

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061124\
 Data File : BP020593.D
 Acq On : 11 Jun 2024 18:37
 Operator : MA/JU
 Sample : P2787-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-06072024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/15/2024

Quant Time: Jun 11 19:12:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	308616	20.000	ng	-0.02
21) Naphthalene-d8	10.522	136	1219611	20.000	ng	-0.01
39) Acenaphthene-d10	14.381	164	778755	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1592368	20.000	ng	-0.01
76) Chrysene-d12	21.645	240	1431258	20.000	ng	-0.02
86) Perylene-d12	24.992	264	1671132	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	851848	49.420	ng	0.00
7) Phenol-d6	6.934	99	1110128	45.669	ng	0.00
23) Nitrobenzene-d5	8.893	82	674721	30.284	ng	-0.03
42) 2,4,6-Tribromophenol	15.898	330	484725	59.976	ng	-0.01
45) 2-Fluorobiphenyl	12.987	172	1639045	31.375	ng	-0.02
79) Terphenyl-d14	19.910	244	2542064	29.567	ng	-0.04
Target Compounds						Qvalue
49) Acenaphthylene	14.098	152	134413	2.073	ng	99
52) Acenaphthene	14.440	154	126559	3.095	ng	98
55) Dibenzofuran	14.781	168	139182	2.148	ng	97
58) Fluorene	15.440	166	262892	5.055	ng	99
71) Phenanthrene	17.234	178	2360757	30.159	ng	100
72) Anthracene	17.322	178	700558	9.121	ng	100
73) Carbazole	17.610	167	300647	4.047	ng	99
75) Fluoranthene	19.322	202	3115340	33.641	ng	98
78) Pyrene	19.698	202	2693128	25.016	ng	100
81) Benzo(a)anthracene	21.622	228	1384507	14.691	ng	96
83) Chrysene	21.692	228	1267151m	14.270	ng	
87) Indeno(1,2,3-cd)pyrene	28.798	276	876045	8.621	ng	# 93
88) Benzo(b)fluoranthene	23.939	252	1627025	15.628	ng	97
89) Benzo(k)fluoranthene	24.004	252	626824m	6.173	ng	
90) Benzo(a)pyrene	24.833	252	1278361	14.827	ng	97
91) Dibenzo(a,h)anthracene	28.880	278	220456m	2.601	ng	
92) Benzo(g,h,i)perylene	29.992	276	808324	9.541	ng	98

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

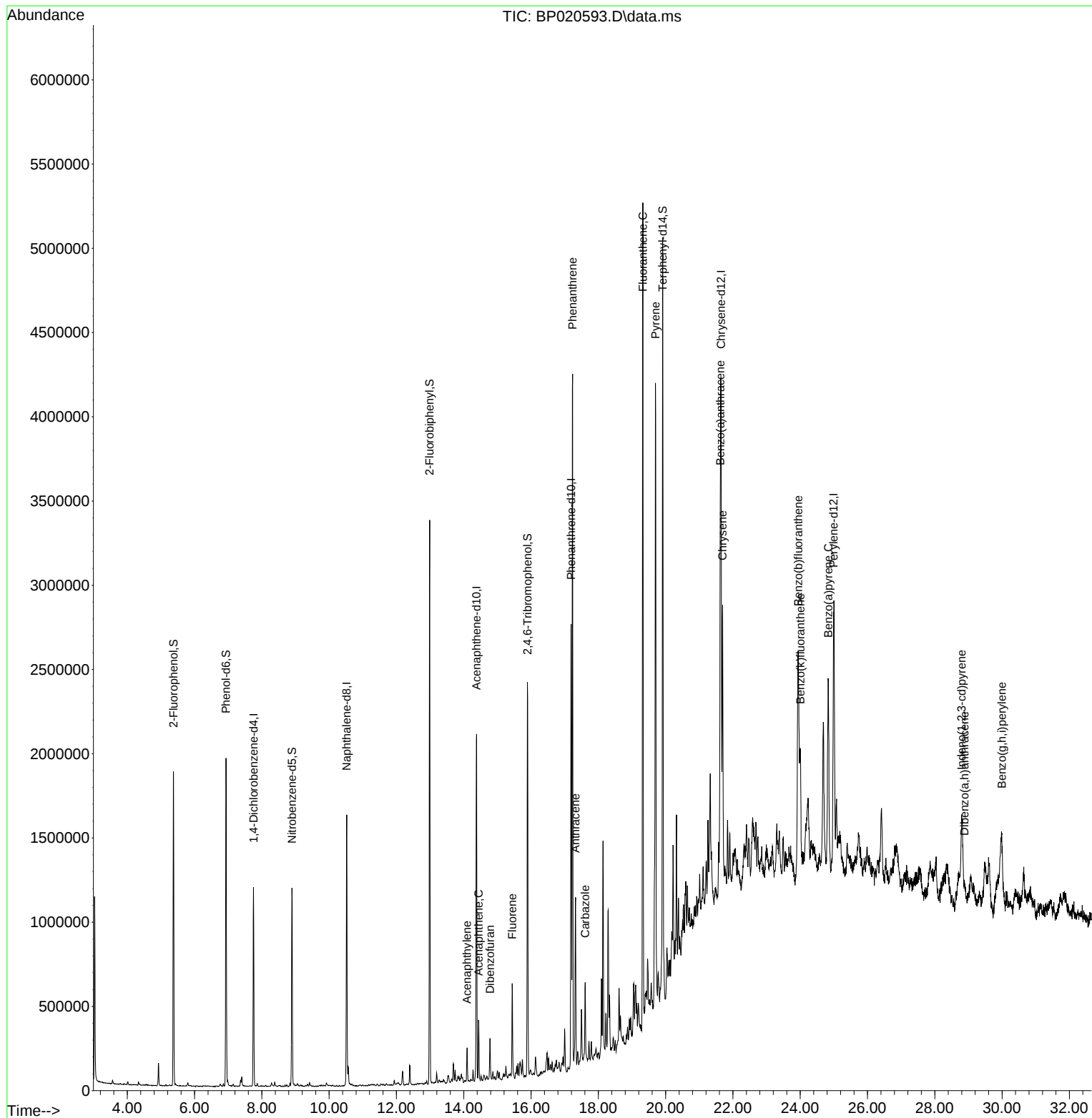
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061124\
Data File : BP020593.D
Acq On : 11 Jun 2024 18:37
Operator : MA/JU
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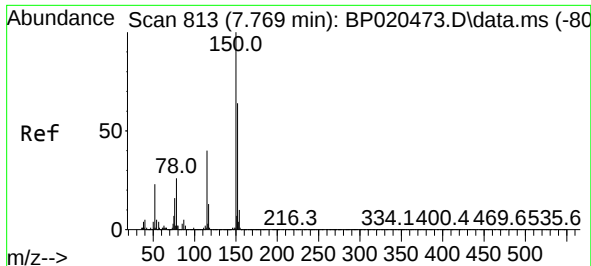
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

Quant Time: Jun 11 19:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 30 03:41:03 2024
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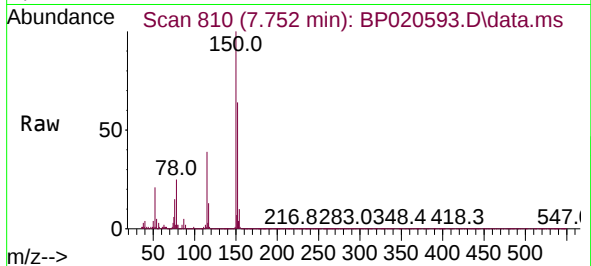
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 813
Delta R.T. -0.017 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

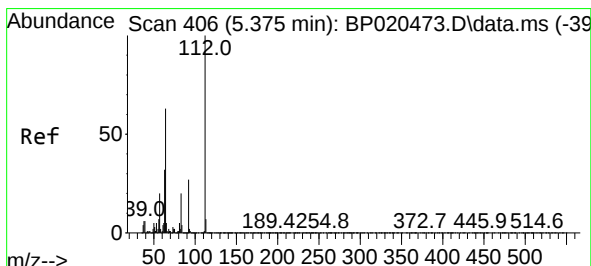
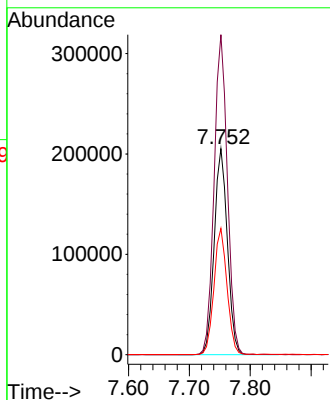
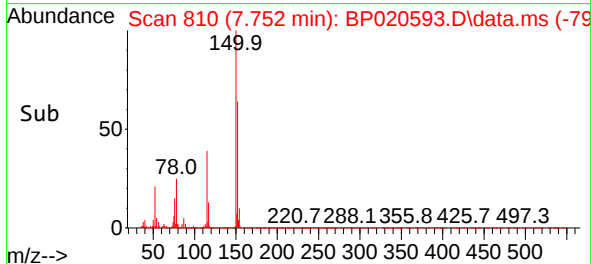
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024



