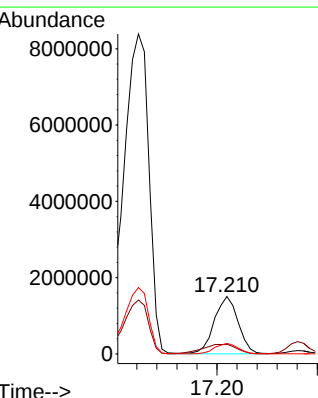
Tgt Ion:178 Resp: 2496692

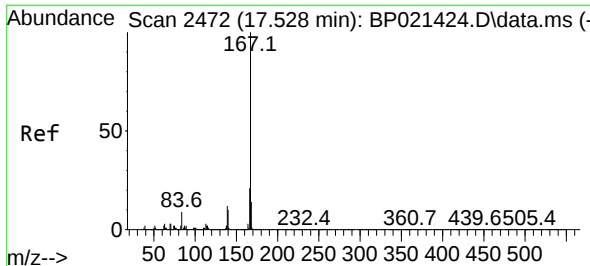
Ion Ratio Lower Upper

178 100

179 16.8 12.5 18.7

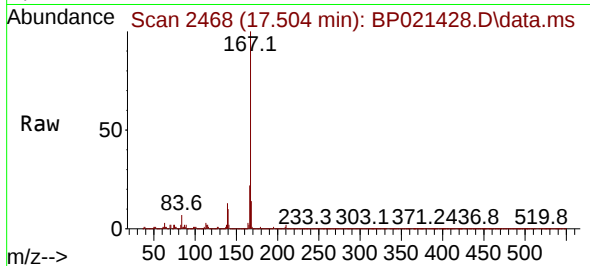
176 18.4 14.8 22.2





#77
Carbazole
Concen: 39.672 ng/ul
RT: 17.504 min Scan# 2472
Delta R.T. -0.017 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04

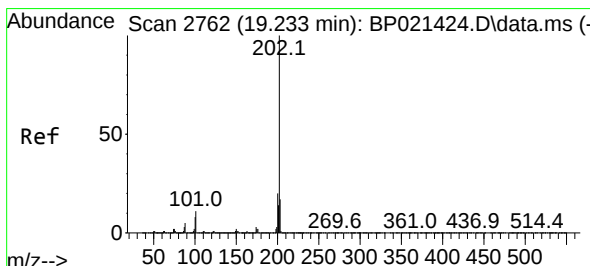
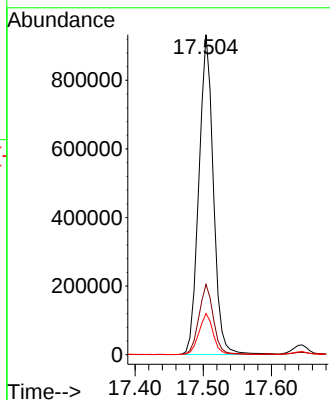
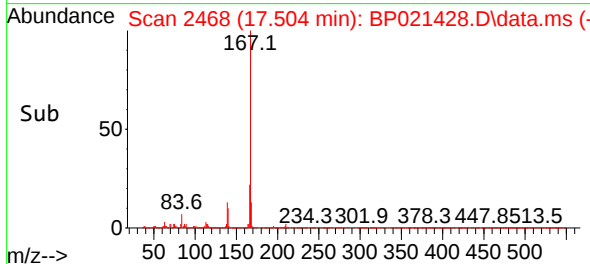
Instrument :
BNA_P
ClientSampleId :
E05Y4



Tgt Ion:167 Resp: 137652
Ion Ratio Lower Upper
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166 21.9 17.3 25.9
139 12.8 10.2 15.2

