

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081722\
 Data File : BP011461.D
 Acq On : 17 Aug 2022 14:13
 Operator : CG/JU
 Sample : N4173-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EX7Q8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/18/2022
 Supervised By :Sohil Jodhani 08/18/2022

Quant Time: Aug 17 23:27:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 17 01:58:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.557	152	116691	20.000	ng/u1	0.00
20) Naphthalene-d8	10.345	136	514401	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.234	164	305700	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.016	188	577286	20.000	ng/u1	0.01
79) Chrysene-d12	21.174	240	686780	20.000	ng/u1	0.04
88) Perylene-d12	23.486	264	629783m	20.000	ng/u1	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.069	96	11907	3.166	ng/uL	0.00
4) Pyridine-d5	3.481	84	80044	8.314	ng/u1	0.00
7) Phenol-d5	6.746	99	249497	23.267	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.904	67	150098	21.545	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	199168	25.253	ng/u1	0.00
15) 4-Methylphenol-d8	8.281	113	204724	23.852	ng/u1	0.00
21) Nitrobenzene-d5	8.722	128	95398	25.760	ng/u1	0.00
24) 2-Nitrophenol-d4	9.440	143	97305	25.817	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.975	165	178565	25.667	ng/u1	0.00
31) 4-Chloroaniline-d4	10.498	131	257131m	22.203	ng/u1	0.00
46) Dimethylphthalate-d6	13.657	166	553316	25.591	ng/u1	0.00
49) Acenaphthylene-d8	13.922	160	648369	26.981	ng/u1	0.00
54) 4-Nitrophenol-d4	14.469	143	66504	15.964	ng/u1	0.00
60) Fluorene-d10	15.239	176	479947	26.385	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.398	200	19779	6.341	ng/u1	0.03
73) Anthracene-d10	17.122	188	757286	29.619	ng/u1	0.02
81) Pyrene-d10	19.386	212	840138	24.178	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.351	264	851829m	27.806	ng/u1	0.07
Target Compounds						
					Qvalue	
8) Phenol	6.775	94	36911m	3.350	ng/u1	
13) 2-Methylphenol	8.016	108	18560	2.286	ng/u1	98
18) 4-Methylphenol	8.346	108	48669	5.415	ng/u1	96
26) 2,4-Dimethylphenol	9.546	107	24545m	2.404	ng/u1	
30) Naphthalene	10.404	128	6779500	249.608	ng/u1	99
36) 2-Methylnaphthalene	12.028	142	1177931	66.660	ng/u1	98
37) 1-Methylnaphthalene	12.245	142	873396	48.732	ng/u1	97
43) 1,1'-Biphenyl	13.057	154	512835	22.514	ng/u1	98
50) Acenaphthylene	13.957	152	3456233	121.064	ng/u1	99
52) Acenaphthene	14.298	153	273020	14.278	ng/u1	94
56) Dibenzofuran	14.639	168	3172917	120.328	ng/u1	99
61) Fluorene	15.298	166	1784339	82.714	ng/u1	99
72) Phenanthrene	17.069	178	23364531m	747.747	ng/u1	
74) Anthracene	17.157	178	6023035	191.063	ng/u1	99
77) Carbazole	17.427	167	2149708	72.500	ng/u1	99
80) Fluoranthene	19.063	202	30369559m	710.706	ng/u1	
82) Pyrene	19.421	202	28314189m	630.613	ng/u1	
85) Benzo(a)anthracene	21.145	228	22807818m	545.090	ng/u1	
87) Chrysene	21.204	228	18746186m	456.078	ng/u1	
90) Benzo(b)fluoranthene	22.804	252	37470099m	956.474	ng/u1	
91) Benzo(k)fluoranthene	22.857	252	9724112m	260.109	ng/u1	
93) Benzo(a)pyrene	23.427	252	22311347m	583.348	ng/u1	
94) Indeno(1,2,3-cd)pyrene	25.962	276	19628217m	460.104	ng/u1	
95) Dibenzo(a,h)anthracene	25.939	278	4846922m	131.950	ng/u1	

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

96) Benzo(g,h,i)perylene	26.698	276	14389598m	396.537	ng/ul	

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

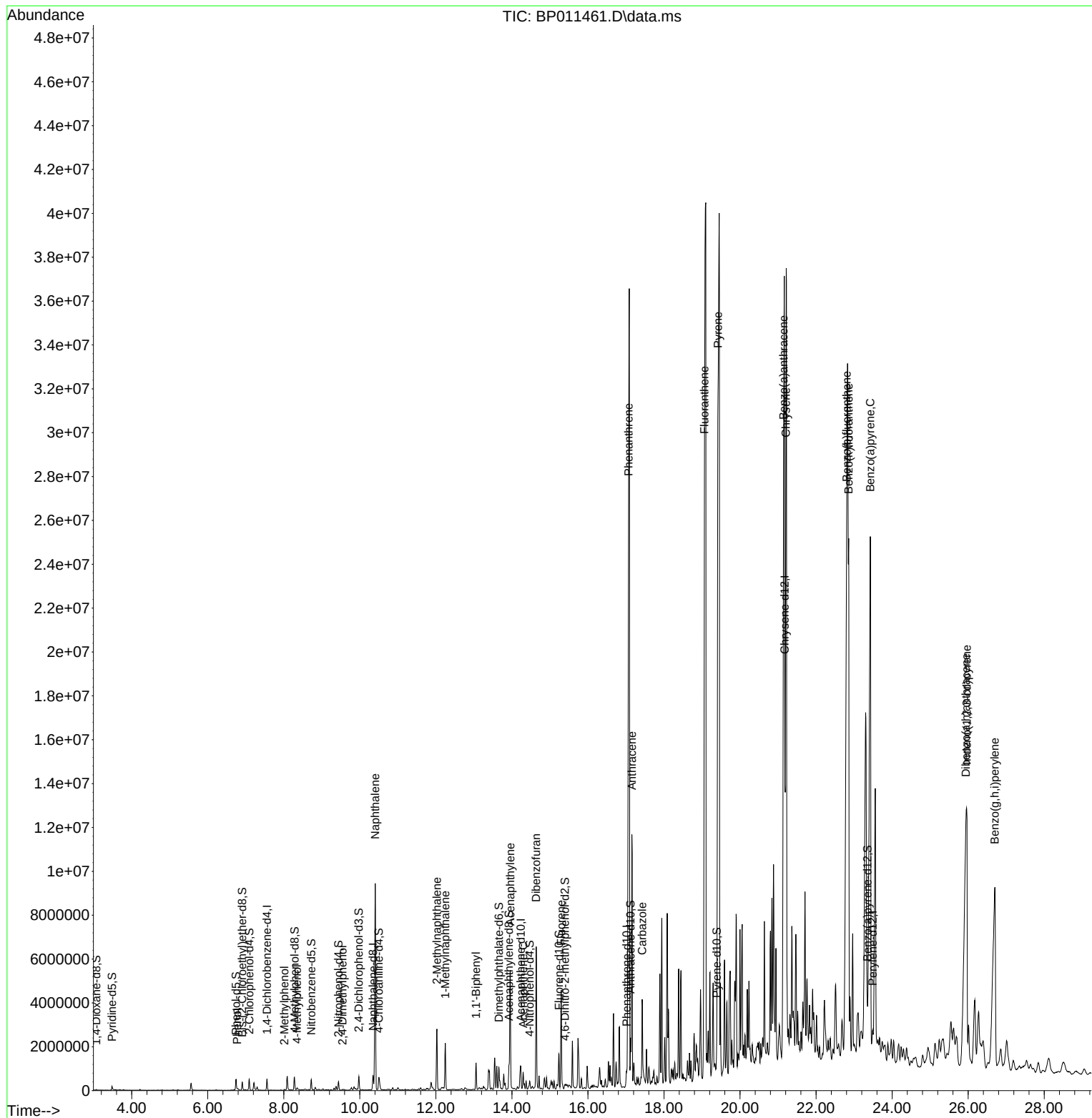
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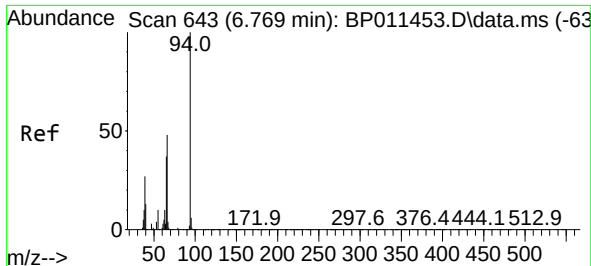
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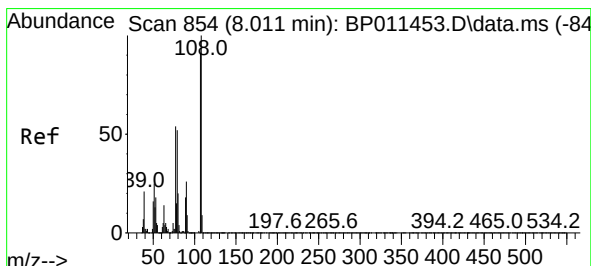
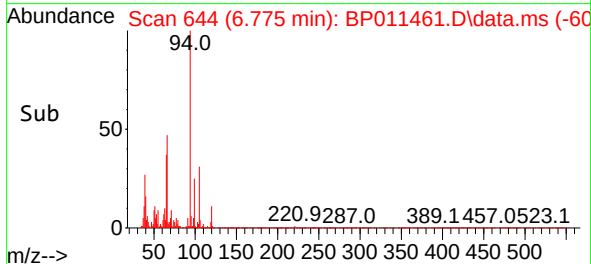
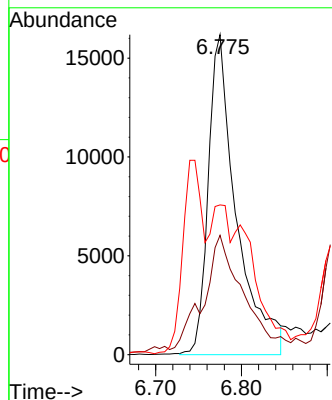
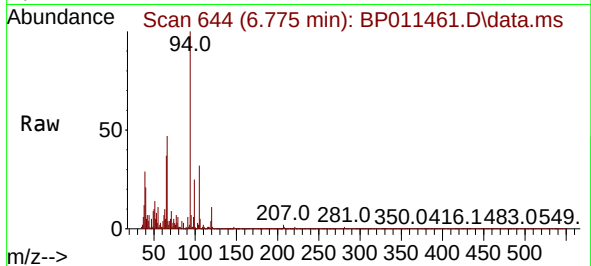
#8
Phenol
Concen: 3.350 ng/ul m
RT: 6.775 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP011461.D
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ClientSampleId :
EX7Q8