Tgt Ion:152 Resp: 308610
Ion Ratio Lower Upper
152 100
150 155.3 124.2 186.2
115 61.3 49.5 74.3

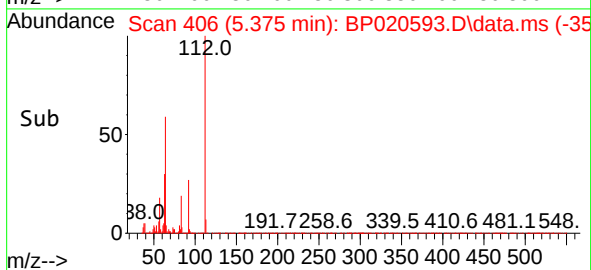
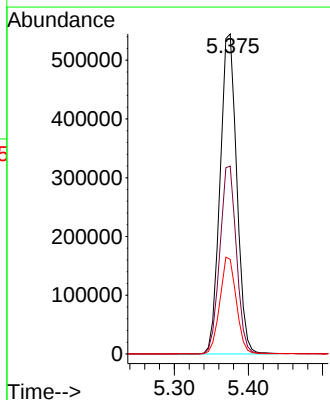
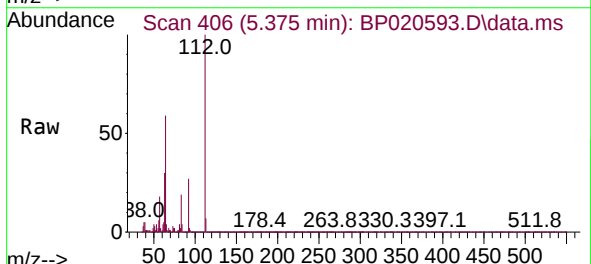
Manual Integrations
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Supervised By :mohammad ahmed 06/15/2024



#5
2-Fluorophenol
Concen: 49.420 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

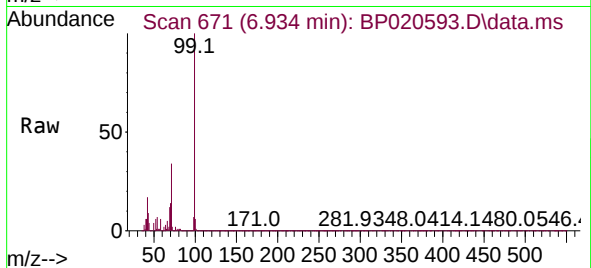
Tgt Ion:112 Resp: 851848
Ion Ratio Lower Upper
112 100
64 58.7 50.1 75.1
63 29.6 25.7 38.5





#7
Phenol-d6
Concen: 45.669 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

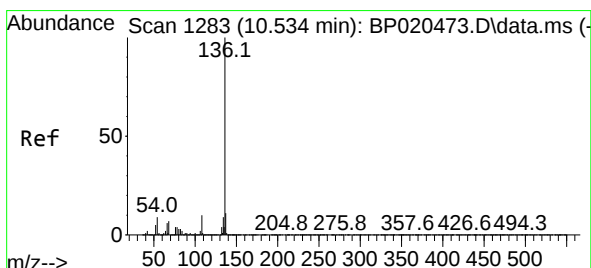
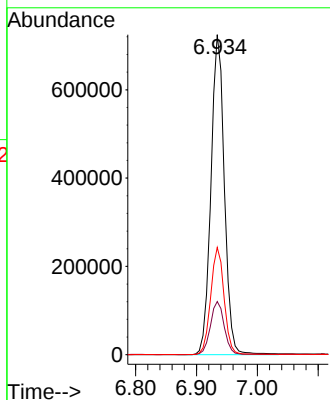
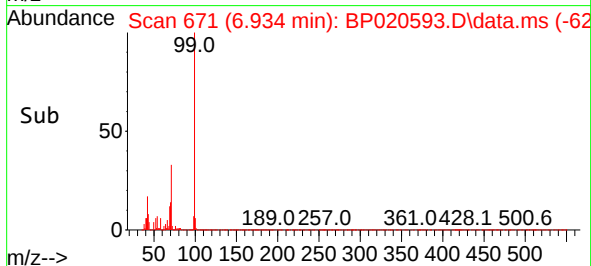
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BNA_P
ClientSampleId :
SU-04-06072024



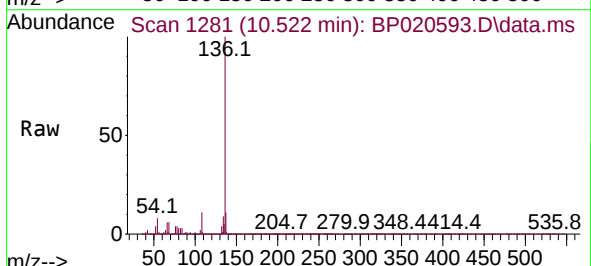
Tgt Ion: 99 Resp: 1110128
Ion Ratio Lower Upper
99 100
42 16.6 15.0 22.4
71 33.5 27.3 40.9

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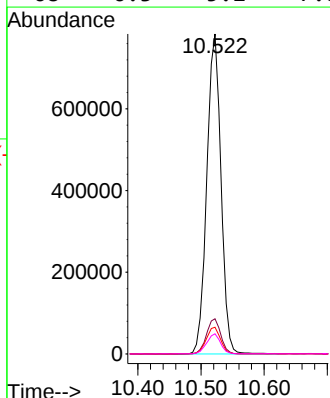
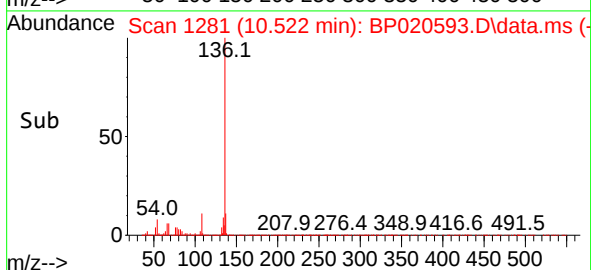
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024

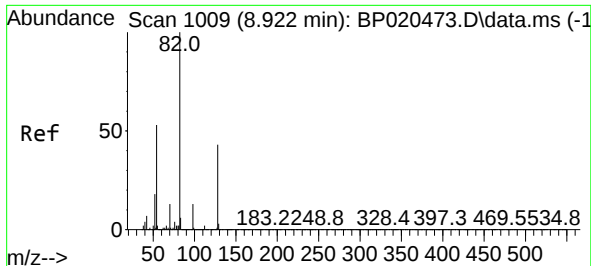


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37



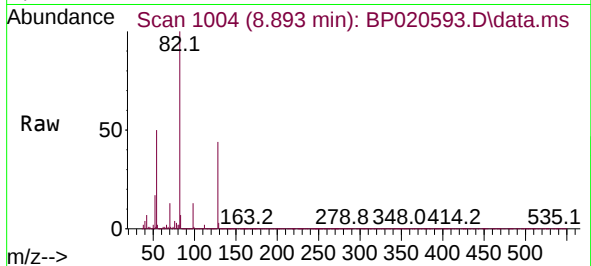
Tgt Ion:136 Resp: 1219611
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.3 7.4 11.0
68 6.3 5.2 7.8





#23
Nitrobenzene-d5
Concen: 30.284 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.029 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

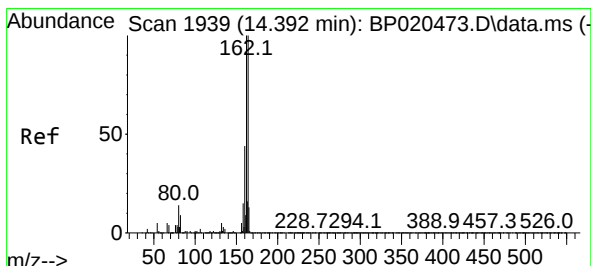
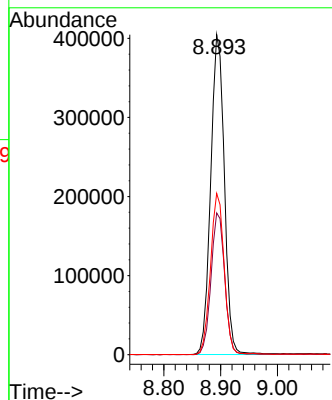
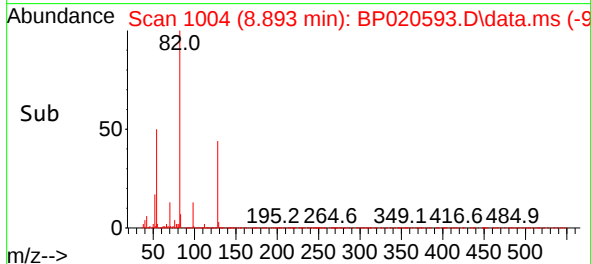
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024



Tgt Ion: 82 Resp: 67472
Ion Ratio Lower Upper
82 100
128 44.3 34.2 51.4
54 50.4 42.7 64.1

