

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080824\
 Data File : BP021455.D
 Acq On : 08 Aug 2024 19:22
 Operator : RC/JU
 Sample : P3435-14 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05Y6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/09/2024
 Supervised By :mohammad ahmed 08/12/2024

Quant Time: Aug 09 04:14:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 08 18:23:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	168551	20.000	ng/u1	0.02
20) Naphthalene-d8	10.363	136	707152	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.245	164	445614	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	932657	20.000	ng/u1	0.00
79) Chrysene-d12	21.504	240	830784	20.000	ng/u1	0.00
88) Perylene-d12	24.792	264	1081722	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.169	96	954	0.258	ng/uL	0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.957	99	5497m	0.400	ng/u1	0.13
9) Bis-(2-Chloroethyl)eth...	7.034	67	7256m	0.871	ng/u1	0.08
11) 2-Chlorophenol-d4	7.263	132	9464m	0.836	ng/u1	0.11
15) 4-Methylphenol-d8	8.457	113	9125m	0.800	ng/u1	0.11
21) Nitrobenzene-d5	8.845	128	3457m	0.629	ng/u1	0.07
24) 2-Nitrophenol-d4	9.534	143	5407m	0.860	ng/u1	0.05
28) 2,4-Dichlorophenol-d3	10.175	165	10330m	0.909	ng/u1	0.13
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.663	166	40788	1.259	ng/u1	0.00
49) Acenaphthylene-d8	13.945	160	39676	1.091	ng/u1	0.01
54) 4-Nitrophenol-d4	14.651	143	2320m	0.503	ng/u1	0.08
60) Fluorene-d10	15.263	176	31607	1.189	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.533	200	1036m	0.184	ng/u1	0.09
73) Anthracene-d10	17.169	188	55087m	1.330	ng/u1	0.00
81) Pyrene-d10	19.551	212	62208	1.211	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.545	264	53256	0.998	ng/u1	-0.02
Target Compounds					Qvalue	
16) Acetophenone	8.504	105	31596m	1.794	ng/u1	
30) Naphthalene	10.416	128	5742341	154.378	ng/u1	99
36) 2-Methylnaphthalene	12.039	142	2258125	88.439	ng/u1	99
37) 1-Methylnaphthalene	12.257	142	1047462	39.887	ng/u1	100
43) 1,1'-Biphenyl	13.063	154	742206	22.791	ng/u1	97
50) Acenaphthylene	13.975	152	54543	1.324	ng/u1#	89
52) Acenaphthene	14.316	153	3229413	118.145	ng/u1	99
56) Dibenzofuran	14.657	168	3638758	97.211	ng/u1	98
61) Fluorene	15.327	166	3438236	112.562	ng/u1	99
72) Phenanthrene	17.116	178	15657689	323.623	ng/u1	95
74) Anthracene	17.210	178	6858115	139.042	ng/u1	99
77) Carbazole	17.504	167	2401834	59.568	ng/u1	99
80) Fluoranthene	19.210	202	13229532	213.284	ng/u1	99
82) Pyrene	19.586	202	9468567	150.011	ng/u1	99
85) Benzo(a)anthracene	21.480	228	4256818	73.145	ng/u1	98
87) Chrysene	21.551	228	3545785	65.569	ng/u1	97
90) Benzo(b)fluoranthene	23.745	252	4387385	66.836	ng/u1	98
91) Benzo(k)fluoranthene	23.803	252	1826729	27.884	ng/u1	99
93) Benzo(a)pyrene	24.627	252	2387906	38.494	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.544	276	1805745	22.590	ng/u1	99
95) Dibenzo(a,h)anthracene	28.556	278	509434	7.696	ng/u1#	92
96) Benzo(g,h,i)perylene	29.686	276	293095	4.502	ng/u1	94

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 08 18:23:21 2024
Response via : Initial Calibration

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

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

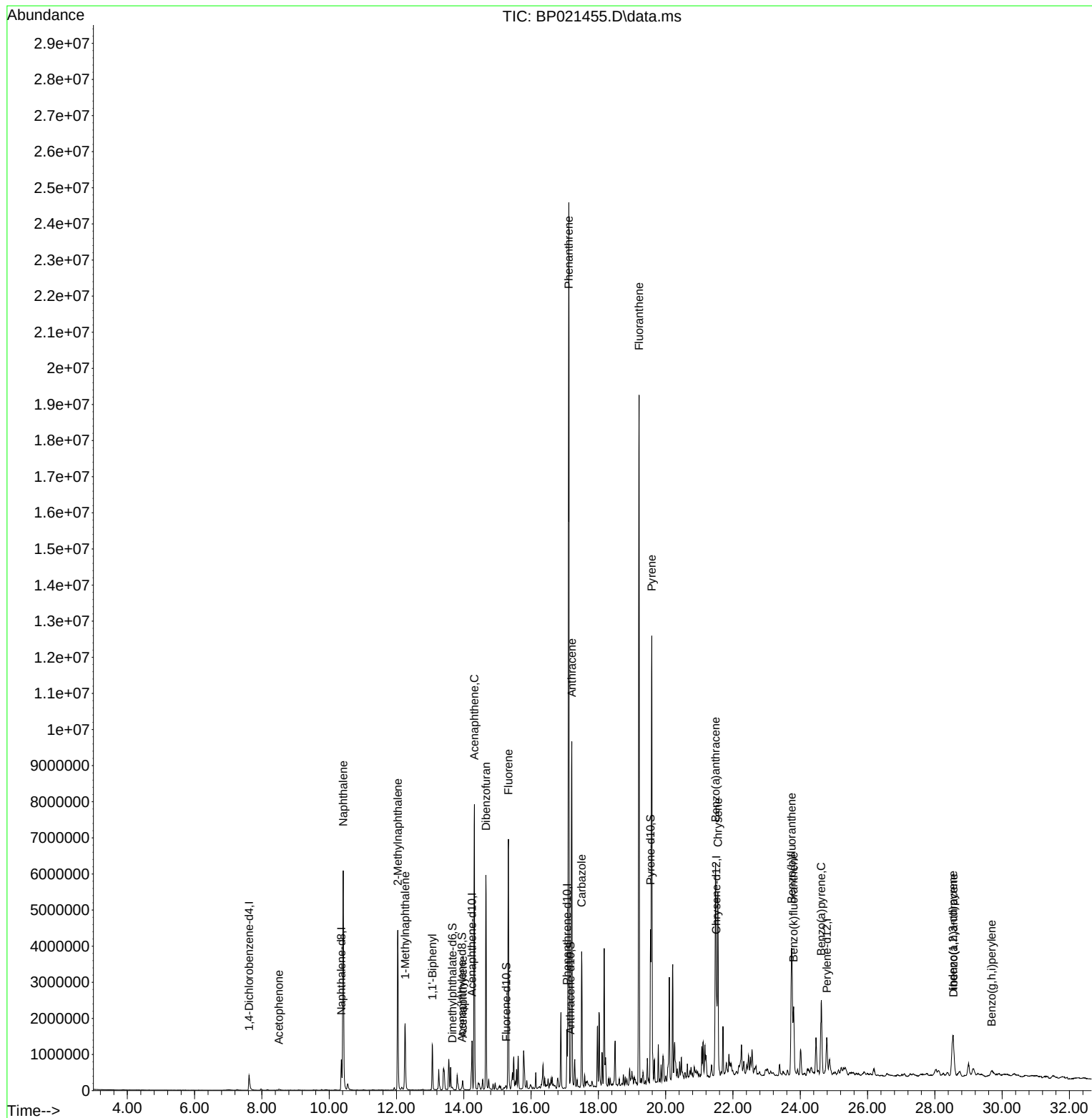
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080824\
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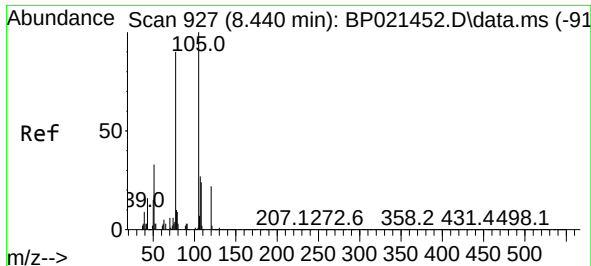
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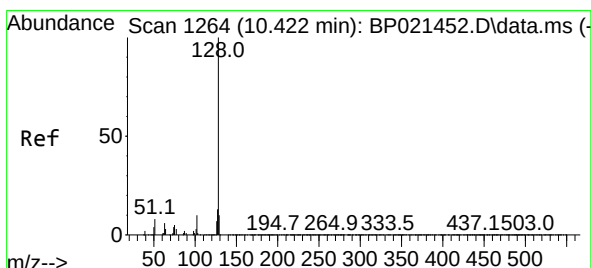
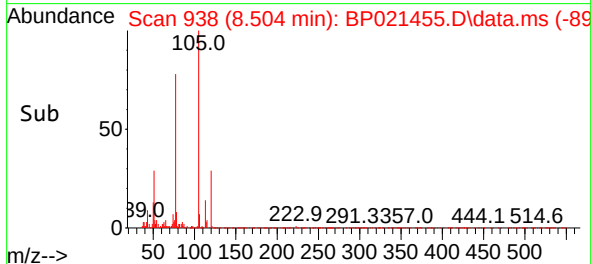
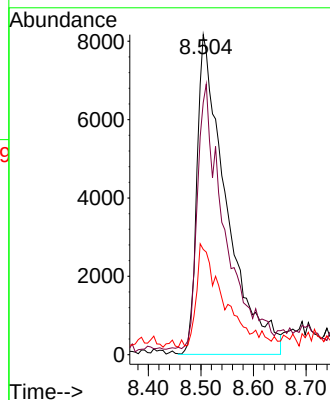
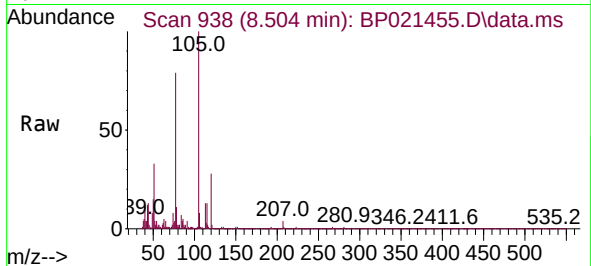
#16
Acetophenone
Concen: 1.794 ng/ul m
RT: 8.504 min Scan# 91
Delta R.T. 0.064 min
Lab File: BP021455.D
Acq: 08 Aug 2024 19:22

