

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
 Data File : BP021543.D
 Acq On : 16 Aug 2024 17:22
 Operator : RC/JU
 Sample : P3519-03RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/17/2024
 Supervised By :mohammad ahmed 08/17/2024

Quant Time: Aug 16 18:08:10 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	7.816	152	586383	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	2455992	20.000	ng	0.01
39) Acenaphthene-d10	14.463	164	1427841	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	2210596	20.000	ng	0.02
76) Chrysene-d12	21.722	240	1703396	20.000	ng	0.02
86) Perylene-d12	25.151	264	2165748	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	2974658	75.325	ng	0.02
7) Phenol-d6	6.981	99	4297609	74.601	ng	0.02
23) Nitrobenzene-d5	8.963	82	2584879	54.324	ng	0.01
42) 2,4,6-Tribromophenol	15.981	330	1045442	65.787	ng	0.01
45) 2-Fluorobiphenyl	13.075	172	4071323	43.517	ng	0.01
79) Terphenyl-d14	19.981	244	3154261	35.974	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.316	178	990325	9.315	ng	100
72) Anthracene	17.404	178	257691	2.472	ng	99
75) Fluoranthene	19.392	202	1389563	10.653	ng	99
78) Pyrene	19.769	202	1239309	11.131	ng	99
81) Benzo(a)anthracene	21.704	228	620105	5.799	ng	96
83) Chrysene	21.775	228	638742m	6.327	ng	
87) Indeno(1,2,3-cd)pyrene	29.051	276	460156	3.278	ng	# 87
88) Benzo(b)fluoranthene	24.063	252	833375	6.700	ng	# 95
89) Benzo(k)fluoranthene	24.127	252	320783m	2.644	ng	
90) Benzo(a)pyrene	24.992	252	672687	6.232	ng	# 95
92) Benzo(g,h,i)perylene	30.268	276	422980	3.618	ng	98

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

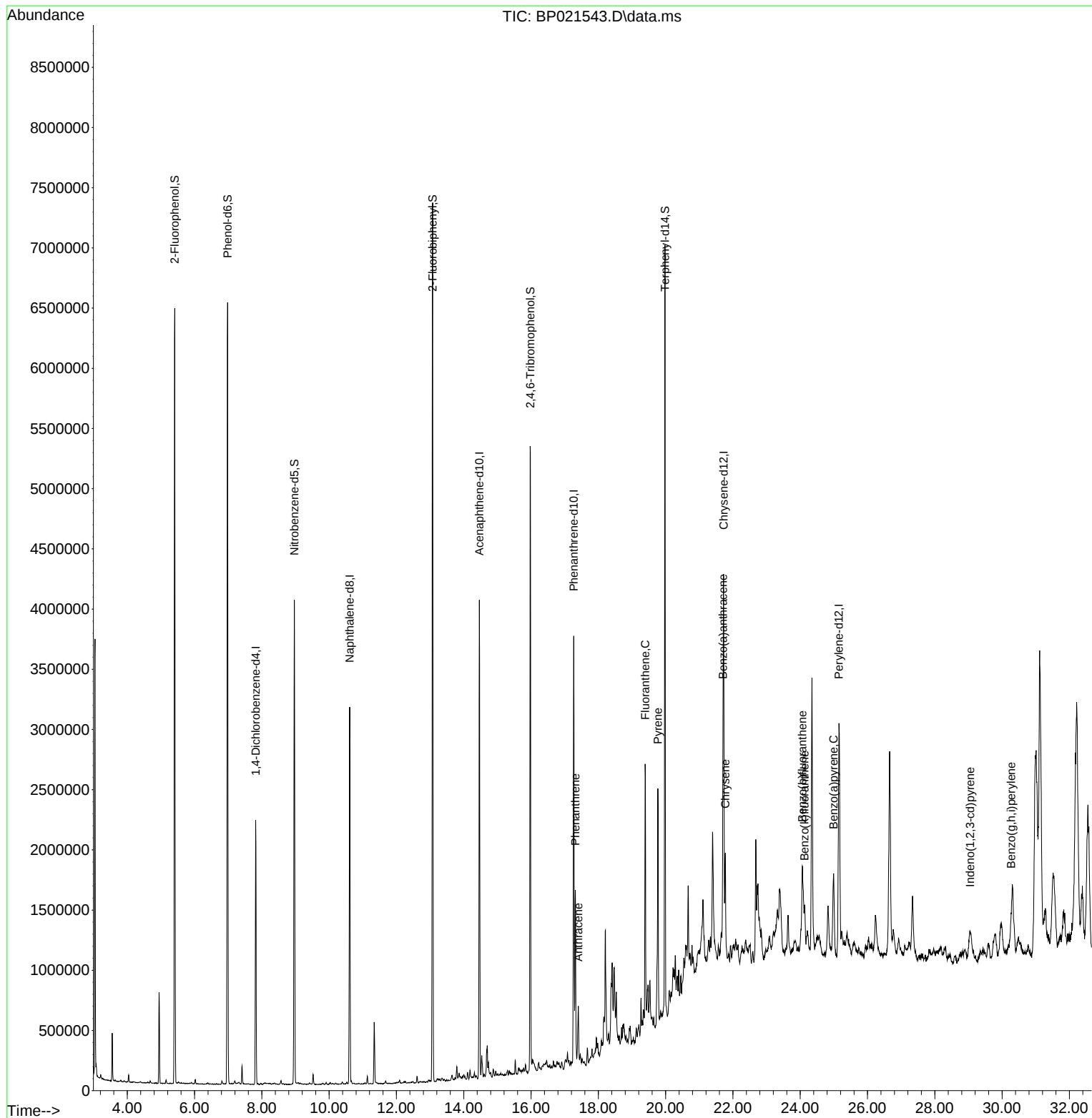
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081624\
Data File : BP021543.D
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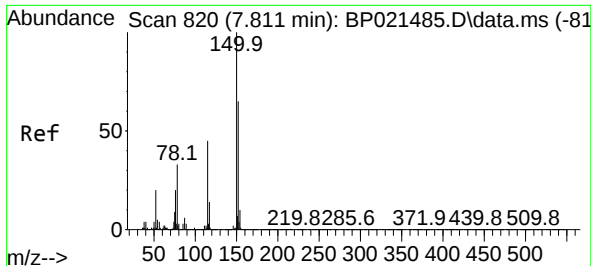
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OU4-TS-17-080724RE

Quant Time: Aug 16 18:08:10 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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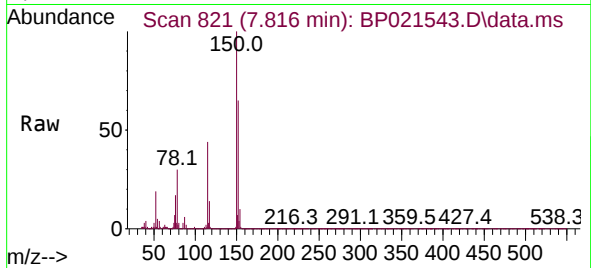
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

