

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
 Data File : BP021555.D
 Acq On : 19 Aug 2024 15:58
 Operator : RC/JU
 Sample : P3519-05RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-18-080724RE

Quant Time: Aug 19 16:28:20 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 08/20/2024
 Supervised By :mohammad ahmed 08/21/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	357349	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1505906	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1003830	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	2190569	20.000	ng	0.01
76) Chrysene-d12	21.716	240	1987317	20.000	ng	0.02
86) Perylene-d12	25.151	264	2340650	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1940274	80.623	ng	0.00
7) Phenol-d6	6.969	99	2798387	79.710	ng	0.00
23) Nitrobenzene-d5	8.951	82	1666092	57.105	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	988797	88.505	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	2732964	41.550	ng	0.00
79) Terphenyl-d14	19.980	244	4182899	40.890	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.316	178	527596	5.008	ng	98
75) Fluoranthene	19.380	202	1280639	9.907	ng	99
78) Pyrene	19.757	202	1106481	8.518	ng	99
81) Benzo(a)anthracene	21.698	228	595334	4.772	ng	97
83) Chrysene	21.763	228	592448	5.030	ng	97
87) Indeno(1,2,3-cd)pyrene	29.045	276	425573	2.805	ng	99
88) Benzo(b)fluoranthene	24.068	252	830030	6.174	ng	# 95
89) Benzo(k)fluoranthene	24.127	252	282193m	2.152	ng	
90) Benzo(a)pyrene	24.986	252	578881	4.962	ng	# 97
92) Benzo(g,h,i)perylene	30.244	276	398070	3.150	ng	97

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

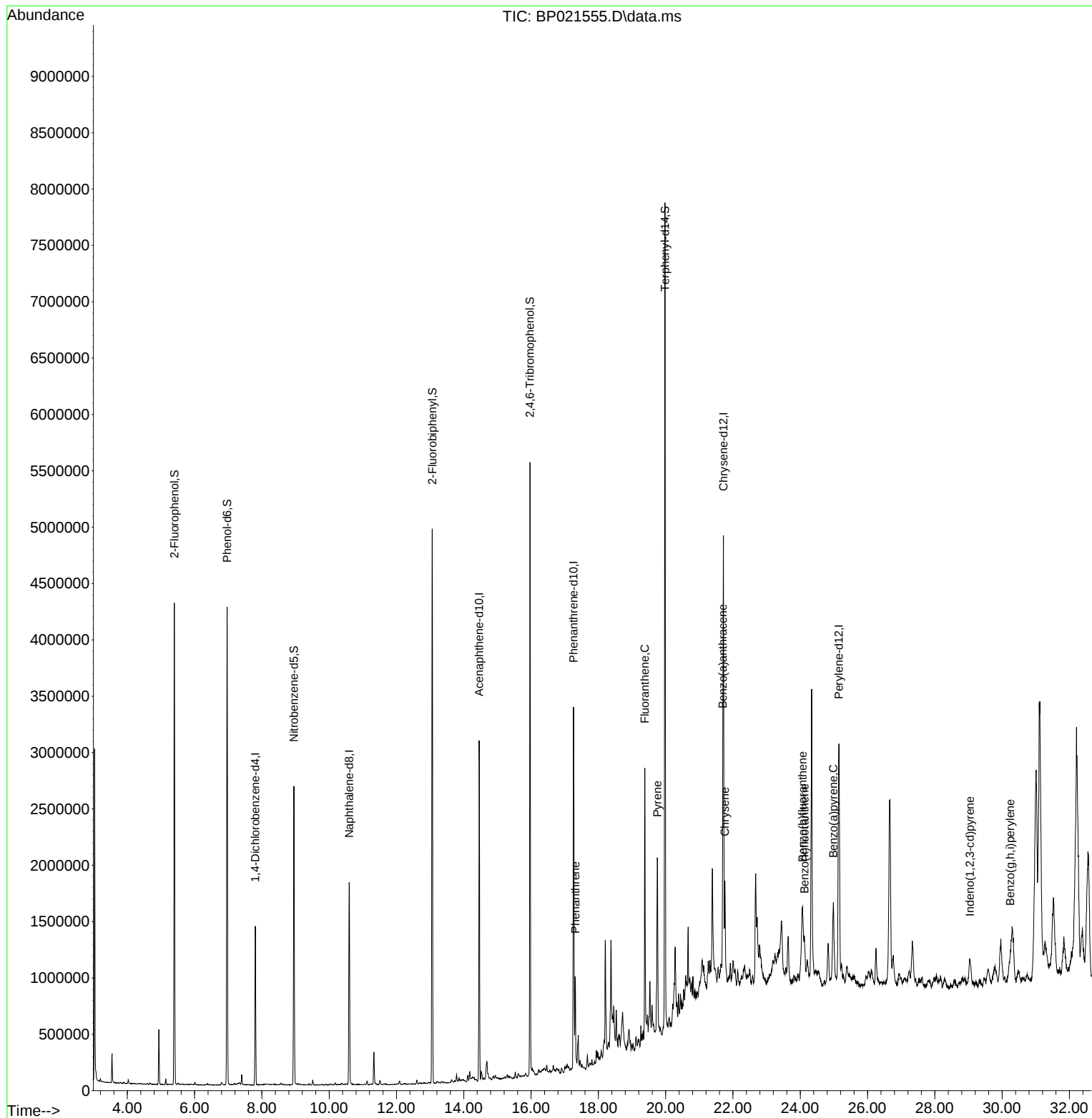
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081924\
Data File : BP021555.D
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ALS Vial : 8 Sample Multiplier: 1

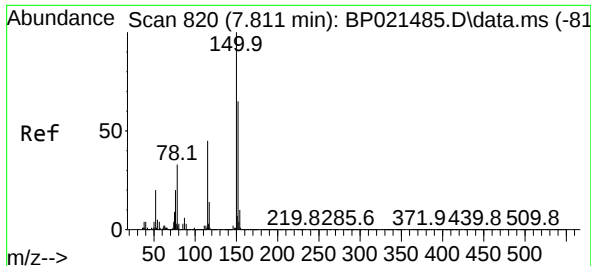
Instrument :
BNA_P
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OU4-TS-18-080724RE

Quant Time: Aug 19 16:28:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
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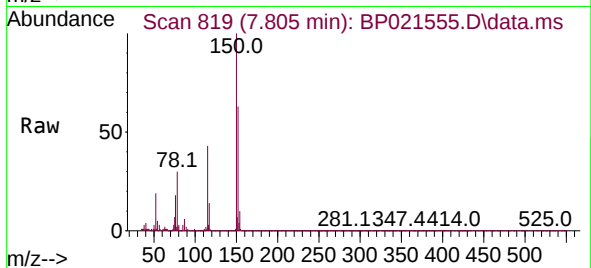
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58