Instrument :
BNA_P
ClientSampleId :
E05Y6

Tgt Ion:105 Resp: 31590
Ion Ratio Lower Upper
105 100
77 78.8 61.8 92.8
51 32.9 21.5 32.3

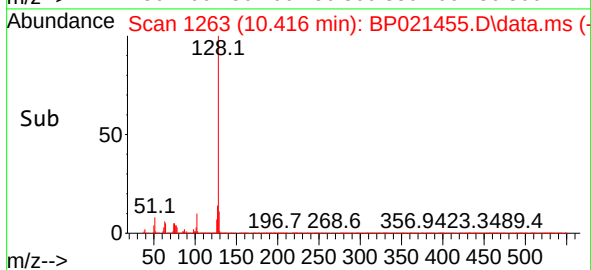
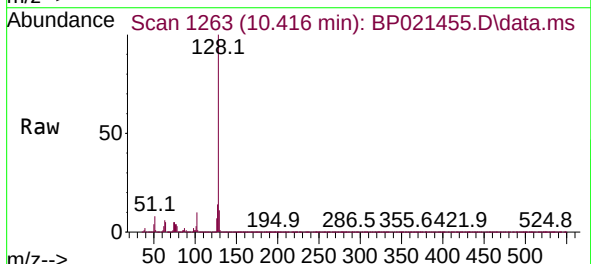
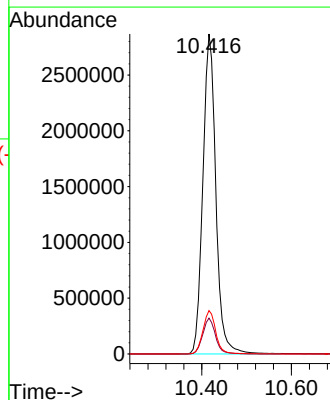
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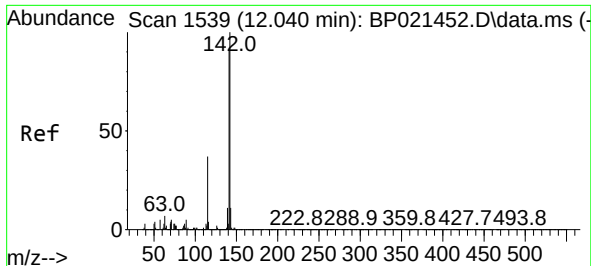
Reviewed By :Jagrut Upadhyay 08/09/2024
Supervised By :mohammad ahmed 08/12/2024



#30
Naphthalene
Concen: 154.378 ng/ul
RT: 10.416 min Scan# 1263
Delta R.T. -0.006 min
Lab File: BP021455.D
Acq: 08 Aug 2024 19:22

Tgt Ion:128 Resp: 5742341
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.6 10.8 16.2





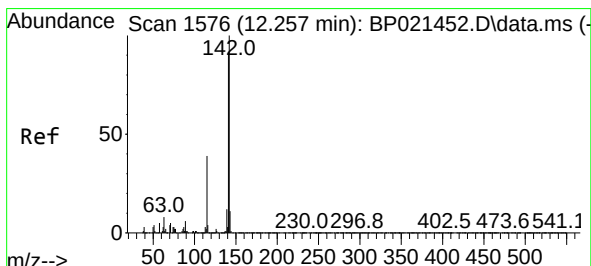
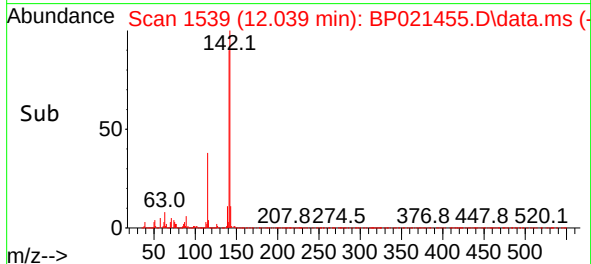
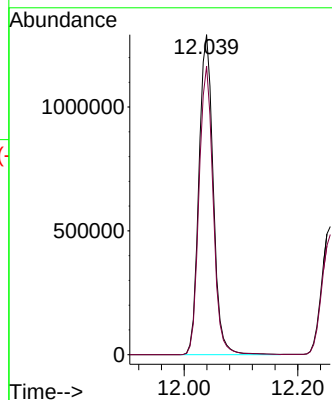
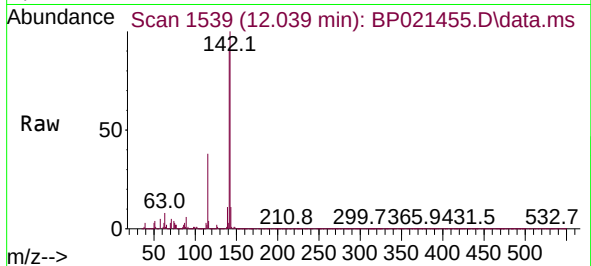
#36
2-Methylnaphthalene
Concen: 88.439 ng/ul
RT: 12.039 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BP021455.D
Acq: 08 Aug 2024 19:22

