

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060424\
 Data File : BP020507.D
 Acq On : 04 Jun 2024 22:39
 Operator : MA/JU
 Sample : P2687-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11998

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/06/2024

Quant Time: Jun 05 01:26:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.764	152	281622	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1160864	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	747458	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1547375	20.000	ng	0.00
76) Chrysene-d12	21.651	240	1381873	20.000	ng	-0.02
86) Perylene-d12	24.998	264	1586510	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1275742	81.107	ng	0.00
7) Phenol-d6	6.934	99	1711560	77.160	ng	0.00
23) Nitrobenzene-d5	8.905	82	1044354	49.246	ng	-0.02
42) 2,4,6-Tribromophenol	15.904	330	678759	87.501	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	2521164	50.282	ng	0.00
79) Terphenyl-d14	19.928	244	3863352	46.541	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.245	178	552838	7.268	ng	99
75) Fluoranthene	19.328	202	1248798	13.877	ng	100
78) Pyrene	19.704	202	903839	8.696	ng	99
81) Benzo(a)anthracene	21.628	228	455426	5.005	ng	97
83) Chrysene	21.692	228	566697	6.610	ng	98
87) Indeno(1,2,3-cd)pyrene	28.804	276	362548	3.758	ng	# 87
88) Benzo(b)fluoranthene	23.939	252	812433	8.220	ng	97
89) Benzo(k)fluoranthene	24.010	252	267962m	2.780	ng	
90) Benzo(a)pyrene	24.833	252	449128	5.487	ng	99
92) Benzo(g,h,i)perylene	29.956	276	344696	4.286	ng	98

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

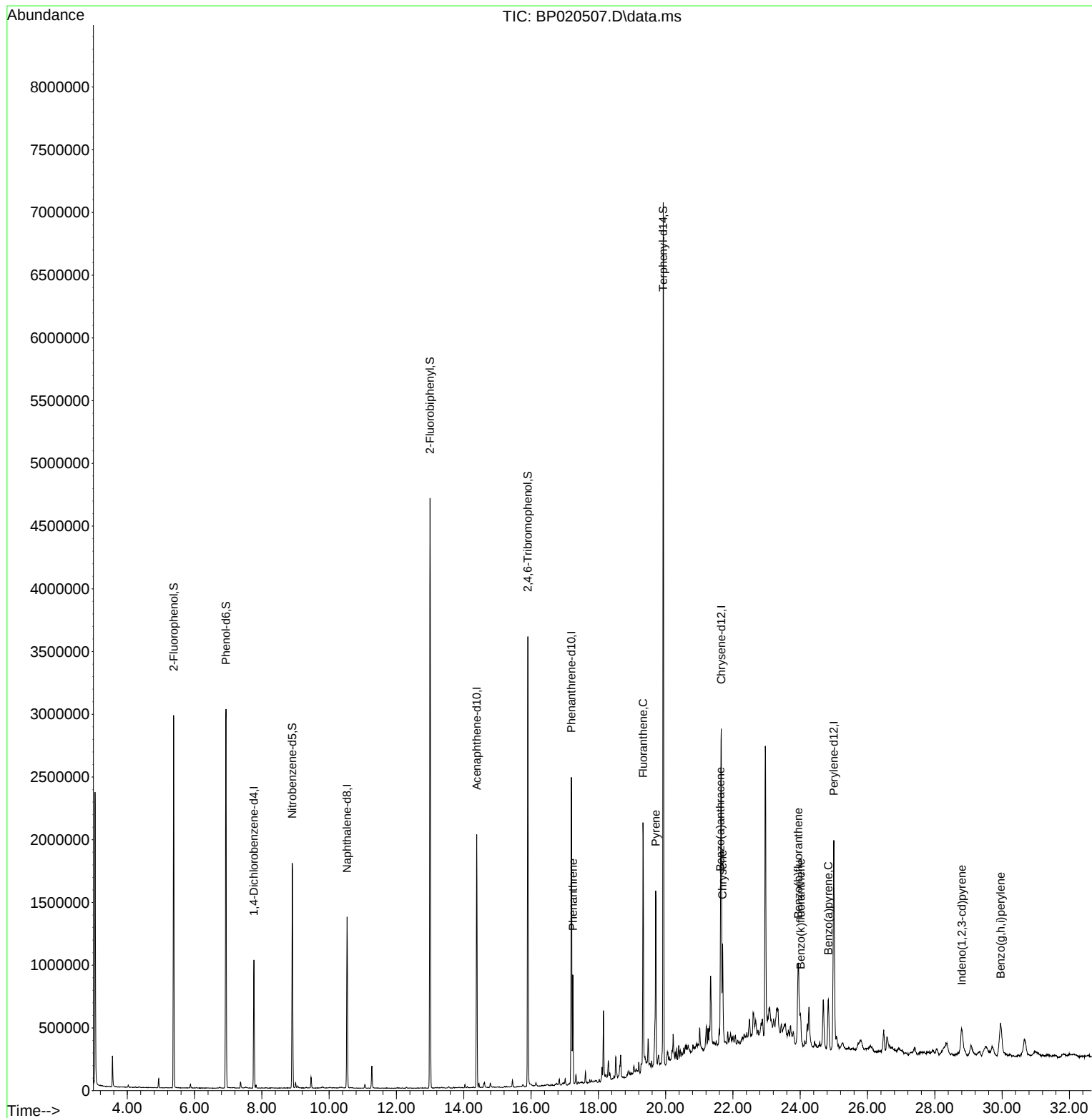
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060424\
Data File : BP020507.D
Acq On : 04 Jun 2024 22:39
Operator : MA/JU
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ALS Vial : 15 Sample Multiplier: 1

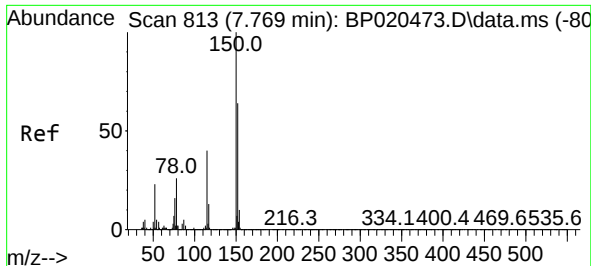
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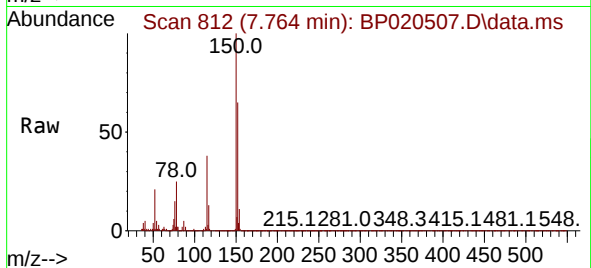
Quant Time: Jun 05 01:26:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 30 03:41:03 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 813
Delta R.T. -0.005 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