Tgt Ion: 94 Resp: 3691
Ion Ratio Lower Upper
94 100
65 37.3 28.9 43.3
66 46.8 39.4 59.0

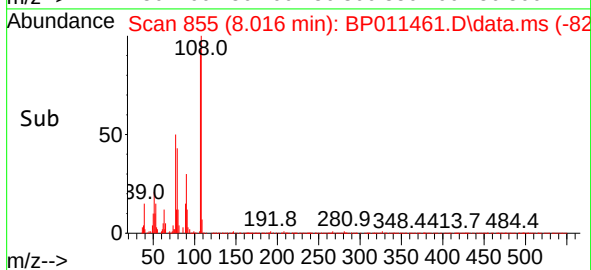
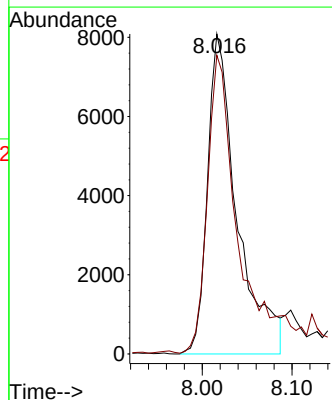
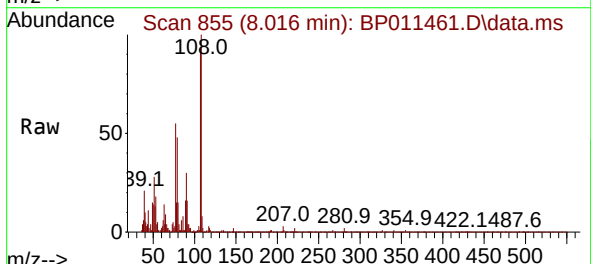
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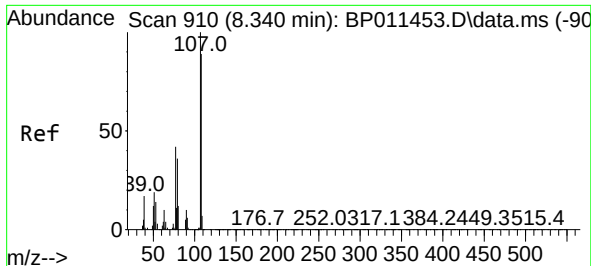
Reviewed By :Jagrut Upadhyay 08/18/2022
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#13
2-Methylphenol
Concen: 2.286 ng/ul
RT: 8.016 min Scan# 855
Delta R.T. -0.000 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

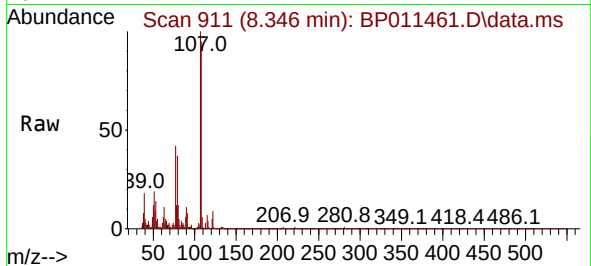
Tgt Ion:108 Resp: 18560
Ion Ratio Lower Upper
108 100
107 93.4 73.2 109.8





#18
4-Methylphenol
Concen: 5.415 ng/ul
RT: 8.346 min Scan# 910
Delta R.T. -0.000 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

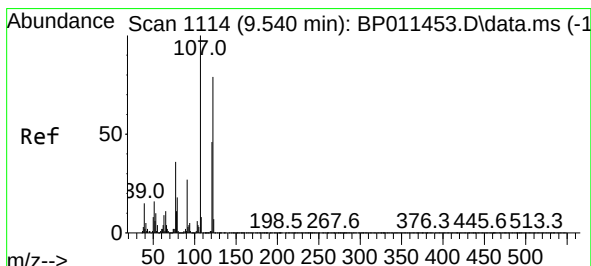
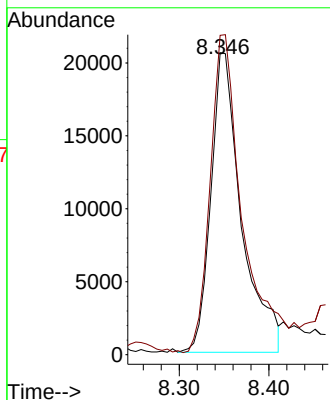
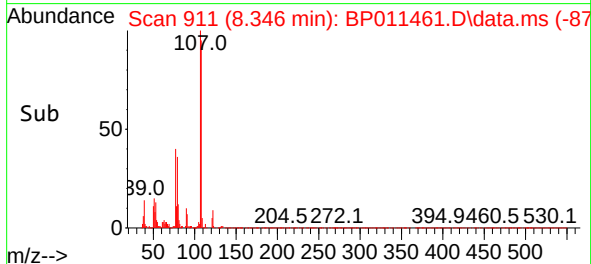
Instrument :
BNA_P
ClientSampleId :
EX7Q8



Tgt Ion:108 Resp: 48669
Ion Ratio Lower Upper
108 100
107 105.8 87.7 131.5

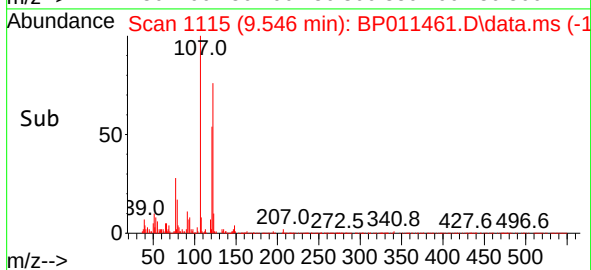
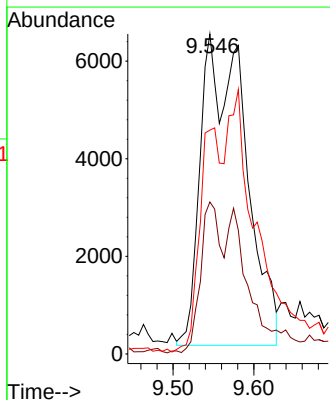
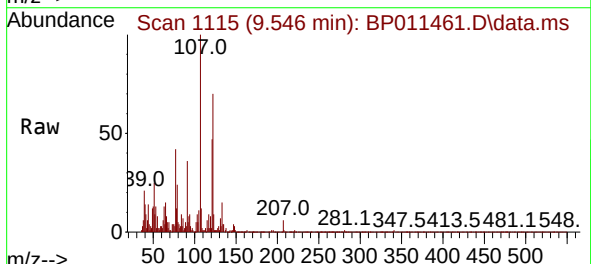
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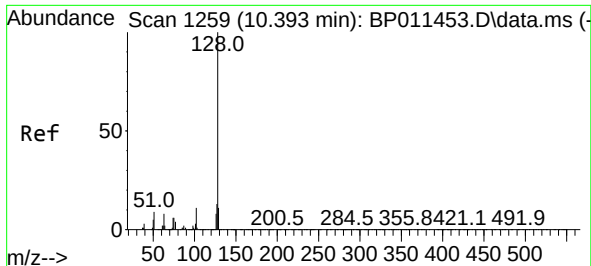
Reviewed By :Jagrut Upadhyay 08/18/2022
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#26
2,4-Dimethylphenol
Concen: 2.404 ng/ul m
RT: 9.546 min Scan# 1115
Delta R.T. 0.006 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

