

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121824\
 Data File : BP023540.D
 Acq On : 20 Dec 2024 00:04
 Operator : RC/JU
 Sample : P5265-18
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E2903

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2024
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 20 02:42:19 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	7.528	152	235437	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.263	136	977536	20.000	ng/ul	#-0.02
38) Acenaphthene-d10	14.145	164	814584	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.998	188	1032253	20.000	ng/ul	0.04
79) Chrysene-d12	21.468	240	934420m	20.000	ng/ul	0.08
88) Perylene-d12	24.656	264	1707911	20.000	ng/ul	# 0.08
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.093	96	14103	2.205	ng/uL	-0.01
4) Pyridine-d5	3.528	84	85901m	5.224	ng/ul	0.01
7) Phenol-d5	6.746	99	288430	15.614	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.887	67	222487	19.090	ng/ul	0.00
11) 2-Chlorophenol-d4	7.087	132	234296	17.184	ng/ul	0.00
15) 4-Methylphenol-d8	8.251	113	237504	15.930	ng/ul	0.00
21) Nitrobenzene-d5	8.669	128	137425	18.826	ng/ul	-0.02
24) 2-Nitrophenol-d4	9.375	143	151848	18.049	ng/ul	-0.02
28) 2,4-Dichlorophenol-d3	9.928	165	316434	17.821	ng/ul	0.00
31) 4-Chloroaniline-d4	10.475	131	45937m	2.309	ng/ul	0.03
46) Dimethylphthalate-d6	13.551	166	1096431	17.339	ng/ul	0.00
49) Acenaphthylene-d8	13.828	160	1093923	16.401	ng/ul	0.00
54) 4-Nitrophenol-d4	14.492	143	134436m	17.348	ng/ul	0.08
60) Fluorene-d10	15.157	176	853507	15.345	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.392	200	35391m	5.673	ng/ul	0.08
73) Anthracene-d10	17.127	188	784831	16.659	ng/ul	0.08
81) Pyrene-d10	19.480	212	757528m	15.517	ng/ul	0.03
92) Benzo(a)pyrene-d12	24.439	264	774734	8.474	ng/ul	0.09
Target Compounds						
					Qvalue	
16) Acetophenone	8.340	105	721046	28.734	ng/ul	93
18) 4-Methylphenol	8.322	108	109381	7.105	ng/ul	93
26) 2,4-Dimethylphenol	9.481	107	94700	4.759	ng/ul#	86
30) Naphthalene	10.322	128	14684177	286.941	ng/ul	98
36) 2-Methylnaphthalene	11.934	142	7292578	192.167	ng/ul	97
37) 1-Methylnaphthalene	12.151	142	5093530	131.713	ng/ul	96
43) 1,1'-Biphenyl	12.951	154	4290417	74.335	ng/ul	98
47) Dimethylphthalate	13.592	163	832091	13.358	ng/ul	98
50) Acenaphthylene	13.857	152	1216180	17.905	ng/ul#	92
52) Acenaphthene	14.222	153	15262154	307.410	ng/ul	99
56) Dibenzofuran	14.551	168	21594453m	286.402	ng/ul	
61) Fluorene	15.227	166	16753816	272.895	ng/ul	98
63) 4-Nitroaniline	15.304	138	378392	43.006	ng/ul#	79
72) Phenanthrene	16.998	178	70180960m	1315.089	ng/ul	
74) Anthracene	17.145	178	10902665	204.320	ng/ul#	74
77) Carbazole	17.398	167	20316262m	467.322	ng/ul	
80) Fluoranthene	19.098	202	70440165m	1259.192	ng/ul	
82) Pyrene	19.492	202	55203920m	929.958	ng/ul	
85) Benzo(a)anthracene	21.386	228	48662831m	776.617	ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.309	149	905249	30.661	ng/ul	97
87) Chrysene	21.468	228	36750222m	612.020	ng/ul	
90) Benzo(b)fluoranthene	23.621	252	60966395m	568.154	ng/ul	
91) Benzo(k)fluoranthene	23.721	252	39344252m	368.507	ng/ul	
93) Benzo(a)pyrene	24.527	252	52174944m	536.262	ng/ul	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Indeno(1,2,3-cd)pyrene	28.439	276	61422888m	491.261	ng/ul	
95) Dibenzo(a,h)anthracene	28.456	278	18308449m	182.976	ng/ul	
96) Benzo(g,h,i)perylene	29.427	276	8727744m	91.172	ng/ul	

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

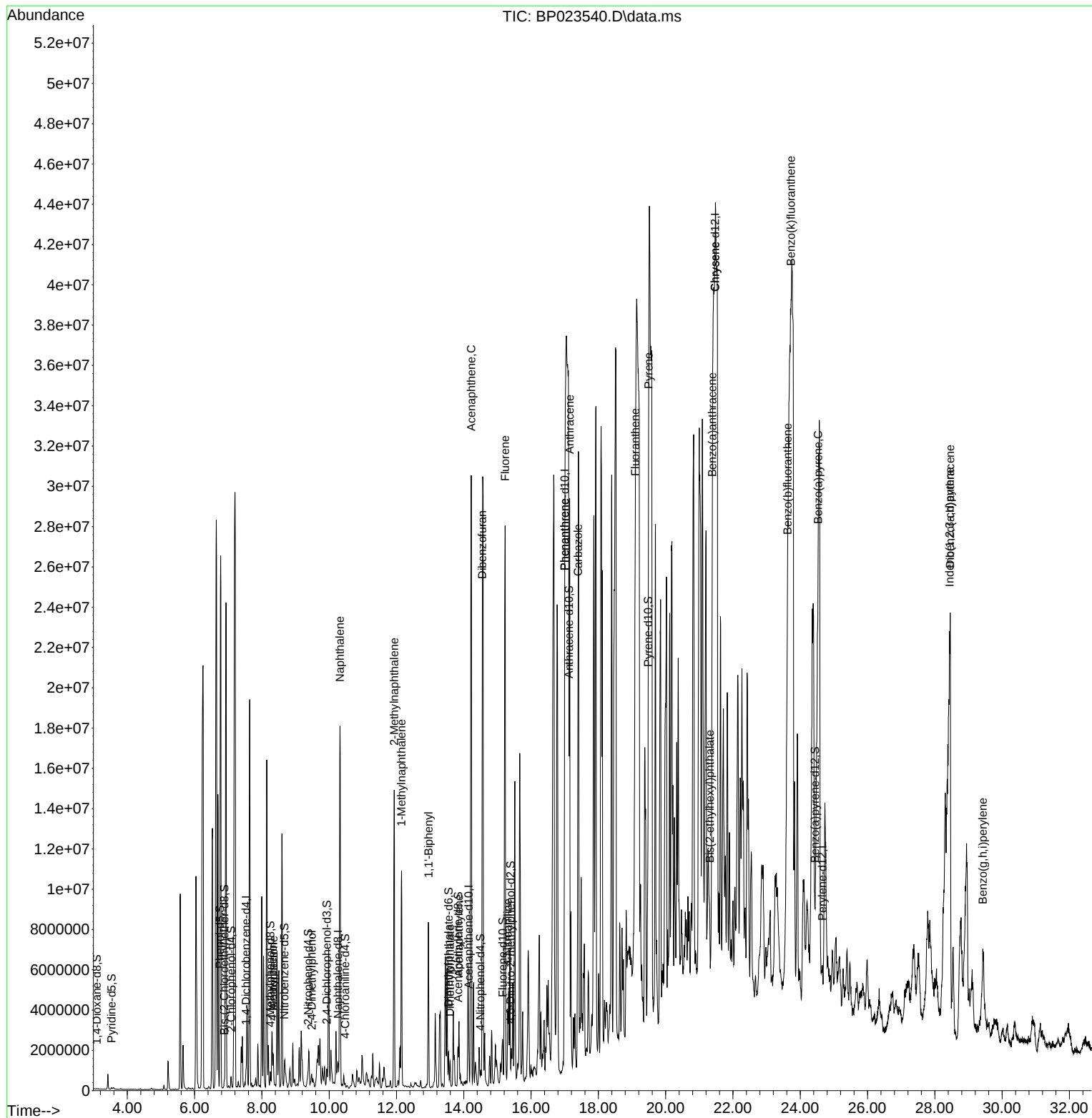
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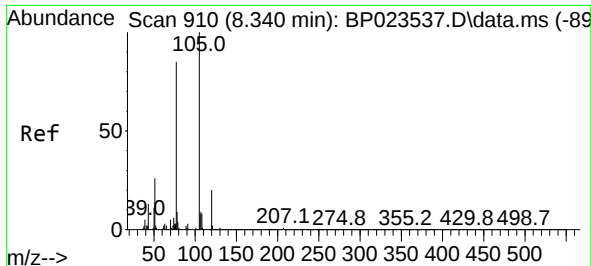
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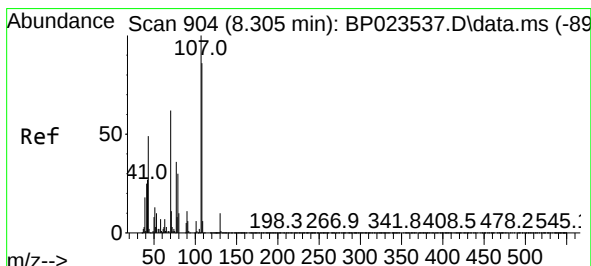
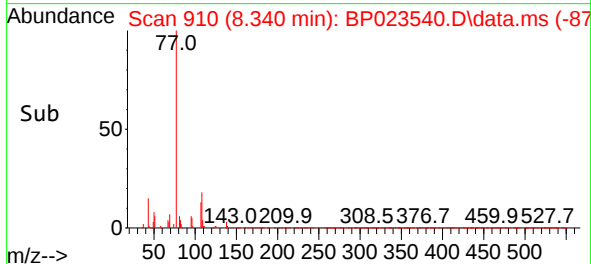
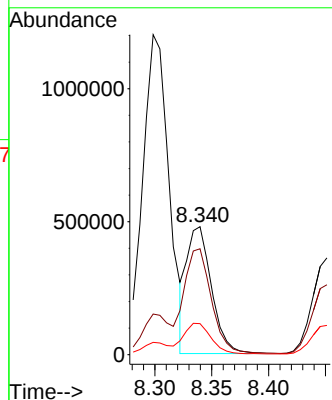
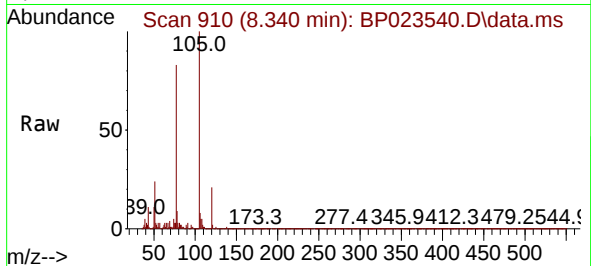
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Acetophenone
Concen: 28.734 ng/ul
RT: 8.340 min Scan# 910
Delta R.T. -0.018 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