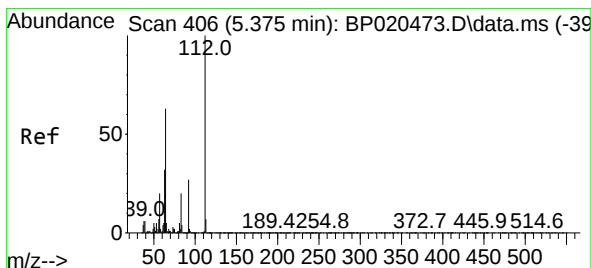
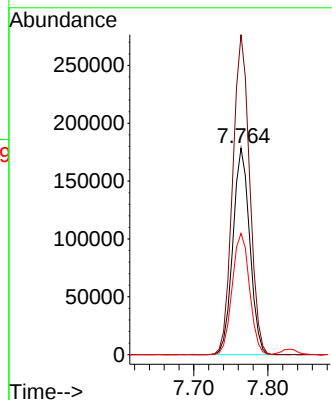
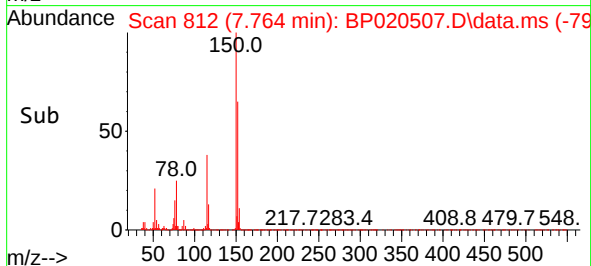
Instrument :
BNA_P
ClientSampleId :
72-11998



Tgt Ion:152 Resp: 28162
Ion Ratio Lower Upper
152 100
150 154.9 124.2 186.2
115 58.7 49.5 74.3

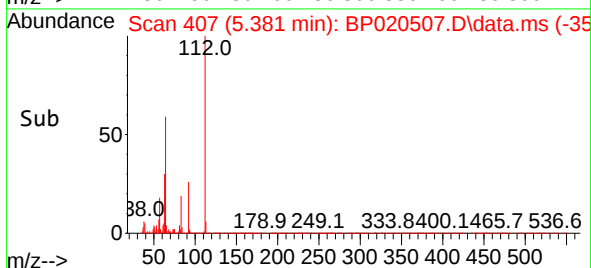
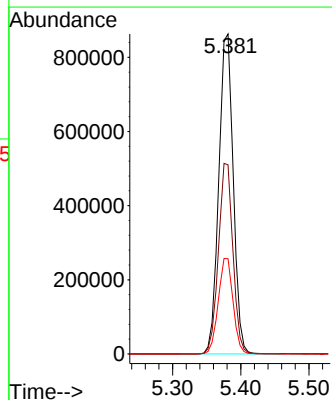
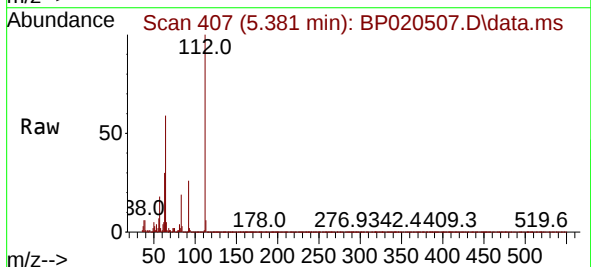
Manual Integrations
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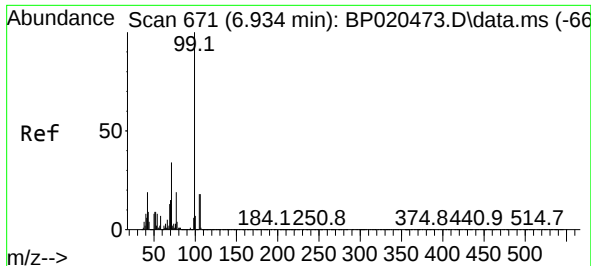
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#5
2-Fluorophenol
Concen: 81.107 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

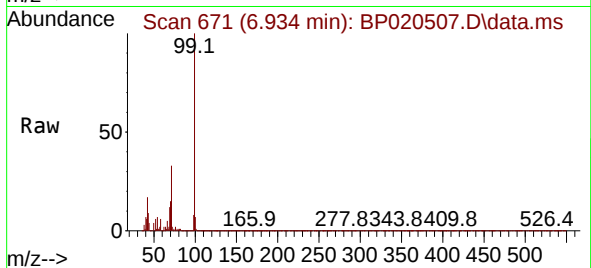
Tgt Ion:112 Resp: 1275742
Ion Ratio Lower Upper
112 100
64 59.1 50.1 75.1
63 29.7 25.7 38.5





#7
Phenol-d6
Concen: 77.160 ng
RT: 6.934 min Scan# 671
Delta R.T. 0.000 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

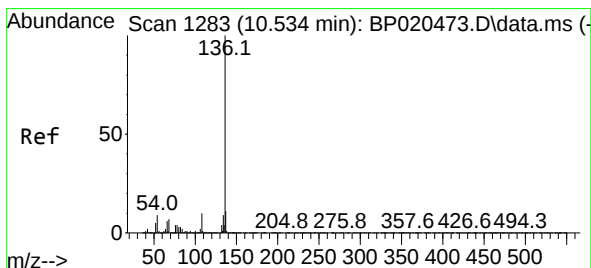
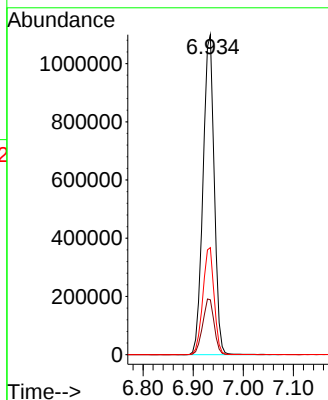
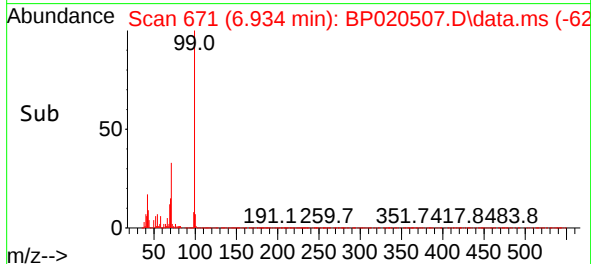
Instrument :
BNA_P
ClientSampleId :
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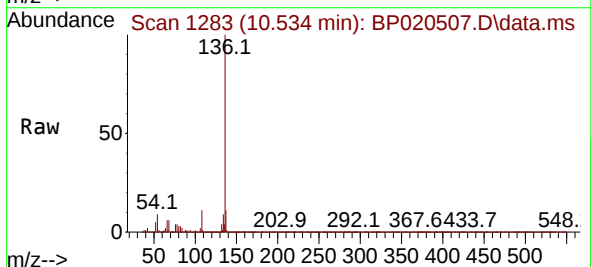
Tgt Ion: 99 Resp: 1711560
Ion Ratio Lower Upper
99 100
42 17.2 15.0 22.4
71 33.5 27.3 40.9