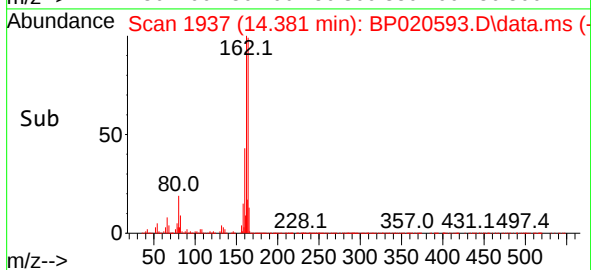
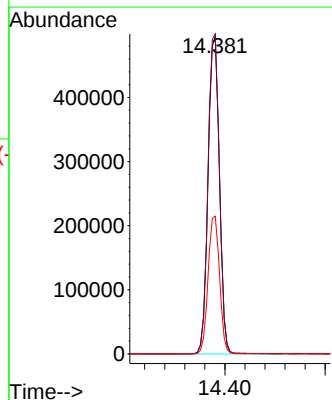
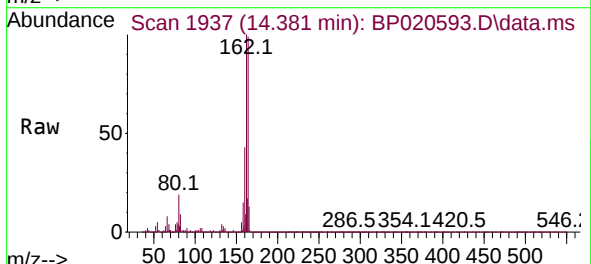
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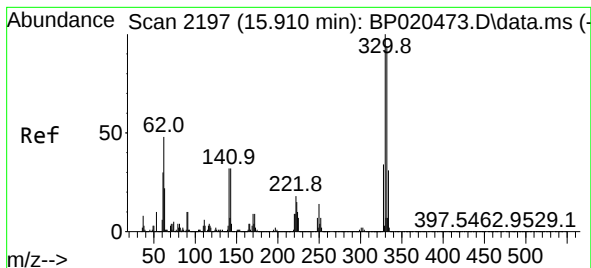
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

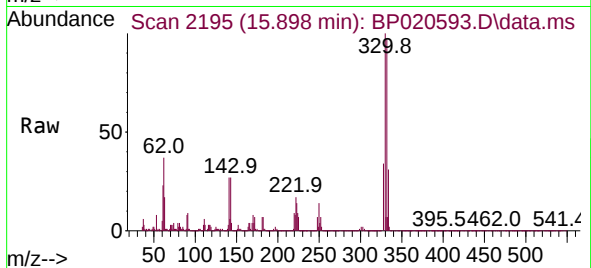
Tgt Ion:164 Resp: 778755
Ion Ratio Lower Upper
164 100
162 100.9 80.3 120.5
160 43.4 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 59.976 ng
RT: 15.898 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

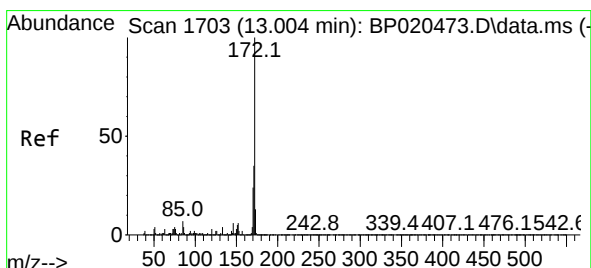
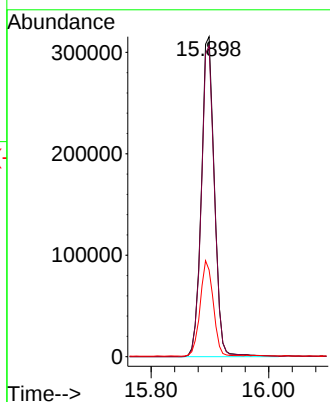
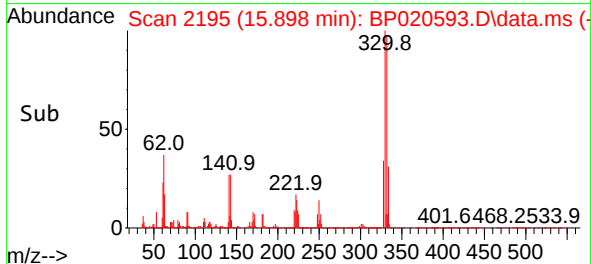
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024



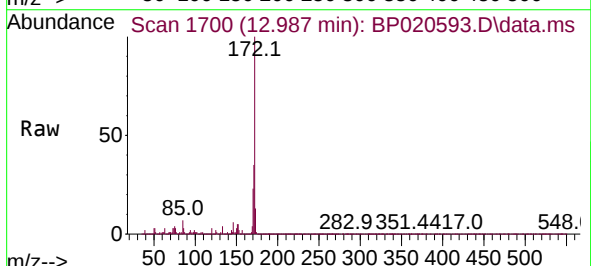
Tgt Ion:330 Resp: 484725
Ion Ratio Lower Upper
330 100
332 97.5 76.6 114.8
141 29.9 27.1 40.7

Manual Integrations
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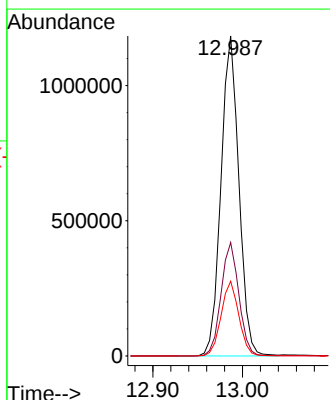
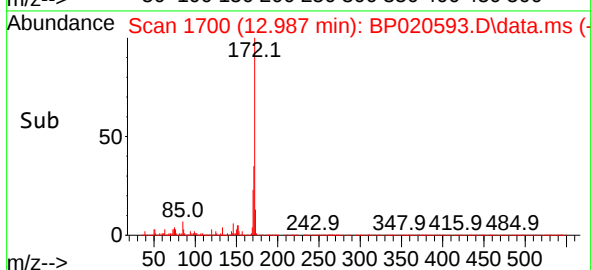
Reviewed By :Jagrut Upadhyay 06/12/2024
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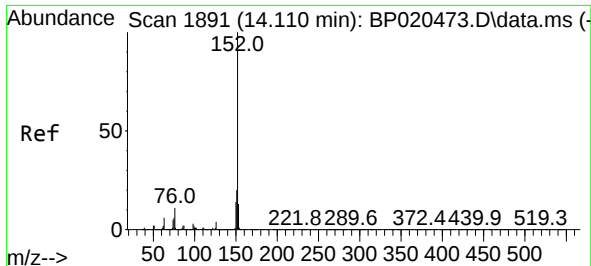


#45
2-Fluorobiphenyl
Concen: 31.375 ng
RT: 12.987 min Scan# 1700
Delta R.T. -0.018 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37



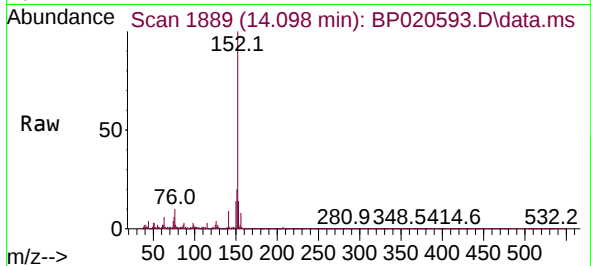
Tgt Ion:172 Resp: 1639045
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.3 18.9 28.3





#49
Acenaphthylene
Concen: 2.073 ng
RT: 14.098 min Scan# 1889
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

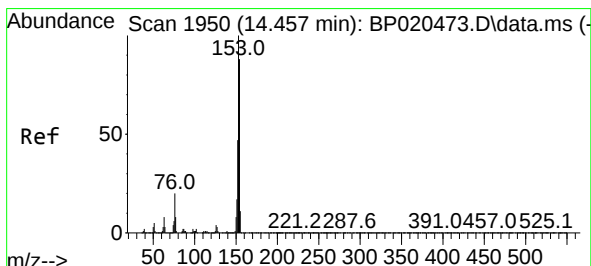
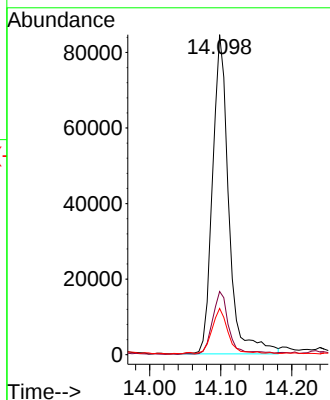
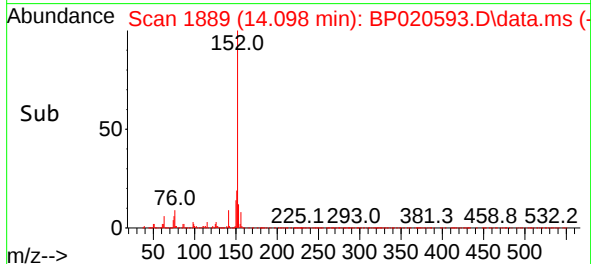
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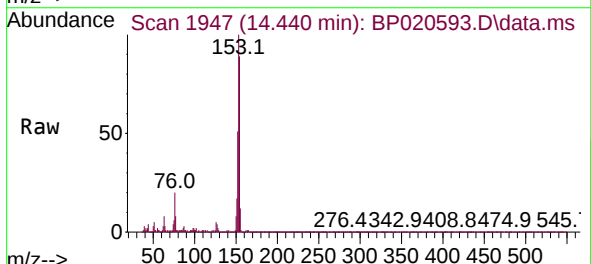
Tgt Ion:152 Resp: 13441
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 14.5 10.6 15.8