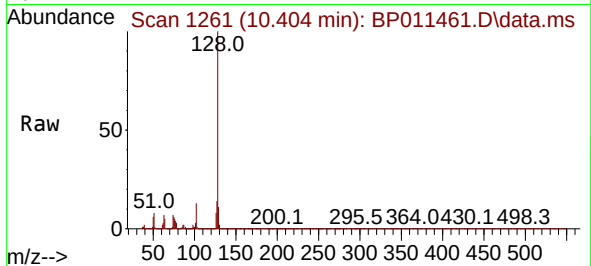
Tgt Ion:107 Resp: 24545
Ion Ratio Lower Upper
107 100
121 47.5 36.6 55.0
122 70.0 58.7 88.1





#30
Naphthalene
Concen: 249.608 ng/ul
RT: 10.404 min Scan# 1261
Delta R.T. 0.006 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

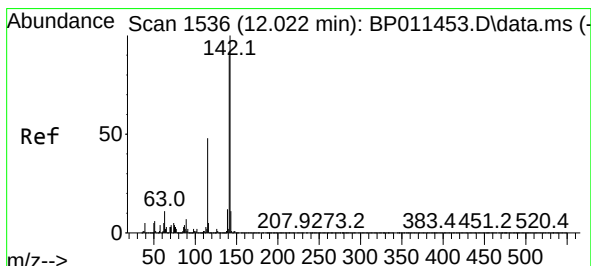
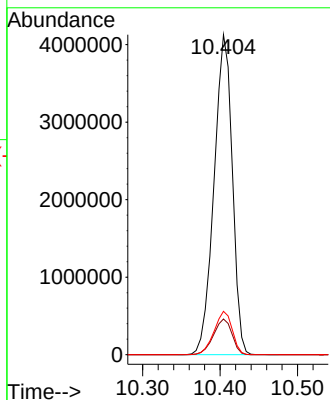
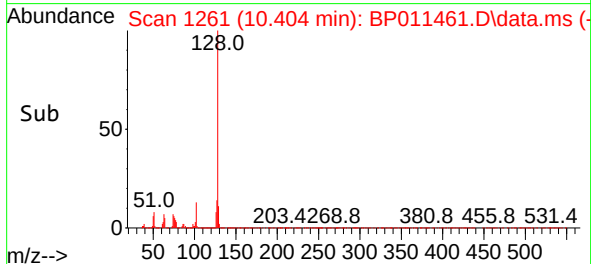
Instrument :
BNA_P
ClientSampleId :
EX7Q8



Tgt Ion:128 Resp: 6779500
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.6 10.3 15.5

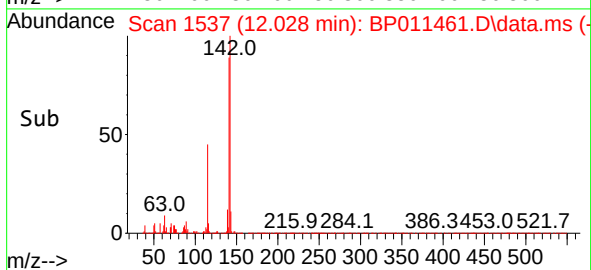
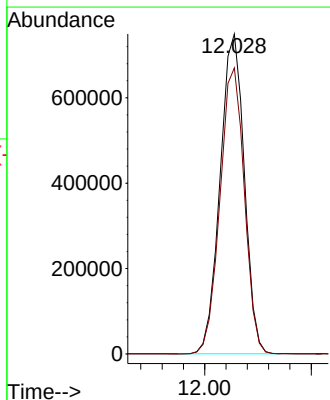
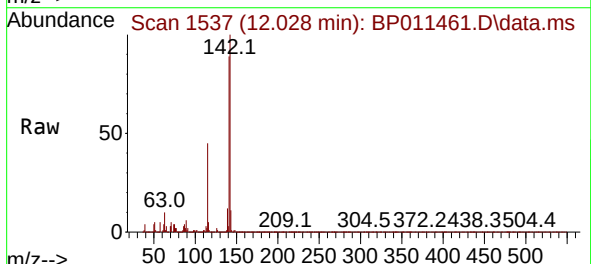
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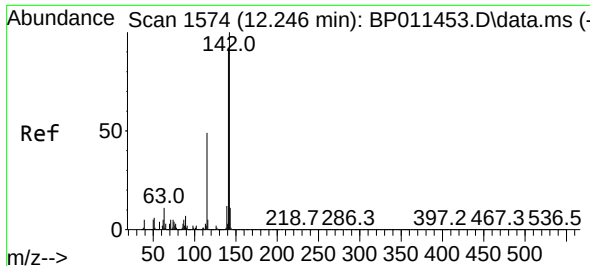
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#36
2-Methylnaphthalene
Concen: 66.660 ng/ul
RT: 12.028 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

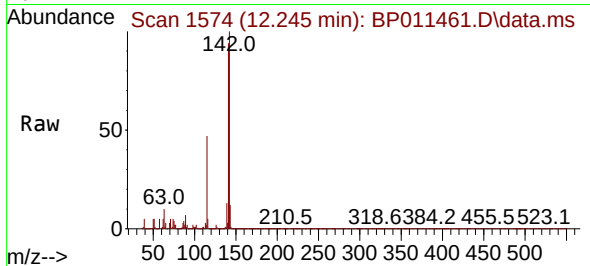
Tgt Ion:142 Resp: 1177931
Ion Ratio Lower Upper
142 100
141 89.4 73.4 110.0





#37
1-Methylnaphthalene
Concen: 48.732 ng/ul
RT: 12.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

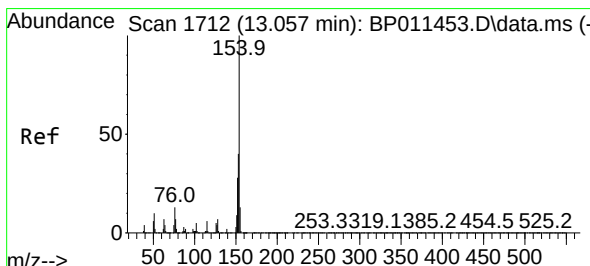
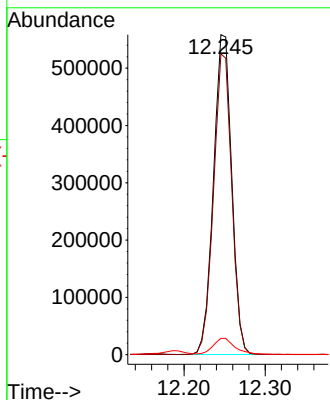
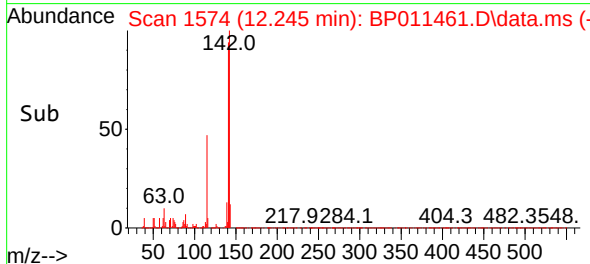
Instrument :
BNA_P
ClientSampleId :
EX7Q8



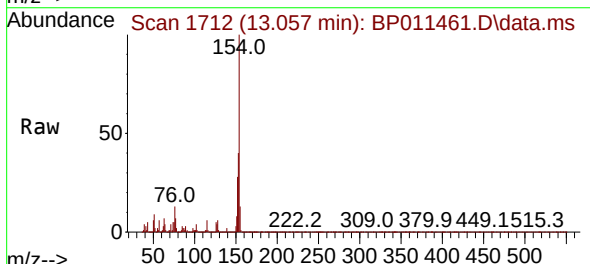
Tgt Ion:142 Resp: 873390
Ion Ratio Lower Upper
142 100
141 94.0 73.0 109.6
116 5.1 4.0 6.0

