

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062724\
 Data File : BP020706.D
 Acq On : 29 Jun 2024 00:51
 Operator : MA/JU
 Sample : P2897-14
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0T61

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/29/2024
 Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 29 01:27:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 25 18:30:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	205739	20.000	ng/u1	0.00
20) Naphthalene-d8	10.546	136	788260	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.387	164	583927	20.000	ng/u1	0.02
64) Phenanthrene-d10	17.204	188	895482	20.000	ng/u1	0.02
79) Chrysene-d12	21.663	240	661226	20.000	ng/u1	0.02
88) Perylene-d12	25.015	264	834414	20.000	ng/u1	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	21582	4.505	ng/uL	0.00
4) Pyridine-d5	3.693	84	74486	5.334	ng/u1	0.00
7) Phenol-d5	6.922	99	460981	27.318	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.087	67	295035	27.579	ng/u1	0.00
11) 2-Chlorophenol-d4	7.281	132	396871	28.777	ng/u1	0.00
15) 4-Methylphenol-d8	8.446	113	382608	27.917	ng/u1	0.00
21) Nitrobenzene-d5	8.893	128	212734	36.554	ng/u1	0.00
24) 2-Nitrophenol-d4	9.610	143	226883	38.957	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.151	165	392410	32.710	ng/u1	0.01
31) 4-Chloroaniline-d4	10.663	131	359253	21.369	ng/u1	0.01
46) Dimethylphthalate-d6	13.792	166	1238979	30.517	ng/u1	0.01
49) Acenaphthylene-d8	14.081	160	1357428	28.020	ng/u1	0.02
54) 4-Nitrophenol-d4	14.604	143	137800	22.214	ng/u1	0.01
60) Fluorene-d10	15.398	176	941625	27.562	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.551	200	30099m	6.670	ng/u1	0.05
73) Anthracene-d10	17.304	188	1311209	32.626	ng/u1	0.02
81) Pyrene-d10	19.686	212	1079234	27.168	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.798	264	892002	21.976	ng/u1	0.04
Target Compounds						
					Qvalue	
30) Naphthalene	10.587	128	41376394m	980.695	ng/u1	
36) 2-Methylnaphthalene	12.216	142	27012116	955.766	ng/u1	99
37) 1-Methylnaphthalene	12.440	142	17149409	593.574	ng/u1	99
43) 1,1'-Biphenyl	13.204	154	5251312	120.250	ng/u1	98
50) Acenaphthylene	14.110	152	4375234	79.952	ng/u1#	90
52) Acenaphthene	14.469	153	12459503	343.228	ng/u1	98
56) Dibenzofuran	14.787	168	1513493	30.941	ng/u1	94
61) Fluorene	15.463	166	9923178	252.484	ng/u1	98
72) Phenanthrene	17.251	178	25191311m	537.216	ng/u1	
74) Anthracene	17.345	178	10415647	215.936	ng/u1	97
77) Carbazole	17.616	167	251204	6.310	ng/u1#	79
80) Fluoranthene	19.345	202	12213565	251.708	ng/u1	98
82) Pyrene	19.727	202	14298273	287.323	ng/u1	99
85) Benzo(a)anthracene	21.639	228	6938844m	149.716	ng/u1	
87) Chrysene	21.716	228	5823517	132.934	ng/u1	97
90) Benzo(b)fluoranthene	23.968	252	4598983m	90.979	ng/u1	
91) Benzo(k)fluoranthene	24.021	252	1435919m	28.082	ng/u1	
93) Benzo(a)pyrene	24.868	252	3230904	67.708	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.851	276	1571315	25.672	ng/u1	98
95) Dibenzo(a,h)anthracene	28.915	278	660188m	13.124	ng/u1	
96) Benzo(g,h,i)perylene	30.015	276	244150m	4.886	ng/u1	

