

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
 Data File : BP021572.D
 Acq On : 20 Aug 2024 14:25
 Operator : RC/JU
 Sample : P3519-03RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-17-080724RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 20 15:25:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	390276	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1600137	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1017042	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2211502	20.000	ng	0.01
76) Chrysene-d12	21.733	240	2111862	20.000	ng	0.04
86) Perylene-d12	25.174	264	2511747	20.000	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	1995824	75.934	ng	0.01
7) Phenol-d6	6.969	99	2810162	73.292	ng	0.00
23) Nitrobenzene-d5	8.951	82	1684400	54.333	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	989976	87.459	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	2737211	41.074	ng	0.00
79) Terphenyl-d14	19.992	244	4104451	37.757	ng	0.02
Target Compounds						Qvalue
60) Diethylphthalate	15.298	149	158790m	2.272	ng	
71) Phenanthrene	17.310	178	1002035	9.422	ng	99
72) Anthracene	17.404	178	262664	2.518	ng	99
74) Di-n-butylphthalate	18.286	149	433686	3.513	ng	100
75) Fluoranthene	19.392	202	1746659	13.385	ng	98
78) Pyrene	19.769	202	1545851	11.199	ng	99
81) Benzo(a)anthracene	21.715	228	780442	5.887	ng	96
83) Chrysene	21.780	228	756795	6.046	ng	97
84) Bis(2-ethylhexyl)phtha...	21.663	149	210229	2.683	ng	99
87) Indeno(1,2,3-cd)pyrene	29.080	276	512908	3.150	ng	# 90
88) Benzo(b)fluoranthene	24.080	252	1030064	7.141	ng	96
89) Benzo(k)fluoranthene	24.145	252	339349m	2.411	ng	
90) Benzo(a)pyrene	24.992	252	773648	6.180	ng	# 96
92) Benzo(g,h,i)perylene	30.280	276	486567	3.589	ng	99

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

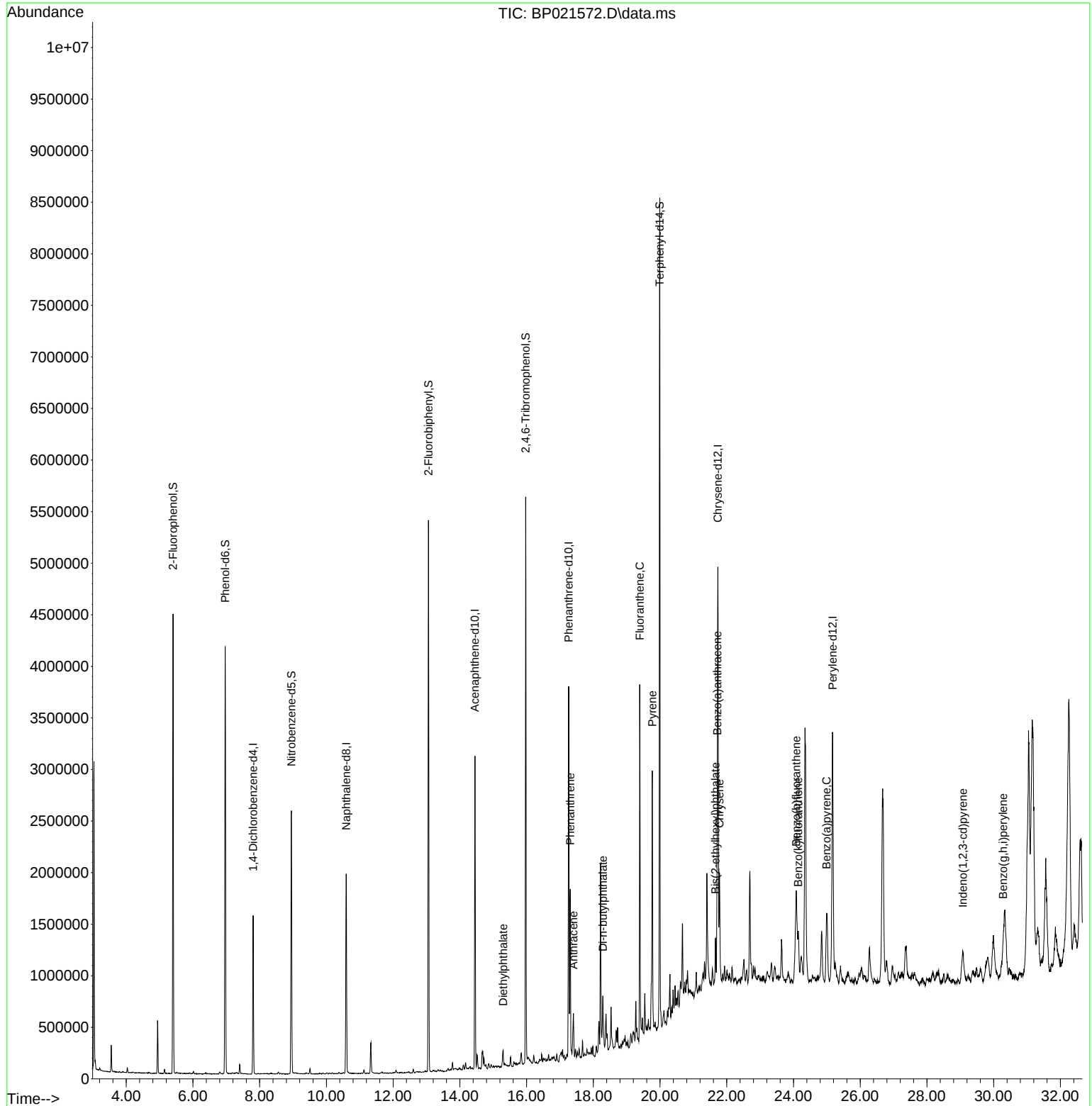
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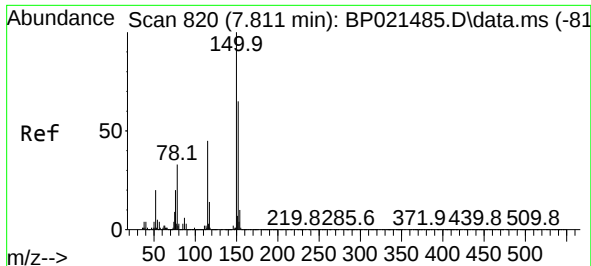
Instrument :
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Quant Time: Aug 20 15:25:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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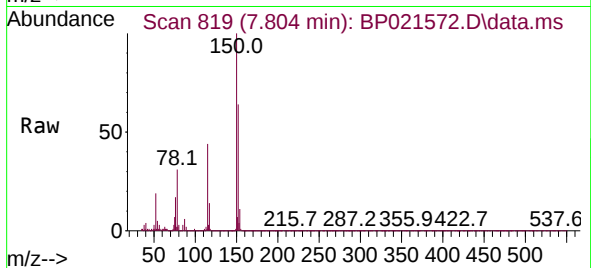
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

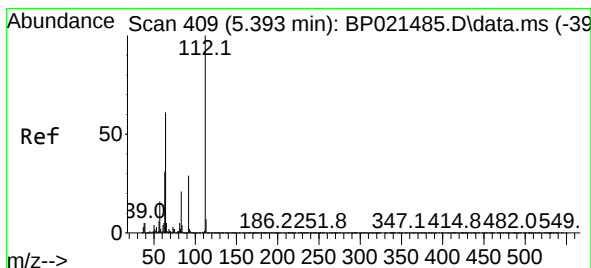
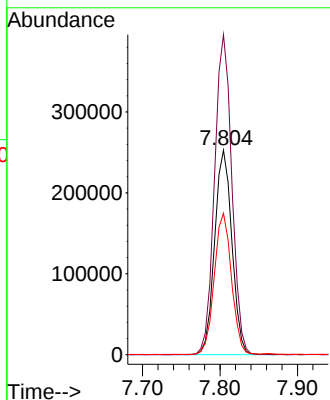
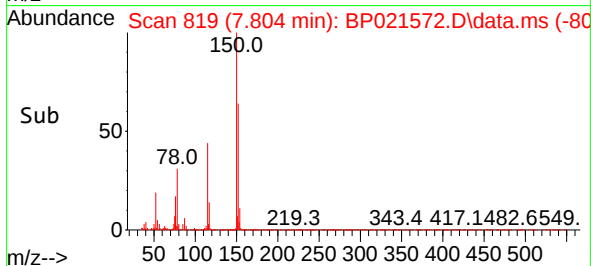
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



