

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
 Data File : BP021588.D
 Acq On : 21 Aug 2024 02:02
 Operator : RC/JU
 Sample : P3518-29RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-15-080724RE

Quant Time: Aug 21 05:40:22 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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	373642	20.000	ng	0.00
21) Naphthalene-d8	10.592	136	1543145	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1010899	20.000	ng	0.00
64) Phenanthrene-d10	17.274	188	2225793	20.000	ng	0.02
76) Chrysene-d12	21.727	240	2026973	20.000	ng	0.03
86) Perylene-d12	25.174	264	2361305	20.000	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	2093215	83.185	ng	0.01
7) Phenol-d6	6.969	99	2957392	80.566	ng	0.00
23) Nitrobenzene-d5	8.951	82	1754120	58.672	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	1072835	95.355	ng	0.01
45) 2-Fluorobiphenyl	13.063	172	2563102	38.695	ng	0.00
79) Terphenyl-d14	19.986	244	4191428	40.172	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	17.315	178	527897	4.932	ng	100
75) Fluoranthene	19.392	202	1403514	10.686	ng	99
78) Pyrene	19.768	202	1236146	9.330	ng	99
81) Benzo(a)anthracene	21.703	228	631227	4.961	ng	94
83) Chrysene	21.774	228	592694	4.933	ng	97
87) Indeno(1,2,3-cd)pyrene	29.056	276	445350	2.910	ng	98
88) Benzo(b)fluoranthene	24.074	252	863050	6.364	ng	# 96
89) Benzo(k)fluoranthene	24.139	252	284060m	2.147	ng	
90) Benzo(a)pyrene	25.003	252	605145	5.142	ng	# 96
92) Benzo(g,h,i)perylene	30.279	276	415294	3.258	ng	96

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

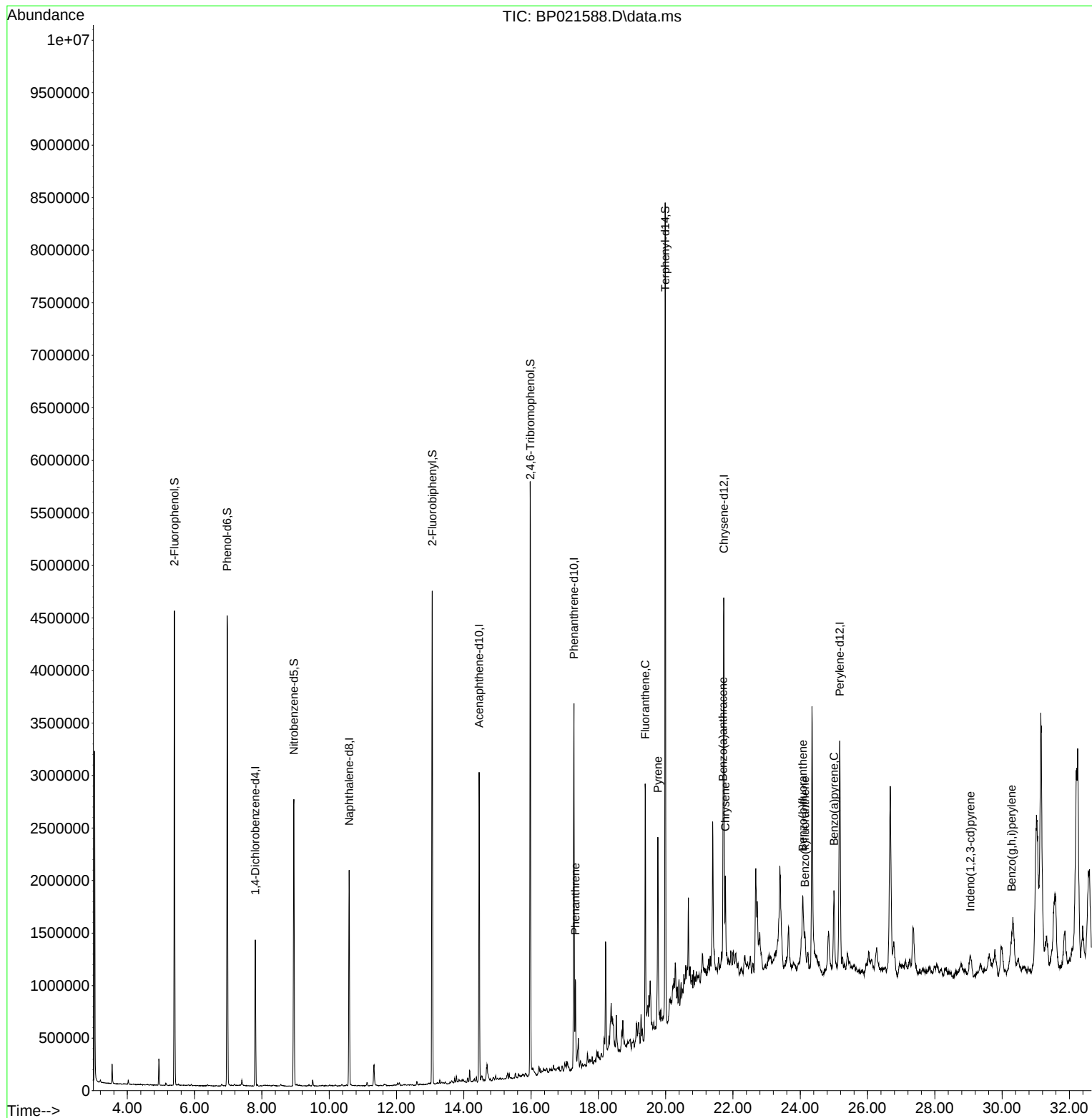
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021588.D
Acq On : 21 Aug 2024 02:02
Operator : RC/JU
Sample : P3518-29RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

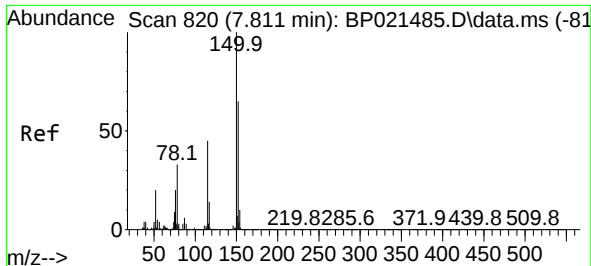
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE

Quant Time: Aug 21 05:40:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
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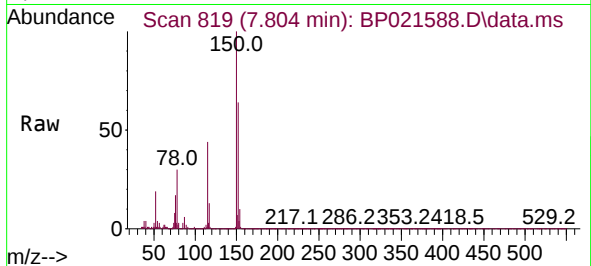
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Supervised By :mohammad ahmed 08/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