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

Instrument :
BNA_P
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C0T61

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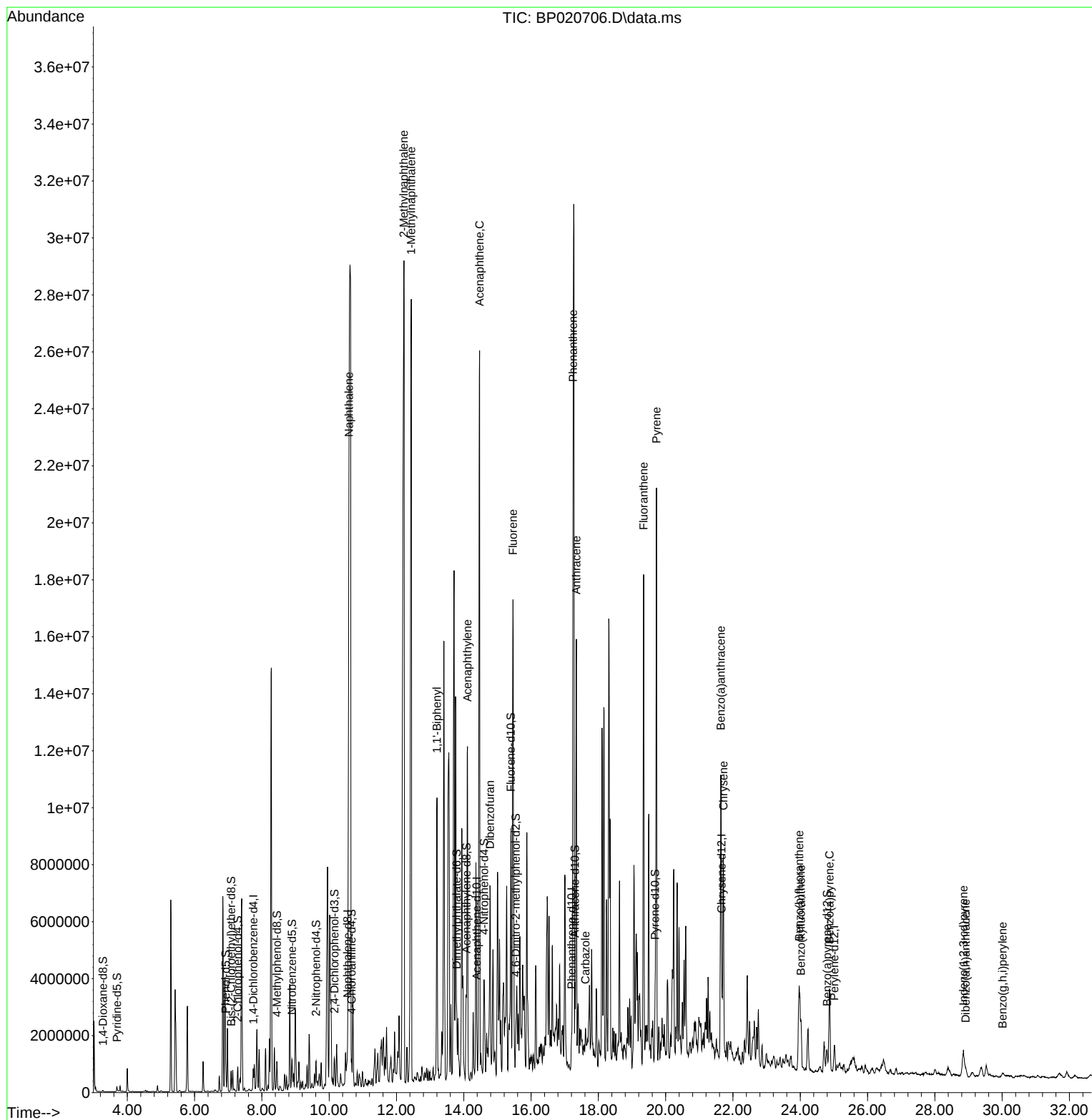
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062724\
Data File : BP020706.D
Acq On : 29 Jun 2024 00:51
Operator : MA/JU
Sample : P2897-14
Misc :
ALS Vial : 64 Sample Multiplier: 1

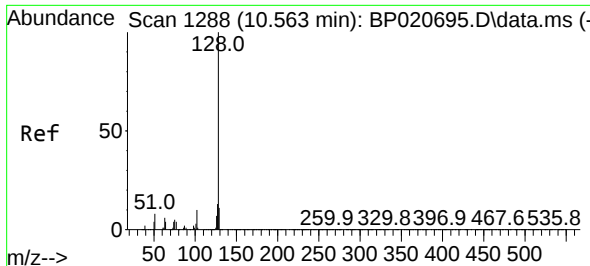
Instrument :
BNA_P
ClientSampleId :
COT61

Manual Integrations
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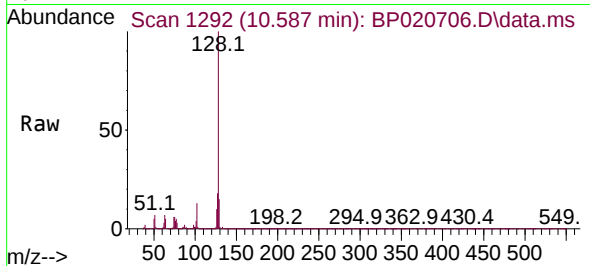
Quant Time: Jun 29 01:27:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 25 18:30:06 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 980.695 ng/ul m
RT: 10.587 min Scan# 1292
Delta R.T. 0.018 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

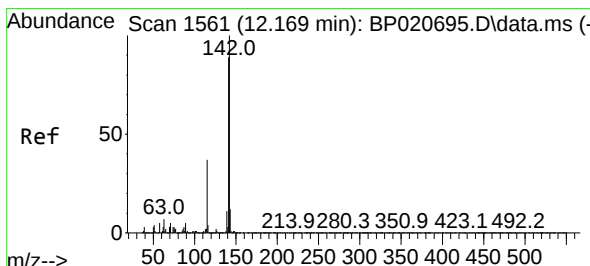
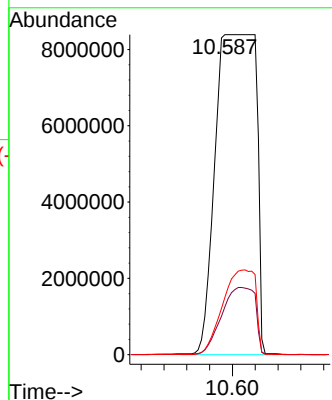
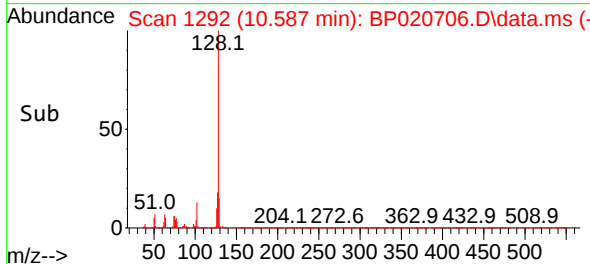
Instrument :
BNA_P
ClientSampleId :
C0T61



