

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060624\
 Data File : BP020546.D
 Acq On : 06 Jun 2024 18:16
 Operator : MA/JU
 Sample : P2705-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 330

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

Quant Time: Jun 06 18:56:04 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	238164	20.000	ng	-0.01
21) Naphthalene-d8	10.534	136	870848	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	547407	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1192833	20.000	ng	0.00
76) Chrysene-d12	21.651	240	1067467	20.000	ng	-0.02
86) Perylene-d12	25.010	264	1290327	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	161286	12.125	ng	-0.01
7) Phenol-d6	6.928	99	191459	10.206	ng	0.00
23) Nitrobenzene-d5	8.899	82	121355	7.628	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	92152	16.221	ng	-0.02
45) 2-Fluorobiphenyl	12.993	172	319299	8.695	ng	-0.01
79) Terphenyl-d14	19.927	244	530492	8.273	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.104	152	155185	3.405	ng	97
52) Acenaphthene	14.445	154	61224	2.130	ng	97
58) Fluorene	15.445	166	119791	3.277	ng	99
71) Phenanthrene	17.239	178	2098140	35.782	ng	99
72) Anthracene	17.328	178	482957	8.394	ng	100
73) Carbazole	17.610	167	224468	4.033	ng	98
75) Fluoranthene	19.333	202	4080114	58.817	ng	99
78) Pyrene	19.710	202	3637063	45.297	ng	99
81) Benzo(a)anthracene	21.627	228	2104099	29.936	ng	98
83) Chrysene	21.704	228	2054192	31.016	ng	97
87) Indeno(1,2,3-cd)pyrene	28.821	276	1851524	23.597	ng	# 91
88) Benzo(b)fluoranthene	23.951	252	3798764	47.257	ng	98
89) Benzo(k)fluoranthene	24.010	252	1017033m	12.972	ng	
90) Benzo(a)pyrene	24.857	252	2344411	35.216	ng	98
91) Dibenzo(a,h)anthracene	28.892	278	445819	6.812	ng	# 92
92) Benzo(g,h,i)perylene	30.009	276	1781377	27.232	ng	96

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

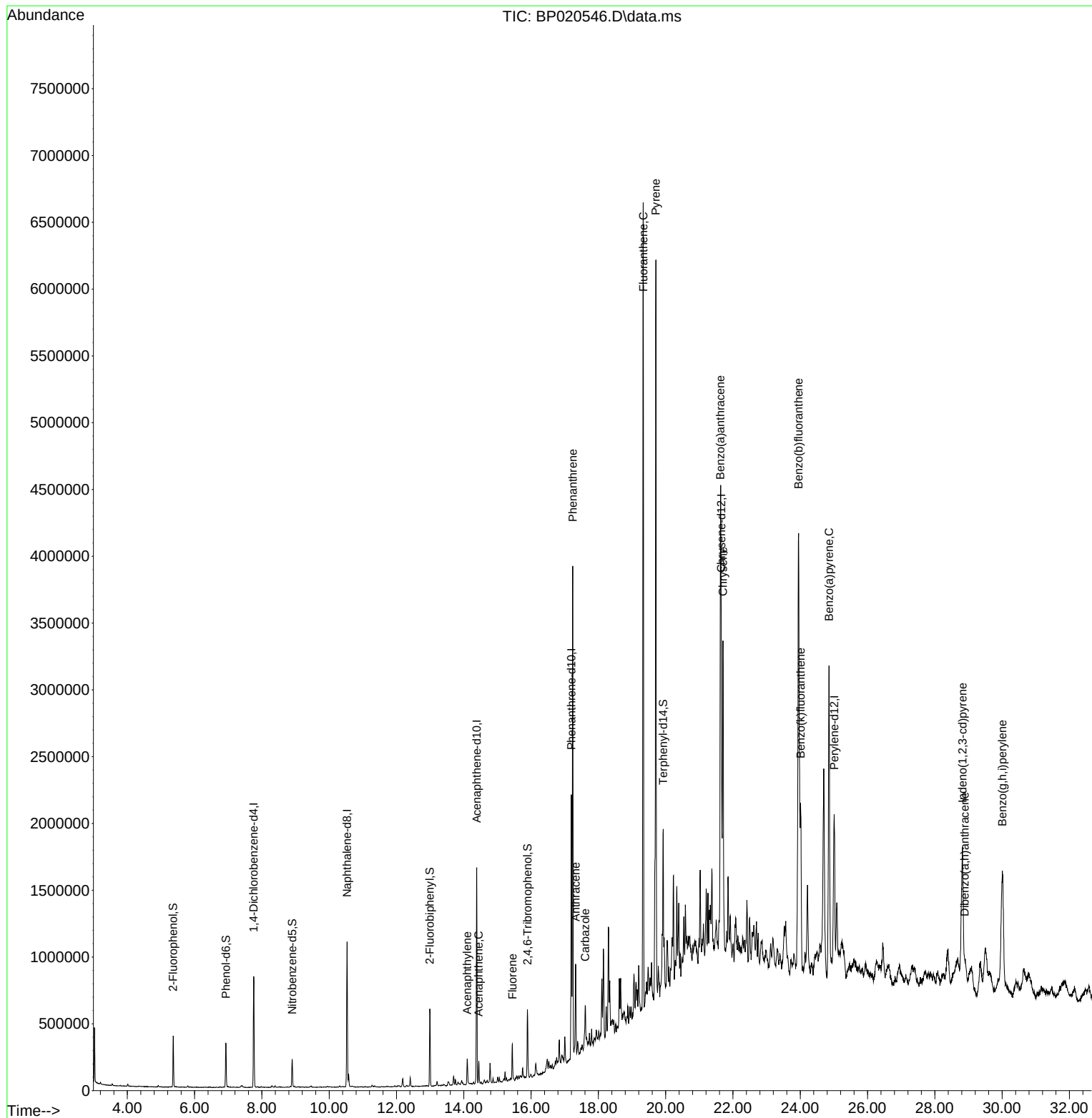
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060624\
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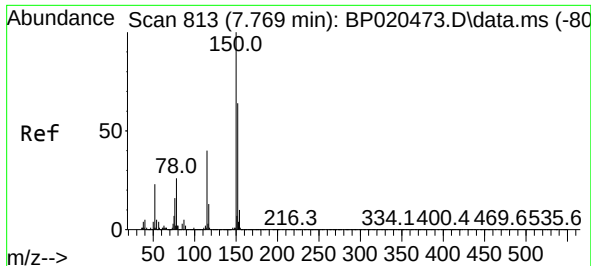
Instrument :
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ClientSampleId :
330

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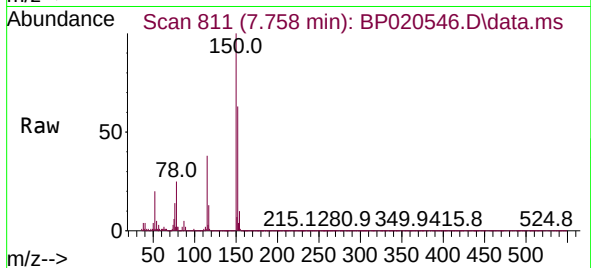
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 813
Delta R.T. -0.011 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

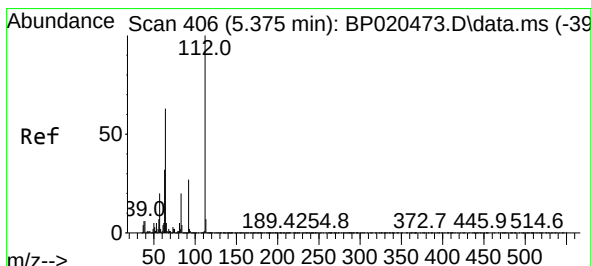
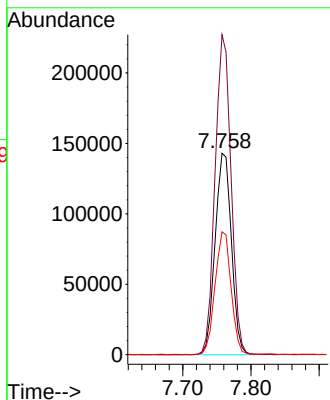
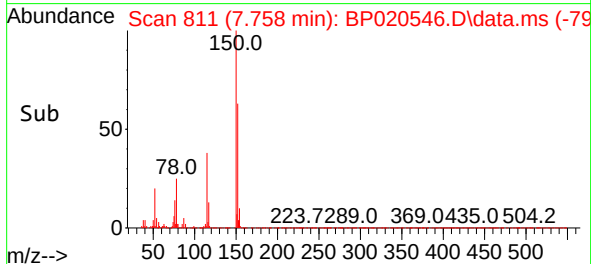
Instrument :
BNA_P
ClientSampleId :
330