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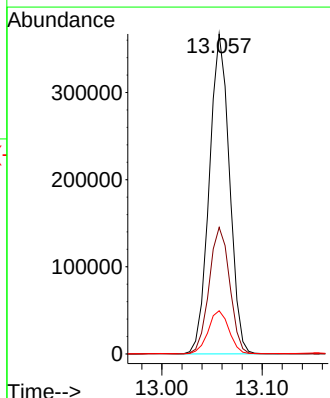
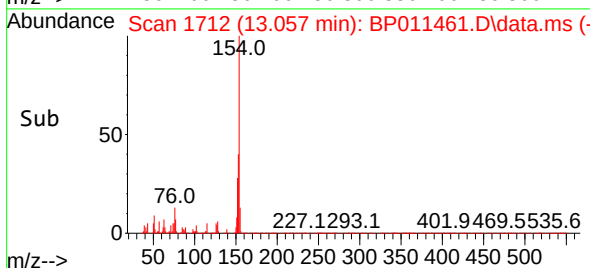
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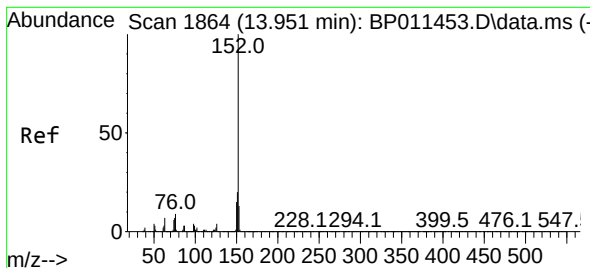


#43
1,1'-Biphenyl
Concen: 22.514 ng/ul
RT: 13.057 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13



Tgt Ion:154 Resp: 512835
Ion Ratio Lower Upper
154 100
153 39.5 32.2 48.4
76 13.5 11.6 17.4





#50

Acenaphthylene

Concen: 121.064 ng/ul

RT: 13.957 min Scan# 1864

Delta R.T. 0.006 min

Lab File: BP011461.D

Acq: 17 Aug 2022 14:13

Instrument :

BNP_P

ClientSampleId :

EX7Q8

Tgt Ion:152 Resp: 345623

Ion Ratio Lower Upper

152 100

151 20.3 16.9 25.3

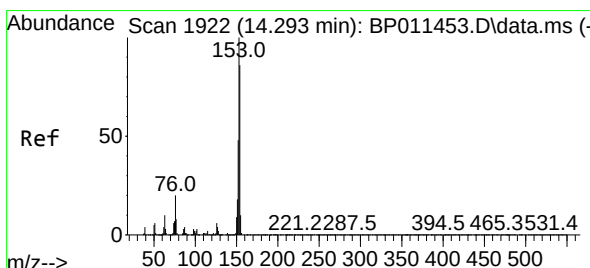
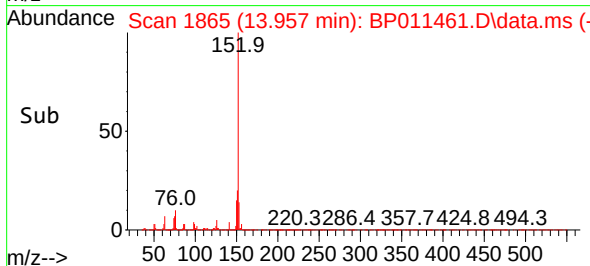
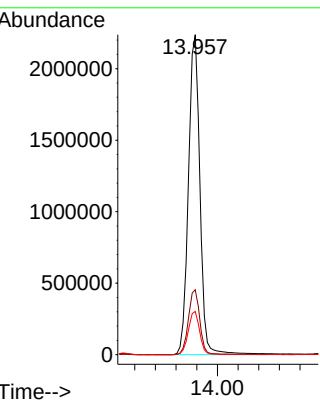
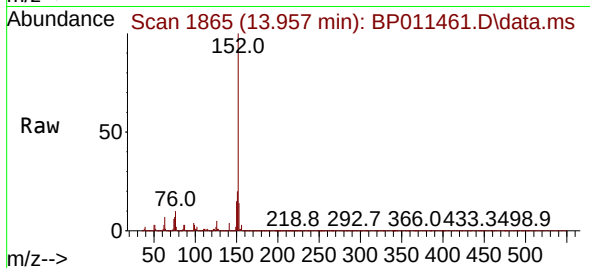
153 13.5 10.6 15.8

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#52

Acenaphthene

Concen: 14.278 ng/ul

RT: 14.298 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BP011461.D

Acq: 17 Aug 2022 14:13

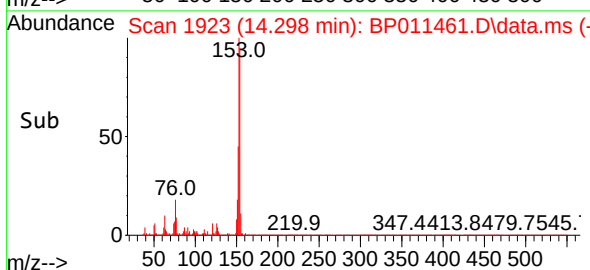
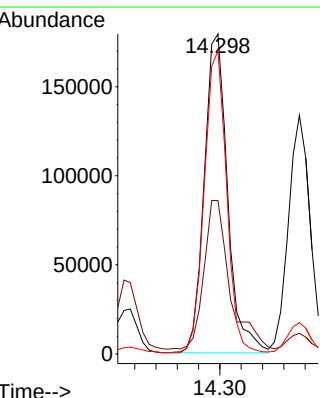
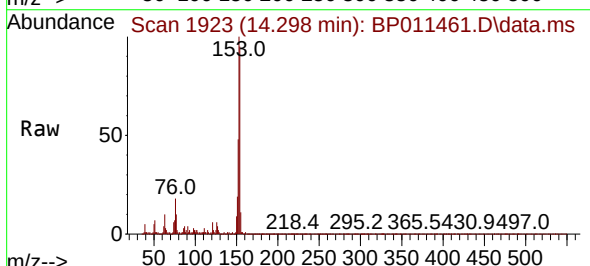
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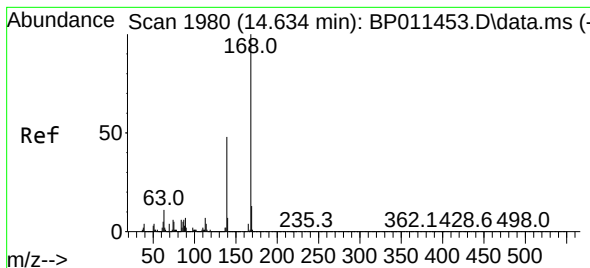
Ion Ratio Lower Upper

153 100

152 47.9 37.7 56.5

154 94.7 69.4 104.0





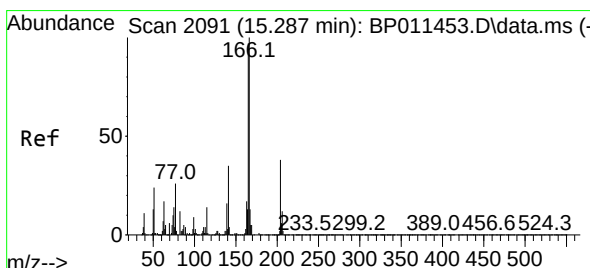
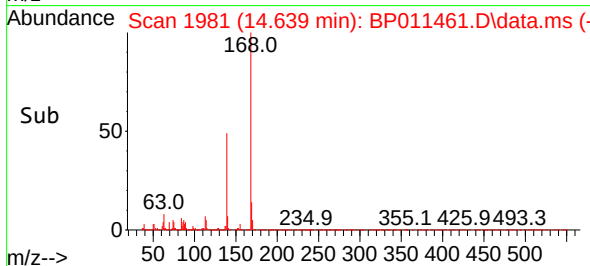
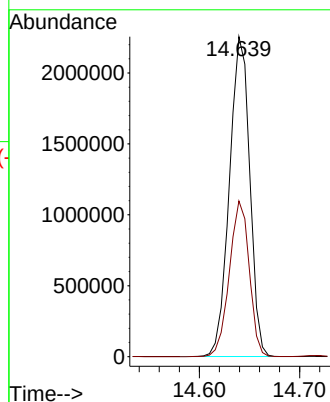
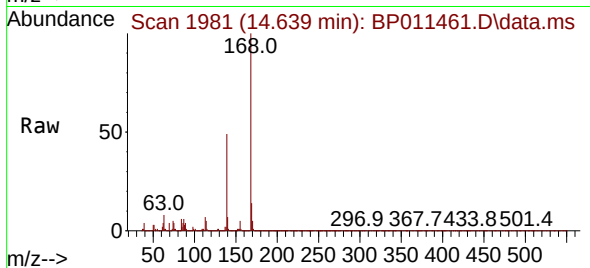
#56
Dibenzenofuran
Concen: 120.328 ng/ul
RT: 14.639 min Scan# 1980
Delta R.T. -0.000 min
Lab File: BP011461.D
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Instrument :
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ClientSampleId :
EX7Q8