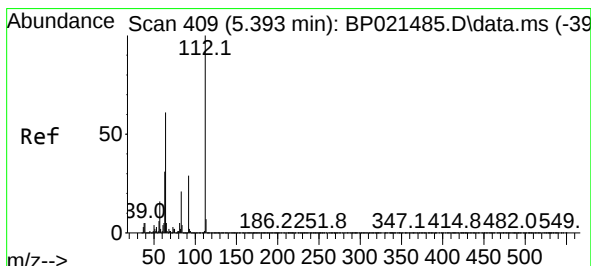
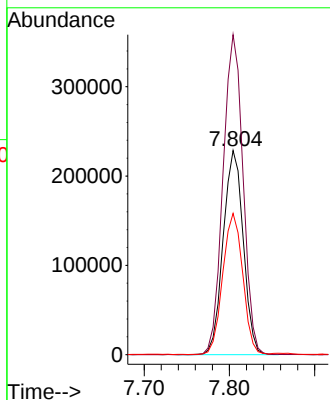
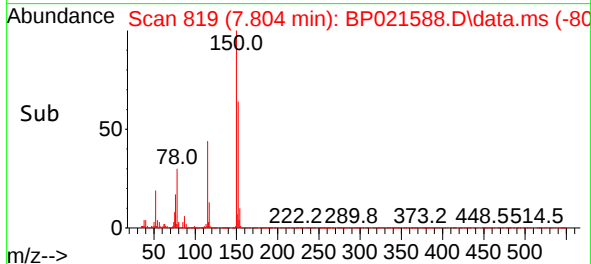
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE



Tgt Ion:152 Resp: 37364
Ion Ratio Lower Upper
152 100
150 156.7 122.4 183.6
115 69.2 54.7 82.1

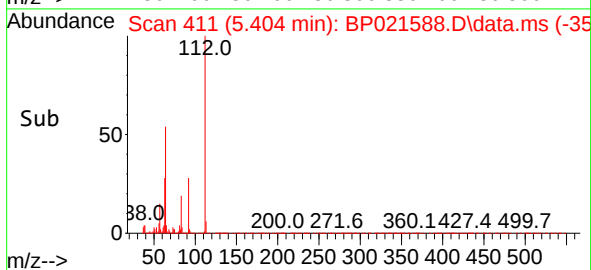
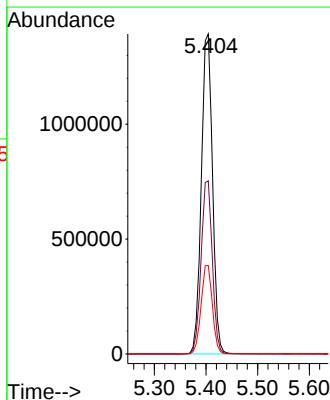
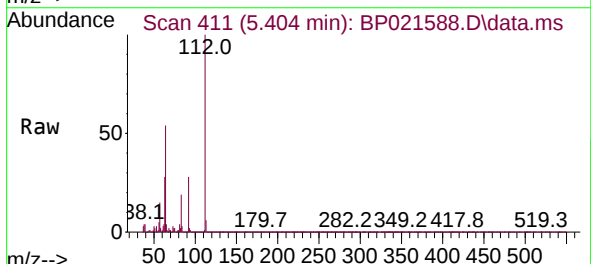
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#5
2-Fluorophenol
Concen: 83.185 ng
RT: 5.404 min Scan# 411
Delta R.T. 0.011 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

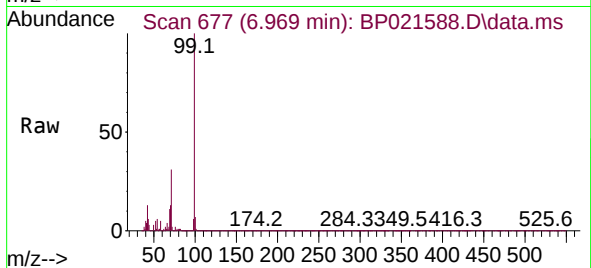
Tgt Ion:112 Resp: 2093215
Ion Ratio Lower Upper
112 100
64 54.1 49.0 73.6
63 27.6 24.6 36.8





#7
Phenol-d6
Concen: 80.566 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.005 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

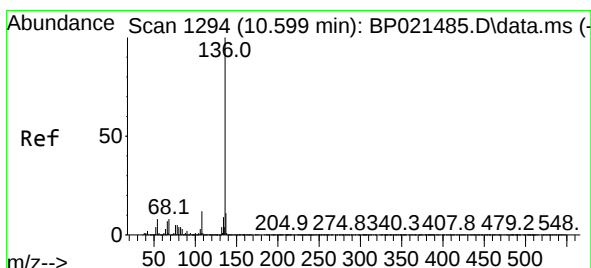
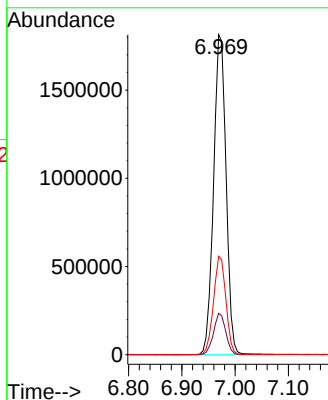
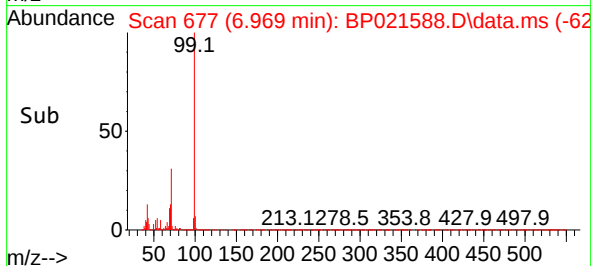
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE



Tgt Ion: 99 Resp: 295739
Ion Ratio Lower Upper
99 100
42 12.9 10.2 15.4
71 30.8 25.8 38.8