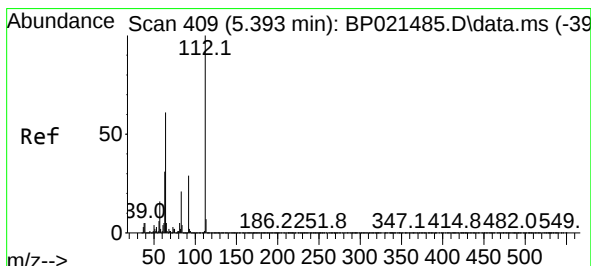
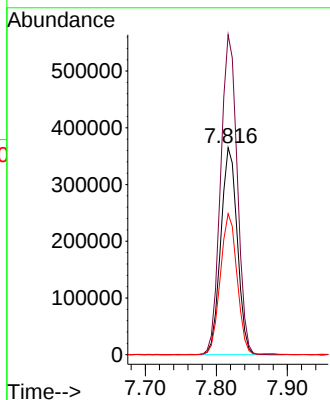
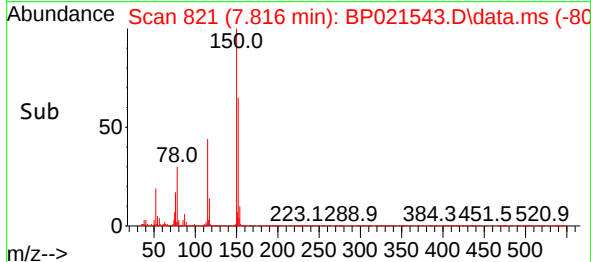
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



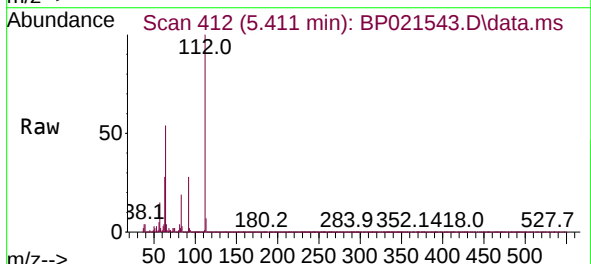
Tgt Ion:152 Resp: 58638
Ion Ratio Lower Upper
152 100
150 154.6 122.4 183.6
115 68.1 54.7 82.1

Manual Integrations
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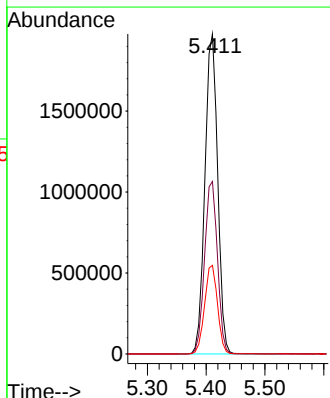
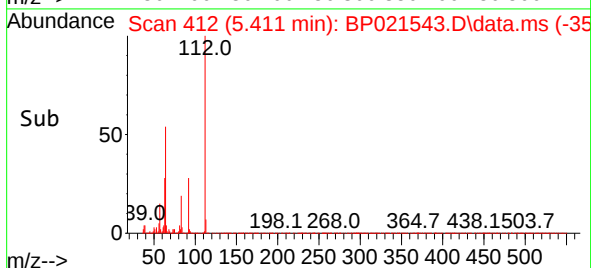
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024



#5
2-Fluorophenol
Concen: 75.325 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22



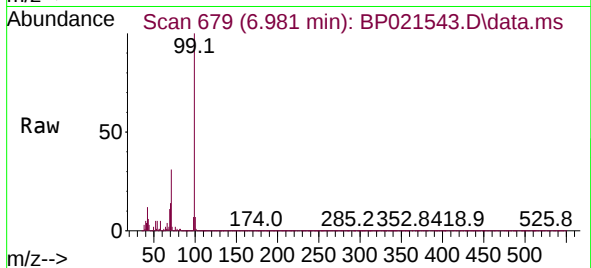
Tgt Ion:112 Resp: 2974658
Ion Ratio Lower Upper
112 100
64 53.9 49.0 73.6
63 27.7 24.6 36.8





#7
Phenol-d6
Concen: 74.601 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

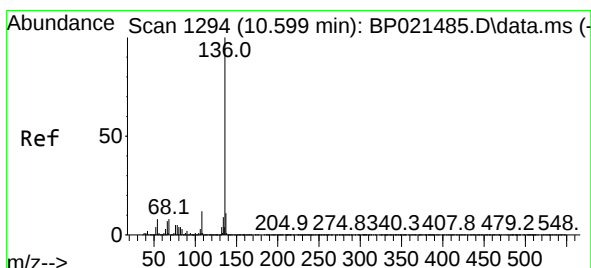
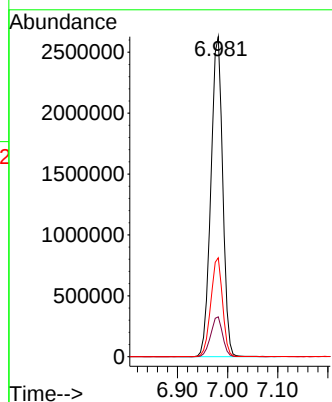
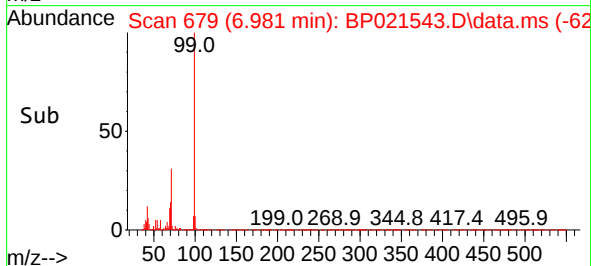
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



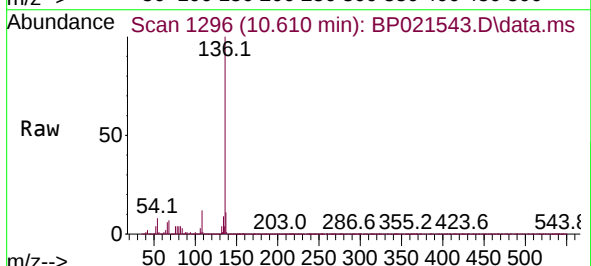
Tgt Ion: 99 Resp: 4297609
Ion Ratio Lower Upper
99 100
42 12.5 10.2 15.4
71 30.9 25.8 38.8

Manual Integrations
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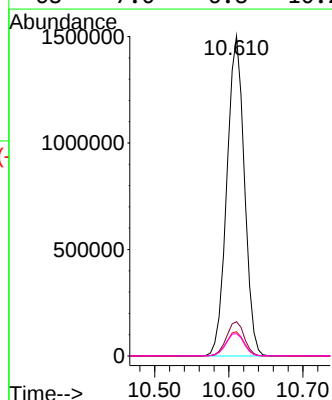
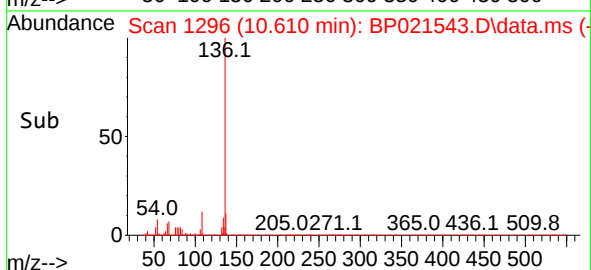
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. 0.011 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22