Manual Integrations
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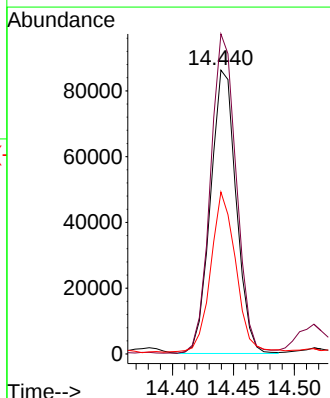
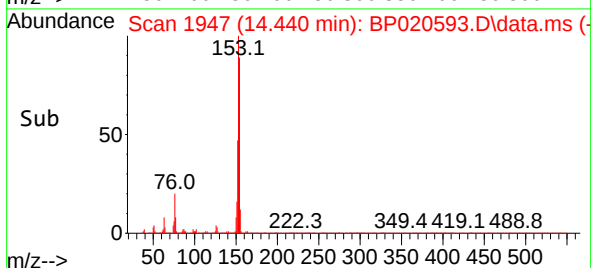
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024

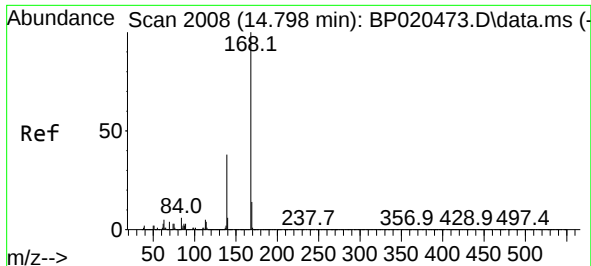


#52
Acenaphthene
Concen: 3.095 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37



Tgt Ion:154 Resp: 126559
Ion Ratio Lower Upper
154 100
153 112.7 90.6 136.0
152 57.1 42.6 63.8





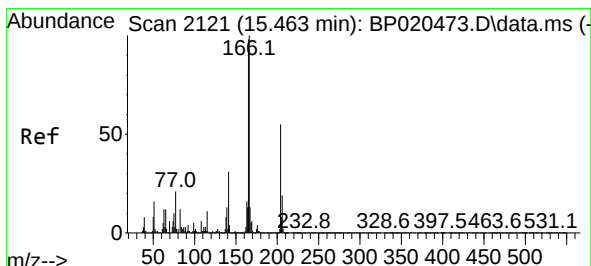
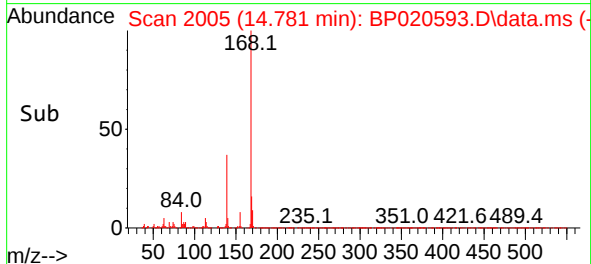
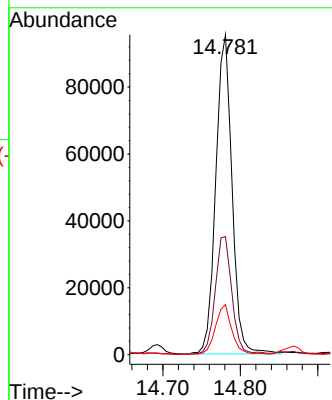
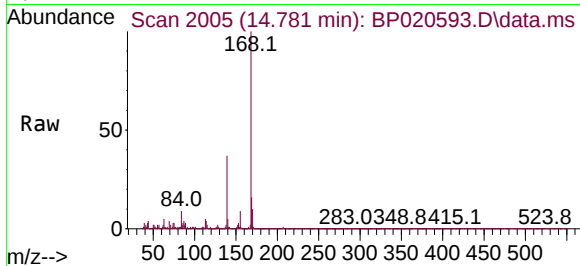
#55
Dibenzenofuran
Concen: 2.148 ng
RT: 14.781 min Scan# 2005
Delta R.T. -0.018 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

Tgt Ion:168 Resp: 13918
Ion Ratio Lower Upper
168 100
139 36.9 30.4 45.6
169 15.7 11.0 16.4

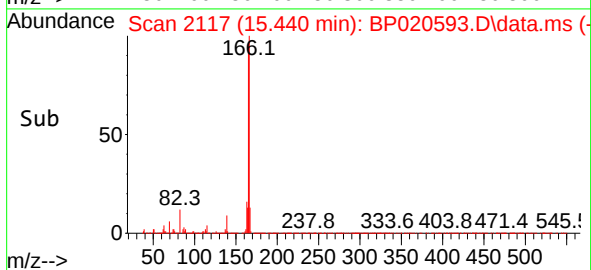
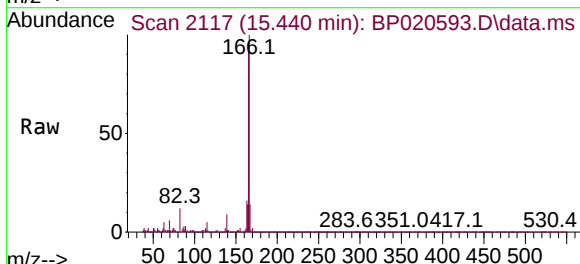
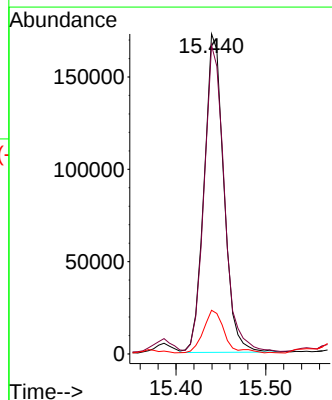
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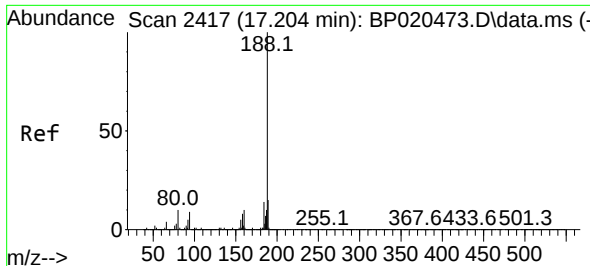
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024



#58
Fluorene
Concen: 5.055 ng
RT: 15.440 min Scan# 2117
Delta R.T. -0.023 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:166 Resp: 262892
Ion Ratio Lower Upper
166 100
165 96.5 78.2 117.4
167 13.7 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

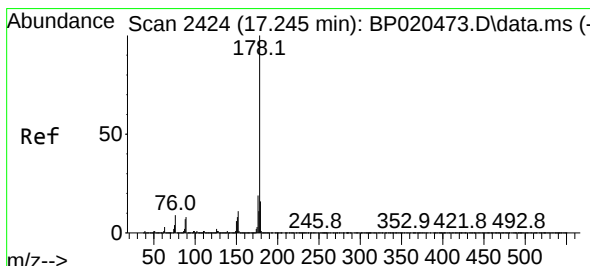
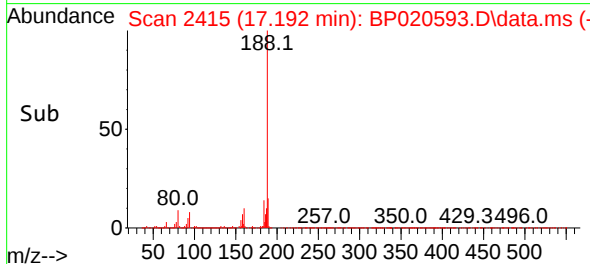
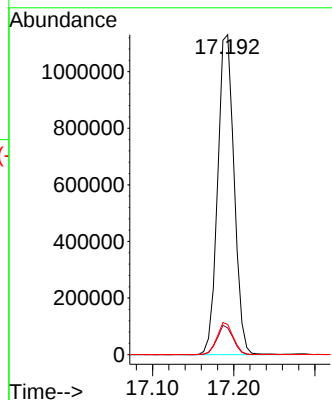
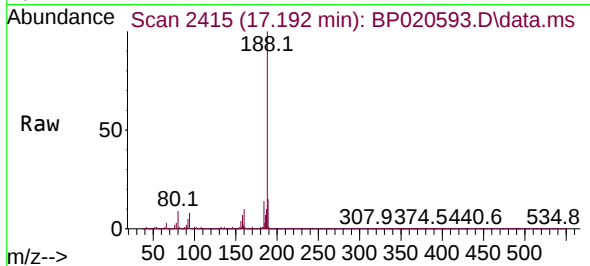
SU-04-06072024