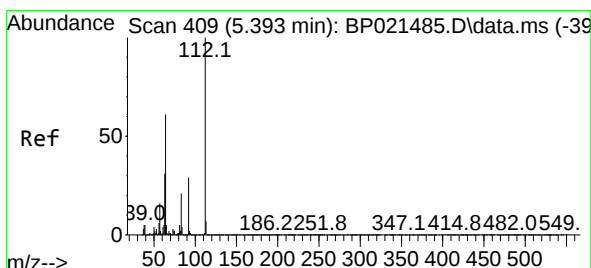
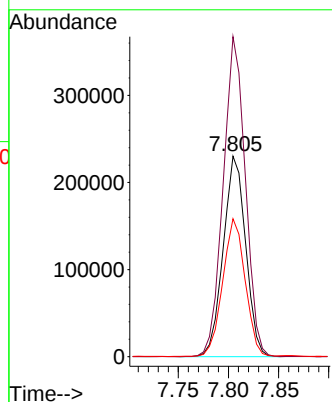
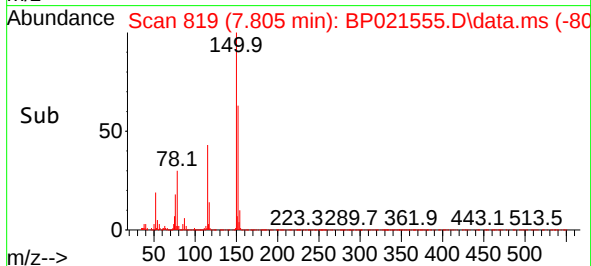
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE



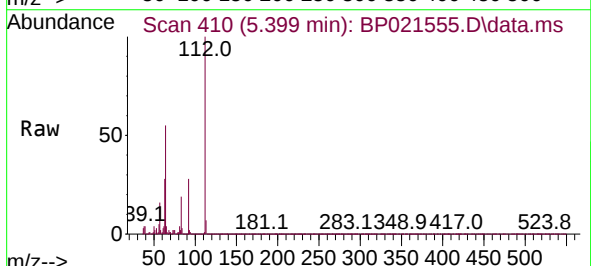
Tgt Ion:152 Resp: 357349
Ion Ratio Lower Upper
152 100
150 159.6 122.4 183.6
115 68.8 54.7 82.1

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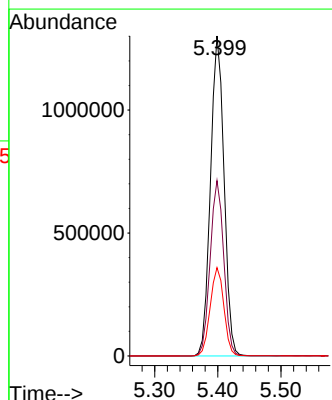
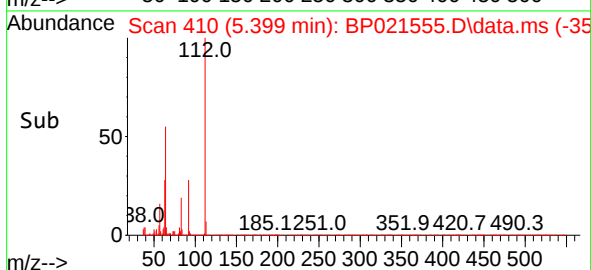
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#5
2-Fluorophenol
Concen: 80.623 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58



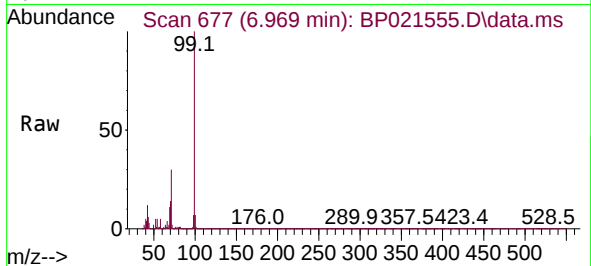
Tgt Ion:112 Resp: 1940274
Ion Ratio Lower Upper
112 100
64 54.8 49.0 73.6
63 27.6 24.6 36.8





#7
Phenol-d6
Concen: 79.710 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58

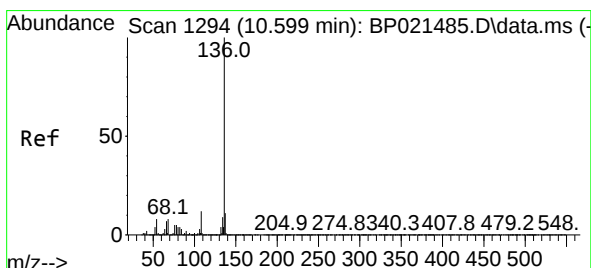
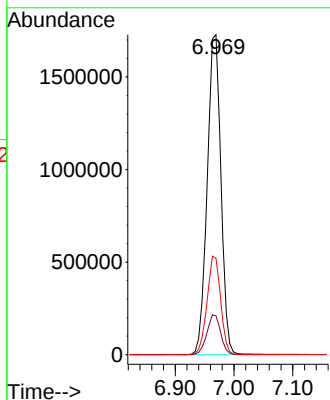
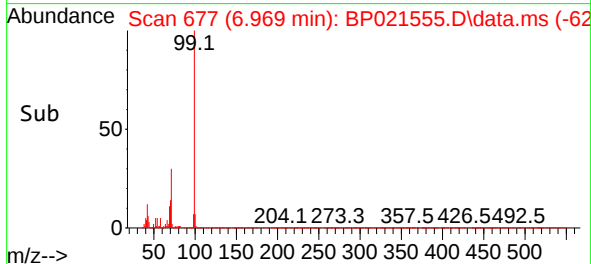
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE



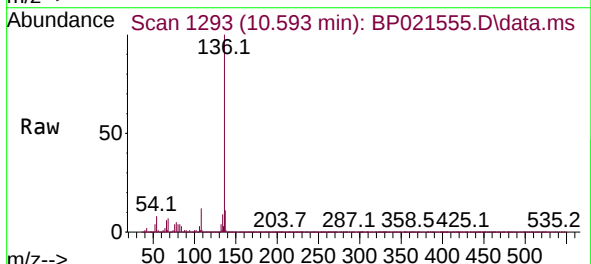
Tgt Ion: 99 Resp: 279838
Ion Ratio Lower Upper
99 100
42 12.2 10.2 15.4
71 30.2 25.8 38.8

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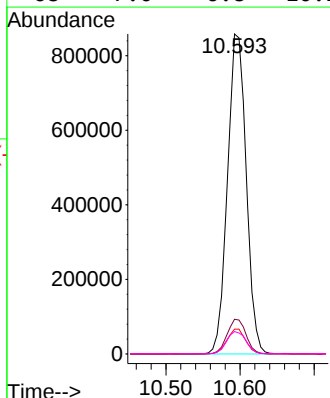
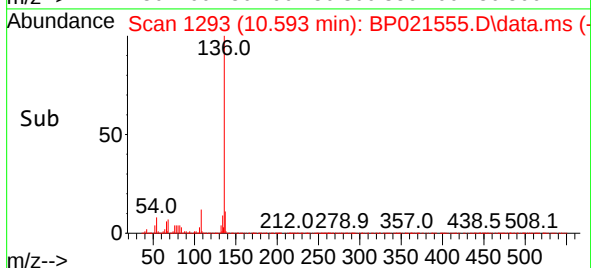
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58