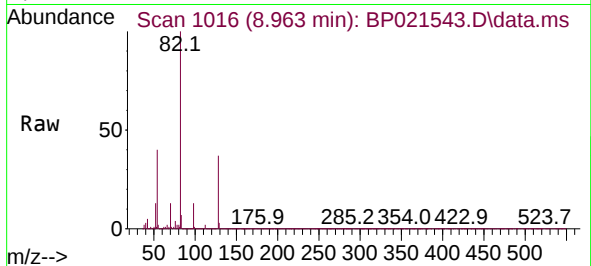
Tgt Ion:136 Resp: 2455992
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 6.3 9.5
68 7.0 6.8 10.2





#23
Nitrobenzene-d5
Concen: 54.324 ng
RT: 8.963 min Scan# 1016
Delta R.T. 0.012 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

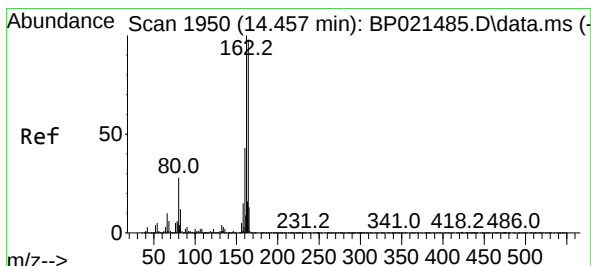
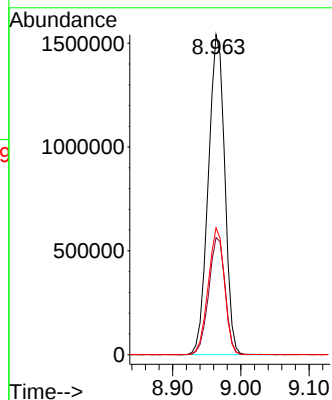
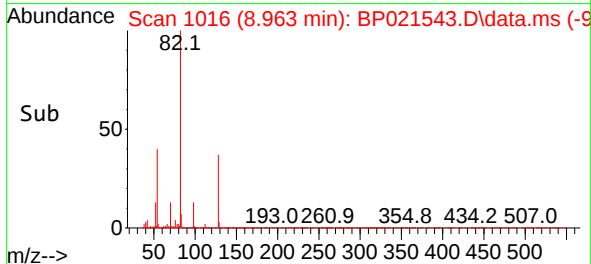
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



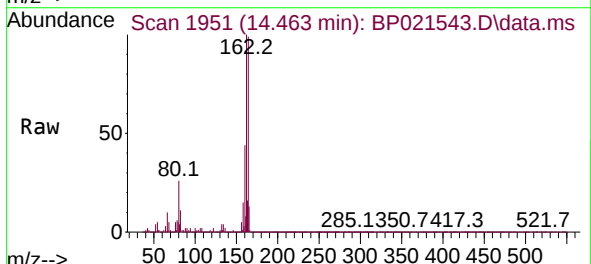
Tgt Ion: 82 Resp: 2584879
Ion Ratio Lower Upper
82 100
128 36.6 26.5 39.7
54 39.6 30.3 45.5

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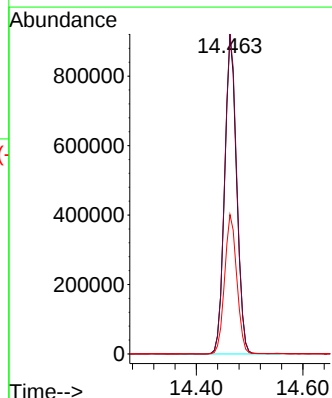
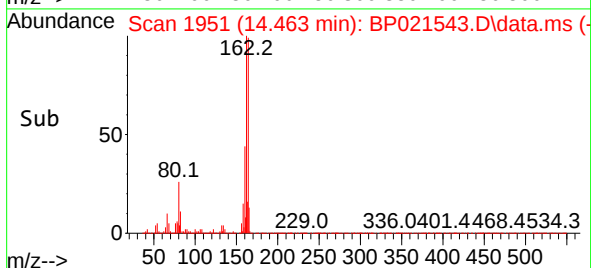
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. 0.006 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22



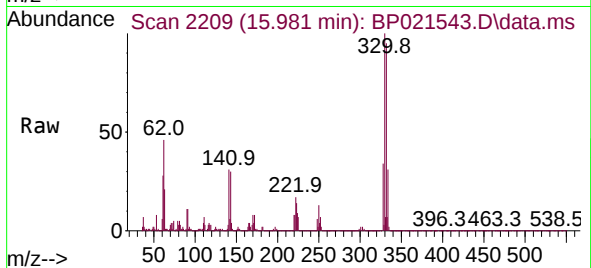
Tgt Ion:164 Resp: 1427841
Ion Ratio Lower Upper
164 100
162 100.6 81.5 122.3
160 43.8 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 65.787 ng
RT: 15.981 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

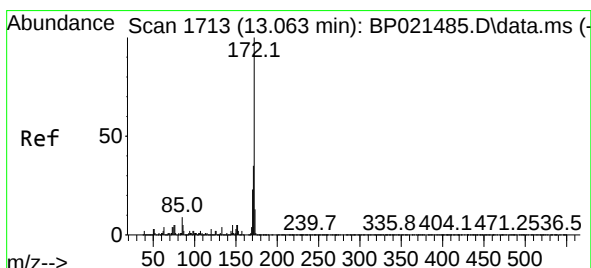
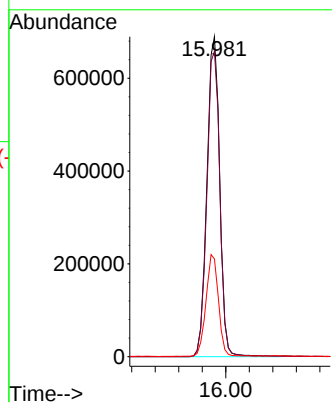
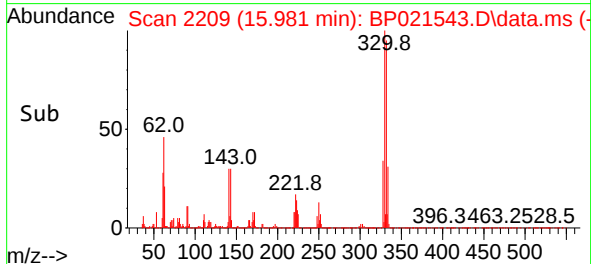
Instrument :
BNA_P
ClientSampleId :
OU4-TS-17-080724RE



Tgt Ion:330 Resp: 104544
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 31.0 24.5 36.7