Instrument :
BNA_P
ClientSampleId :
E05Y6

Tgt Ion:142 Resp: 225812
Ion Ratio Lower Upper
142 100
141 90.2 72.6 108.8

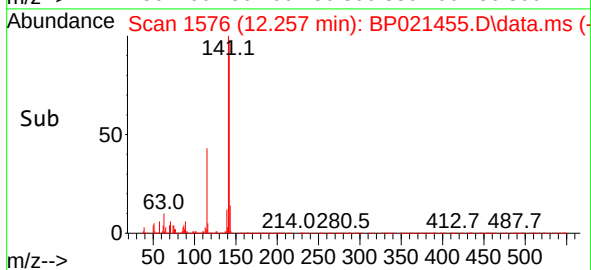
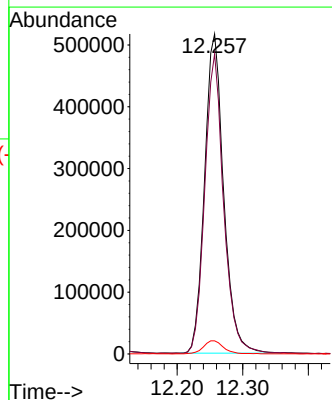
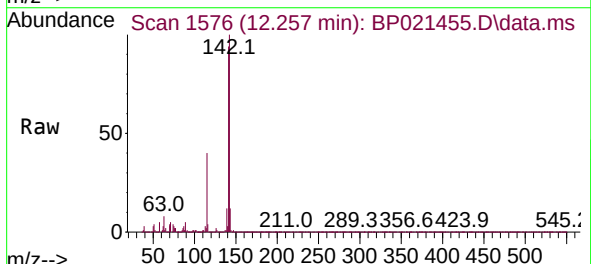
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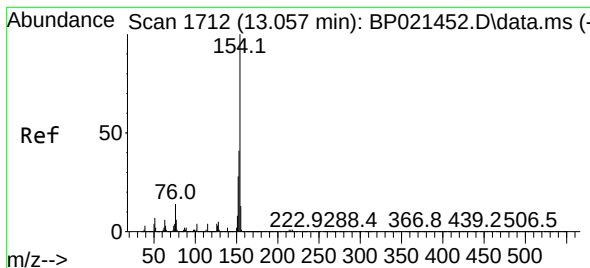
Reviewed By :Jagrut Upadhyay 08/09/2024
Supervised By :mohammad ahmed 08/12/2024



#37
1-Methylnaphthalene
Concen: 39.887 ng/ul
RT: 12.257 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BP021455.D
Acq: 08 Aug 2024 19:22

Tgt Ion:142 Resp: 1047462
Ion Ratio Lower Upper
142 100
141 93.7 75.0 112.6
116 4.1 3.2 4.8





#43

1,1'-Biphenyl

Concen: 22.791 ng/ul

RT: 13.063 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

Instrument :

BNA_P

ClientSampleId :

E05Y6

Tgt Ion:154 Resp: 742200

Ion Ratio Lower Upper

154 100

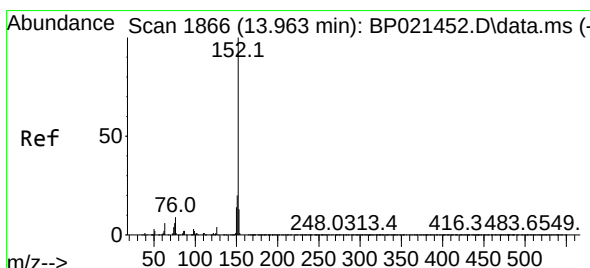
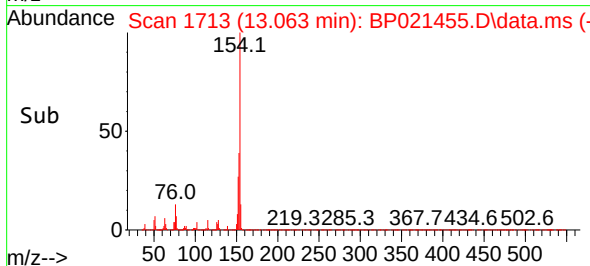
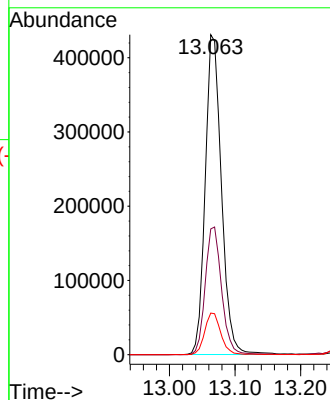
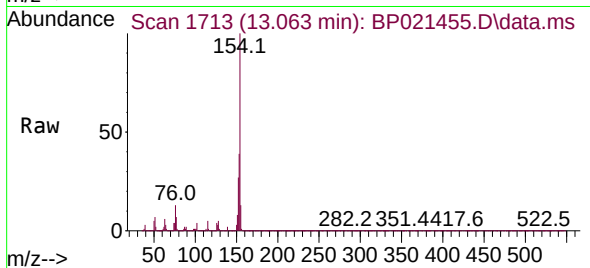
153 39.3 32.7 49.1

76 13.0 9.4 14.2

Manual Integrations

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Supervised By :mohammad ahmed 08/12/2024



#50

Acenaphthylene

Concen: 1.324 ng/ul

RT: 13.975 min Scan# 1868

Delta R.T. 0.011 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

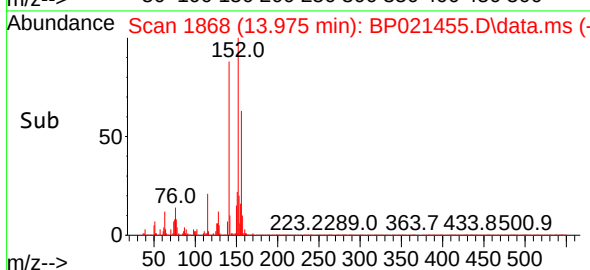
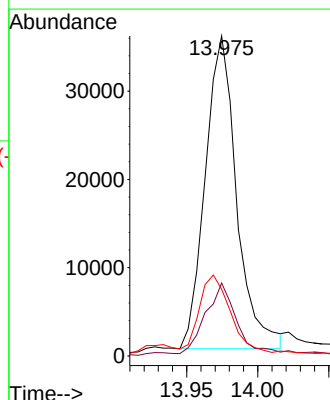
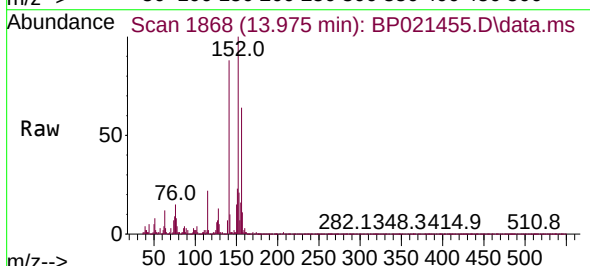
Tgt Ion:152 Resp: 54543

