

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061124\
 Data File : BP020594.D
 Acq On : 11 Jun 2024 19:21
 Operator : MA/JU
 Sample : P2786-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-060724

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

06/12/2024
 Supervised By :mohammad
 ahmed

Quant Time: Jun 12 01:27:57 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	7.758	152	335169	20.000	ng	-0.01
21) Naphthalene-d8	10.522	136	1336639	20.000	ng	-0.01
39) Acenaphthene-d10	14.375	164	864327	20.000	ng	-0.02
64) Phenanthrene-d10	17.187	188	1713764	20.000	ng	-0.02
76) Chrysene-d12	21.645	240	1528770	20.000	ng	-0.02
86) Perylene-d12	25.010	264	1808286	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	804226	42.961	ng	0.00
7) Phenol-d6	6.934	99	1051896	39.845	ng	0.00
23) Nitrobenzene-d5	8.899	82	650305	26.632	ng	-0.02
42) 2,4,6-Tribromophenol	15.898	330	456527	50.895	ng	-0.01
45) 2-Fluorobiphenyl	12.987	172	1444697	24.917	ng	-0.02
79) Terphenyl-d14	19.928	244	2051530	22.340	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	17.234	178	1422605	16.887	ng	99
72) Anthracene	17.328	178	457398	5.533	ng	99
75) Fluoranthene	19.322	202	2616077	26.249	ng	99
78) Pyrene	19.704	202	3185644	27.703	ng	99
81) Benzo(a)anthracene	21.622	228	1506021	14.961	ng	98
83) Chrysene	21.692	228	1426565	15.040	ng	98
87) Indeno(1,2,3-cd)pyrene	28.809	276	761101	6.922	ng	# 92
88) Benzo(b)fluoranthene	23.939	252	1582785	14.050	ng	95
89) Benzo(k)fluoranthene	24.010	252	521570m	4.747	ng	
90) Benzo(a)pyrene	24.845	252	1322963	14.180	ng	98
91) Dibenzo(a,h)anthracene	28.880	278	225470	2.458	ng	# 87
92) Benzo(g,h,i)perylene	29.998	276	730378	7.967	ng	97

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

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HD-02-060724

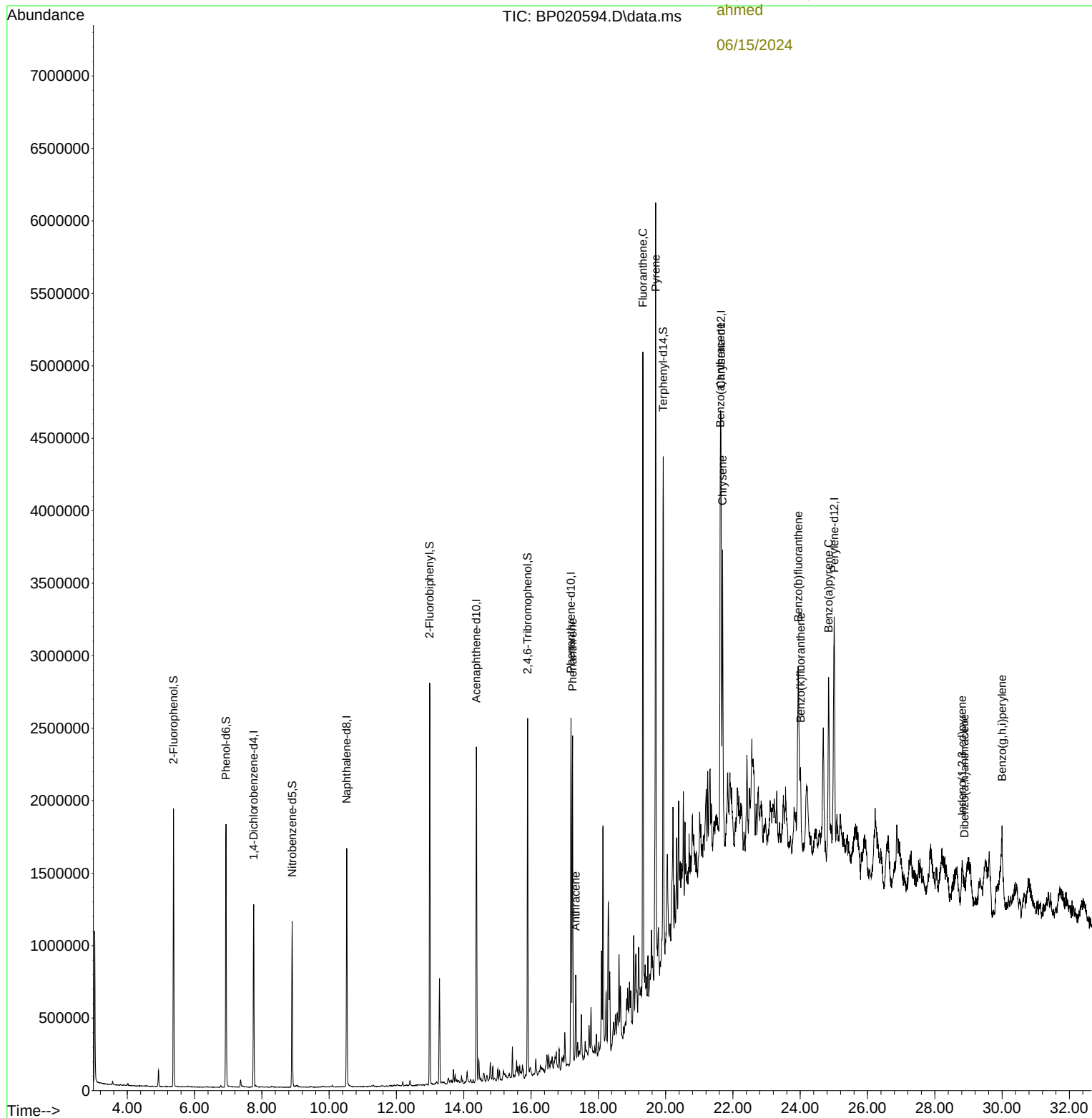
Quant Time: Jun 12 01:27:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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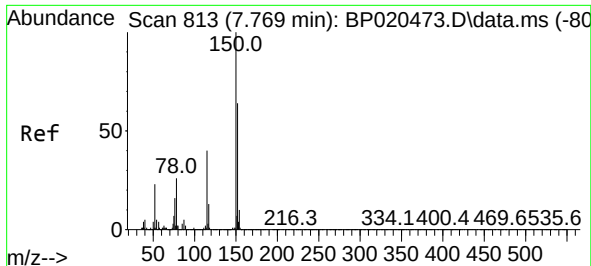
Manual Integrations
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ahmed

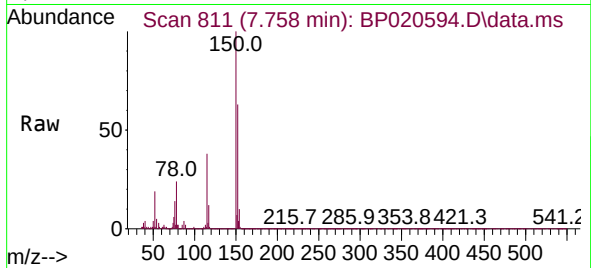
06/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 813
Delta R.T. -0.011 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