Instrument :
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ClientSampleId :
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Tgt Ion:105 Resp: 721040
Ion Ratio Lower Upper
105 100
77 82.7 71.2 106.8
51 24.3 22.9 34.3

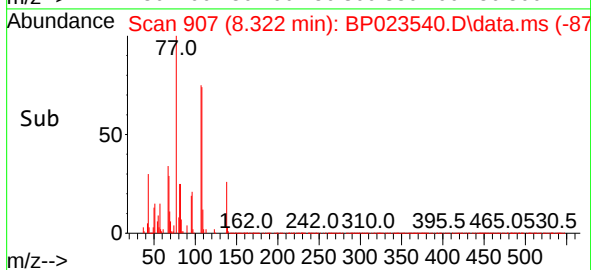
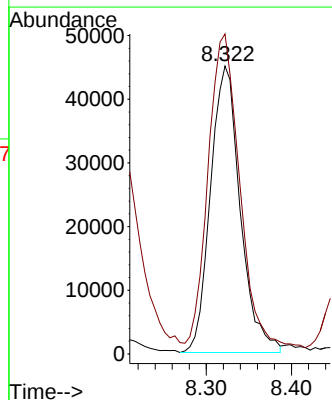
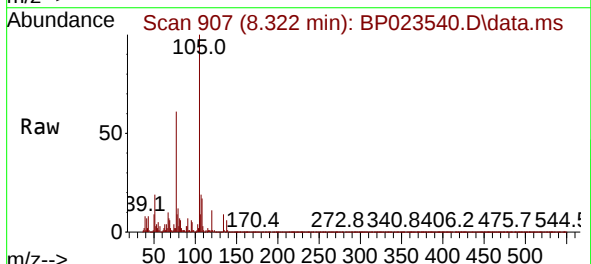
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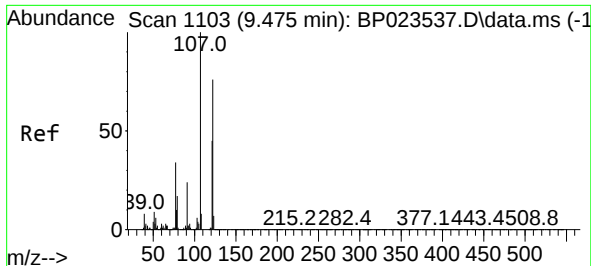
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/21/2024



#18
4-Methylphenol
Concen: 7.105 ng/ul
RT: 8.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

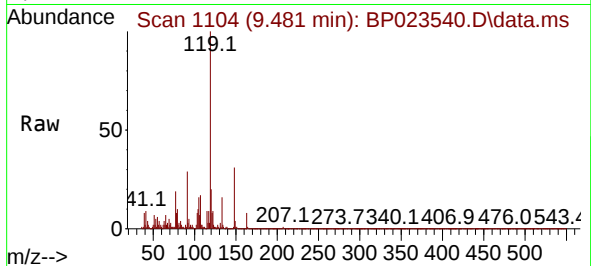
Tgt Ion:108 Resp: 109381
Ion Ratio Lower Upper
108 100
107 111.2 95.1 142.7





#26
2,4-Dimethylphenol
Concen: 4.759 ng/ul
RT: 9.481 min Scan# 1104
Delta R.T. -0.006 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

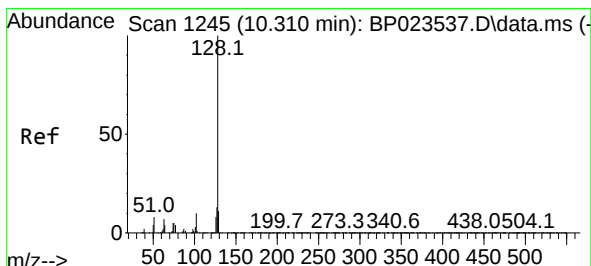
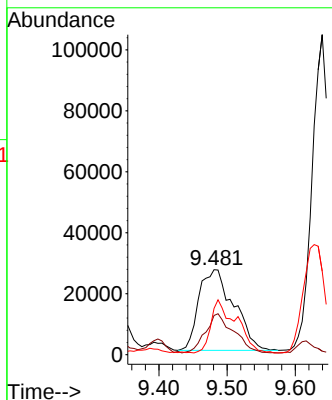
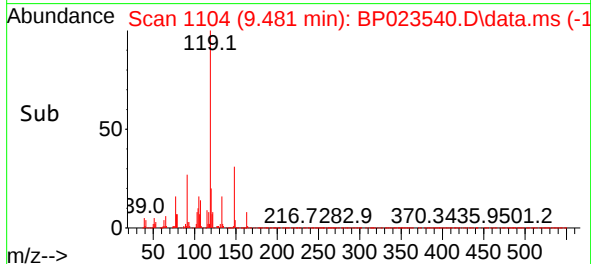
Instrument :
BNA_P
ClientSampleId :
E2903



Tgt Ion:107 Resp: 94700
Ion Ratio Lower Upper
107 100
121 46.1 36.6 55.0
122 54.3 58.6 87.8

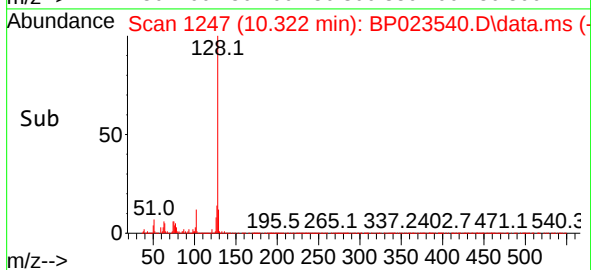
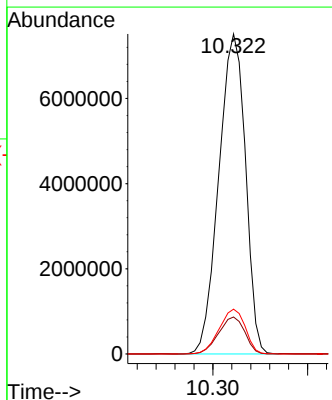
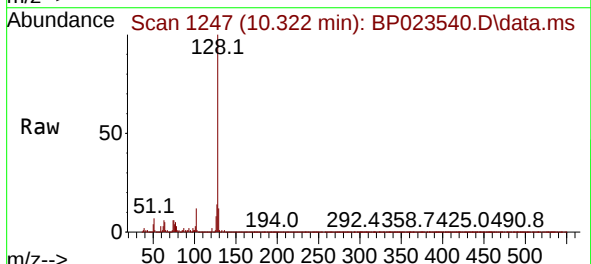
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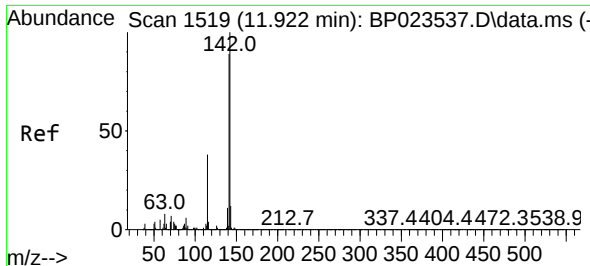
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/21/2024



#30
Naphthalene
Concen: 286.941 ng/ul
RT: 10.322 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