Tgt Ion:136 Resp: 1505906
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.8 6.3 9.5
68 7.0 6.8 10.2





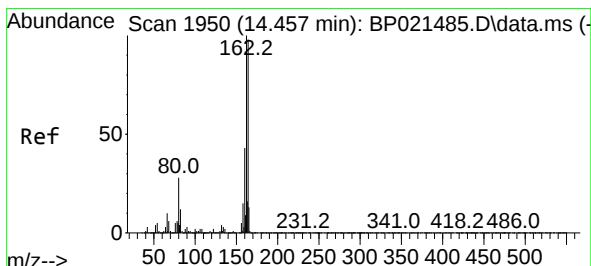
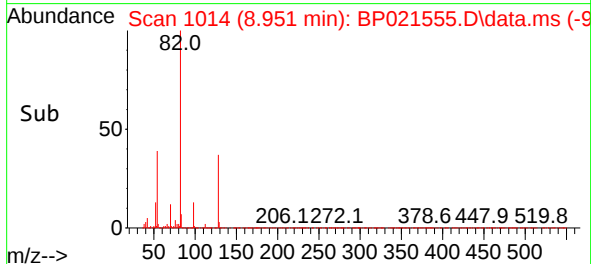
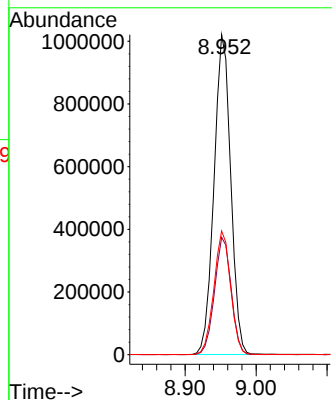
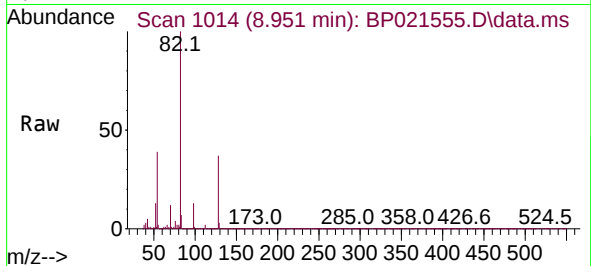
#23
Nitrobenzene-d5
Concen: 57.105 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58

Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE

Tgt Ion: 82 Resp: 1666092
Ion Ratio Lower Upper
82 100
128 36.6 26.5 39.7
54 38.6 30.3 45.5

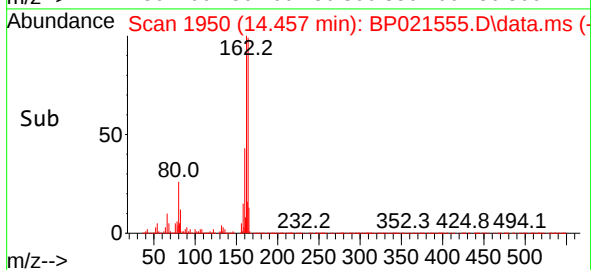
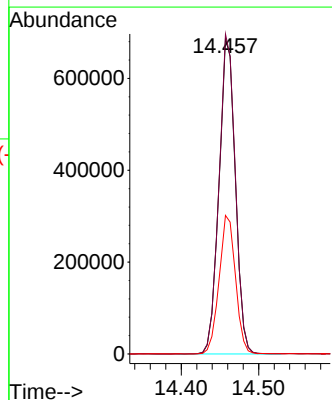
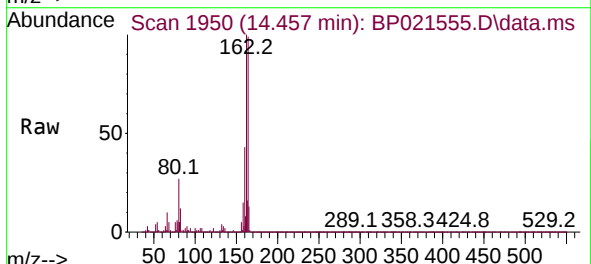
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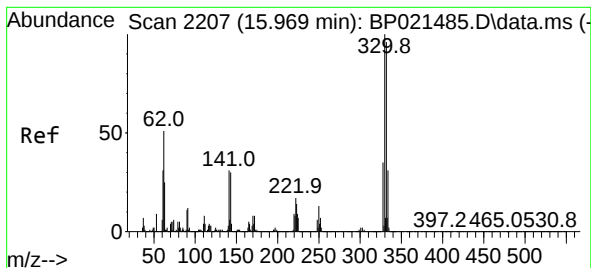
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58

Tgt Ion:164 Resp: 1003830
Ion Ratio Lower Upper
164 100
162 101.4 81.5 122.3
160 43.9 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 88.505 ng

RT: 15.969 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

Instrument :

BNA_P

ClientSampleId :

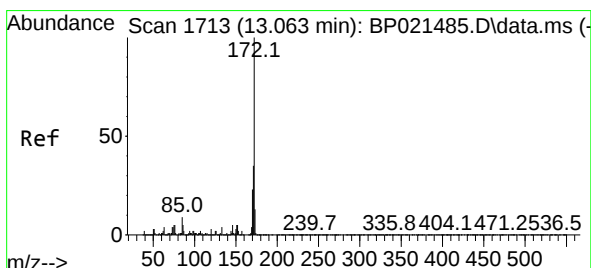
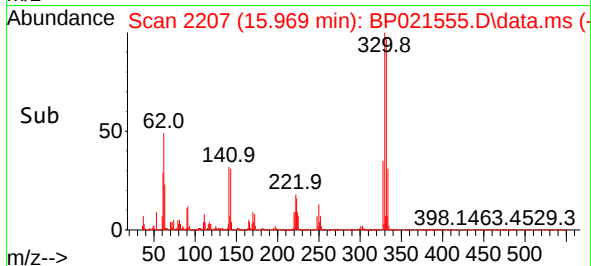
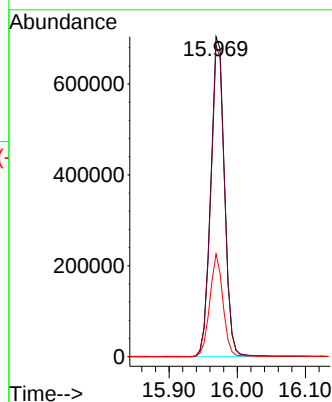
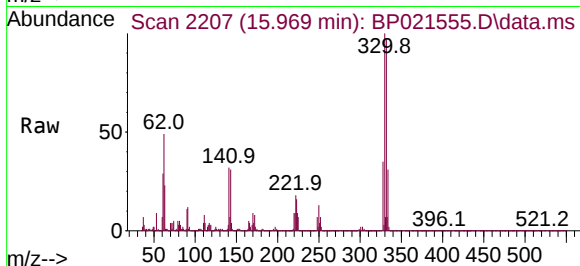
OU4-TS-18-080724RE