Instrument :
BNA_P
ClientSampleId :
HD-02-060724



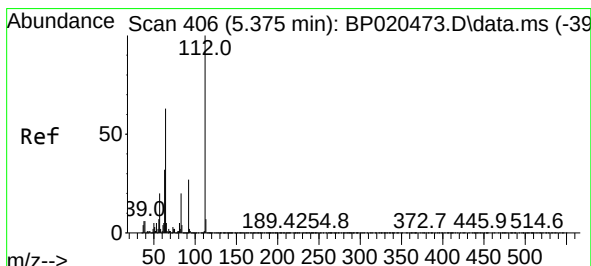
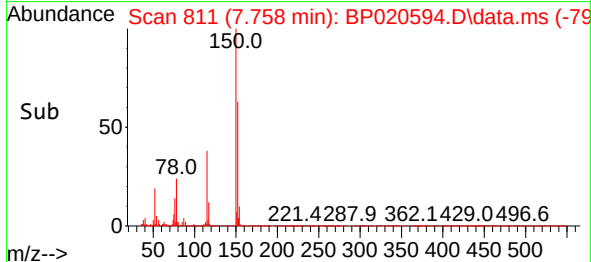
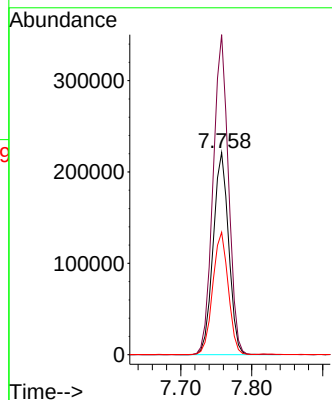
Tgt Ion:152 Resp: 335169
Ion Ratio Lower Upper
152 100
150 158.3 124.2 186.2
115 60.6 49.5 74.3

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Upadhyay

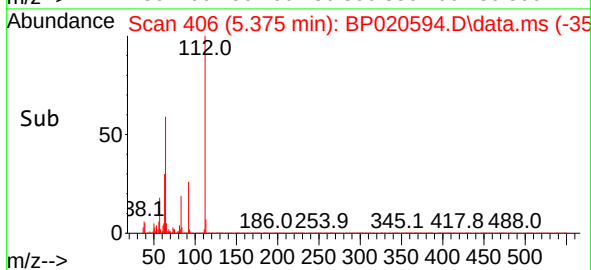
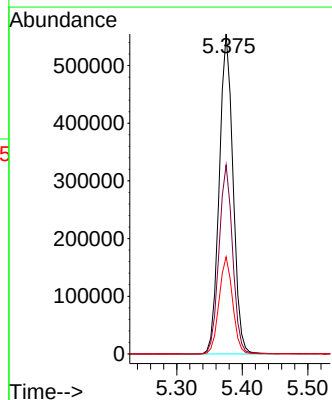
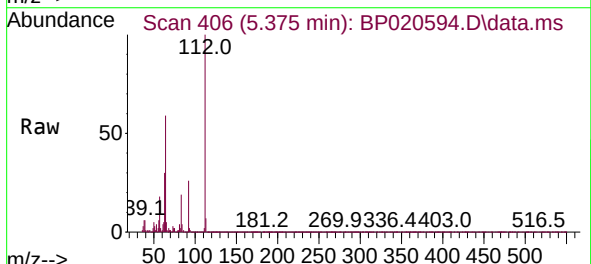
06/12/2024
Supervised By :mohammad
ahmed

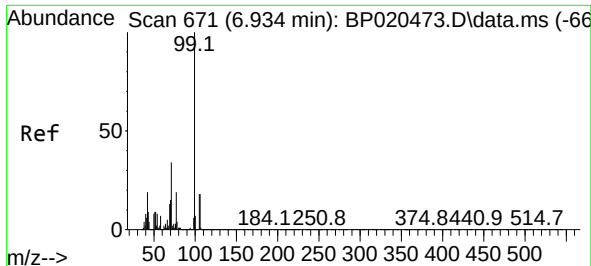
06/15/2024



#5
2-Fluorophenol
Concen: 42.961 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

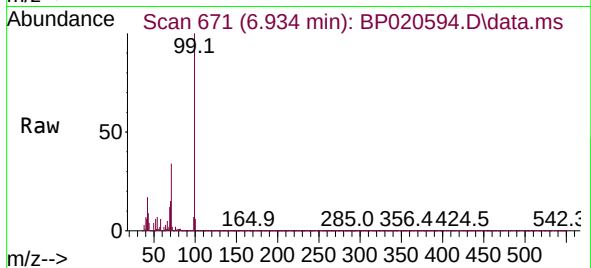
Tgt Ion:112 Resp: 804226
Ion Ratio Lower Upper
112 100
64 59.1 50.1 75.1
63 30.4 25.7 38.5





#7
Phenol-d6
Concen: 39.845 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

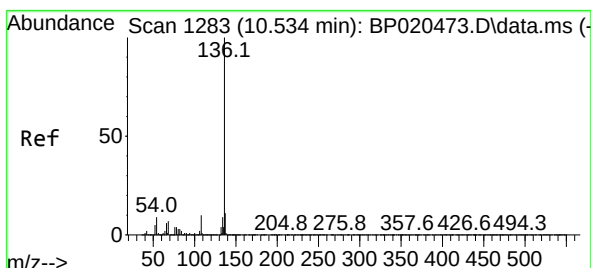
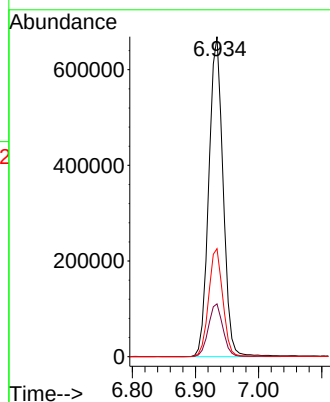
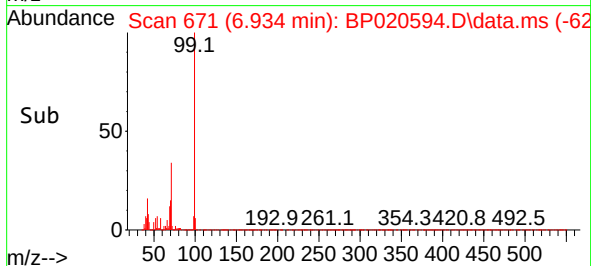
Instrument :
BNA_P
ClientSampleId :
HD-02-060724



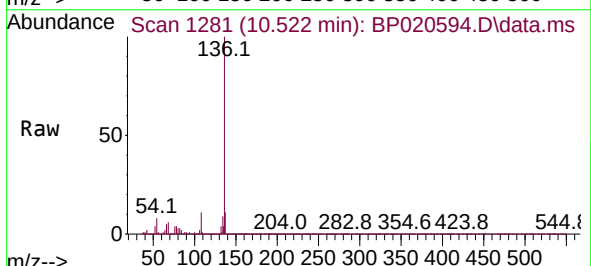
Tgt Ion: 99 Resp: 1051890
Ion Ratio Lower Upper
99 100
42 16.5 15.0 22.4
71 33.8 27.3 40.9

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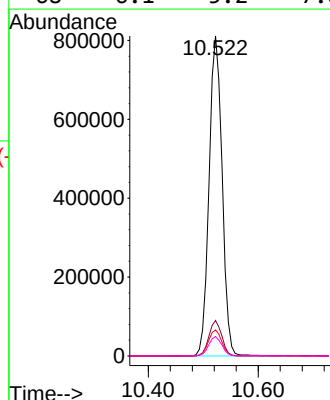
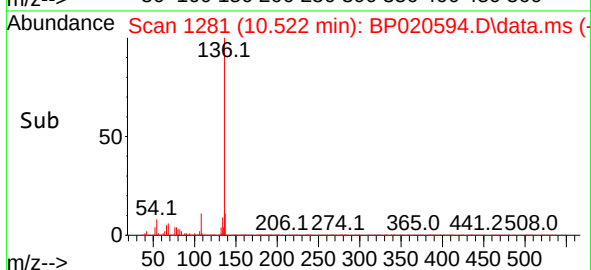
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024