Tgt Ion:152 Resp: 238164
Ion Ratio Lower Upper
152 100
150 158.9 124.2 186.2
115 61.1 49.5 74.3

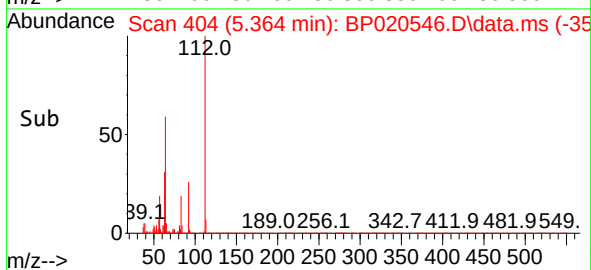
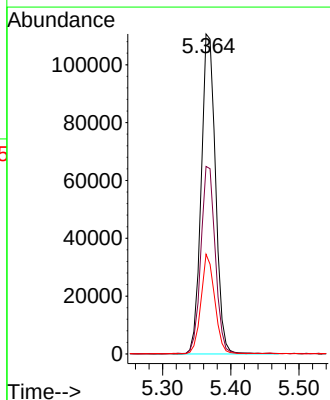
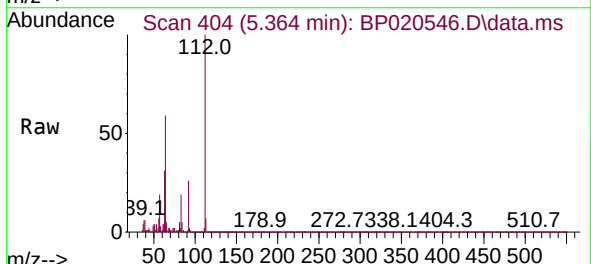
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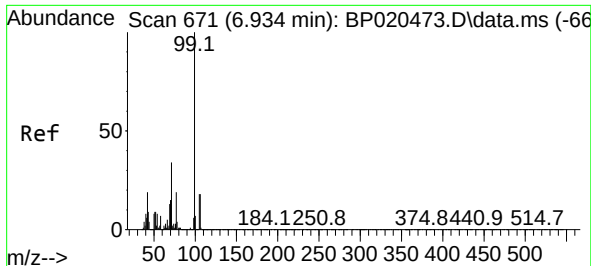
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#5
2-Fluorophenol
Concen: 12.125 ng
RT: 5.364 min Scan# 404
Delta R.T. -0.012 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion:112 Resp: 161286
Ion Ratio Lower Upper
112 100
64 58.6 50.1 75.1
63 31.2 25.7 38.5





#7

Phenol-d6

Concen: 10.206 ng

RT: 6.928 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

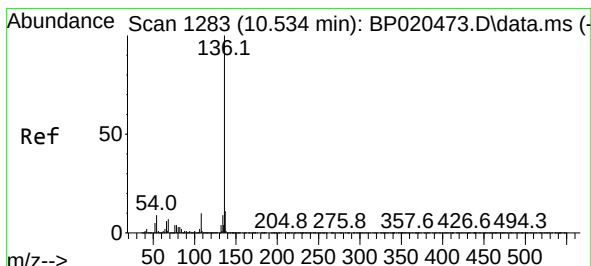
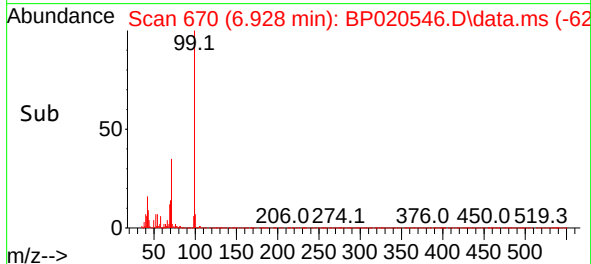
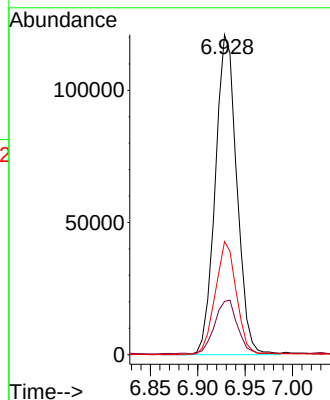
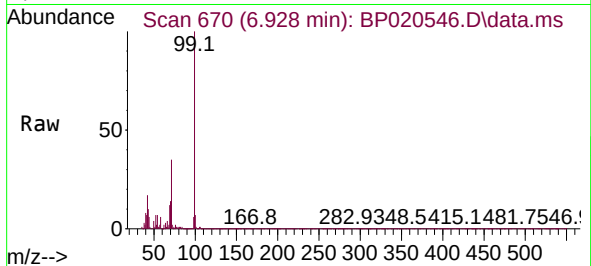
330

Tgt Ion: 99	Resp: 19145
Ion Ratio	Lower Upper
99 100	
42 16.7	15.0 22.4
71 35.4	27.3 40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

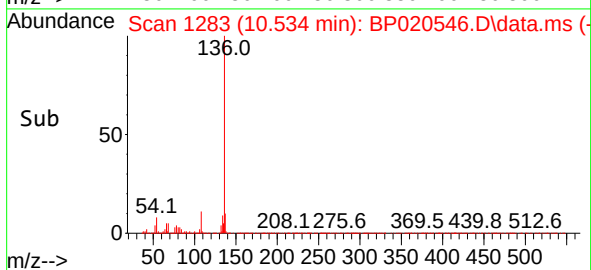
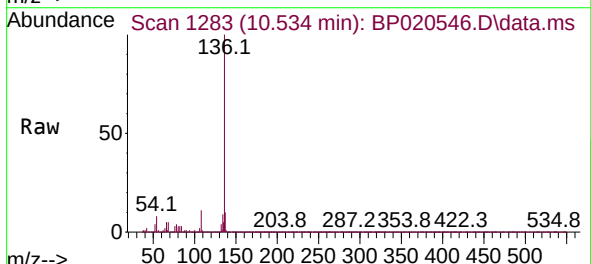
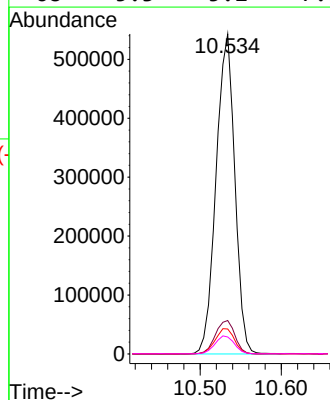
RT: 10.534 min Scan# 1283

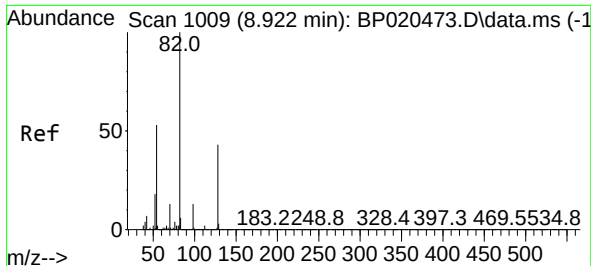
Delta R.T. 0.000 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

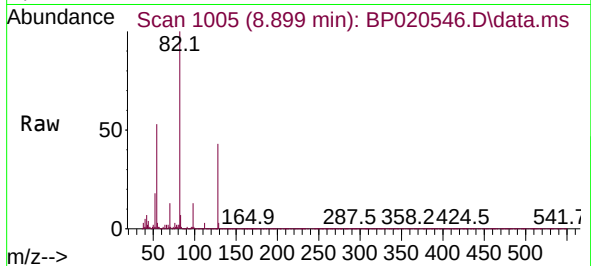
Tgt Ion:136	Resp: 870848
Ion Ratio	Lower Upper
136 100	
137 10.5	9.0 13.4
54 7.8	7.4 11.0
68 5.3	5.2 7.8





#23
Nitrobenzene-d5
Concen: 7.628 ng
RT: 8.899 min Scan# 1005
Delta R.T. -0.024 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

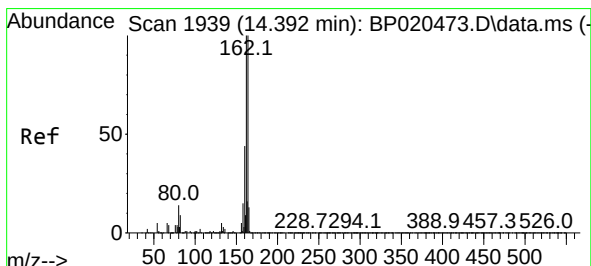
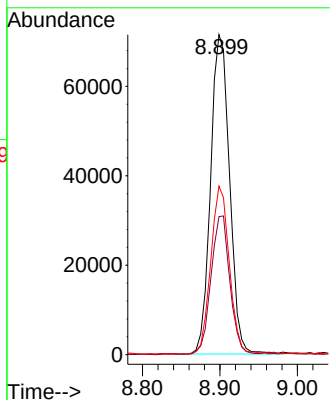
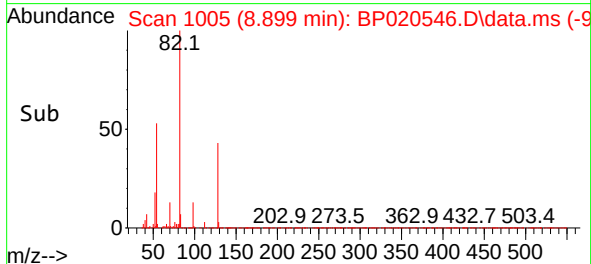
Instrument :
BNA_P
ClientSampleId :
330