Tgt Ion:188 Resp: 1592368
Ion Ratio Lower Upper
188 100
94 8.3 7.2 10.8
80 9.5 8.1 12.1

Manual Integrations

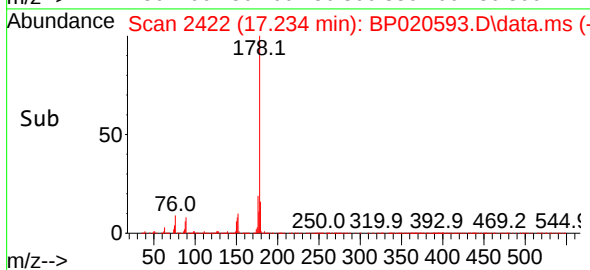
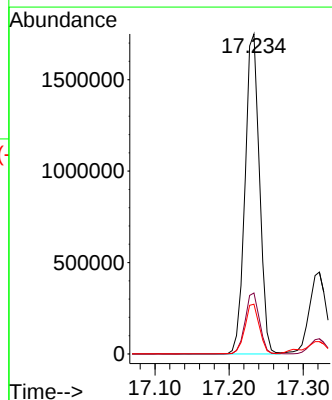
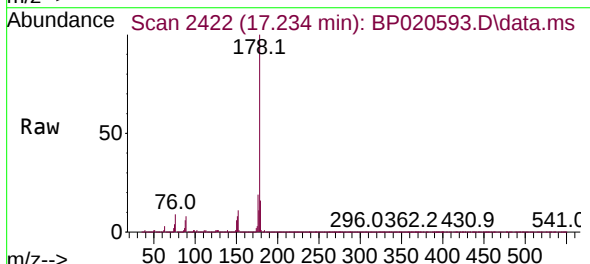
APPROVED

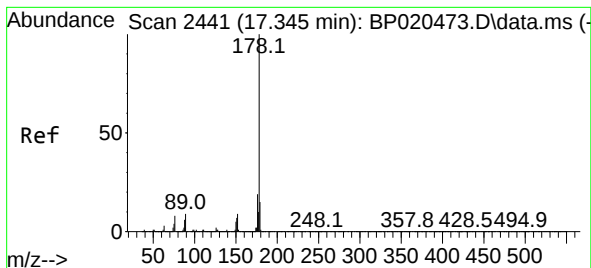
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024



#71
Phenanthrene
Concen: 30.159 ng
RT: 17.234 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:178 Resp: 2360757
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.6 12.5 18.7





#72

Anthracene

Concen: 9.121 ng

RT: 17.322 min Scan# 2441

Delta R.T. -0.023 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

Tgt Ion:178 Resp: 700558

Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

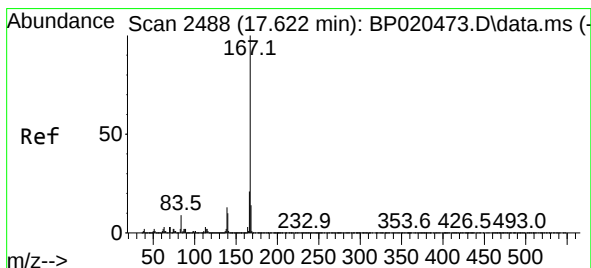
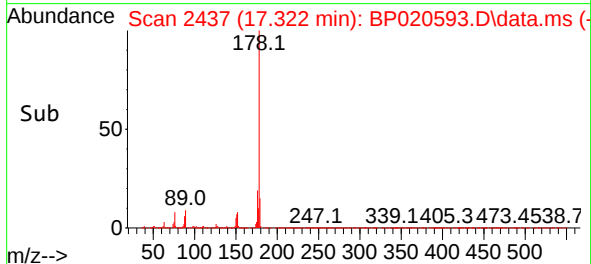
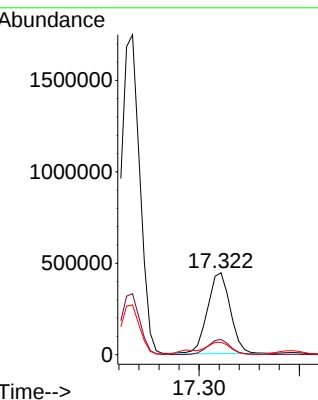
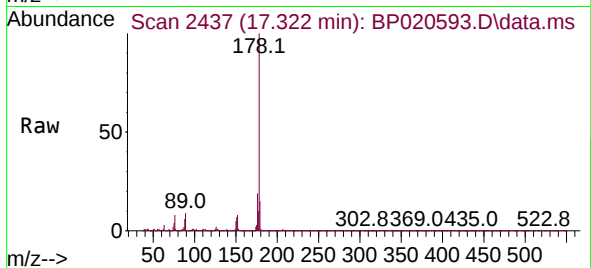
179 15.1 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024

Supervised By :mohammad ahmed 06/15/2024



#73

Carbazole

Concen: 4.047 ng

RT: 17.610 min Scan# 2486

Delta R.T. -0.012 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

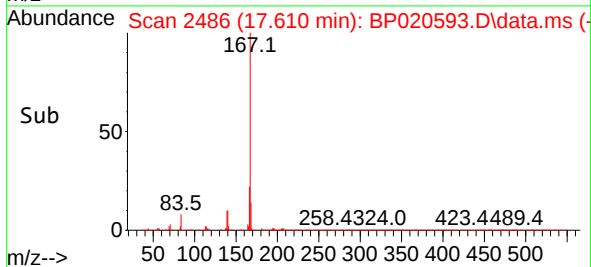
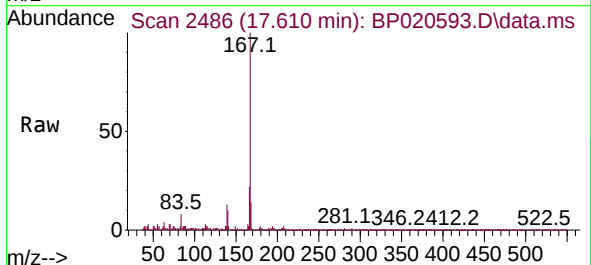
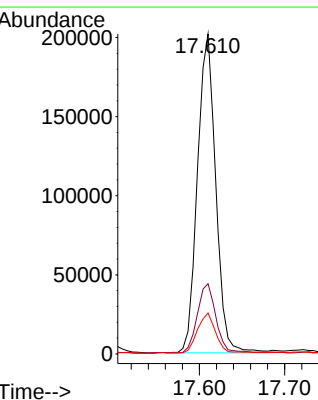
Tgt Ion:167 Resp: 300647

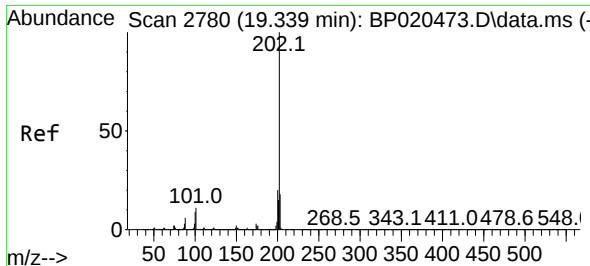
Ion Ratio Lower Upper

167 100

166 22.0 17.1 25.7

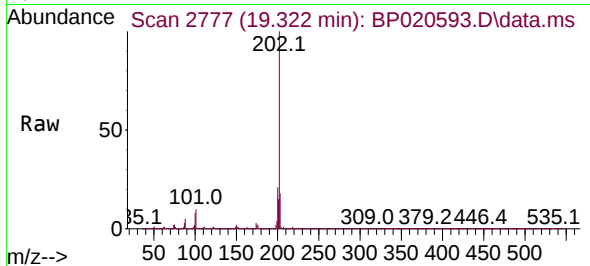
139 12.8 10.5 15.7





#75
Fluoranthene
Concen: 33.641 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

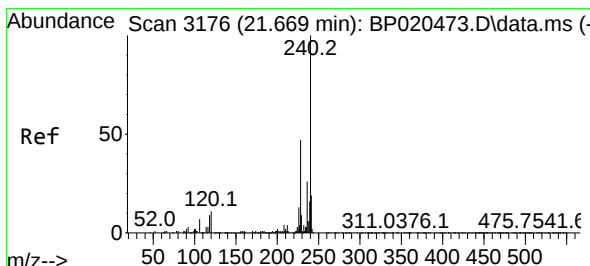
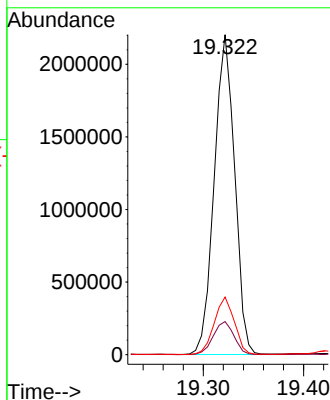
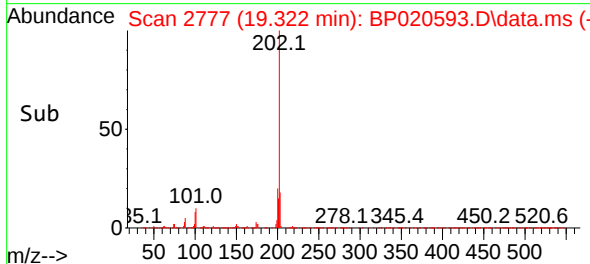
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024