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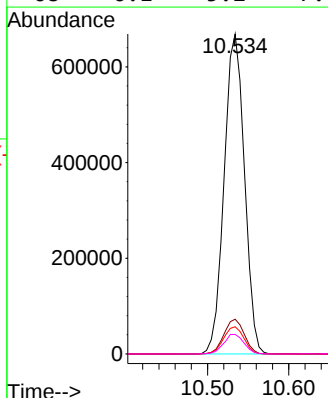
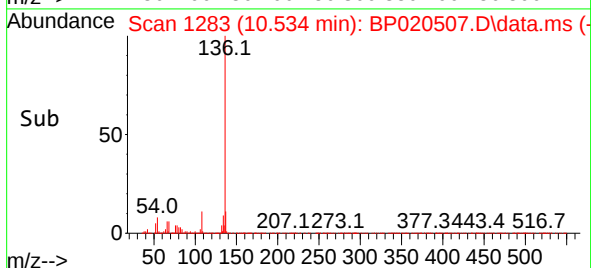
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024

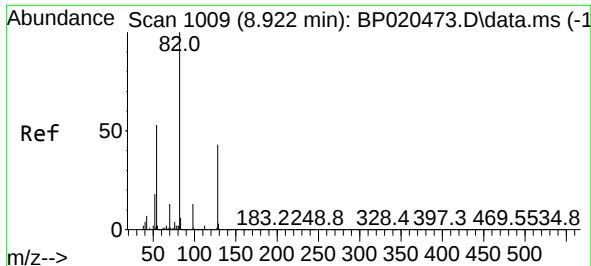


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39



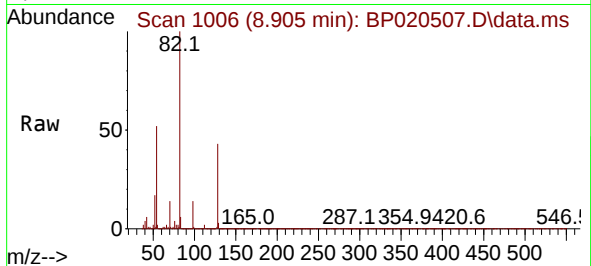
Tgt Ion:136 Resp: 1160864
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.5 7.4 11.0
68 6.1 5.2 7.8





#23
Nitrobenzene-d5
Concen: 49.246 ng
RT: 8.905 min Scan# 1006
Delta R.T. -0.018 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

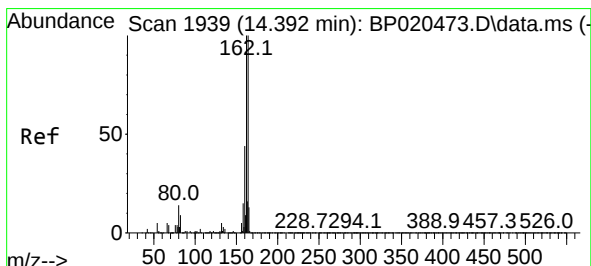
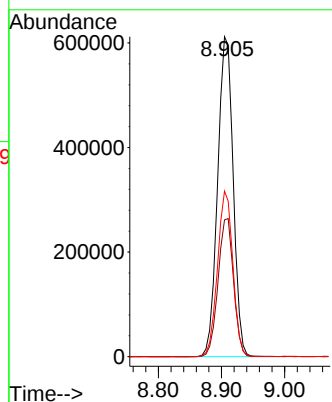
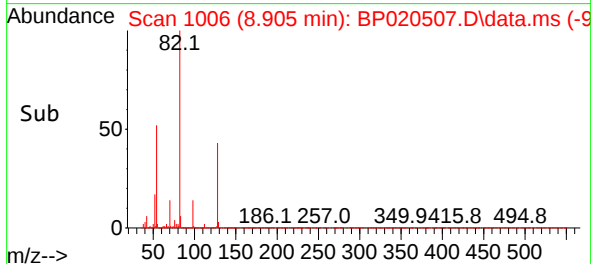
Instrument :
BNA_P
ClientSampleId :
72-11998



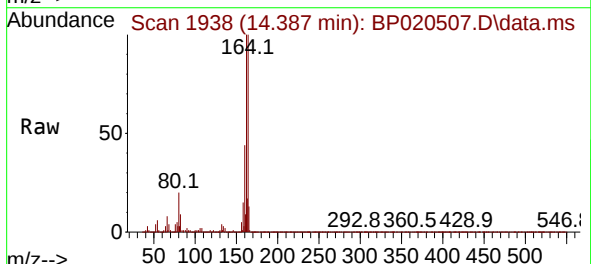
Tgt Ion: 82 Resp: 1044354
Ion Ratio Lower Upper
82 100
128 42.8 34.2 51.4
54 51.8 42.7 64.1

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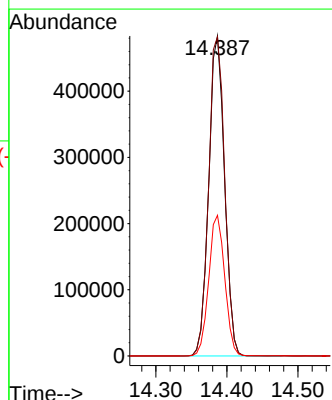
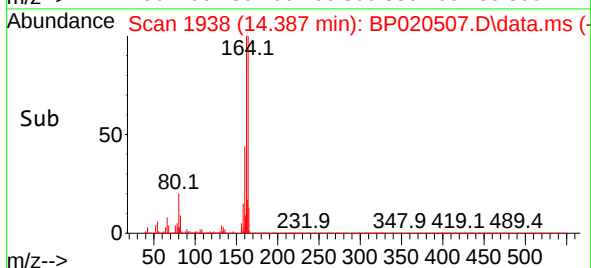
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024

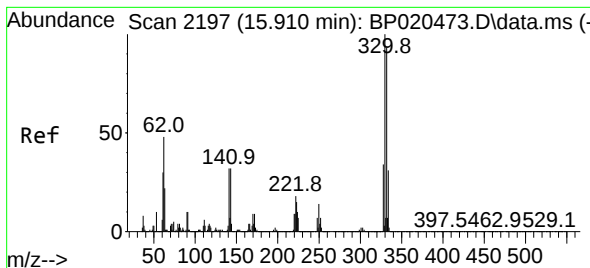


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39



Tgt Ion:164 Resp: 747458
Ion Ratio Lower Upper
164 100
162 99.8 80.3 120.5
160 44.0 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 87.501 ng

RT: 15.904 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BP020507.D

Acq: 04 Jun 2024 22:39

Instrument :

BNA_P

ClientSampleId :