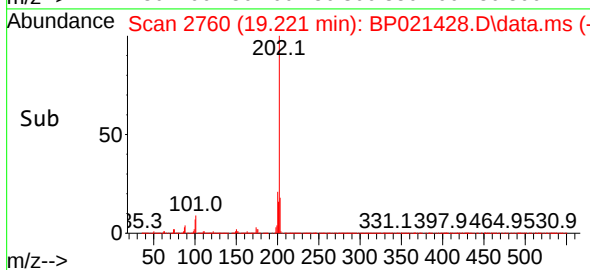
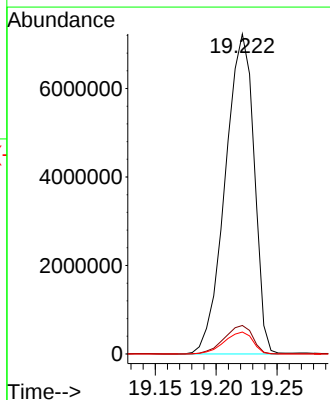
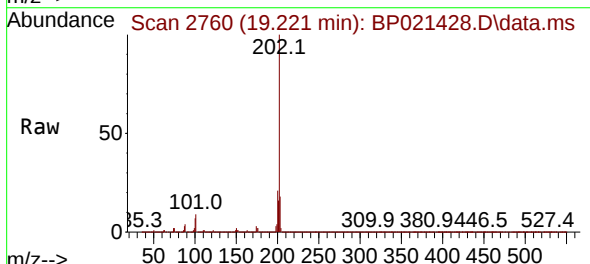
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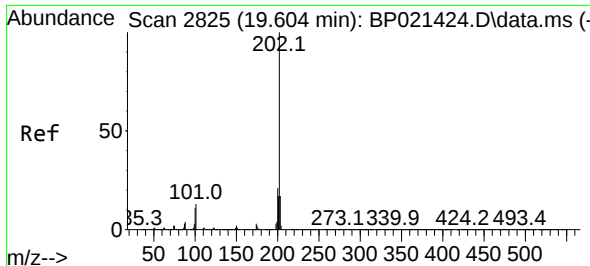
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#80
Fluoranthene
Concen: 189.323 ng/ul
RT: 19.221 min Scan# 2760
Delta R.T. -0.012 min
Lab File: BP021428.D
Acq: 07 Aug 2024 21:04

Tgt Ion:202 Resp:11915830
Ion Ratio Lower Upper
202 100
101 8.9 8.0 12.0
100 6.9 6.1 9.1





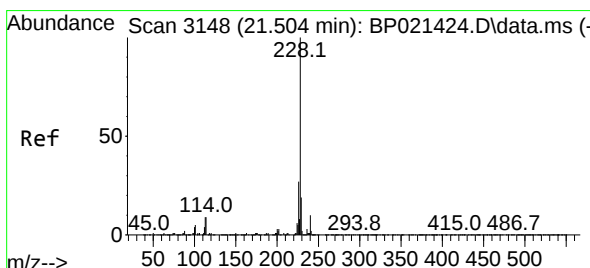
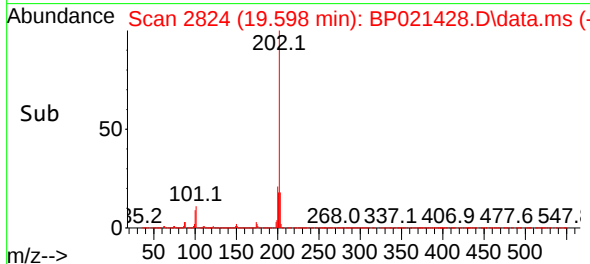
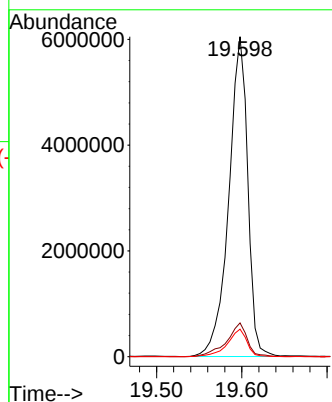
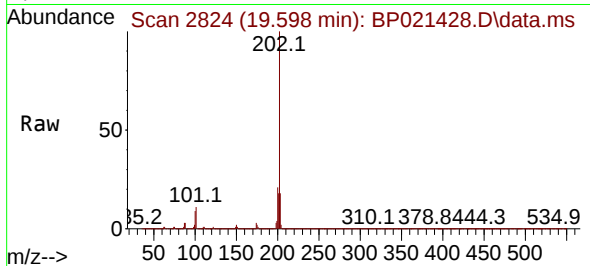
#82
 Pyrene
 Concen: 145.879 ng/uI
 RT: 19.598 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP021428.D
 Acq: 07 Aug 2024 21:04