Tgt Ion:	330	Resp:	98879
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.4	116.0
141	30.7	24.5	36.7

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



#45

2-Fluorobiphenyl

Concen: 41.550 ng

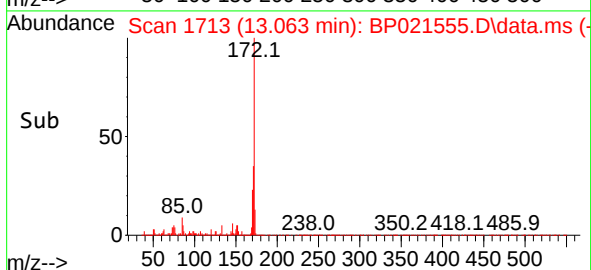
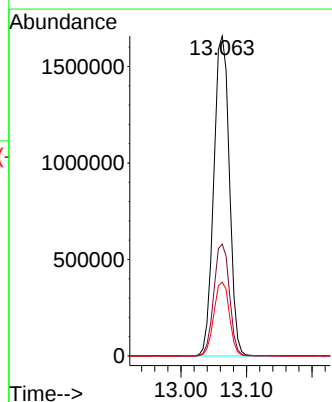
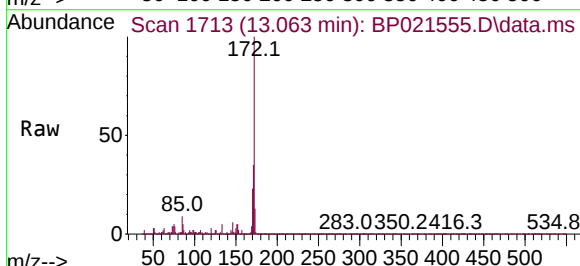
RT: 13.063 min Scan# 1713

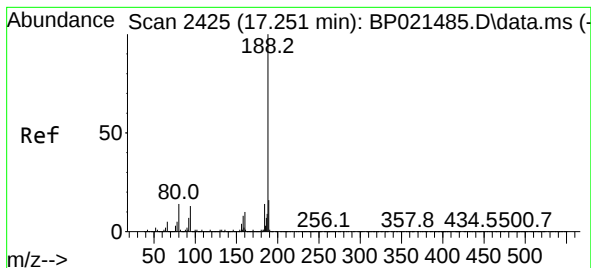
Delta R.T. -0.000 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

Tgt Ion:	172	Resp:	2732964
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.2	42.4
170	23.0	18.4	27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.263 min Scan# 2425

Delta R.T. 0.012 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-18-080724RE

Tgt Ion:188 Resp: 219056

Ion Ratio Lower Upper

188 100

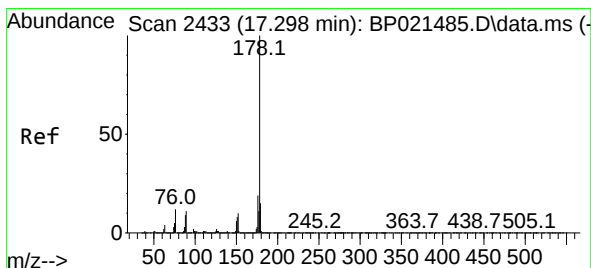
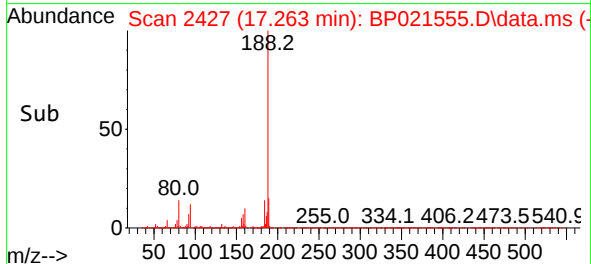
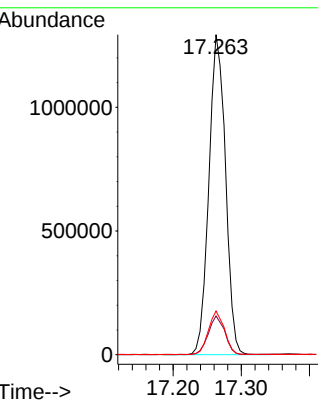
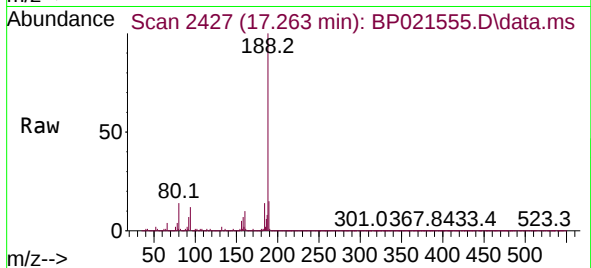
94 12.1 10.2 15.4

80 13.6 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: 5.008 ng

RT: 17.316 min Scan# 2436

Delta R.T. 0.017 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

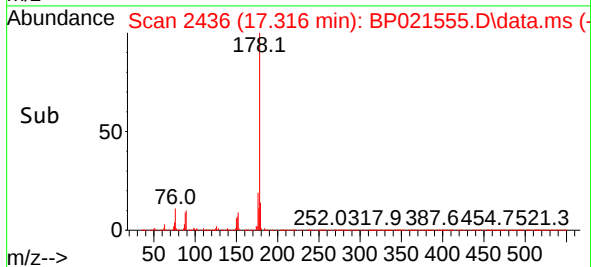
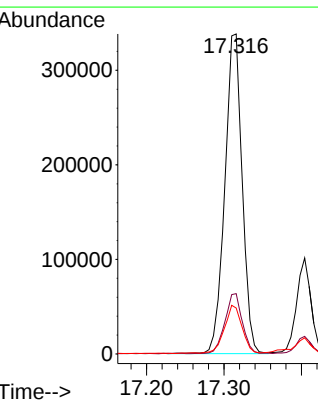
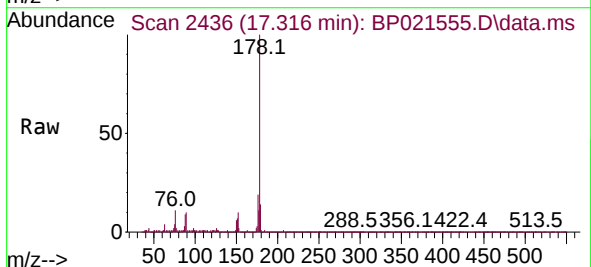
Tgt Ion:178 Resp: 527596