72-11998

Tgt Ion:330 Resp: 678759

Ion Ratio Lower Upper

330 100

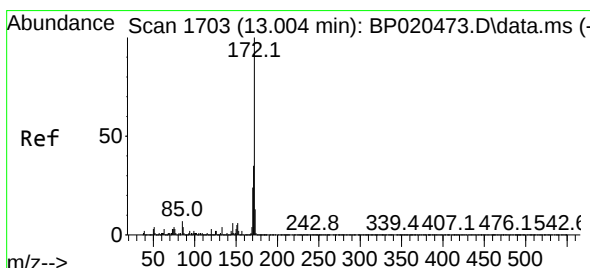
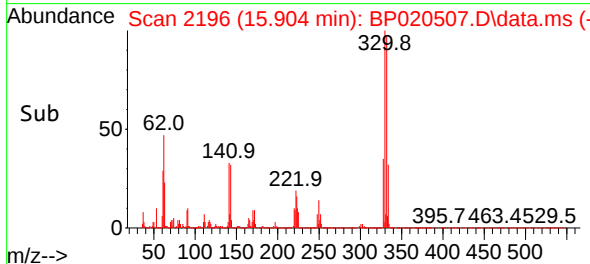
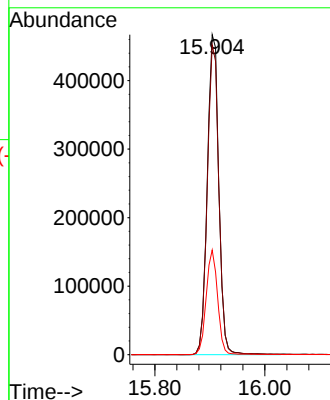
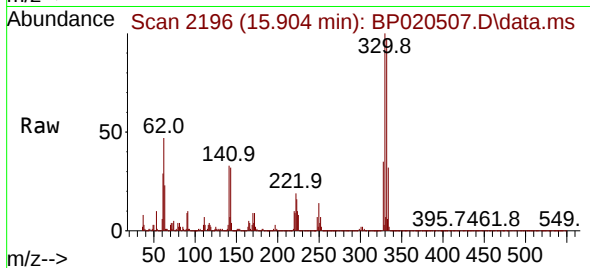
332 97.1 76.6 114.8

141 32.5 27.1 40.7

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 50.282 ng

RT: 12.999 min Scan# 1702

Delta R.T. -0.006 min

Lab File: BP020507.D

Acq: 04 Jun 2024 22:39

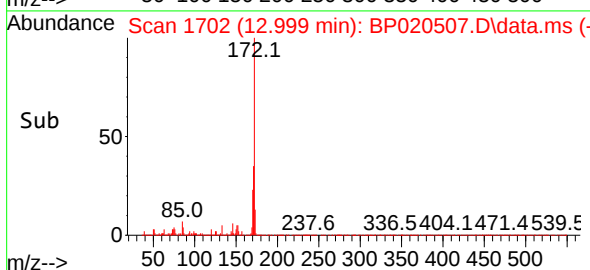
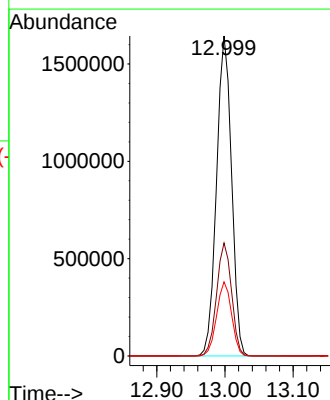
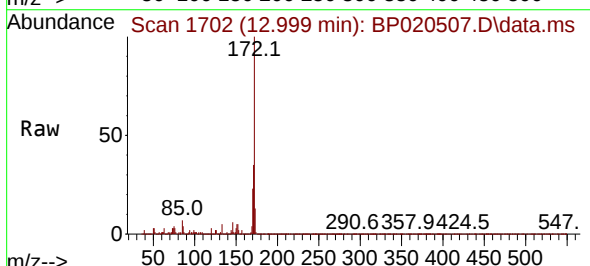
Tgt Ion:172 Resp: 2521164

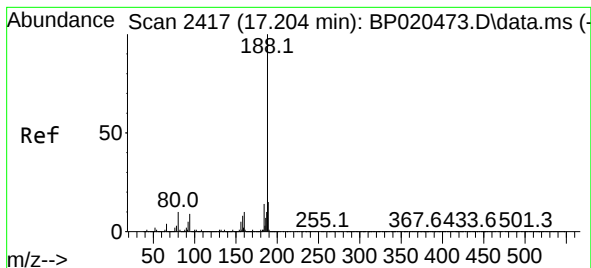
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.1 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP020507.D

Acq: 04 Jun 2024 22:39

Instrument :

BNA_P

ClientSampleId :

72-11998

Tgt Ion:188 Resp: 154737

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

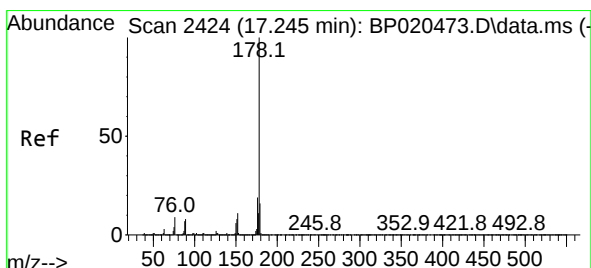
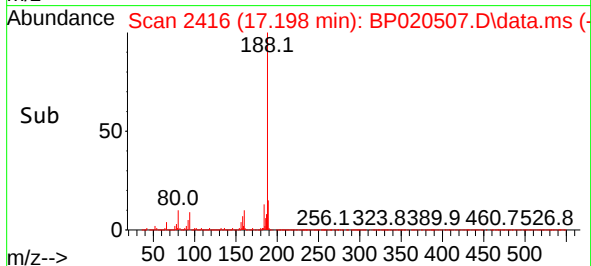
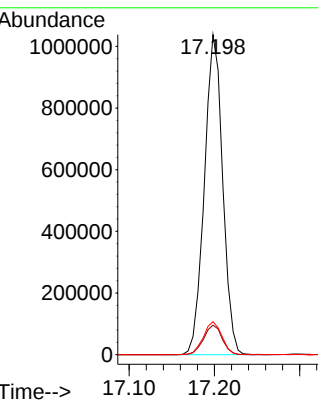
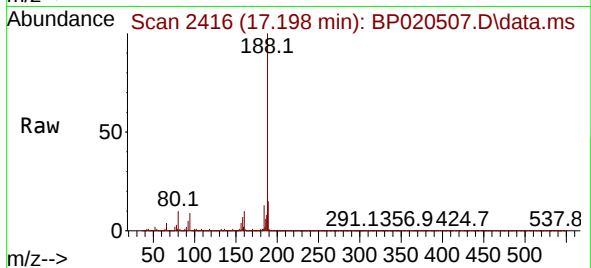
80 10.3 8.1 12.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/05/2024