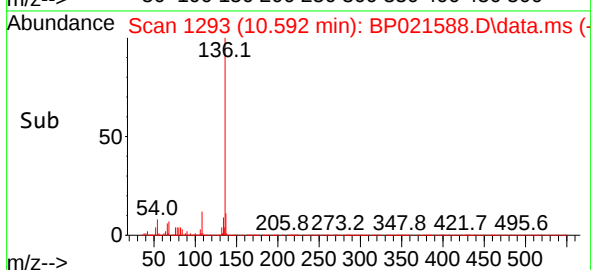
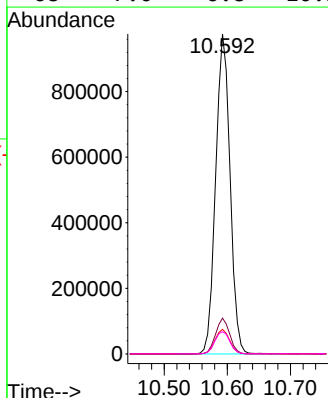
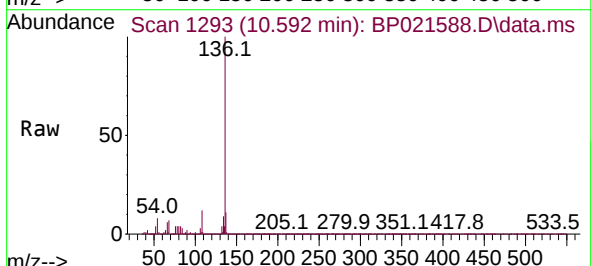
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Supervised By :mohammad ahmed 08/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 1293
Delta R.T. -0.007 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:136 Resp: 1543145
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.7 6.3 9.5
68 7.0 6.8 10.2





#23

Nitrobenzene-d5

Concen: 58.672 ng

RT: 8.951 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724RE

Tgt Ion: 82 Resp: 1754120

Ion Ratio Lower Upper

82 100

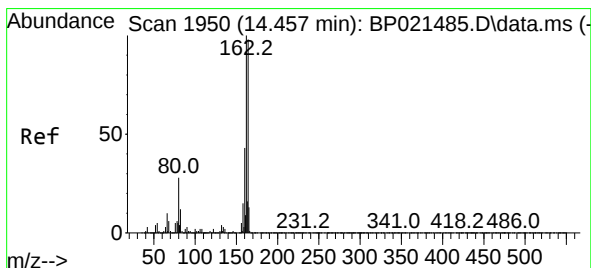
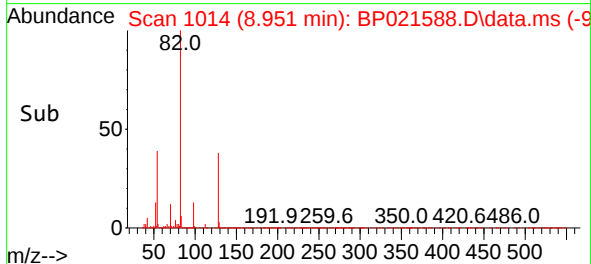
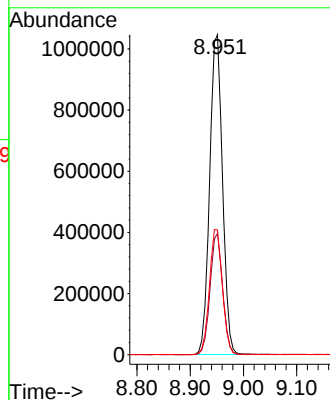
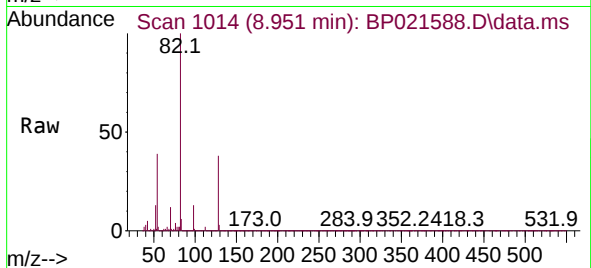
128 37.9 26.5 39.7

54 39.0 30.3 45.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1950

Delta R.T. -0.000 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

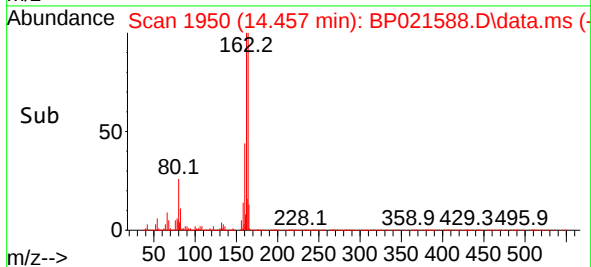
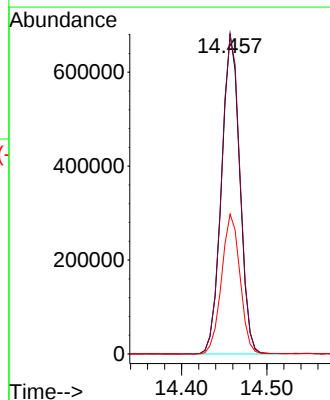
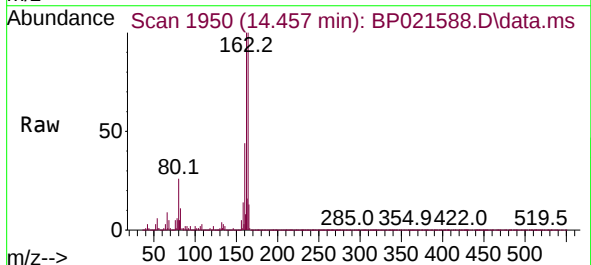
Tgt Ion:164 Resp: 1010899

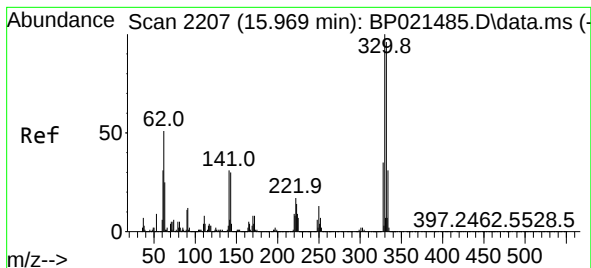
Ion Ratio Lower Upper

164 100

162 99.5 81.5 122.3

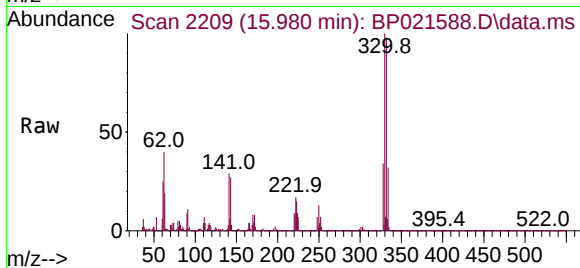
160 43.7 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 95.355 ng
RT: 15.980 min Scan# 21
Delta R.T. 0.011 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