Instrument :
 BNA_P
 ClientSampleId :
 E05Y4

Tgt Ion:202 Resp: 934304
 Ion Ratio Lower Upper
 202 100
 101 10.5 9.4 14.2
 100 8.6 7.8 11.6

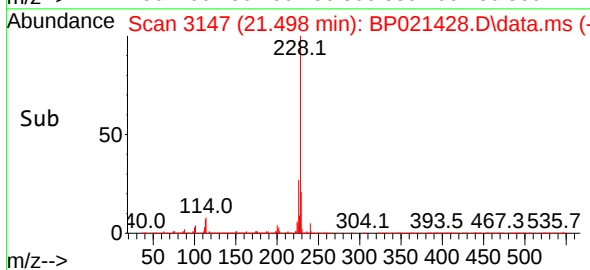
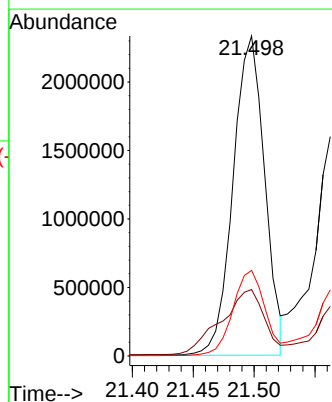
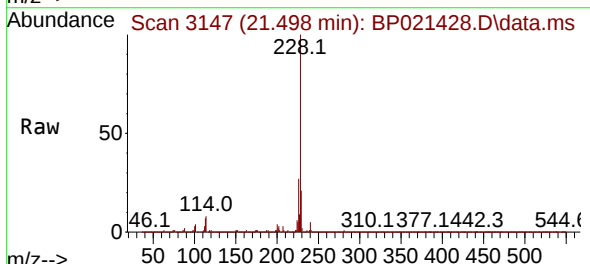
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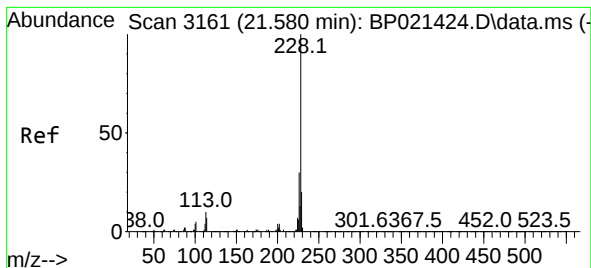
Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024



#85
 Benzo(a)anthracene
 Concen: 71.118 ng/uI
 RT: 21.498 min Scan# 3147
 Delta R.T. -0.012 min
 Lab File: BP021428.D
 Acq: 07 Aug 2024 21:04

Tgt Ion:228 Resp: 4199646
 Ion Ratio Lower Upper
 228 100
 229 20.8 15.5 23.3
 226 26.7 21.4 32.2





#87

Chrysene

Concen: 51.864 ng/ul

RT: 21.563 min Scan# 3158

Delta R.T. -0.023 min

Lab File: BP021428.D

Acq: 07 Aug 2024 21:04

Instrument :

BNA_P

ClientSampleId :