Tgt Ion:202 Resp: 3115340
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.4
203 18.0 0.0 37.7

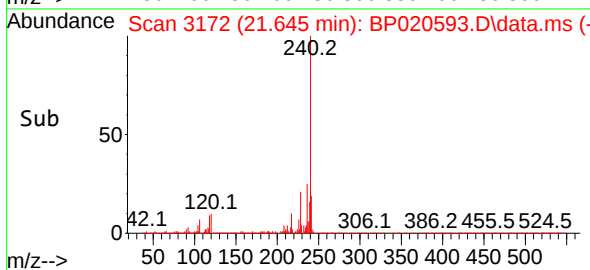
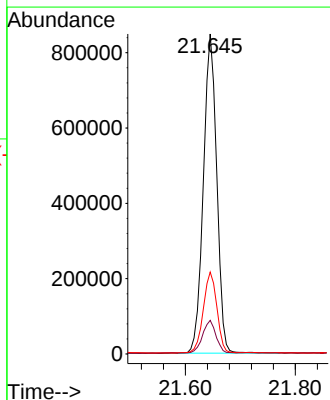
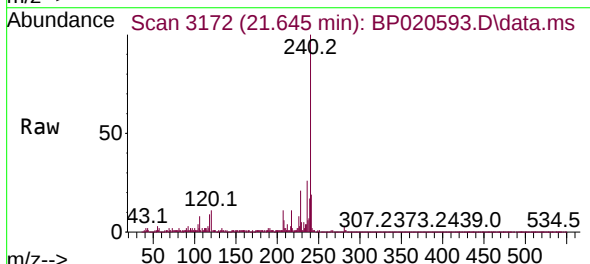
Manual Integrations
APPROVED

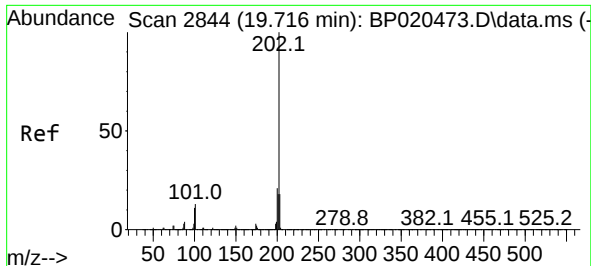
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3172
Delta R.T. -0.023 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

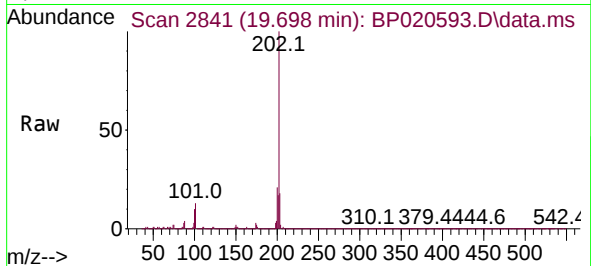
Tgt Ion:240 Resp: 1431258
Ion Ratio Lower Upper
240 100
120 10.5 8.5 12.7
236 25.6 20.5 30.7





#78
Pyrene
Concen: 25.016 ng
RT: 19.698 min Scan# 2841
Delta R.T. -0.018 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

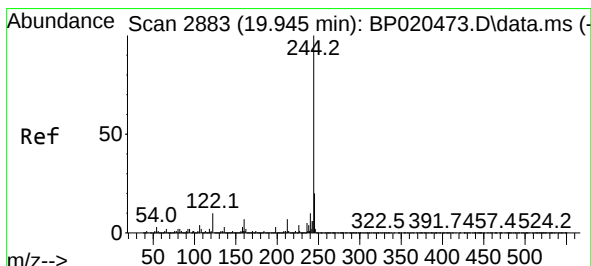
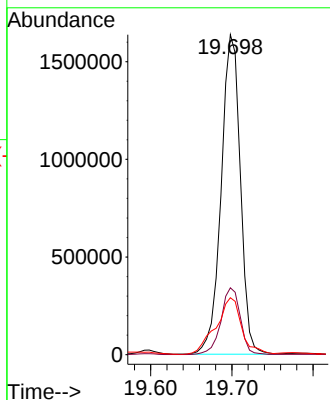
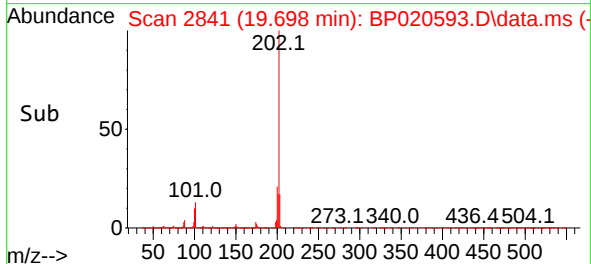
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024



Tgt Ion: 202 Resp: 2693128
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.8 14.1 21.1

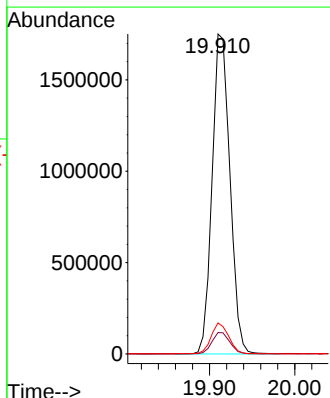
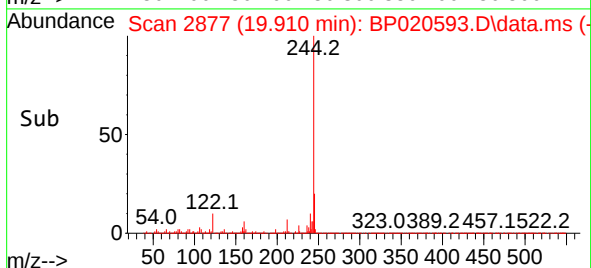
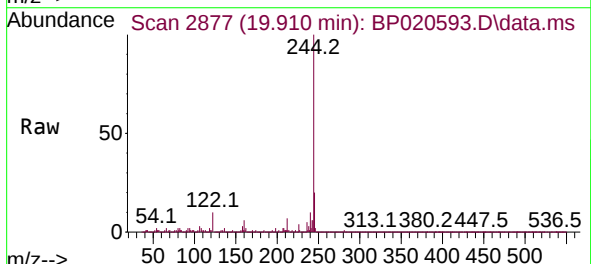
Manual Integrations
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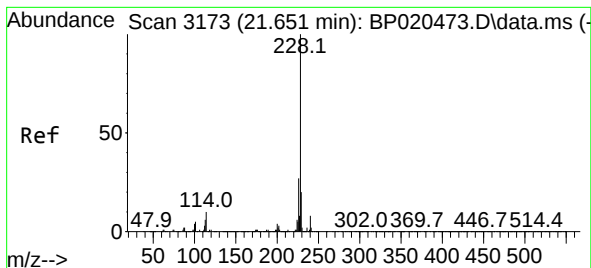
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024



#79
Terphenyl-d14
Concen: 29.567 ng
RT: 19.910 min Scan# 2877
Delta R.T. -0.035 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion: 244 Resp: 2542064
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.8
122 9.7 8.2 12.2





#81

Benzo(a)anthracene

Concen: 14.691 ng

RT: 21.622 min Scan# 3173

Delta R.T. -0.029 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

Tgt Ion:228 Resp: 138450

Ion Ratio Lower Upper

228 100

226 29.5 21.7 32.5

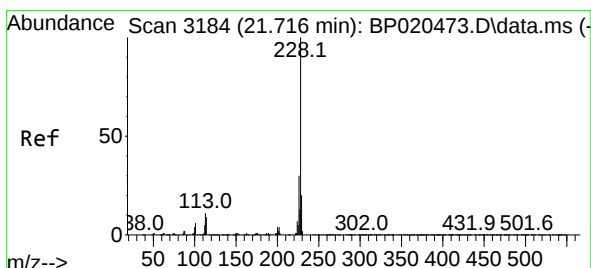
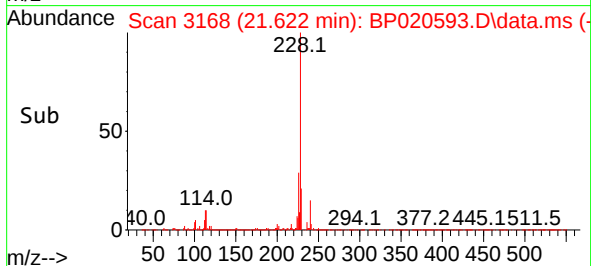
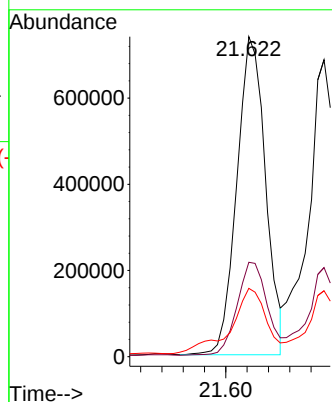
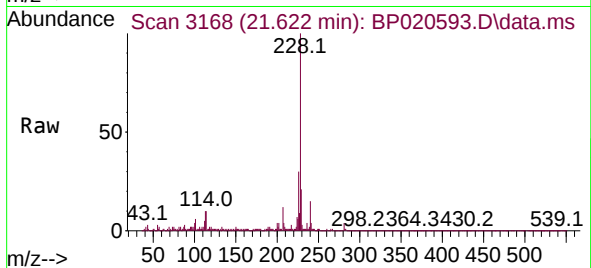
229 21.4 15.8 23.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/12/2024