Tgt Ion:152 Resp: 390270
Ion Ratio Lower Upper
152 100
150 156.5 122.4 183.6
115 69.2 54.7 82.1

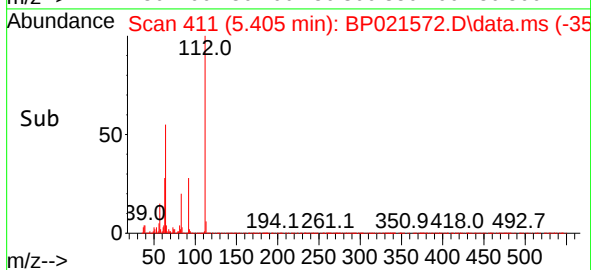
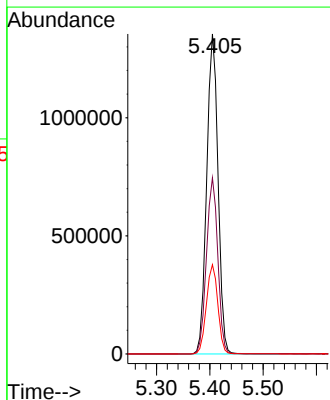
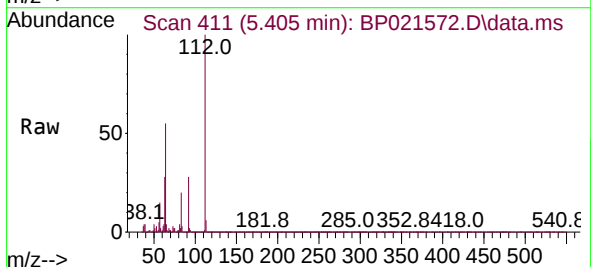
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#5
2-Fluorophenol
Concen: 75.934 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

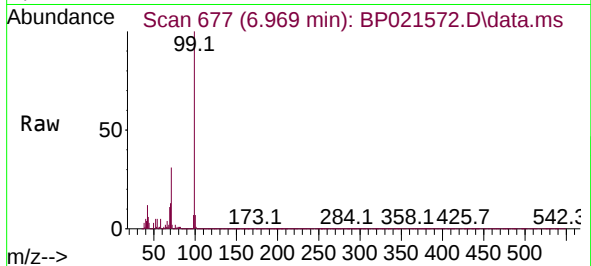
Tgt Ion:112 Resp: 1995824
Ion Ratio Lower Upper
112 100
64 55.1 49.0 73.6
63 27.9 24.6 36.8





#7
Phenol-d6
Concen: 73.292 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

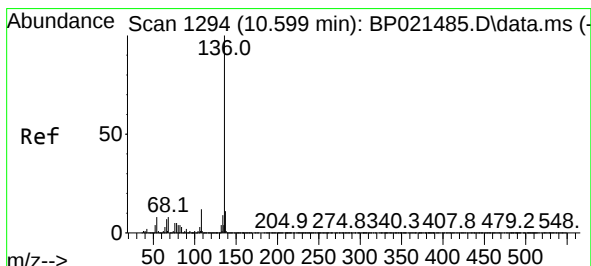
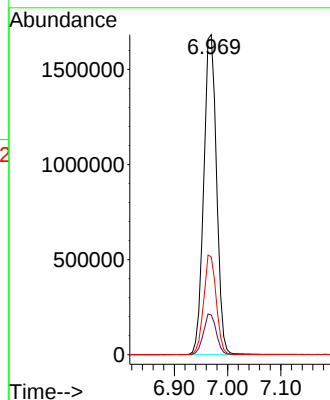
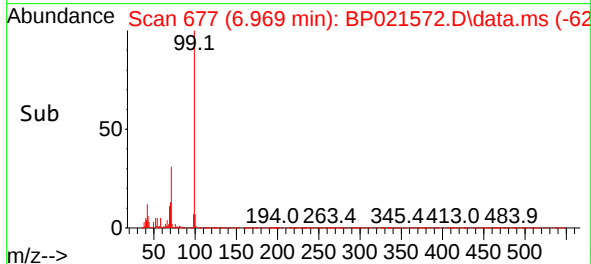
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



Tgt Ion: 99 Resp: 281016
Ion Ratio Lower Upper
99 100
42 12.4 10.2 15.4
71 30.6 25.8 38.8

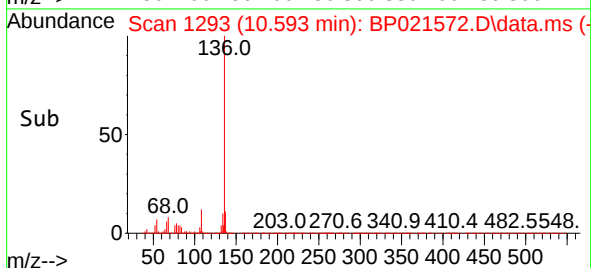
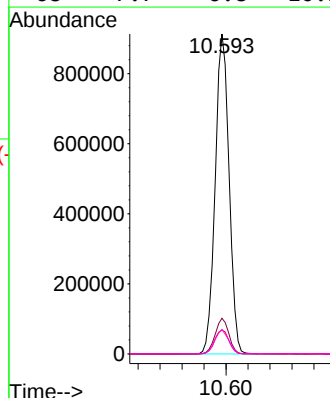
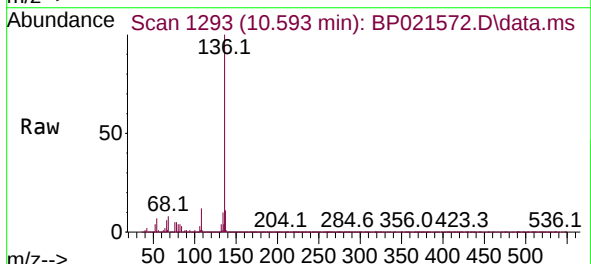
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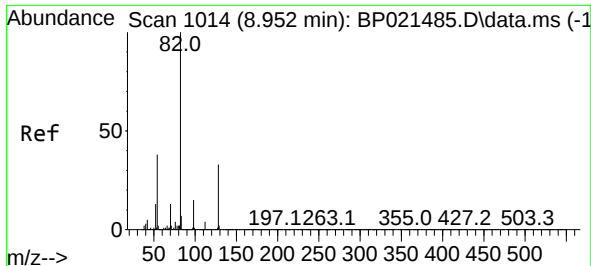
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

Tgt Ion:136 Resp: 1600137
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.5 6.3 9.5
68 7.7 6.8 10.2