E05Y4

Tgt Ion:228 Resp: 284587

Ion Ratio Lower Upper

228 100

226 30.1 23.6 35.4

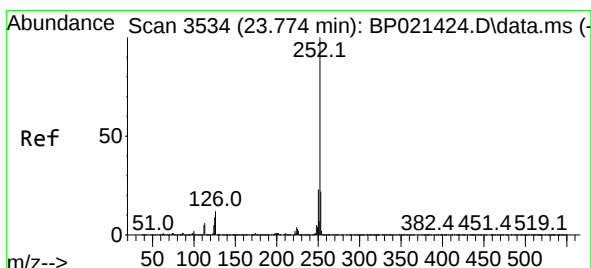
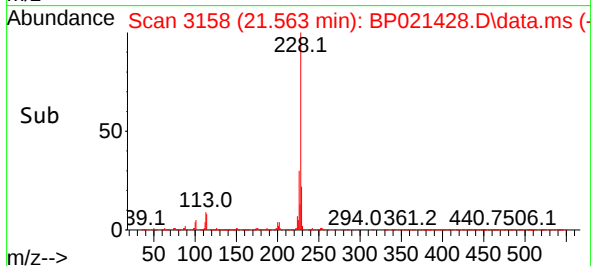
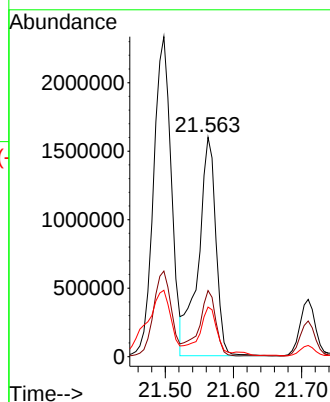
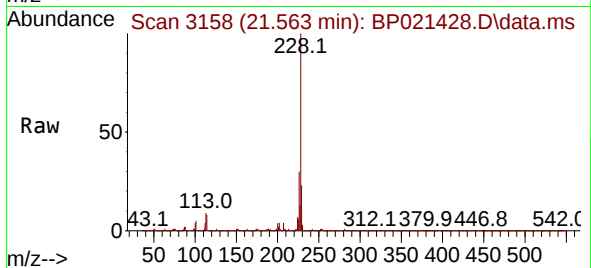
229 22.6 15.5 23.3

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#90

Benzo(b)fluoranthene

Concen: 69.055 ng/ul

RT: 23.762 min Scan# 3532

Delta R.T. -0.023 min

Lab File: BP021428.D

Acq: 07 Aug 2024 21:04

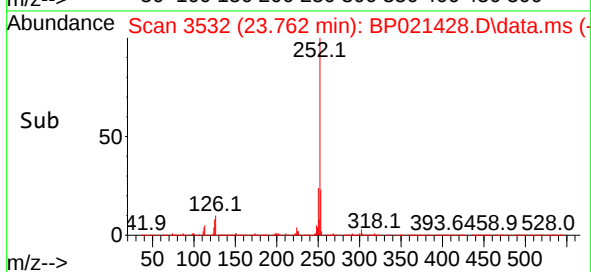
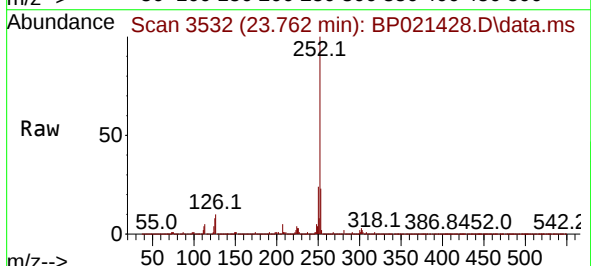
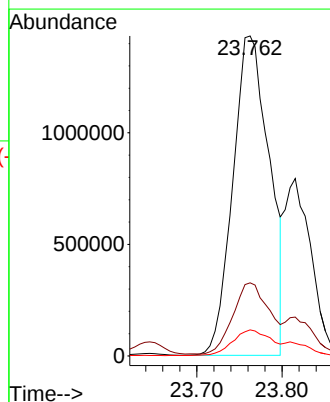
Tgt Ion:252 Resp: 4271319