Supervised By :mohammad ahmed 06/15/2024



#83

Chrysene

Concen: 14.270 ng m

RT: 21.692 min Scan# 3180

Delta R.T. -0.023 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

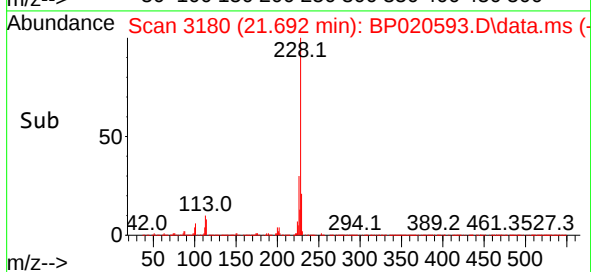
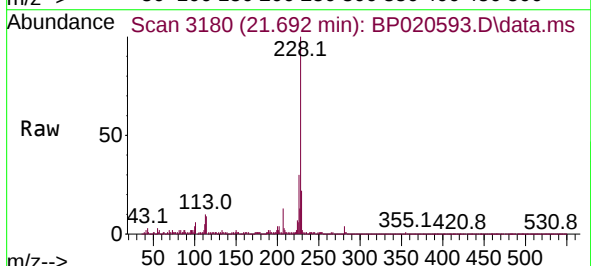
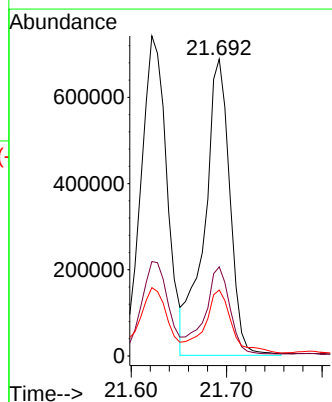
Tgt Ion:228 Resp: 1267151

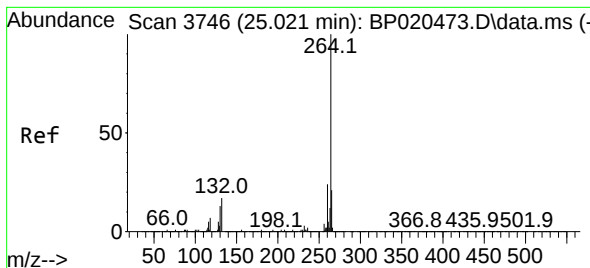
Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 22.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.992 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

Tgt Ion:264 Resp: 167113

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

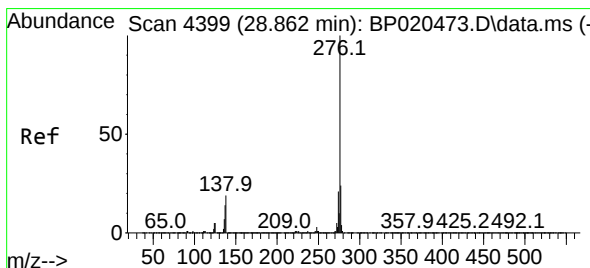
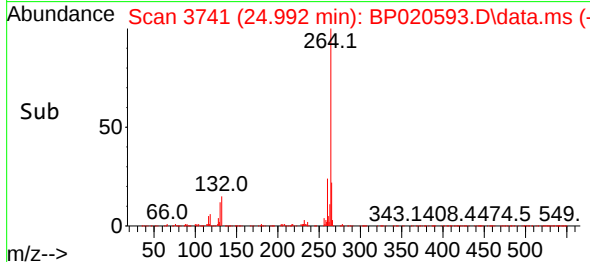
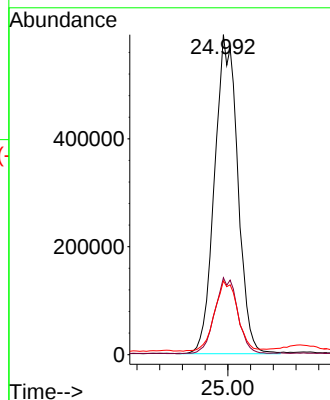
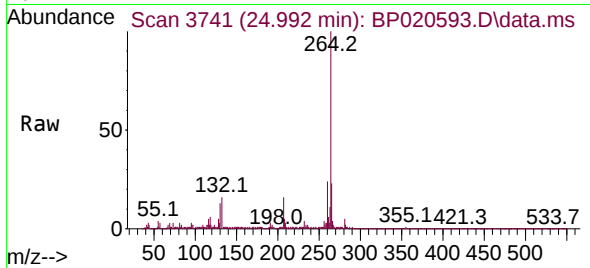
265 23.1 17.4 26.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/12/2024

Supervised By :mohammad ahmed 06/15/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.621 ng

RT: 28.798 min Scan# 4388

Delta R.T. -0.065 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

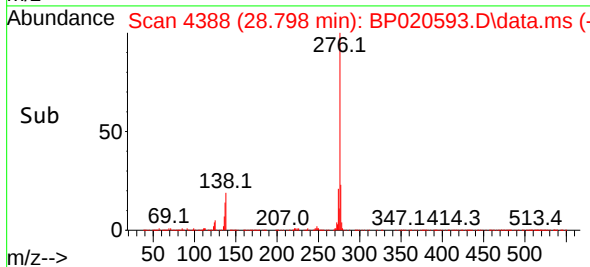
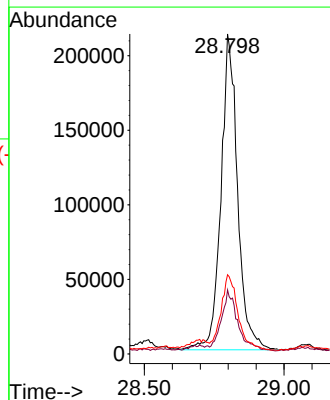
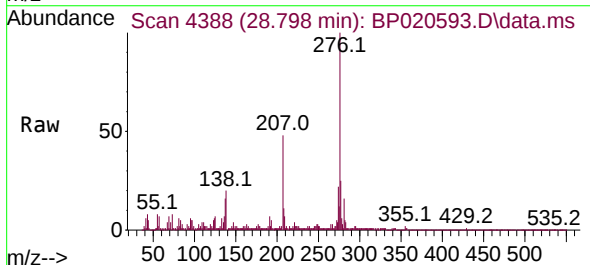
Tgt Ion:276 Resp: 876045

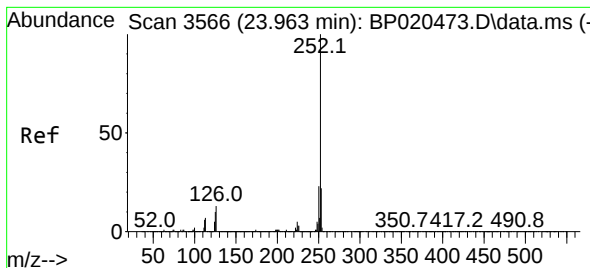
Ion Ratio Lower Upper

276 100

138 17.6 12.8 19.2

277 24.3 15.6 23.4#





#88

Benzo(b)fluoranthene

Concen: 15.628 ng

RT: 23.939 min Scan# 3562

Delta R.T. -0.023 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

Tgt Ion:252 Resp: 162702

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

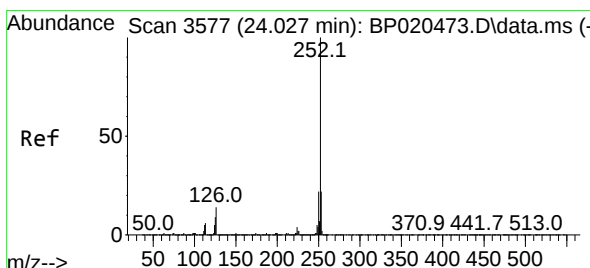
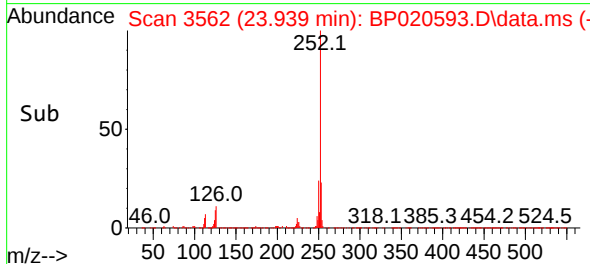
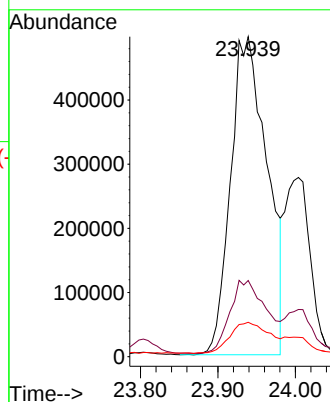
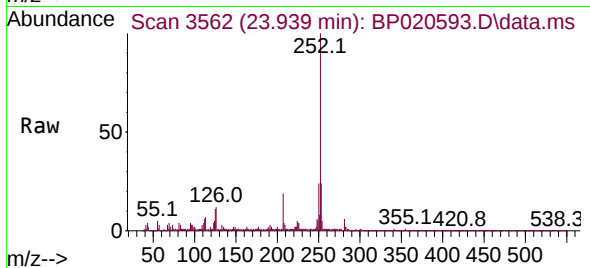
125 10.8 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024