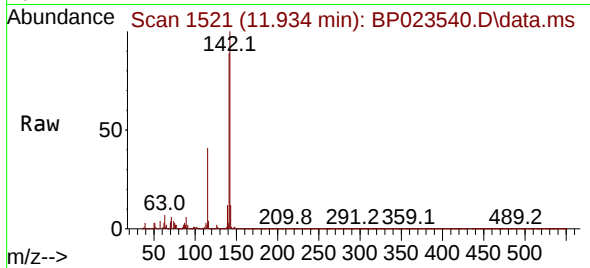
Tgt Ion:128 Resp:14684177
Ion Ratio Lower Upper
128 100
129 11.6 8.5 12.7
127 14.0 10.5 15.7





#36
2-Methylnaphthalene
Concen: 192.167 ng/ul
RT: 11.934 min Scan# 1521
Delta R.T. -0.012 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

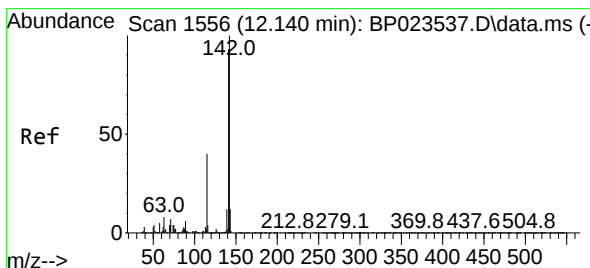
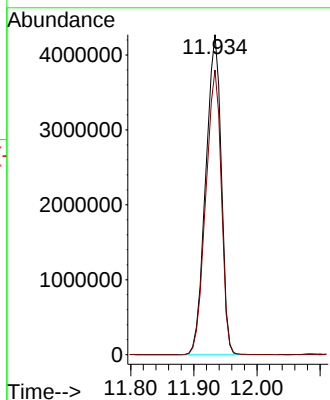
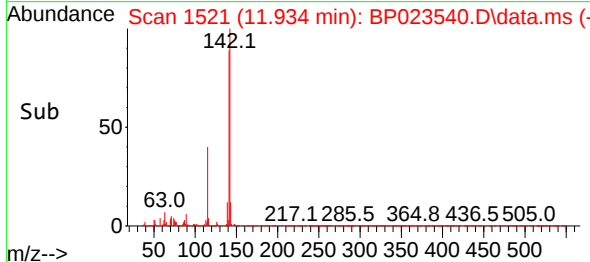
Instrument :
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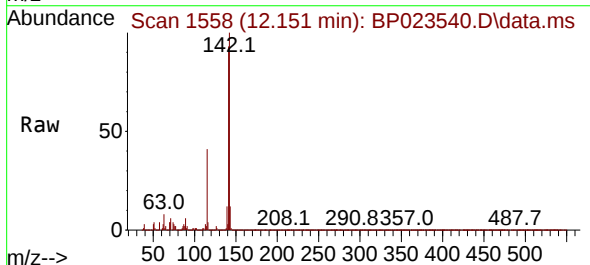
Tgt Ion:142 Resp: 7292578
Ion Ratio Lower Upper
142 100
141 89.0 69.0 103.6

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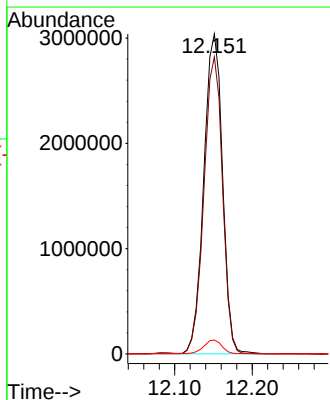
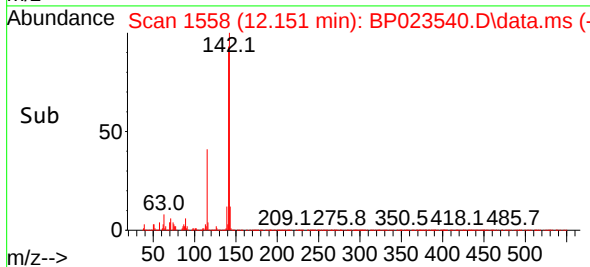
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/21/2024

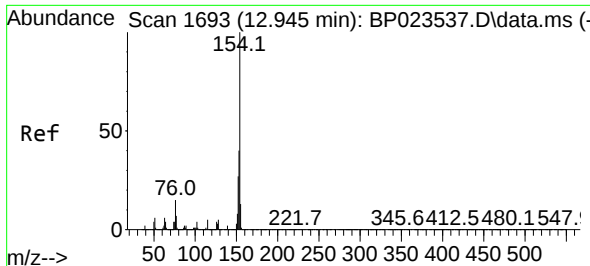


#37
1-Methylnaphthalene
Concen: 131.713 ng/ul
RT: 12.151 min Scan# 1558
Delta R.T. -0.018 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04



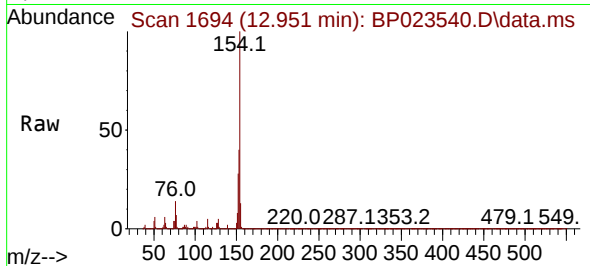
Tgt Ion:142 Resp: 5093530
Ion Ratio Lower Upper
142 100
141 92.9 71.1 106.7
116 4.3 4.0 6.0





#43
1,1'-Biphenyl
Concen: 74.335 ng/ul
RT: 12.951 min Scan# 1694
Delta R.T. -0.012 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

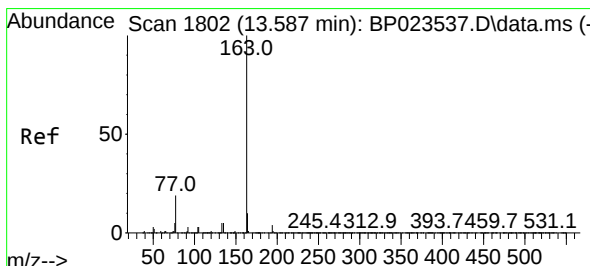
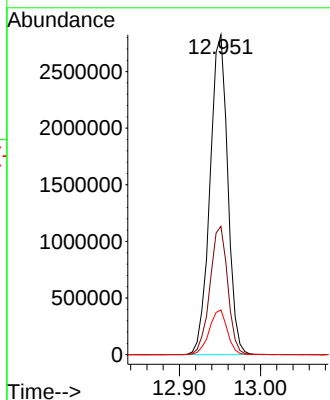
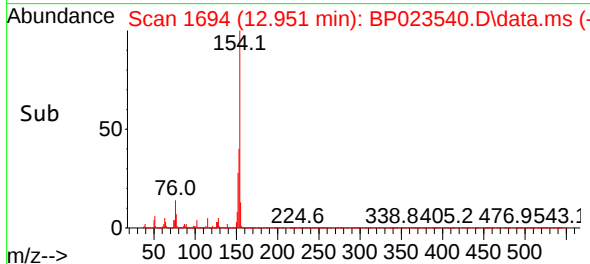
Instrument :
BNA_P
ClientSampleId :
E2903



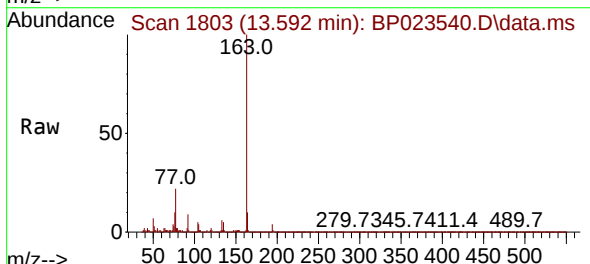
Tgt Ion:154 Resp: 429041
Ion Ratio Lower Upper
154 100
153 40.1 32.8 49.2
76 14.0 10.0 15.0

Manual Integrations
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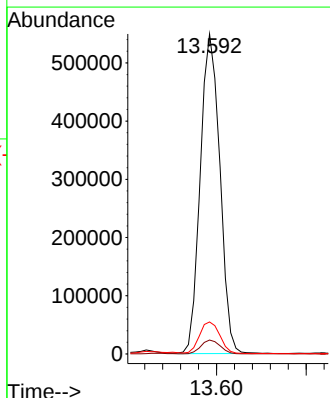
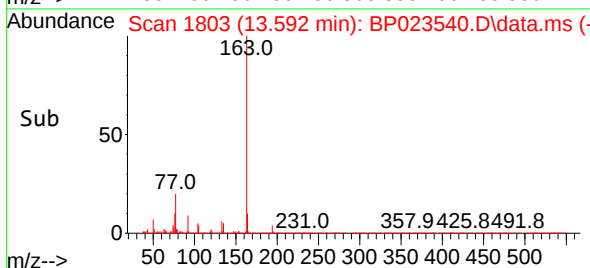
Reviewed By :Yogesh Patel 12/21/2024
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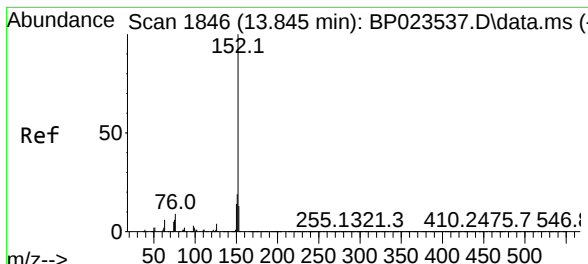