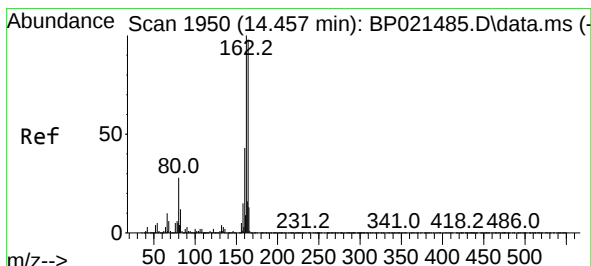
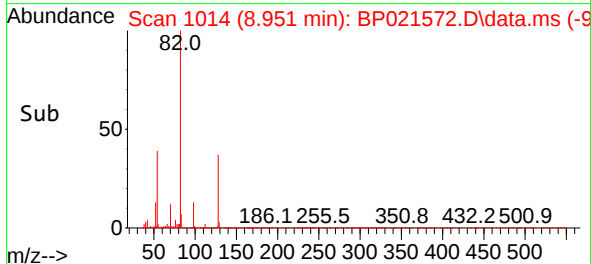
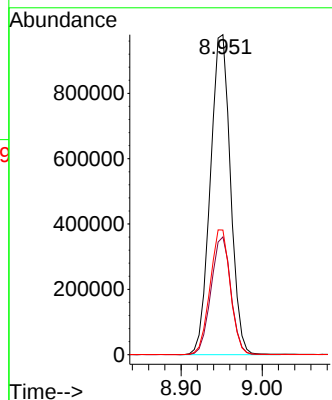
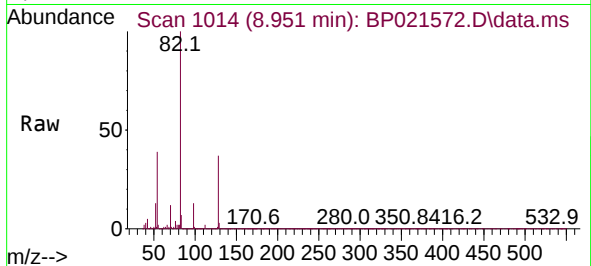
#23
Nitrobenzene-d5
Concen: 54.333 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

Tgt Ion: 82 Resp: 1684400
Ion Ratio Lower Upper
82 100
128 36.8 26.5 39.7
54 38.9 30.3 45.5

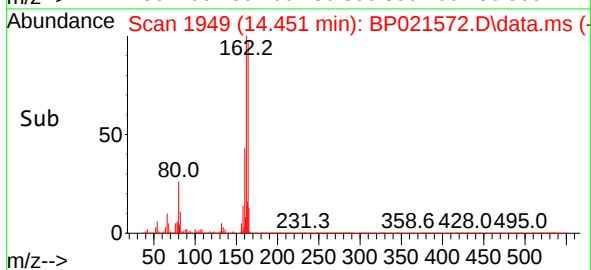
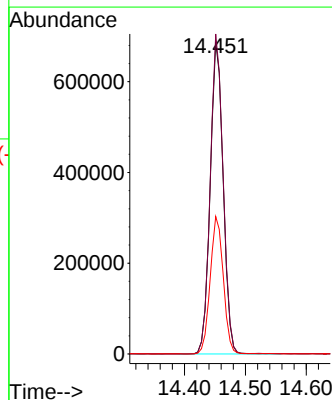
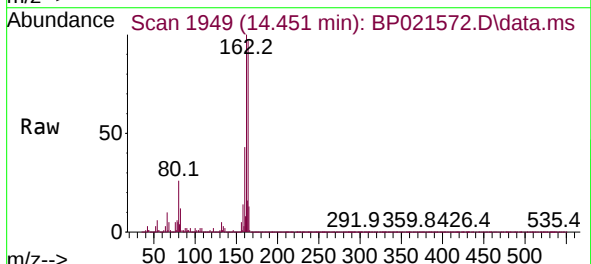
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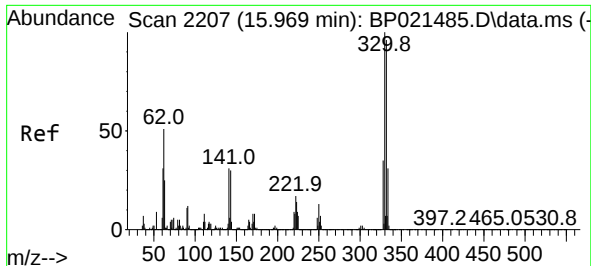
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

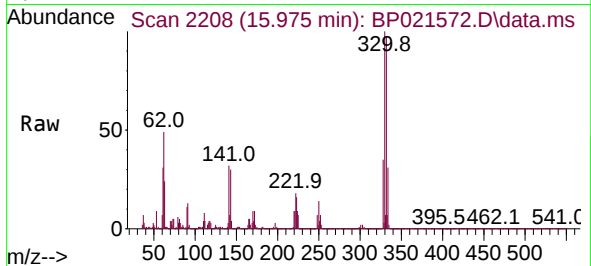
Tgt Ion:164 Resp: 1017042
Ion Ratio Lower Upper
164 100
162 102.7 81.5 122.3
160 44.1 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 87.459 ng
RT: 15.975 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

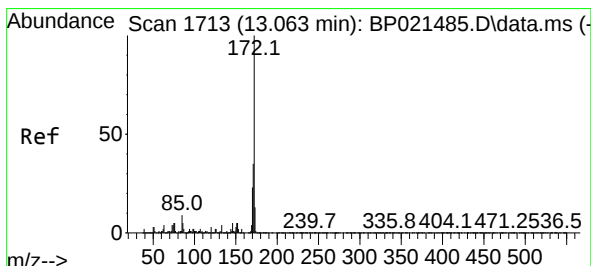
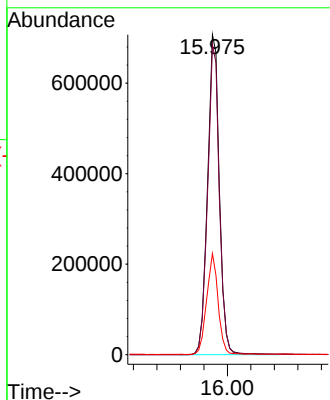
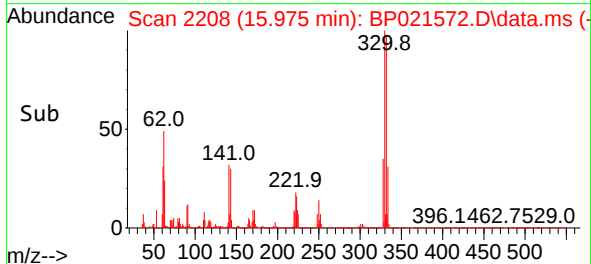
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



Tgt Ion:330 Resp: 989970
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.0
141 30.5 24.5 36.7

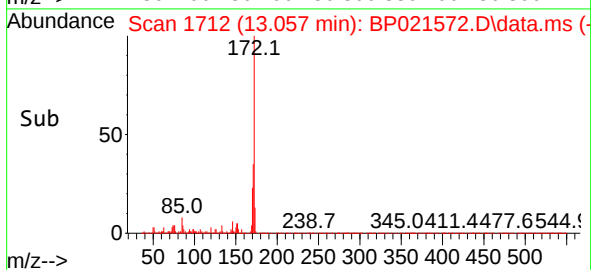
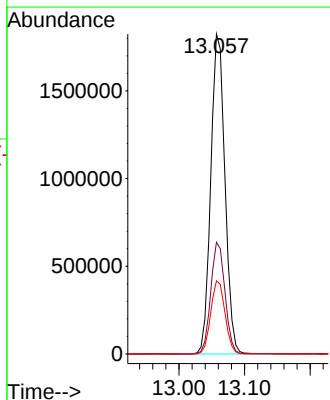
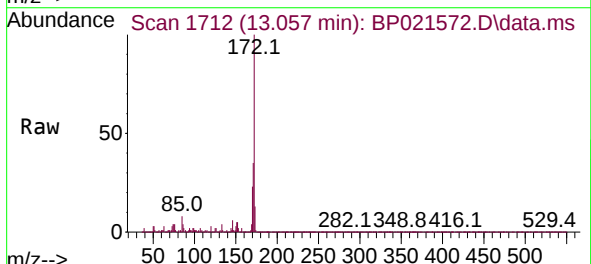
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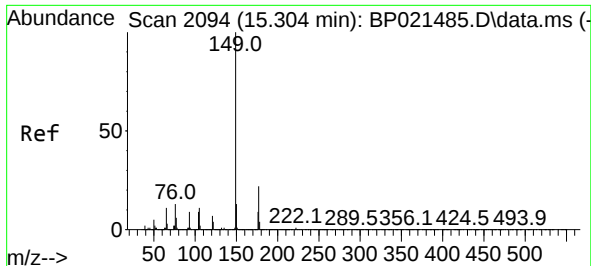
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#45
2-Fluorobiphenyl
Concen: 41.074 ng
RT: 13.057 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

