

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
 Data File : BP021562.D
 Acq On : 19 Aug 2024 21:03
 Operator : RC/JU
 Sample : P3518-29
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
 Supervised By :mohammad ahmed 08/21/2024

Quant Time: Aug 20 00:09:25 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	389378	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1621279	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1064838	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2274834	20.000	ng	0.00
76) Chrysene-d12	21.721	240	2002605	20.000	ng	0.02
86) Perylene-d12	25.162	264	2354433	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	2170247	82.761	ng	0.01
7) Phenol-d6	6.975	99	3094561	80.896	ng	0.01
23) Nitrobenzene-d5	8.951	82	1865817	59.400	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1120733	94.567	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	2734746	39.195	ng	0.00
79) Terphenyl-d14	19.980	244	4149321	40.253	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.298	178	542887	4.962	ng	99
75) Fluoranthene	19.380	202	1395222	10.394	ng	99
78) Pyrene	19.757	202	1245113	9.512	ng	99
81) Benzo(a)anthracene	21.704	228	629464	5.007	ng	94
83) Chrysene	21.768	228	579003	4.878	ng	97
87) Indeno(1,2,3-cd)pyrene	29.074	276	438307	2.872	ng	# 89
88) Benzo(b)fluoranthene	24.074	252	845420	6.252	ng	# 96
89) Benzo(k)fluoranthene	24.139	252	295113m	2.237	ng	
90) Benzo(a)pyrene	24.998	252	609890	5.197	ng	# 94
92) Benzo(g,h,i)perylene	30.297	276	412369	3.244	ng	98

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

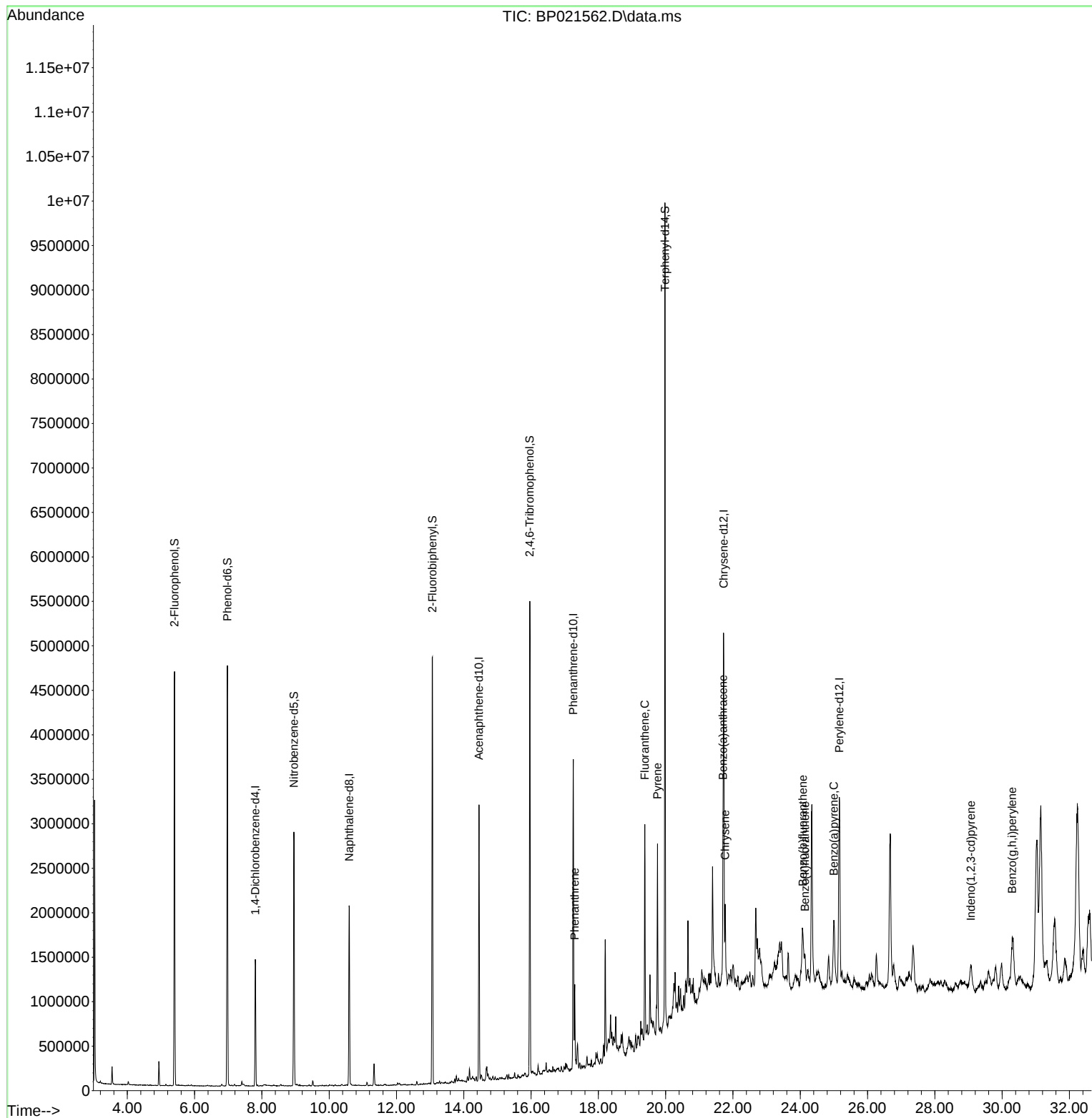
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
Data File : BP021562.D
Acq On : 19 Aug 2024 21:03
Operator : RC/JU
Sample : P3518-29
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ALS Vial : 15 Sample Multiplier: 1

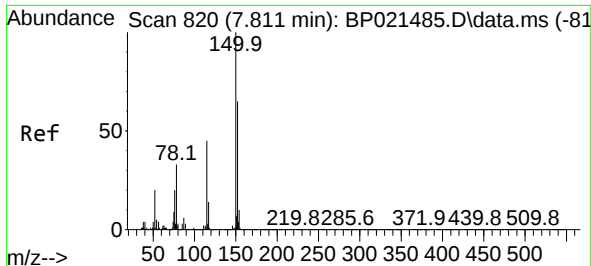
Instrument :
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ClientSampleId :
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Quant Time: Aug 20 00:09:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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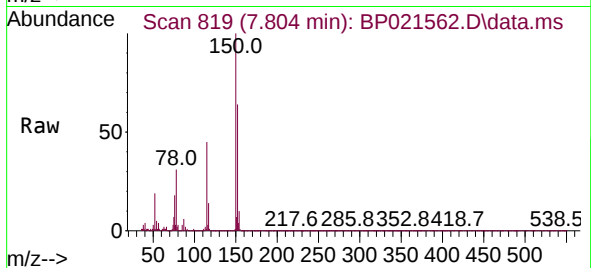
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