Supervised By :mohammad ahmed 06/06/2024



#71

Phenanthrene

Concen: 7.268 ng

RT: 17.245 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP020507.D

Acq: 04 Jun 2024 22:39

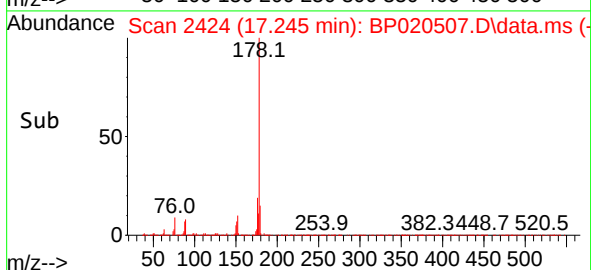
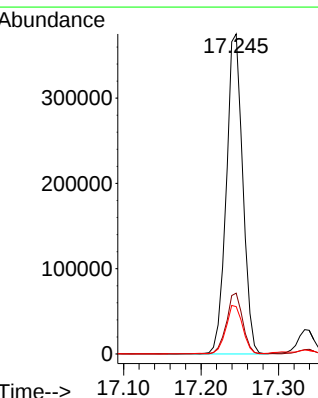
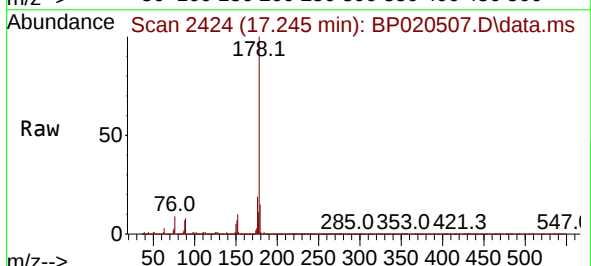
Tgt Ion:178 Resp: 552838

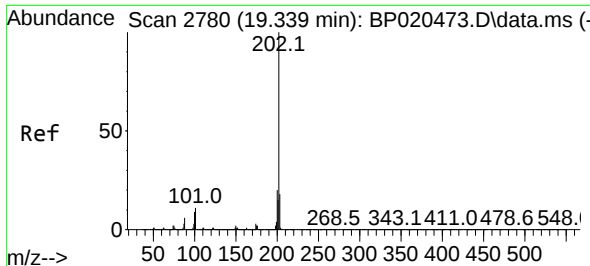
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

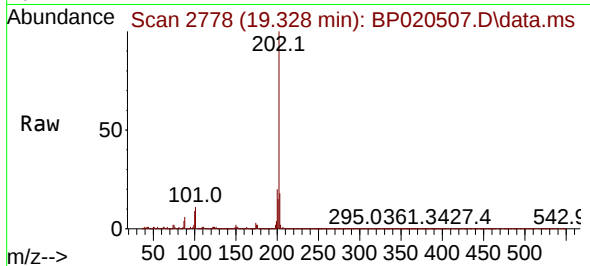
179 14.8 12.5 18.7





#75
Fluoranthene
Concen: 13.877 ng
RT: 19.328 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

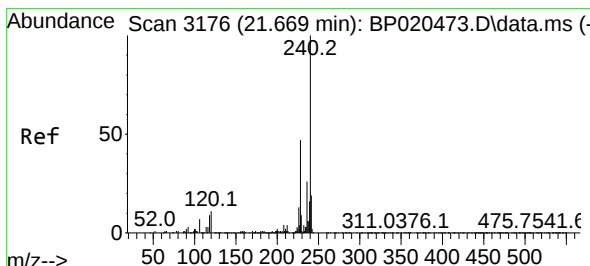
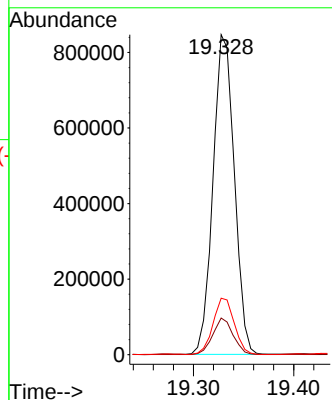
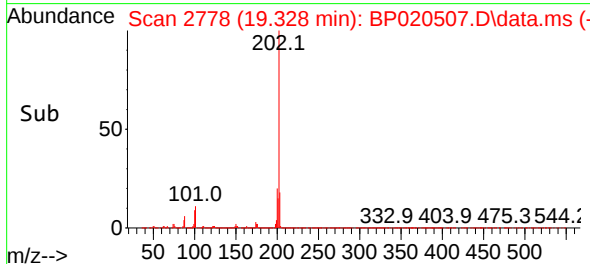
Instrument :
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Tgt Ion:202 Resp: 1248798
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 17.6 0.0 37.7

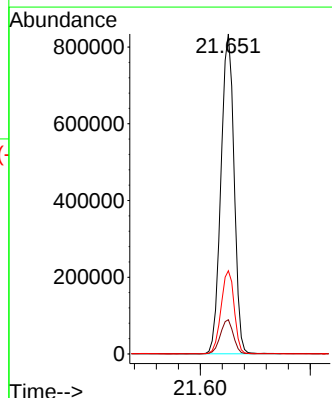
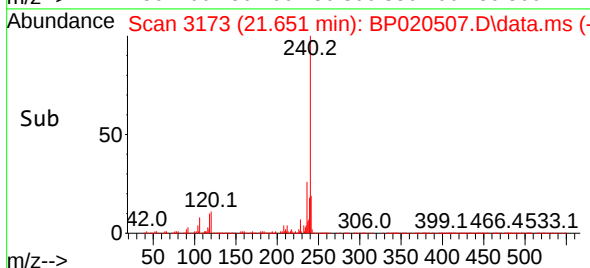
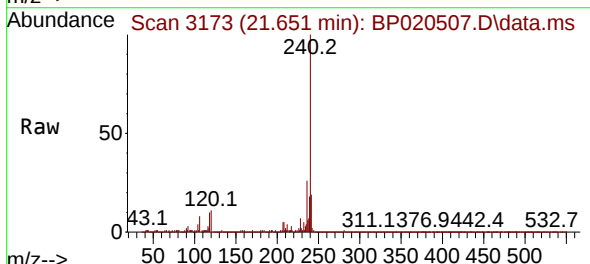
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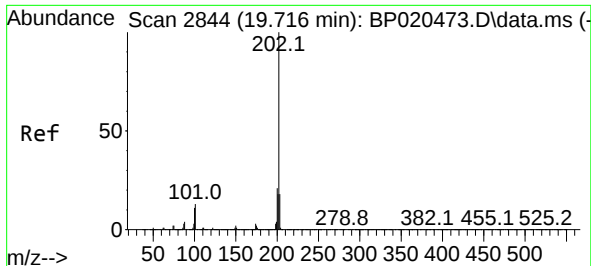
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3173
Delta R.T. -0.018 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

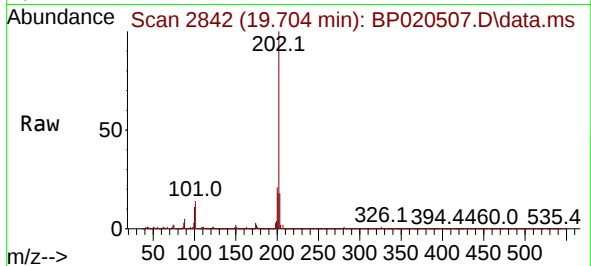
Tgt Ion:240 Resp: 1381873
Ion Ratio Lower Upper
240 100
120 10.7 8.5 12.7
236 26.0 20.5 30.7





#78
Pyrene
Concen: 8.696 ng
RT: 19.704 min Scan# 2842
Delta R.T. -0.012 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