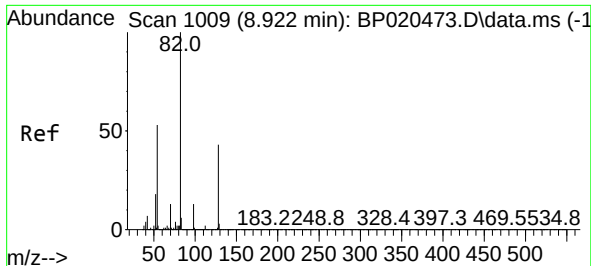


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21



Tgt Ion:136 Resp: 1336639
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.2 7.4 11.0
68 6.1 5.2 7.8





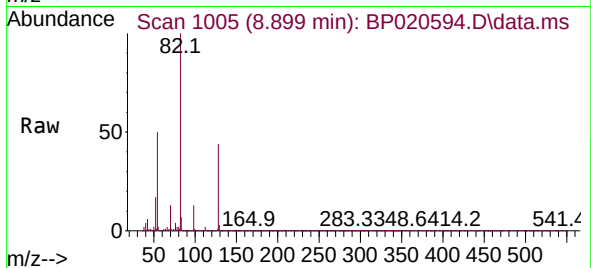
#23
Nitrobenzene-d5
Concen: 26.632 ng
RT: 8.899 min Scan# 1005
Delta R.T. -0.023 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-060724

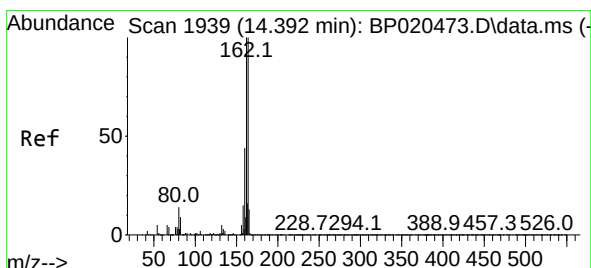
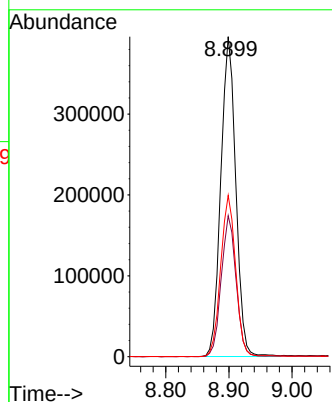
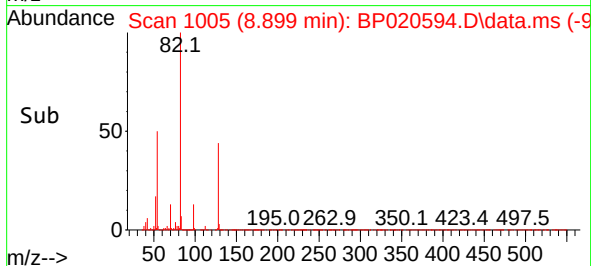


Tgt Ion: 82 Resp: 65030
Ion Ratio Lower Upper
82 100
128 44.1 34.2 51.4
54 50.4 42.7 64.1

Manual Integrations

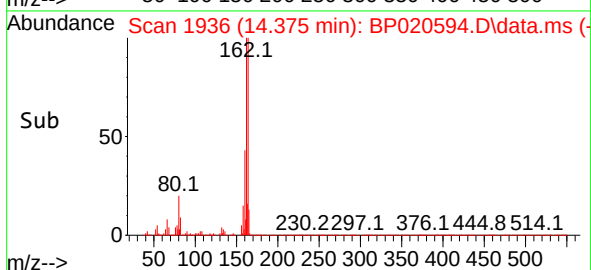
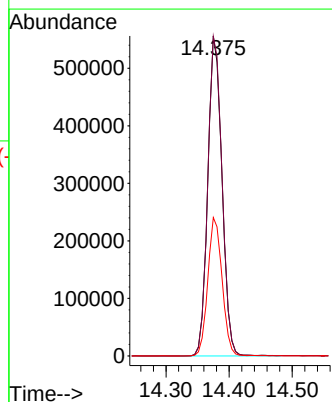
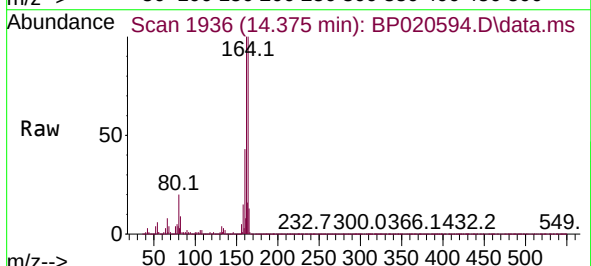
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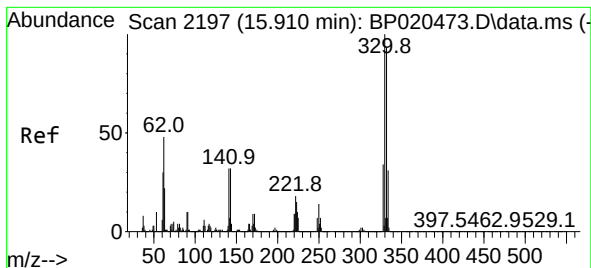
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

Tgt Ion:164 Resp: 864327
Ion Ratio Lower Upper
164 100
162 99.9 80.3 120.5
160 43.2 35.4 53.2





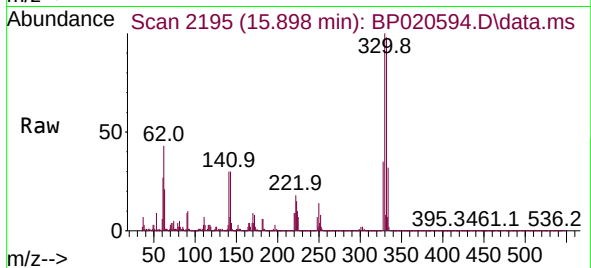
#42
2,4,6-Tribromophenol
Concen: 50.895 ng
RT: 15.898 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-060724

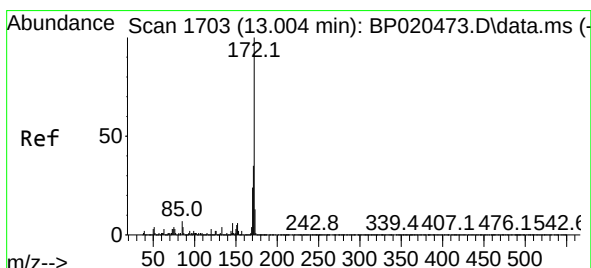
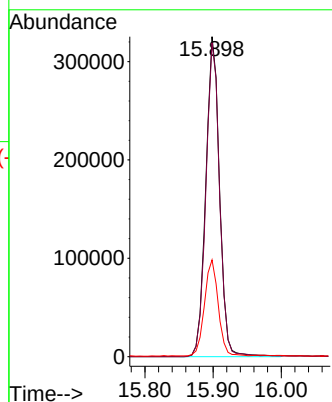
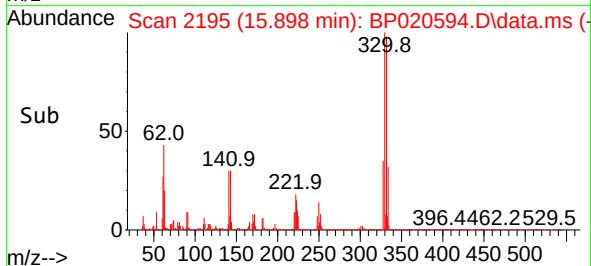