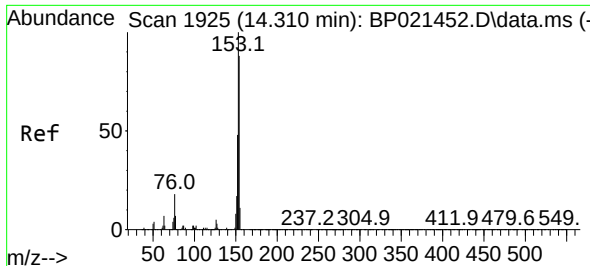
Ion Ratio Lower Upper

152 100

151 22.8 16.2 24.2

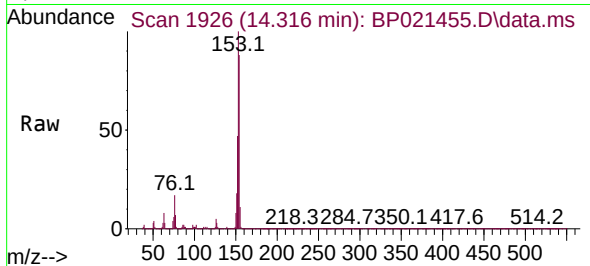
153 20.9 10.3 15.5#





#52
Acenaphthene
Concen: 118.145 ng/ul
RT: 14.316 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BP021455.D
Acq: 08 Aug 2024 19:22

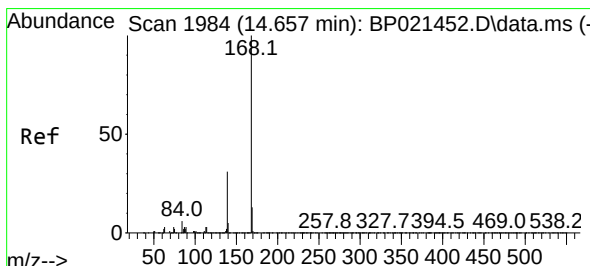
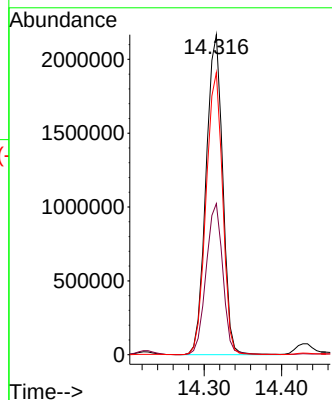
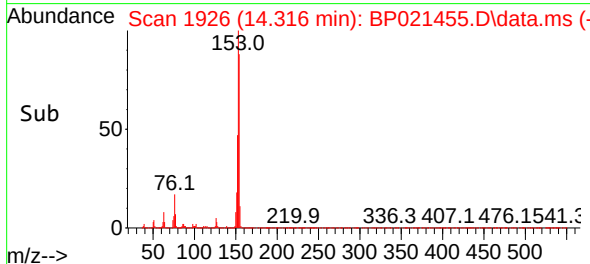
Instrument :
BNA_P
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E05Y6



Tgt Ion:153 Resp: 322941
Ion Ratio Lower Upper
153 100
152 47.2 37.8 56.6
154 88.1 71.8 107.6

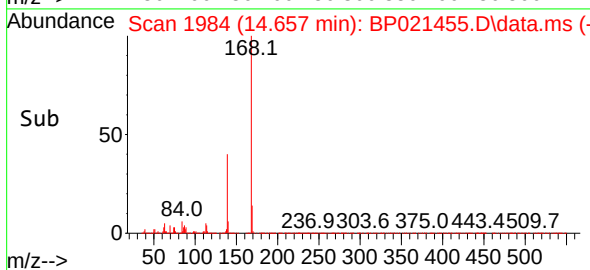
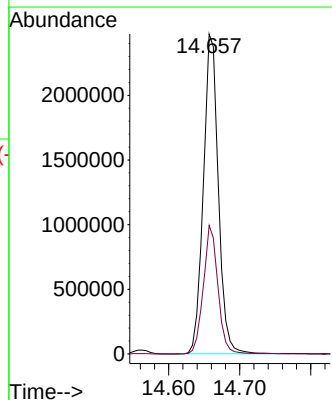
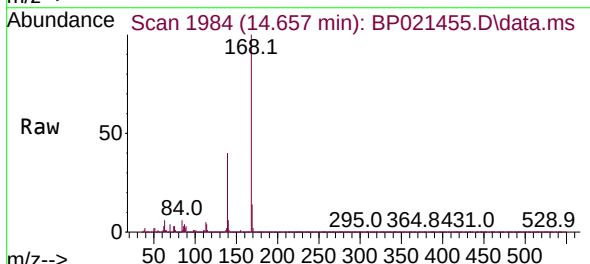
Manual Integrations
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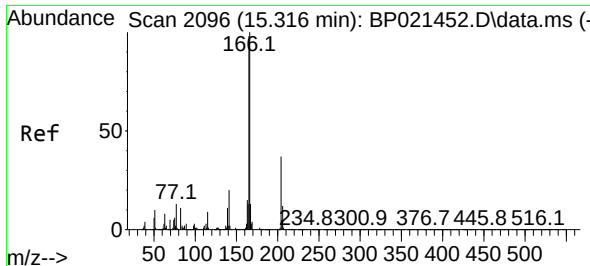
Reviewed By :Jagrut Upadhyay 08/09/2024
Supervised By :mohammad ahmed 08/12/2024



#56
Dibenzofuran
Concen: 97.211 ng/ul
RT: 14.657 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BP021455.D
Acq: 08 Aug 2024 19:22

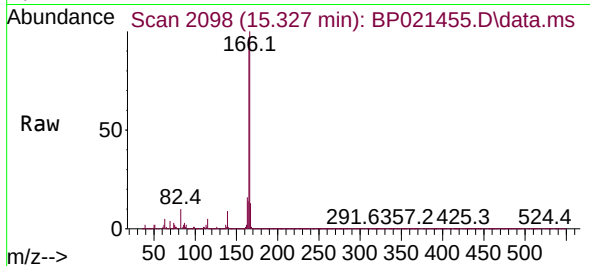
Tgt Ion:168 Resp: 3638758
Ion Ratio Lower Upper
168 100
139 40.1 31.1 46.7





#61
Fluorene
Concen: 112.562 ng/u1
RT: 15.327 min Scan# 2096
Delta R.T. 0.011 min
Lab File: BP021455.D
Acq: 08 Aug 2024 19:22

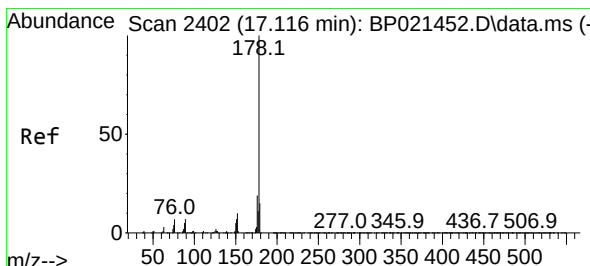
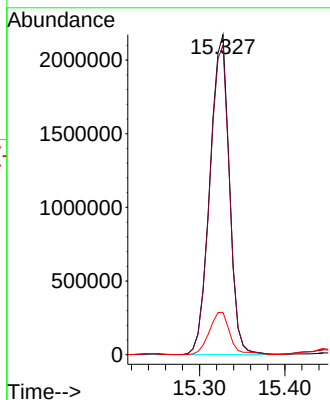
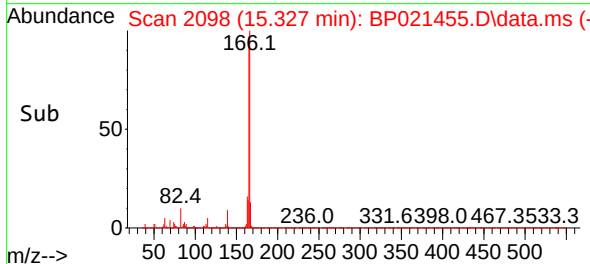
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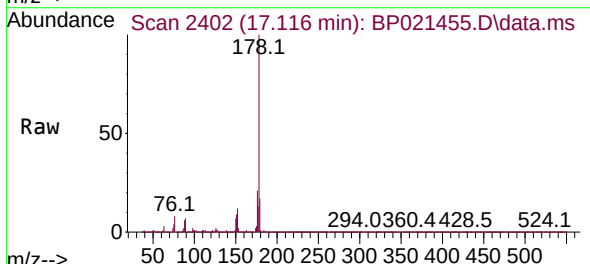
Tgt Ion:166 Resp: 3438230
Ion Ratio Lower Upper
166 100
165 96.7 78.1 117.1
167 13.3 10.9 16.3