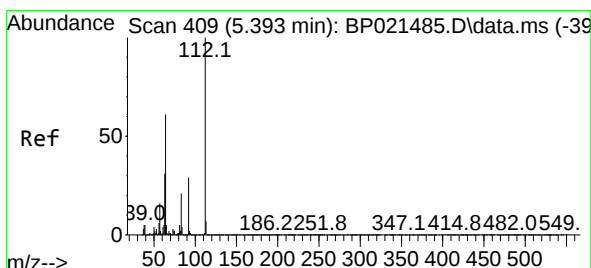
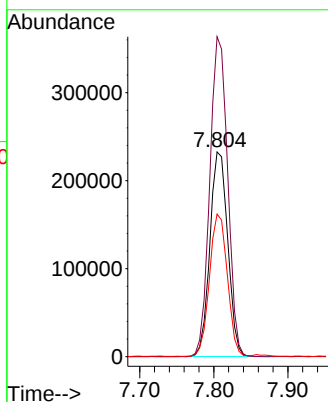
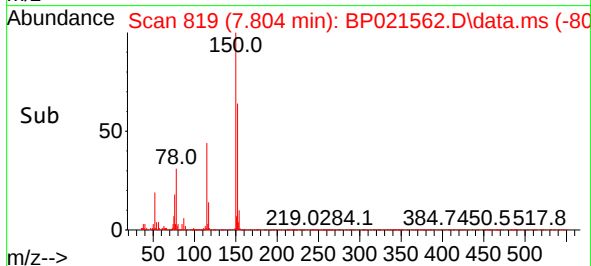
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724



Tgt Ion:152 Resp: 389378
Ion Ratio Lower Upper
152 100
150 156.3 122.4 183.6
115 69.6 54.7 82.1

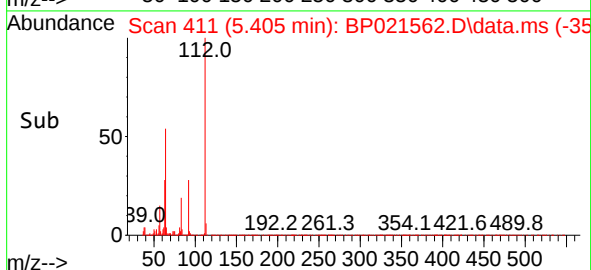
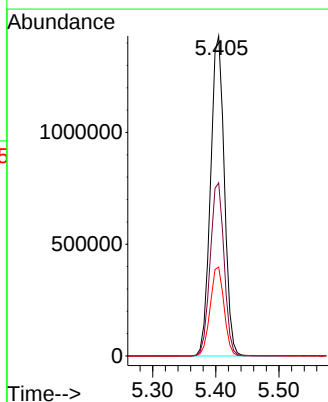
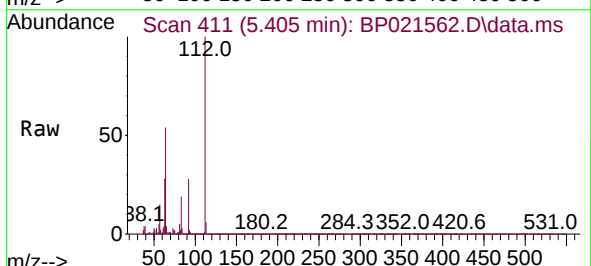
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#5
2-Fluorophenol
Concen: 82.761 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:112 Resp: 2170247
Ion Ratio Lower Upper
112 100
64 54.1 49.0 73.6
63 27.8 24.6 36.8





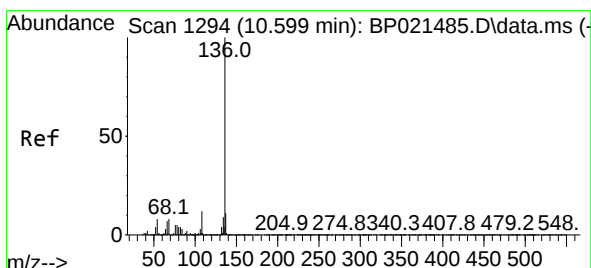
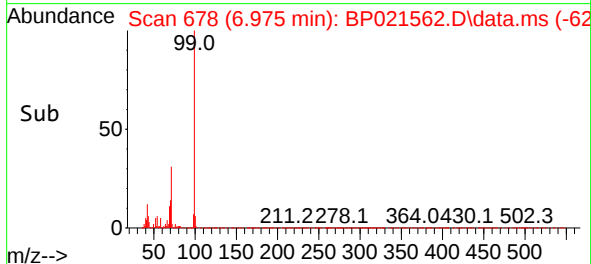
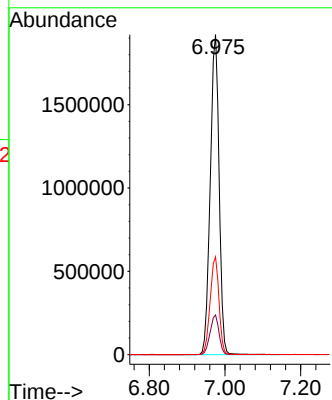
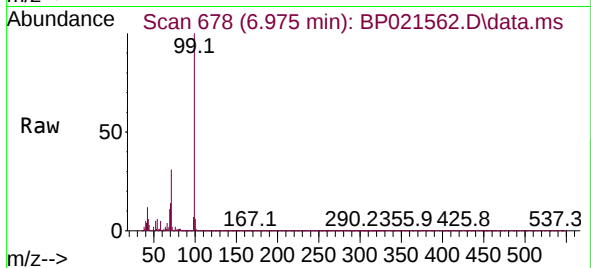
#7
Phenol-d6
Concen: 80.896 ng
RT: 6.975 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

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

Tgt Ion: 99 Resp: 309456
Ion Ratio Lower Upper
99 100
42 12.4 10.2 15.4
71 30.5 25.8 38.8