Tgt Ion:330 Resp: 45652
Ion Ratio Lower Upper
330 100
332 98.1 76.6 114.8
141 29.8 27.1 40.7

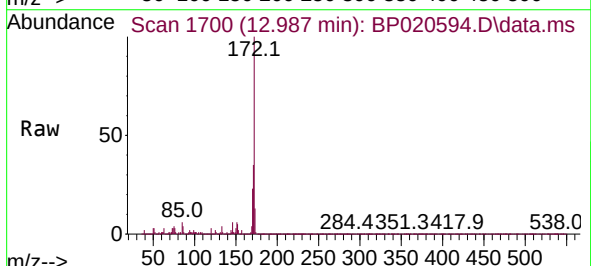
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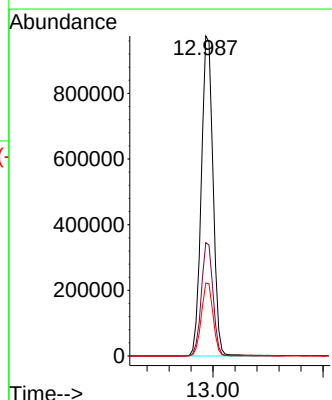
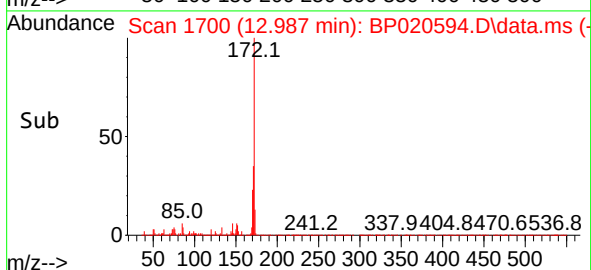
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024

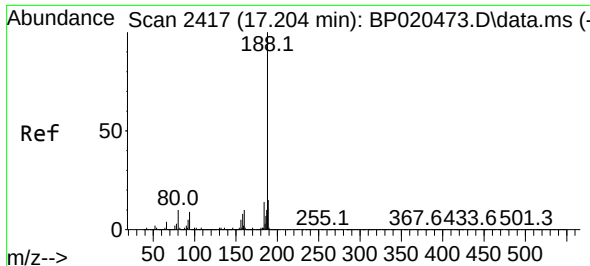


#45
2-Fluorobiphenyl
Concen: 24.917 ng
RT: 12.987 min Scan# 1700
Delta R.T. -0.018 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21



Tgt Ion:172 Resp: 1444697
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 22.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

Instrument :

BNA_P

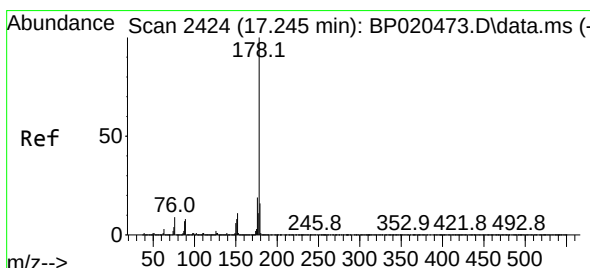
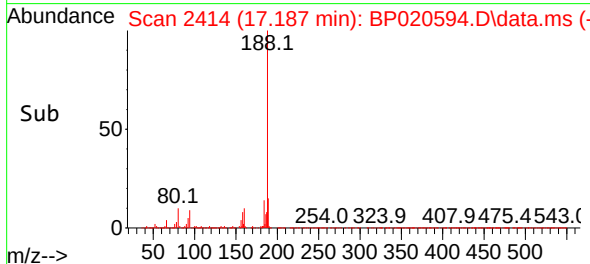
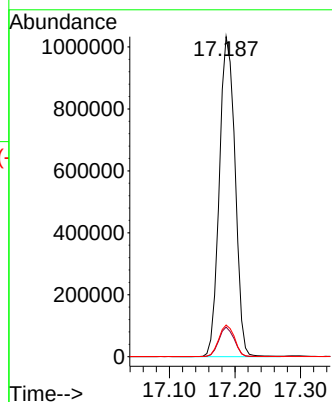
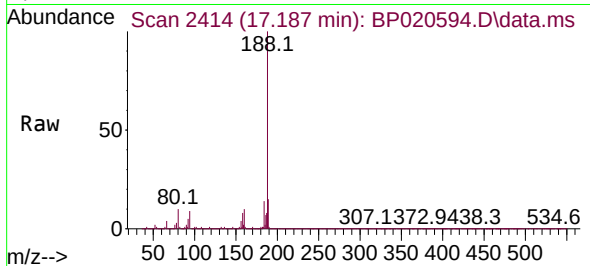
ClientSampleId :

HD-02-060724

Tgt Ion:188 Resp: 1713764
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 9.9 8.1 12.1

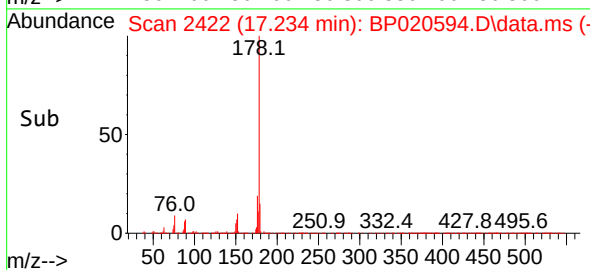
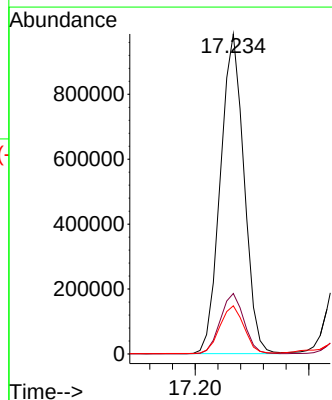
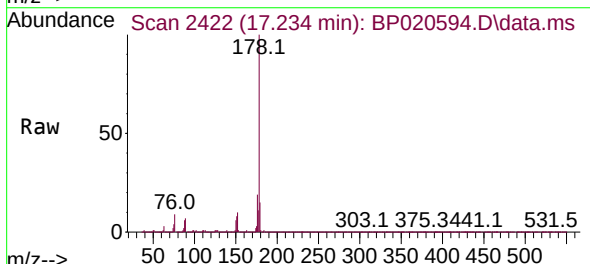
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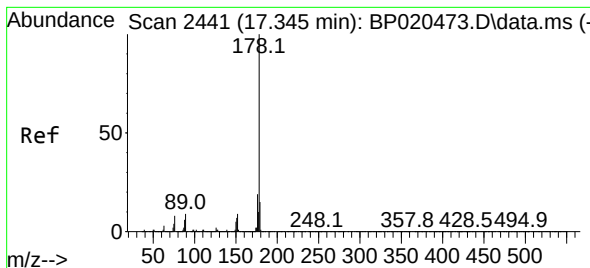
Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024



#71
Phenanthrene
Concen: 16.887 ng
RT: 17.234 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

Tgt Ion:178 Resp: 1422605
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.0 12.5 18.7





#72

Anthracene

Concen: 5.533 ng

RT: 17.328 min Scan# 2441

Delta R.T. -0.018 min

Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

Instrument :

BNA_P

ClientSampleId :