#47
Dimethylphthalate
Concen: 13.358 ng/ul
RT: 13.592 min Scan# 1803
Delta R.T. -0.012 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04



Tgt Ion:163 Resp: 832091
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.0 8.6 13.0





#50
Acenaphthylene
Concen: 17.905 ng/ul
RT: 13.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

Instrument :

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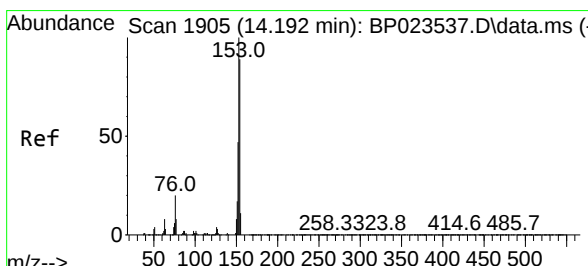
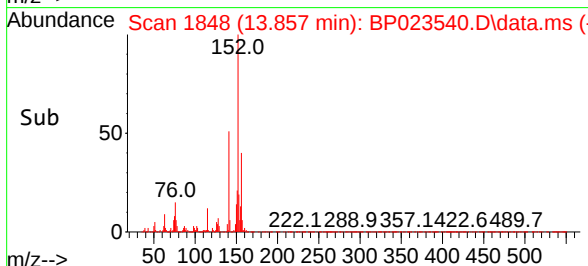
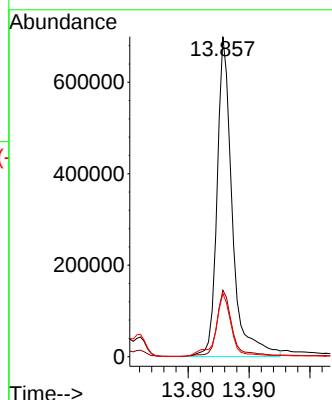
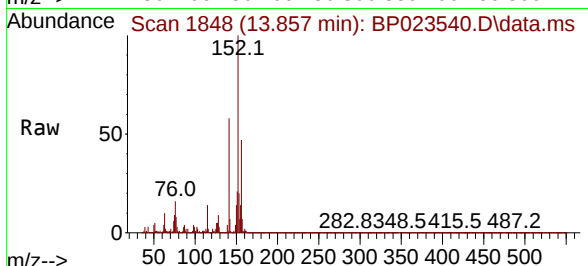
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Ion Ratio Lower Upper
152 100
151 20.8 15.7 23.5
153 19.7 10.5 15.7

Manual Integrations

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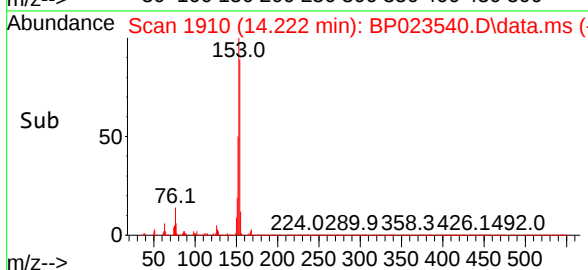
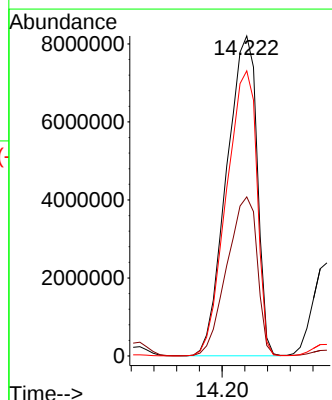
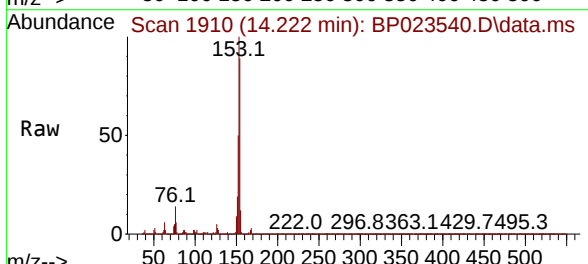
Reviewed By :Yogesh Patel 12/21/2024

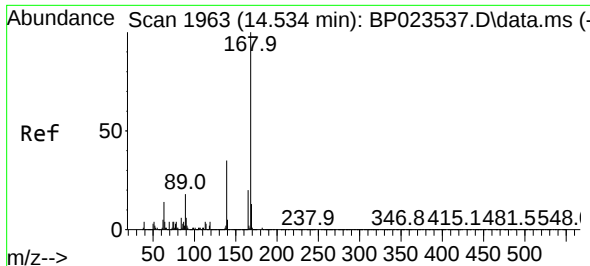
Supervised By :mohammad ahmed 12/21/2024



#52
Acenaphthene
Concen: 307.410 ng/ul
RT: 14.222 min Scan# 1910
Delta R.T. 0.011 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

Tgt Ion:153 Resp:15262154
Ion Ratio Lower Upper
153 100
152 49.7 39.0 58.6
154 89.1 71.0 106.4





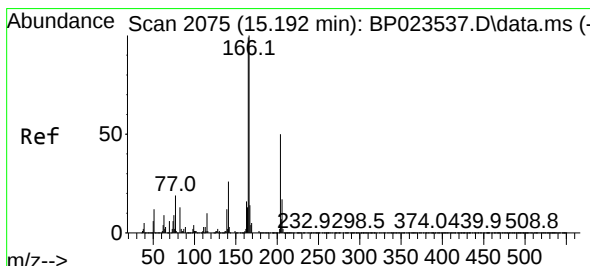
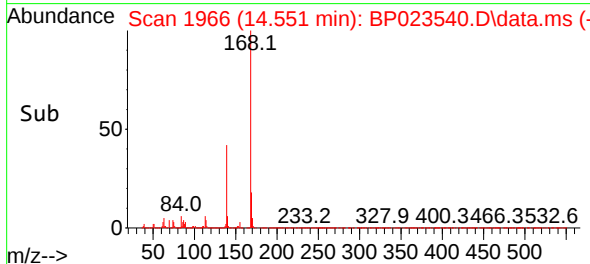
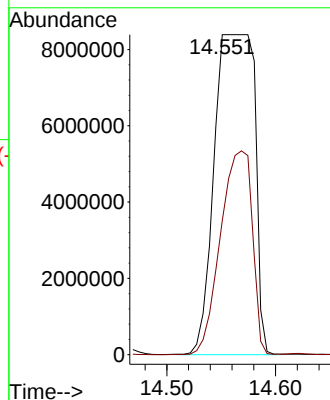
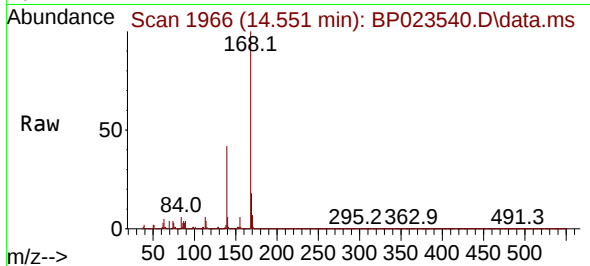
#56
Dibenzenofuran
Concen: 286.402 ng/ul m
RT: 14.551 min Scan# 1966
Delta R.T. -0.000 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

Instrument :
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ClientSampleId :
E2903

Tgt Ion:168 Resp:2159445
Ion Ratio Lower Upper
168 100
139 41.9 31.0 46.4

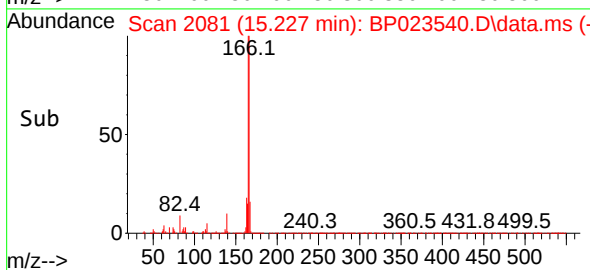
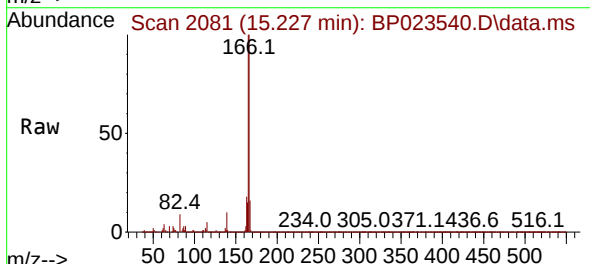
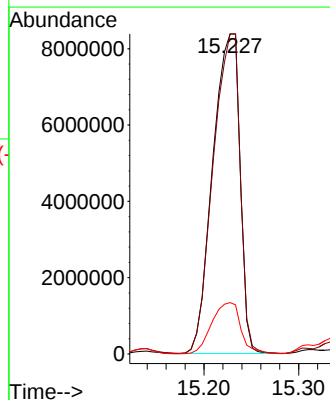
Manual Integrations
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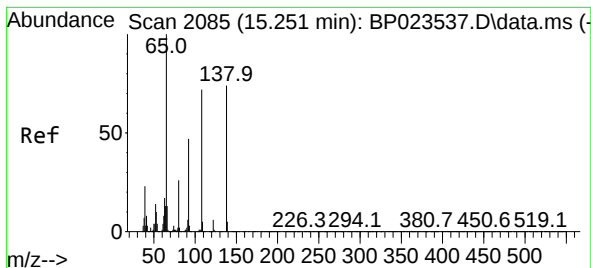
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/21/2024