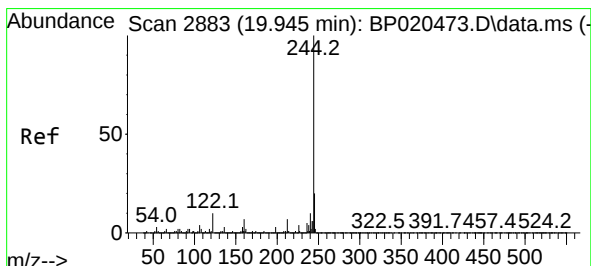
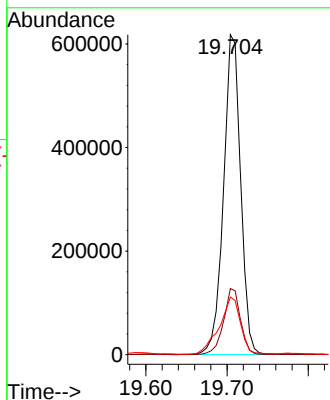
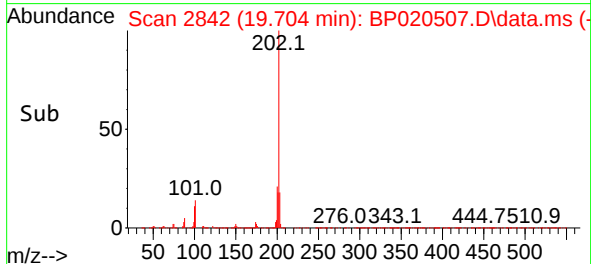
Instrument :
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Tgt Ion: 202 Resp: 903835
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 18.0 14.1 21.1

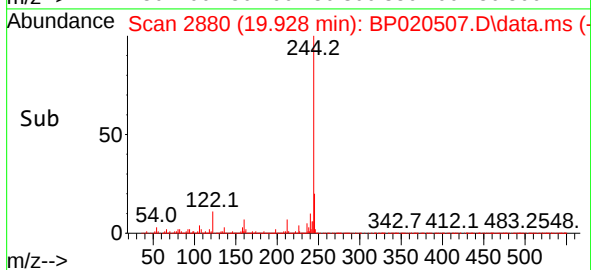
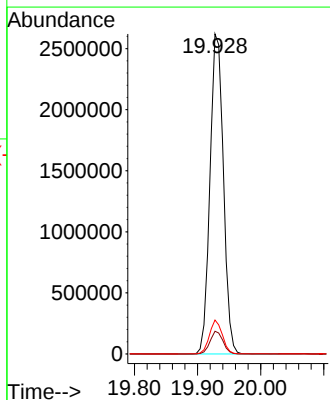
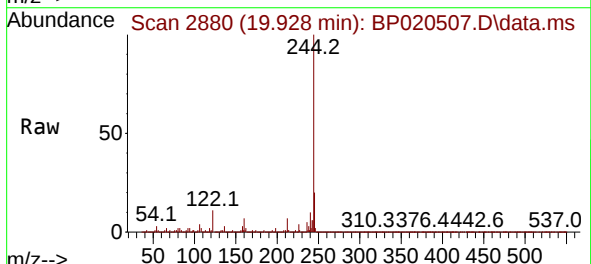
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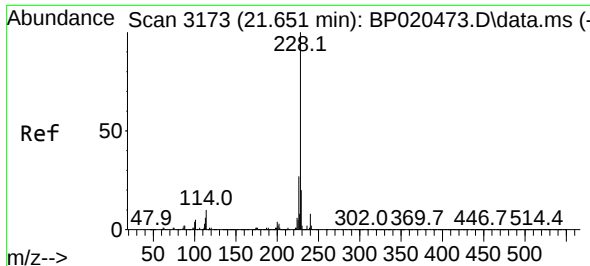
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#79
Terphenyl-d14
Concen: 46.541 ng
RT: 19.928 min Scan# 2880
Delta R.T. -0.017 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

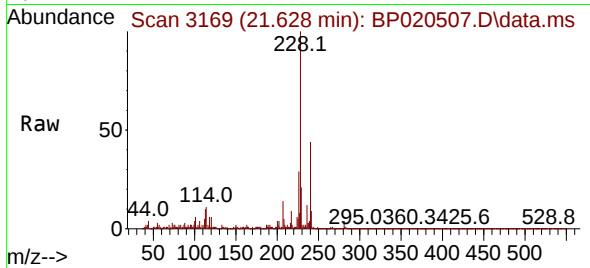
Tgt Ion: 244 Resp: 3863352
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 10.6 8.2 12.2





#81
Benzo(a)anthracene
Concen: 5.005 ng
RT: 21.628 min Scan# 3173
Delta R.T. -0.023 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

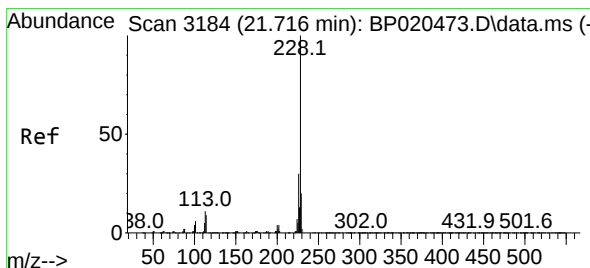
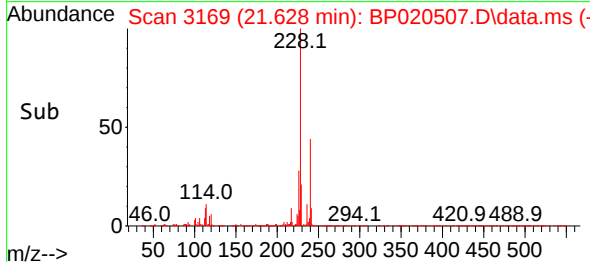
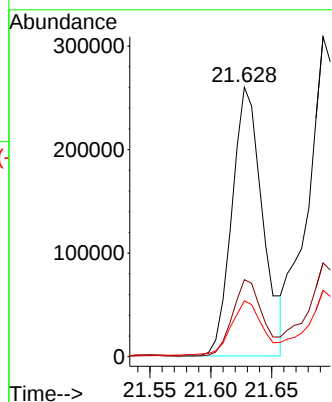
Instrument :
BNA_P
ClientSampleId :
72-11998



Tgt Ion:228 Resp: 455420
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.7 15.8 23.6