Tgt Ion:168 Resp: 317291
Ion Ratio Lower Upper
168 100
139 48.6 38.4 57.6

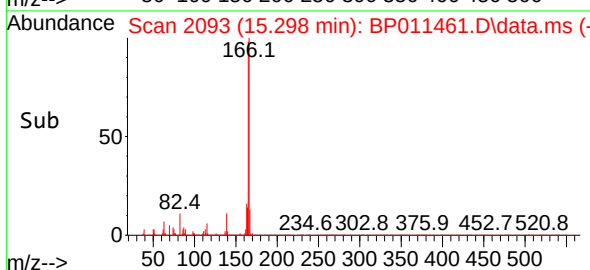
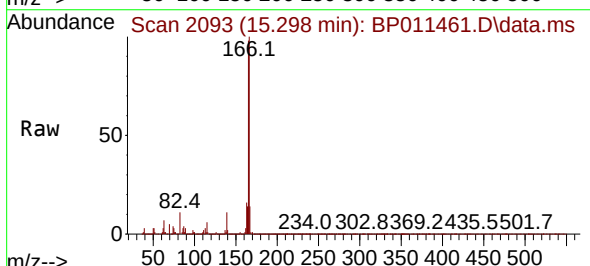
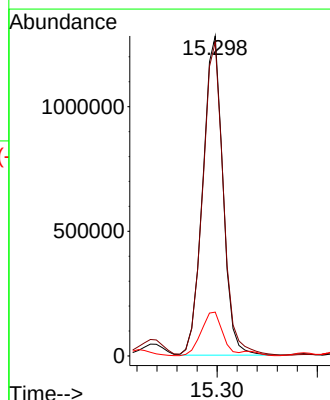
Manual Integrations
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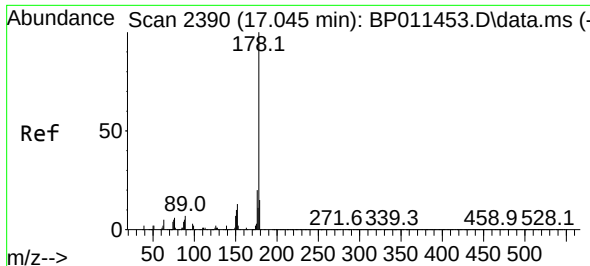
Reviewed By :Jagrut Upadhyay 08/18/2022
Supervised By :Sohil Jodhani 08/18/2022



#61
Fluorene
Concen: 82.714 ng/ul
RT: 15.298 min Scan# 2093
Delta R.T. 0.006 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

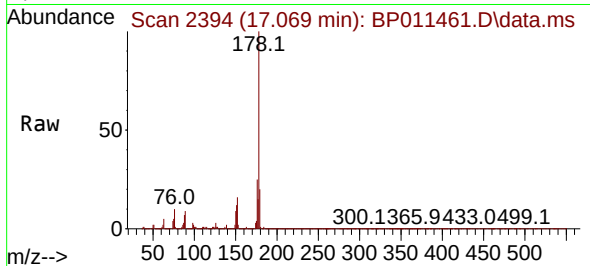
Tgt Ion:166 Resp: 1784339
Ion Ratio Lower Upper
166 100
165 98.0 78.2 117.2
167 13.7 10.3 15.5





#72
Phenanthrene
Concen: 747.747 ng/ul m
RT: 17.069 min Scan# 21
Delta R.T. 0.023 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

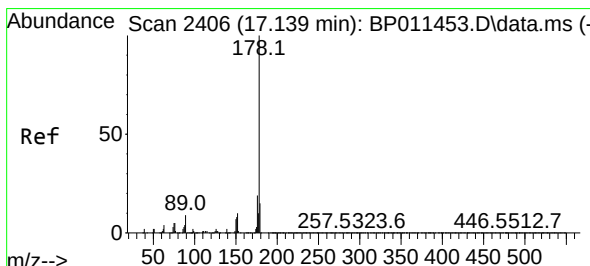
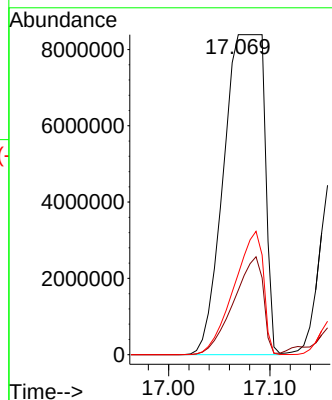
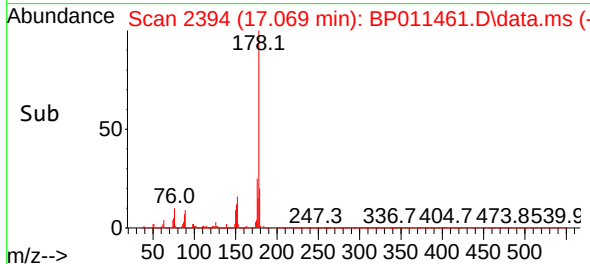
Instrument :
BNA_P
ClientSampleId :
EX7Q8



Tgt Ion:178 Resp:2336453
Ion Ratio Lower Upper
178 100
179 20.2 12.6 18.8
176 25.3 15.8 23.8

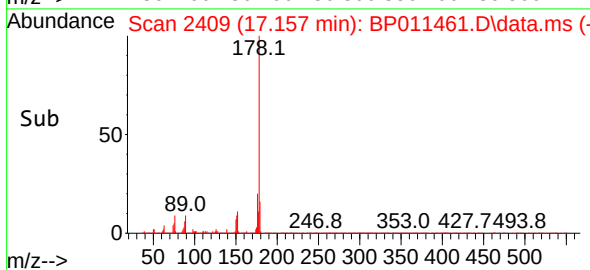
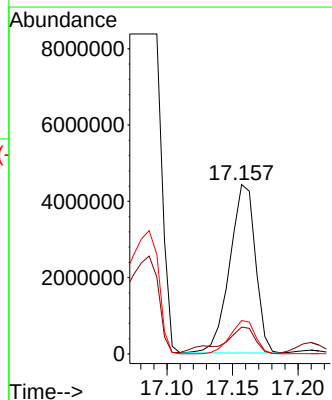
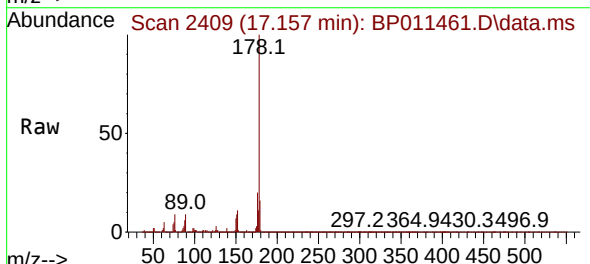
Manual Integrations
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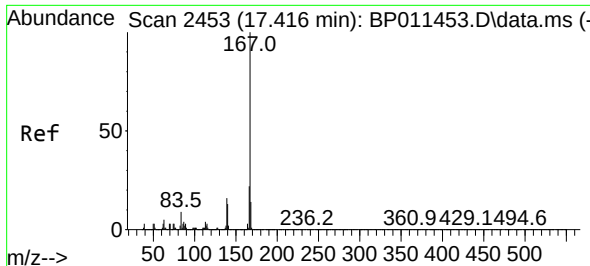
Reviewed By :Jagrut Upadhyay 08/18/2022
Supervised By :Sohil Jodhani 08/18/2022



#74
Anthracene
Concen: 191.063 ng/ul
RT: 17.157 min Scan# 2409
Delta R.T. 0.017 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

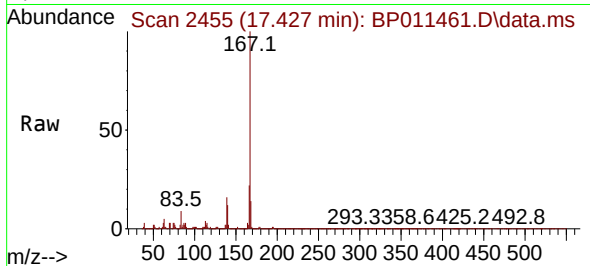
Tgt Ion:178 Resp: 6023035
Ion Ratio Lower Upper
178 100
179 15.9 12.2 18.2
176 19.7 15.4 23.0