#61
Fluorene
Concen: 272.895 ng/ul
RT: 15.227 min Scan# 2081
Delta R.T. 0.011 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

Tgt Ion:166 Resp:16753816
Ion Ratio Lower Upper
166 100
165 100.0 78.5 117.7
167 16.1 11.1 16.7





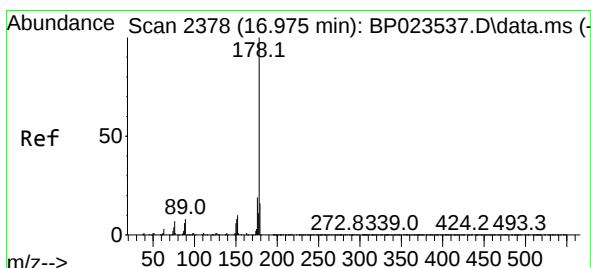
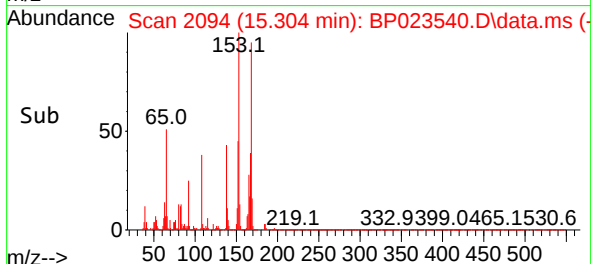
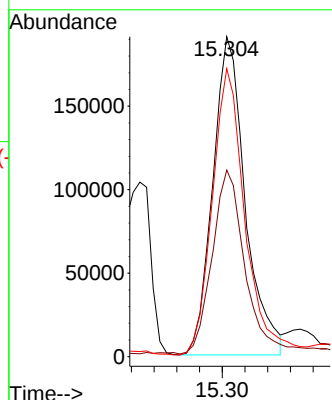
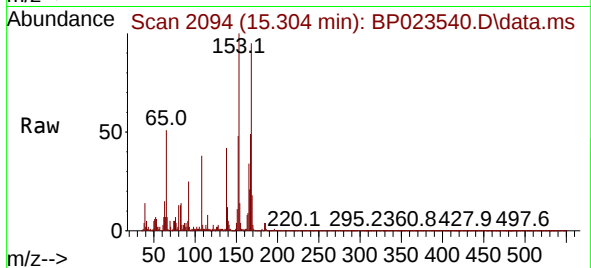
#63
4-Nitroaniline
Concen: 43.006 ng/ul
RT: 15.304 min Scan# 2085
Delta R.T. 0.029 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

Instrument :
BNA_P
ClientSampleId :
E2903

Tgt Ion:138 Resp: 378392
Ion Ratio Lower Upper
138 100
92 58.3 53.0 79.4
108 90.0 96.2 144.2

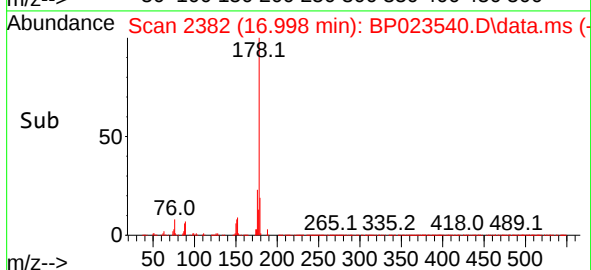
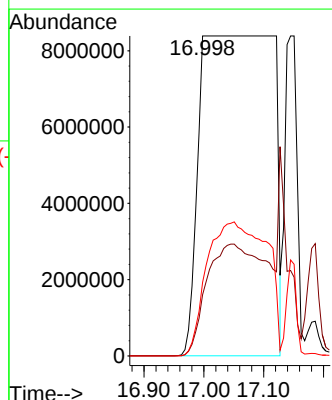
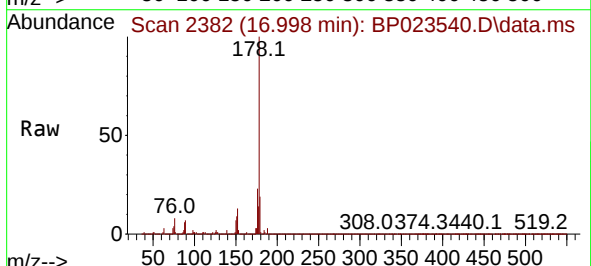
Manual Integrations
APPROVED

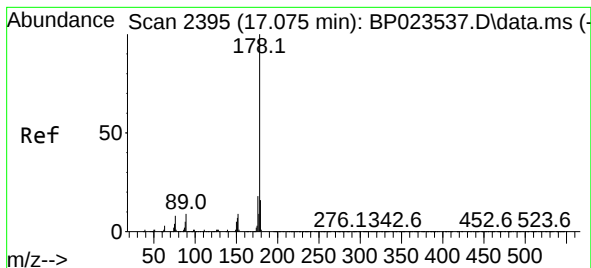
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/21/2024



#72
Phenanthrene
Concen: 1315.089 ng/ul m
RT: 16.998 min Scan# 2382
Delta R.T. -0.000 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

Tgt Ion:178 Resp:70180960
Ion Ratio Lower Upper
178 100
179 19.2 12.1 18.1#
176 23.0 15.4 23.0





#74

Anthracene

Concen: 204.320 ng/ul

RT: 17.145 min Scan# 2407

Delta R.T. 0.058 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

Instrument :

BNP_P

ClientSampleId :

E2903

Tgt Ion:178 Resp:1090266

Ion Ratio Lower Upper

178 100

179 26.7 12.3 18.5

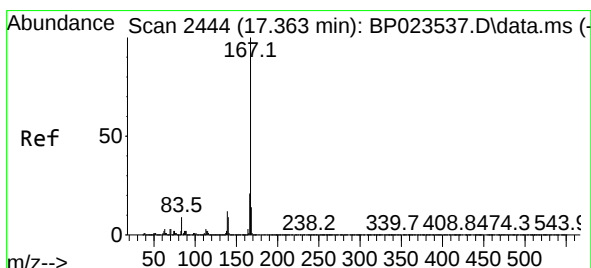
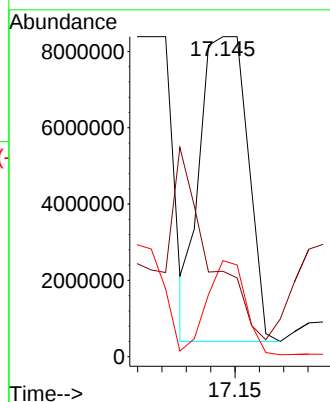
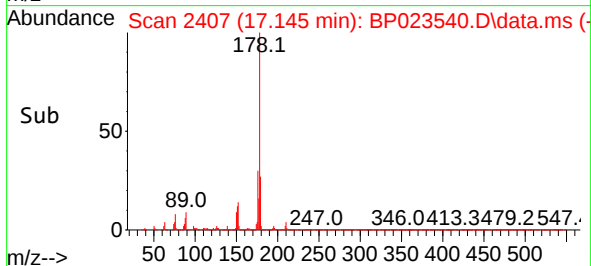
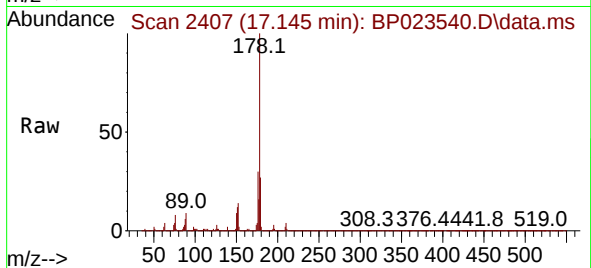
176 30.0 14.7 22.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/21/2024