Supervised By :mohammad ahmed 06/15/2024



#89

Benzo(k)fluoranthene

Concen: 6.173 ng m

RT: 24.004 min Scan# 3573

Delta R.T. -0.023 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

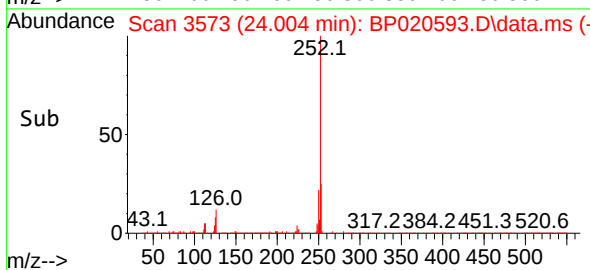
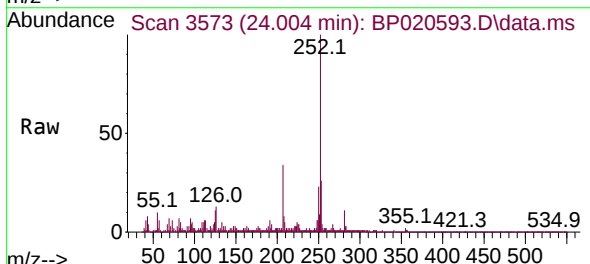
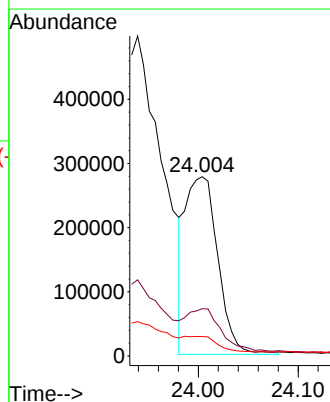
Tgt Ion:252 Resp: 626824

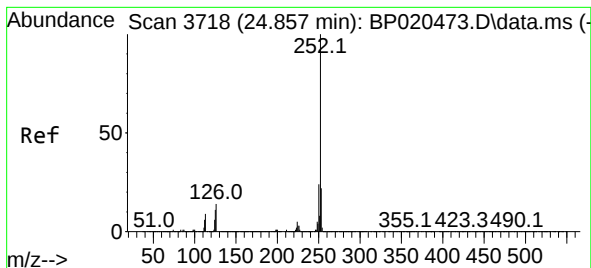
Ion Ratio Lower Upper

252 100

253 26.3 17.7 26.5

125 10.8 7.8 11.6





#90

Benzo(a)pyrene

Concen: 14.827 ng

RT: 24.833 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

Tgt Ion:252 Resp: 127836

Ion Ratio Lower Upper

252 100

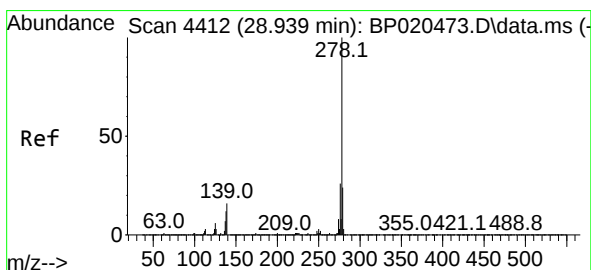
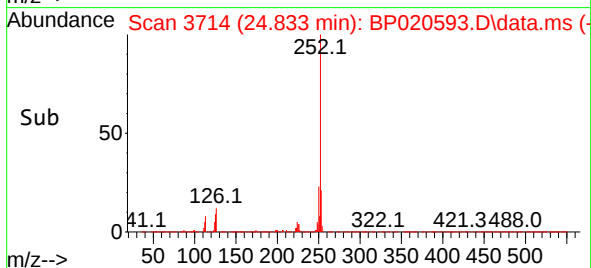
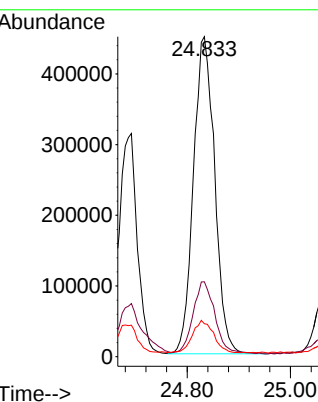
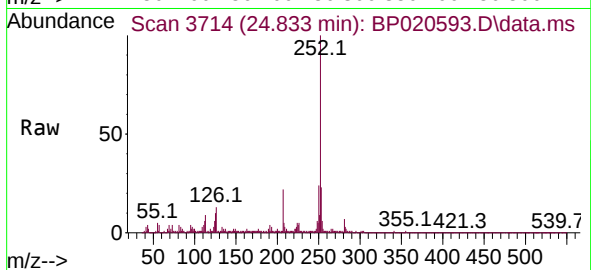
253 23.4 17.4 26.2

125 10.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.601 ng m

RT: 28.880 min Scan# 4402

Delta R.T. -0.059 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

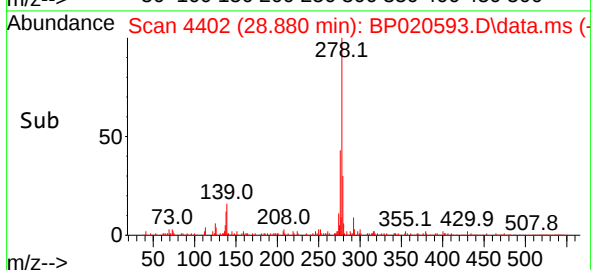
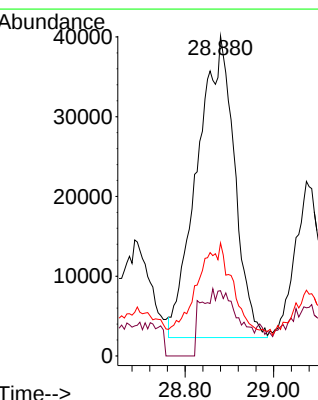
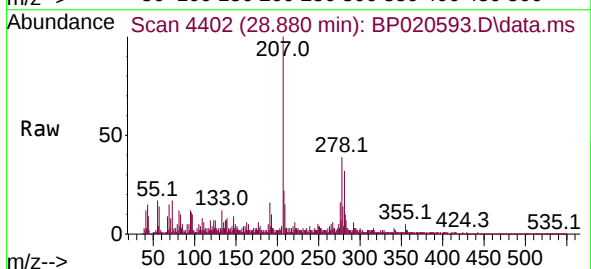
Tgt Ion:278 Resp: 220456

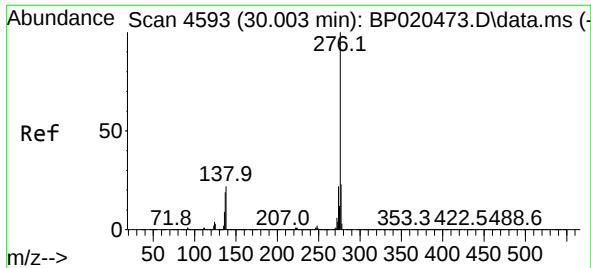
Ion Ratio Lower Upper

278 100

139 20.4 13.0 19.4#

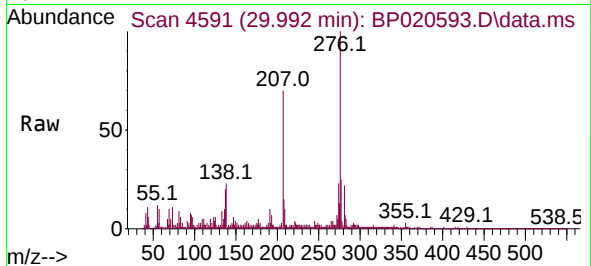
279 35.3 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 9.541 ng
RT: 29.992 min Scan# 41
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Instrument :
BNA_P
ClientSampleId :
SU-04-06072024



Tgt Ion:276 Resp: 808324
Ion Ratio Lower Upper
276 100
277 25.3 18.7 28.1
138 22.5 17.7 26.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024