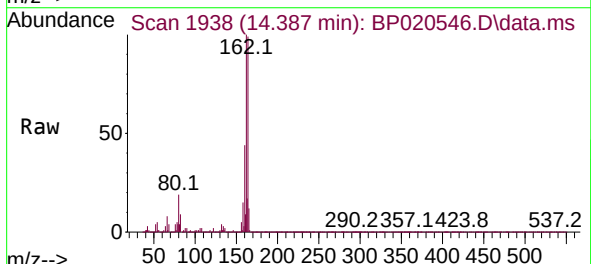
Tgt Ion: 82 Resp: 121358
Ion Ratio Lower Upper
82 100
128 43.2 34.2 51.4
54 52.6 42.7 64.1

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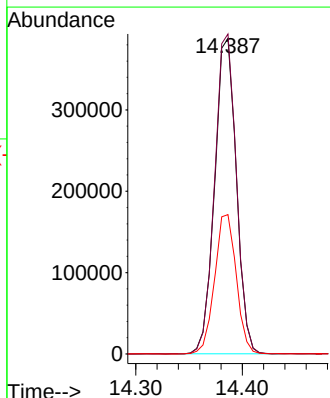
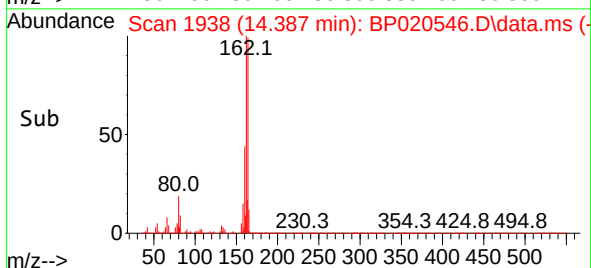
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

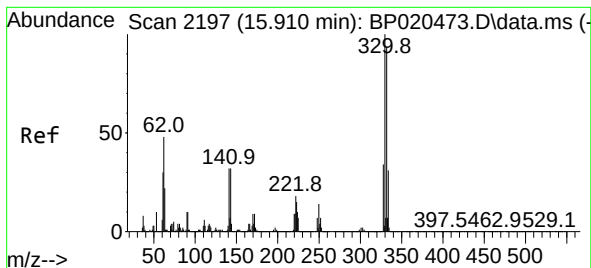


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16



Tgt Ion:164 Resp: 547407
Ion Ratio Lower Upper
164 100
162 101.5 80.3 120.5
160 44.2 35.4 53.2





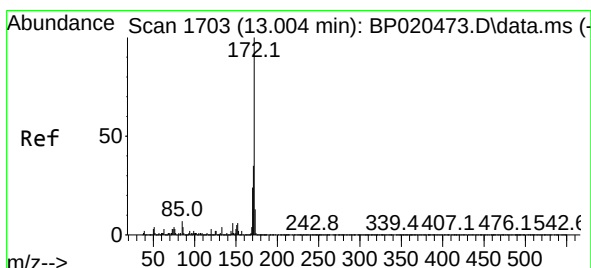
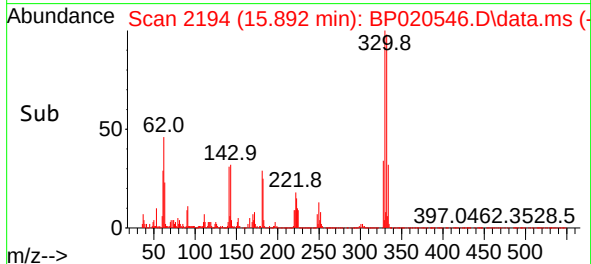
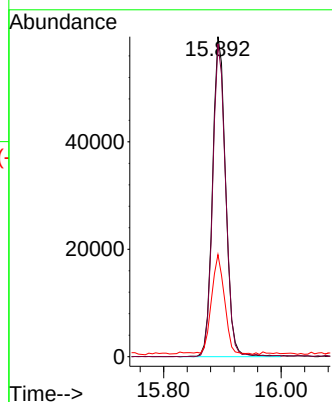
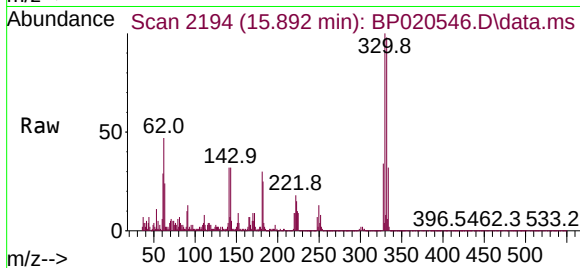
#42
2,4,6-Tribromophenol
Concen: 16.221 ng
RT: 15.892 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Instrument :
BNA_P
ClientSampleId :
330

Tgt Ion:330 Resp: 9215
Ion Ratio Lower Upper
330 100
332 96.4 76.6 114.8
141 31.1 27.1 40.7

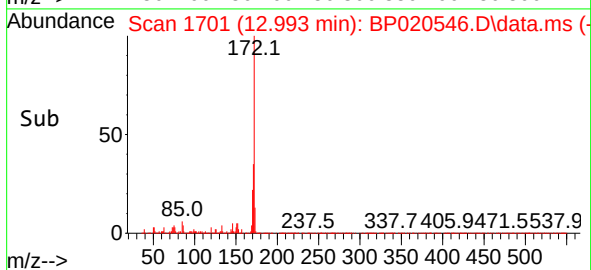
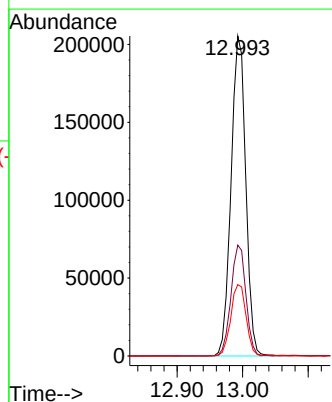
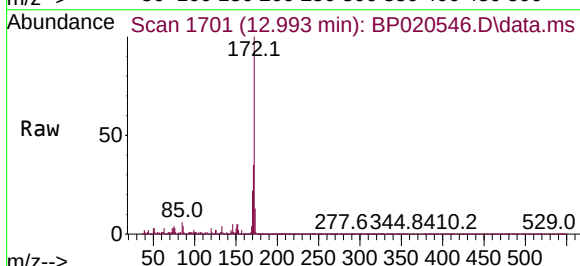
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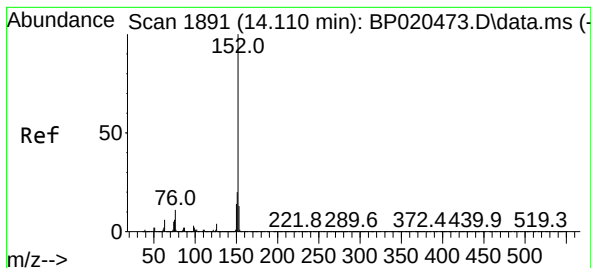
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#45
2-Fluorobiphenyl
Concen: 8.695 ng
RT: 12.993 min Scan# 1701
Delta R.T. -0.012 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion:172 Resp: 319299
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 22.3 18.9 28.3