Supervised By :mohammad ahmed 12/21/2024



#77

Carbazole

Concen: 467.322 ng/ul m

RT: 17.398 min Scan# 2450

Delta R.T. 0.017 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

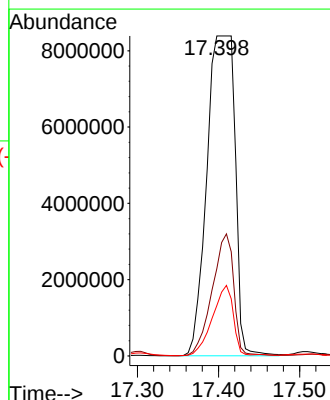
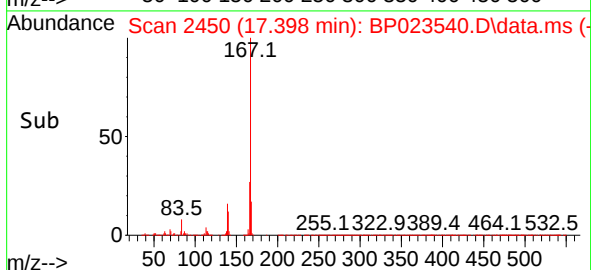
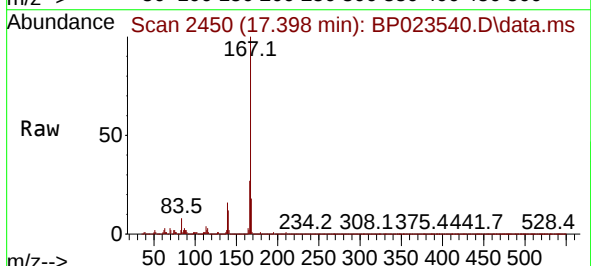
Tgt Ion:167 Resp:20316262

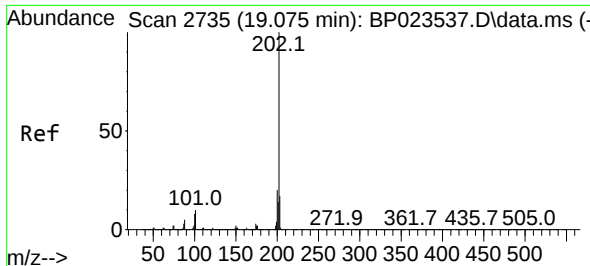
Ion Ratio Lower Upper

167 100

166 27.3 17.3 25.9#

139 15.7 10.3 15.5#





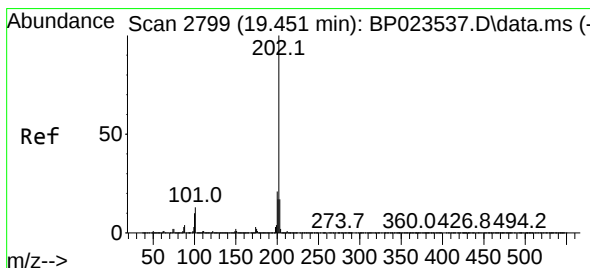
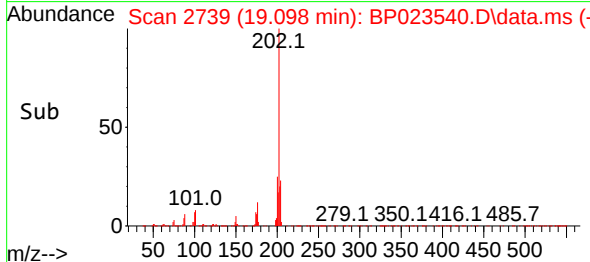
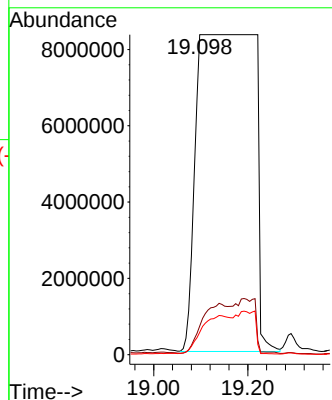
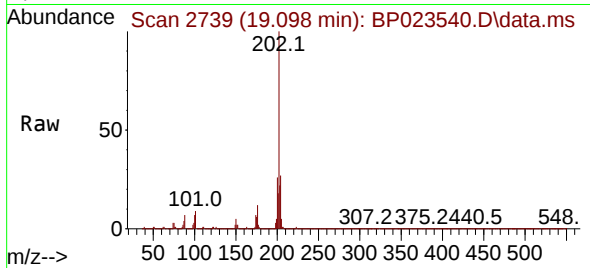
#80
Fluoranthene
Concen: 1259.192 ng/ul m
RT: 19.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

Instrument :
BNA_P
ClientSampleId :
E2903

Tgt Ion:202 Resp:7044016
Ion Ratio Lower Upper
202 100
101 9.0 5.6 8.4
100 7.0 4.6 7.0

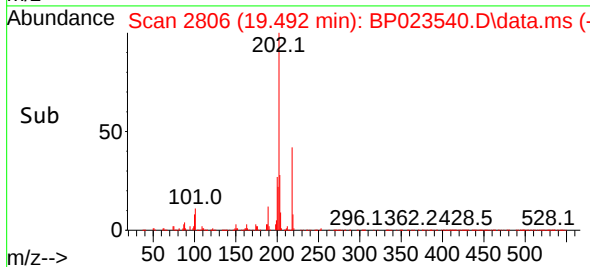
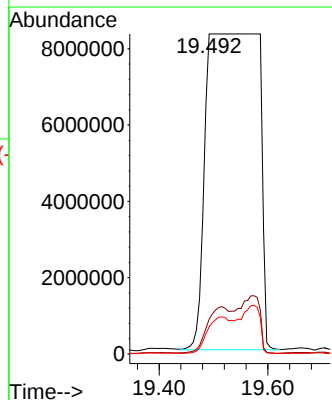
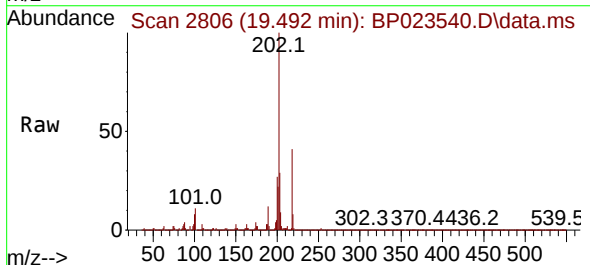
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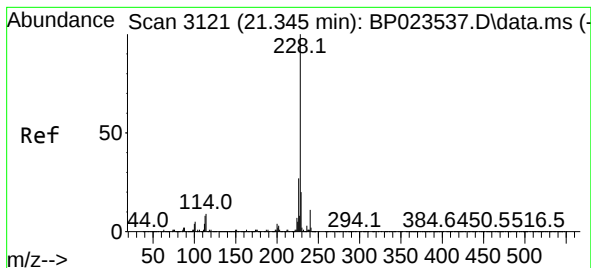
Reviewed By :Yogesh Patel 12/21/2024
Supervised By :mohammad ahmed 12/21/2024



#82
Pyrene
Concen: 929.958 ng/ul m
RT: 19.492 min Scan# 2806
Delta R.T. 0.017 min
Lab File: BP023540.D
Acq: 20 Dec 2024 00:04

Tgt Ion:202 Resp:55203920
Ion Ratio Lower Upper
202 100
101 10.9 6.7 10.1#
100 8.5 5.8 8.8





#85

Benzo(a)anthracene

Concen: 776.617 ng/ul m

RT: 21.386 min Scan# 3115

Delta R.T. 0.017 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

Instrument :

BNP_P

ClientSampleId :

E2903

Tgt Ion:228 Resp:4866283

Ion Ratio Lower Upper

228 100

229 31.9 15.7 23.5

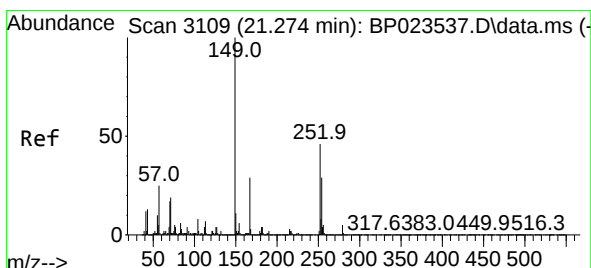
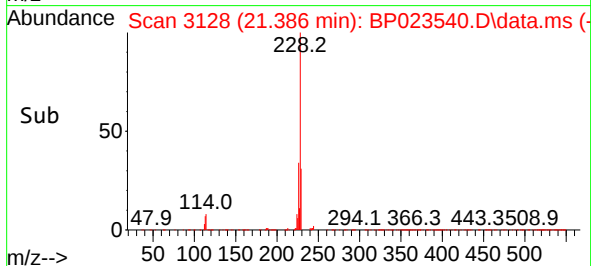
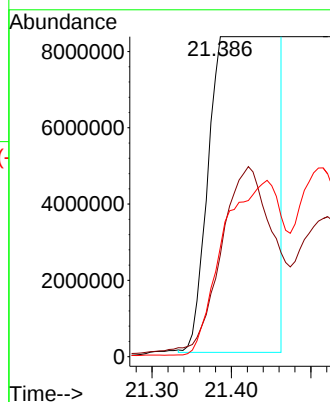
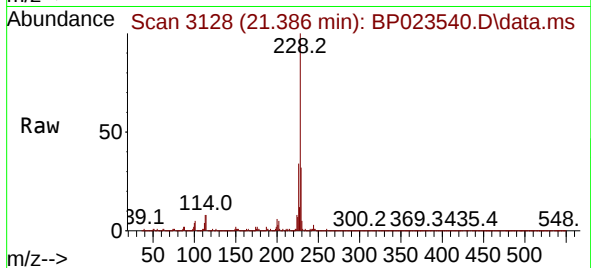
226 34.2 21.6 32.4