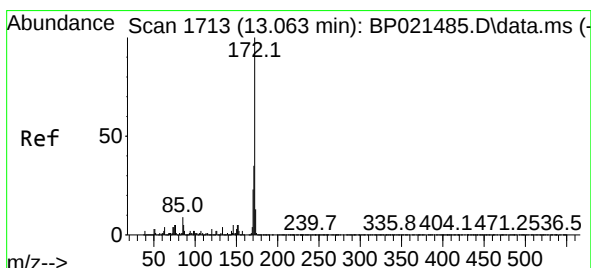
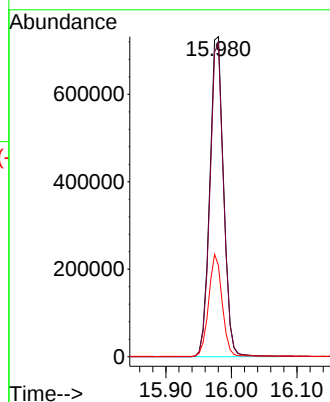
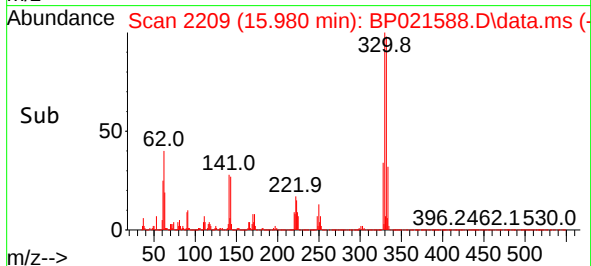
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE



Tgt Ion:330 Resp: 107283
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 31.0 24.5 36.7

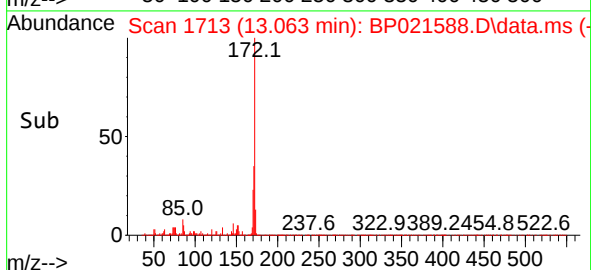
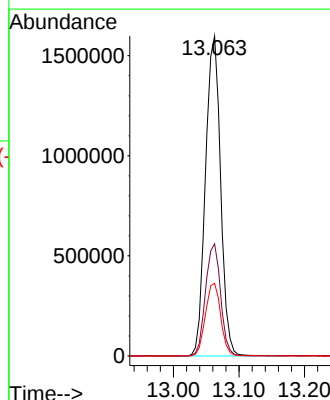
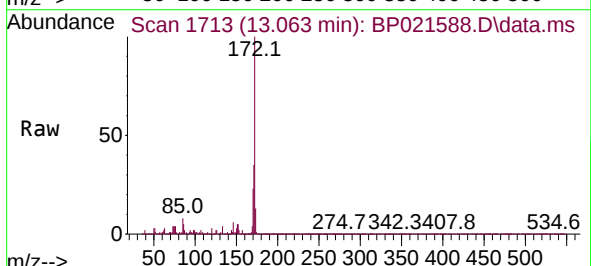
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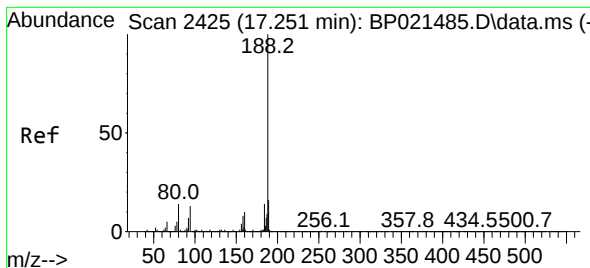
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#45
2-Fluorobiphenyl
Concen: 38.695 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:172 Resp: 2563102
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 22.7 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.274 min Scan# 2429
Delta R.T. 0.023 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

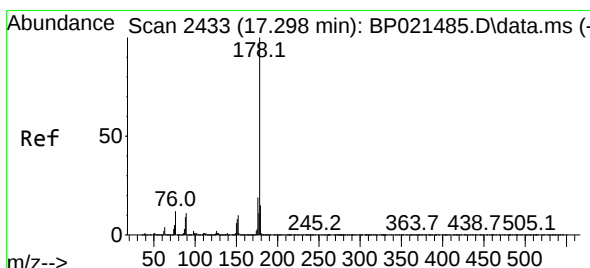
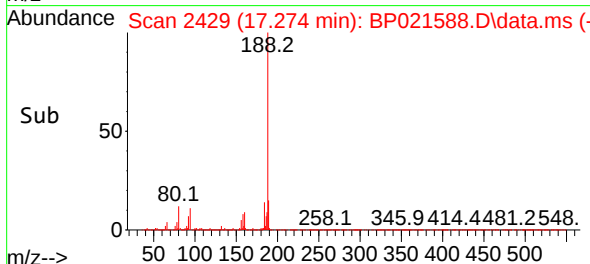
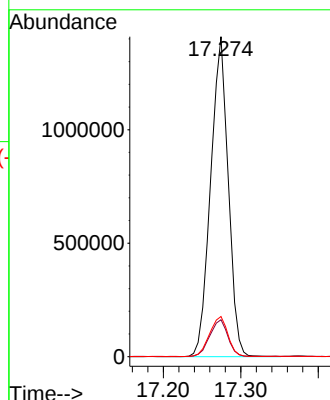
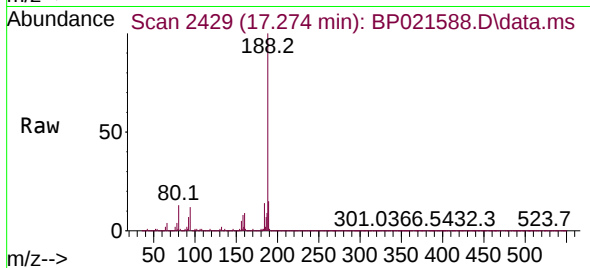
OU4-TS-15-080724RE

Tgt Ion:188 Resp: 222579
Ion Ratio Lower Upper
188 100
94 11.5 10.2 15.4
80 12.5 11.6 17.4

Manual Integrations

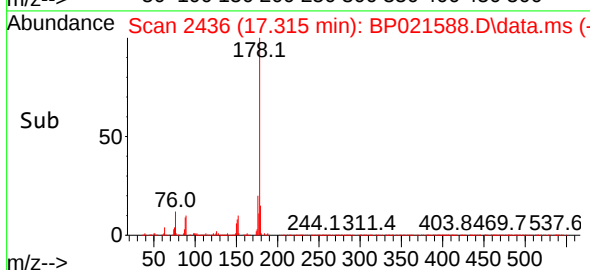
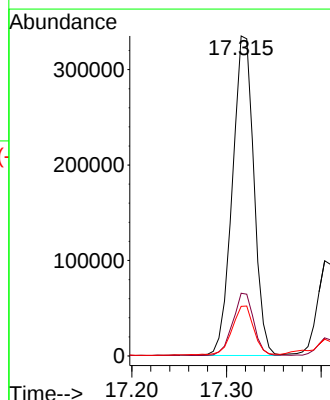
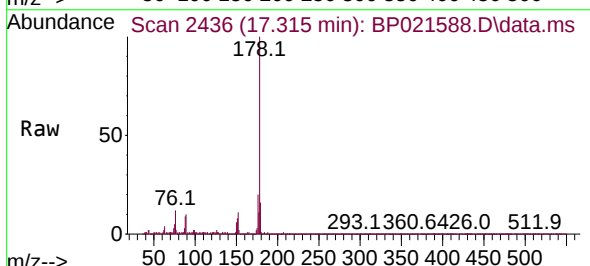
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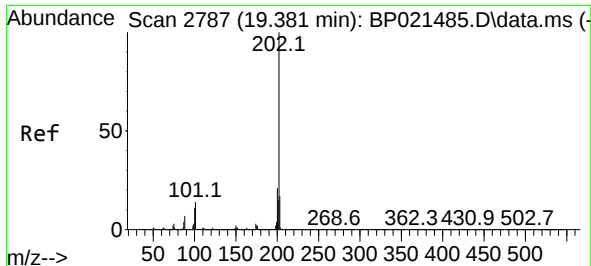
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#71
Phenanthrene
Concen: 4.932 ng
RT: 17.315 min Scan# 2436
Delta R.T. 0.017 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