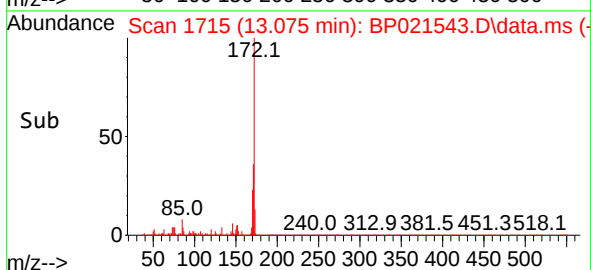
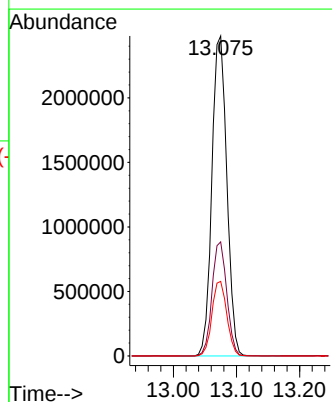
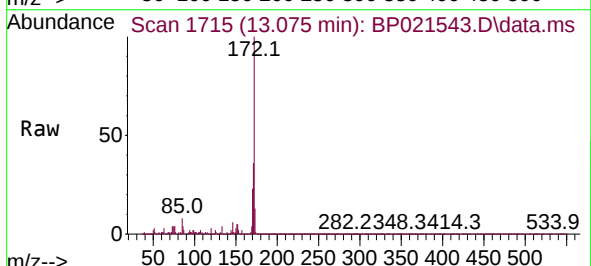
Manual Integrations
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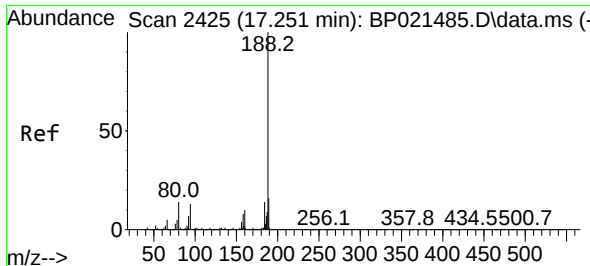
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024



#45
2-Fluorobiphenyl
Concen: 43.517 ng
RT: 13.075 min Scan# 1715
Delta R.T. 0.012 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Tgt Ion:172 Resp: 4071323
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.3 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2425
Delta R.T. 0.018 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

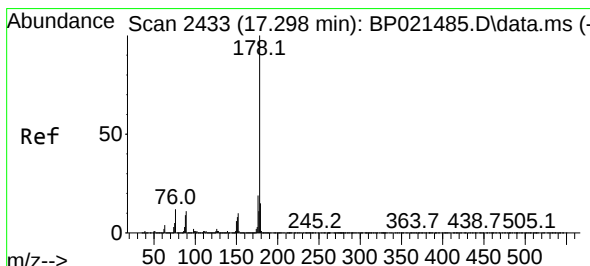
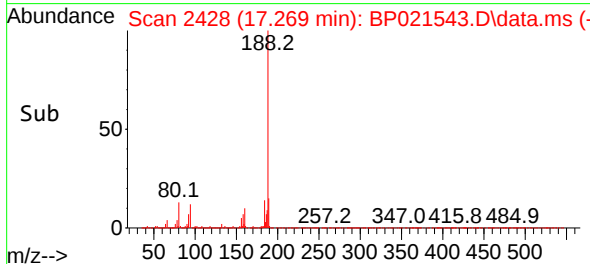
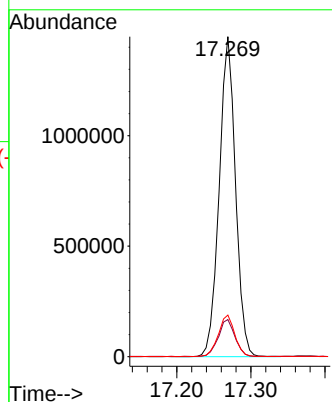
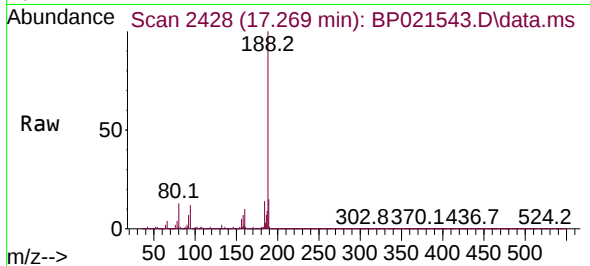
OU4-TS-17-080724RE

Tgt Ion:188 Resp: 2210590
Ion Ratio Lower Upper
188 100
94 11.6 10.2 15.4
80 13.0 11.6 17.4

Manual Integrations

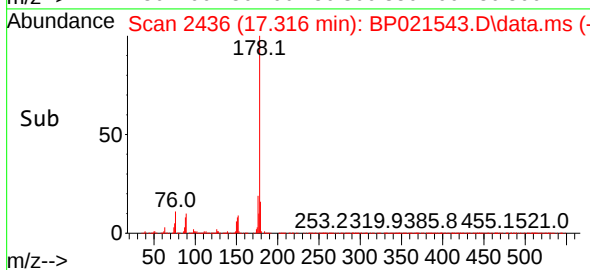
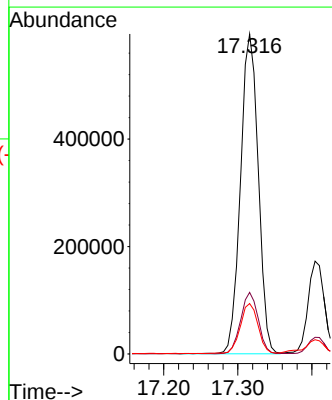
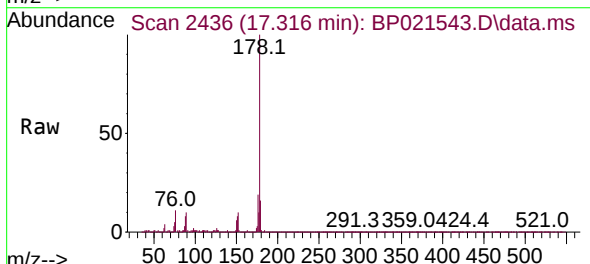
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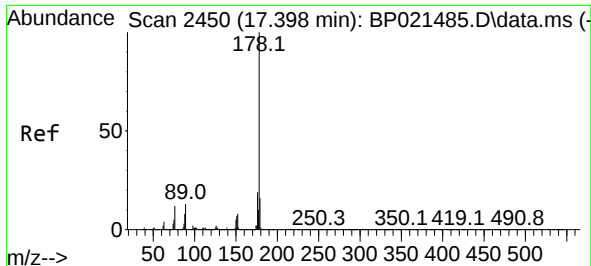
Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024



#71
Phenanthrene
Concen: 9.315 ng
RT: 17.316 min Scan# 2436
Delta R.T. 0.018 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

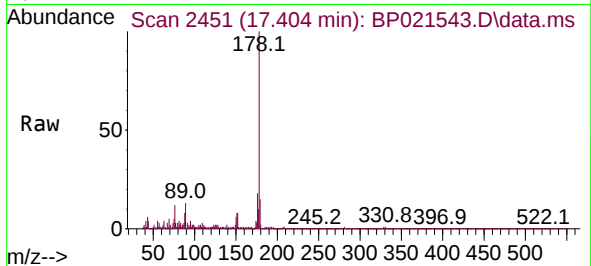
Tgt Ion:178 Resp: 990325
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.4 18.6





#72
 Anthracene
 Concen: 2.472 ng
 RT: 17.404 min Scan# 2450
 Delta R.T. 0.006 min
 Lab File: BP021543.D
 Acq: 16 Aug 2024 17:22