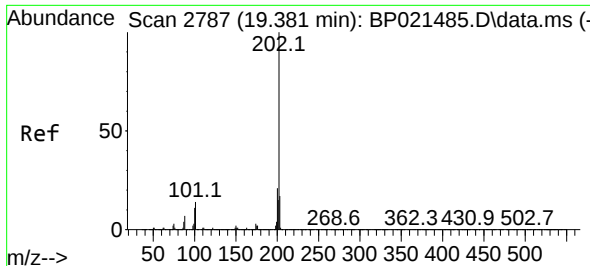
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

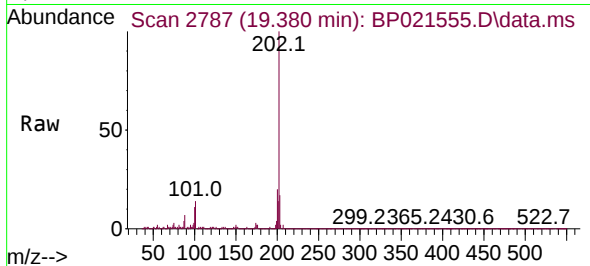
179 14.4 12.4 18.6





#75
Fluoranthene
Concen: 9.907 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58

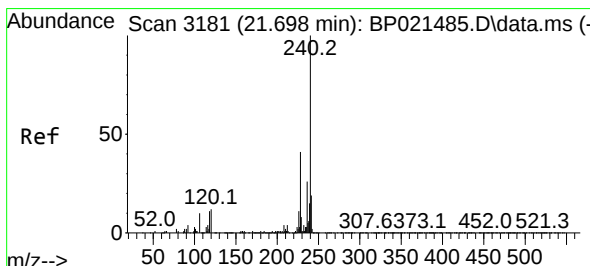
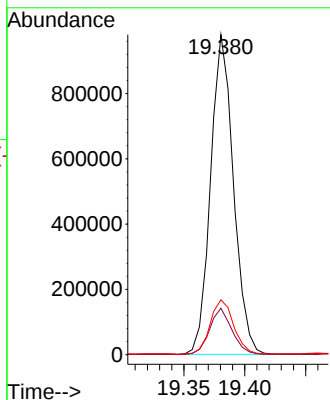
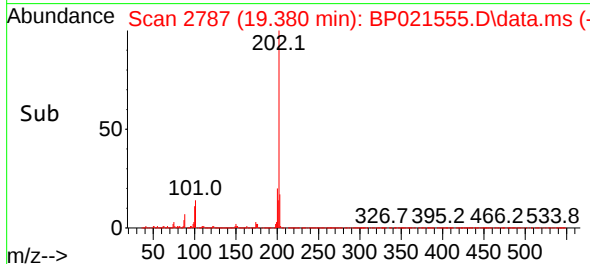
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE



Tgt Ion:202 Resp: 1280639
Ion Ratio Lower Upper
202 100
101 14.5 0.0 34.0
203 17.1 0.0 37.5

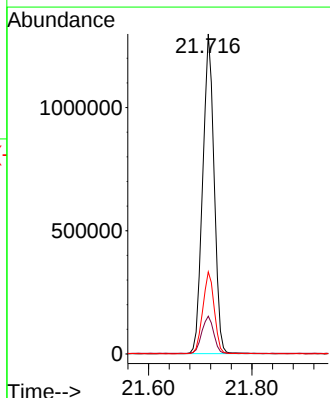
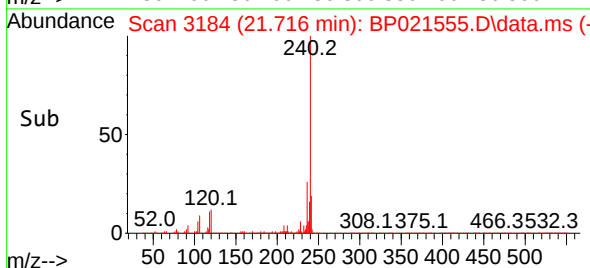
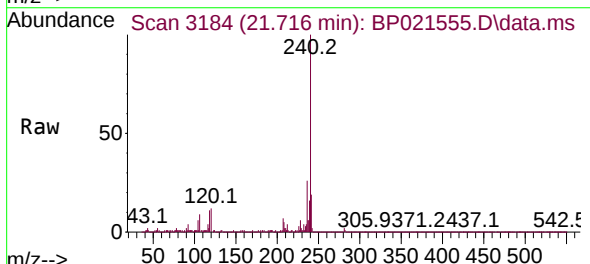
Manual Integrations
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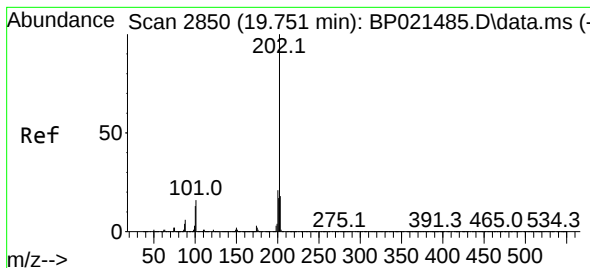
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. 0.017 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58

Tgt Ion:240 Resp: 1987317
Ion Ratio Lower Upper
240 100
120 11.8 9.9 14.9
236 25.6 20.6 30.8





#78

Pyrene

Concen: 8.518 ng

RT: 19.757 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

Instrument :

BNA_P

ClientSampleId :

OU4-TS-18-080724RE

Tgt Ion:202 Resp: 110648

Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

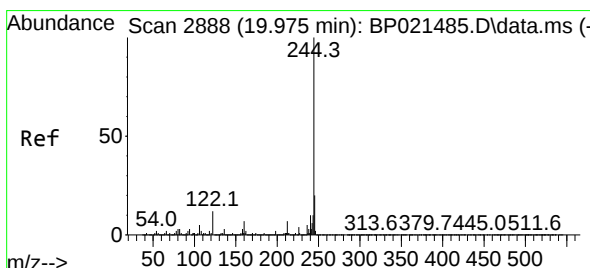
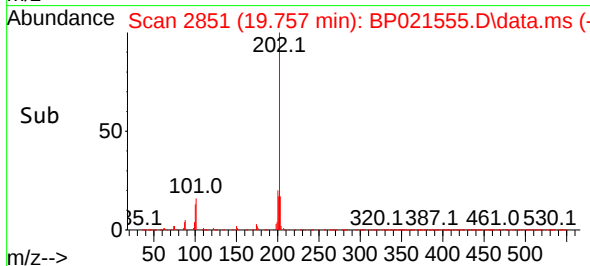
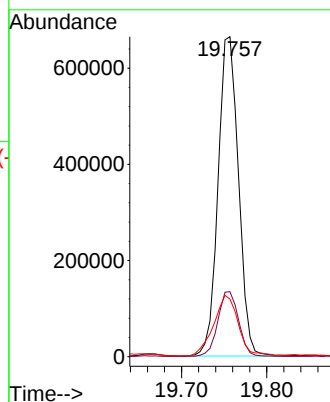
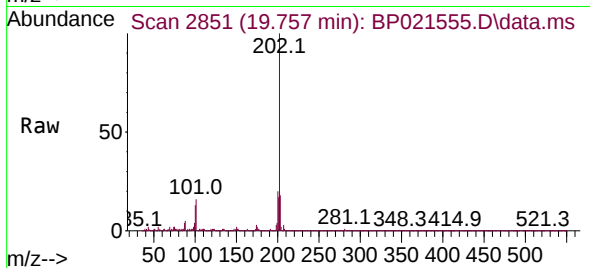
203 18.0 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/20/2024

