

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121824\
 Data File : BP023553.D
 Acq On : 20 Dec 2024 12:28
 Operator : RC/JU
 Sample : P5265-18DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E2903DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

12/21/2024
 Supervised By :mohammad
 ahmed

Quant Time: Dec 21 00:32:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 00:30:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	203103	20.000	ng/u1	-0.08
20) Naphthalene-d8	10.222	136	786058	20.000	ng/u1	#-0.06
38) Acenaphthene-d10	14.127	164	587655	20.000	ng/u1	-0.02
64) Phenanthrene-d10	16.951	188	1259593	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.392	240	1289226	20.000	ng/u1	# 0.00
88) Perylene-d12	24.580	264	1448997	20.000	ng/u1	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.069	96	1735m	0.315	ng/uL	-0.04
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.698	99	30652	1.923	ng/u1	-0.05
9) Bis-(2-Chloroethyl)eth...	6.822	67	24261	2.413	ng/u1	-0.07
11) 2-Chlorophenol-d4	7.022	132	21985	1.869	ng/u1	-0.07
15) 4-Methylphenol-d8	8.210	113	21628m	1.682	ng/u1	-0.05
21) Nitrobenzene-d5	8.622	128	11409	1.944	ng/u1	-0.07
24) 2-Nitrophenol-d4	9.334	143	13073m	1.932	ng/u1	-0.06
28) 2,4-Dichlorophenol-d3	9.910	165	26967m	1.889	ng/u1	-0.02
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.527	166	93413	2.048	ng/u1	-0.03
49) Acenaphthylene-d8	13.816	160	92063	1.913	ng/u1	-0.02
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.139	176	75051	1.870	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.333	200	4882m	0.641	ng/u1	0.02
73) Anthracene-d10	17.057	188	111491	1.939	ng/u1	0.00
81) Pyrene-d10	19.445	212	112124	1.665	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.368	264	73434	0.947	ng/u1	0.02

Target Compounds				Qvalue		
16) Acetophenone	8.287	105	70618	3.262	ng/u1	91
30) Naphthalene	10.269	128	1619757	39.361	ng/u1	100
36) 2-Methylnaphthalene	11.892	142	740023	24.251	ng/u1	97
37) 1-Methylnaphthalene	12.110	142	510638	16.421	ng/u1	97
43) 1,1'-Biphenyl	12.922	154	418901	10.061	ng/u1	97
47) Dimethylphthalate	13.569	163	72506	1.613	ng/u1	98
50) Acenaphthylene	13.839	152	87916	1.794	ng/u1#	92
52) Acenaphthene	14.186	153	1813806	50.642	ng/u1	99
56) Dibenzofuran	14.533	168	3903920	71.771	ng/u1	93
61) Fluorene	15.204	166	1948736	44.000	ng/u1	99
63) 4-Nitroaniline	15.292	138	19747m	3.111	ng/u1	
72) Phenanthrene	16.998	178	24211647m	371.806	ng/u1	
74) Anthracene	17.086	178	2040018	31.331	ng/u1	99
77) Carbazole	17.380	167	3303802	62.279	ng/u1	99
80) Fluoranthene	19.098	202	24221106m	313.819	ng/u1	
82) Pyrene	19.480	202	21336266m	260.510	ng/u1	
85) Benzo(a)anthracene	21.374	228	10597783	122.585	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.298	149	91407	2.244	ng/u1	98
87) Chrysene	21.445	228	13952215	168.408	ng/u1	95
90) Benzo(b)fluoranthene	23.609	252	18417067	202.299	ng/u1#	96
91) Benzo(k)fluoranthene	23.656	252	5442870m	60.088	ng/u1	
93) Benzo(a)pyrene	24.450	252	6619152	80.189	ng/u1#	95
94) Indeno(1,2,3-cd)pyrene	28.197	276	6598646	62.206	ng/u1#	96
95) Dibenzo(a,h)anthracene	28.233	278	1984571	23.378	ng/u1#	89

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
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Manual Integrations
APPROVED

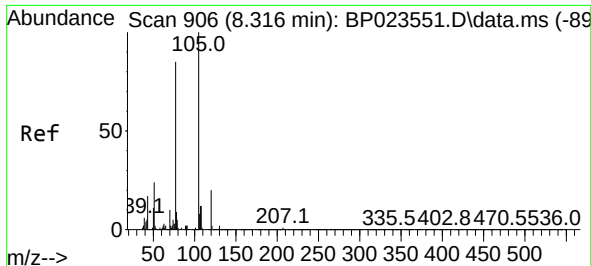
Reviewed By :Yogesh
Patel

12/21/2024
Supervised By :mohammad
ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	29.303	276	925447m	11.395	ng/ul	

12/21/2024

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



#16
Acetophenone
Concen: 3.262 ng/ul
RT: 8.287 min Scan# 906
Delta R.T. -0.071 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Instrument :
BNA_P
ClientSampleId :
E2903DL

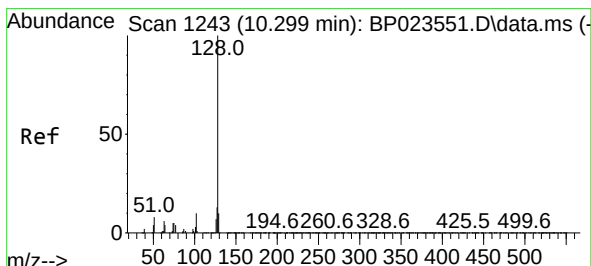
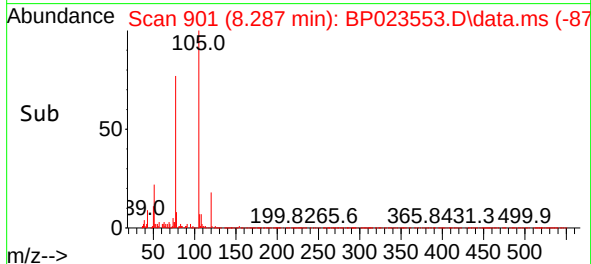
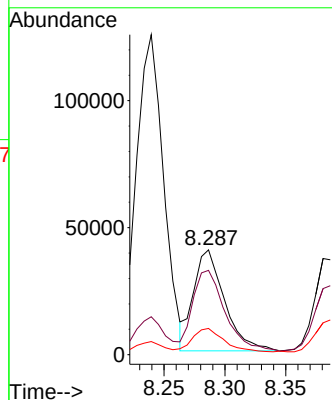
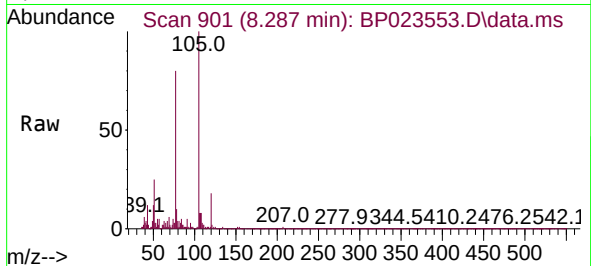
Tgt Ion:105 Resp: 70618
Ion Ratio Lower Upper
105 100
77 80.4 71.2 106.8
51 25.0 22.9 34.3

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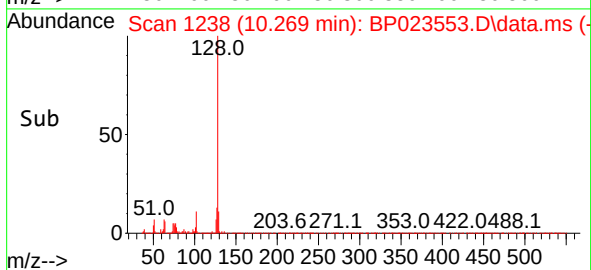
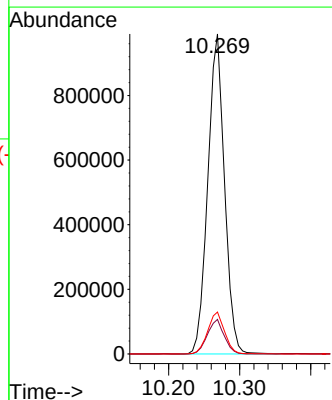
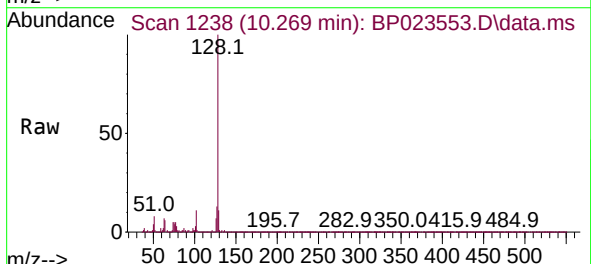
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Supervised By :mohammad
ahmed