Tgt Ion:128 Resp:41376394
Ion Ratio Lower Upper
128 100
129 14.9 8.7 13.1
127 17.9 10.6 15.8

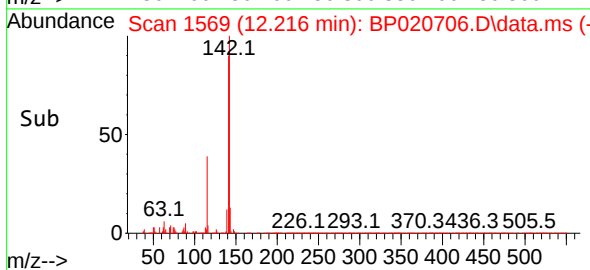
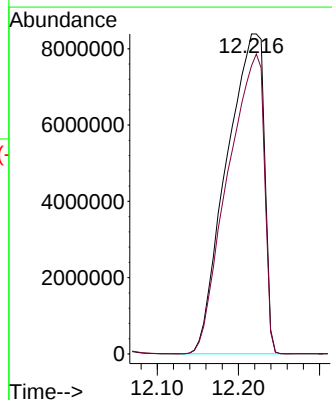
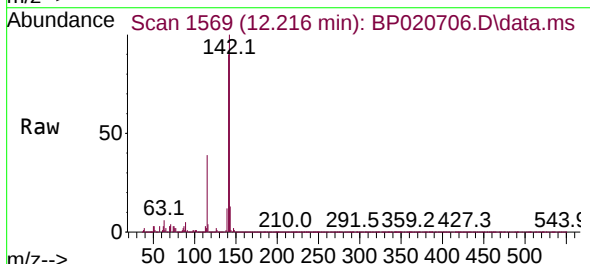
Manual Integrations
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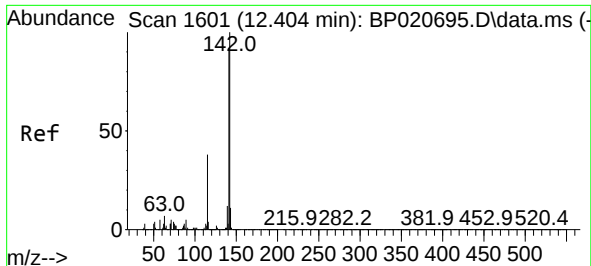
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024



#36
2-Methylnaphthalene
Concen: 955.766 ng/ul
RT: 12.216 min Scan# 1569
Delta R.T. 0.047 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

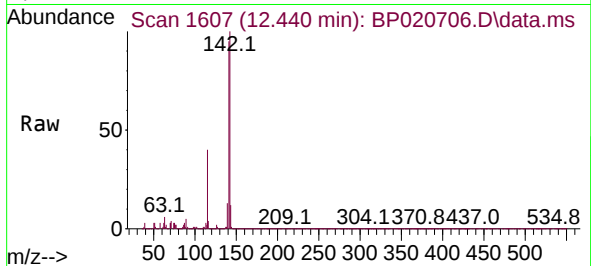
Tgt Ion:142 Resp:27012116
Ion Ratio Lower Upper
142 100
141 90.1 71.1 106.7





#37
1-Methylnaphthalene
Concen: 593.574 ng/ul
RT: 12.440 min Scan# 1607
Delta R.T. 0.035 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

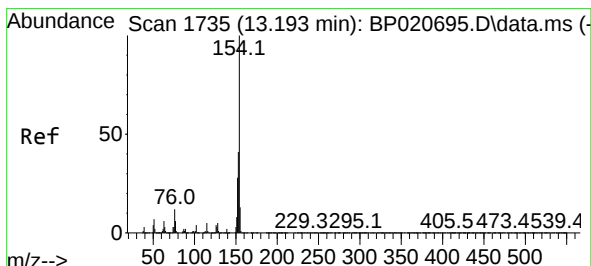
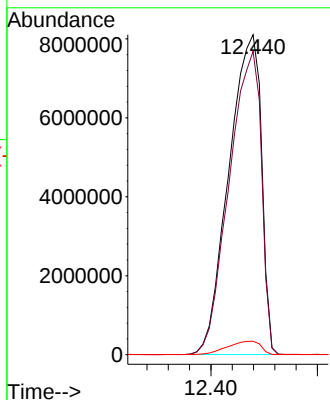
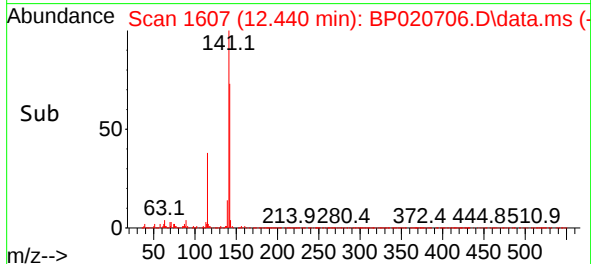
Instrument :
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ClientSampleId :
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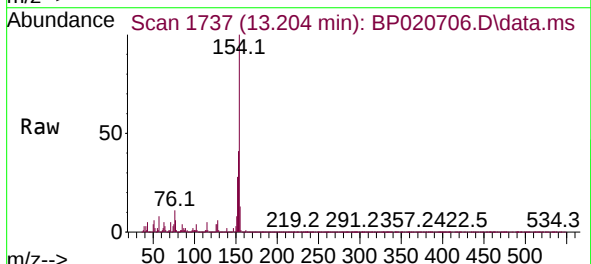
Tgt Ion:142 Resp:17149409
Ion Ratio Lower Upper
142 100
141 94.8 74.9 112.3
116 4.2 3.3 4.9