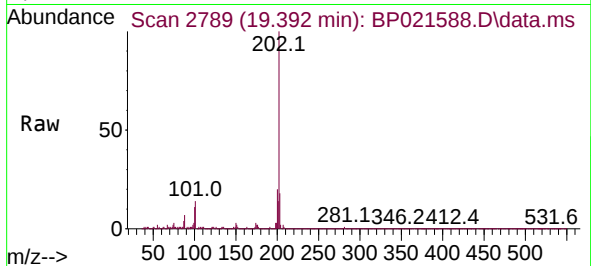
Tgt Ion:178 Resp: 527897
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 10.686 ng
RT: 19.392 min Scan# 21
Delta R.T. 0.011 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

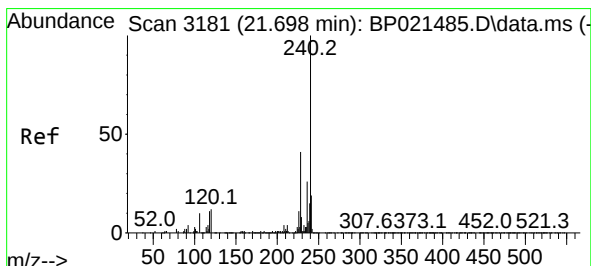
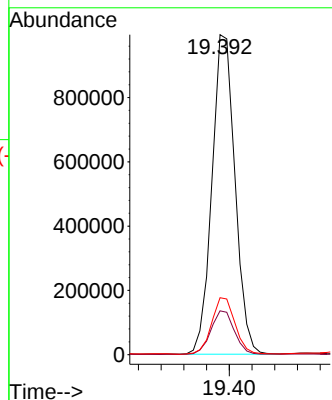
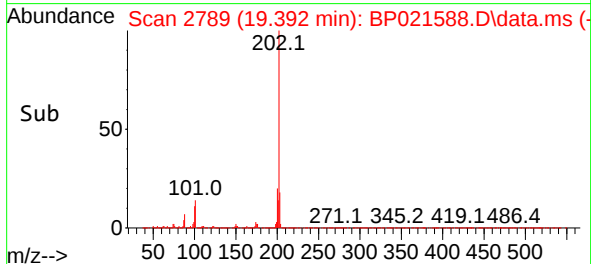
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE



Tgt Ion:202 Resp: 1403514
Ion Ratio Lower Upper
202 100
101 13.7 0.0 34.0
203 17.8 0.0 37.5

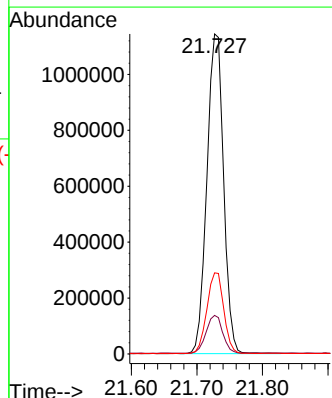
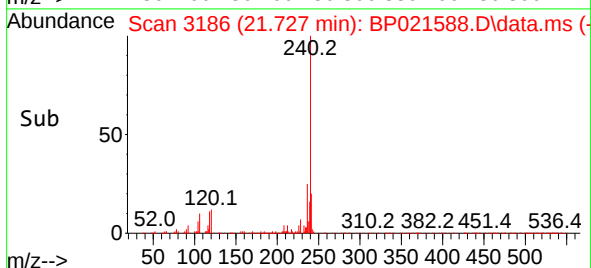
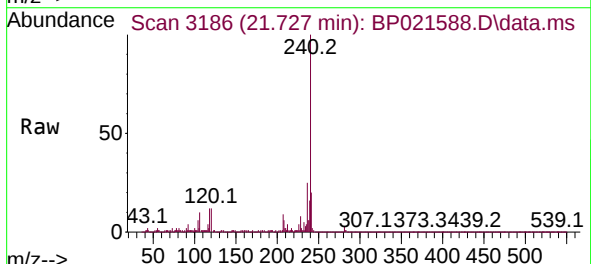
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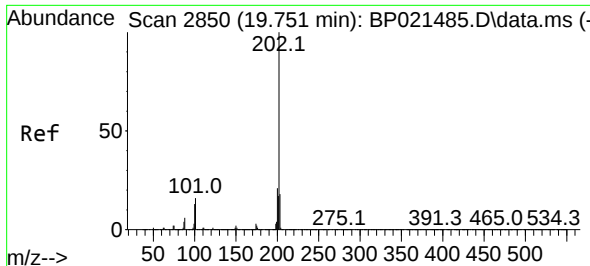
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.727 min Scan# 3186
Delta R.T. 0.029 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

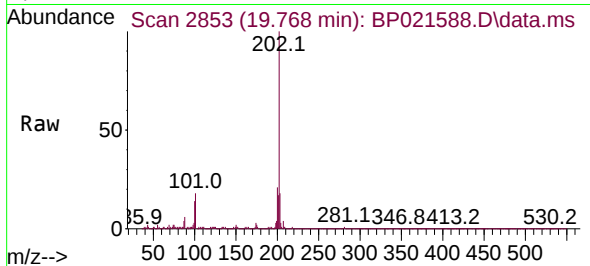
Tgt Ion:240 Resp: 2026973
Ion Ratio Lower Upper
240 100
120 12.0 9.9 14.9
236 25.3 20.6 30.8





#78
Pyrene
Concen: 9.330 ng
RT: 19.768 min Scan# 2853
Delta R.T. 0.017 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