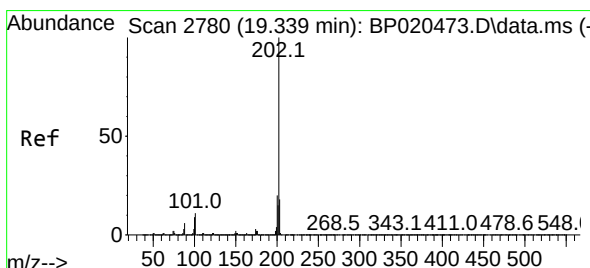
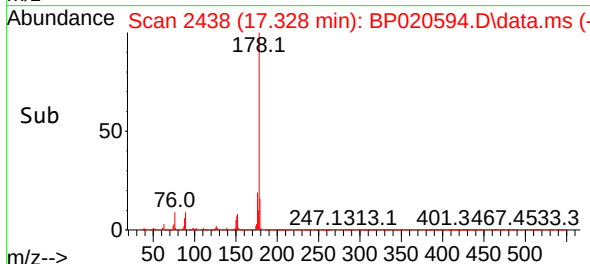
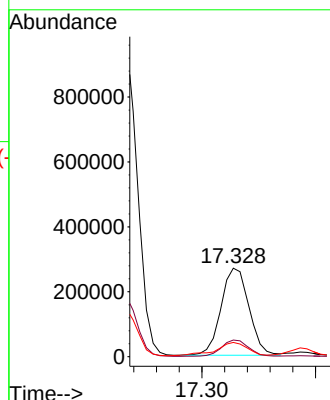
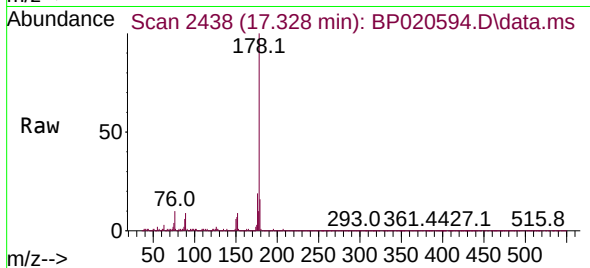
HD-02-060724

Tgt Ion:178 Resp: 457398
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 16.1 12.2 18.4

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#75

Fluoranthene

Concen: 26.249 ng

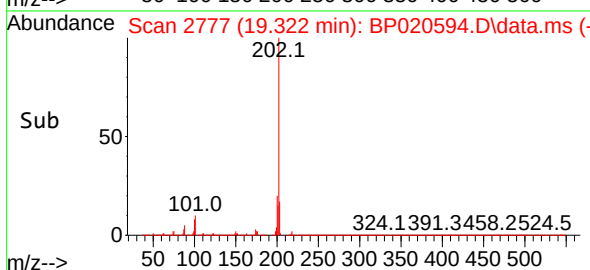
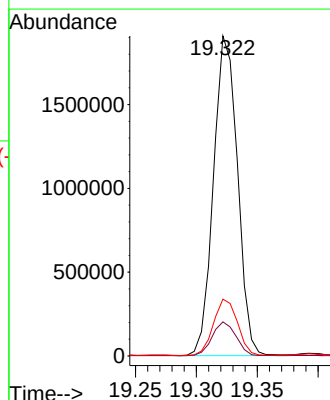
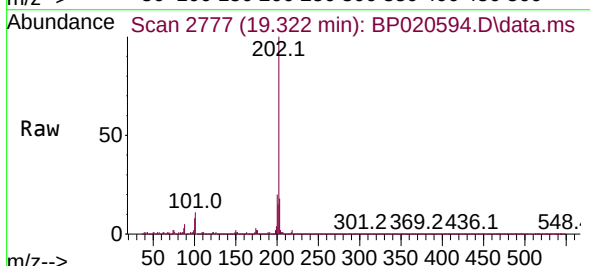
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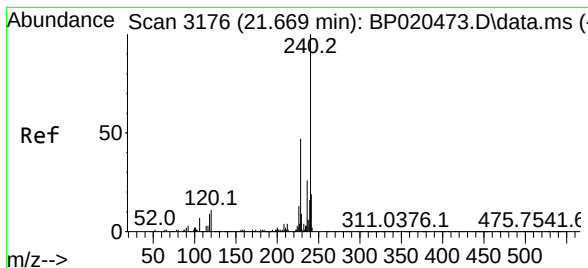
Delta R.T. -0.018 min

Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

Tgt Ion:202 Resp: 2616077
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.4
 203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.645 min Scan# 3176

Delta R.T. -0.023 min

Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

Instrument :

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HD-02-060724

Tgt Ion:240 Resp: 1528770

Ion Ratio Lower Upper

240 100

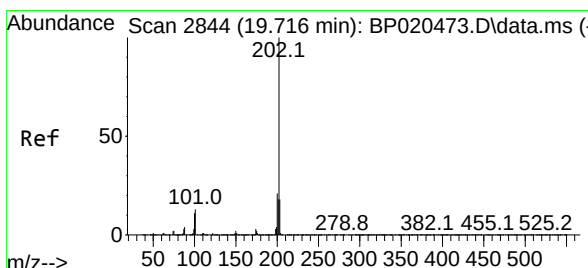
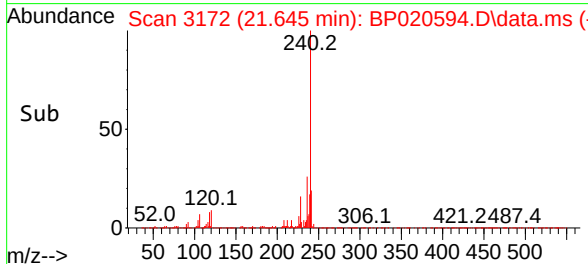
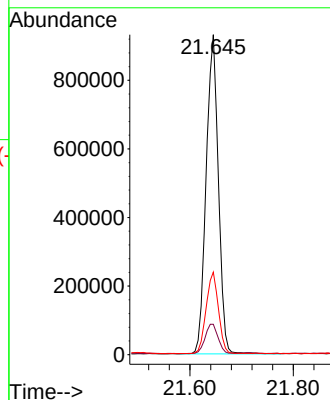
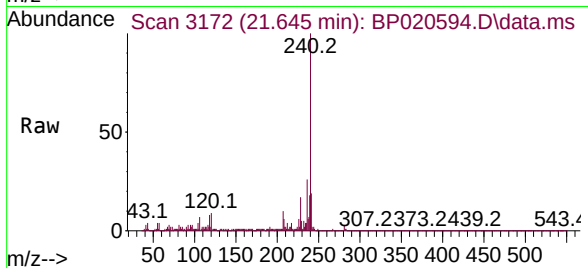
120 9.5 8.5 12.7

236 25.8 20.5 30.7

Manual Integrations

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Supervised By :mohammad ahmed 06/15/2024



#78

Pyrene

Concen: 27.703 ng

RT: 19.704 min Scan# 2842

Delta R.T. -0.012 min

Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

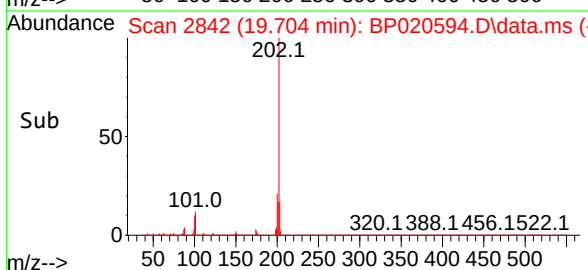
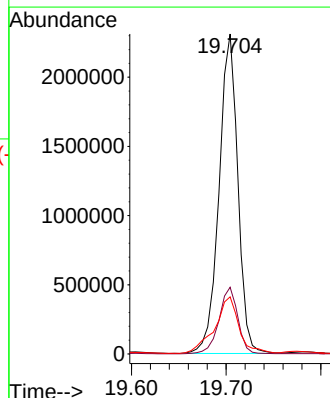
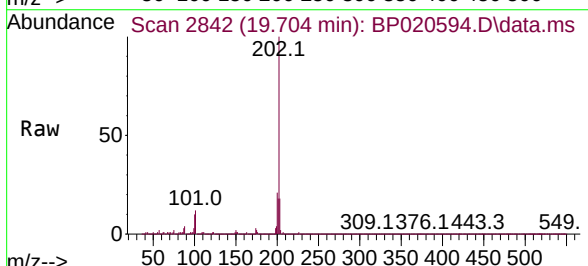
Tgt Ion:202 Resp: 3185644