#49

Acenaphthylene

Concen: 3.405 ng

RT: 14.104 min Scan# 1891

Delta R.T. -0.006 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

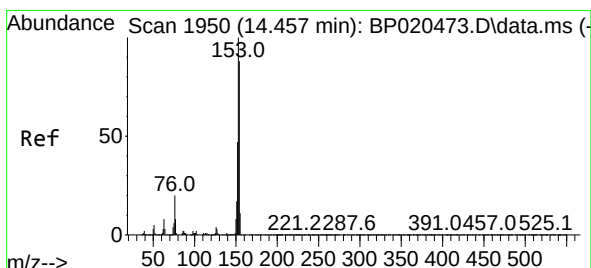
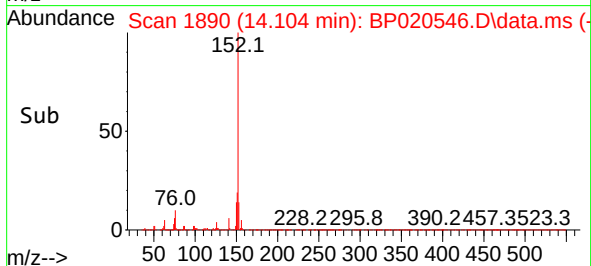
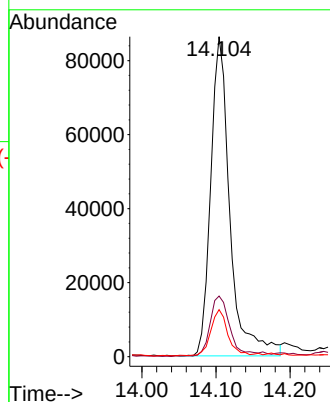
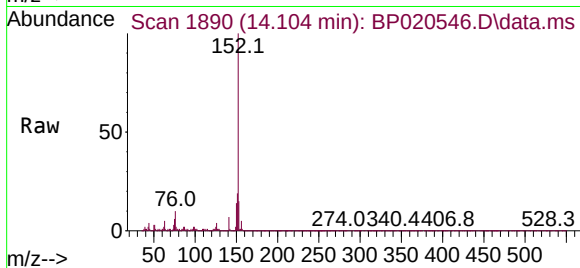
Tgt Ion:152 Resp: 15518

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.9	23.9
153	14.7	10.6	15.8

Manual Integrations

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#52

Acenaphthene

Concen: 2.130 ng

RT: 14.445 min Scan# 1948

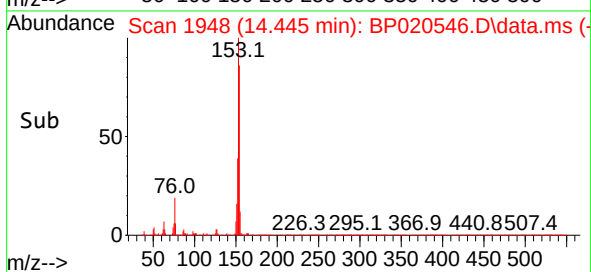
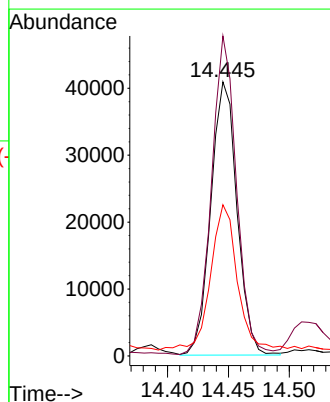
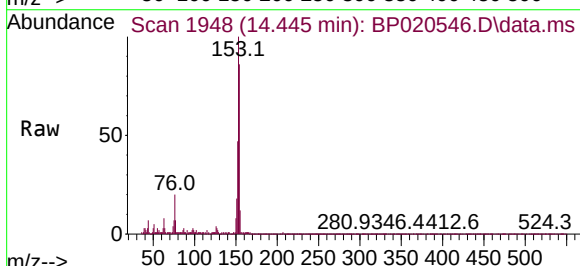
Delta R.T. -0.012 min

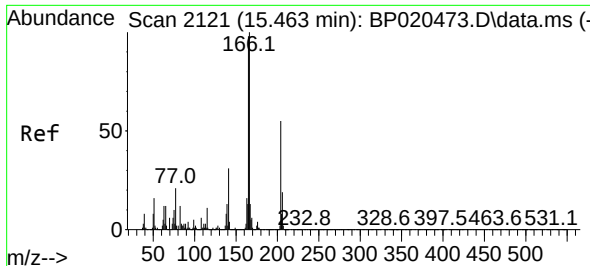
Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Tgt Ion:154 Resp: 61224

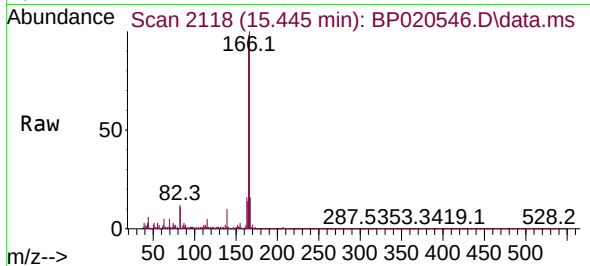
Ion	Ratio	Lower	Upper
154	100		
153	116.7	90.6	136.0
152	55.1	42.6	63.8





#58
Fluorene
Concen: 3.277 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

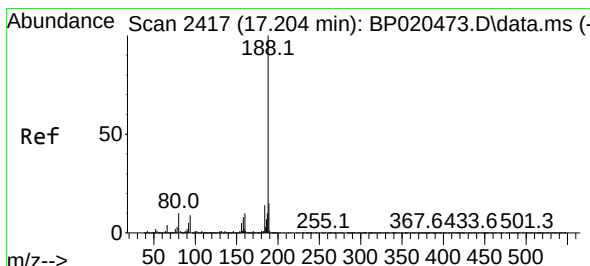
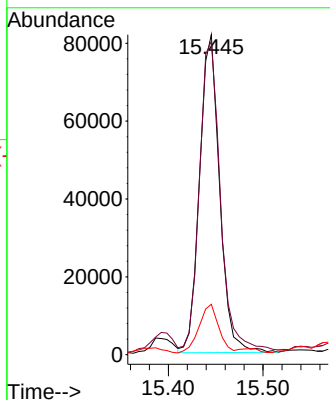
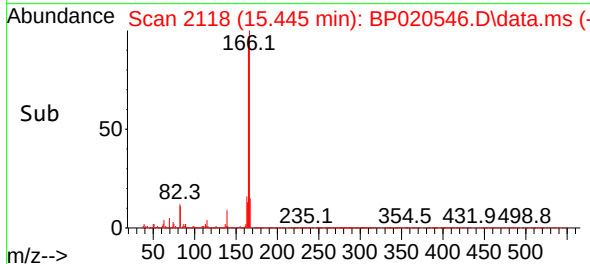
Instrument :
BNA_P
ClientSampleId :
330



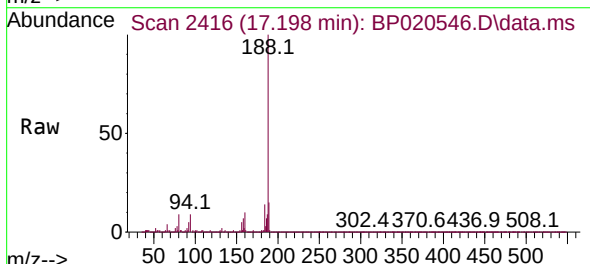
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Ion Ratio Lower Upper
166 100
165 98.0 78.2 117.4
167 15.7 10.7 16.1

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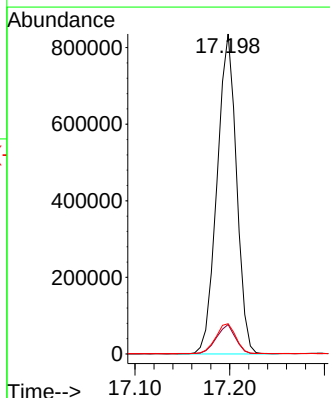
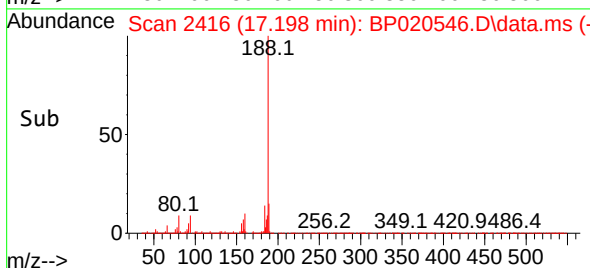
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

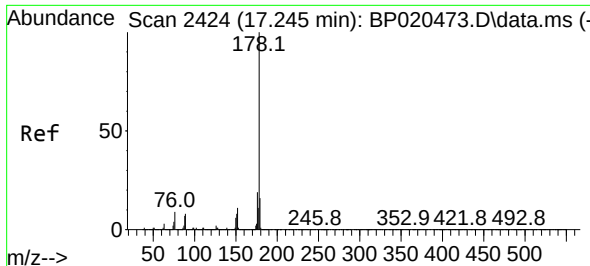


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16



Tgt Ion:188 Resp: 1192833
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 9.5 8.1 12.1