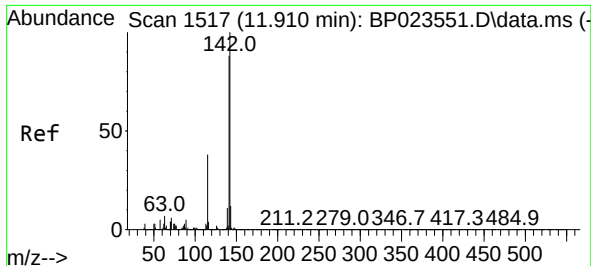
12/21/2024



#30
Naphthalene
Concen: 39.361 ng/ul
RT: 10.269 min Scan# 1238
Delta R.T. -0.059 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Tgt Ion:128 Resp: 1619757
Ion Ratio Lower Upper
128 100
129 10.8 8.5 12.7
127 13.1 10.5 15.7





#36
2-Methylnaphthalene
Concen: 24.251 ng/ul
RT: 11.892 min Scan# 1514
Delta R.T. -0.053 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Instrument :
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E2903DL

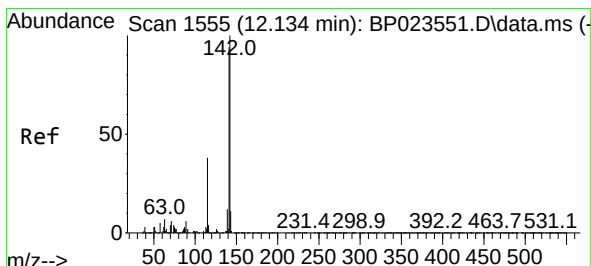
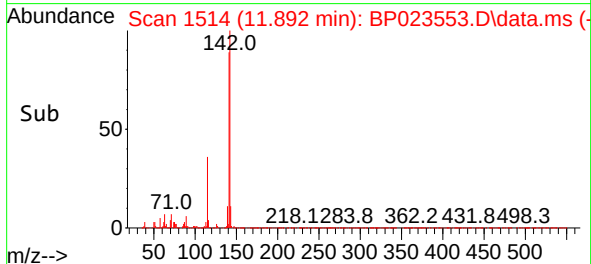
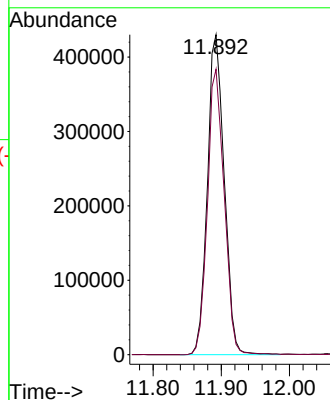
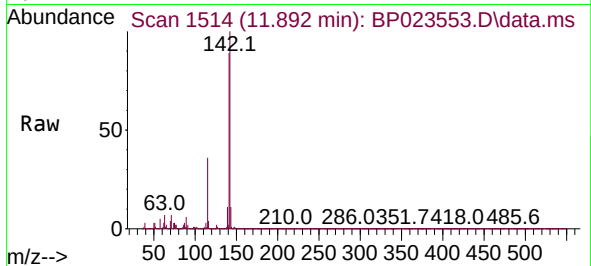
Tgt Ion:142 Resp: 740023
Ion Ratio Lower Upper
142 100
141 89.2 69.0 103.6

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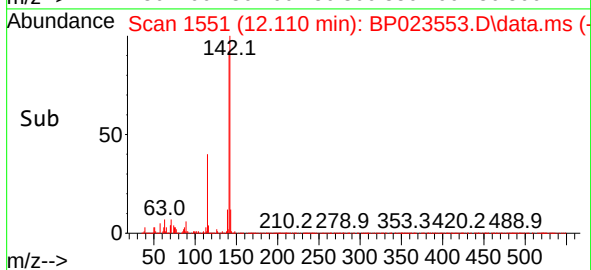
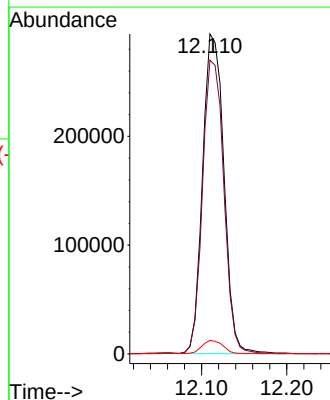
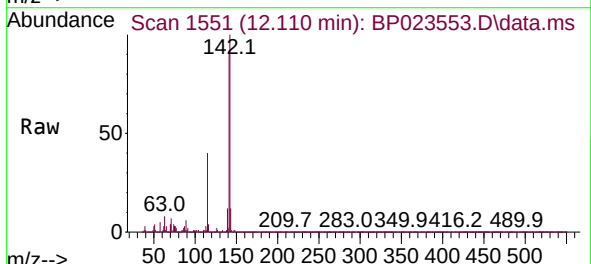
12/21/2024
Supervised By :mohammad
ahmed

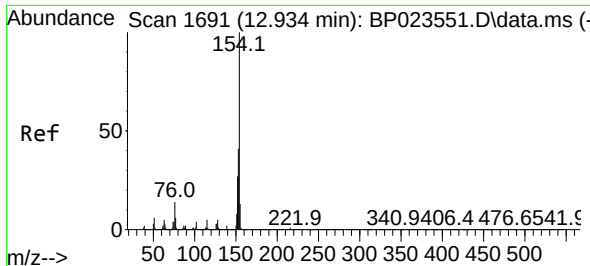
12/21/2024



#37
1-Methylnaphthalene
Concen: 16.421 ng/ul
RT: 12.110 min Scan# 1551
Delta R.T. -0.059 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

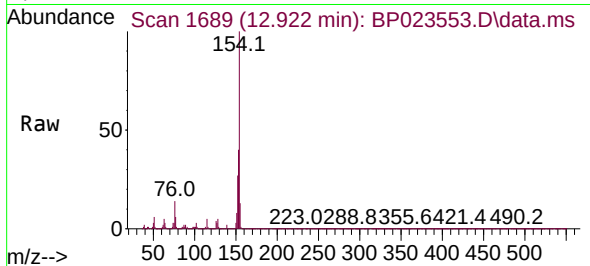
Tgt Ion:142 Resp: 510638
Ion Ratio Lower Upper
142 100
141 91.8 71.1 106.7
116 4.2 4.0 6.0





#43
1,1'-Biphenyl
Concen: 10.061 ng/ul
RT: 12.922 min Scan# 1799
Delta R.T. -0.042 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Instrument :
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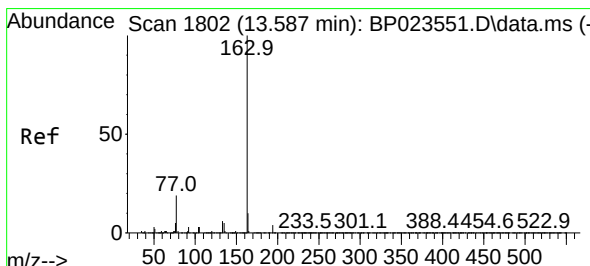
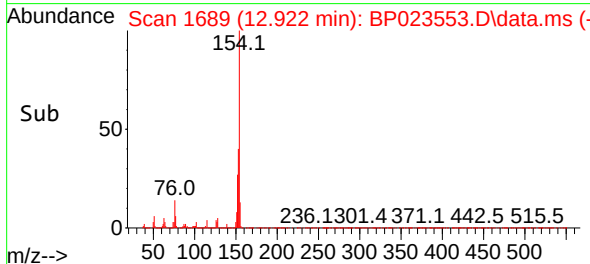
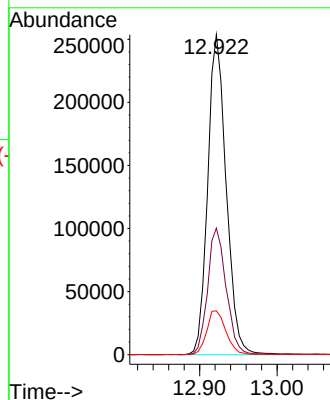
Tgt Ion:154 Resp: 41890
Ion Ratio Lower Upper
154 100
153 39.5 32.8 49.2
76 13.7 10.0 15.0