Supervised By :mohammad ahmed 08/21/2024



#79

Terphenyl-d14

Concen: 40.890 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.005 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

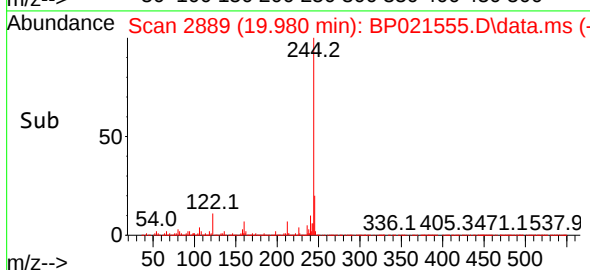
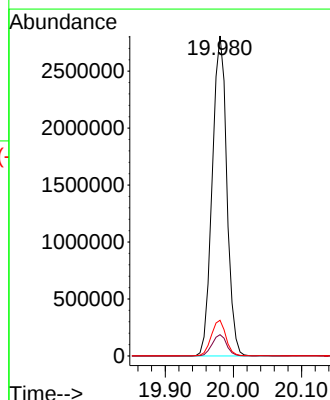
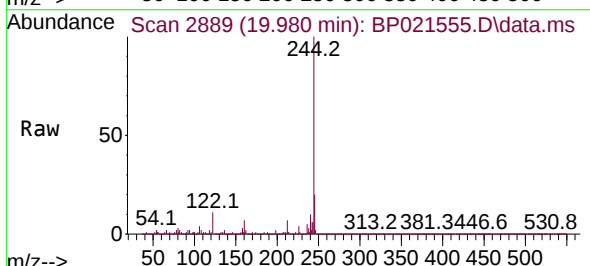
Tgt Ion:244 Resp: 4182899

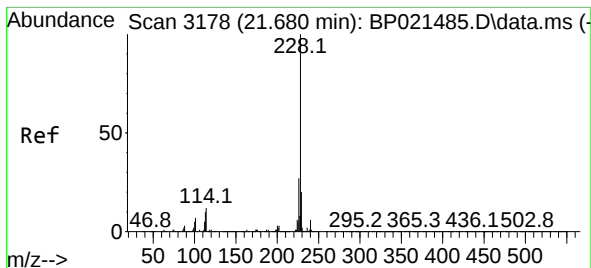
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.1 9.4 14.2





#81

Benzo(a)anthracene

Concen: 4.772 ng

RT: 21.698 min Scan# 3181

Delta R.T. 0.017 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

Instrument :

BNA_P

ClientSampleId :

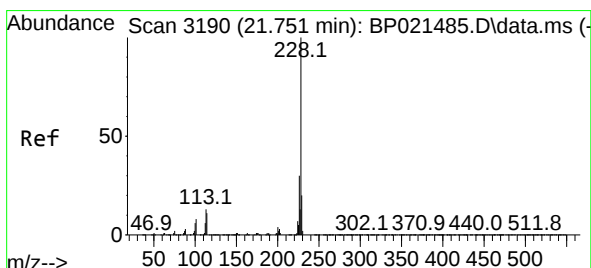
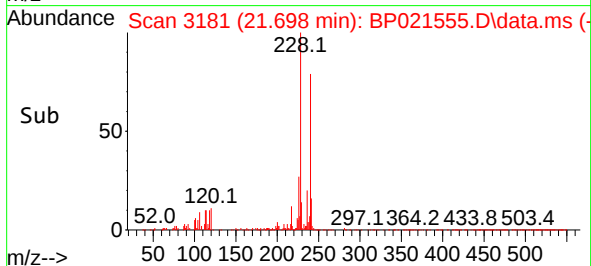
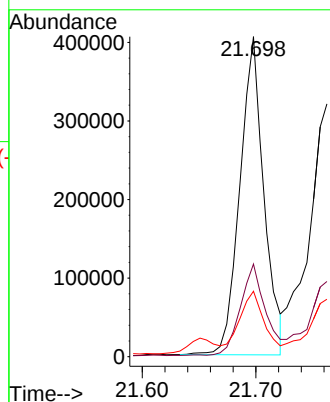
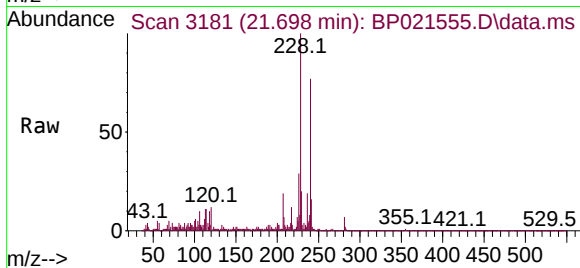
OU4-TS-18-080724RE

Tgt Ion:	228	Resp:	595334
Ion Ratio	Lower	Upper	
228	100		
226	28.9	21.4	32.2
229	20.4	15.8	23.6

Manual Integrations

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



#83

Chrysene

Concen: 5.030 ng

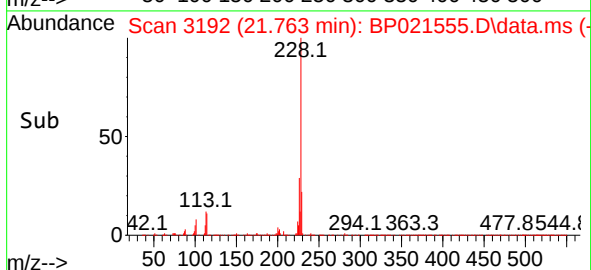
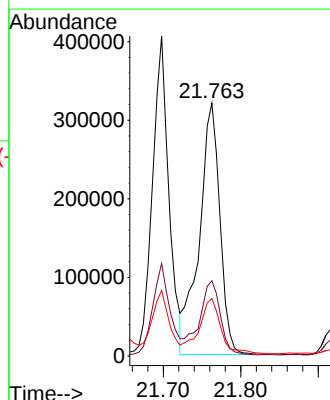
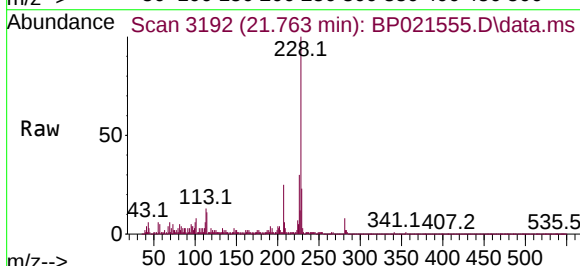
RT: 21.763 min Scan# 3192