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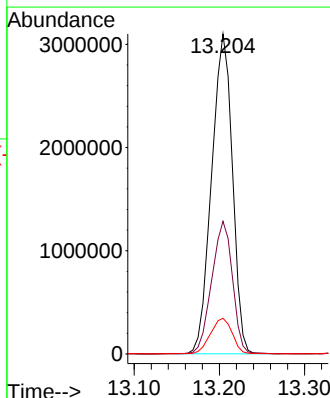
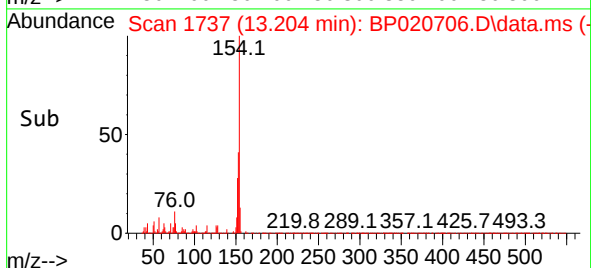
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024

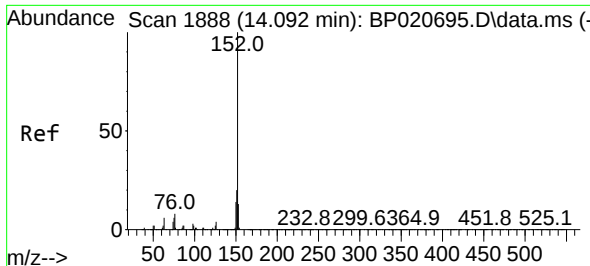


#43
1,1'-Biphenyl
Concen: 120.250 ng/ul
RT: 13.204 min Scan# 1737
Delta R.T. 0.012 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51



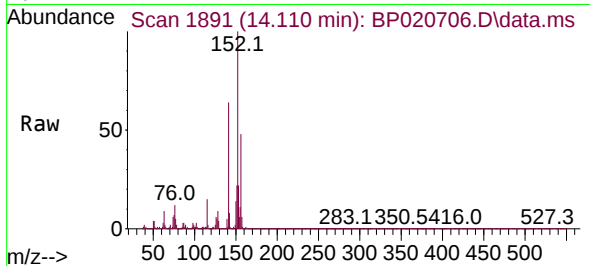
Tgt Ion:154 Resp: 5251312
Ion Ratio Lower Upper
154 100
153 41.4 32.6 48.8
76 11.2 10.8 16.2





#50
Acenaphthylene
Concen: 79.952 ng/ul
RT: 14.110 min Scan# 1888
Delta R.T. 0.018 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

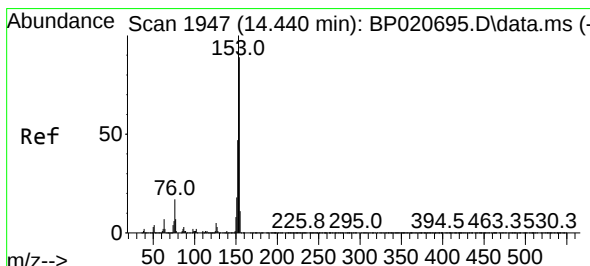
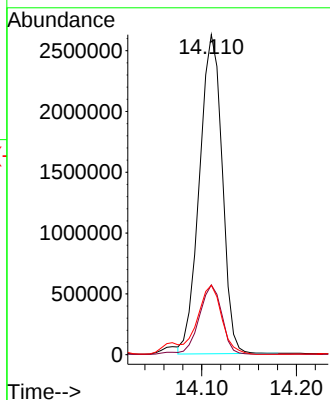
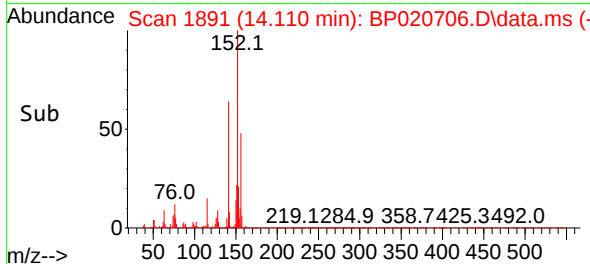
Instrument :
BNA_P
ClientSampleId :
C0T61



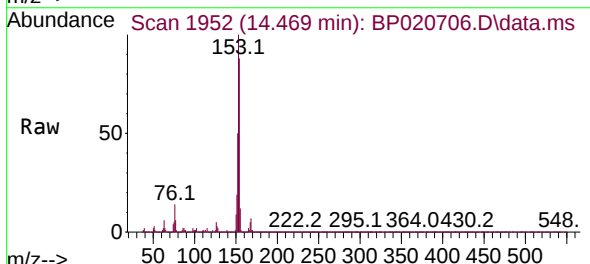
Tgt Ion:152 Resp: 4375234
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.4
153 21.7 10.8 16.2