Manual Integrations
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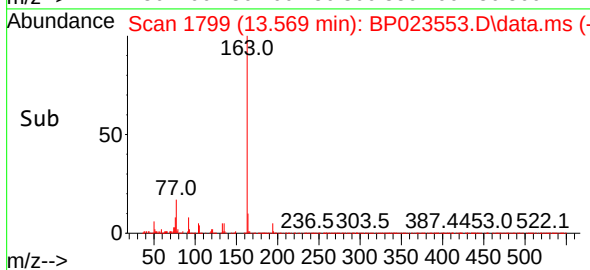
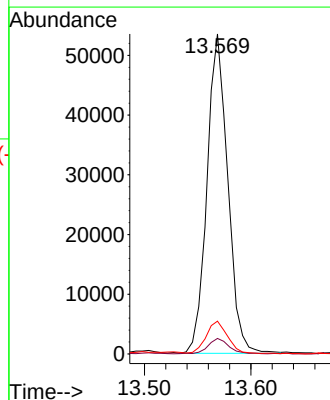
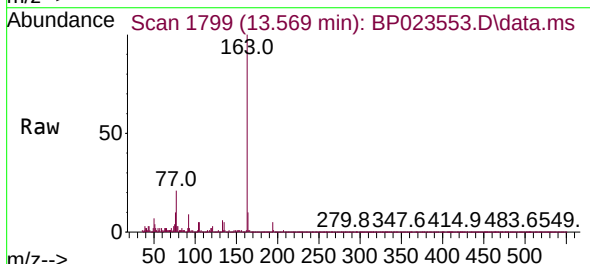
12/21/2024
Supervised By :mohammad
ahmed

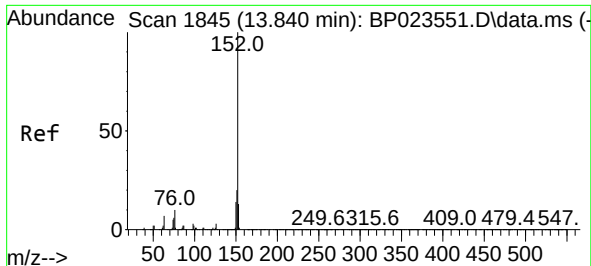
12/21/2024



#47
Dimethylphthalate
Concen: 1.613 ng/ul
RT: 13.569 min Scan# 1799
Delta R.T. -0.036 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

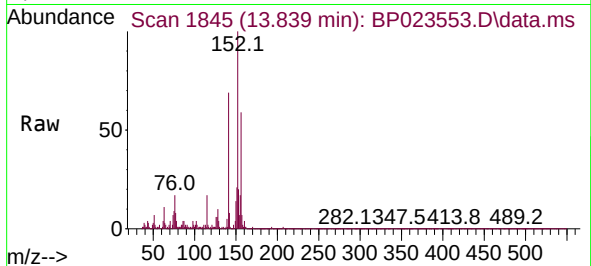
Tgt Ion:163 Resp: 72506
Ion Ratio Lower Upper
163 100
194 4.9 3.3 4.9
164 10.3 8.6 13.0





#50
Acenaphthylene
Concen: 1.794 ng/ul
RT: 13.839 min Scan# 1845
Delta R.T. -0.024 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Instrument :
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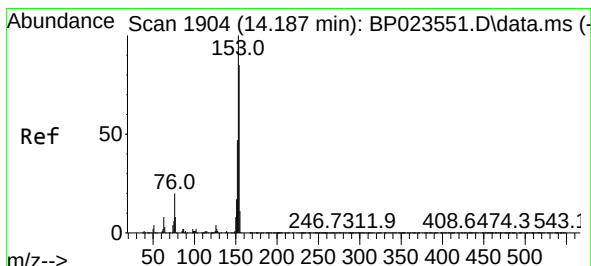
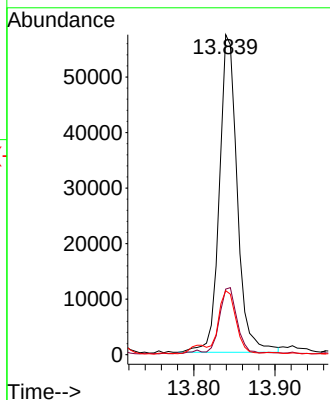
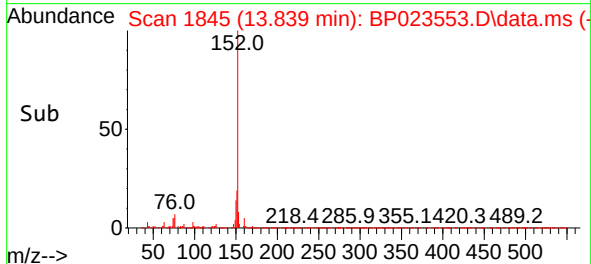
Tgt Ion:152 Resp: 87910
Ion Ratio Lower Upper
152 100
151 20.5 15.7 23.5
153 20.0 10.5 15.7

Manual Integrations
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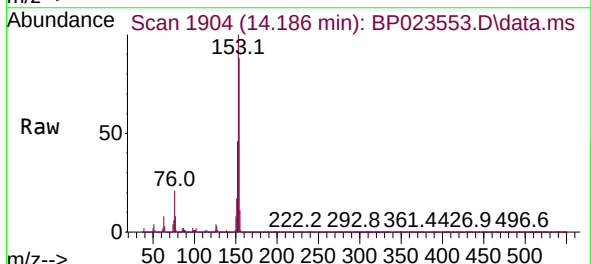
Reviewed By :Yogesh
Patel

12/21/2024
Supervised By :mohammad
ahmed

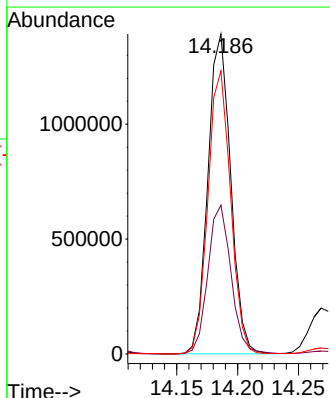
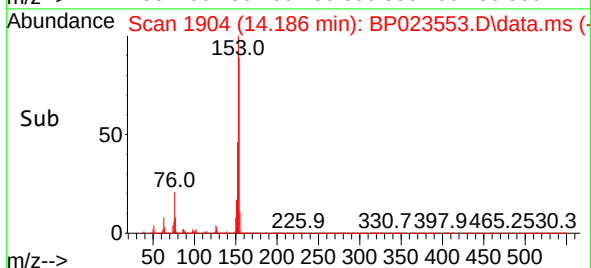
12/21/2024

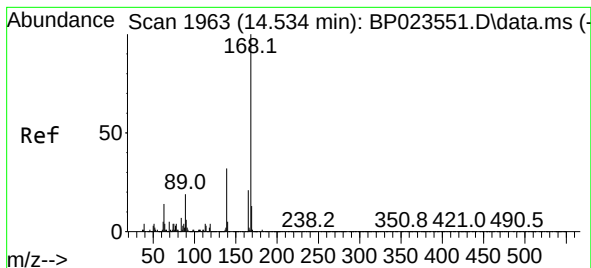


#52
Acenaphthene
Concen: 50.642 ng/ul
RT: 14.186 min Scan# 1904
Delta R.T. -0.024 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28