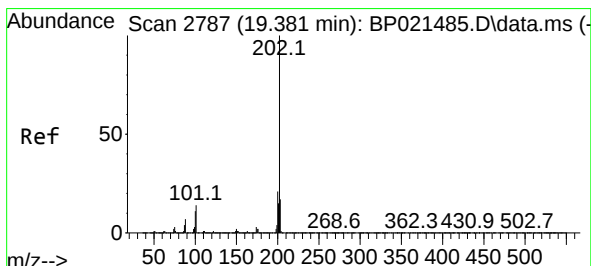
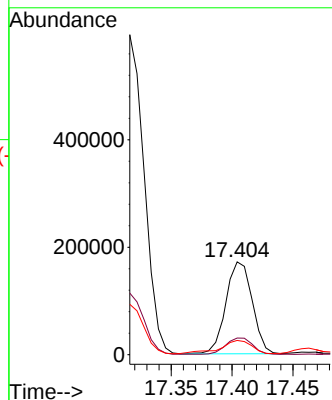
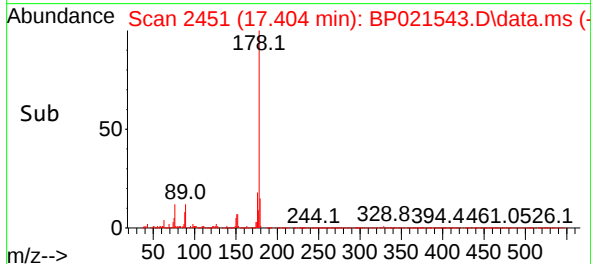
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 OU4-TS-17-080724RE



Tgt Ion:178 Resp: 25769
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.9 22.3
 179 15.3 12.5 18.7

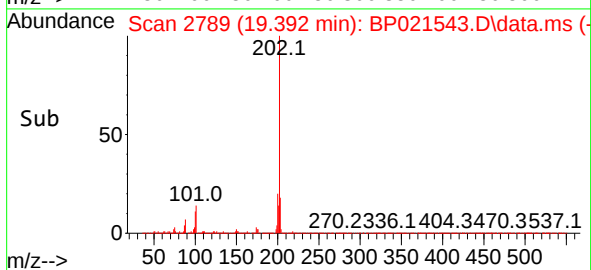
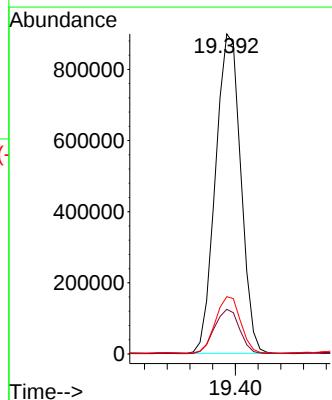
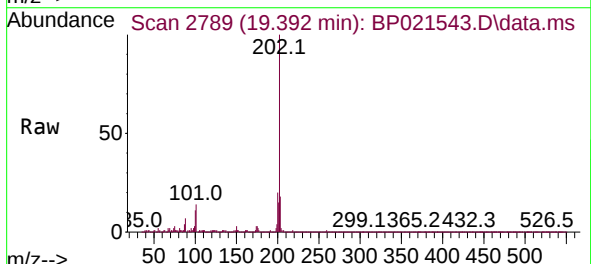
Manual Integrations
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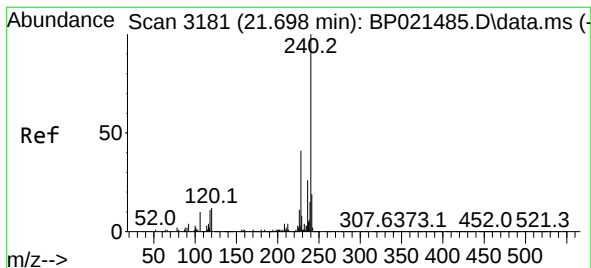
Reviewed By :Yogesh Patel 08/17/2024
 Supervised By :mohammad ahmed 08/17/2024



#75
 Fluoranthene
 Concen: 10.653 ng
 RT: 19.392 min Scan# 2789
 Delta R.T. 0.012 min
 Lab File: BP021543.D
 Acq: 16 Aug 2024 17:22

Tgt Ion:202 Resp: 1389563
 Ion Ratio Lower Upper
 202 100
 101 14.0 0.0 34.0
 203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.722 min Scan# 3181

Delta R.T. 0.024 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

Tgt Ion:240 Resp: 1703390

Ion Ratio Lower Upper

240 100

120 11.9 9.9 14.9

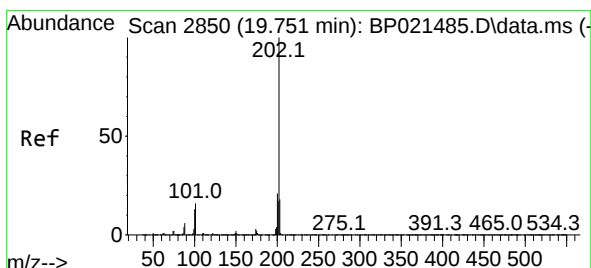
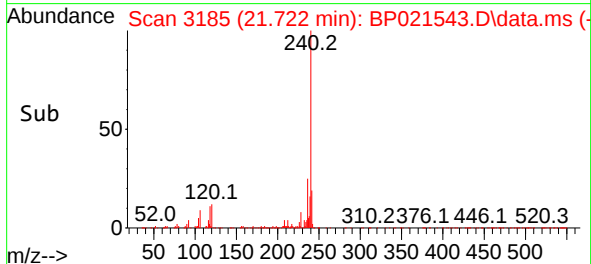
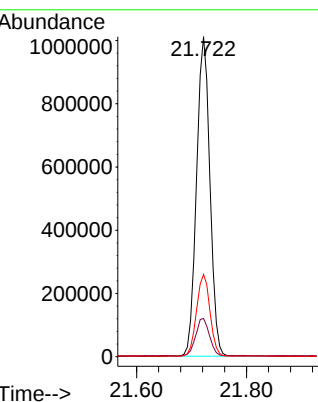
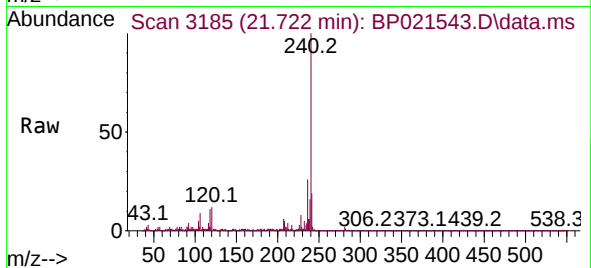
236 25.7 20.6 30.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2024