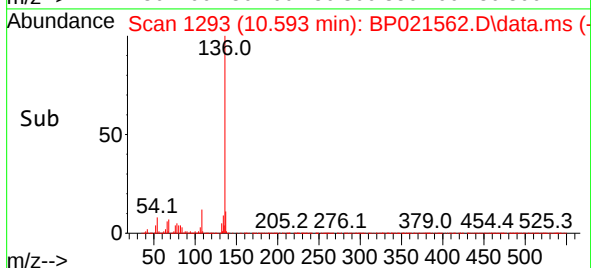
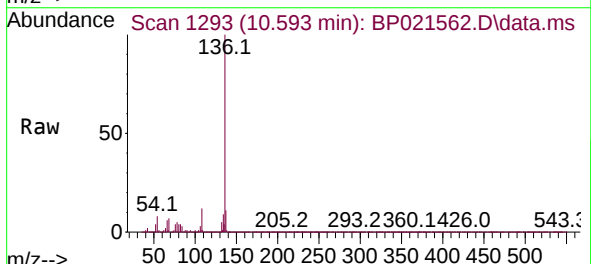
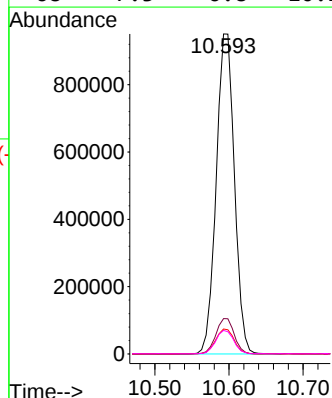
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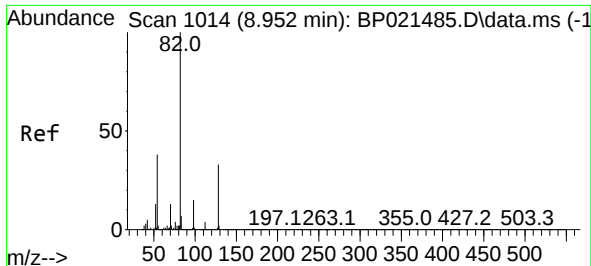
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:136 Resp: 1621279
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.8 6.3 9.5
68 7.3 6.8 10.2





#23
Nitrobenzene-d5
Concen: 59.400 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

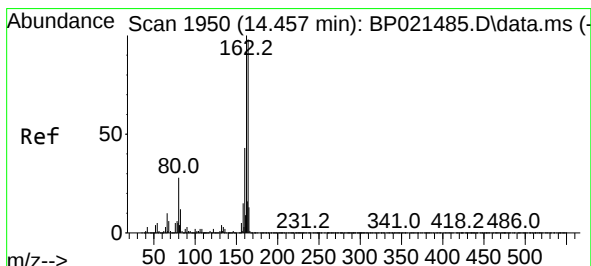
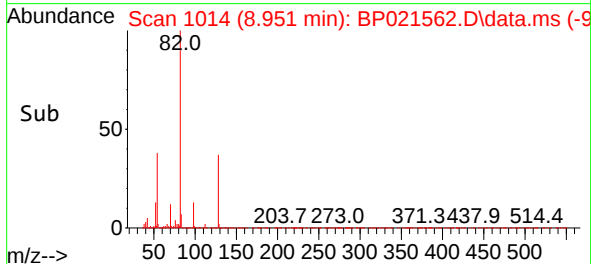
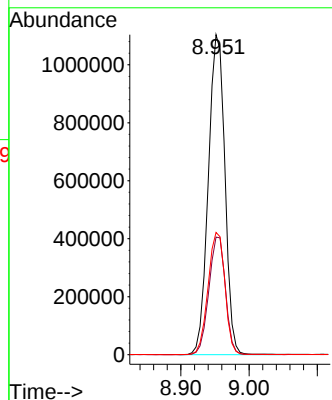
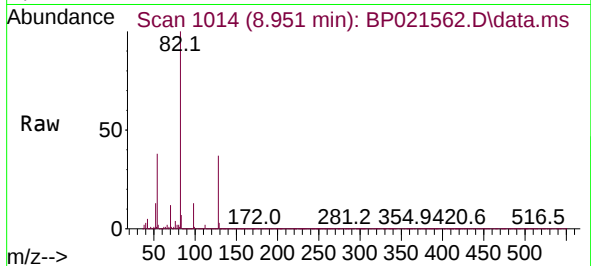
ClientSampleId :

OU4-TS-15-080724

Tgt Ion: 82 Resp: 186581
Ion Ratio Lower Upper
82 100
128 36.8 26.5 39.7
54 38.2 30.3 45.5

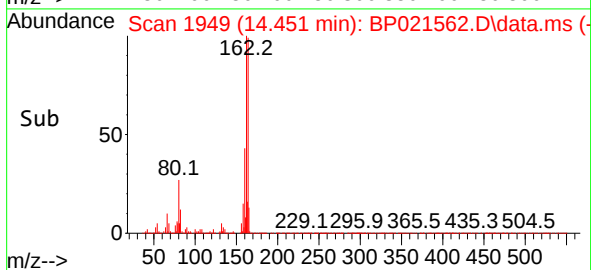
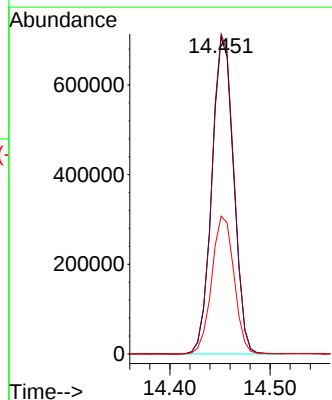
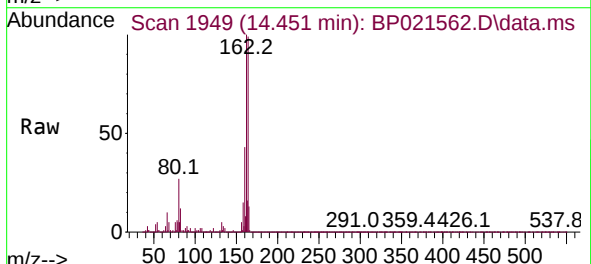
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Supervised By :mohammad ahmed 08/21/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:164 Resp: 1064838
Ion Ratio Lower Upper
164 100
162 101.0 81.5 122.3
160 43.5 35.2 52.8





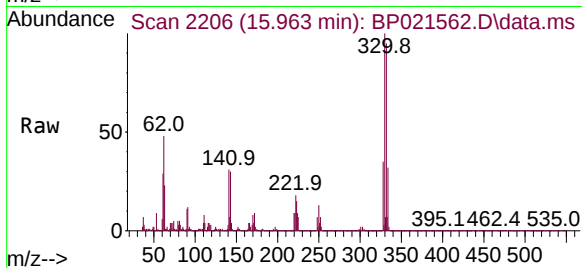
#42
2,4,6-Tribromophenol
Concen: 94.567 ng
RT: 15.963 min Scan# 211
Delta R.T. -0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