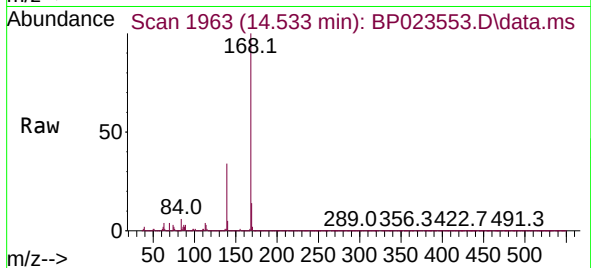
Tgt Ion:153 Resp: 1813806
Ion Ratio Lower Upper
153 100
152 46.5 39.0 58.6
154 88.5 71.0 106.4





#56
Dibenzenofuran
Concen: 71.771 ng/ul
RT: 14.533 min Scan# 1963
Delta R.T. -0.018 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

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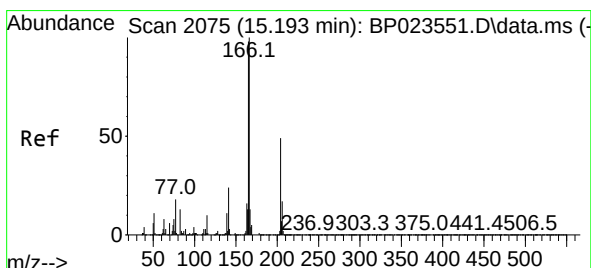
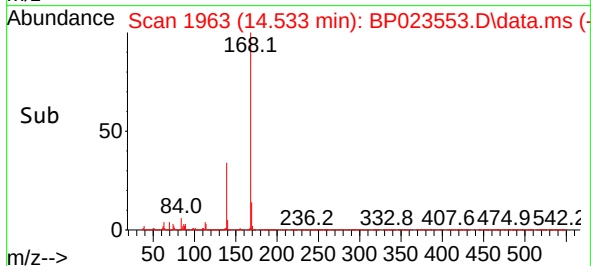
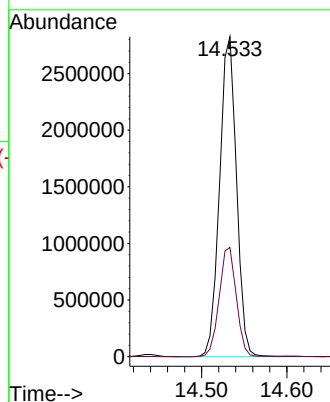
Tgt Ion:168 Resp: 3903920
Ion Ratio Lower Upper
168 100
139 34.2 31.0 46.4

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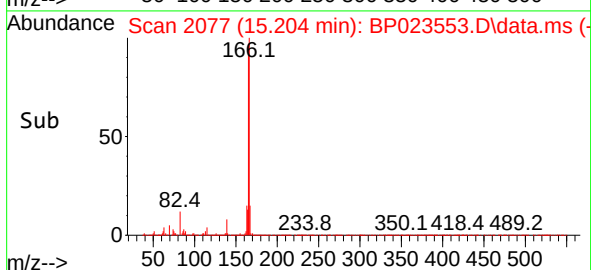
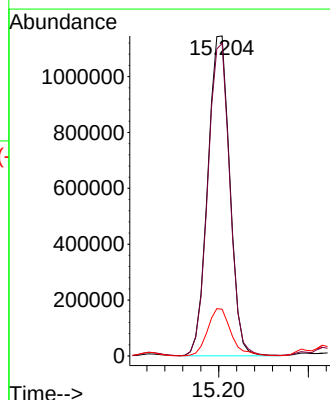
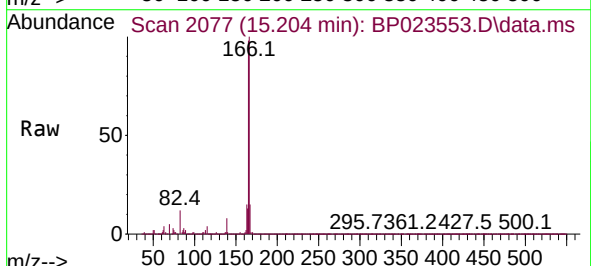
12/21/2024
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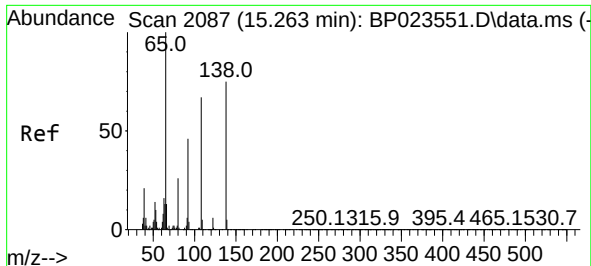
12/21/2024



#61
Fluorene
Concen: 44.000 ng/ul
RT: 15.204 min Scan# 2077
Delta R.T. -0.012 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

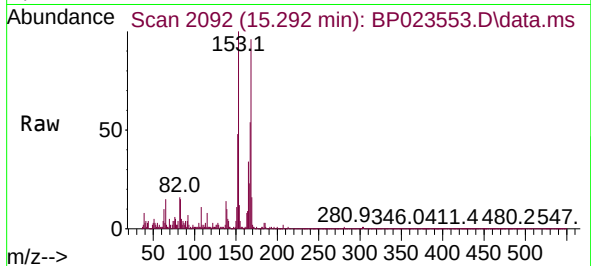
Tgt Ion:166 Resp: 1948736
Ion Ratio Lower Upper
166 100
165 97.6 78.5 117.7
167 14.6 11.1 16.7





#63
4-Nitroaniline
Concen: 3.111 ng/ul m
RT: 15.292 min Scan# 2087
Delta R.T. 0.017 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Instrument :
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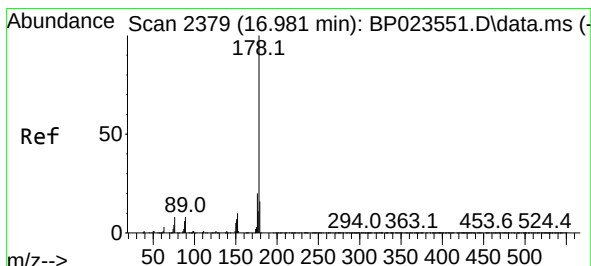
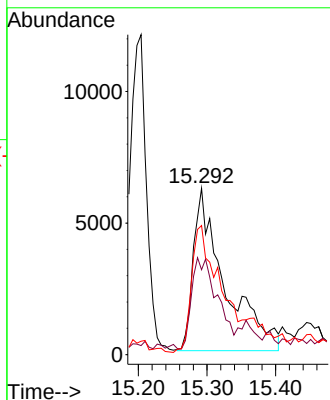
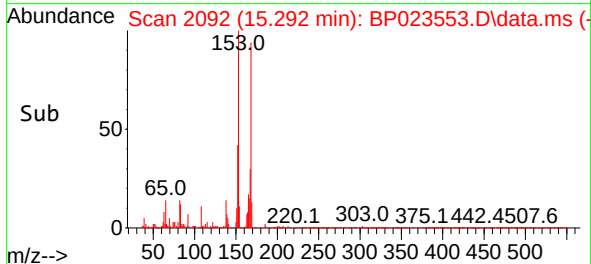
Tgt Ion:138 Resp: 1974
Ion Ratio Lower Upper
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92 51.1 53.0 79.4
108 77.6 96.2 144.2

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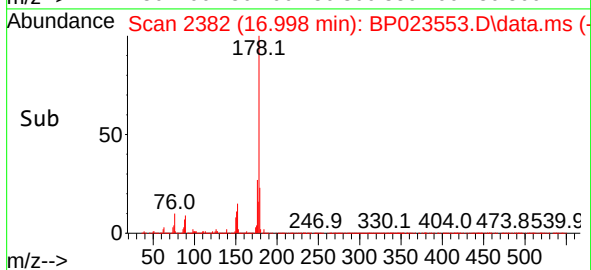
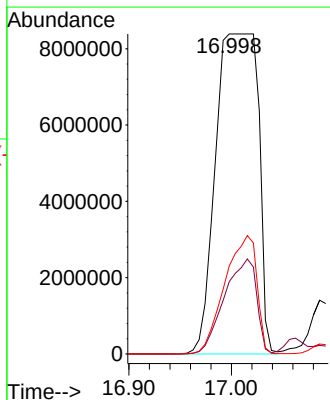
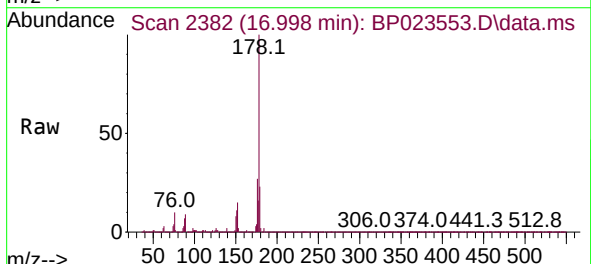
12/21/2024
Supervised By :mohammad
ahmed