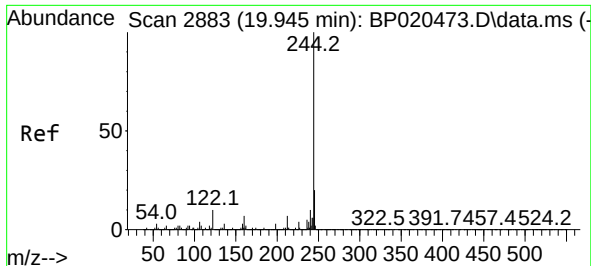
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.8 14.1 21.1





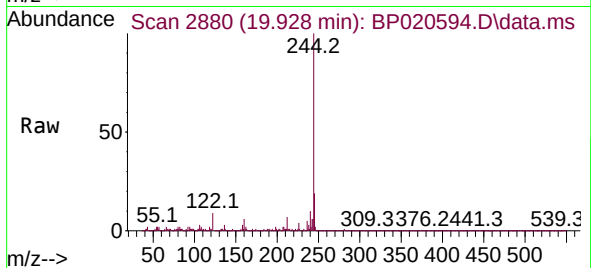
#79
 Terphenyl-d14
 Concen: 22.340 ng
 RT: 19.928 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BP020594.D
 Acq: 11 Jun 2024 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-060724

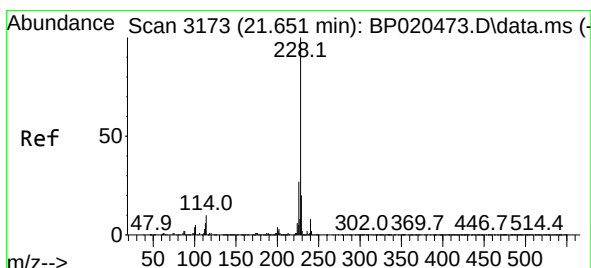
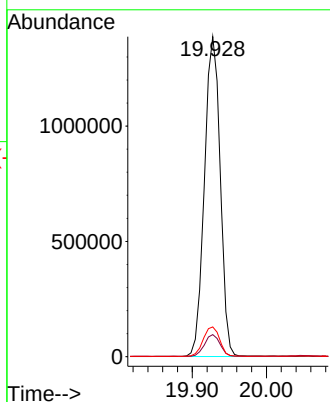
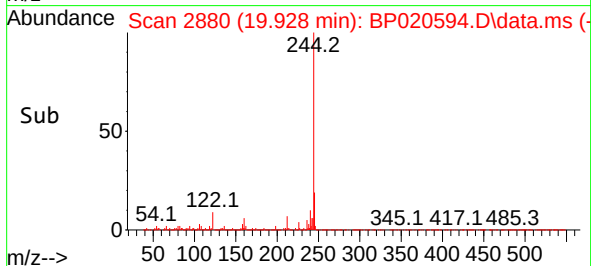


Tgt Ion:244 Resp: 2051530
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 9.3 8.2 12.2

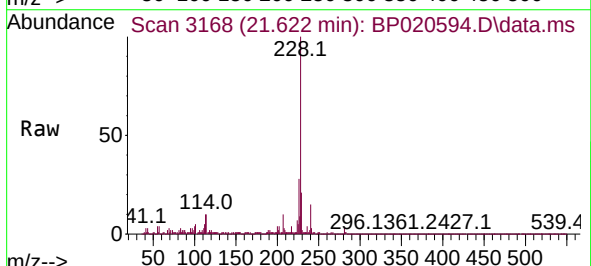
Manual Integrations

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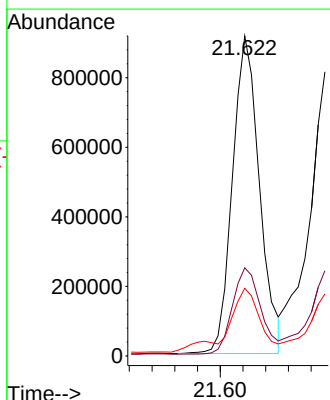
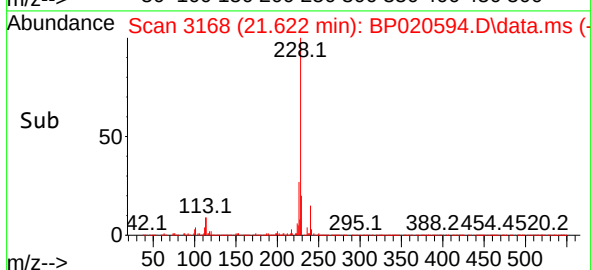
Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/15/2024

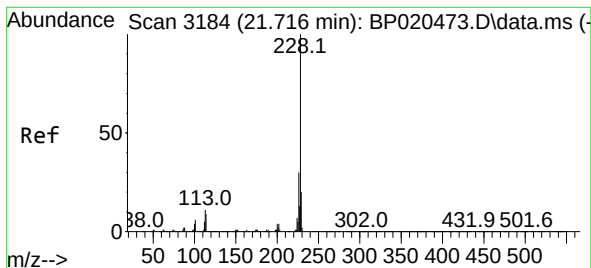


#81
 Benzo(a)anthracene
 Concen: 14.961 ng
 RT: 21.622 min Scan# 3168
 Delta R.T. -0.029 min
 Lab File: BP020594.D
 Acq: 11 Jun 2024 19:21



Tgt Ion:228 Resp: 1506021
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.7 32.5
 229 21.2 15.8 23.6





#83

Chrysene

Concen: 15.040 ng

RT: 21.692 min Scan# 3184

Delta R.T. -0.023 min

Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-060724

Tgt Ion:228 Resp: 142656

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

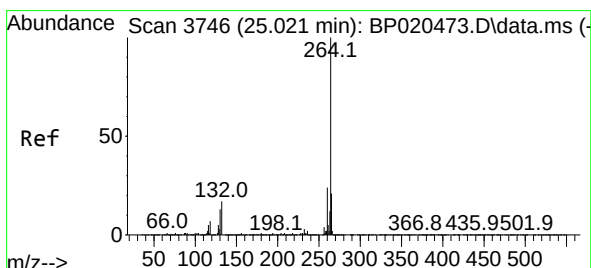
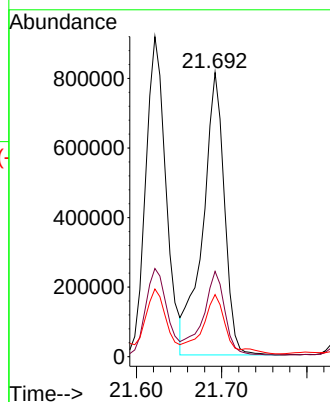
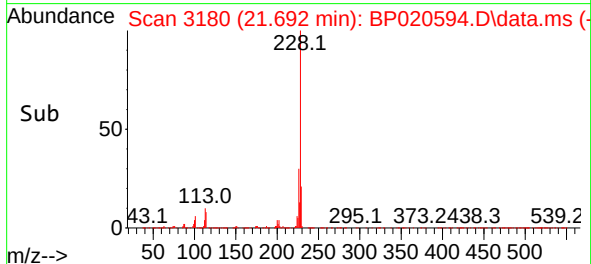
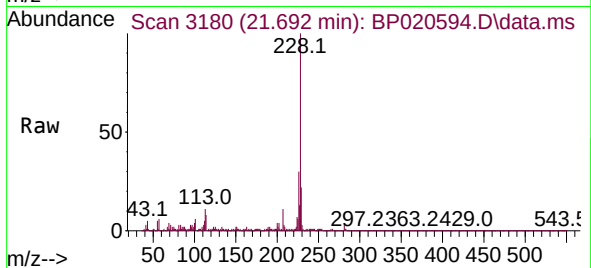
229 21.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024