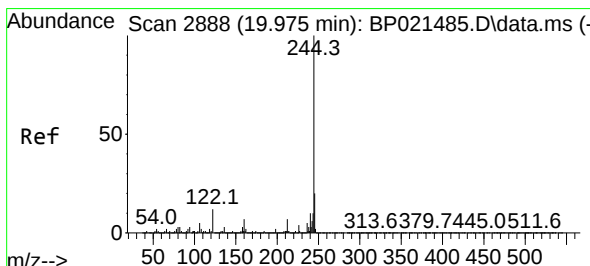
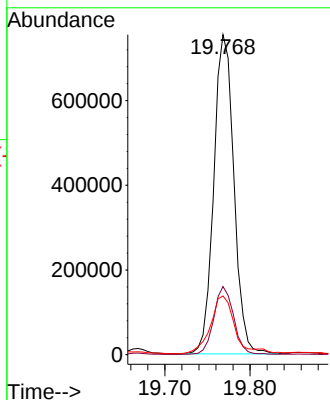
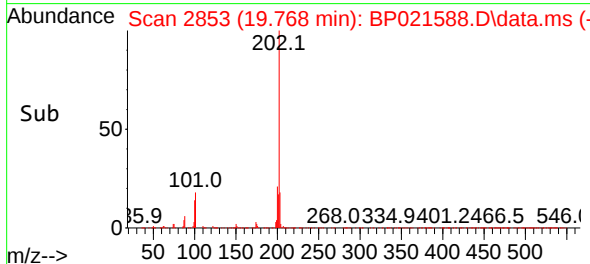
Instrument :
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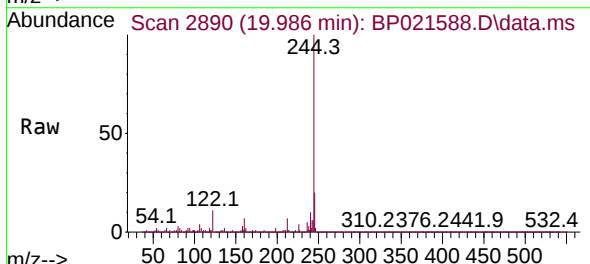
Tgt Ion:202 Resp: 1236140
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 18.4 14.1 21.1

Manual Integrations
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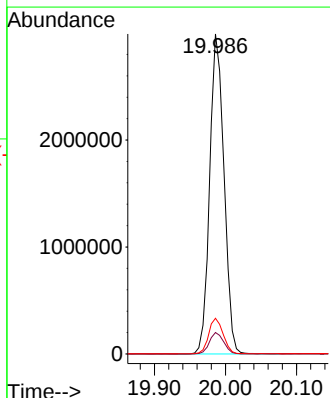
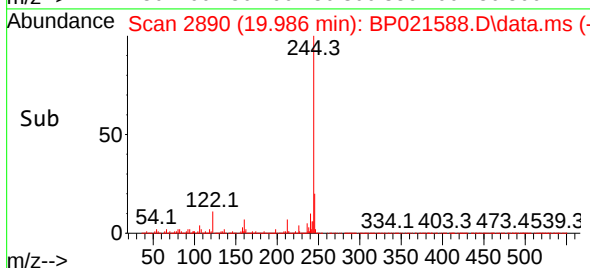
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

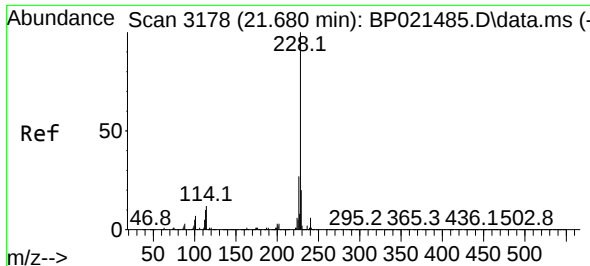


#79
Terphenyl-d14
Concen: 40.172 ng
RT: 19.986 min Scan# 2890
Delta R.T. 0.011 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02



Tgt Ion:244 Resp: 4191428
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 11.1 9.4 14.2





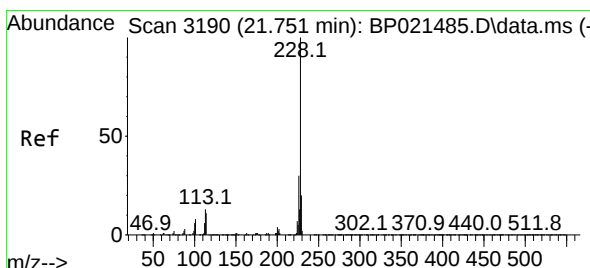
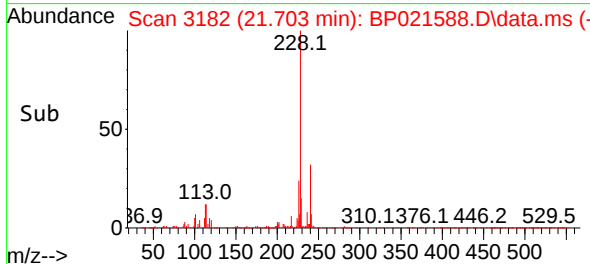
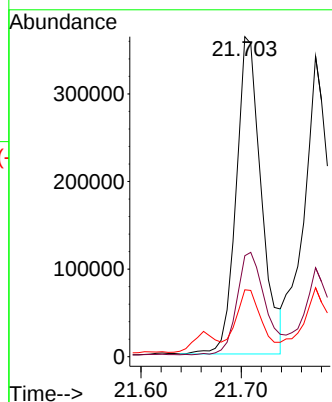
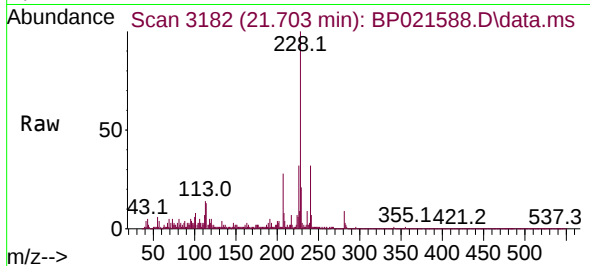
#81
Benzo(a)anthracene
Concen: 4.961 ng
RT: 21.703 min Scan# 3178
Delta R.T. 0.023 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE

Tgt Ion:228 Resp: 631227
Ion Ratio Lower Upper
228 100
226 31.5 21.4 32.2
229 20.9 15.8 23.6