Supervised By :mohammad ahmed 08/17/2024



#78

Pyrene

Concen: 11.131 ng

RT: 19.769 min Scan# 2853

Delta R.T. 0.018 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

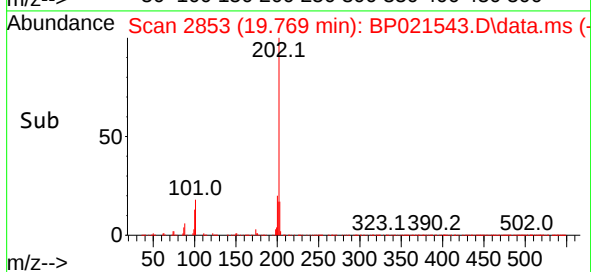
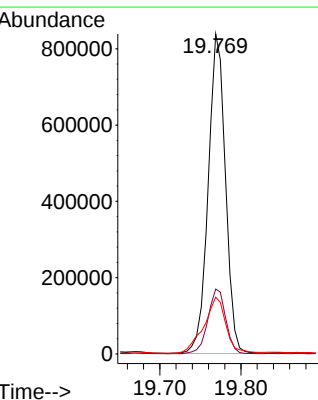
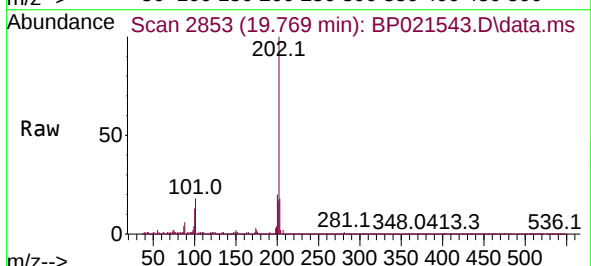
Tgt Ion:202 Resp: 1239309

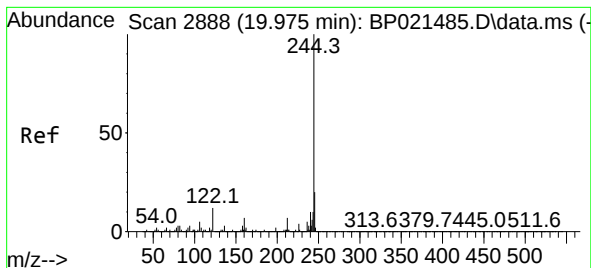
Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 35.974 ng

RT: 19.981 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021543.D

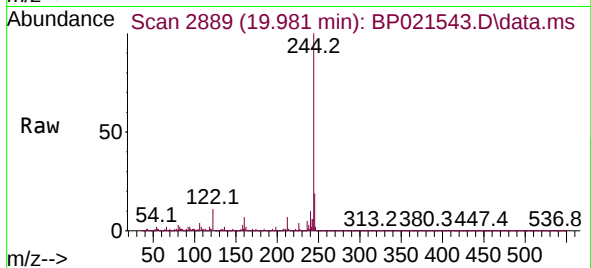
Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE



Tgt Ion:244 Resp: 315426

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

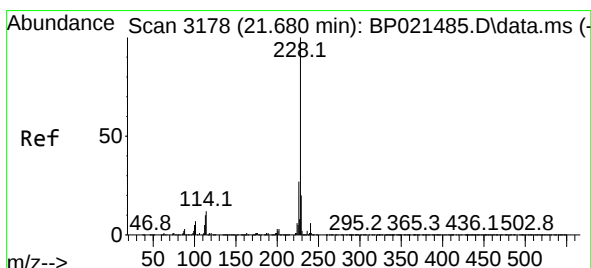
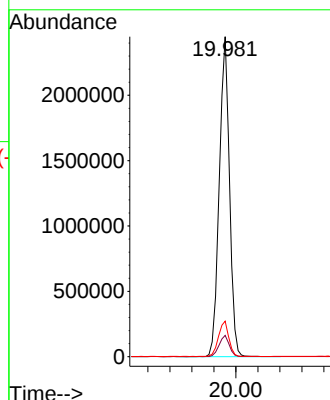
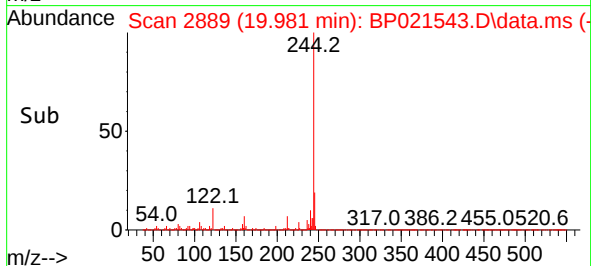
122 11.1 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2024

Supervised By :mohammad ahmed 08/17/2024



#81

Benzo(a)anthracene

Concen: 5.799 ng

RT: 21.704 min Scan# 3182

Delta R.T. 0.024 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

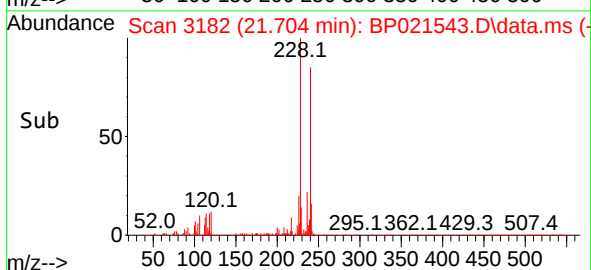
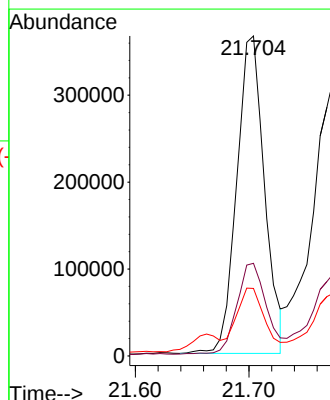
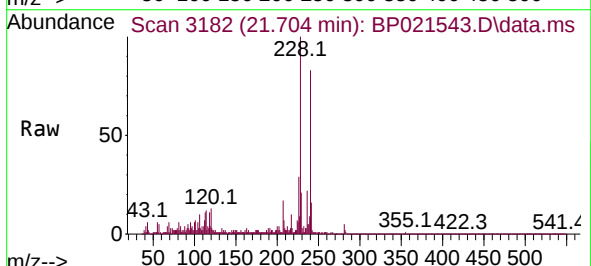
Tgt Ion:228 Resp: 620105