Supervised By :mohammad ahmed 06/15/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.010 min Scan# 3744

Delta R.T. -0.012 min

Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

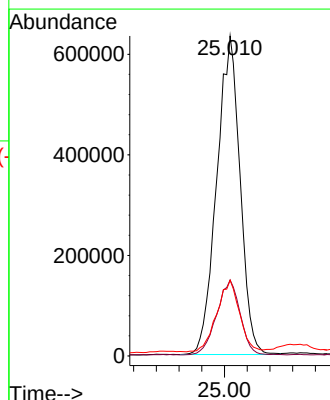
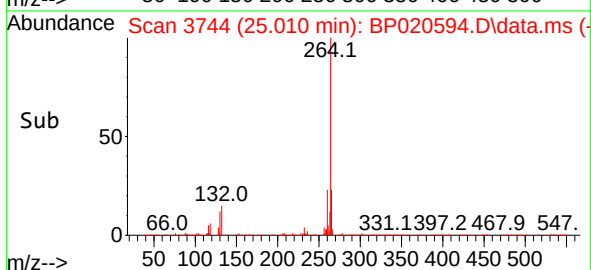
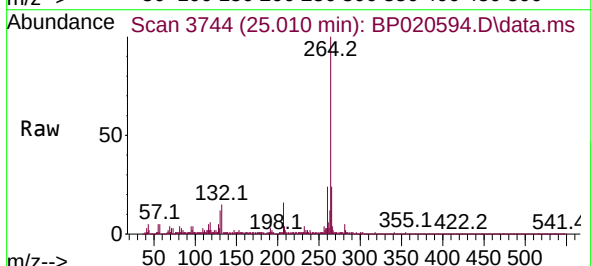
Tgt Ion:264 Resp: 1808286

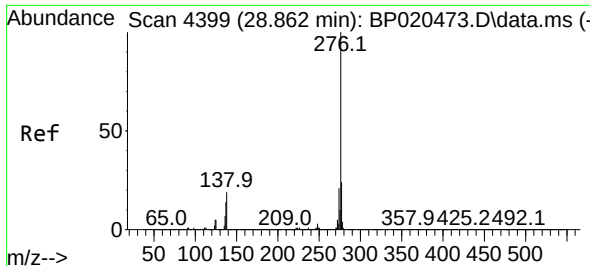
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 23.7 17.4 26.0





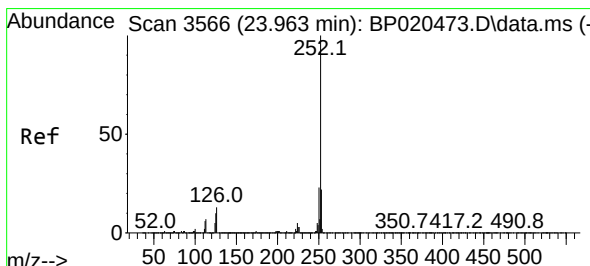
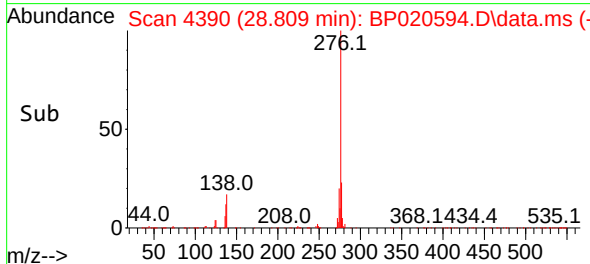
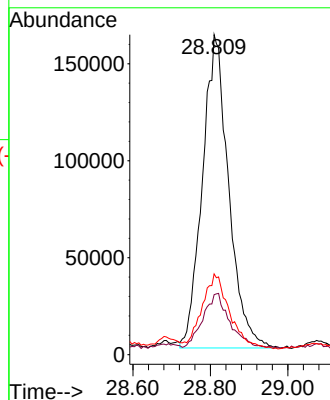
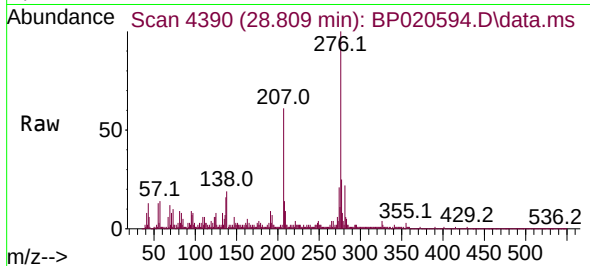
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.922 ng
RT: 28.809 min Scan# 4399
Delta R.T. -0.053 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

Instrument :
BNA_P
ClientSampleId :
HD-02-060724

Tgt Ion: 276 Resp: 76110
Ion Ratio Lower Upper
276 100
138 17.2 12.8 19.2
277 25.0 15.6 23.4

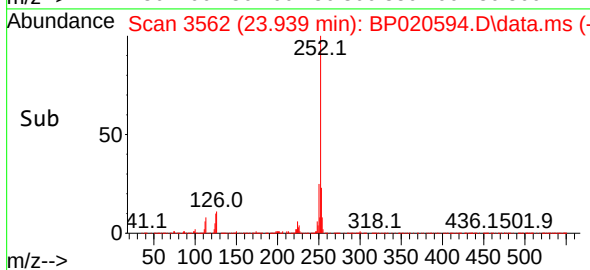
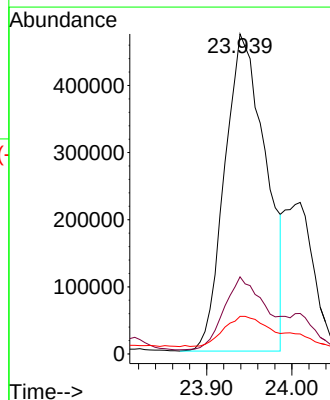
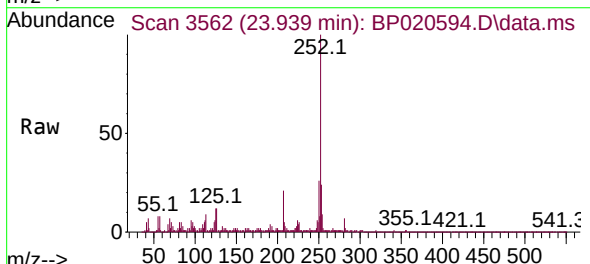
Manual Integrations
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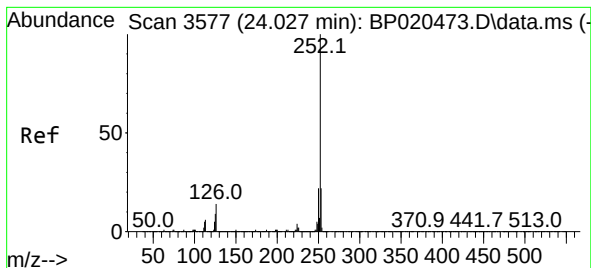
Reviewed By : Jagrut Upadhyay 06/12/2024
Supervised By : mohammad ahmed 06/15/2024



#88
Benzo(b)fluoranthene
Concen: 14.050 ng
RT: 23.939 min Scan# 3562
Delta R.T. -0.023 min
Lab File: BP020594.D
Acq: 11 Jun 2024 19:21