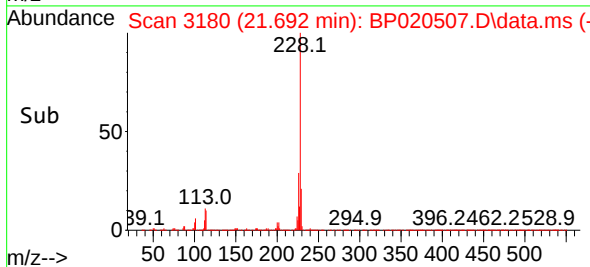
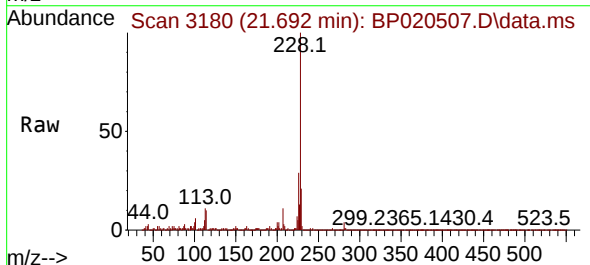
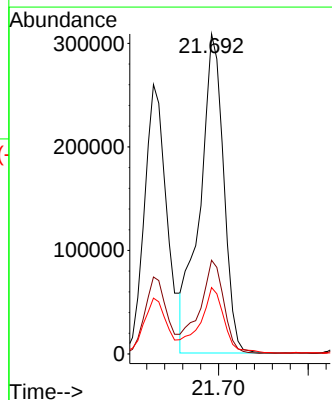
Manual Integrations
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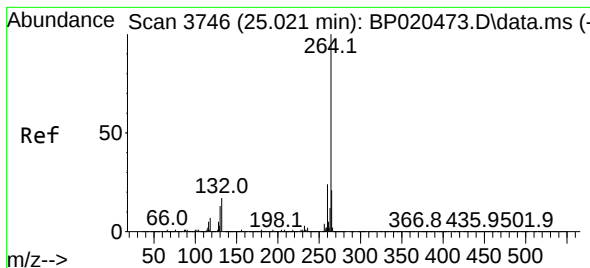
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#83
Chrysene
Concen: 6.610 ng
RT: 21.692 min Scan# 3180
Delta R.T. -0.023 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

Tgt Ion:228 Resp: 566697
Ion Ratio Lower Upper
228 100
226 29.3 24.0 36.0
229 20.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.998 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP020507.D

Acq: 04 Jun 2024 22:39

Instrument :

BNA_P

ClientSampleId :

72-11998

Tgt Ion:264 Resp: 1586510

Ion Ratio Lower Upper

264 100

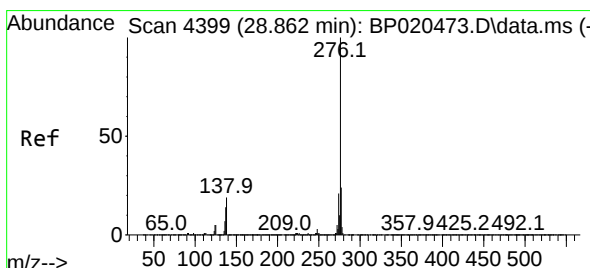
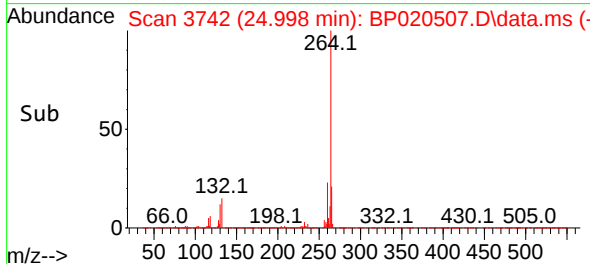
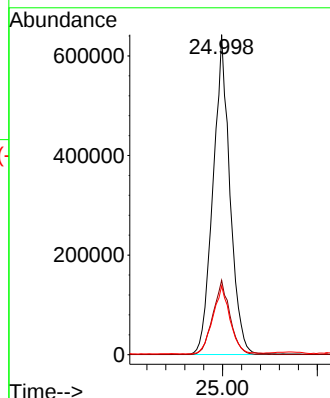
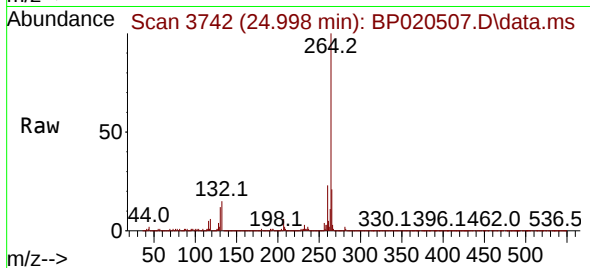
260 23.3 18.9 28.3

265 21.5 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.758 ng

RT: 28.804 min Scan# 4389

Delta R.T. -0.059 min

Lab File: BP020507.D

Acq: 04 Jun 2024 22:39

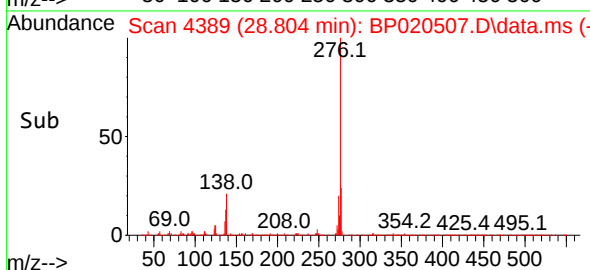
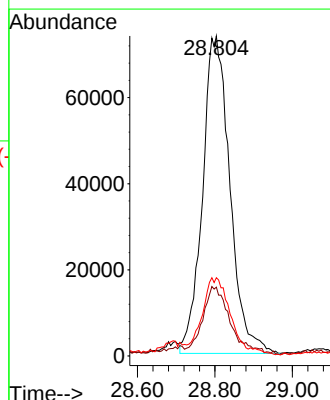
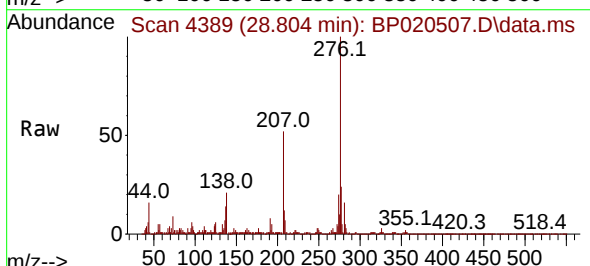
Tgt Ion:276 Resp: 362548