#77
 Carbazole
 Concen: 72.500 ng/ul
 RT: 17.427 min Scan# 2453
 Delta R.T. 0.006 min
 Lab File: BP011461.D
 Acq: 17 Aug 2022 14:13

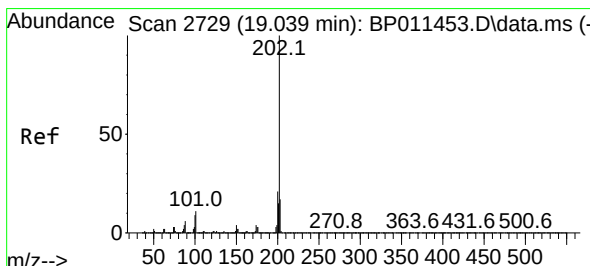
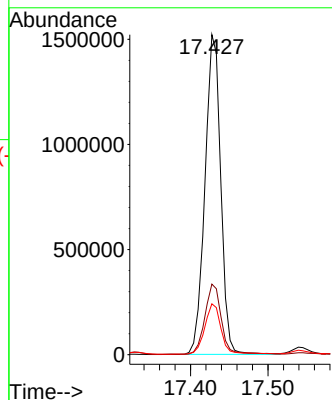
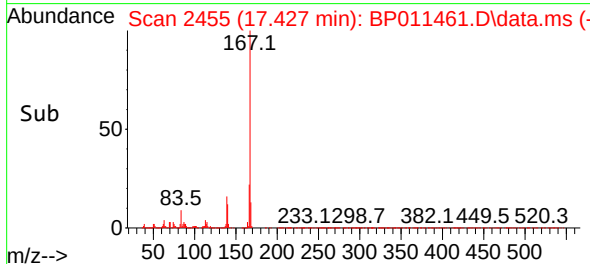
Instrument :
 BNA_P
 ClientSampleId :
 EX7Q8



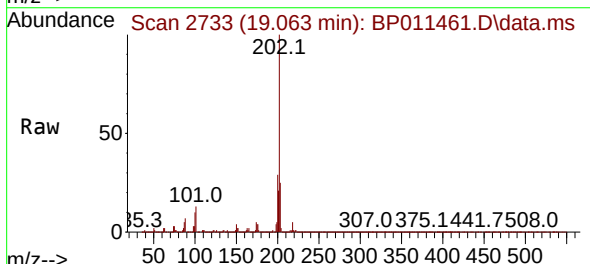
Tgt Ion:167 Resp: 2149708
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.5 26.3
 139 15.9 12.1 18.1

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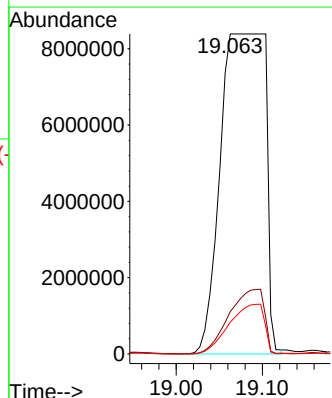
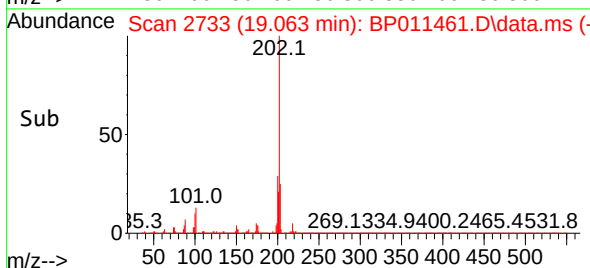
Reviewed By :Jagrut Upadhyay 08/18/2022
 Supervised By :Sohil Jodhani 08/18/2022

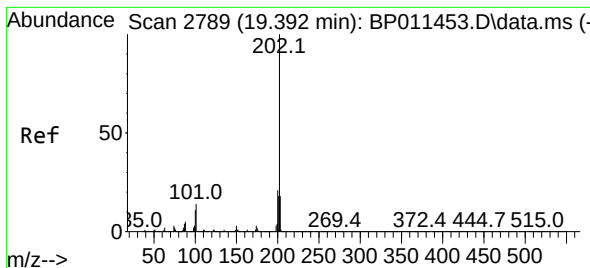


#80
 Fluoranthene
 Concen: 710.706 ng/ul m
 RT: 19.063 min Scan# 2733
 Delta R.T. 0.023 min
 Lab File: BP011461.D
 Acq: 17 Aug 2022 14:13



Tgt Ion:202 Resp:30369559
 Ion Ratio Lower Upper
 202 100
 101 13.3 9.5 14.3
 100 10.0 7.9 11.9





#82

Pyrene

Concen: 630.613 ng/ul m

RT: 19.421 min Scan# 21

Delta R.T. 0.029 min

Lab File: BP011461.D

Acq: 17 Aug 2022 14:13

Instrument :

BNA_P

ClientSampleId :

EX7Q8

Tgt Ion:202 Resp:28314189

Ion Ratio Lower Upper

202 100

101 14.7 11.4 17.2

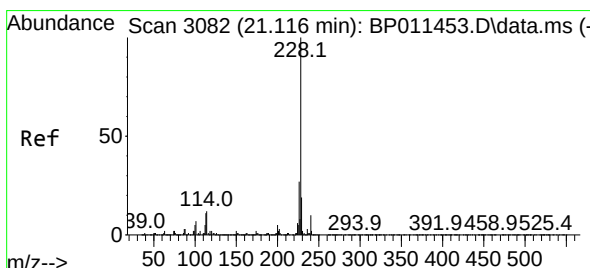
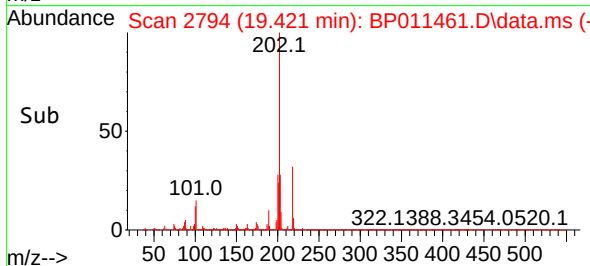
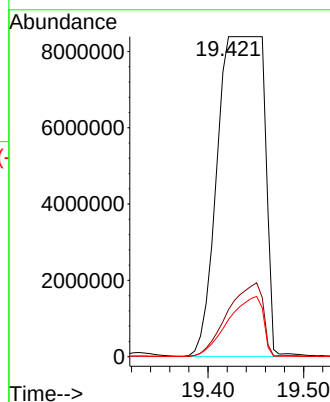
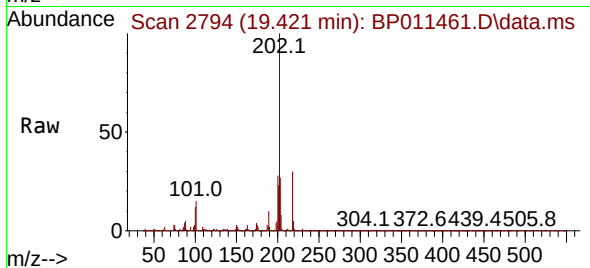
100 11.6 9.4 14.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/18/2022

Supervised By :Sohil Jodhani 08/18/2022



#85

Benzo(a)anthracene

Concen: 545.090 ng/ul m

RT: 21.145 min Scan# 3087

Delta R.T. 0.029 min

Lab File: BP011461.D

Acq: 17 Aug 2022 14:13

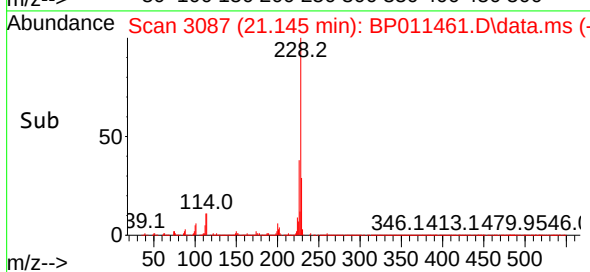
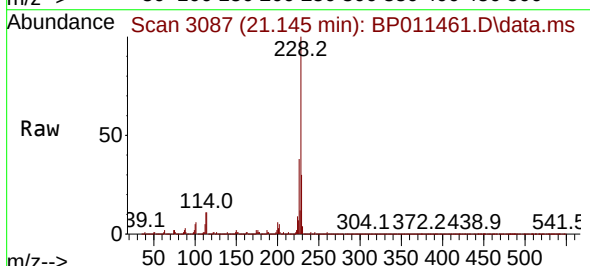
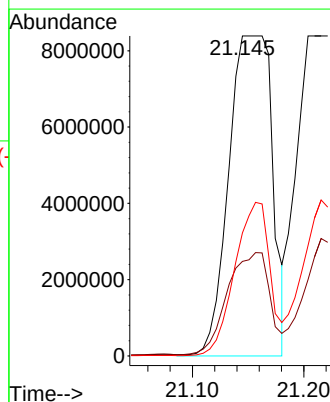
Tgt Ion:228 Resp:22807818