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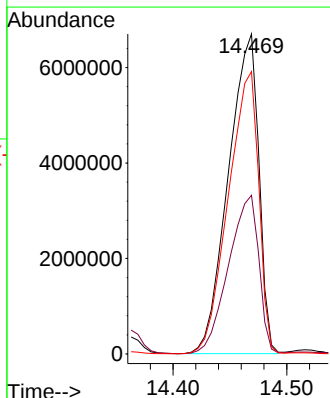
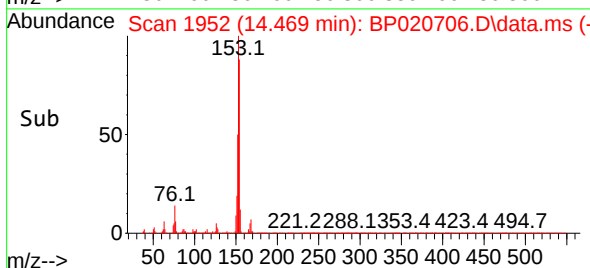
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024

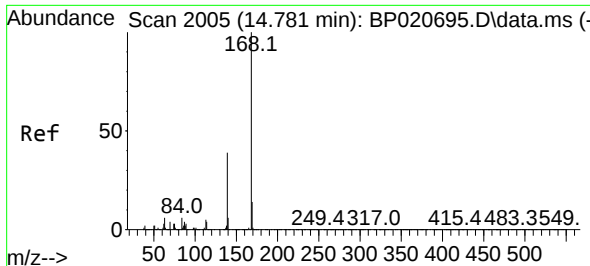


#52
Acenaphthene
Concen: 343.228 ng/ul
RT: 14.469 min Scan# 1952
Delta R.T. 0.041 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51



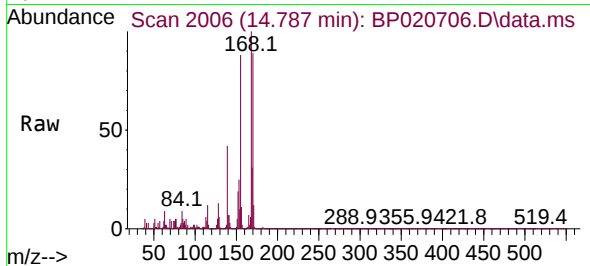
Tgt Ion:153 Resp:12459503
Ion Ratio Lower Upper
153 100
152 49.6 38.2 57.2
154 88.3 69.8 104.6





#56
Dibenzenofuran
Concen: 30.941 ng/ul
RT: 14.787 min Scan# 2005
Delta R.T. 0.012 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

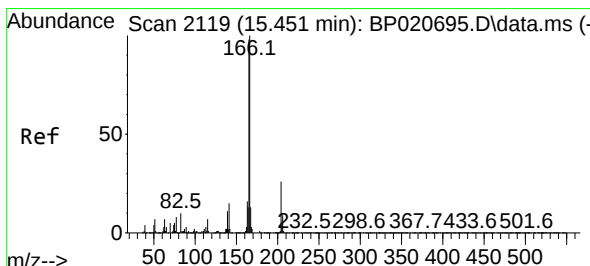
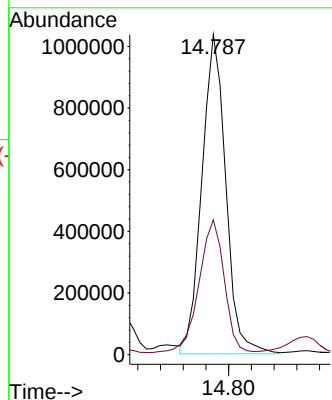
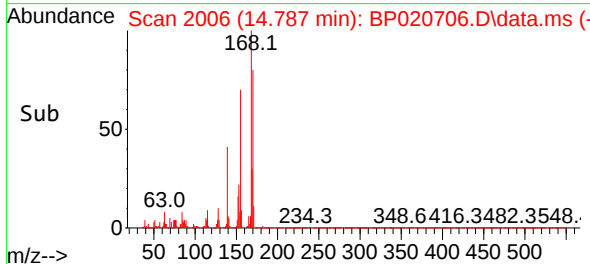
Instrument :
BNA_P
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C0T61