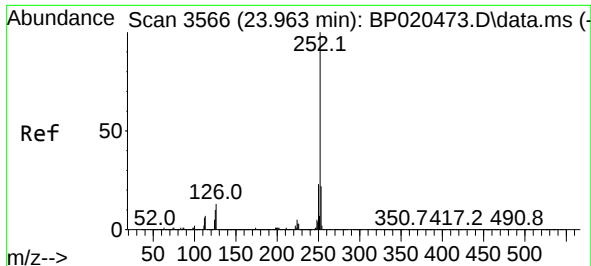
Ion Ratio Lower Upper

276 100

138 21.7 12.8 19.2#

277 25.1 15.6 23.4#





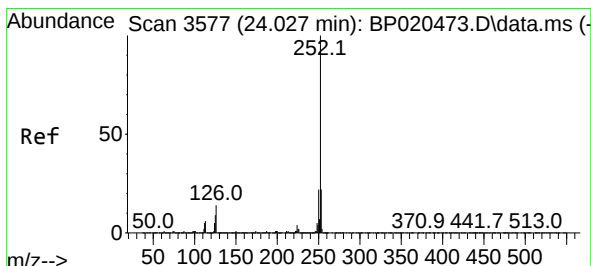
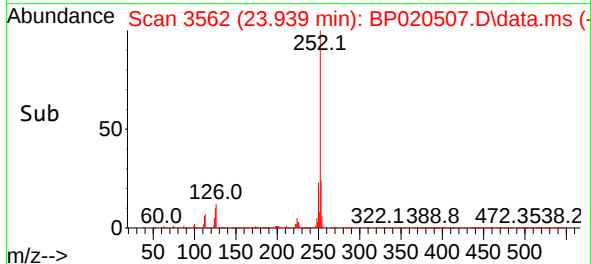
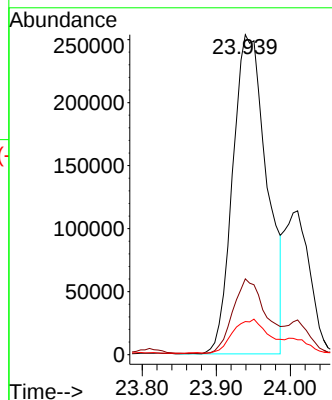
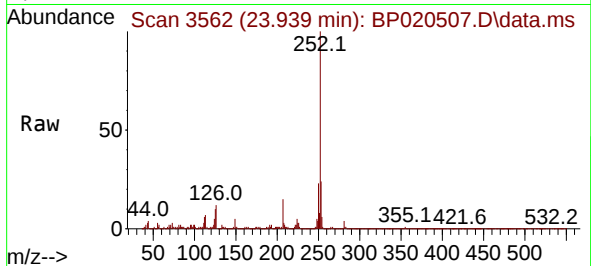
#88
Benzo(b)fluoranthene
Concen: 8.220 ng
RT: 23.939 min Scan# 3562
Delta R.T. -0.023 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

Instrument :
BNA_P
ClientSampleId :
72-11998

Tgt Ion:252 Resp: 81243
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 10.3 8.0 12.0

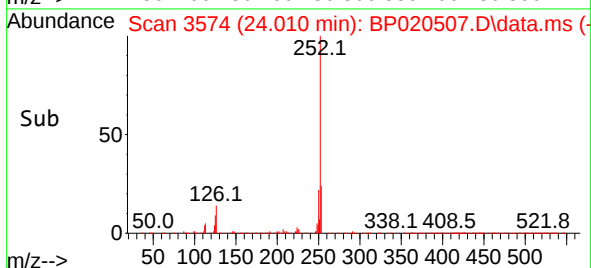
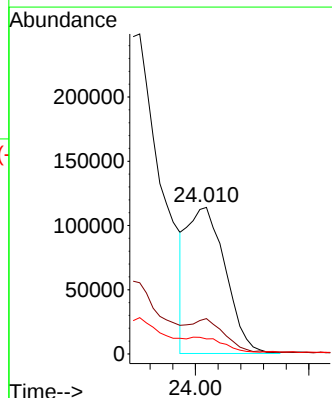
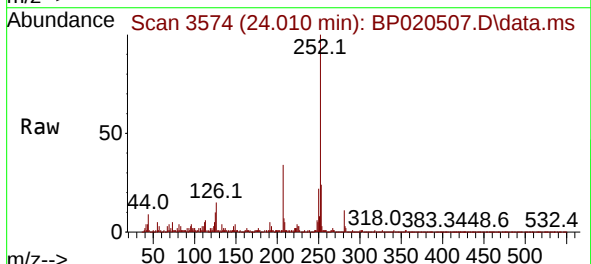
Manual Integrations
APPROVED

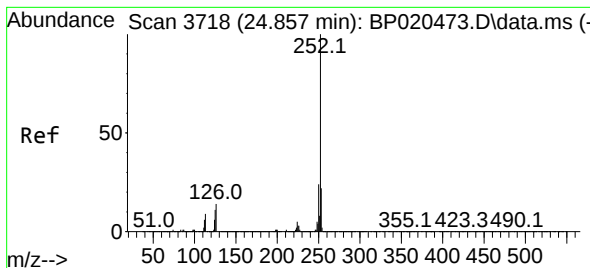
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#89
Benzo(k)fluoranthene
Concen: 2.780 ng m
RT: 24.010 min Scan# 3574
Delta R.T. -0.018 min
Lab File: BP020507.D
Acq: 04 Jun 2024 22:39

Tgt Ion:252 Resp: 267962
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 10.3 7.8 11.6





#90

Benzo(a)pyrene

Concen: 5.487 ng

RT: 24.833 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP020507.D

Acq: 04 Jun 2024 22:39

Instrument :

BNA_P

ClientSampleId :

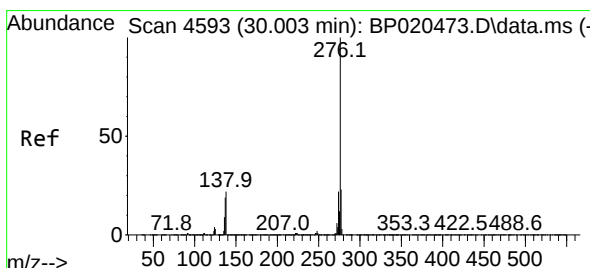
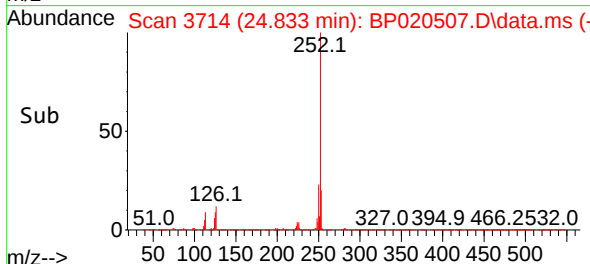
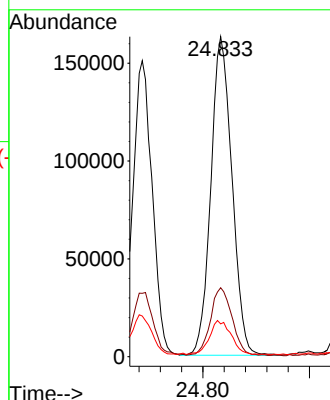
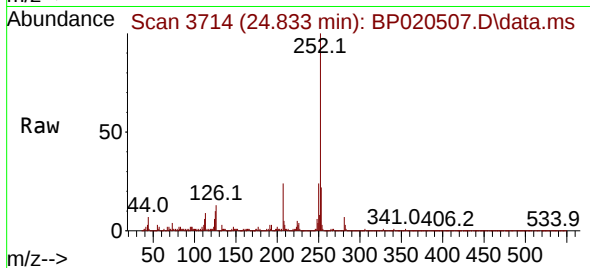
72-11998

Tgt Ion:	252	Resp:	449128
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.4	26.2
125	10.3	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/06/2024



#92

Benzo(g,h,i)perylene

Concen: 4.286 ng

RT: 29.956 min Scan# 4585

Delta R.T. -0.047 min

Lab File: BP020507.D

Acq: 04 Jun 2024 22:39

Tgt Ion:	276	Resp:	344696
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.7	28.1
138	22.0	17.7	26.5