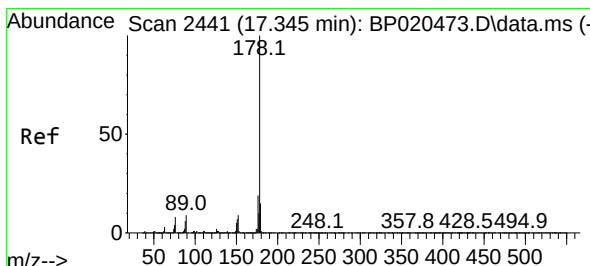
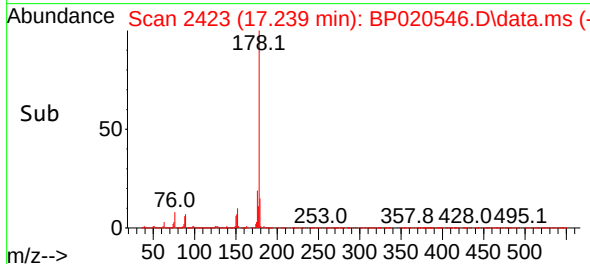
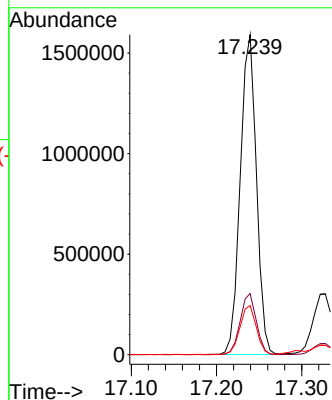
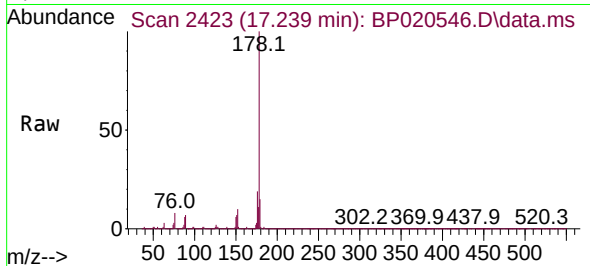
#71
Phenanthrene
Concen: 35.782 ng
RT: 17.239 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Instrument :
BNA_P
ClientSampleId :
330

Tgt Ion:178 Resp: 2098140
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.4 12.5 18.7

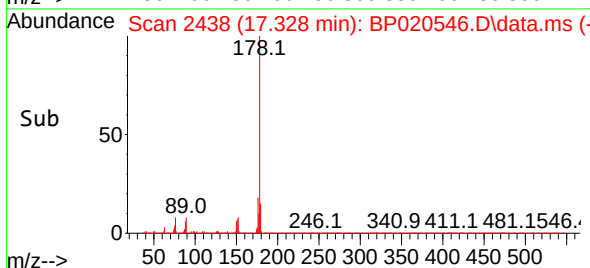
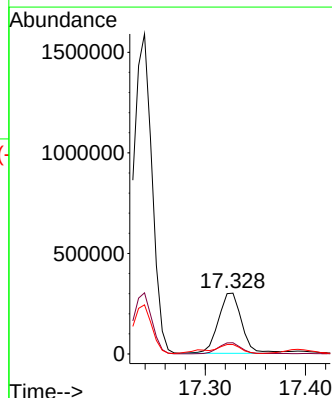
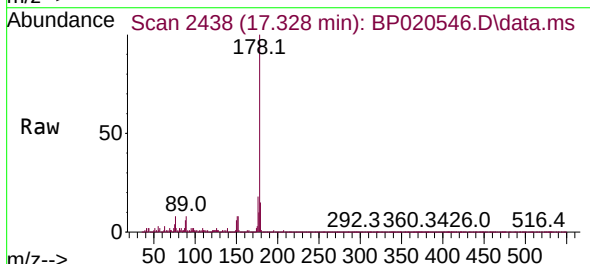
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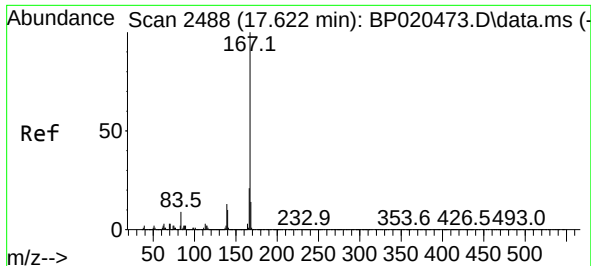
Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#72
Anthracene
Concen: 8.394 ng
RT: 17.328 min Scan# 2438
Delta R.T. -0.018 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

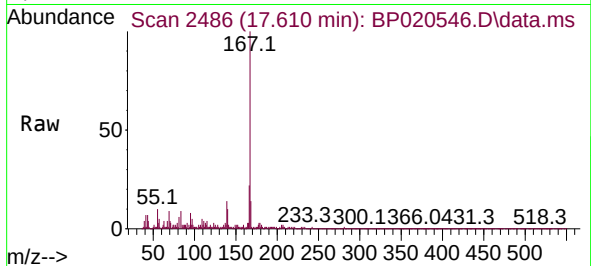
Tgt Ion:178 Resp: 482957
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 15.5 12.2 18.4





#73
 Carbazole
 Concen: 4.033 ng
 RT: 17.610 min Scan# 2488
 Delta R.T. -0.012 min
 Lab File: BP020546.D
 Acq: 06 Jun 2024 18:16

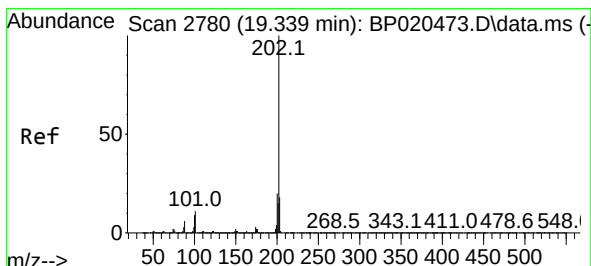
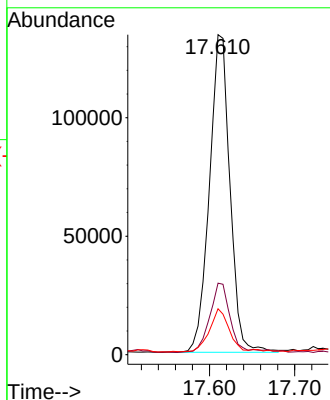
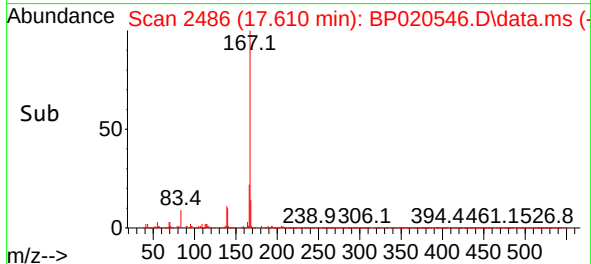
Instrument :
 BNA_P
 ClientSampleId :
 330



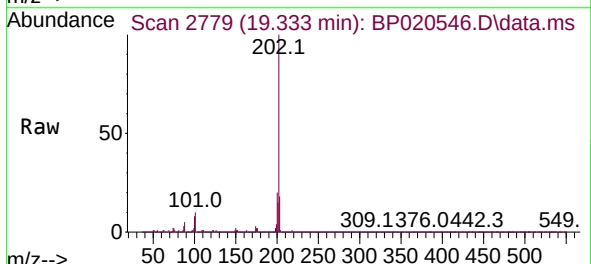
Tgt Ion:167 Resp: 224468
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.1 25.7
 139 14.3 10.5 15.7

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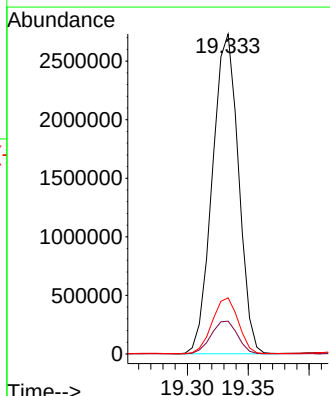
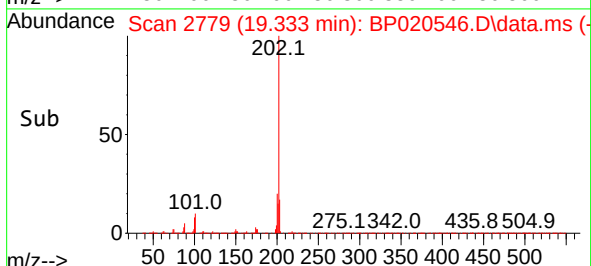
Reviewed By :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

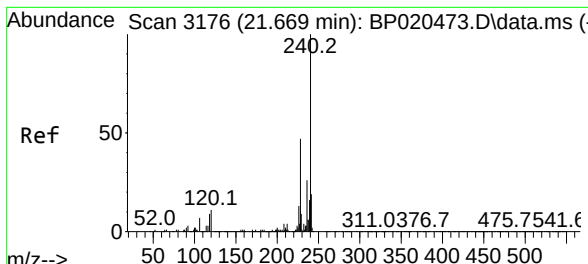


#75
 Fluoranthene
 Concen: 58.817 ng
 RT: 19.333 min Scan# 2779
 Delta R.T. -0.006 min
 Lab File: BP020546.D
 Acq: 06 Jun 2024 18:16