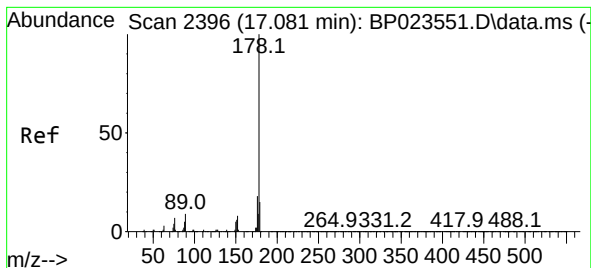
12/21/2024



#72
Phenanthrene
Concen: 371.806 ng/ul m
RT: 16.998 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Tgt Ion:178 Resp:24211647
Ion Ratio Lower Upper
178 100
179 22.6 12.1 18.1#
176 27.5 15.4 23.0#





#74

Anthracene

Concen: 31.331 ng/ul

RT: 17.086 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP023553.D

Acq: 20 Dec 2024 12:28

Instrument :

BNA_P

ClientSampleId :

E2903DL

Tgt Ion:178 Resp: 2040018

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

176 18.4 14.7 22.1

Manual Integrations

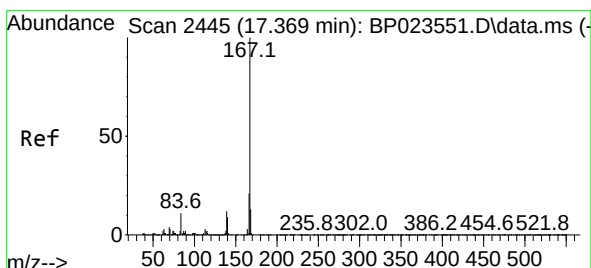
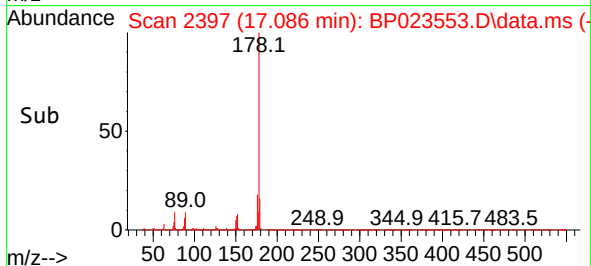
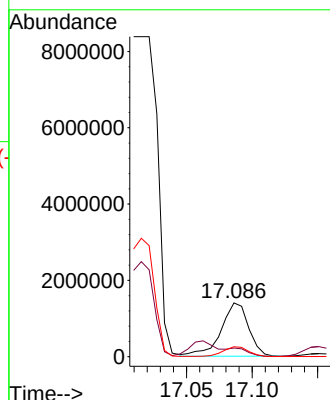
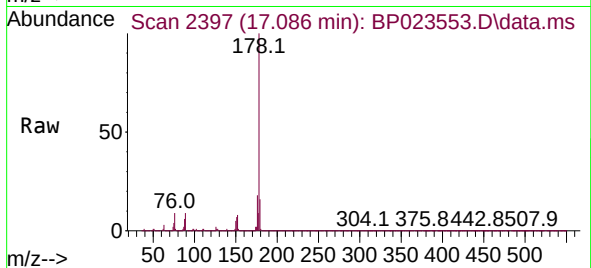
APPROVED

Reviewed By :Yogesh
Patel

12/21/2024

Supervised By :mohammad
ahmed

12/21/2024



#77

Carbazole

Concen: 62.279 ng/ul

RT: 17.380 min Scan# 2447

Delta R.T. -0.000 min

Lab File: BP023553.D

Acq: 20 Dec 2024 12:28

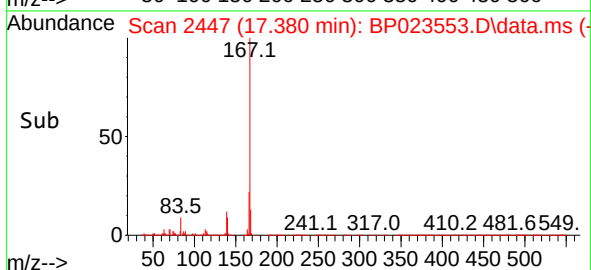
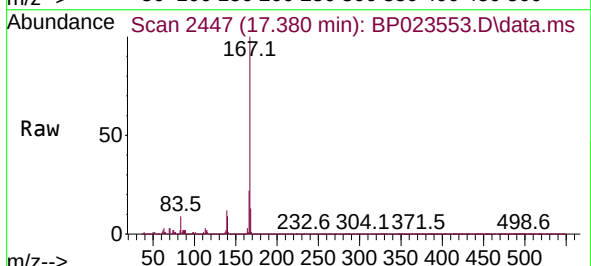
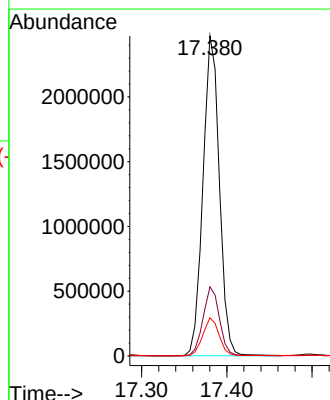
Tgt Ion:167 Resp: 3303802

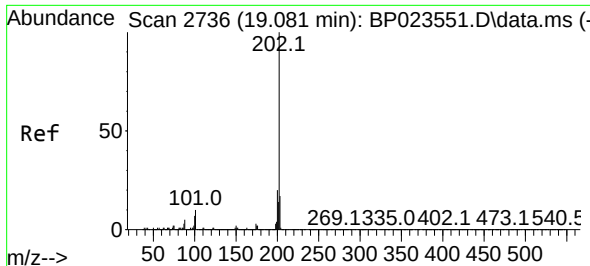
Ion Ratio Lower Upper

167 100

166 21.6 17.3 25.9

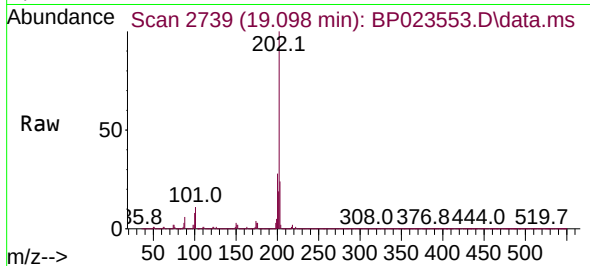
139 11.9 10.3 15.5





#80
Fluoranthene
Concen: 313.819 ng/ul m
RT: 19.098 min Scan# 2739
Delta R.T. -0.000 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Instrument :
BNA_P
ClientSampleId :
E2903DL



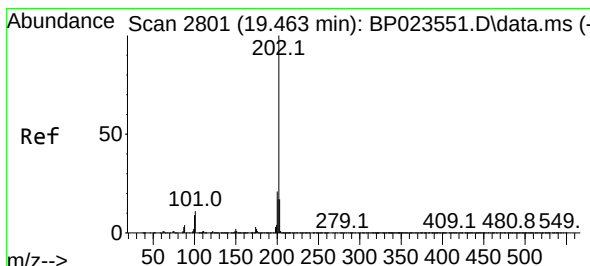
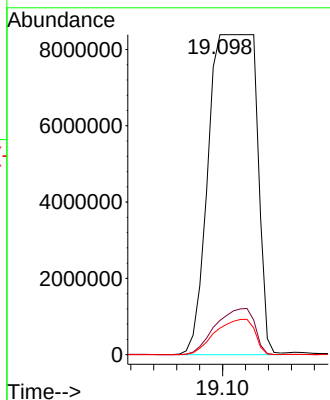
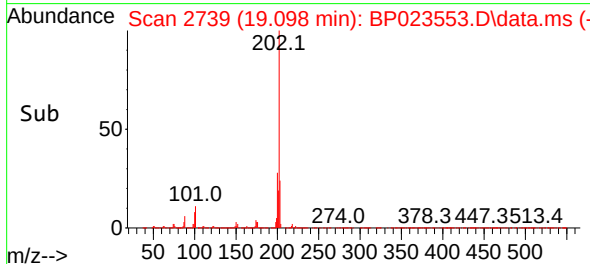
Tgt Ion:202 Resp:24221100
Ion Ratio Lower Upper
202 100
101 10.7 5.6 8.4
100 8.3 4.6 7.0