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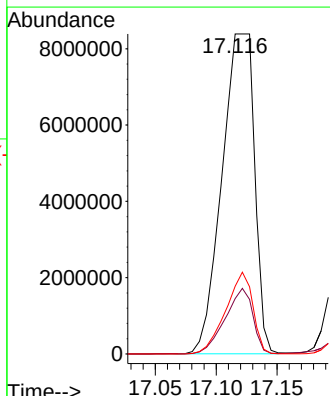
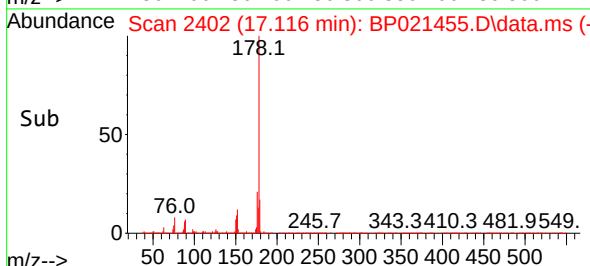
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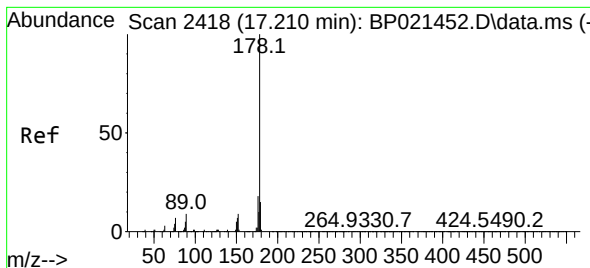


#72
Phenanthrene
Concen: 323.623 ng/u1
RT: 17.116 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BP021455.D
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Tgt Ion:178 Resp:15657689
Ion Ratio Lower Upper
178 100
179 17.3 12.2 18.4
176 21.2 15.0 22.4





#74

Anthracene

Concen: 139.042 ng/u1

RT: 17.210 min Scan# 2418

Delta R.T. -0.000 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

Instrument :

BNA_P

ClientSampleId :

E05Y6

Tgt Ion:178 Resp: 685811

Ion Ratio Lower Upper

178 100

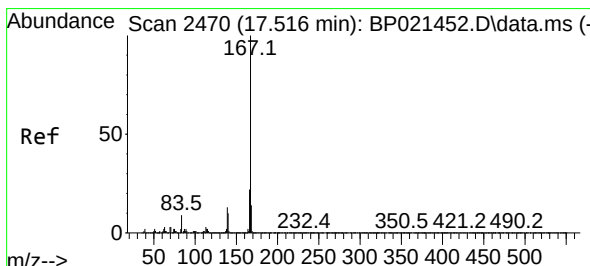
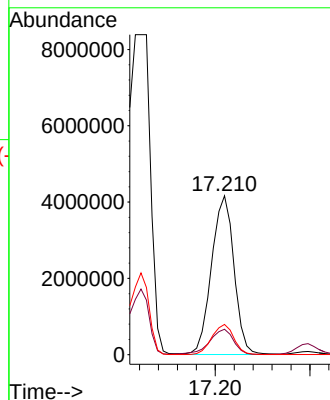
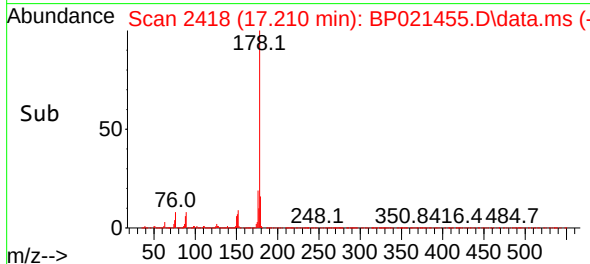
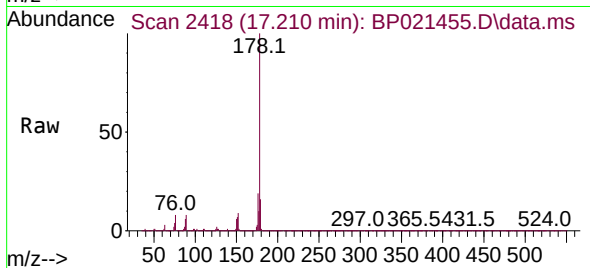
179 16.0 12.5 18.7

176 19.0 14.8 22.2

Manual Integrations

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#77

Carbazole

Concen: 59.568 ng/u1

RT: 17.504 min Scan# 2468

Delta R.T. -0.012 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

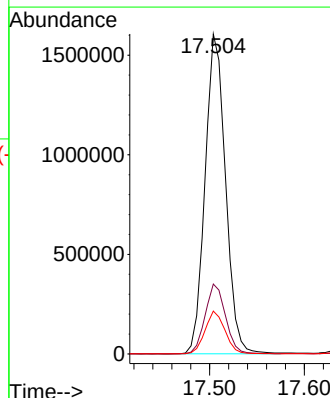
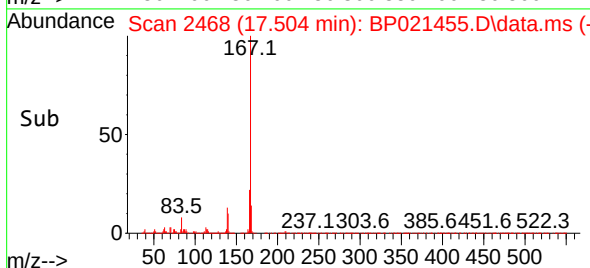
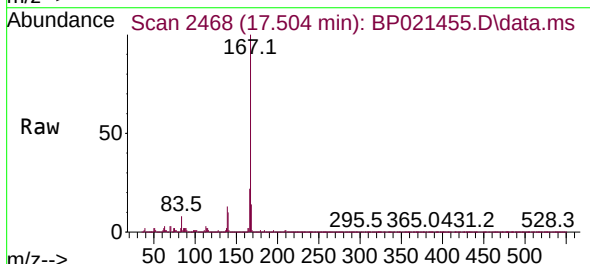
Tgt Ion:167 Resp: 2401834

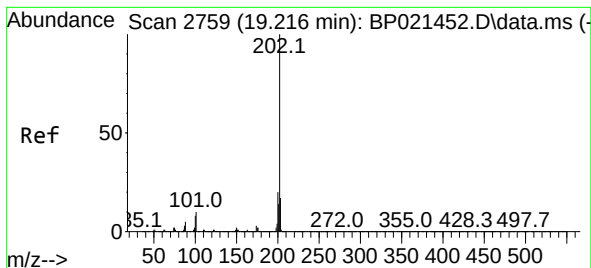
Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