Tgt Ion:202 Resp: 4080114
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.4
 203 17.6 0.0 37.7





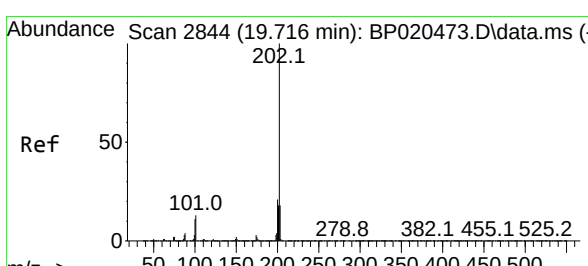
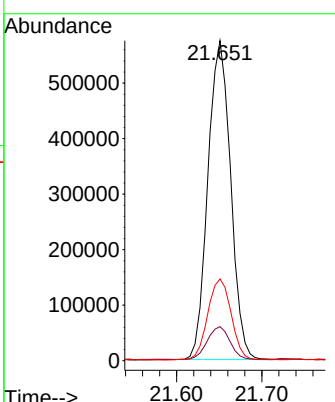
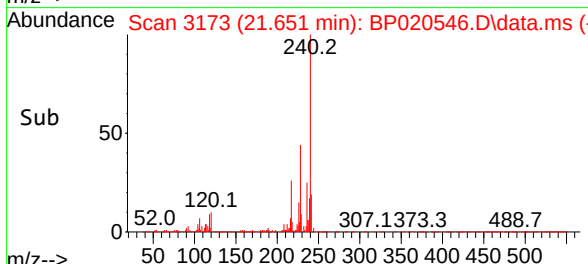
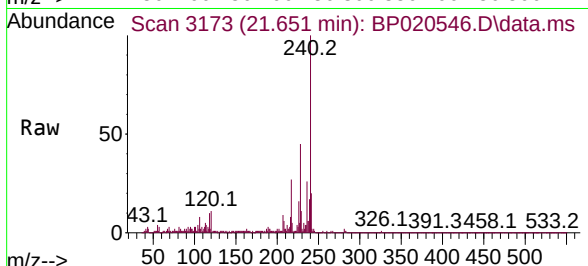
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3173
Delta R.T. -0.018 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Instrument : BNA_P
ClientSampleId : 330

Tgt Ion: 240 Resp: 106746

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.5	12.7
236	25.6	20.5	30.7

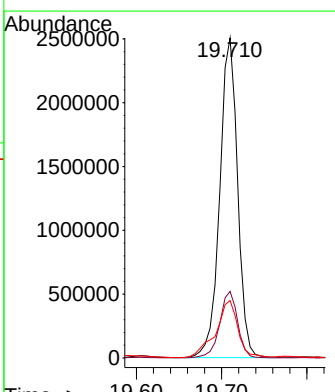
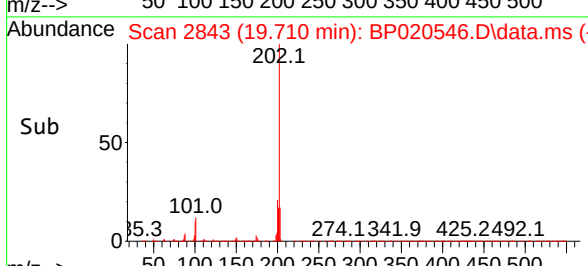
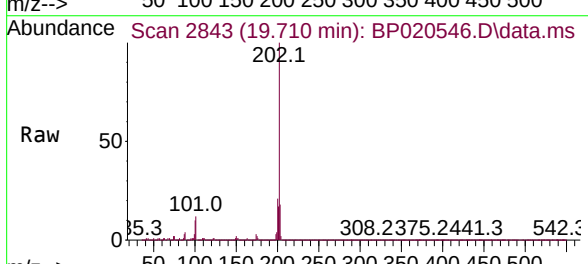
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Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024

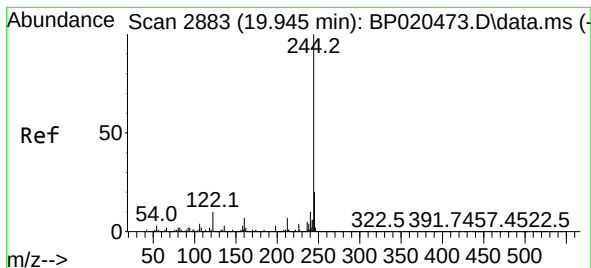


#78
Pyrene
Concen: 45.297 ng
RT: 19.710 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

Tgt Ion: 202 Resp: 3637063

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3
203	17.9	14.1	21.1





#79

Terphenyl-d14

Concen: 8.273 ng

RT: 19.927 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

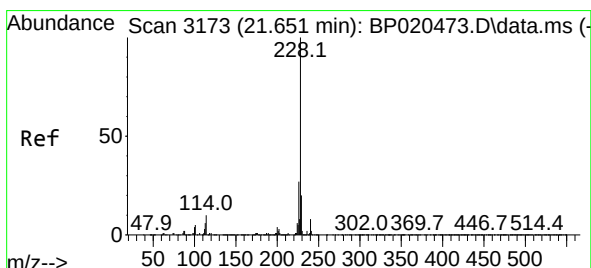
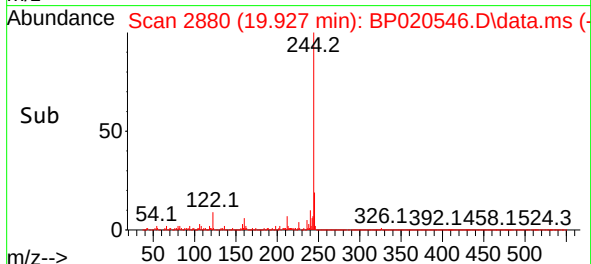
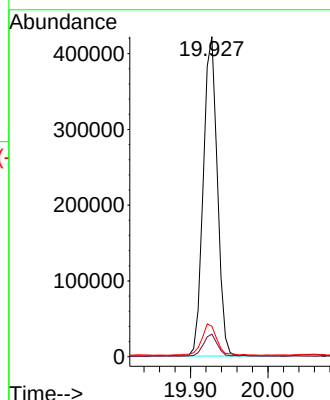
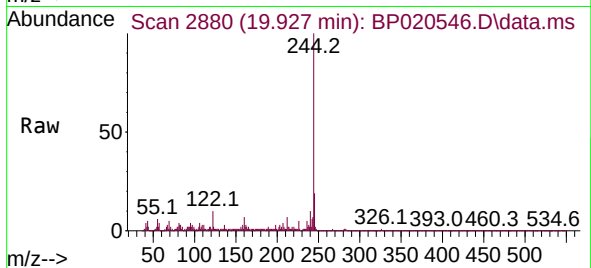
Tgt Ion:244 Resp: 530492

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	9.5	8.2	12.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#81

Benzo(a)anthracene

Concen: 29.936 ng

RT: 21.627 min Scan# 3169

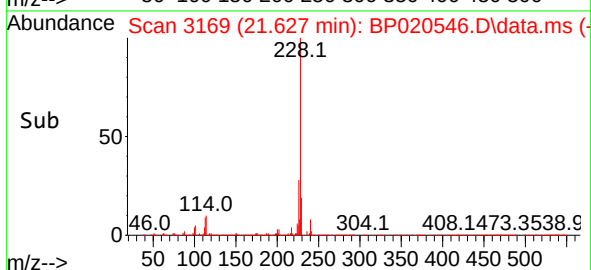
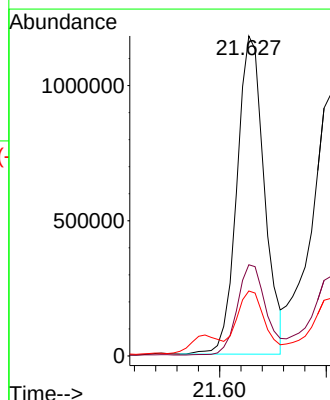
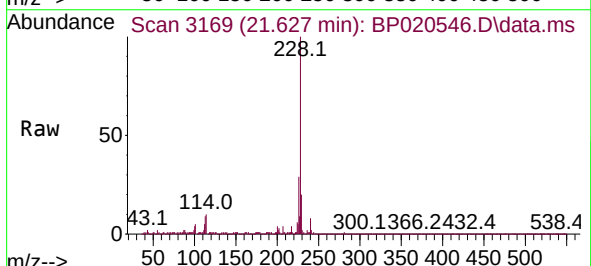
Delta R.T. -0.024 min