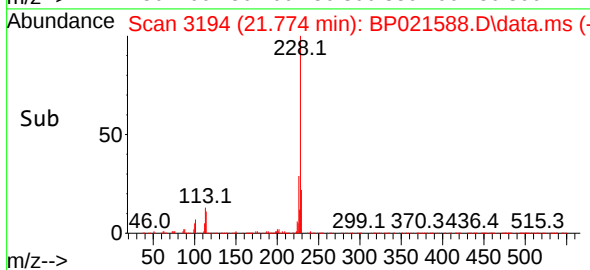
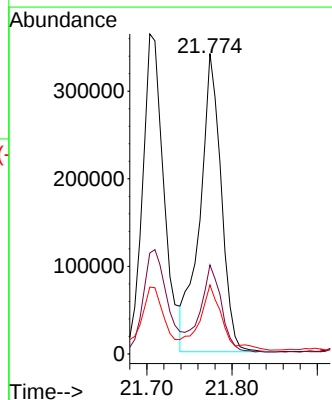
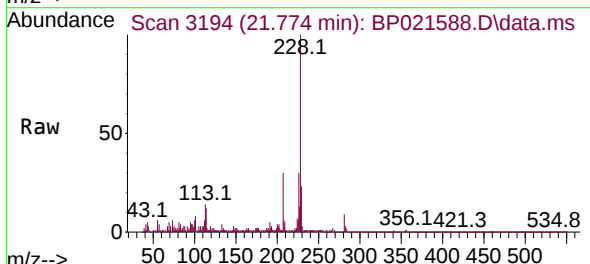
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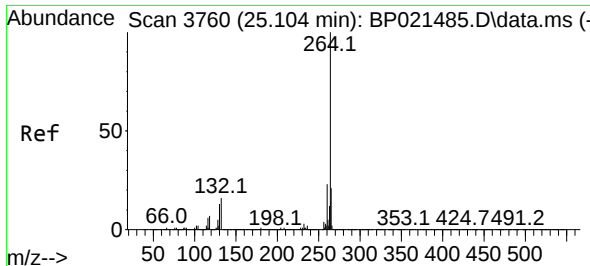
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#83
Chrysene
Concen: 4.933 ng
RT: 21.774 min Scan# 3194
Delta R.T. 0.023 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

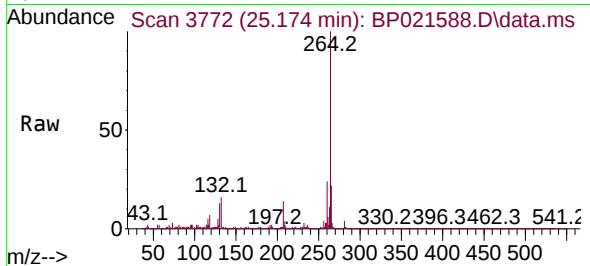
Tgt Ion:228 Resp: 592694
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 22.9 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.174 min Scan# 31
Delta R.T. 0.070 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

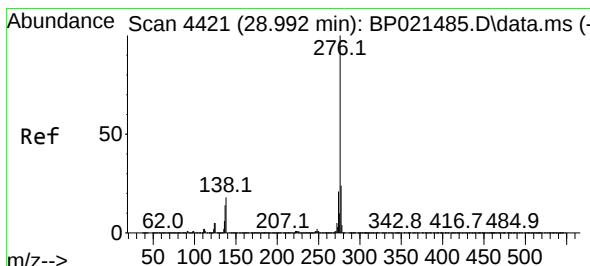
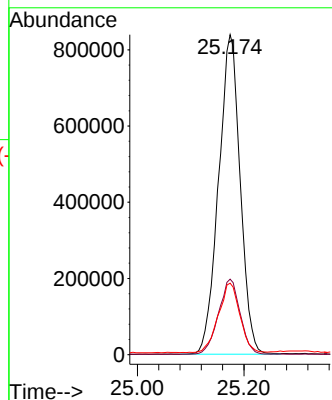
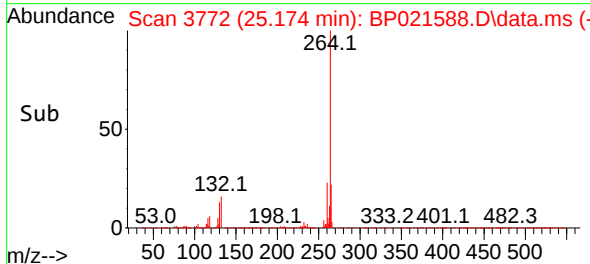
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE



Tgt Ion:264 Resp: 236130
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 22.3 17.1 25.7

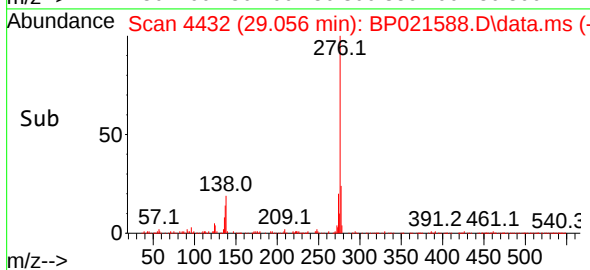
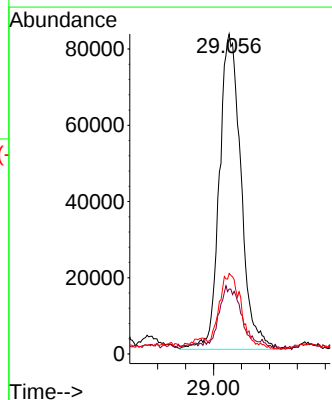
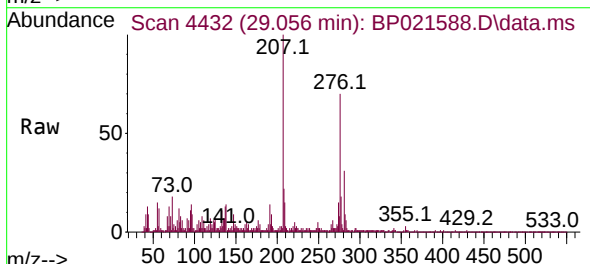
Manual Integrations
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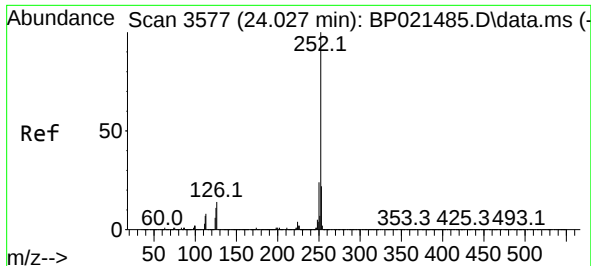
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.910 ng
RT: 29.056 min Scan# 4432
Delta R.T. 0.064 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:276 Resp: 445350
Ion Ratio Lower Upper
276 100
138 17.1 12.8 19.2
277 21.7 16.5 24.7