139 13.4 10.2 15.2





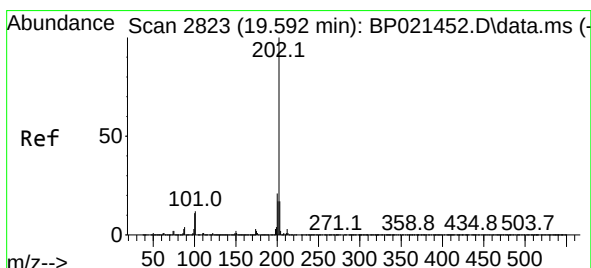
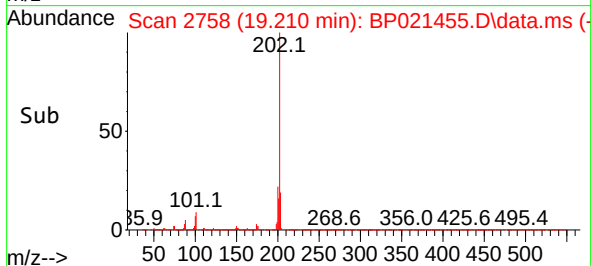
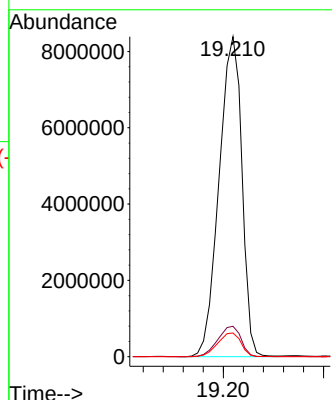
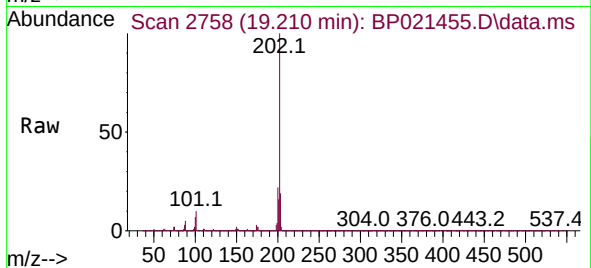
#80
Fluoranthene
Concen: 213.284 ng/ul
RT: 19.210 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021455.D
Acq: 08 Aug 2024 19:22

Instrument :
BNA_P
ClientSampleId :
E05Y6

Tgt Ion:202 Resp:1322953
Ion Ratio Lower Upper
202 100
101 9.5 8.0 12.0
100 7.4 6.1 9.1

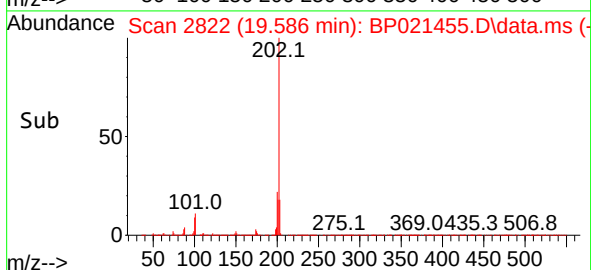
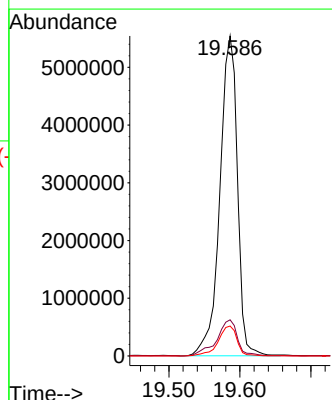
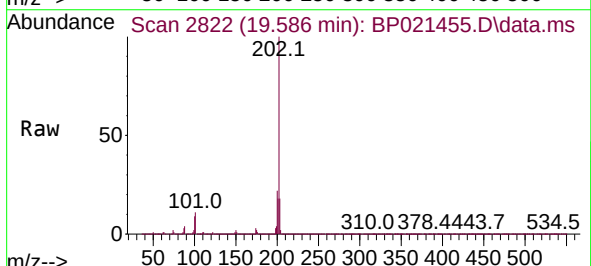
Manual Integrations
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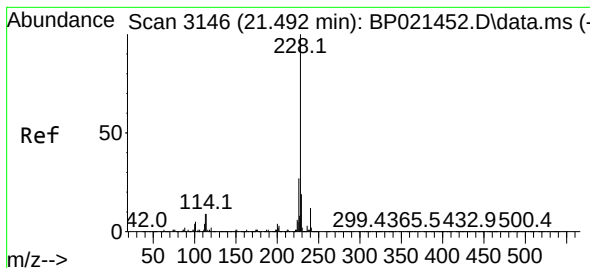
Reviewed By :Jagrut Upadhyay 08/09/2024
Supervised By :mohammad ahmed 08/12/2024



#82
Pyrene
Concen: 150.011 ng/ul
RT: 19.586 min Scan# 2822
Delta R.T. -0.006 min
Lab File: BP021455.D
Acq: 08 Aug 2024 19:22

Tgt Ion:202 Resp: 9468567
Ion Ratio Lower Upper
202 100
101 11.3 9.4 14.2
100 9.4 7.8 11.6





#85

Benzo(a)anthracene

Concen: 73.145 ng/ul

RT: 21.480 min Scan# 3144

Delta R.T. -0.012 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

Instrument :

BNA_P

ClientSampleId :

E05Y6

Tgt Ion:228 Resp: 4256818

Ion Ratio Lower Upper

228 100

229 21.2 15.5 23.3

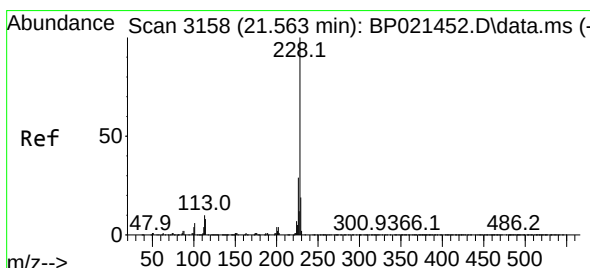
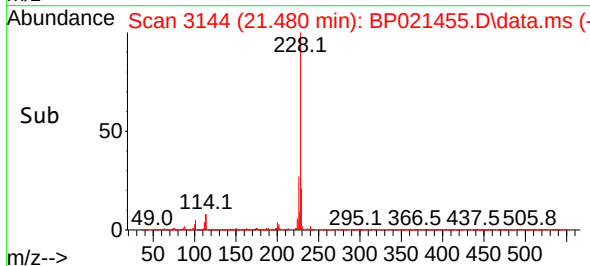
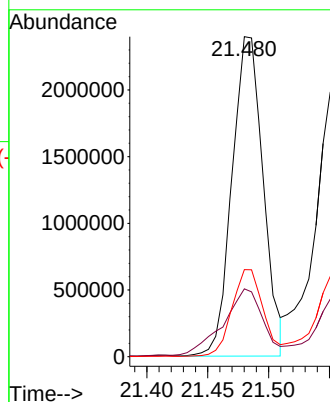
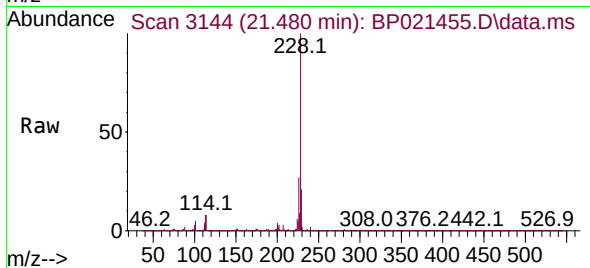
226 27.2 21.4 32.2