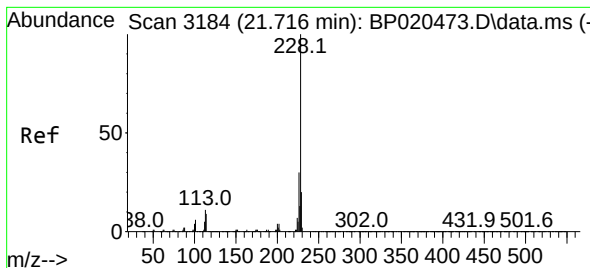
Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Tgt Ion:228 Resp: 2104099

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.7	32.5
229	20.3	15.8	23.6





#83

Chrysene

Concen: 31.016 ng

RT: 21.704 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

Tgt Ion:228 Resp: 205419

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

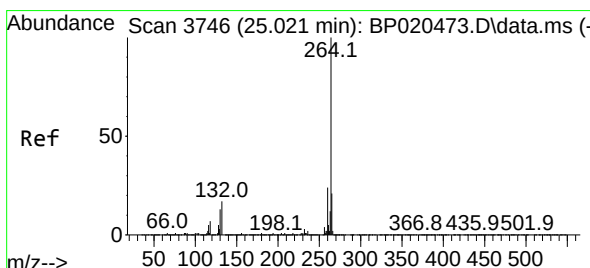
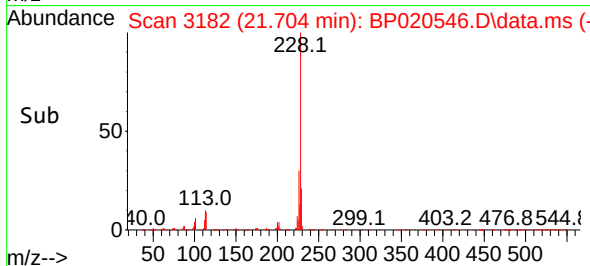
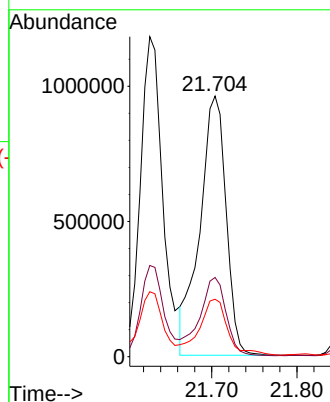
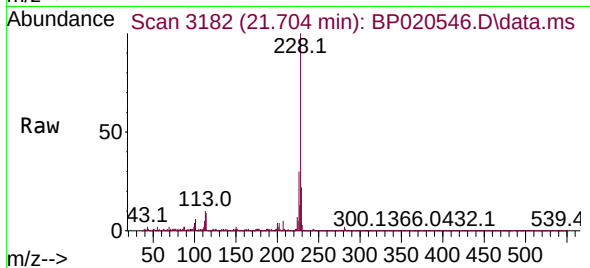
229 22.1 15.7 23.5

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Reviewed By :Jagrut Upadhyay 06/07/2024

Supervised By :mohammad ahmed 06/08/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.010 min Scan# 3744

Delta R.T. -0.012 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

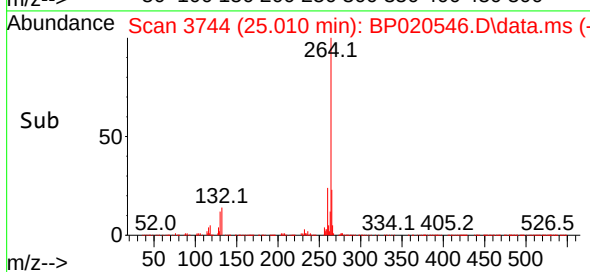
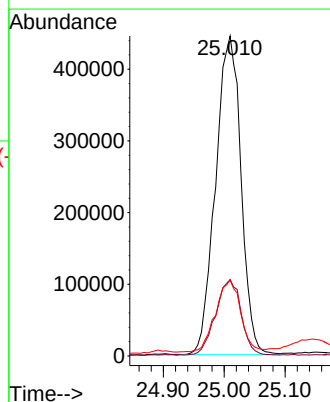
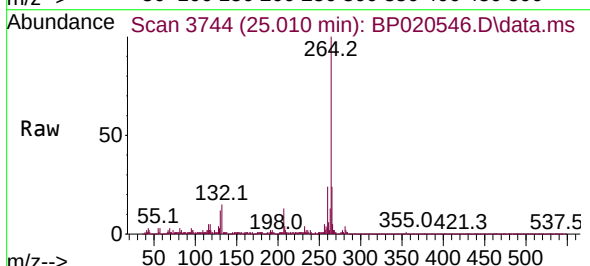
Tgt Ion:264 Resp: 1290327

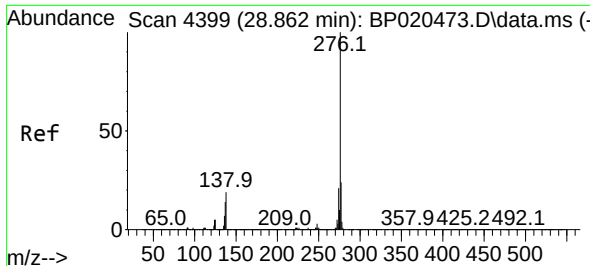
Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

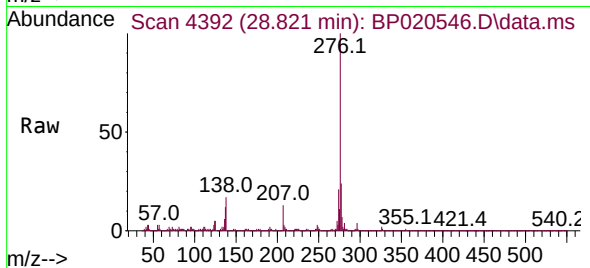
265 23.7 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 23.597 ng
RT: 28.821 min Scan# 4399
Delta R.T. -0.041 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16

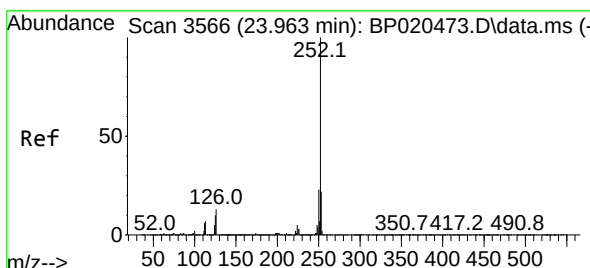
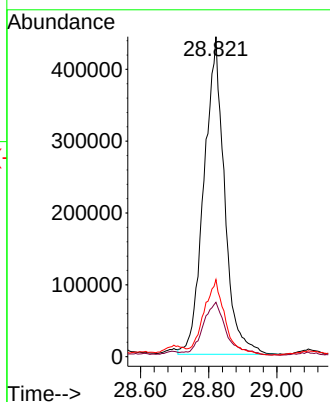
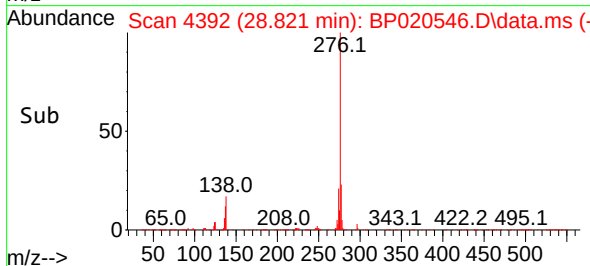
Instrument :
BNA_P
ClientSampleId :
330



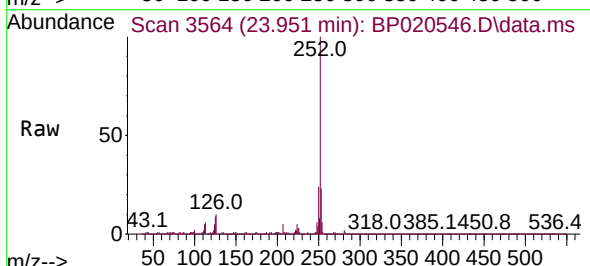
Tgt Ion: 276 Resp: 1851524
Ion Ratio Lower Upper
276 100
138 18.5 12.8 19.2
277 24.5 15.6 23.4

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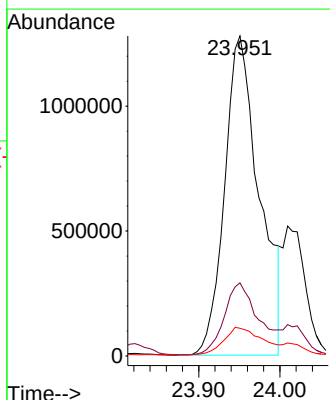
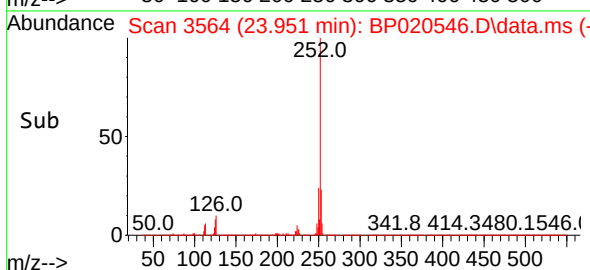
Reviewed By : Jagrut Upadhyay 06/07/2024
Supervised By : mohammad ahmed 06/08/2024