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

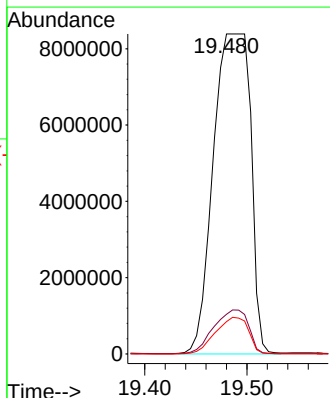
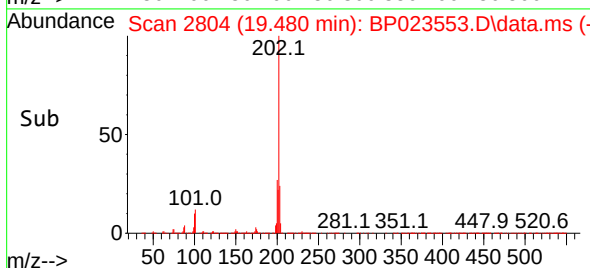
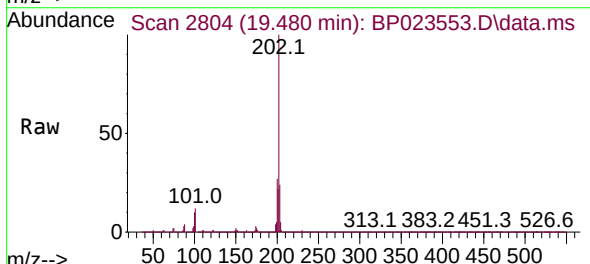
12/21/2024
Supervised By :mohammad
ahmed

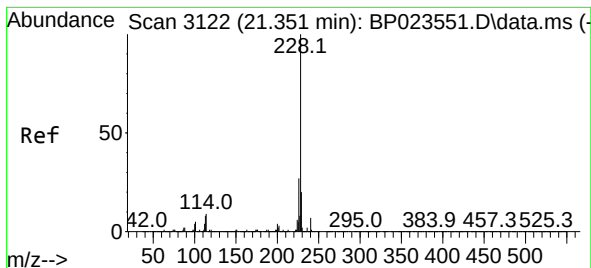
12/21/2024



#82
Pyrene
Concen: 260.510 ng/ul m
RT: 19.480 min Scan# 2804
Delta R.T. 0.005 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Tgt Ion:202 Resp:21336266
Ion Ratio Lower Upper
202 100
101 12.4 6.7 10.1#
100 10.1 5.8 8.8#





#85

Benzo(a)anthracene

Concen: 122.585 ng/ul

RT: 21.374 min Scan# 3126

Delta R.T. 0.005 min

Lab File: BP023553.D

Acq: 20 Dec 2024 12:28

Instrument :

BNA_P

ClientSampleId :

E2903DL

Tgt Ion:228 Resp:1059778

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

226 28.9 21.6 32.4

Manual Integrations

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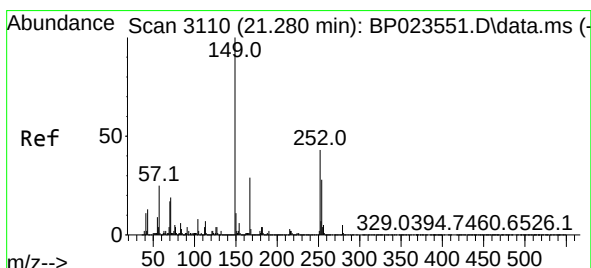
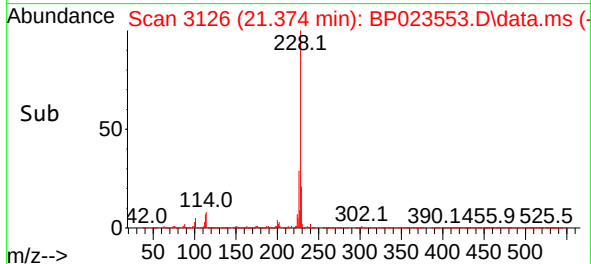
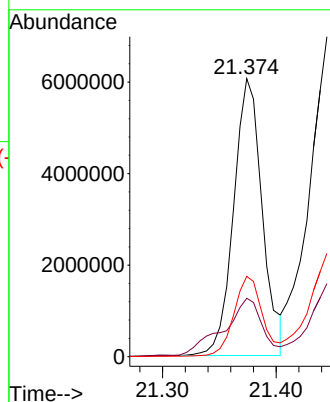
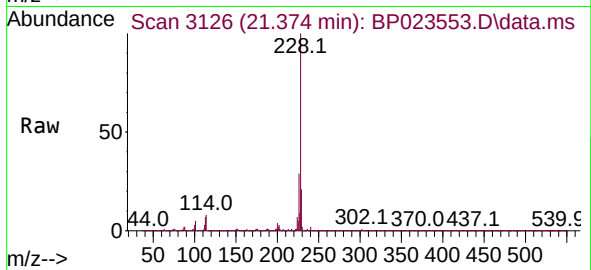
Reviewed By :Yogesh

Patel

12/21/2024

Supervised By :mohammad
ahmed

12/21/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.244 ng/ul

RT: 21.298 min Scan# 3113

Delta R.T. -0.000 min

Lab File: BP023553.D

Acq: 20 Dec 2024 12:28

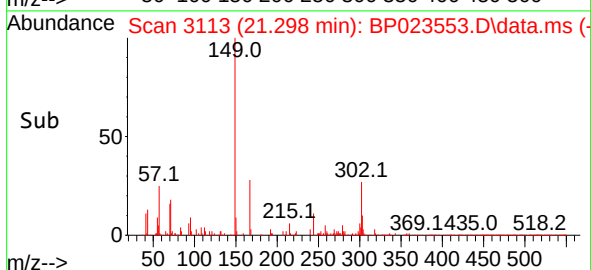
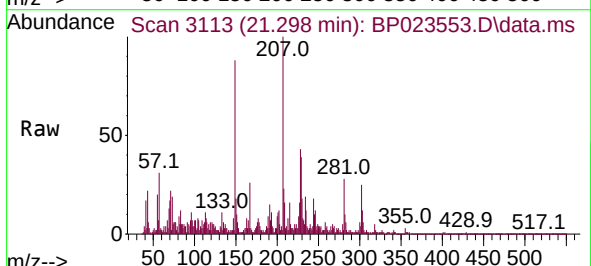
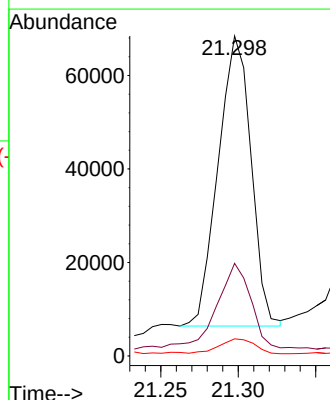
Tgt Ion:149 Resp: 91407