Tgt Ion:168 Resp: 151349
Ion Ratio Lower Upper
168 100
139 42.2 30.7 46.1

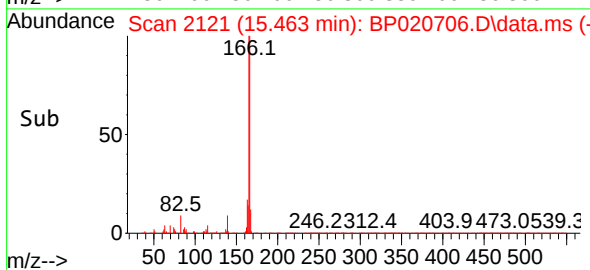
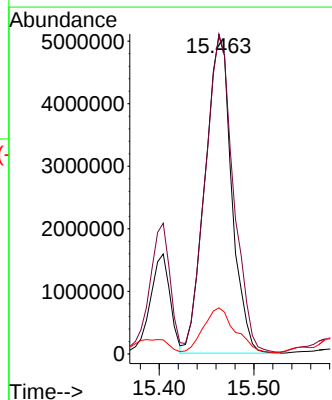
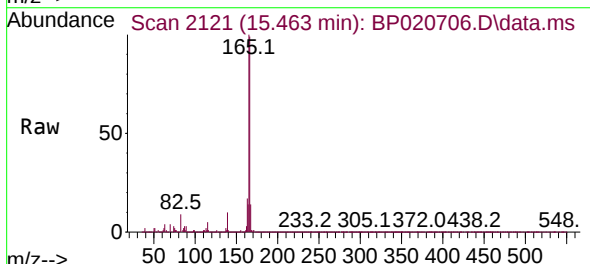
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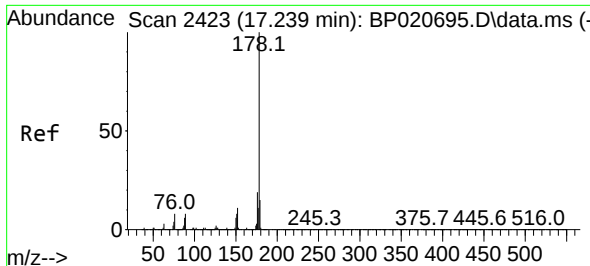
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024



#61
Fluorene
Concen: 252.484 ng/ul
RT: 15.463 min Scan# 2121
Delta R.T. 0.029 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

Tgt Ion:166 Resp: 9923178
Ion Ratio Lower Upper
166 100
165 100.6 78.8 118.2
167 14.5 11.2 16.8





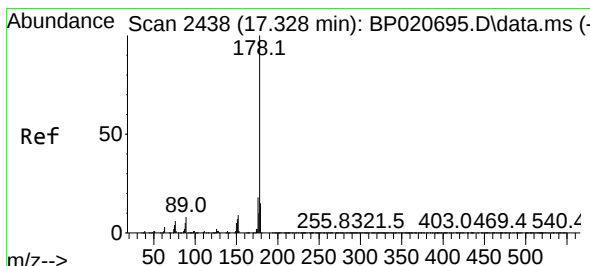
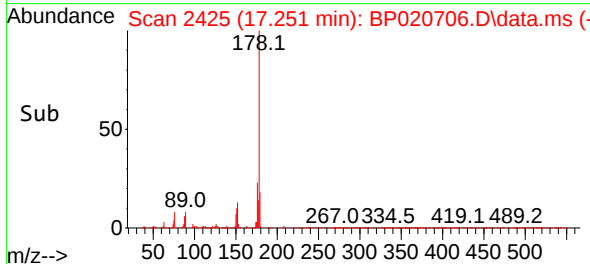
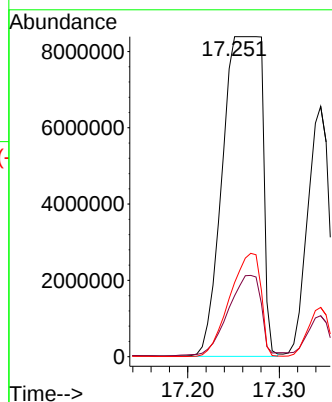
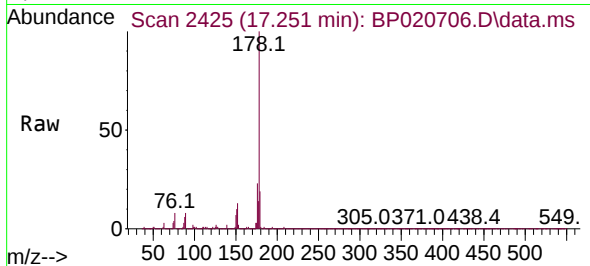
#72
Phenanthrene
Concen: 537.216 ng/ul m
RT: 17.251 min Scan# 2425
Delta R.T. 0.024 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

Instrument :
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C0T61

Tgt Ion:178 Resp:2519131
Ion Ratio Lower Upper
178 100
179 19.0 12.4 18.6
176 23.1 15.4 23.2

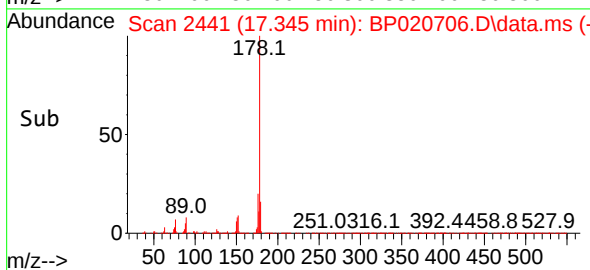
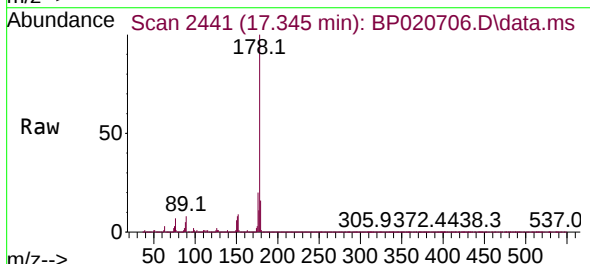
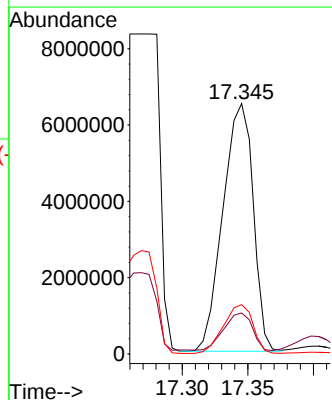
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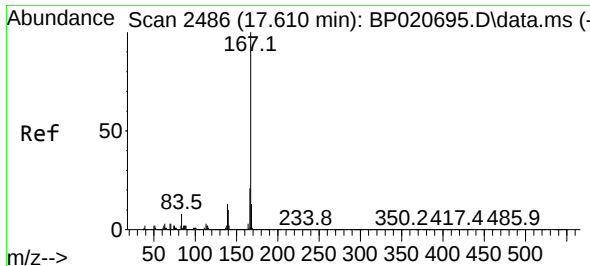
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024