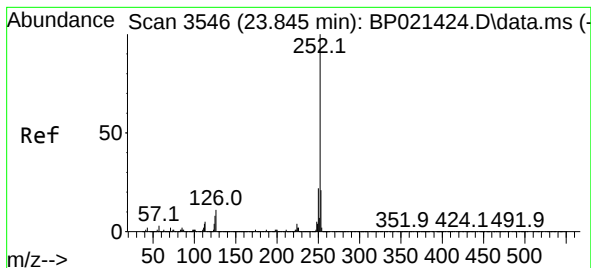
Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 8.2 7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 27.443 ng/ul m

RT: 23.815 min Scan# 3

Delta R.T. -0.035 min

Lab File: BP021428.D

Acq: 07 Aug 2024 21:04

Instrument :

BNA_P

ClientSampleId :

E05Y4

Tgt Ion:252 Resp: 1694004

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

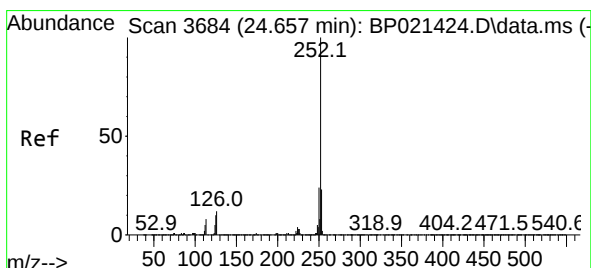
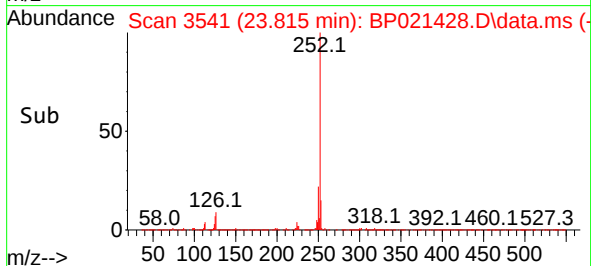
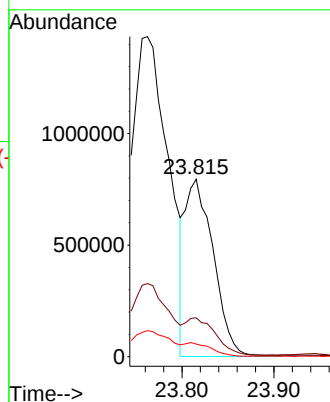
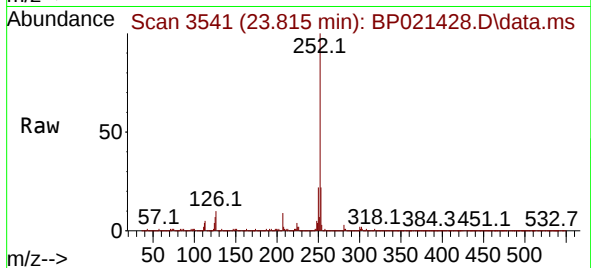
125 7.1 7.4 11.0