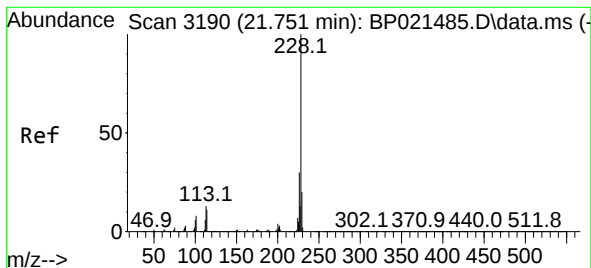
Ion Ratio Lower Upper

228 100

226 29.0 21.4 32.2

229 21.1 15.8 23.6





#83

Chrysene

Concen: 6.327 ng m

RT: 21.775 min Scan# 3190

Delta R.T. 0.024 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

Tgt Ion:228 Resp: 63874

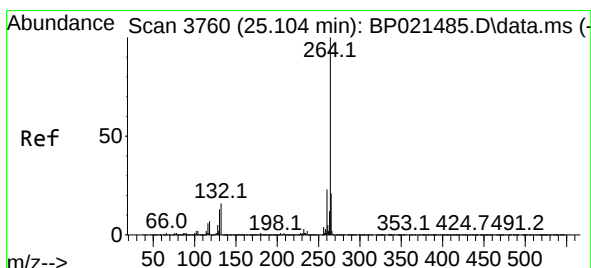
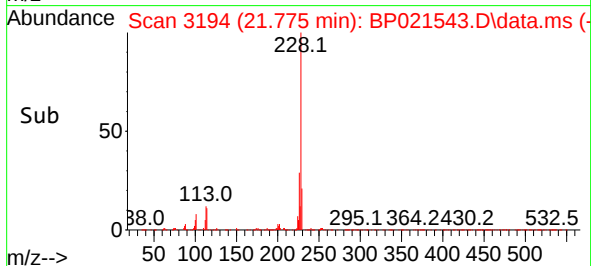
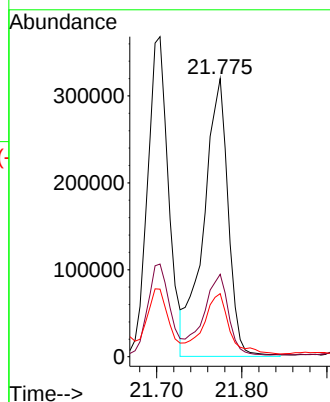
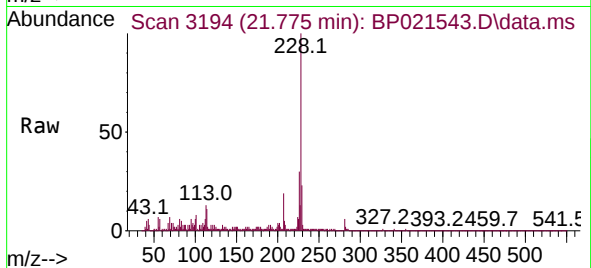
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	22.7	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2024

Supervised By :mohammad ahmed 08/17/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.151 min Scan# 3768

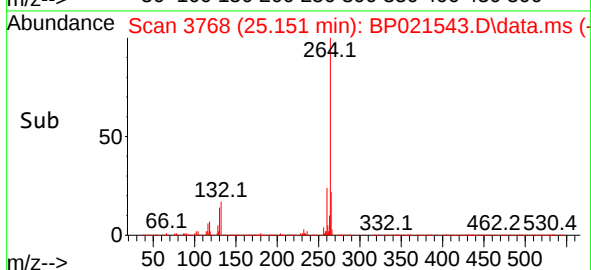
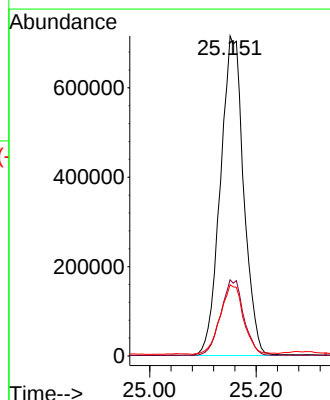
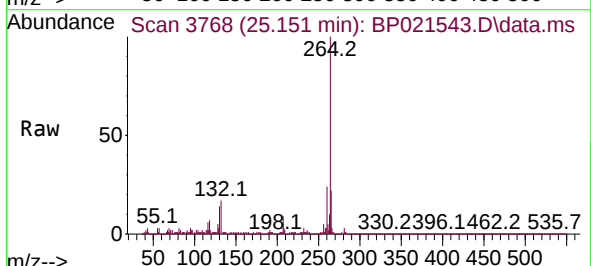
Delta R.T. 0.047 min

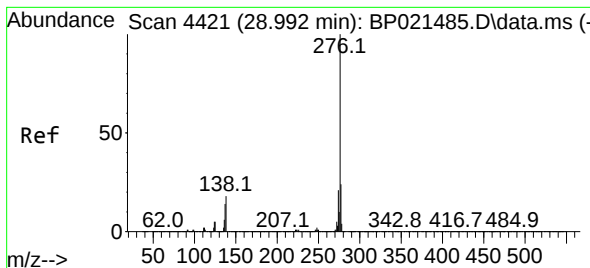
Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Tgt Ion:264 Resp: 2165748

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	22.3	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.278 ng

RT: 29.051 min Scan# 4421

Delta R.T. 0.059 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

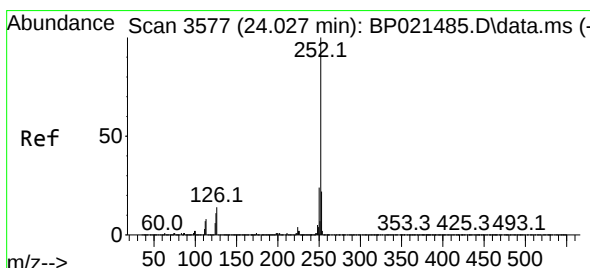
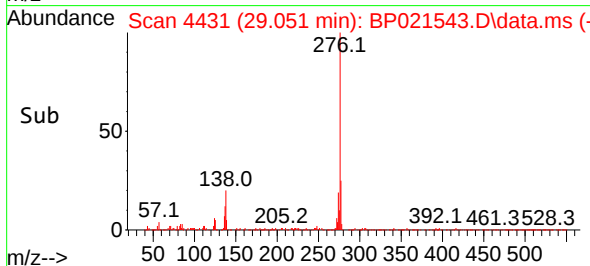
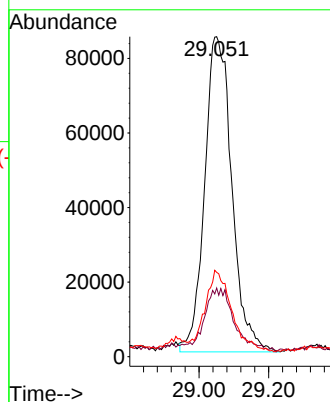
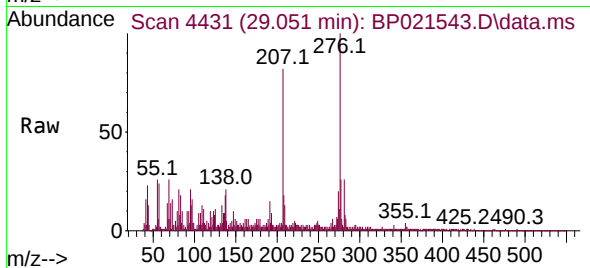
Tgt Ion:	276	Resp:	460150
Ion Ratio	Lower	Upper	
276	100		
138	9.0	12.8	19.2
277	25.6	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2024

Supervised By :mohammad ahmed 08/17/2024



#88

Benzo(b)fluoranthene

Concen: 6.700 ng

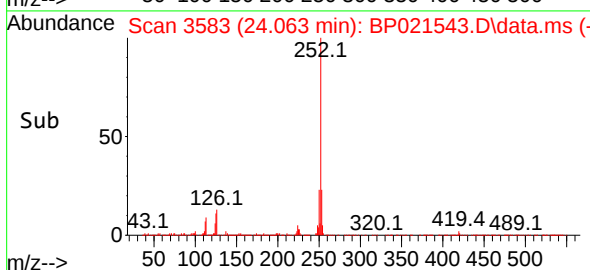
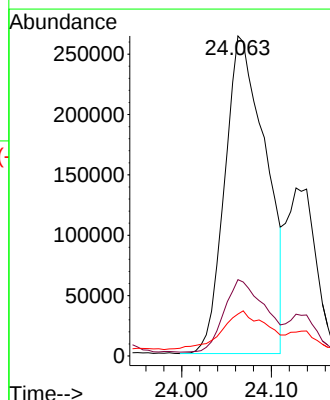
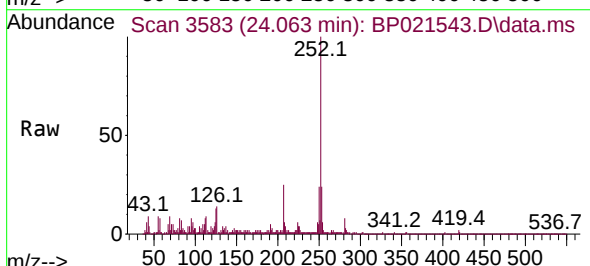
RT: 24.063 min Scan# 3583