Tgt Ion:172 Resp: 2737211
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.9 18.4 27.6





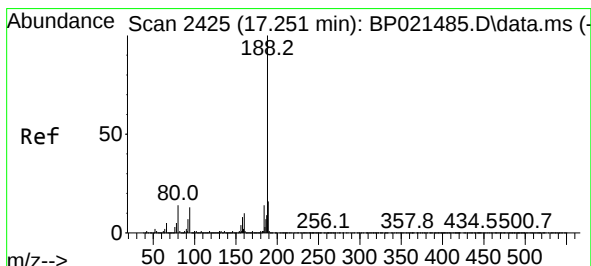
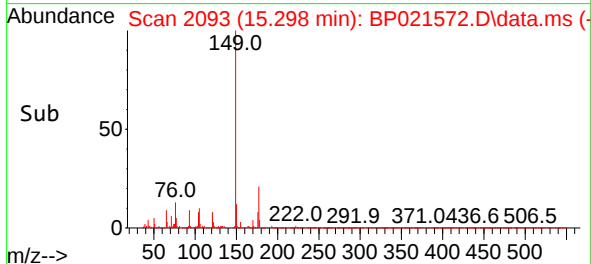
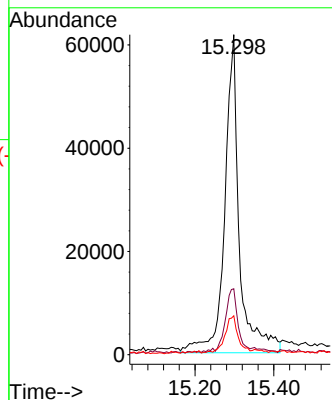
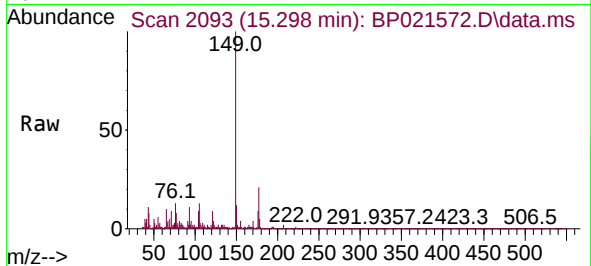
#60
Diethylphthalate
Concen: 2.272 ng m
RT: 15.298 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE

Tgt Ion:149 Resp: 158790
Ion Ratio Lower Upper
149 100
177 20.6 17.8 26.8
150 12.2 10.1 15.1

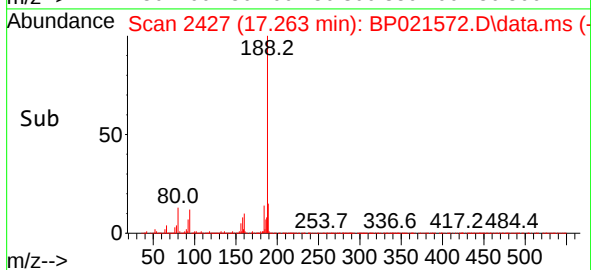
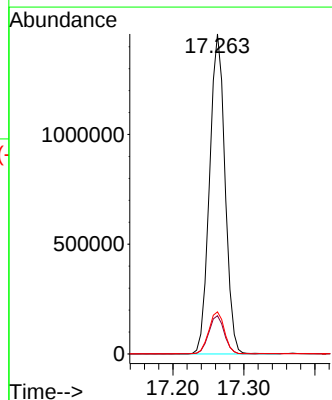
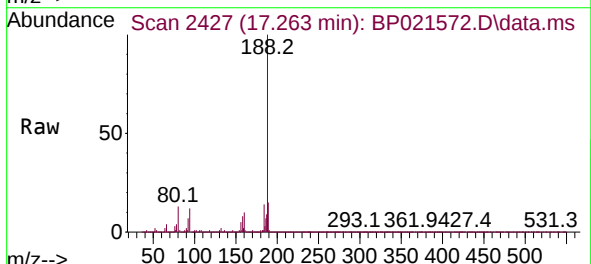
Manual Integrations
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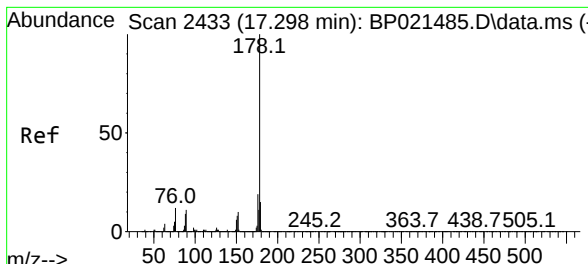
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

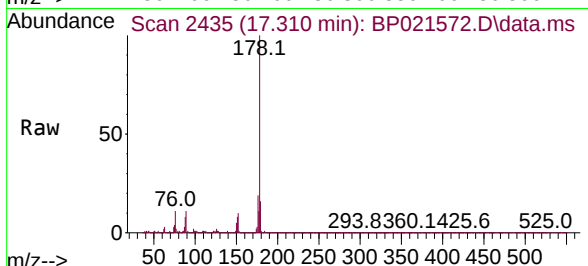
Tgt Ion:188 Resp: 2211502
Ion Ratio Lower Upper
188 100
94 12.0 10.2 15.4
80 13.2 11.6 17.4





#71
Phenanthrene
Concen: 9.422 ng
RT: 17.310 min Scan# 2435
Delta R.T. 0.012 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

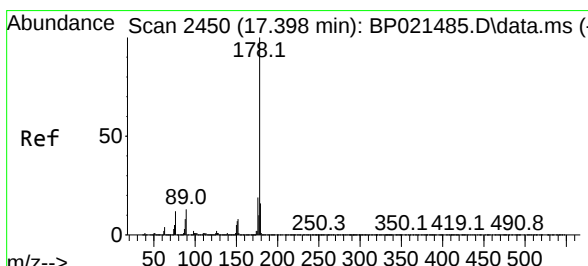
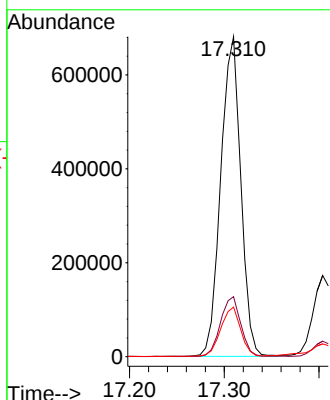
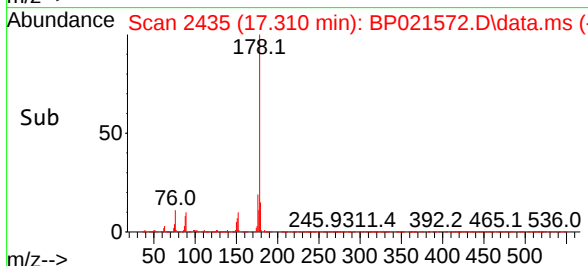
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



Tgt Ion:178 Resp: 1002035
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.5 12.4 18.6