Tgt Ion: 252 Resp: 1582785
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 11.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 4.747 ng m

RT: 24.010 min Scan# 3577

Delta R.T. -0.018 min

Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-060724

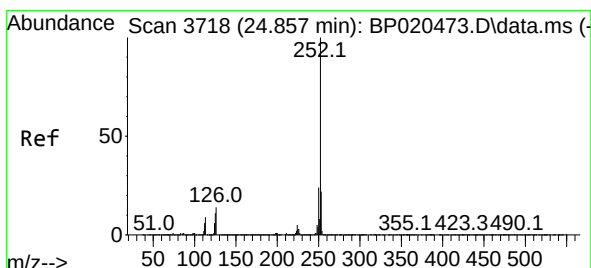
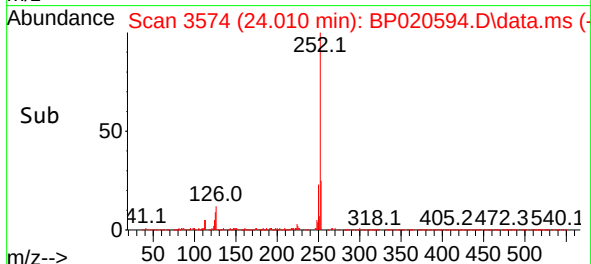
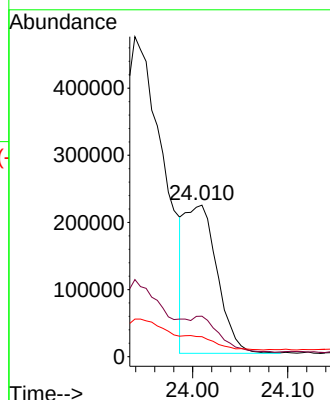
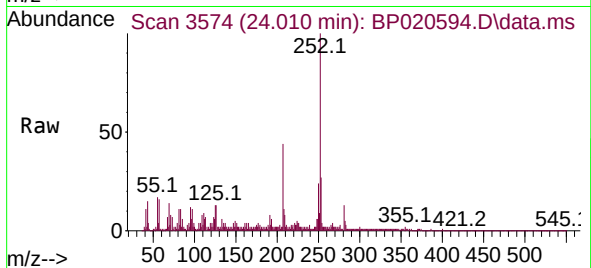
Tgt Ion:252 Resp: 521570

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.7	26.5
125	13.2	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/15/2024



#90

Benzo(a)pyrene

Concen: 14.180 ng

RT: 24.845 min Scan# 3716

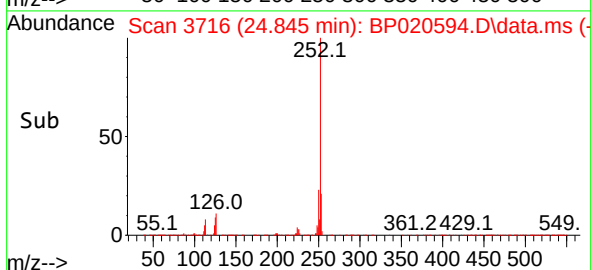
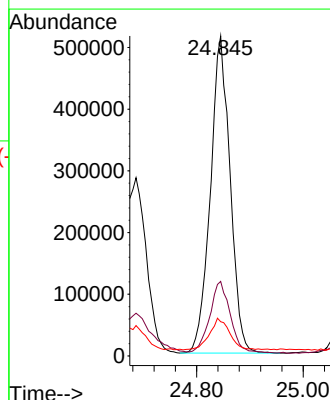
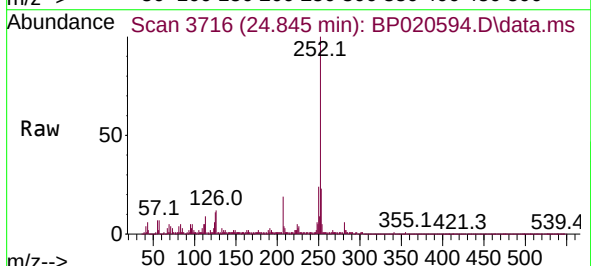
Delta R.T. -0.012 min

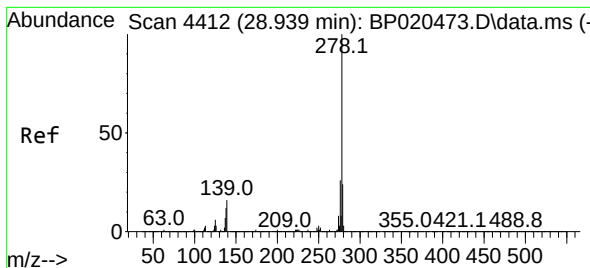
Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

Tgt Ion:252 Resp: 1322963

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	10.7	8.9	13.3





#91

Dibenzo(a,h)anthracene

Concen: 2.458 ng

RT: 28.880 min Scan# 4412

Delta R.T. -0.059 min

Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-060724

Tgt Ion:278 Resp: 225470

Ion Ratio Lower Upper

278 100

139 19.3 13.0 19.4

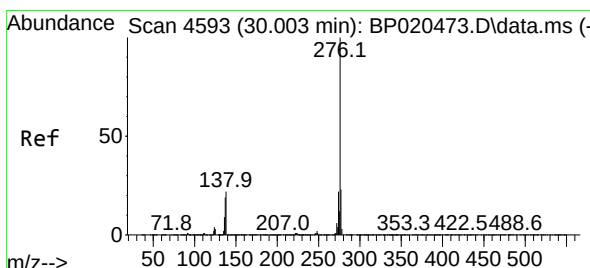
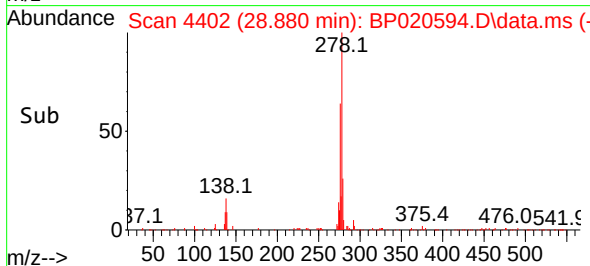
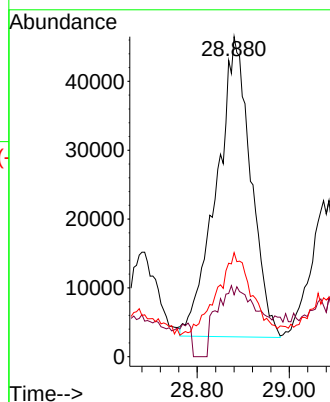
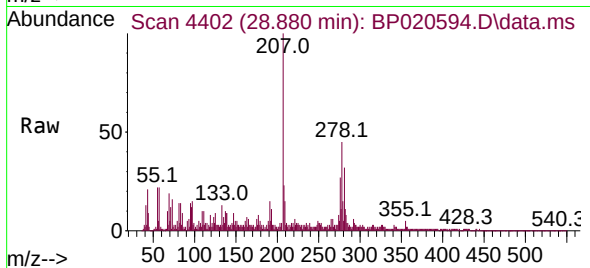
279 32.5 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/12/2024

Supervised By :mohammad ahmed 06/15/2024



#92

Benzo(g,h,i)perylene

Concen: 7.967 ng

RT: 29.998 min Scan# 4592

Delta R.T. -0.006 min

Lab File: BP020594.D

Acq: 11 Jun 2024 19:21

Tgt Ion:276 Resp: 730378

Ion Ratio Lower Upper

276 100

277 25.4 18.7 28.1

138 21.1 17.7 26.5