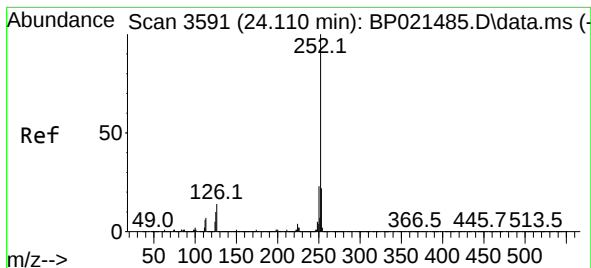
Delta R.T. 0.035 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Tgt Ion:	252	Resp:	833375
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	13.1	8.6	13.0





#89

Benzo(k)fluoranthene

Concen: 2.644 ng m

RT: 24.127 min Scan# 3

Delta R.T. 0.018 min

Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Instrument :

BNA_P

ClientSampleId :

OU4-TS-17-080724RE

Tgt Ion:252 Resp: 32078

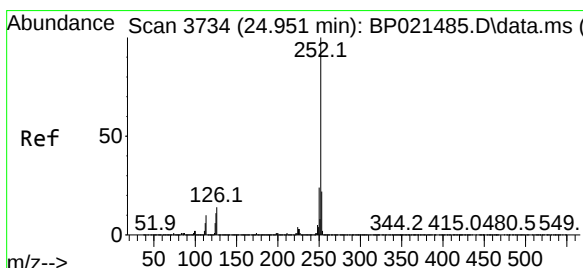
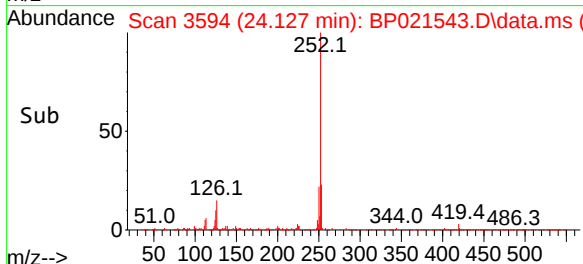
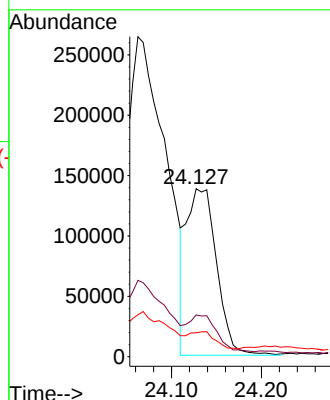
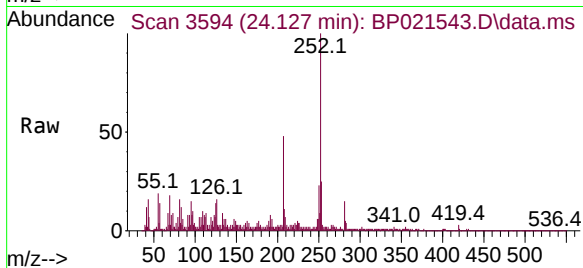
Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	14.2	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/17/2024

Supervised By :mohammad ahmed 08/17/2024



#90

Benzo(a)pyrene

Concen: 6.232 ng

RT: 24.992 min Scan# 3741

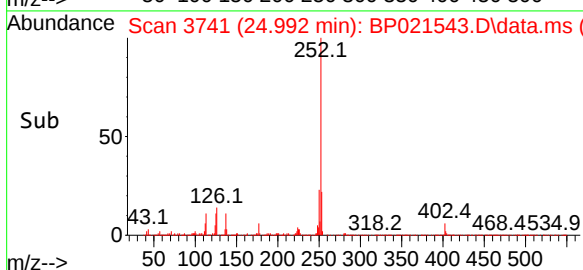
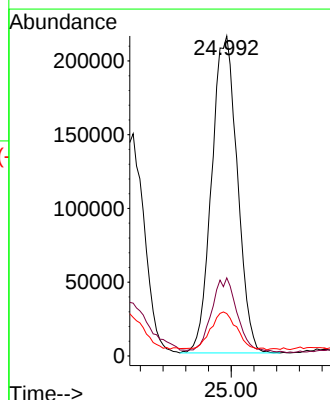
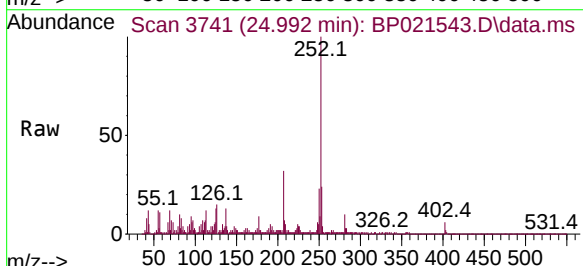
Delta R.T. 0.041 min

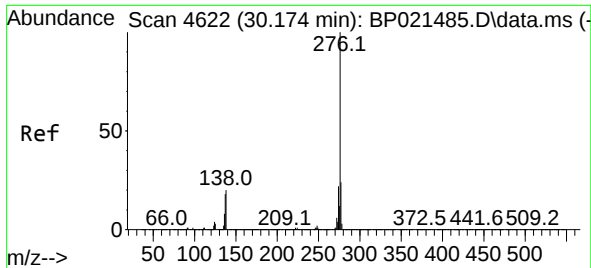
Lab File: BP021543.D

Acq: 16 Aug 2024 17:22

Tgt Ion:252 Resp: 672687

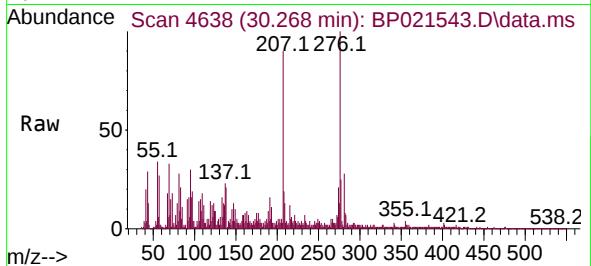
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	13.2	8.7	13.1





#92
Benzo(g,h,i)perylene
Concen: 3.618 ng
RT: 30.268 min Scan# 4638
Delta R.T. 0.094 min
Lab File: BP021543.D
Acq: 16 Aug 2024 17:22

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



Tgt Ion: 276 Resp: 422980
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.6
138 20.6 16.0 24.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/17/2024
Supervised By :mohammad ahmed 08/17/2024