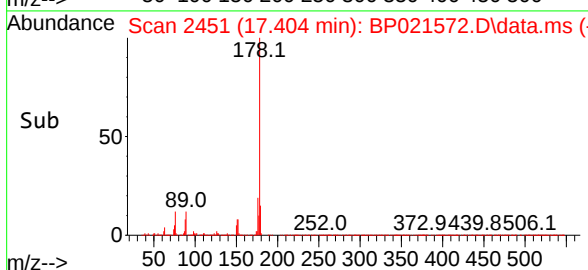
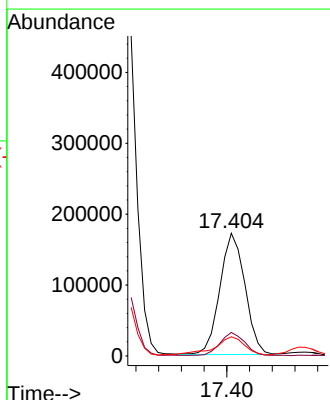
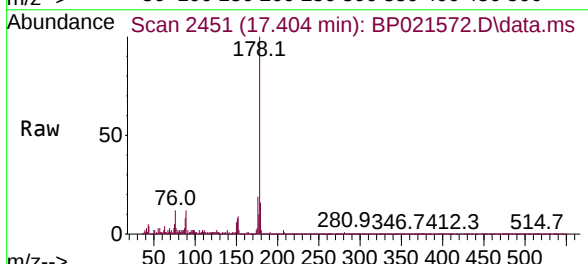
Manual Integrations
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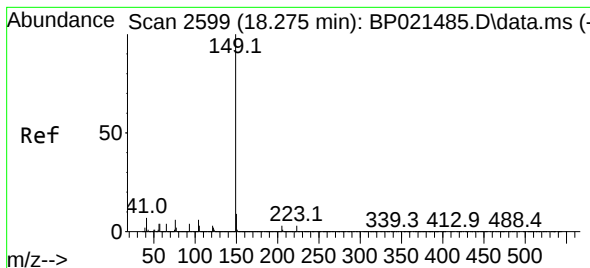
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#72
Anthracene
Concen: 2.518 ng
RT: 17.404 min Scan# 2451
Delta R.T. 0.006 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

Tgt Ion:178 Resp: 262664
Ion Ratio Lower Upper
178 100
176 19.2 14.9 22.3
179 15.7 12.5 18.7





#74

Di-n-butylphthalate

Concen: 3.513 ng

RT: 18.286 min Scan# 201

Delta R.T. 0.012 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

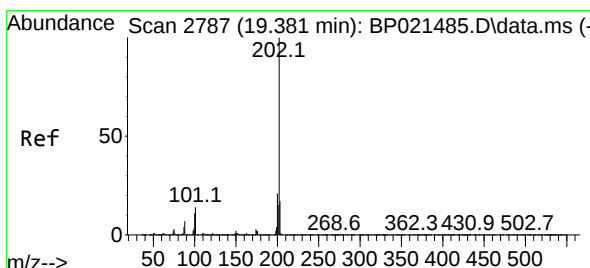
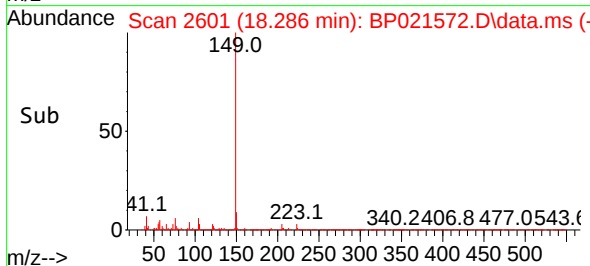
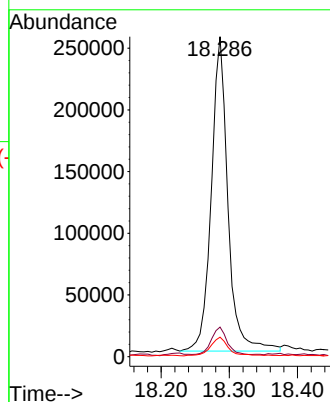
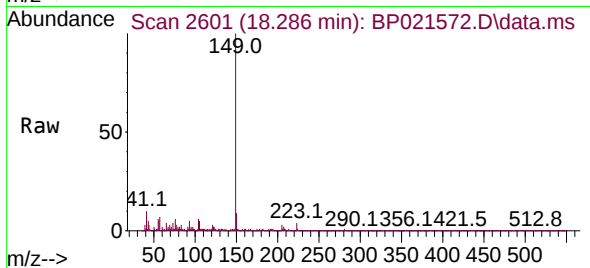
Tgt Ion:	149	Resp:	433680
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.5	11.3
104	6.1	4.9	7.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#75

Fluoranthene

Concen: 13.385 ng

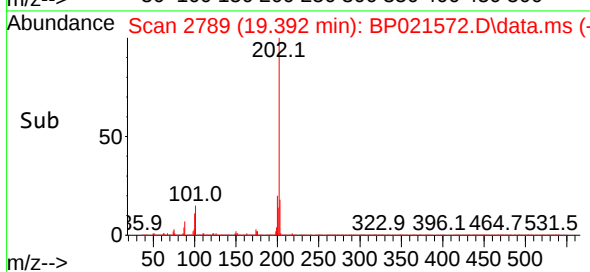
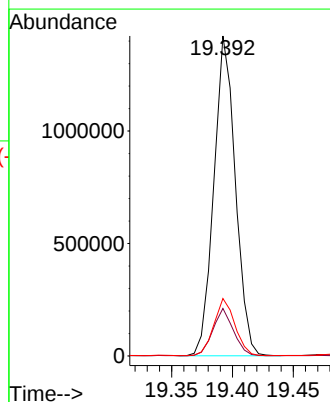
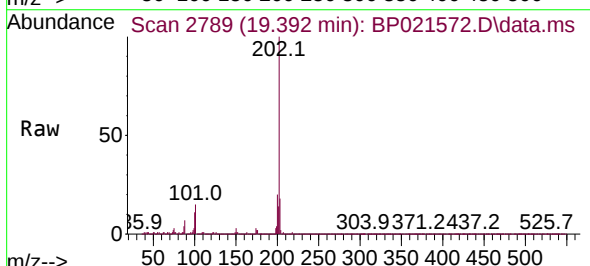
RT: 19.392 min Scan# 2789

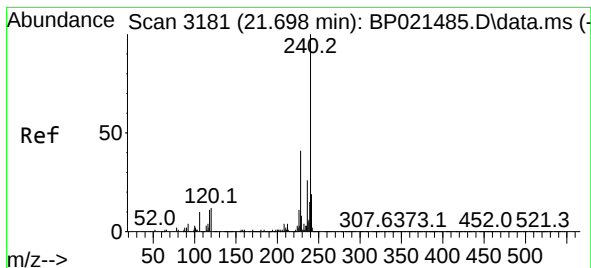
Delta R.T. 0.012 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

Tgt Ion:	202	Resp:	1746659
Ion Ratio	Lower	Upper	
202	100		
101	14.8	0.0	34.0
203	18.0	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.733 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

Tgt Ion:240 Resp: 211186

Ion Ratio Lower Upper

240 100

120 12.1 9.9 14.9

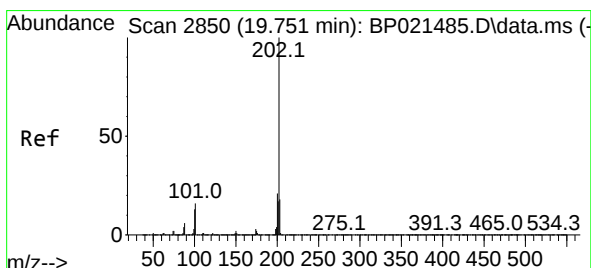
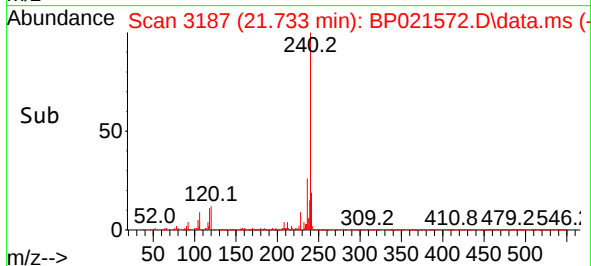
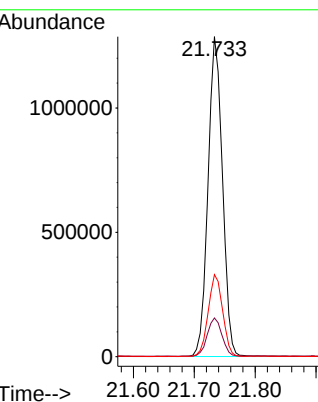
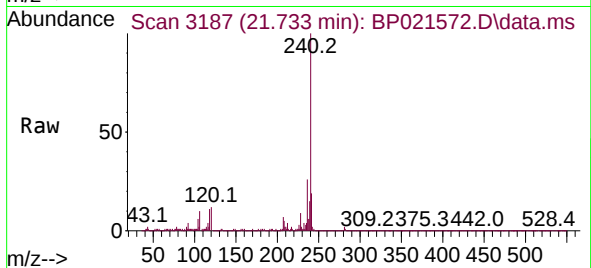
236 25.6 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#78