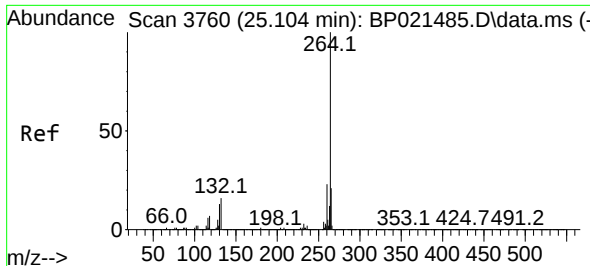
Delta R.T. 0.012 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

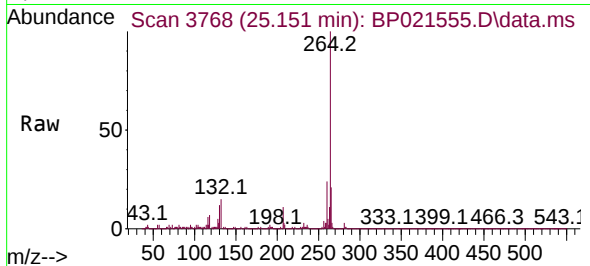
Tgt Ion:	228	Resp:	592448
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.9	35.9
229	22.7	15.8	23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.151 min Scan# 31
Delta R.T. 0.047 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58

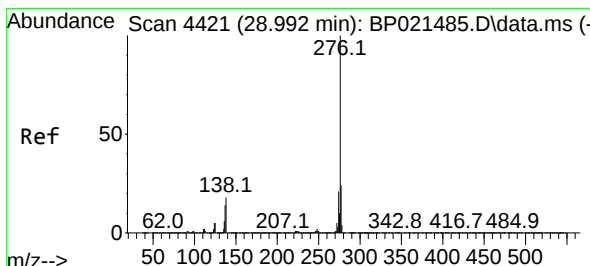
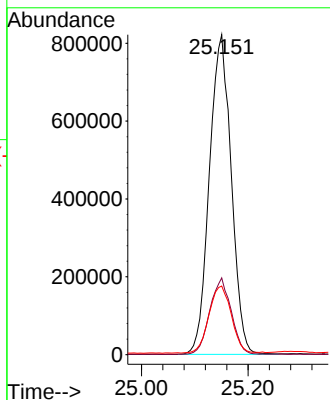
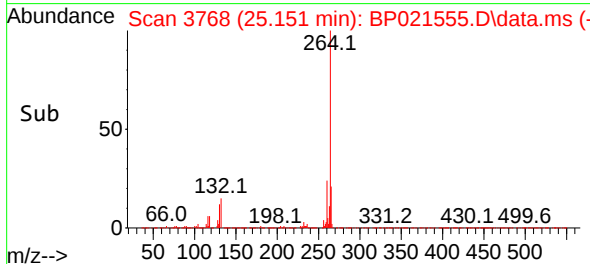
Instrument :
BNA_P
ClientSampleId :
OU4-TS-18-080724RE



Tgt Ion:264 Resp: 2340650
Ion Ratio Lower Upper
264 100
260 24.0 18.6 28.0
265 21.5 17.1 25.7

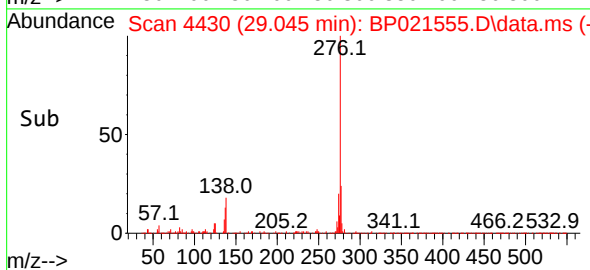
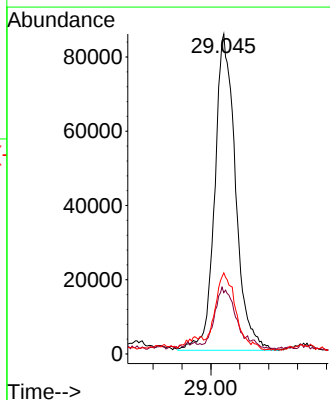
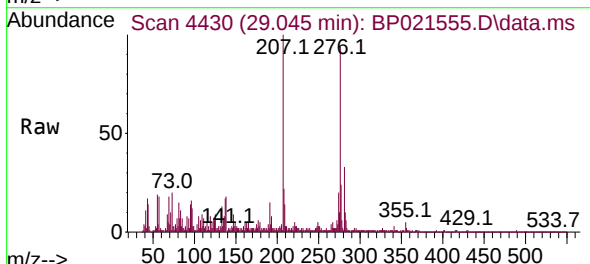
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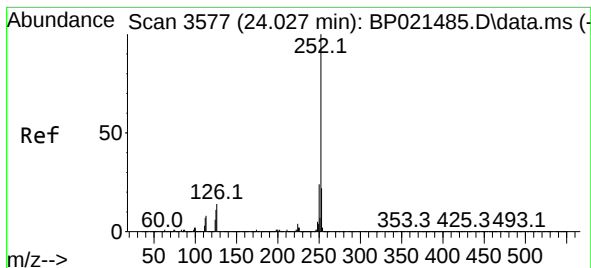
Reviewed By :Jagrut Upadhyay 08/20/2024
Supervised By :mohammad ahmed 08/21/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.805 ng
RT: 29.045 min Scan# 4430
Delta R.T. 0.053 min
Lab File: BP021555.D
Acq: 19 Aug 2024 15:58

Tgt Ion:276 Resp: 425573
Ion Ratio Lower Upper
276 100
138 16.7 12.8 19.2
277 20.8 16.5 24.7





#88

Benzo(b)fluoranthene

Concen: 6.174 ng

RT: 24.068 min Scan# 3577

Delta R.T. 0.041 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

Instrument :

BNA_P

ClientSampleId :