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#93

Benzo(a)pyrene

Concen: 59.256 ng/ul

RT: 24.651 min Scan# 3683

Delta R.T. -0.029 min

Lab File: BP021428.D

Acq: 07 Aug 2024 21:04

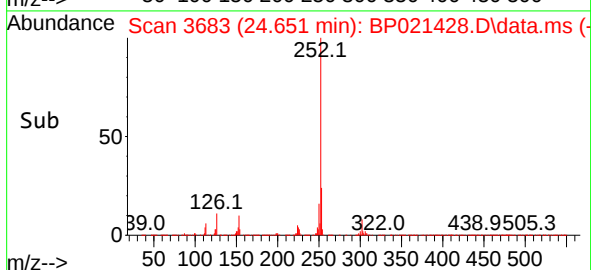
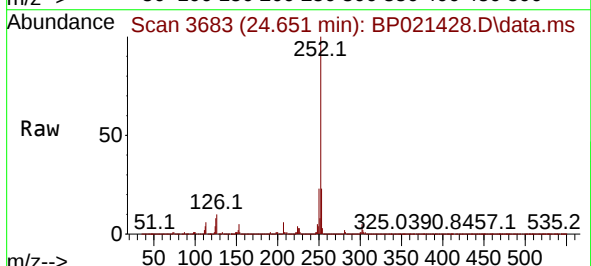
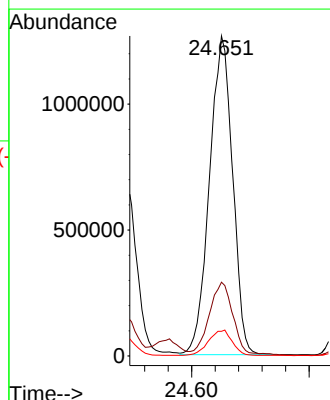
Tgt Ion:252 Resp: 3463554

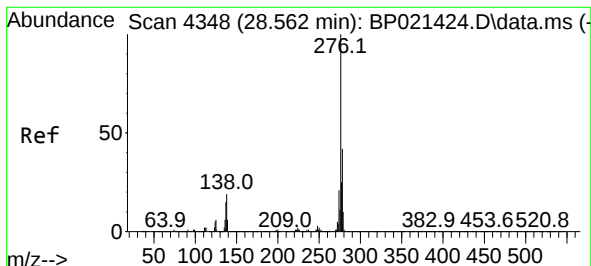
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 7.7 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 28.743 ng/ul

RT: 28.539 min Scan# 4348

Delta R.T. -0.059 min

Lab File: BP021428.D

Acq: 07 Aug 2024 21:04

Instrument :

BNA_P

ClientSampleId :

E05Y4

Tgt Ion:276 Resp: 216489

Ion Ratio Lower Upper

276 100

138 14.1 14.3 21.5

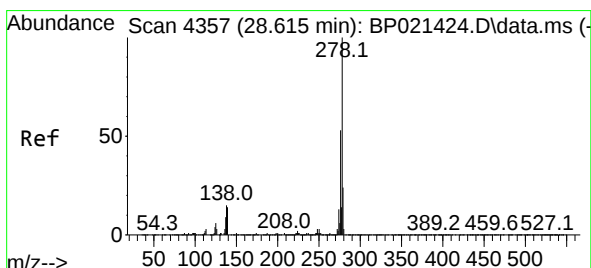
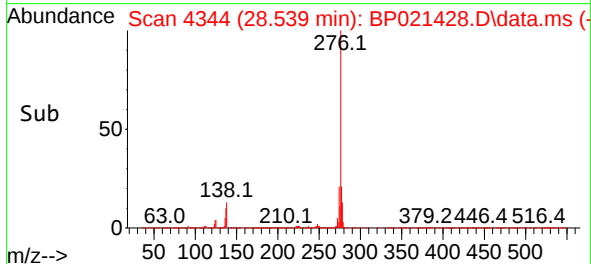
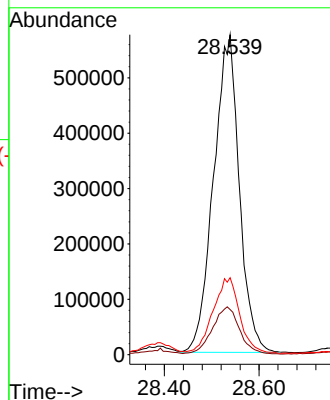
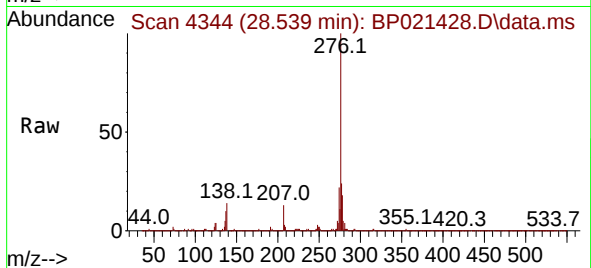
277 24.0 19.2 28.8