Pyrene

Concen: 11.199 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.017 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

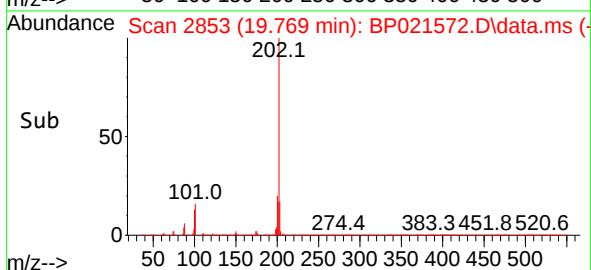
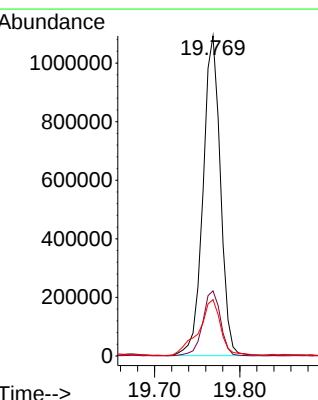
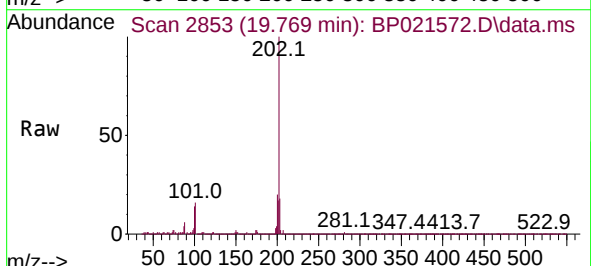
Tgt Ion:202 Resp: 1545851

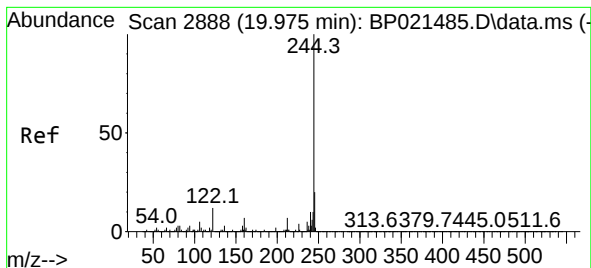
Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 37.757 ng

RT: 19.992 min Scan# 21

Delta R.T. 0.017 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

Tgt Ion:244 Resp: 410445

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

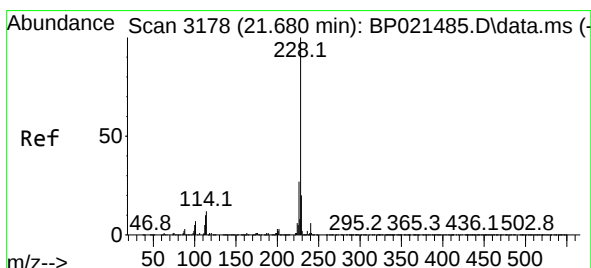
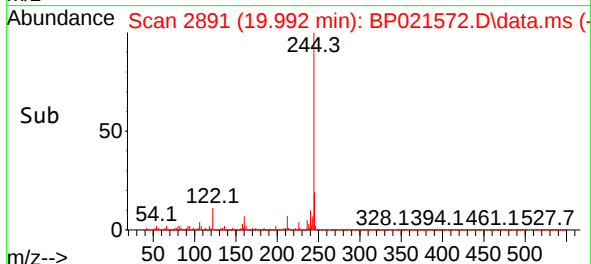
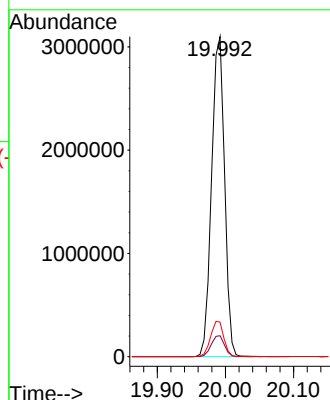
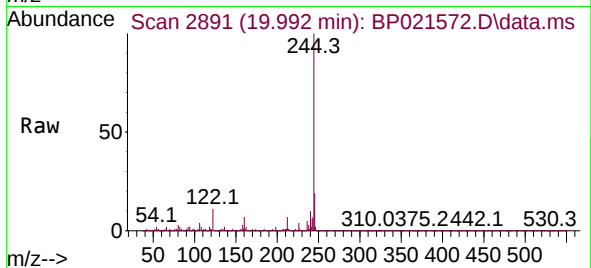
122 10.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#81

Benzo(a)anthracene

Concen: 5.887 ng

RT: 21.715 min Scan# 3184

Delta R.T. 0.035 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

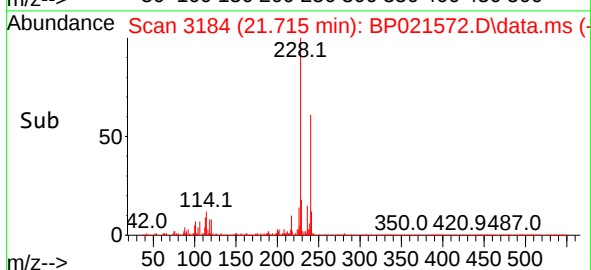
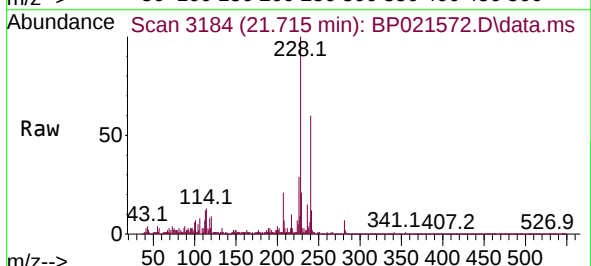
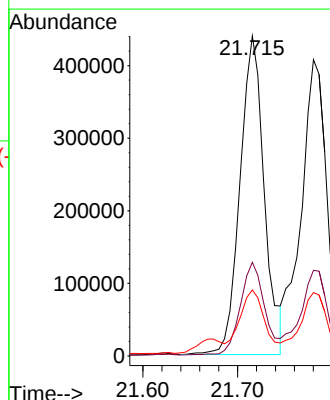
Tgt Ion:228 Resp: 780442