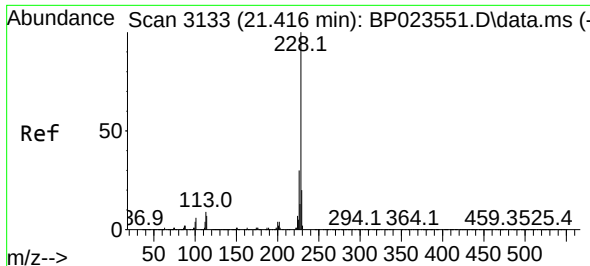
Ion Ratio Lower Upper

149 100

167 29.0 22.5 33.7

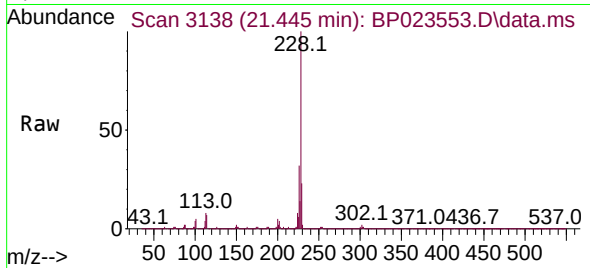
279 5.4 3.7 5.5





#87
Chrysene
Concen: 168.408 ng/u1
RT: 21.445 min Scan# 3133
Delta R.T. 0.005 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Instrument :
BNA_P
ClientSampleId :
E2903DL



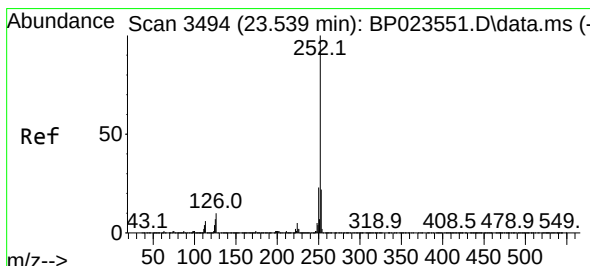
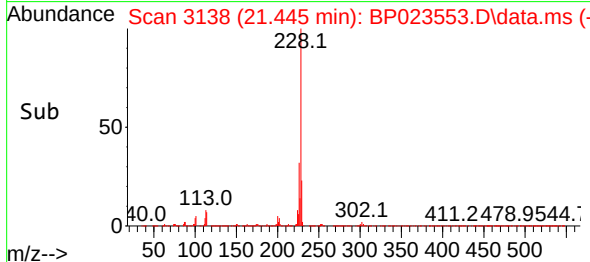
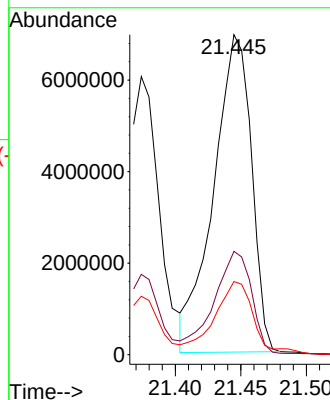
Tgt Ion:228 Resp:13952215
Ion Ratio Lower Upper
228 100
226 32.3 24.2 36.2
229 22.9 15.6 23.4

Manual Integrations
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Reviewed By :Yogesh
Patel

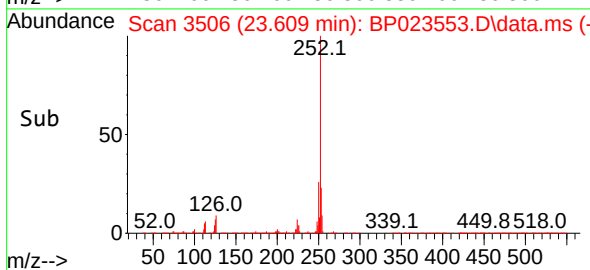
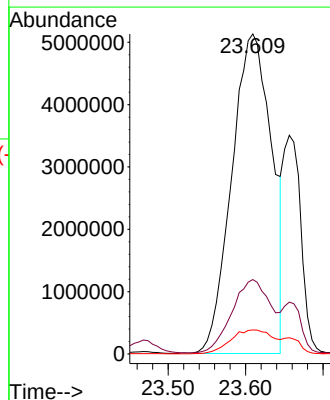
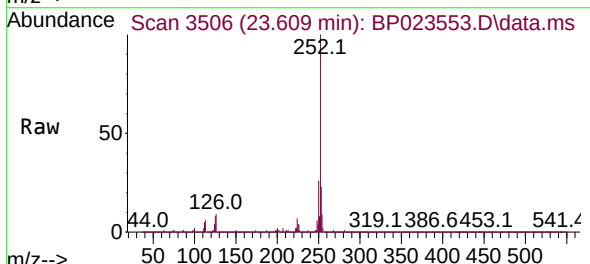
12/21/2024
Supervised By :mohammad
ahmed

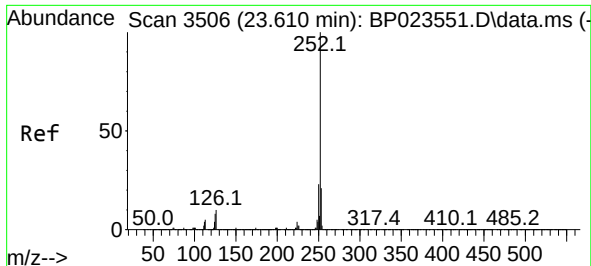
12/21/2024



#90
Benzo(b)fluoranthene
Concen: 202.299 ng/u1
RT: 23.609 min Scan# 3506
Delta R.T. 0.052 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

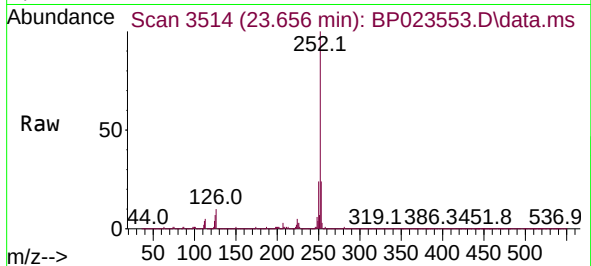
Tgt Ion:252 Resp:18417067
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 7.5 4.4 6.6





#91
Benzo(k)fluoranthene
Concen: 60.088 ng/ul m
RT: 23.656 min Scan# 3514
Delta R.T. 0.035 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Instrument :
BNA_P
ClientSampleId :
E2903DL



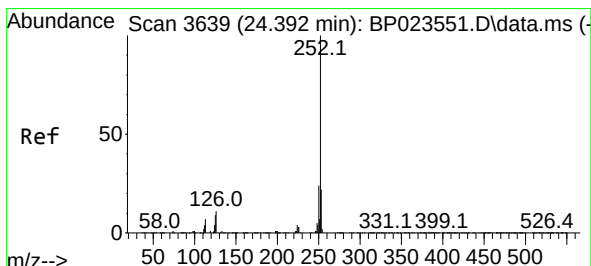
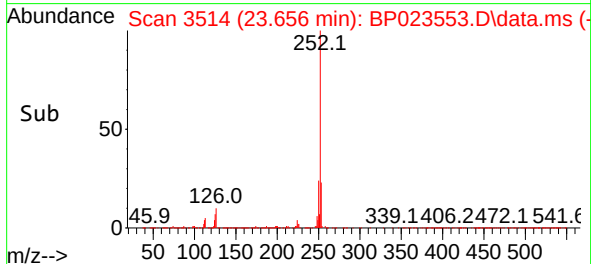
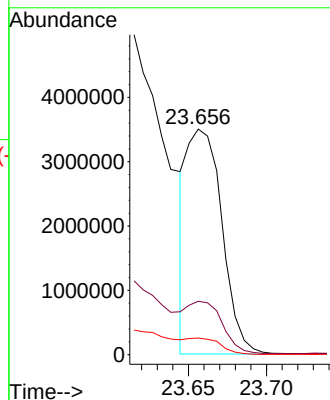
Tgt Ion:252 Resp: 5442870
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 7.4 4.3 6.5

Manual Integrations
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Reviewed By :Yogesh
Patel