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Reviewed By :Jagrut Upadhyay 08/09/2024

Supervised By :mohammad ahmed 08/12/2024



#87

Chrysene

Concen: 65.569 ng/ul

RT: 21.551 min Scan# 3156

Delta R.T. -0.012 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

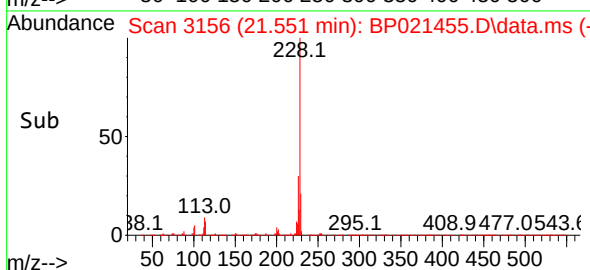
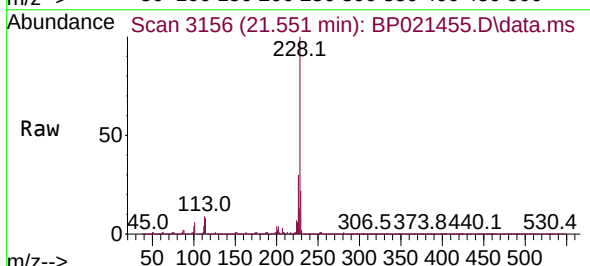
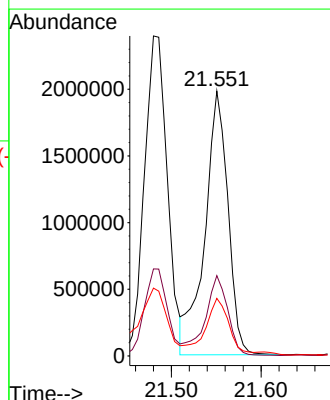
Tgt Ion:228 Resp: 3545785

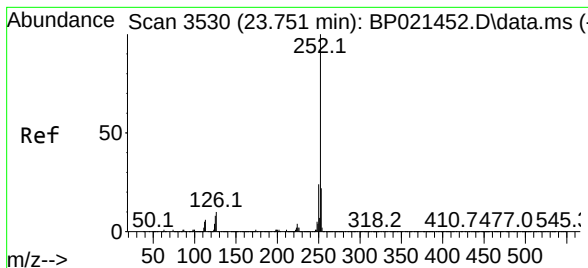
Ion Ratio Lower Upper

228 100

226 30.3 23.6 35.4

229 21.7 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 66.836 ng/ul

RT: 23.745 min Scan# 3529

Delta R.T. -0.006 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

Instrument :

BNA_P

ClientSampleId :

E05Y6

Tgt Ion:252 Resp: 438738

Ion Ratio Lower Upper

252 100

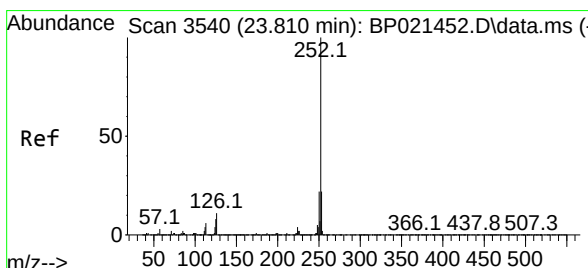
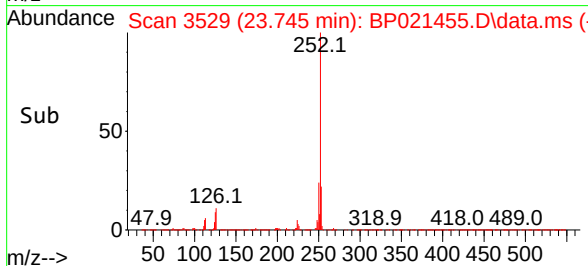
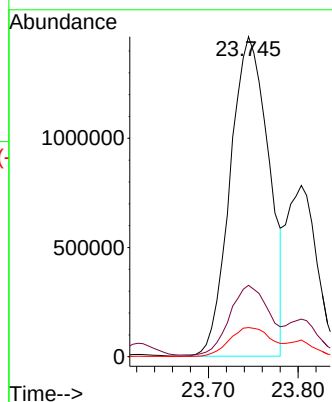
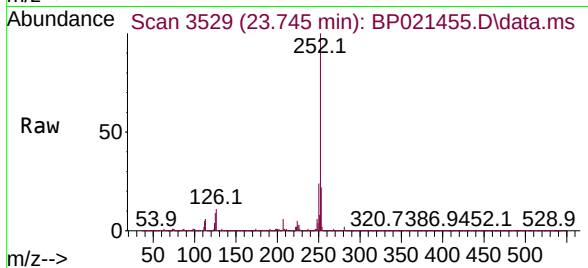
253 22.3 17.1 25.7

125 9.1 7.0 10.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/09/2024
Supervised By :mohammad ahmed 08/12/2024



#91

Benzo(k)fluoranthene

Concen: 27.884 ng/ul

RT: 23.803 min Scan# 3539

Delta R.T. -0.006 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

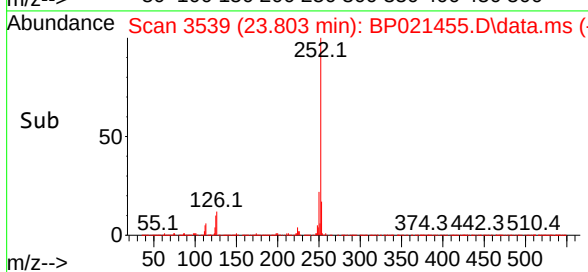
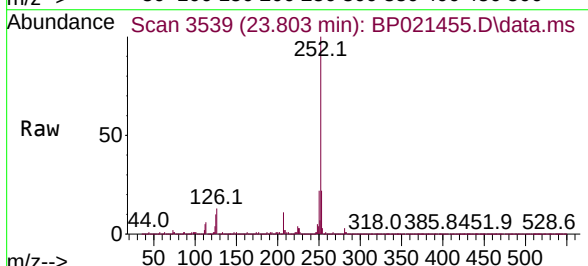
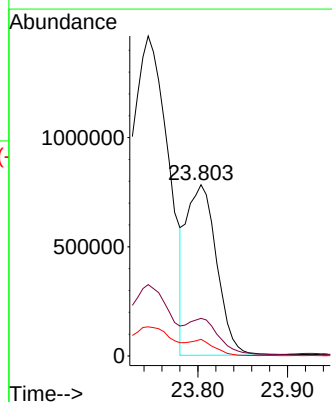
Tgt Ion:252 Resp: 1826729

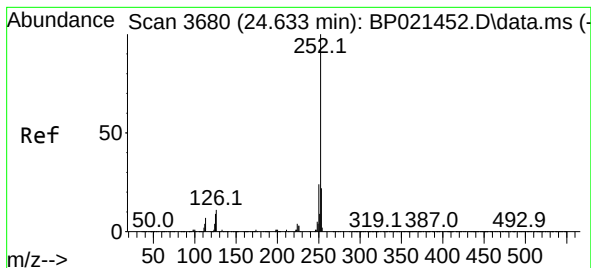
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.7 7.4 11.0





#93

Benzo(a)pyrene

Concen: 38.494 ng/u1

RT: 24.627 min Scan# 30

Delta R.T. -0.006 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

Instrument :

BNA_P

ClientSampleId :