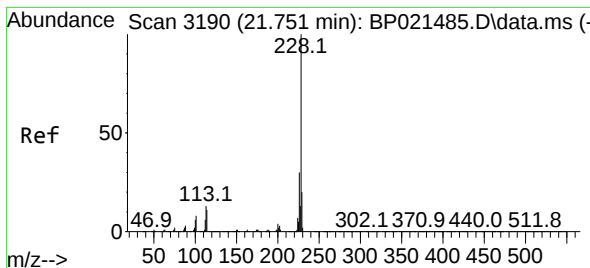
Ion Ratio Lower Upper

228 100

226 29.2 21.4 32.2

229 20.7 15.8 23.6





#83

Chrysene

Concen: 6.046 ng

RT: 21.780 min Scan# 3190

Delta R.T. 0.029 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

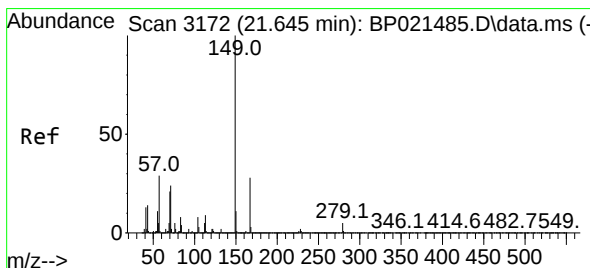
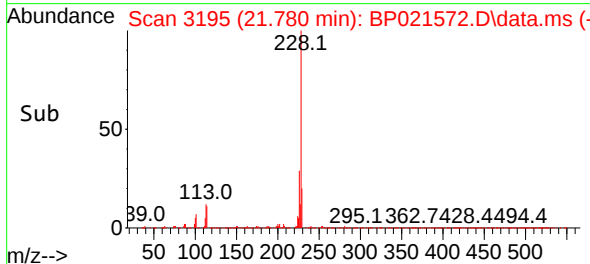
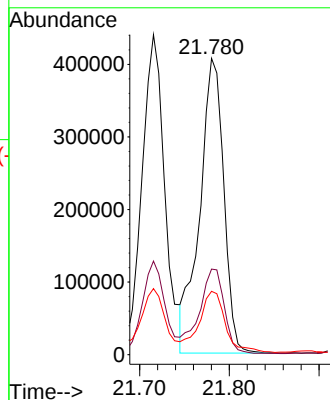
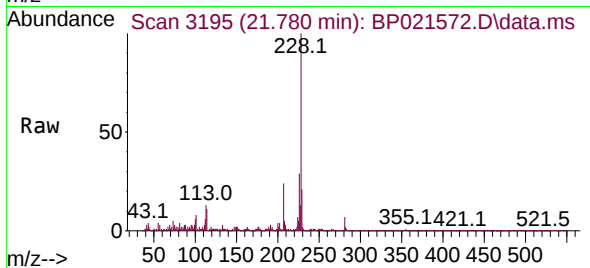
Tgt Ion:	228	Resp:	75679
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.9	35.9
229	21.4	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.683 ng

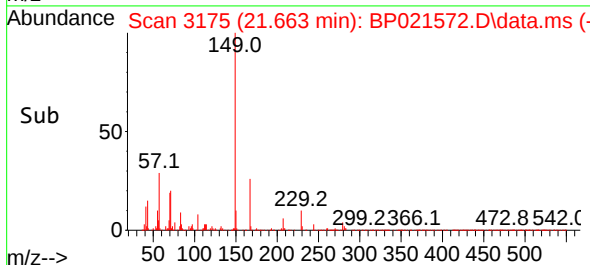
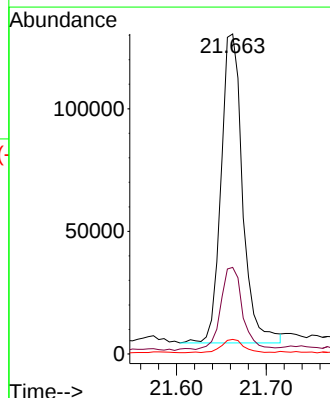
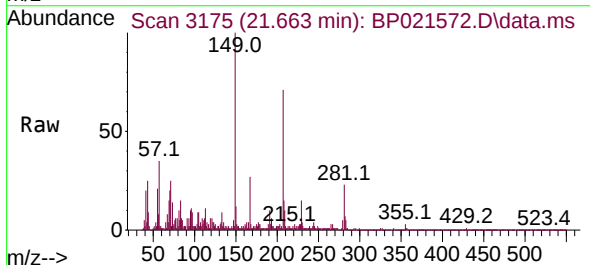
RT: 21.663 min Scan# 3175

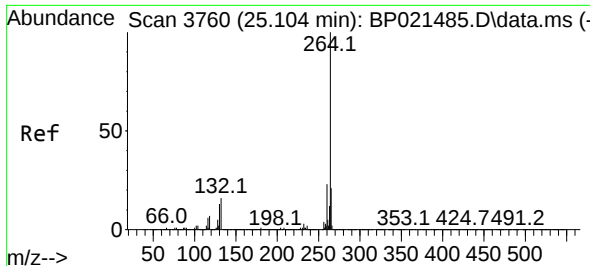
Delta R.T. 0.017 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

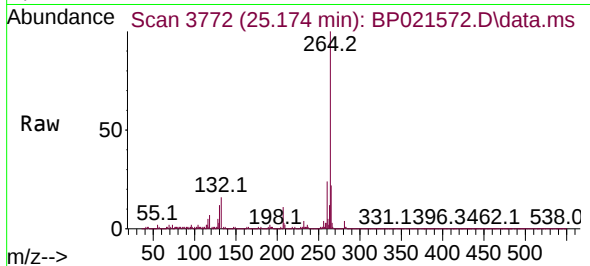
Tgt Ion:	149	Resp:	210229
Ion Ratio	Lower	Upper	
149	100		
167	27.1	22.3	33.5
279	4.5	3.8	5.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.174 min Scan# 31
Delta R.T. 0.070 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

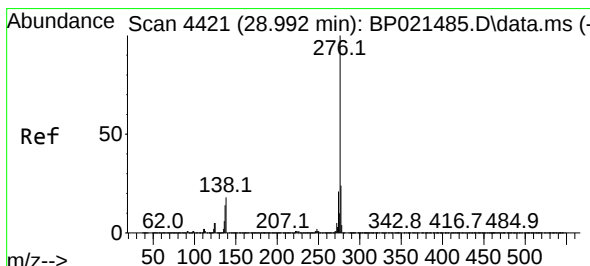
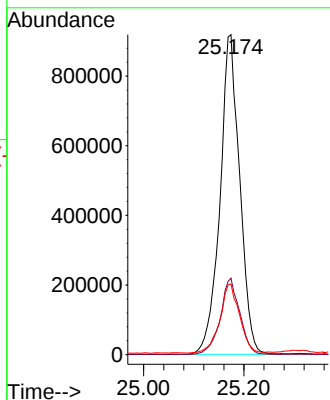
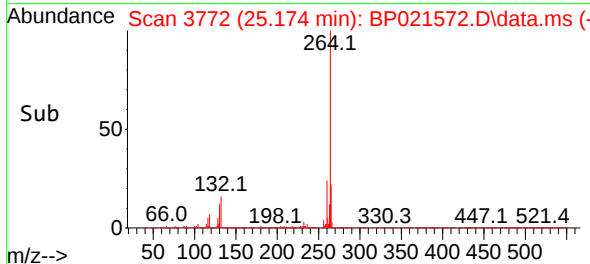
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



Tgt Ion:264 Resp: 251174
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 22.1 17.1 25.7

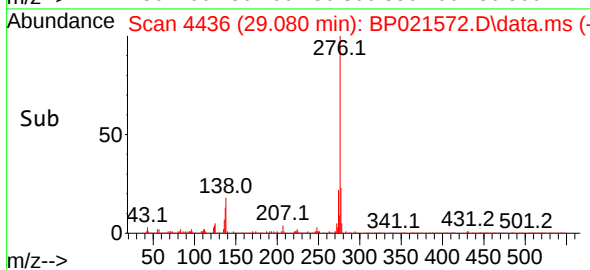
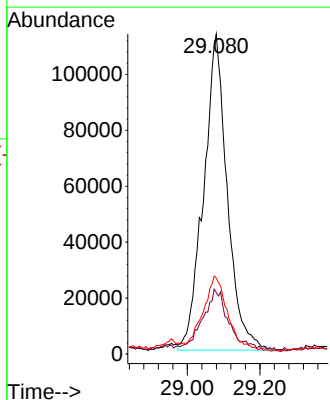
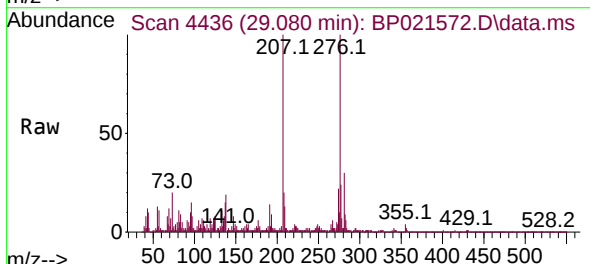
Manual Integrations
APPROVED