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: 30.661 ng/ul

RT: 21.309 min Scan# 3115

Delta R.T. 0.011 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

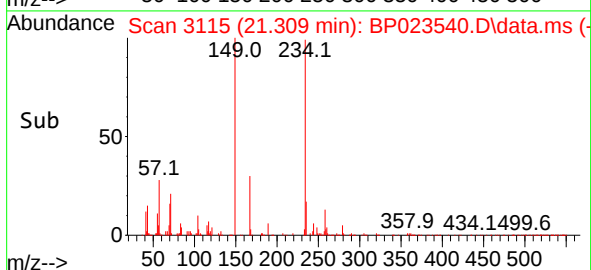
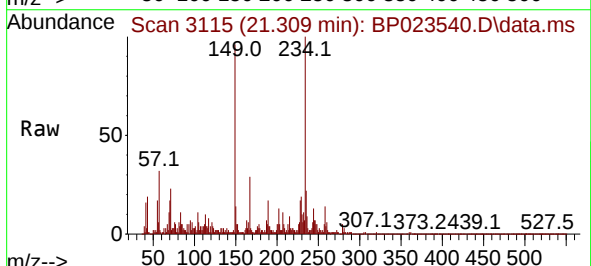
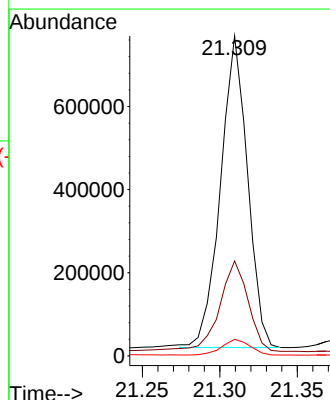
Tgt Ion:149 Resp: 905249

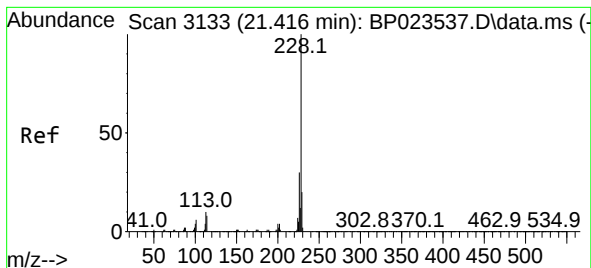
Ion Ratio Lower Upper

149 100

167 29.7 22.5 33.7

279 5.2 3.7 5.5





#87

Chrysene

Concen: 612.020 ng/ul m

RT: 21.468 min Scan# 3142

Delta R.T. 0.029 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

Instrument :

BNA_P

ClientSampleId :

E2903

Tgt Ion:228 Resp:3675022

Ion Ratio Lower Upper

228 100

226 39.5 24.2 36.2

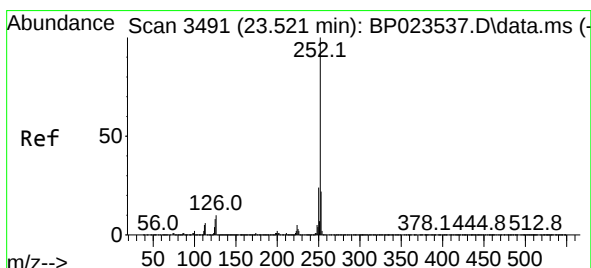
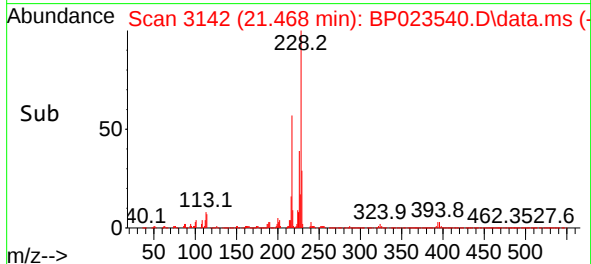
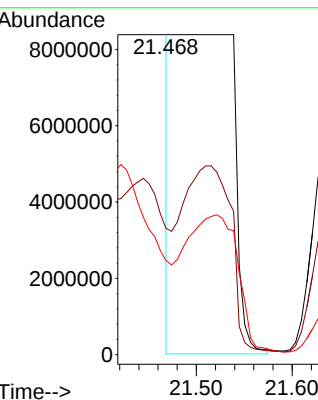
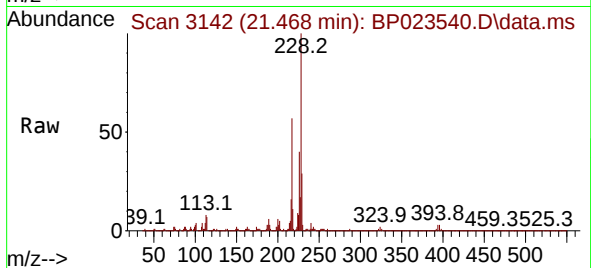
229 29.4 15.6 23.4

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: 568.154 ng/ul m

RT: 23.621 min Scan# 3508

Delta R.T. 0.064 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

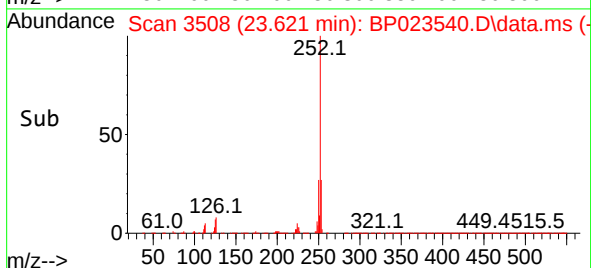
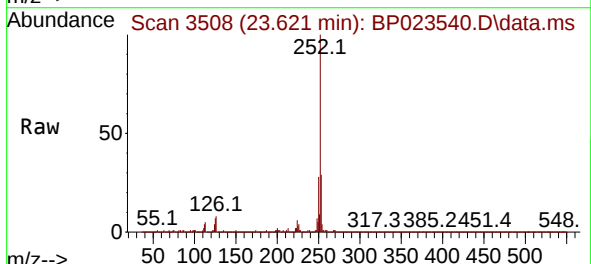
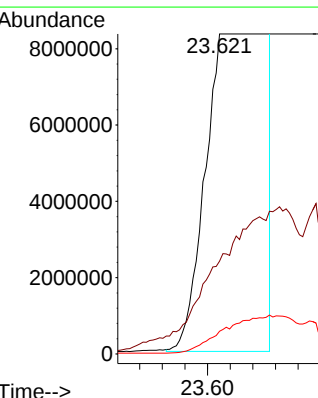
Tgt Ion:252 Resp:60966395

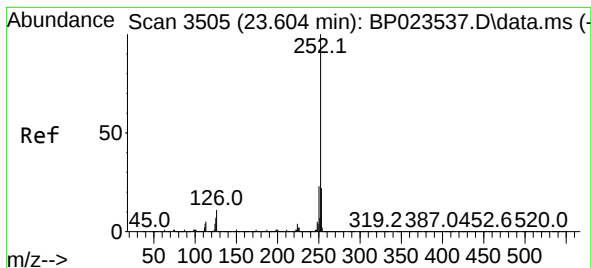
Ion Ratio Lower Upper

252 100

253 29.0 17.3 25.9#

125 7.1 4.4 6.6#





#91

Benzo(k)fluoranthene

Concen: 368.507 ng/ul m

RT: 23.721 min Scan# 3

Delta R.T. 0.100 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

Instrument :

BNA_P

ClientSampleId :

E2903

Tgt Ion:252 Resp:3934425

Ion Ratio Lower Upper

252 100

253 45.1 17.5 26.3

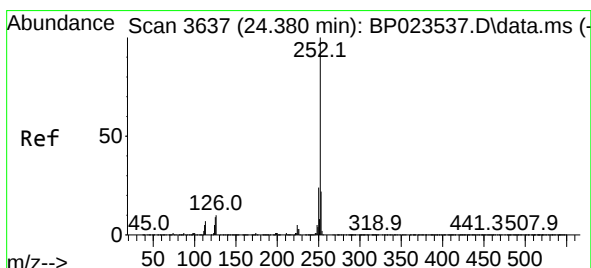
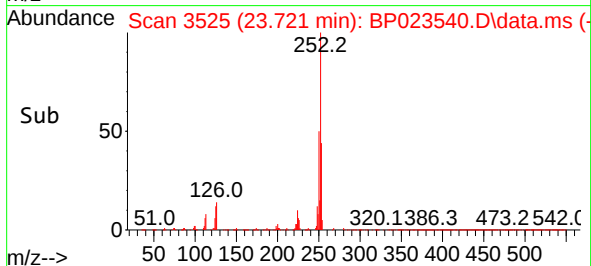
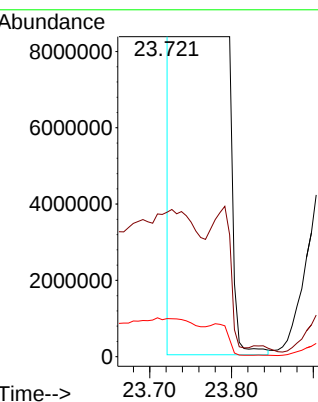
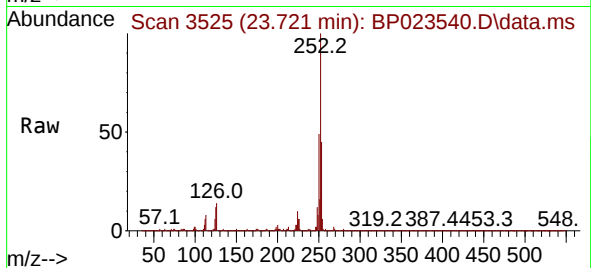
125 11.9 4.3 6.5