OU4-TS-15-080724

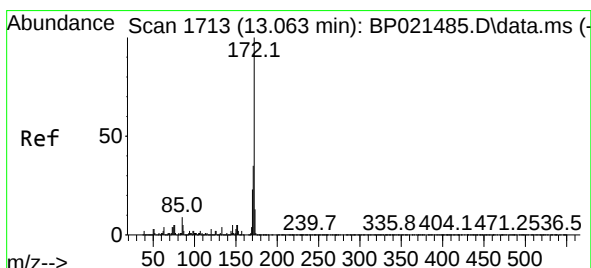
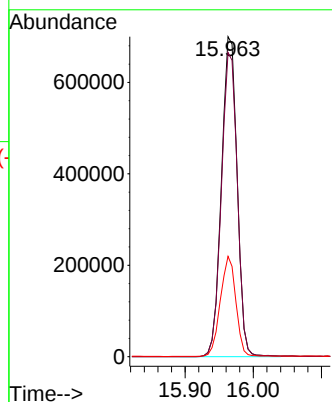
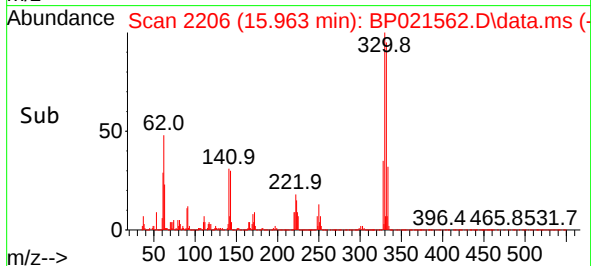


Tgt Ion:330 Resp: 112073
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 30.9 24.5 36.7

Manual Integrations

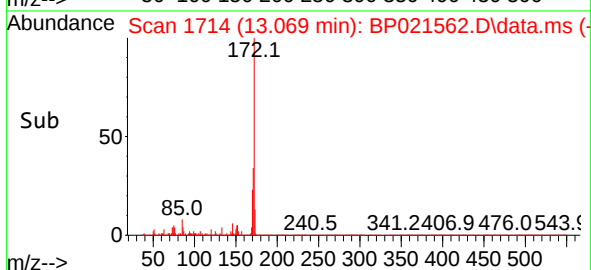
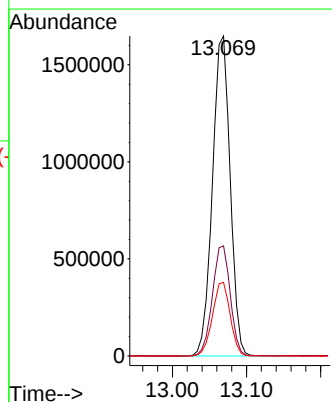
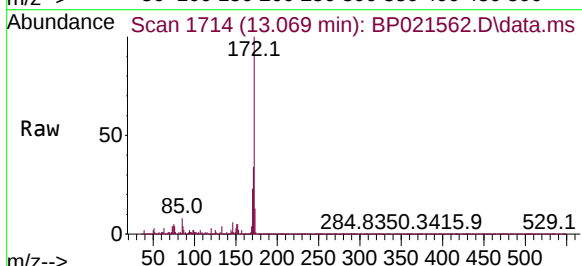
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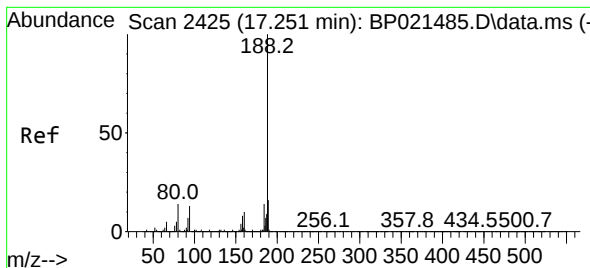
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#45
2-Fluorobiphenyl
Concen: 39.195 ng
RT: 13.069 min Scan# 1714
Delta R.T. 0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

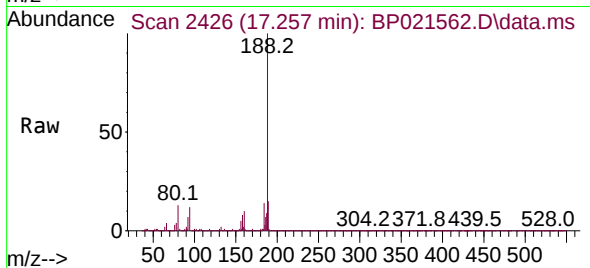
Tgt Ion:172 Resp: 2734746
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.4
170 23.0 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

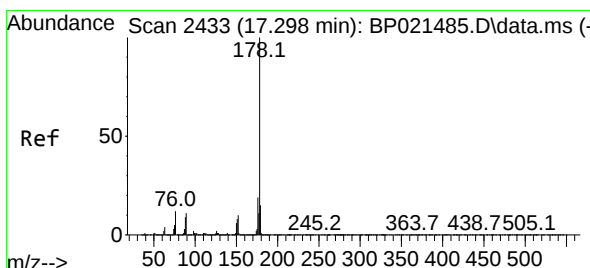
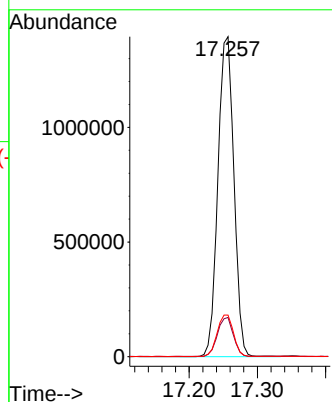
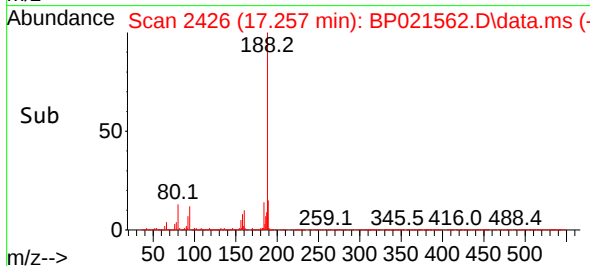
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724



Tgt Ion:188 Resp: 2274834
Ion Ratio Lower Upper
188 100
94 12.3 10.2 15.4
80 13.0 11.6 17.4

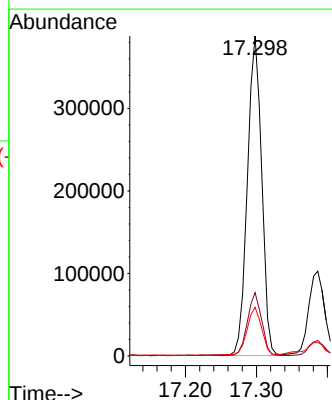
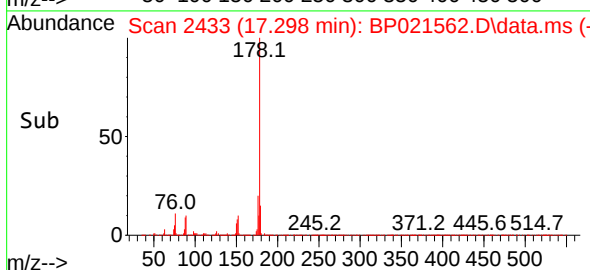
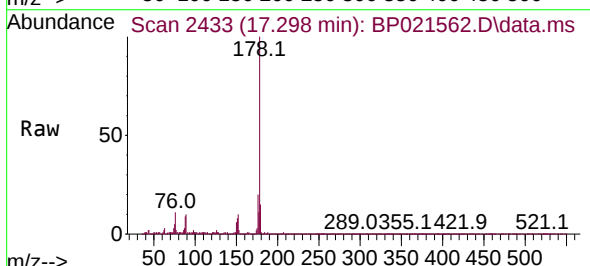
Manual Integrations
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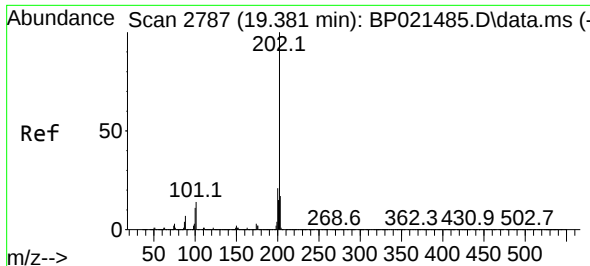
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#71
Phenanthrene
Concen: 4.962 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:178 Resp: 542887
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 10.394 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