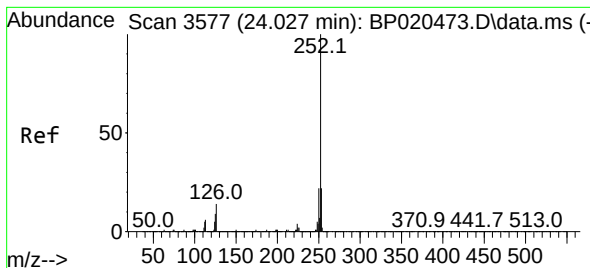


#88
Benzo(b)fluoranthene
Concen: 47.257 ng
RT: 23.951 min Scan# 3564
Delta R.T. -0.012 min
Lab File: BP020546.D
Acq: 06 Jun 2024 18:16



Tgt Ion: 252 Resp: 3798764
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 8.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 12.972 ng m

RT: 24.010 min Scan# 3577

Delta R.T. -0.018 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

Tgt Ion:252 Resp: 101703

Ion Ratio Lower Upper

252 100

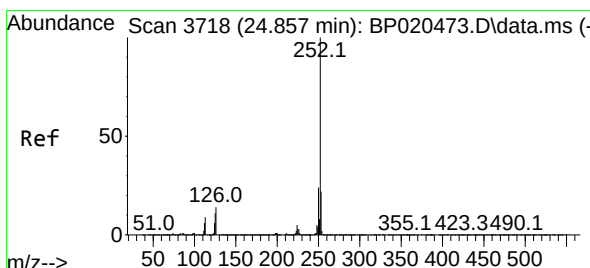
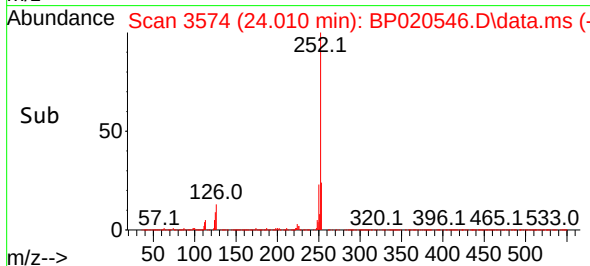
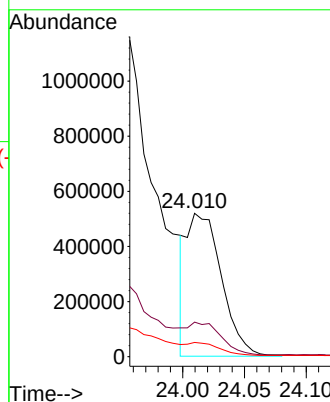
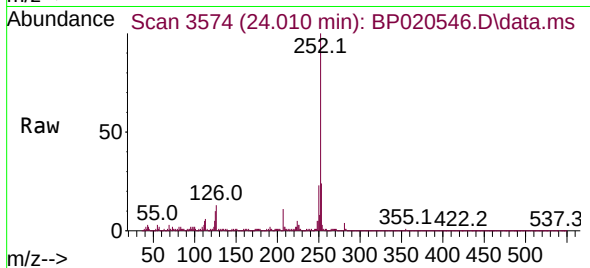
253 24.1 17.7 26.5

125 10.0 7.8 11.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#90

Benzo(a)pyrene

Concen: 35.216 ng

RT: 24.857 min Scan# 3718

Delta R.T. 0.000 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

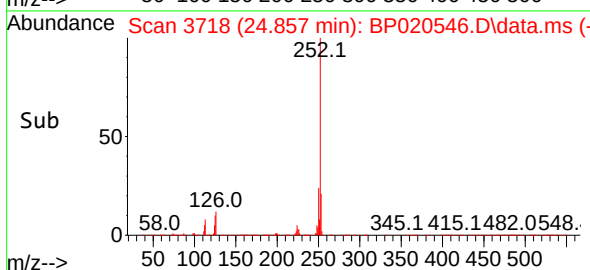
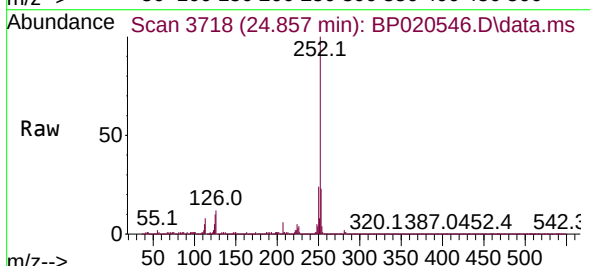
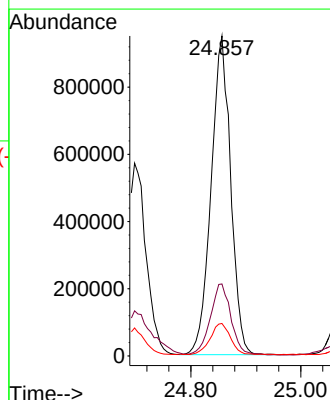
Tgt Ion:252 Resp: 2344411

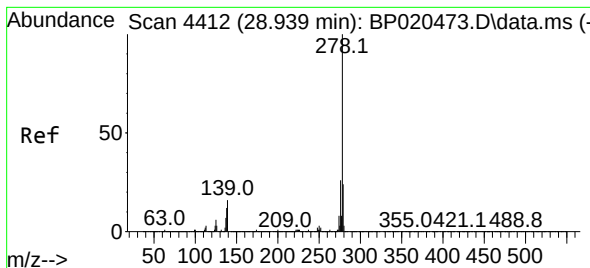
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 10.1 8.9 13.3





#91

Dibenzo(a,h)anthracene

Concen: 6.812 ng

RT: 28.892 min Scan# 4412

Delta R.T. -0.047 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Instrument :

BNA_P

ClientSampleId :

330

Tgt Ion:278 Resp: 445819

Ion Ratio Lower Upper

278 100

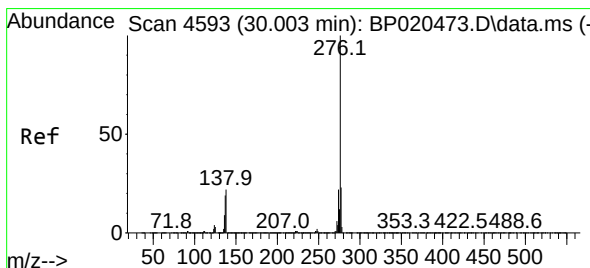
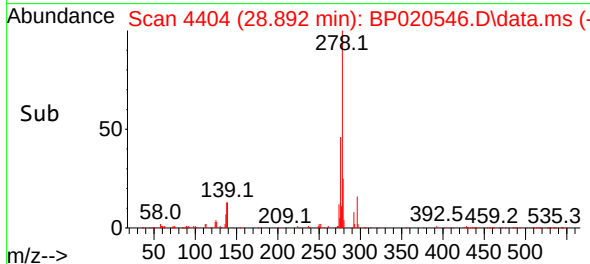
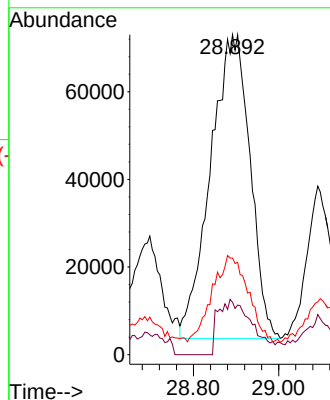
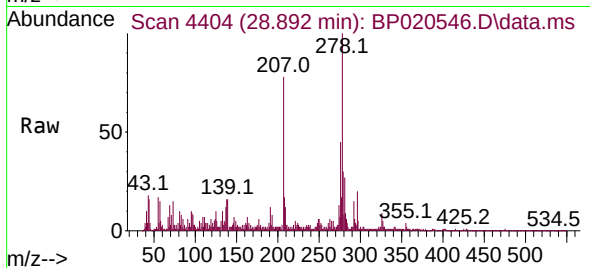
139 16.4 13.0 19.4

279 30.2 19.2 28.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/07/2024
Supervised By :mohammad ahmed 06/08/2024



#92

Benzo(g,h,i)perylene

Concen: 27.232 ng

RT: 30.009 min Scan# 4594

Delta R.T. 0.006 min

Lab File: BP020546.D

Acq: 06 Jun 2024 18:16

Tgt Ion:276 Resp: 1781377

Ion Ratio Lower Upper

276 100

277 24.0 18.7 28.1

138 19.2 17.7 26.5