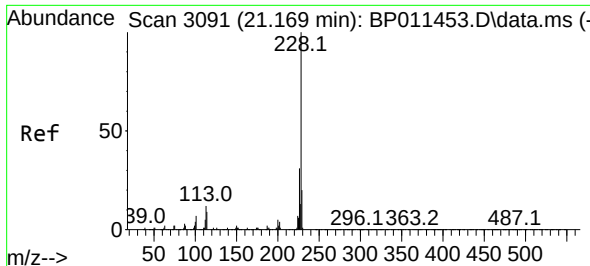
Ion Ratio Lower Upper

228 100

229 29.6 16.0 24.0#

226 38.4 22.6 33.8#





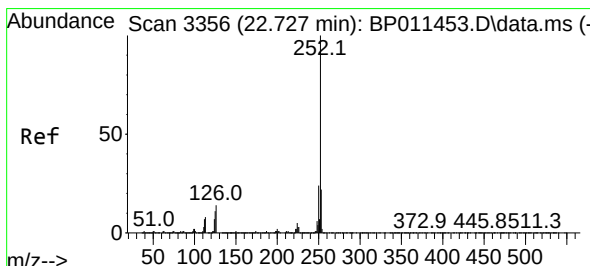
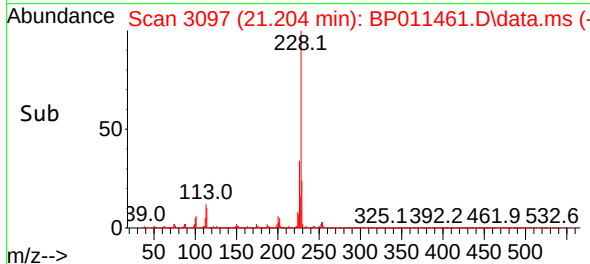
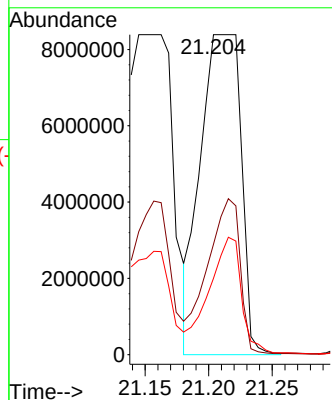
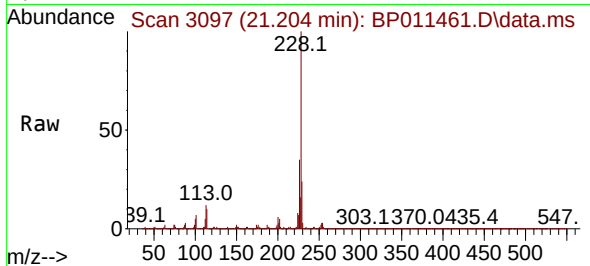
#87
Chrysene
Concen: 456.078 ng/ul m
RT: 21.204 min Scan# 3097
Delta R.T. 0.035 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

Instrument :
BNA_P
ClientSampleId :
EX7Q8

Tgt Ion:228 Resp:1874618
Ion Ratio Lower Upper
228 100
226 34.5 23.9 35.9
229 23.8 16.0 24.0

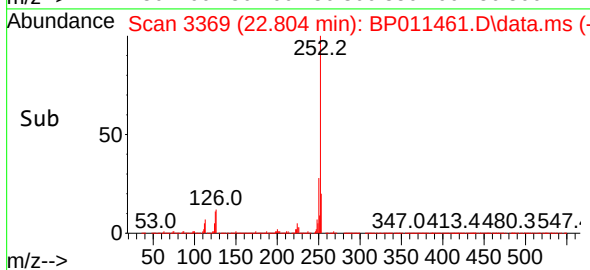
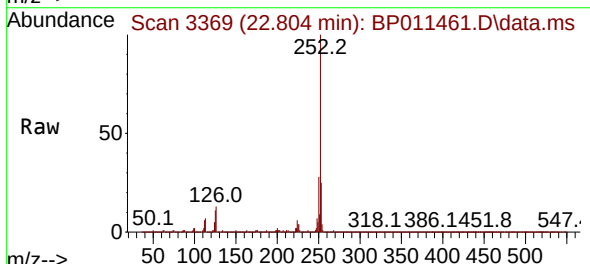
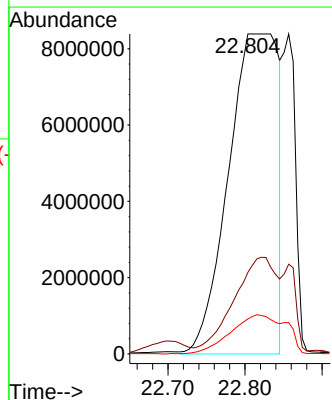
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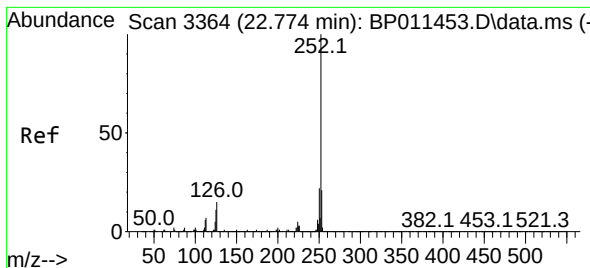
Reviewed By :Jagrut Upadhyay 08/18/2022
Supervised By :Sohil Jodhani 08/18/2022



#90
Benzo(b)fluoranthene
Concen: 956.474 ng/ul m
RT: 22.804 min Scan# 3369
Delta R.T. 0.076 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

Tgt Ion:252 Resp:37470099
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 10.9 9.0 13.4





#91

Benzo(k)fluoranthene

Concen: 260.109 ng/ul m

RT: 22.857 min Scan# 3364

Delta R.T. 0.082 min

Lab File: BP011461.D

Acq: 17 Aug 2022 14:13

Instrument :

BNA_P

ClientSampleId :

EX7Q8

Tgt Ion:252 Resp: 972411

Ion Ratio Lower Upper

252 100

253 28.0 17.9 26.9

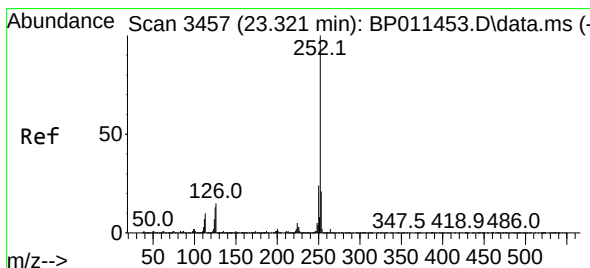
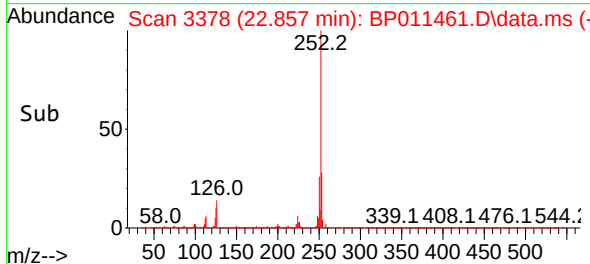
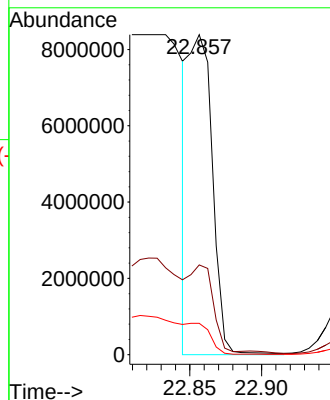
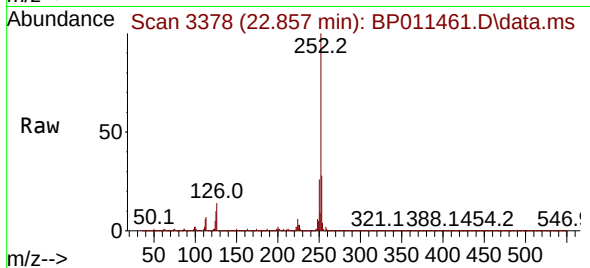
125 9.8 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/18/2022