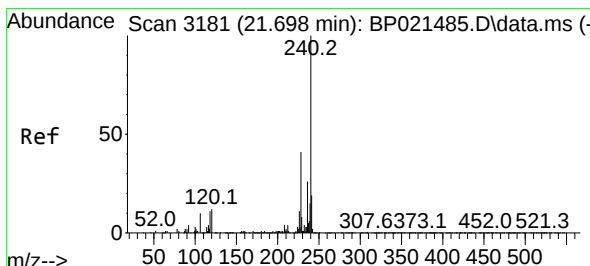
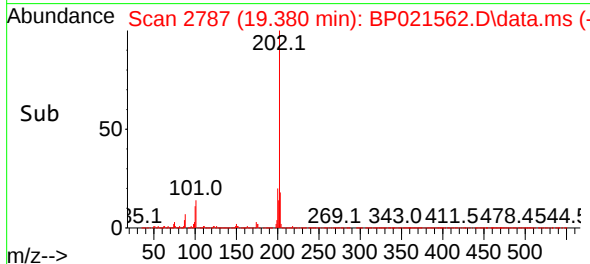
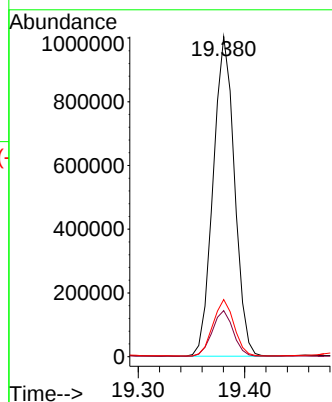
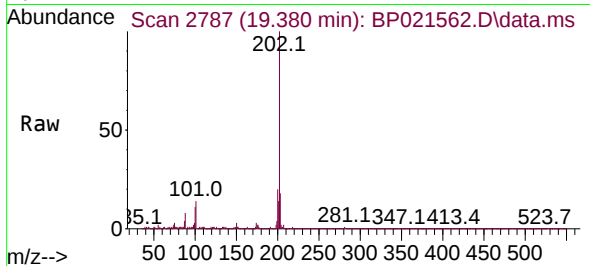
ClientSampleId :

OU4-TS-15-080724

Tgt Ion:202 Resp: 139522
Ion Ratio Lower Upper
202 100
101 14.4 0.0 34.0
203 17.9 0.0 37.5

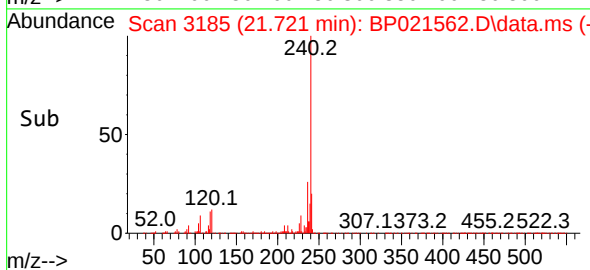
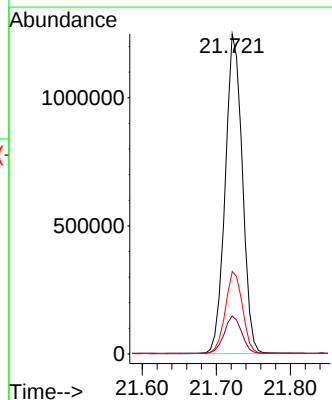
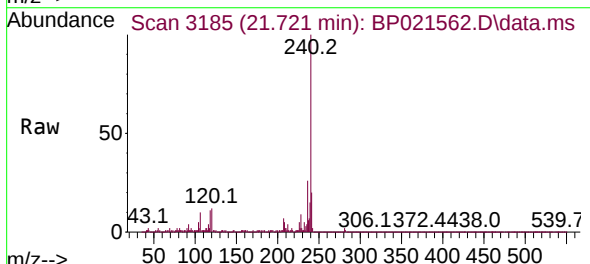
Manual Integrations
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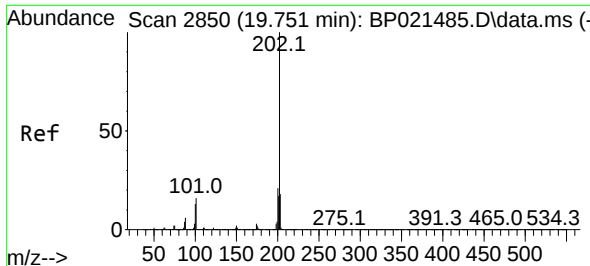
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3185
Delta R.T. 0.023 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

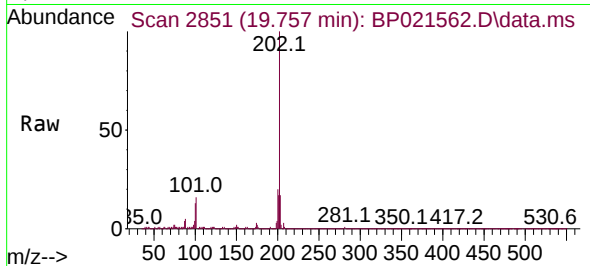
Tgt Ion:240 Resp: 2002605
Ion Ratio Lower Upper
240 100
120 11.9 9.9 14.9
236 25.8 20.6 30.8