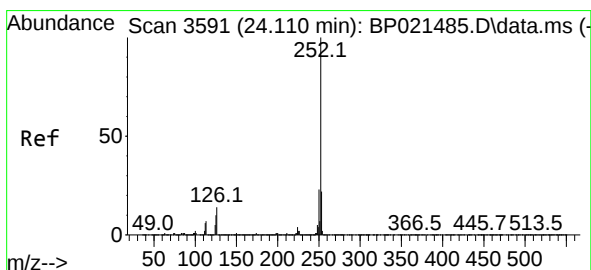
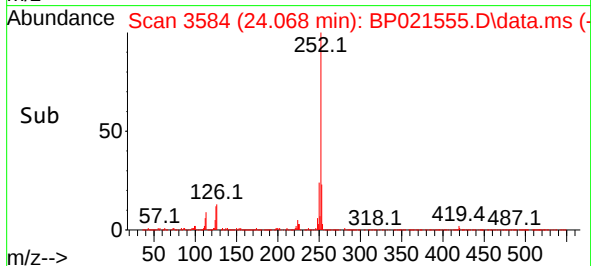
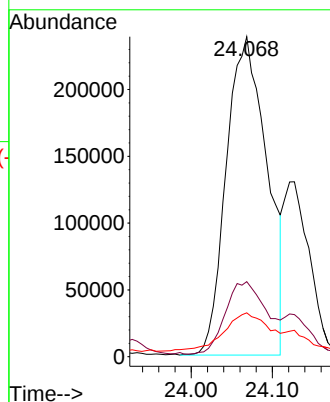
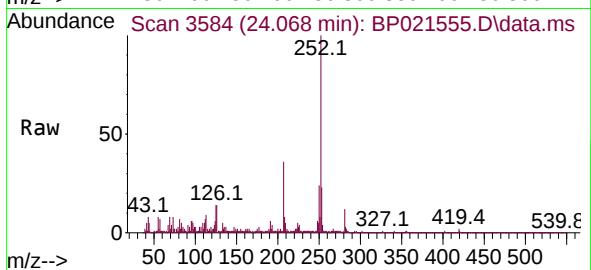
OU4-TS-18-080724RE

Tgt Ion:252 Resp: 830030
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.6 26.4
 125 13.7 8.6 13.0

Manual Integrations

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



#89

Benzo(k)fluoranthene

Concen: 2.152 ng m

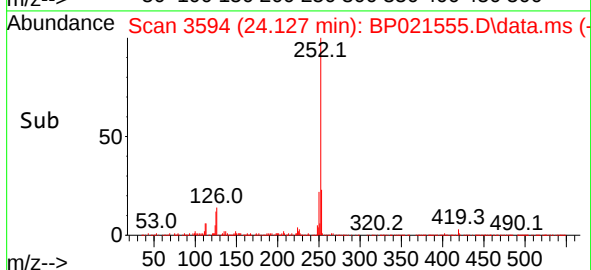
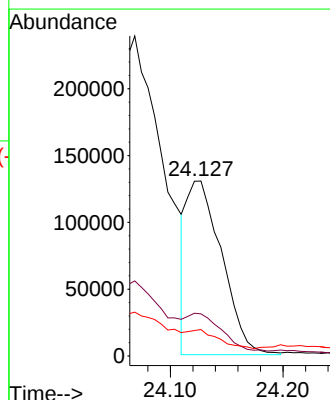
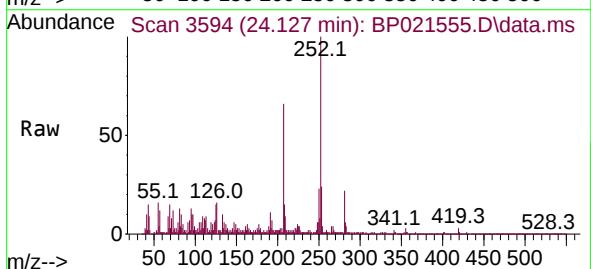
RT: 24.127 min Scan# 3594

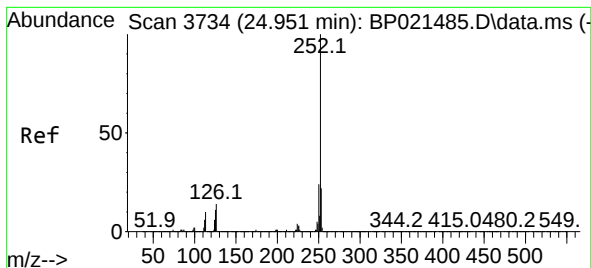
Delta R.T. 0.017 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

Tgt Ion:252 Resp: 282193
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.5 26.3
 125 15.1 7.8 11.8





#90

Benzo(a)pyrene

Concen: 4.962 ng

RT: 24.986 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

Instrument :

BNA_P

ClientSampleId :

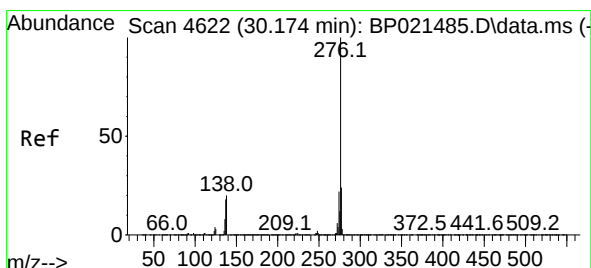
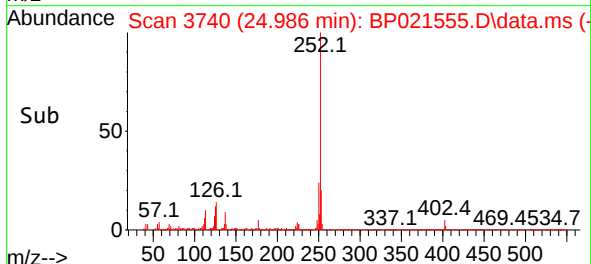
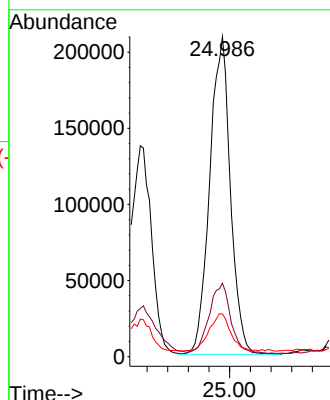
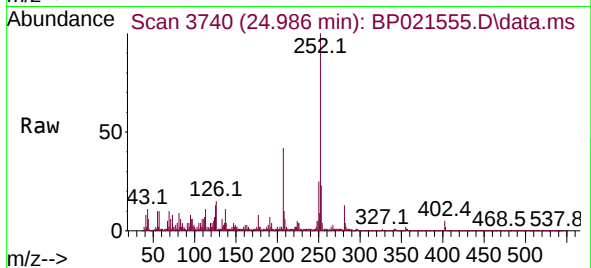
OU4-TS-18-080724RE

Tgt Ion:252 Resp: 57888
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.7 26.5
 125 13.4 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: 3.150 ng

RT: 30.244 min Scan# 4634

Delta R.T. 0.070 min

Lab File: BP021555.D

Acq: 19 Aug 2024 15:58

Tgt Ion:276 Resp: 398070
 Ion Ratio Lower Upper
 276 100
 277 25.1 19.0 28.6
 138 22.0 16.0 24.0