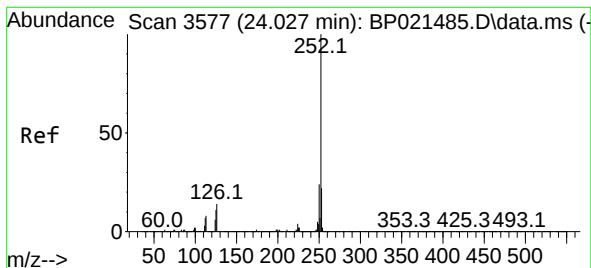
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.150 ng
RT: 29.080 min Scan# 4436
Delta R.T. 0.088 min
Lab File: BP021572.D
Acq: 20 Aug 2024 14:25

Tgt Ion:276 Resp: 512908
Ion Ratio Lower Upper
276 100
138 20.3 12.8 19.2#
277 25.2 16.5 24.7#





#88

Benzo(b)fluoranthene

Concen: 7.141 ng

RT: 24.080 min Scan# 31

Delta R.T. 0.053 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

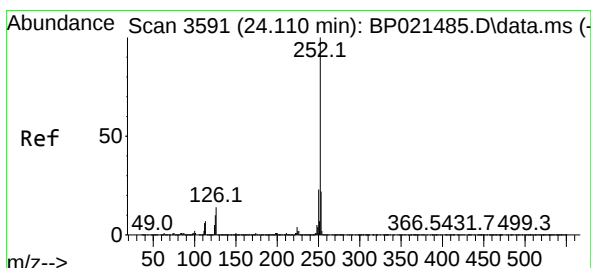
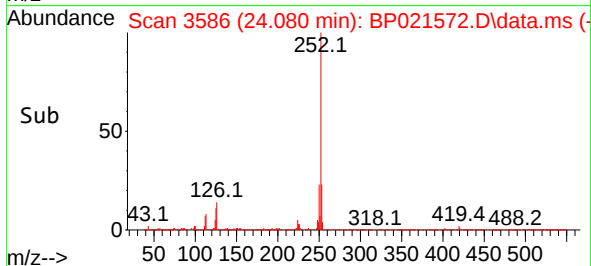
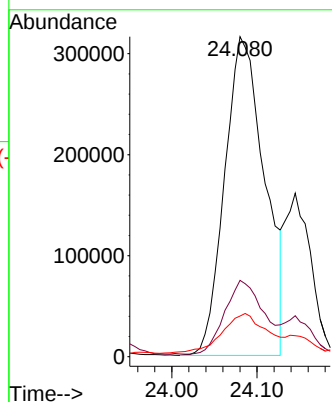
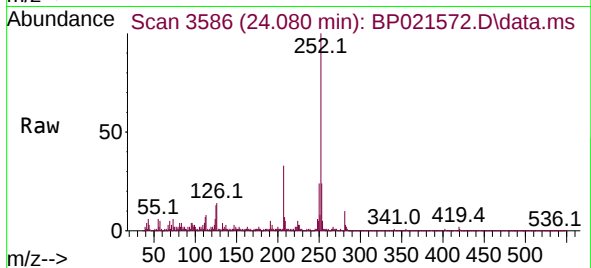
Tgt Ion:252 Resp: 1030064
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.6 26.4
 125 12.7 8.6 13.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#89

Benzo(k)fluoranthene

Concen: 2.411 ng m

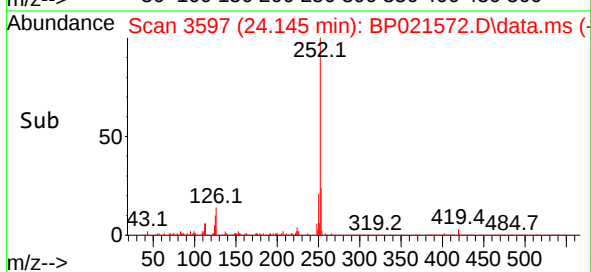
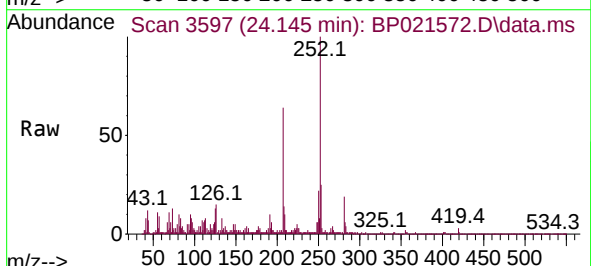
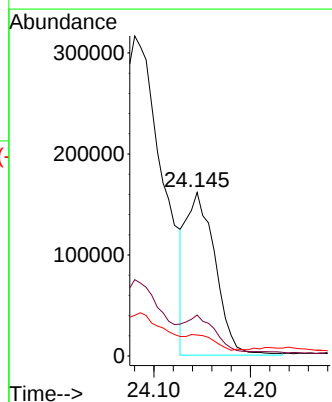
RT: 24.145 min Scan# 3597

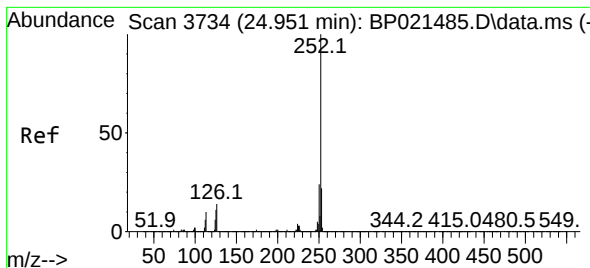
Delta R.T. 0.035 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

Tgt Ion:252 Resp: 339349
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.5 26.3
 125 12.8 7.8 11.8#





#90

Benzo(a)pyrene

Concen: 6.180 ng

RT: 24.992 min Scan# 31

Delta R.T. 0.041 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

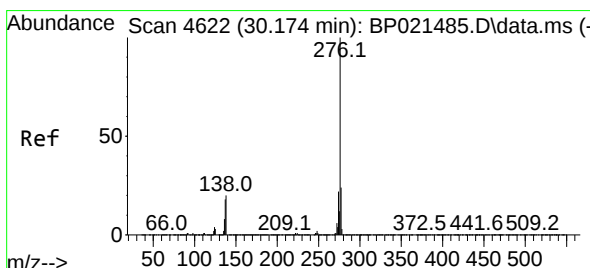
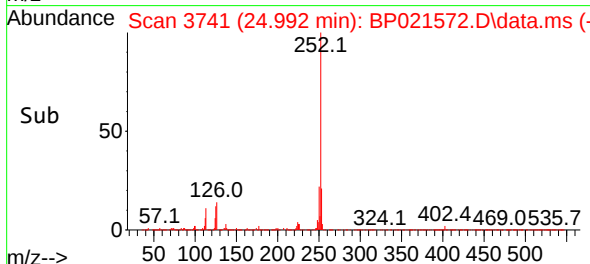
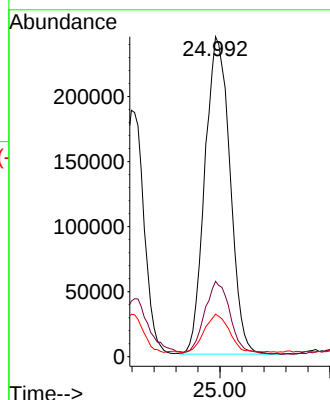
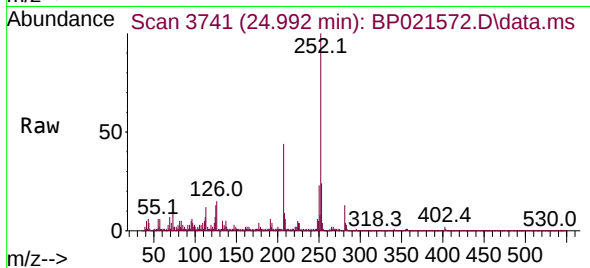
Tgt Ion:	252	Resp:	77364
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.7	26.5
125	13.3	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#92

Benzo(g,h,i)perylene

Concen: 3.589 ng

RT: 30.280 min Scan# 4640

Delta R.T. 0.106 min

Lab File: BP021572.D

Acq: 20 Aug 2024 14:25

Tgt Ion:	276	Resp:	486567
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.6
138	19.4	16.0	24.0