#78
Pyrene
Concen: 9.512 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

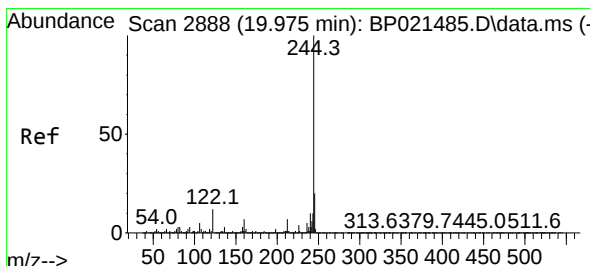
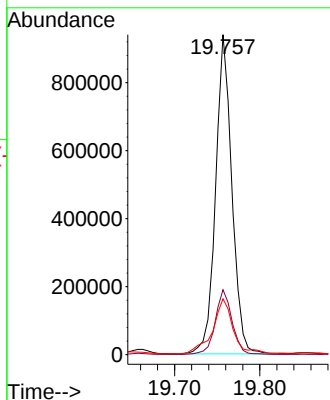
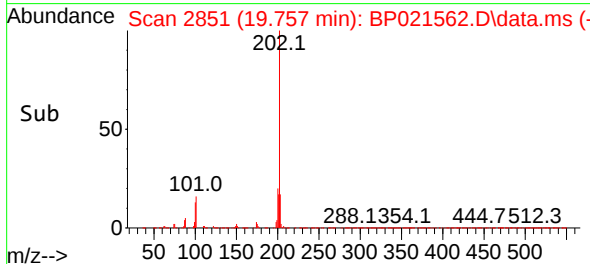
Instrument :
BNA_P
ClientSampleId :
OU4-TS-15-080724



Tgt Ion:202 Resp: 124511
Ion Ratio Lower Upper
202 100
200 20.3 16.7 25.1
203 17.4 14.1 21.1

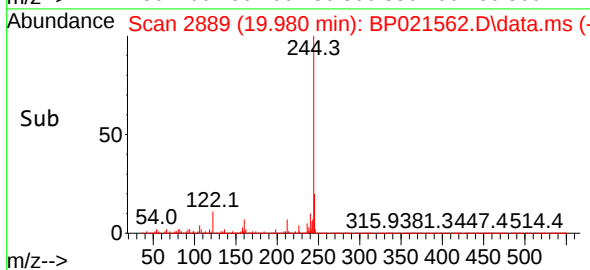
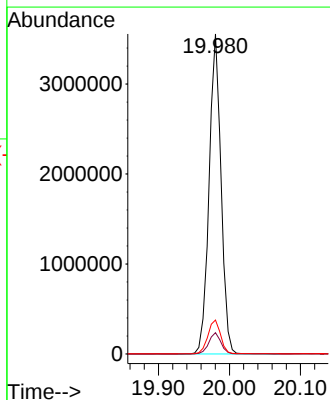
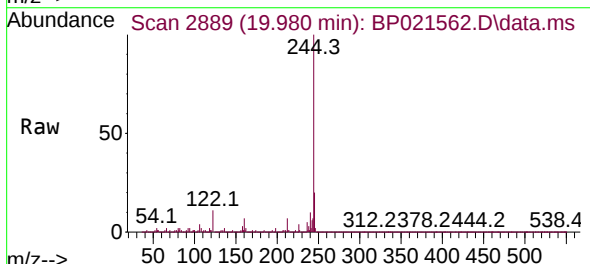
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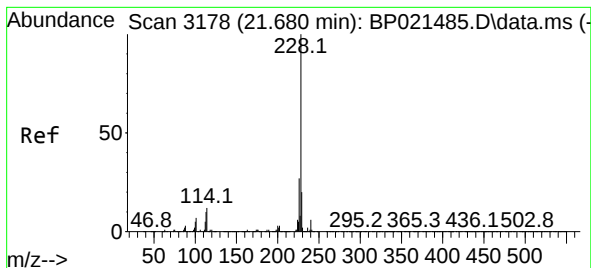
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#79
Terphenyl-d14
Concen: 40.253 ng
RT: 19.980 min Scan# 2889
Delta R.T. 0.005 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:244 Resp: 4149321
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 10.6 9.4 14.2





#81

Benzo(a)anthracene

Concen: 5.007 ng

RT: 21.704 min Scan# 3178

Delta R.T. 0.023 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

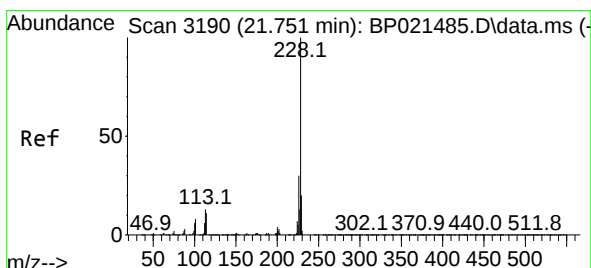
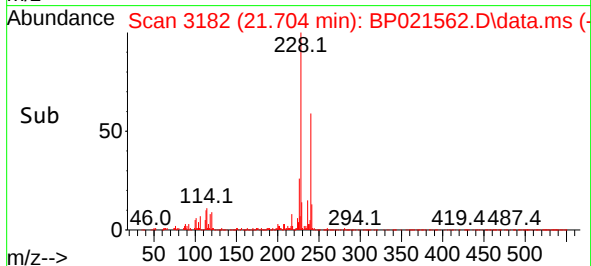
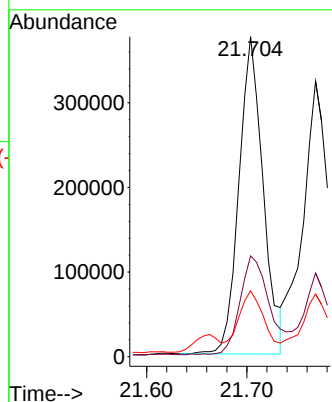
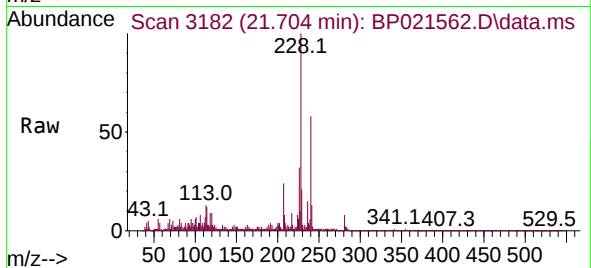
OU4-TS-15-080724

Tgt Ion:	228	Resp:	62946
Ion Ratio	Lower	Upper	
228	100		
226	31.5	21.4	32.2
229	20.6	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#83

Chrysene

Concen: 4.878 ng

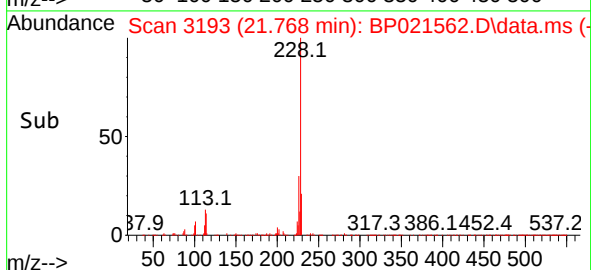
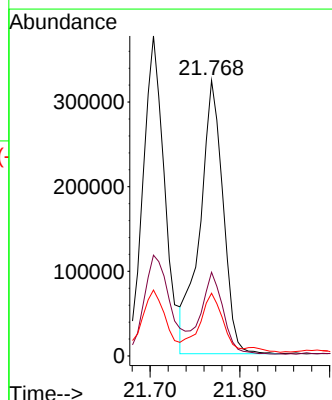
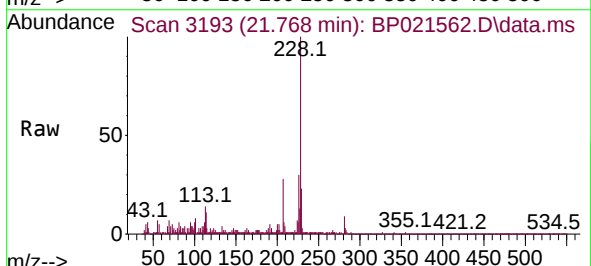
RT: 21.768 min Scan# 3193