#74
Anthracene
Concen: 215.936 ng/ul
RT: 17.345 min Scan# 2441
Delta R.T. 0.029 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

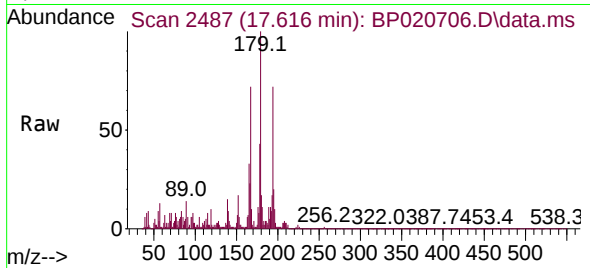
Tgt Ion:178 Resp:10415647
Ion Ratio Lower Upper
178 100
179 16.3 12.1 18.1
176 19.7 15.0 22.4





#77
 Carbazole
 Concen: 6.310 ng/ul
 RT: 17.616 min Scan# 2486
 Delta R.T. 0.012 min
 Lab File: BP020706.D
 Acq: 29 Jun 2024 00:51

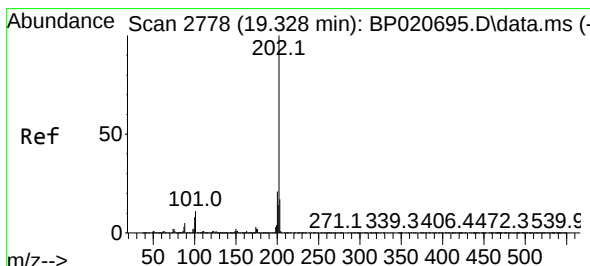
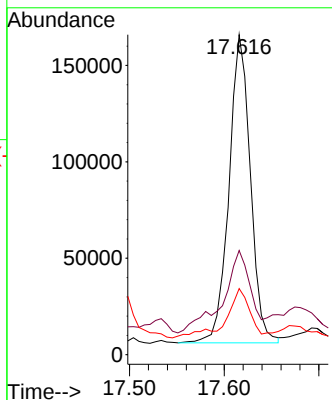
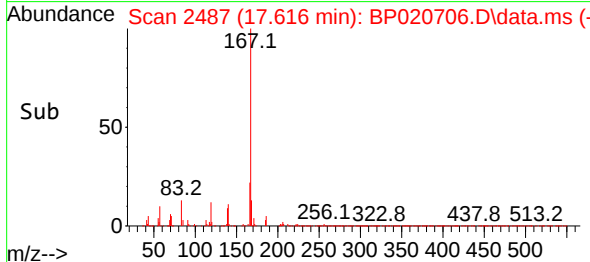
Instrument :
 BNA_P
 ClientSampleId :
 C0T61



Tgt Ion:167 Resp: 251204
 Ion Ratio Lower Upper
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 166 32.6 17.2 25.8
 139 20.7 10.6 16.0

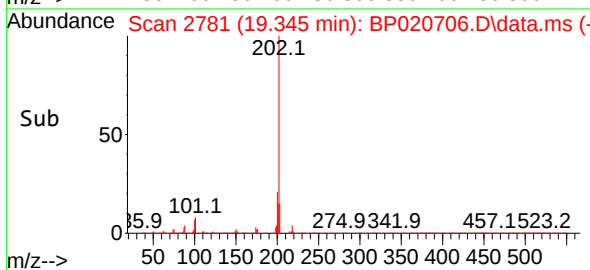
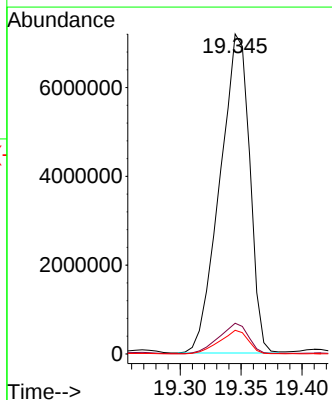
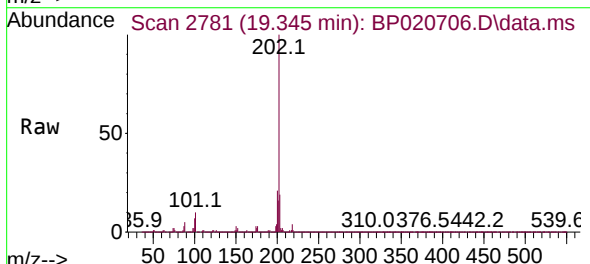
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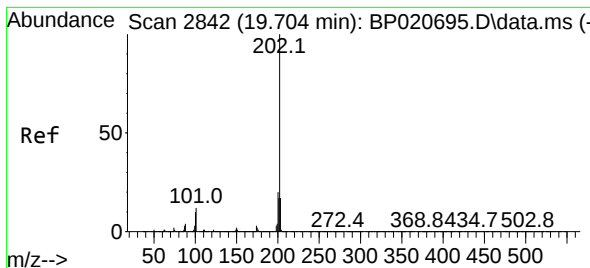
Reviewed By :Yogesh Patel 06/29/2024
 Supervised By :mohammad ahmed 06/29/2024