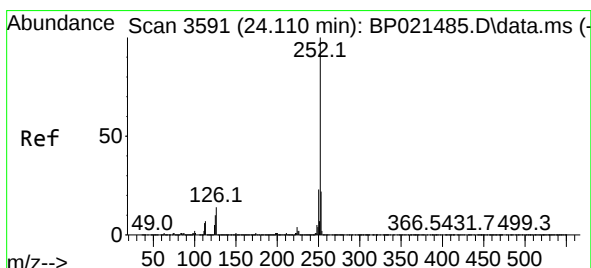
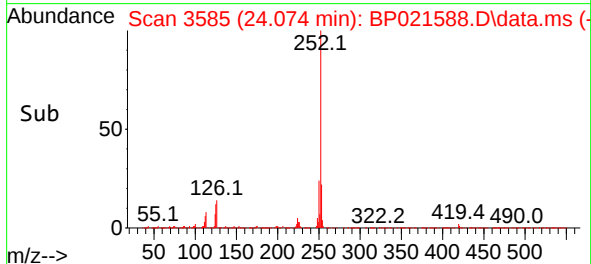
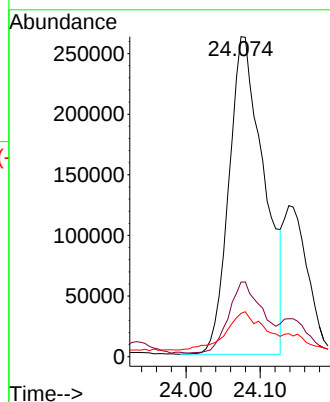
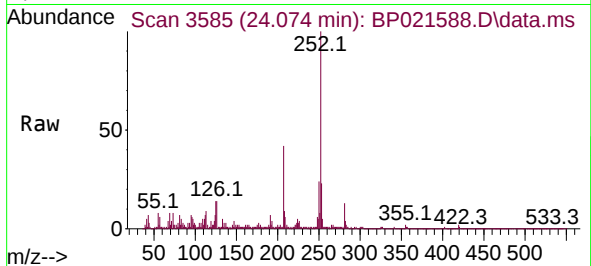
#88
Benzo(b)fluoranthene
Concen: 6.364 ng
RT: 24.074 min Scan# 3577
Delta R.T. 0.047 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724RE

Tgt Ion:252 Resp: 863050
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 13.6 8.6 13.0

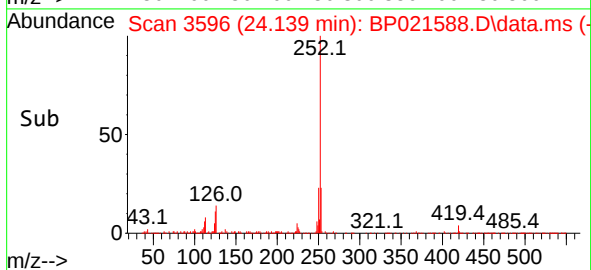
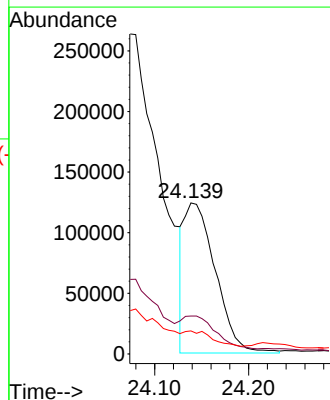
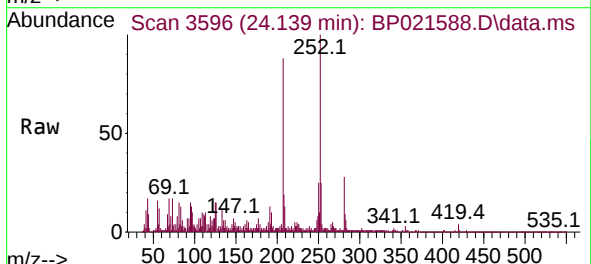
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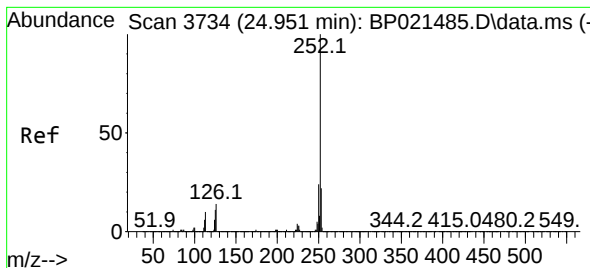
Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#89
Benzo(k)fluoranthene
Concen: 2.147 ng m
RT: 24.139 min Scan# 3596
Delta R.T. 0.029 min
Lab File: BP021588.D
Acq: 21 Aug 2024 02:02

Tgt Ion:252 Resp: 284060
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 15.2 7.8 11.8





#90

Benzo(a)pyrene

Concen: 5.142 ng

RT: 25.003 min Scan# 31

Delta R.T. 0.052 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Instrument :

BNA_P

ClientSampleId :

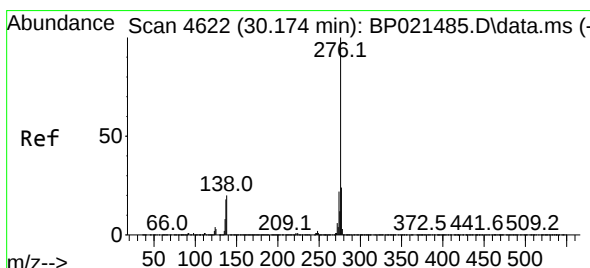
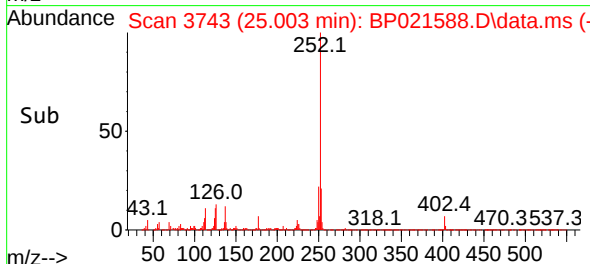
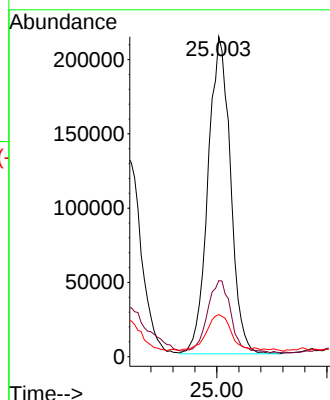
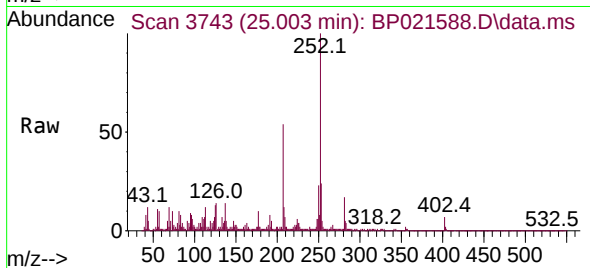
OU4-TS-15-080724RE

Tgt Ion:	252	Resp:	60514
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.7	26.5
125	13.2	8.7	13.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#92

Benzo(g,h,i)perylene

Concen: 3.258 ng

RT: 30.279 min Scan# 4640

Delta R.T. 0.105 min

Lab File: BP021588.D

Acq: 21 Aug 2024 02:02

Tgt Ion:	276	Resp:	415294
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.0	28.6
138	21.9	16.0	24.0