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: 536.262 ng/ul m

RT: 24.527 min Scan# 3662

Delta R.T. 0.117 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

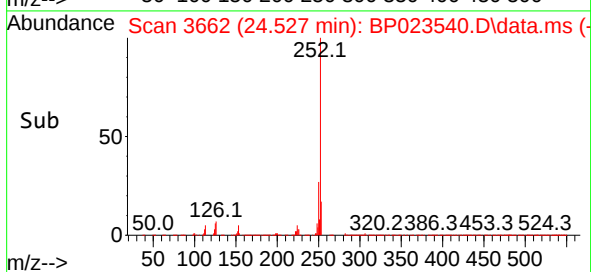
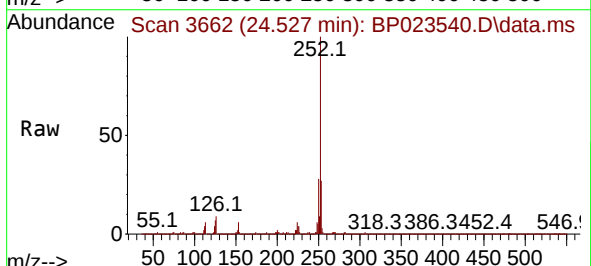
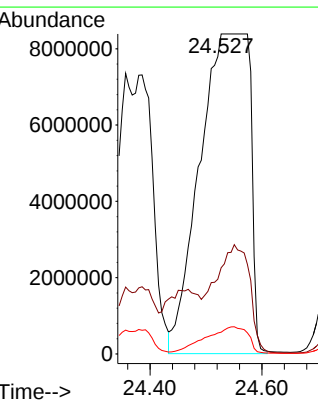
Tgt Ion:252 Resp:52174944

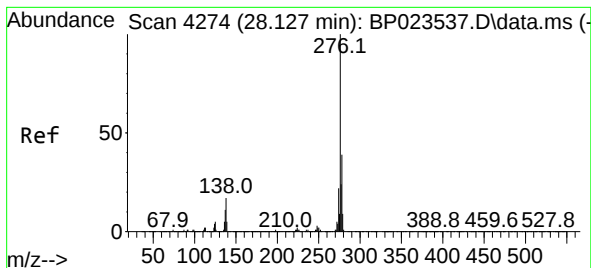
Ion Ratio Lower Upper

252 100

253 26.9 17.4 26.0

125 6.8 5.0 7.4





#94

Indeno(1,2,3-cd)pyrene

Concen: 491.261 ng/ul m

RT: 28.439 min Scan# 41

Delta R.T. 0.294 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

Instrument :

BNA_P

ClientSampleId :

E2903

Tgt Ion:276 Resp:6142288

Ion Ratio Lower Upper

276 100

138 12.4 7.8 11.6

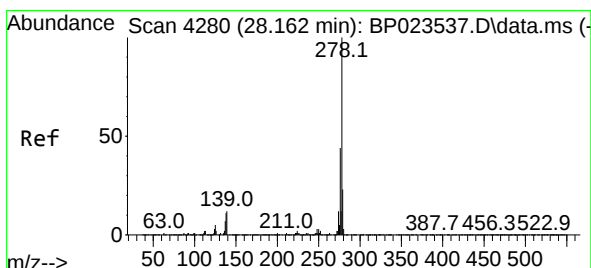
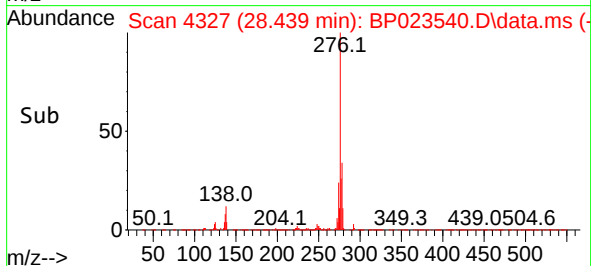
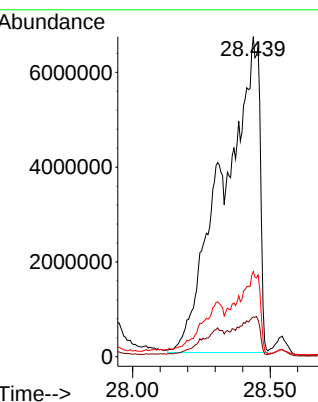
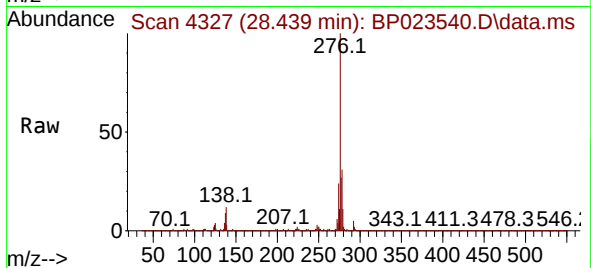
277 26.6 19.8 29.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/21/2024

Supervised By :mohammad ahmed 12/21/2024



#95

Dibenzo(a,h)anthracene

Concen: 182.976 ng/ul m

RT: 28.456 min Scan# 4330

Delta R.T. 0.241 min

Lab File: BP023540.D

Acq: 20 Dec 2024 00:04

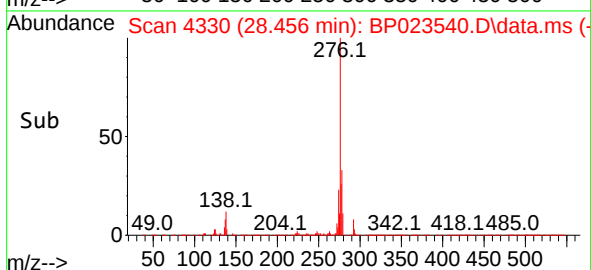
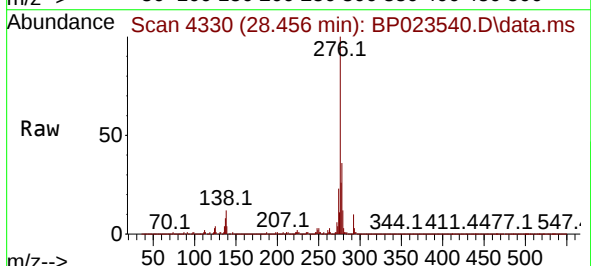
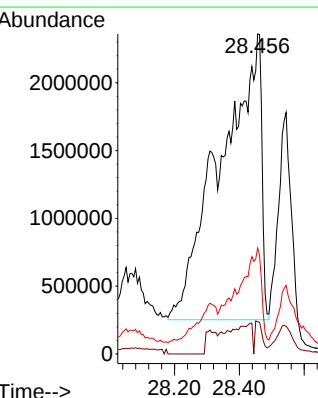
Tgt Ion:278 Resp:18308449

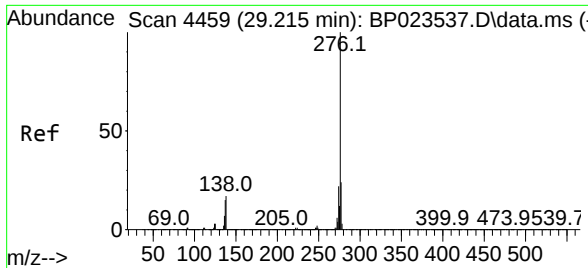
Ion Ratio Lower Upper

278 100

139 10.1 6.0 9.0#

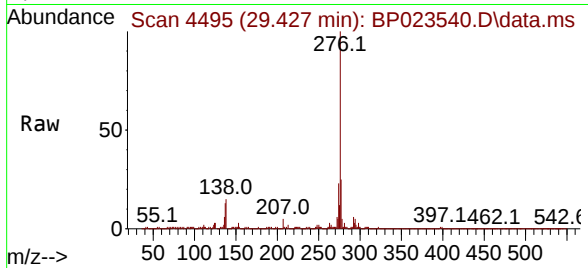
279 33.1 19.2 28.8#





#96
 Benzo(g,h,i)perylene
 Concen: 91.172 ng/ul m
 RT: 29.427 min Scan# 44
 Delta R.T. 0.176 min
 Lab File: BP023540.D
 Acq: 20 Dec 2024 00:04

Instrument :
 BNA_P
 ClientSampleId :
 E2903



Tgt Ion:276 Resp: 8727744
 Ion Ratio Lower Upper
 276 100
 138 14.6 8.5 12.7
 277 25.4 18.9 28.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2024
 Supervised By :mohammad ahmed 12/21/2024