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#95

Dibenzo(a,h)anthracene

Concen: 8.253 ng/ul

RT: 28.550 min Scan# 4346

Delta R.T. -0.088 min

Lab File: BP021428.D

Acq: 07 Aug 2024 21:04

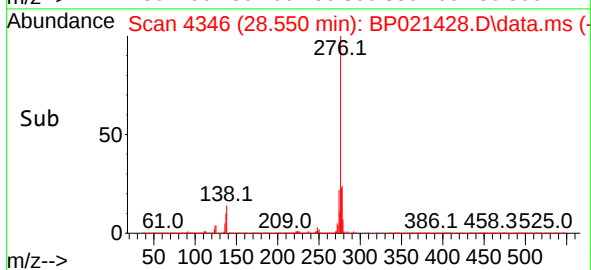
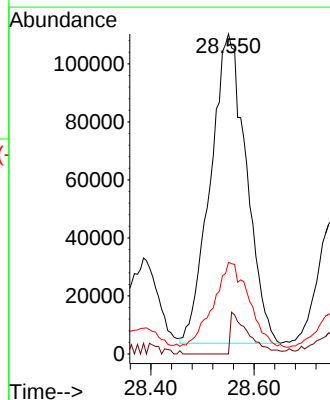
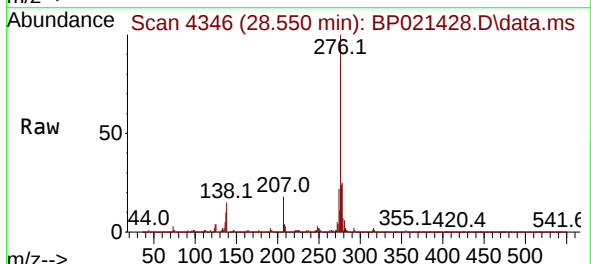
Tgt Ion:278 Resp: 514773

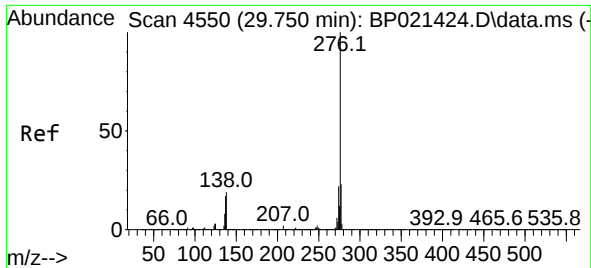
Ion Ratio Lower Upper

278 100

139 0.0 10.9 16.3

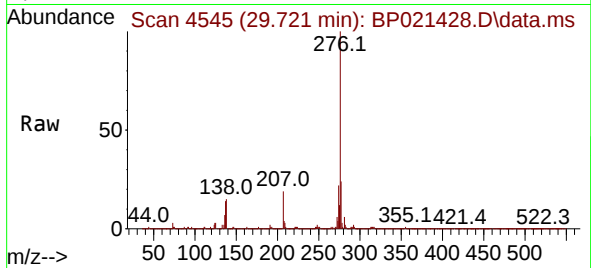
279 28.7 19.4 29.0





#96
 Benzo(g,h,i)perylene
 Concen: 32.759 ng/ul
 RT: 29.721 min Scan# 4545
 Delta R.T. -0.041 min
 Lab File: BP021428.D
 Acq: 07 Aug 2024 21:04

Instrument :
 BNA_P
 ClientSampleId :
 E05Y4



Tgt Ion:276 Resp: 200946
 Ion Ratio Lower Upper
 276 100
 138 15.2 15.3 22.9
 277 24.1 18.2 27.2

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