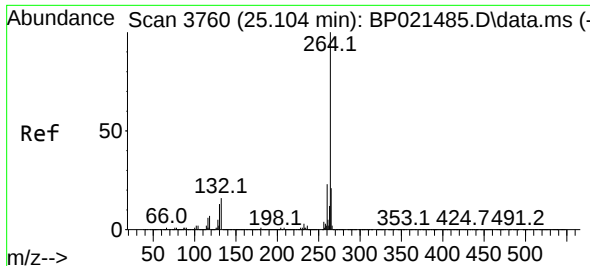
Delta R.T. 0.017 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Tgt Ion:	228	Resp:	579003
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.9	35.9
229	22.7	15.8	23.6





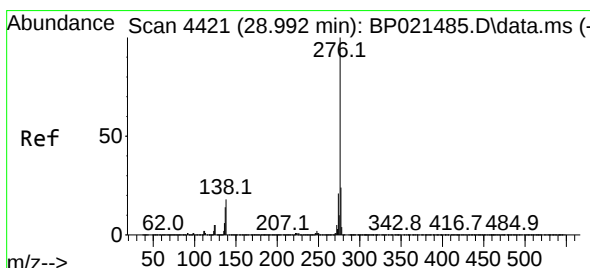
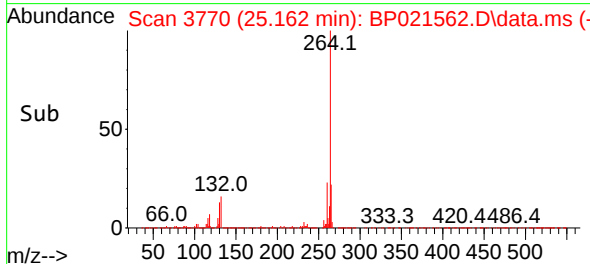
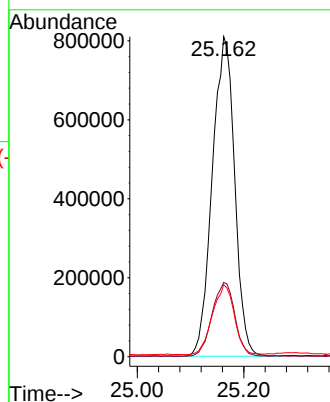
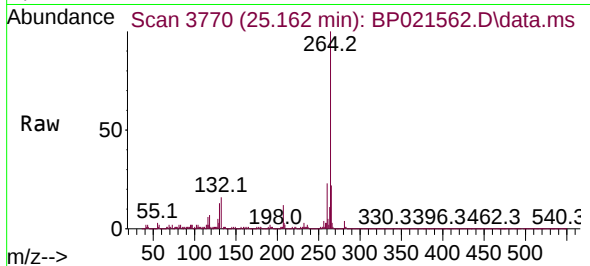
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.162 min Scan# 31
Delta R.T. 0.059 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

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

Tgt Ion:264 Resp: 235443
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 22.4 17.1 25.7

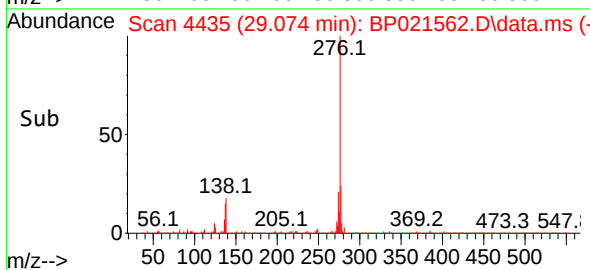
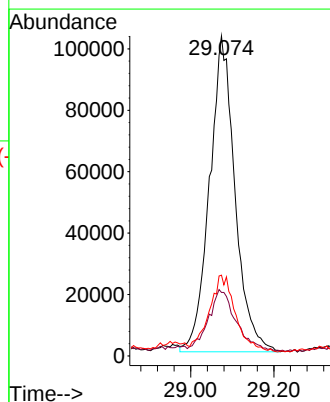
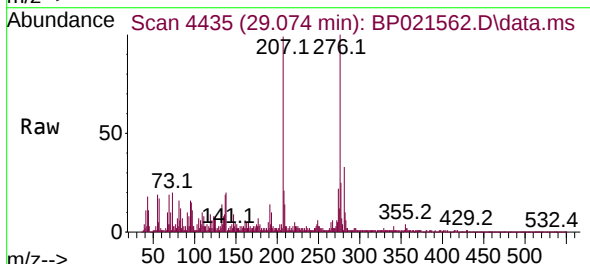
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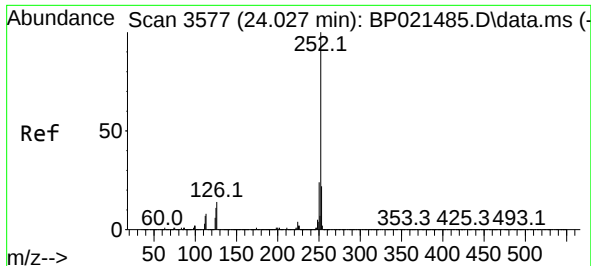
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.872 ng
RT: 29.074 min Scan# 4435
Delta R.T. 0.082 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:276 Resp: 438307
Ion Ratio Lower Upper
276 100
138 21.0 12.8 19.2#
277 25.2 16.5 24.7#