E05Y6

Tgt Ion:252 Resp: 2387900

Ion Ratio Lower Upper

252 100

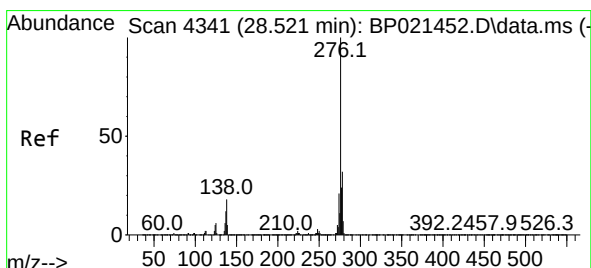
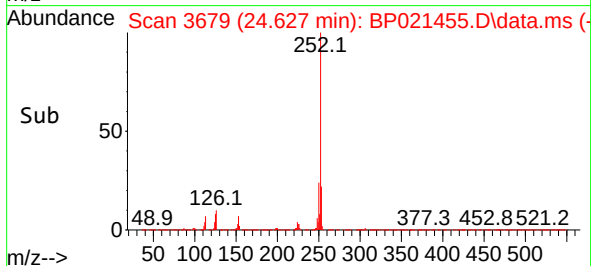
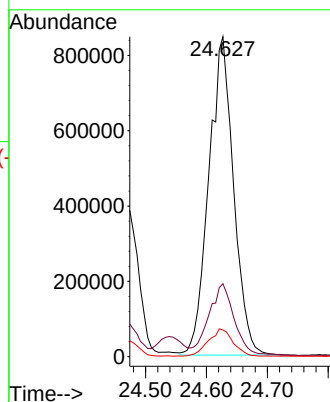
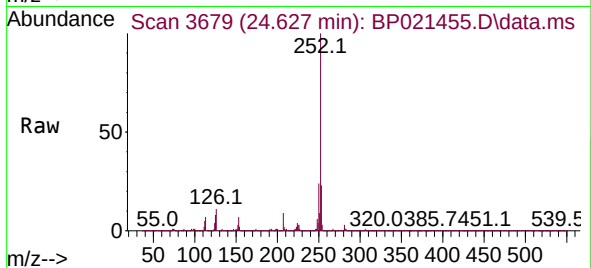
253 22.8 17.4 26.0

125 8.3 7.7 11.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/09/2024
Supervised By :mohammad ahmed 08/12/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 22.590 ng/u1

RT: 28.544 min Scan# 4345

Delta R.T. 0.023 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

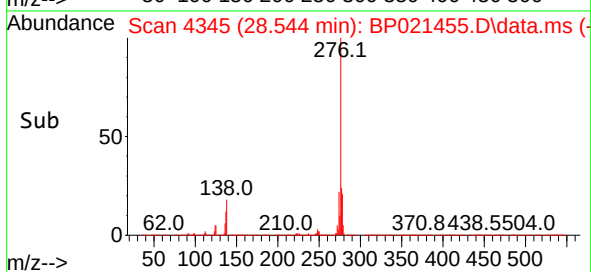
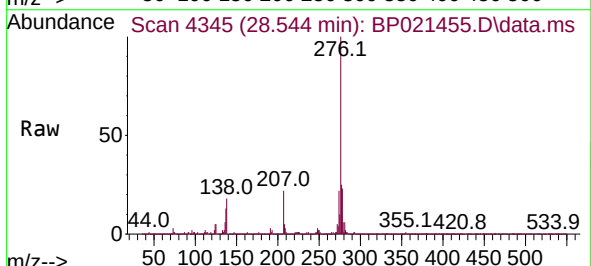
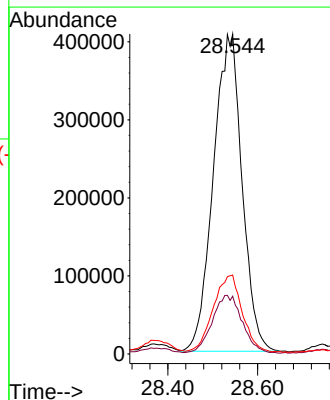
Tgt Ion:276 Resp: 1805745

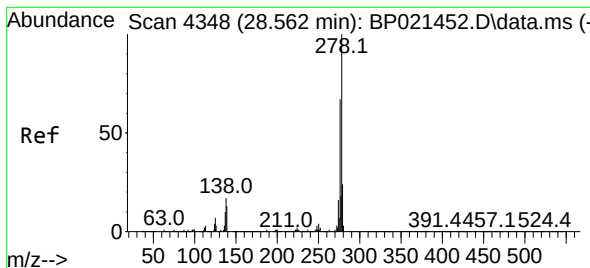
Ion Ratio Lower Upper

276 100

138 18.1 14.3 21.5

277 24.6 19.2 28.8





#95

Dibenzo(a,h)anthracene

Concen: 7.696 ng/ul

RT: 28.556 min Scan# 41

Delta R.T. -0.006 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

Instrument :

BNA_P

ClientSampleId :

E05Y6

Tgt Ion:278 Resp: 509434

Ion Ratio Lower Upper

278 100

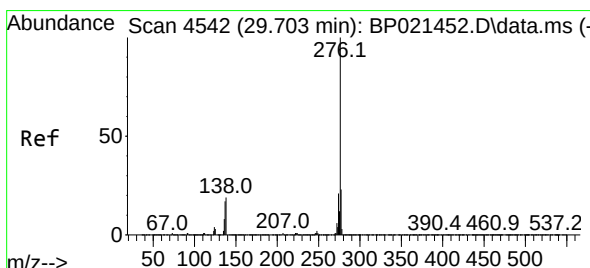
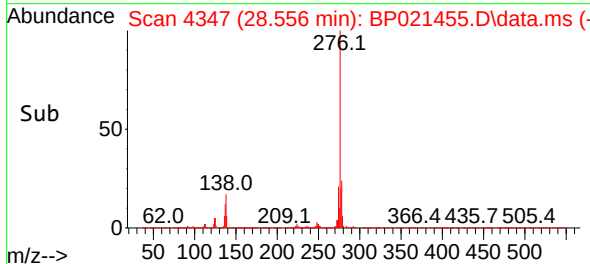
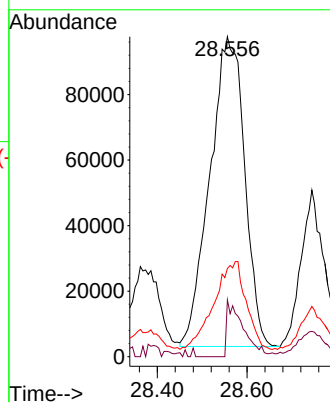
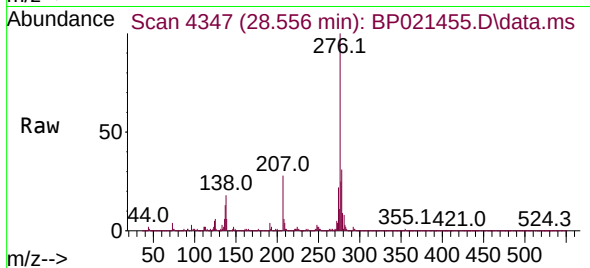
139 17.8 10.9 16.3

279 27.5 19.4 29.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/09/2024
Supervised By :mohammad ahmed 08/12/2024



#96

Benzo(g,h,i)perylene

Concen: 4.502 ng/ul

RT: 29.686 min Scan# 4539

Delta R.T. -0.018 min

Lab File: BP021455.D

Acq: 08 Aug 2024 19:22

Tgt Ion:276 Resp: 293095

Ion Ratio Lower Upper

276 100

138 17.8 15.3 22.9

277 26.5 18.2 27.2