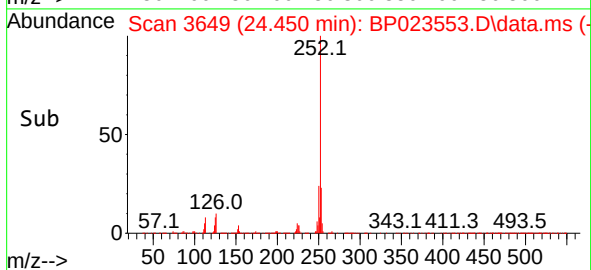
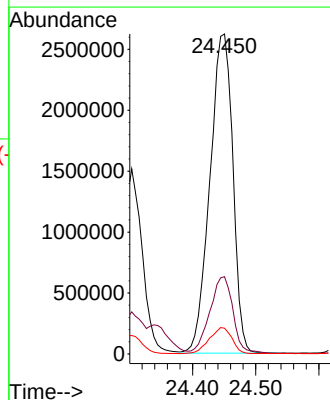
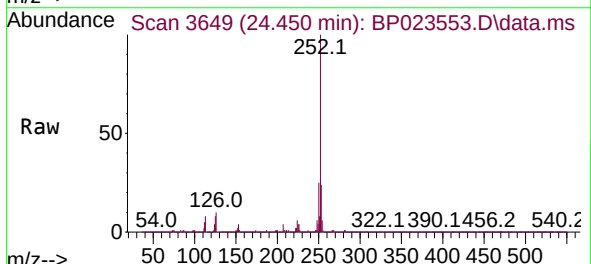
12/21/2024
Supervised By :mohammad
ahmed

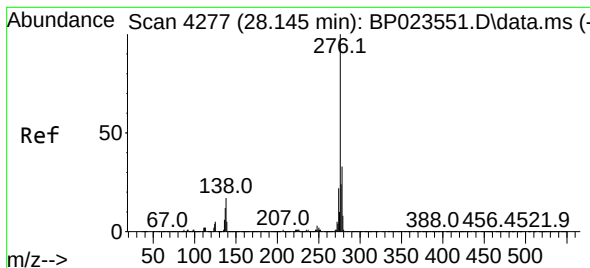
12/21/2024



#93
Benzo(a)pyrene
Concen: 80.189 ng/ul
RT: 24.450 min Scan# 3649
Delta R.T. 0.041 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Tgt Ion:252 Resp: 6619152
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 8.1 5.0 7.4





#94

Indeno(1,2,3-cd)pyrene

Concen: 62.206 ng/ul

RT: 28.197 min Scan# 41

Delta R.T. 0.052 min

Lab File: BP023553.D

Acq: 20 Dec 2024 12:28

Instrument :

BNA_P

ClientSampleId :

E2903DL

Tgt Ion:276 Resp: 659864

Ion Ratio Lower Upper

276 100

138 15.0 7.8 11.6

277 24.6 19.8 29.8

Manual Integrations

APPROVED

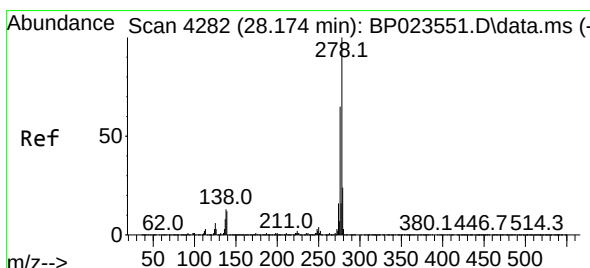
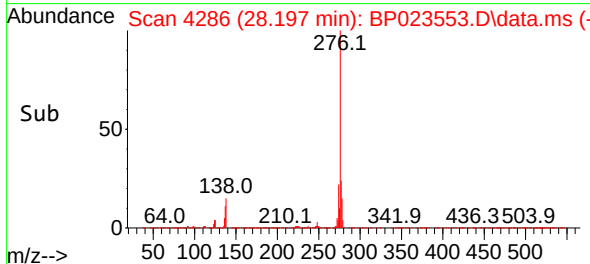
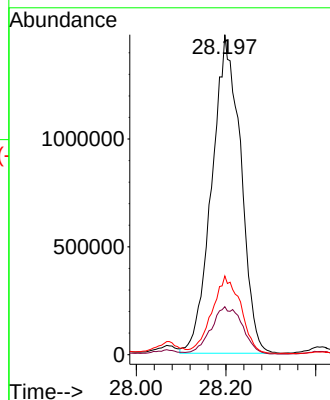
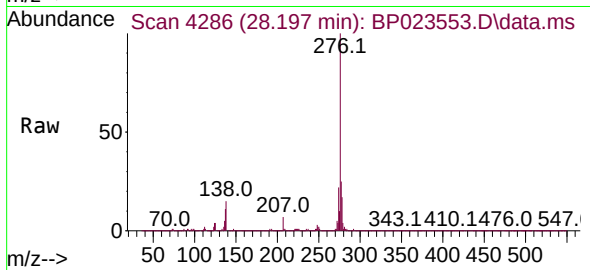
Reviewed By :Yogesh

Patel

12/21/2024

Supervised By :mohammad
ahmed

12/21/2024



#95

Dibenzo(a,h)anthracene

Concen: 23.378 ng/ul

RT: 28.233 min Scan# 4292

Delta R.T. 0.017 min

Lab File: BP023553.D

Acq: 20 Dec 2024 12:28

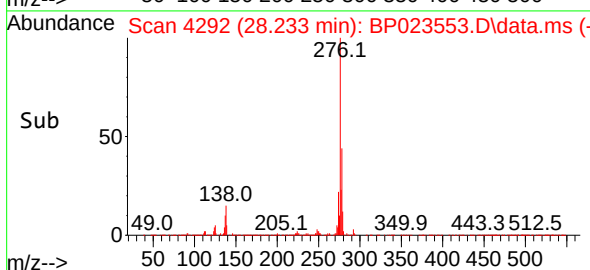
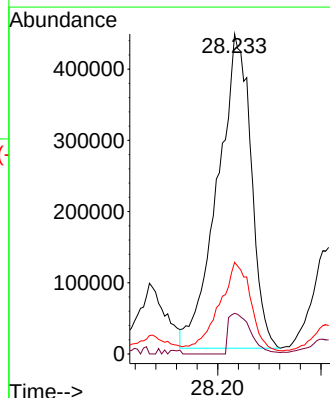
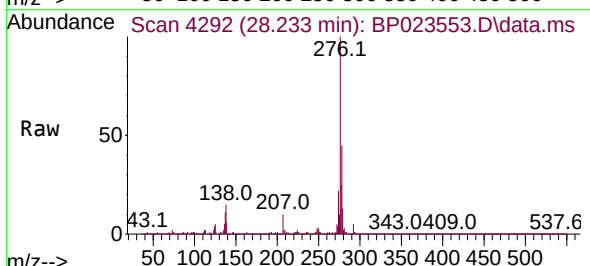
Tgt Ion:278 Resp: 1984571

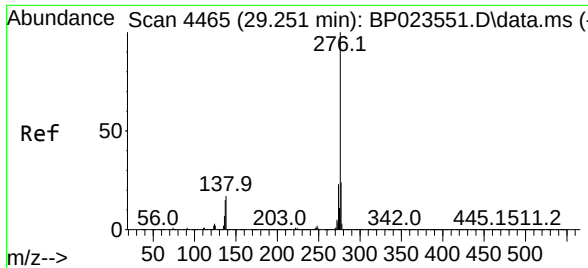
Ion Ratio Lower Upper

278 100

139 12.7 6.0 9.0#

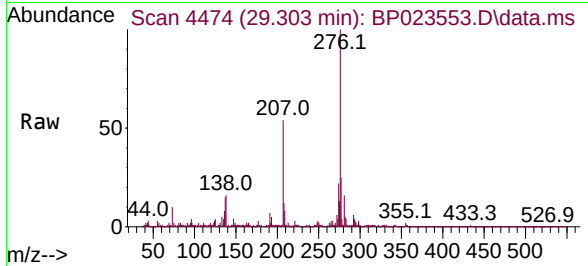
279 28.7 19.2 28.8





#96
Benzo(g,h,i)perylene
Concen: 11.395 ng/ul m
RT: 29.303 min Scan# 44
Delta R.T. 0.052 min
Lab File: BP023553.D
Acq: 20 Dec 2024 12:28

Instrument :
BNA_P
ClientSampleId :
E2903DL



Tgt Ion:276 Resp: 92544
Ion Ratio Lower Upper
276 100
138 15.8 8.5 12.7
277 25.2 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

12/21/2024
Supervised By :mohammad
ahmed

12/21/2024