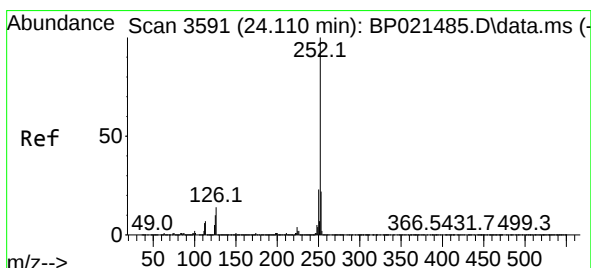
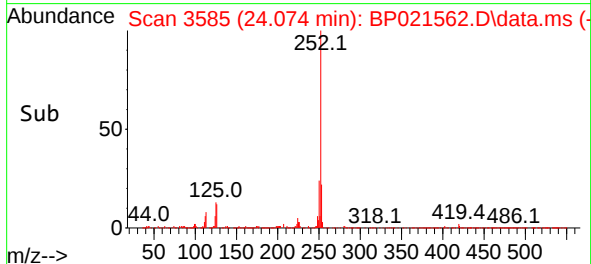
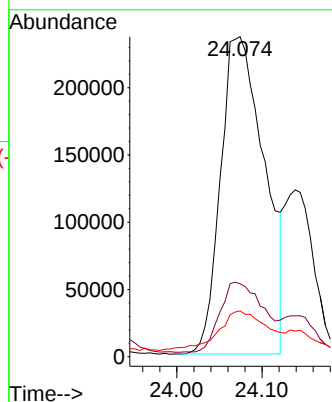
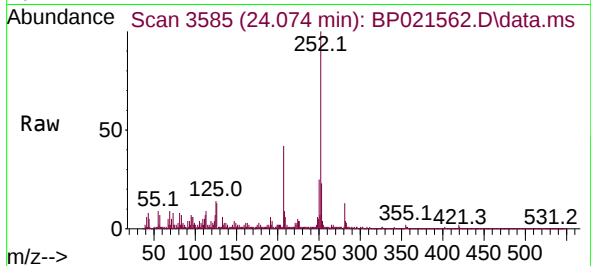
#88
Benzo(b)fluoranthene
Concen: 6.252 ng
RT: 24.074 min Scan# 3577
Delta R.T. 0.047 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

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

Tgt Ion:252 Resp: 845420
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 14.3 8.6 13.0

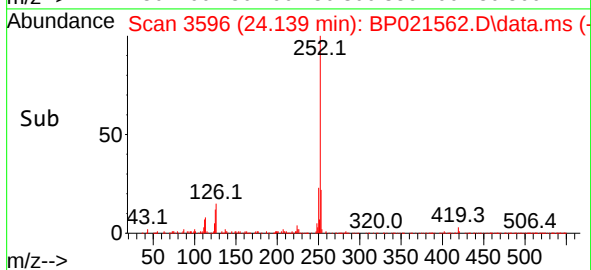
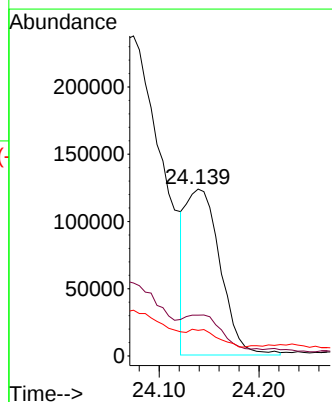
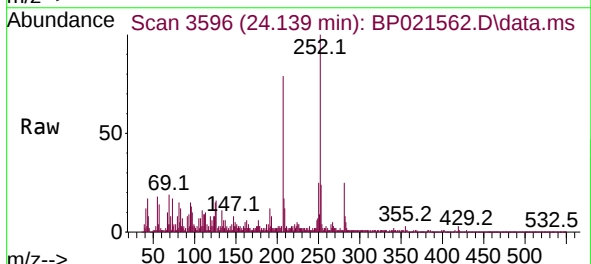
Manual Integrations
APPROVED

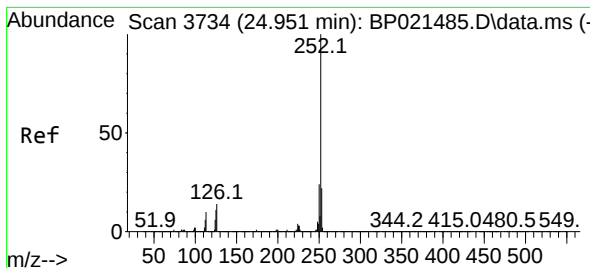
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#89
Benzo(k)fluoranthene
Concen: 2.237 ng m
RT: 24.139 min Scan# 3596
Delta R.T. 0.029 min
Lab File: BP021562.D
Acq: 19 Aug 2024 21:03

Tgt Ion:252 Resp: 295113
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 15.3 7.8 11.8





#90

Benzo(a)pyrene

Concen: 5.197 ng

RT: 24.998 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Instrument :

BNA_P

ClientSampleId :

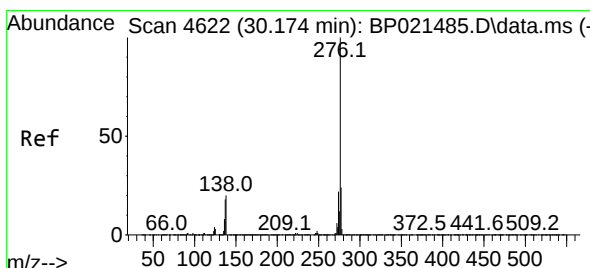
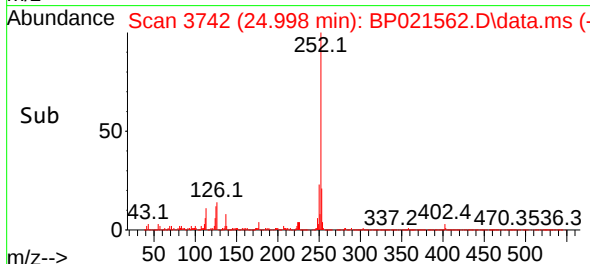
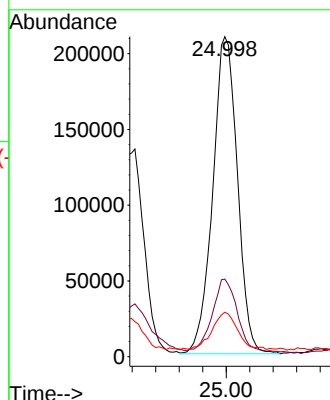
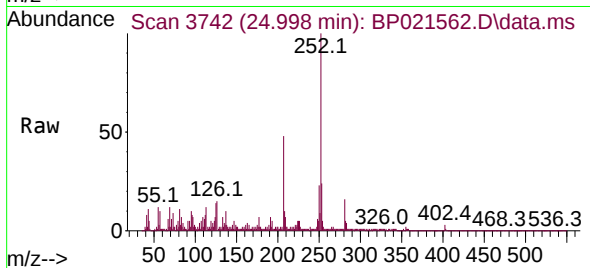
OU4-TS-15-080724

Tgt Ion:252 Resp: 609890
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.7 26.5
 125 13.9 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024
 Supervised By :mohammad ahmed 08/21/2024



#92

Benzo(g,h,i)perylene

Concen: 3.244 ng

RT: 30.297 min Scan# 4643

Delta R.T. 0.123 min

Lab File: BP021562.D

Acq: 19 Aug 2024 21:03

Tgt Ion:276 Resp: 412369
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.0 28.6
 138 21.5 16.0 24.0