Supervised By :Sohil Jodhani 08/18/2022



#93

Benzo(a)pyrene

Concen: 583.348 ng/ul m

RT: 23.427 min Scan# 3475

Delta R.T. 0.100 min

Lab File: BP011461.D

Acq: 17 Aug 2022 14:13

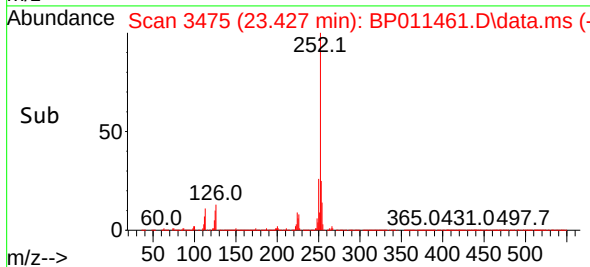
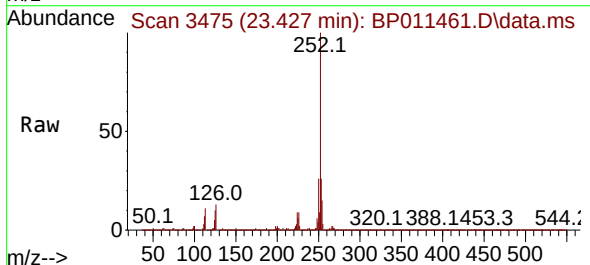
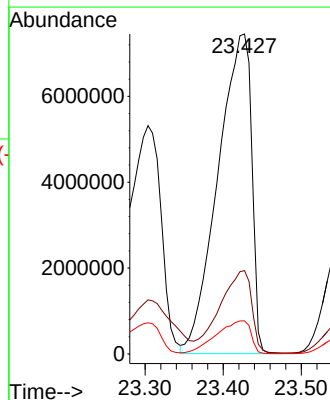
Tgt Ion:252 Resp:22311347

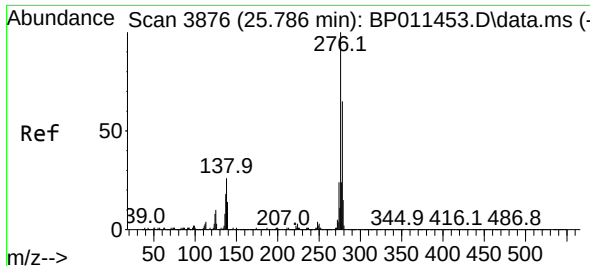
Ion Ratio Lower Upper

252 100

253 26.0 16.8 25.2

125 10.3 9.9 14.9





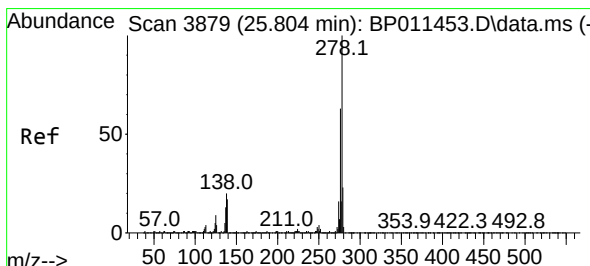
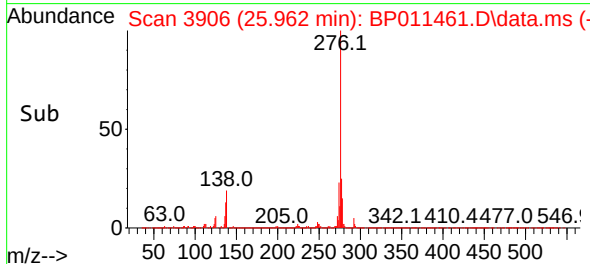
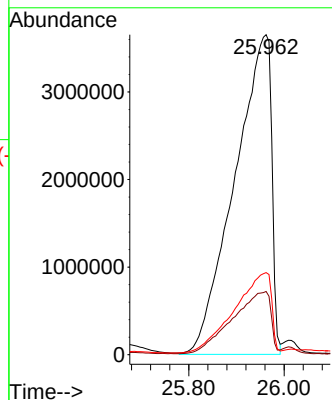
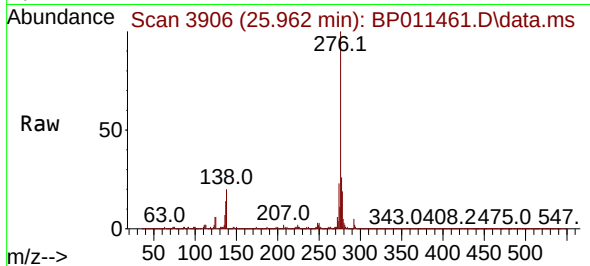
#94
Indeno(1,2,3-cd)pyrene
Concen: 460.104 ng/ul m
RT: 25.962 min Scan# 3906
Delta R.T. 0.176 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

Instrument :
BNA_P
ClientSampleId :
EX7Q8

Tgt Ion:276 Resp:1962821
Ion Ratio Lower Upper
276 100
138 19.8 20.2 30.4
277 25.6 20.1 30.1

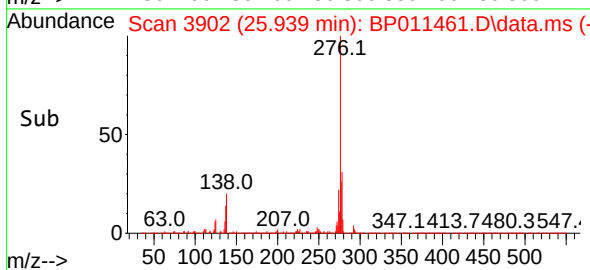
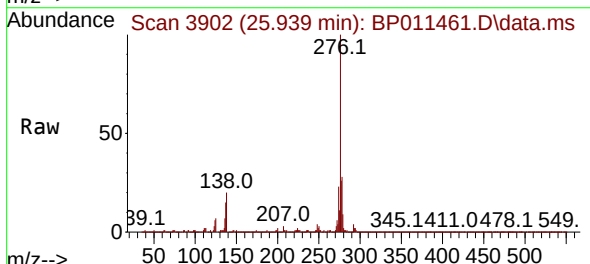
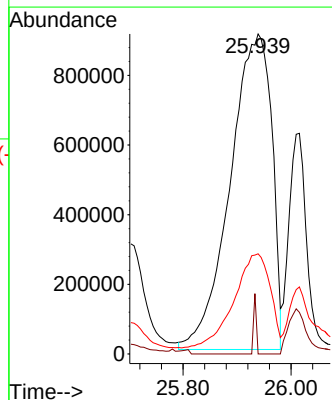
Manual Integrations
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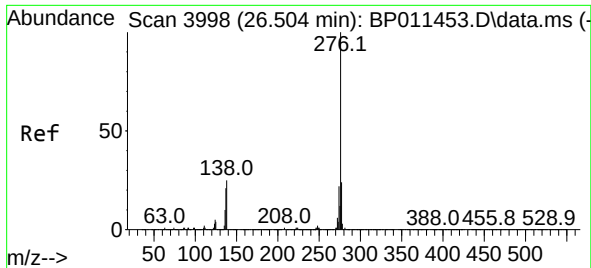
Reviewed By :Jagrut Upadhyay 08/18/2022
Supervised By :Sohil Jodhani 08/18/2022



#95
Dibenzo(a,h)anthracene
Concen: 131.950 ng/ul m
RT: 25.939 min Scan# 3902
Delta R.T. 0.135 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

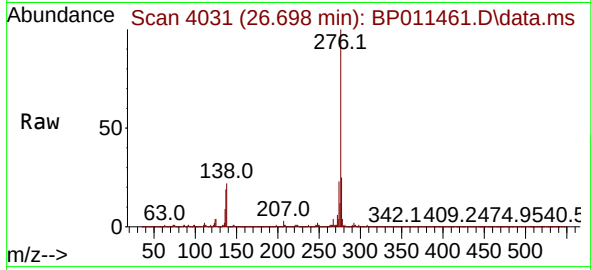
Tgt Ion:278 Resp: 4846922
Ion Ratio Lower Upper
278 100
139 0.0 15.4 23.0#
279 31.3 19.3 28.9#





#96
Benzo(g,h,i)perylene
Concen: 396.537 ng/ul m
RT: 26.698 min Scan# 40
Delta R.T. 0.188 min
Lab File: BP011461.D
Acq: 17 Aug 2022 14:13

Instrument :
BNA_P
ClientSampleId :
EX7Q8



Tgt Ion:276 Resp:14389598
Ion Ratio Lower Upper
276 100
138 21.8 19.4 29.2
277 24.8 19.1 28.7

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/18/2022
Supervised By :Sohil Jodhani 08/18/2022