#80
 Fluoranthene
 Concen: 251.708 ng/ul
 RT: 19.345 min Scan# 2781
 Delta R.T. 0.024 min
 Lab File: BP020706.D
 Acq: 29 Jun 2024 00:51

Tgt Ion:202 Resp:12213565
 Ion Ratio Lower Upper
 202 100
 101 9.6 8.2 12.4
 100 7.4 6.6 10.0





#82

Pyrene

Concen: 287.323 ng/ul

RT: 19.727 min Scan# 21

Delta R.T. 0.029 min

Lab File: BP020706.D

Acq: 29 Jun 2024 00:51

Instrument :

BNA_P

ClientSampleId :

C0T61

Tgt Ion:202 Resp:1429827

Ion Ratio Lower Upper

202 100

101 11.8 9.8 14.8

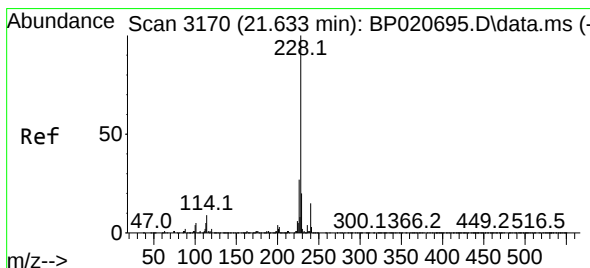
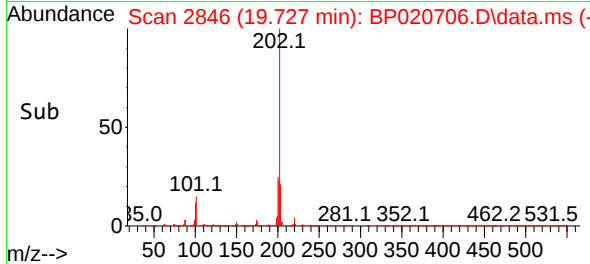
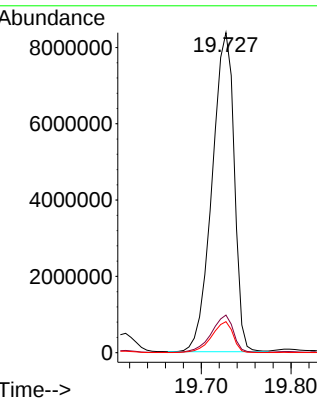
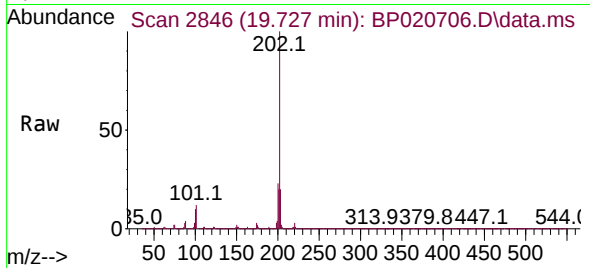
100 9.7 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2024

Supervised By :mohammad ahmed 06/29/2024



#85

Benzo(a)anthracene

Concen: 149.716 ng/ul m

RT: 21.639 min Scan# 3171

Delta R.T. 0.018 min

Lab File: BP020706.D

Acq: 29 Jun 2024 00:51

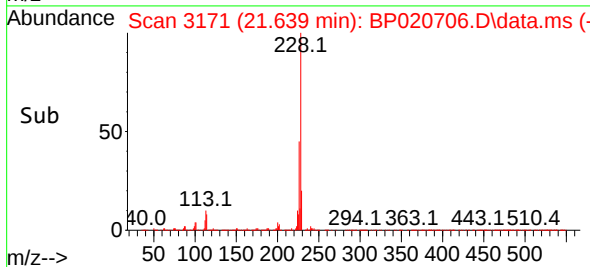
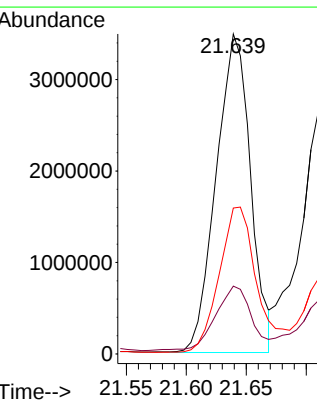
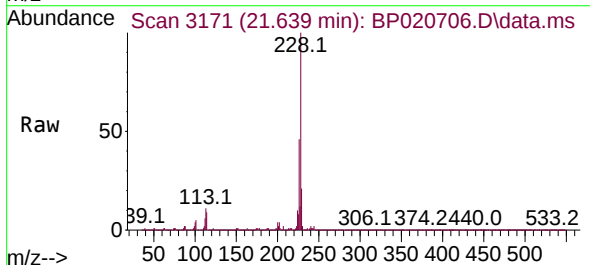
Tgt Ion:228 Resp: 6938844

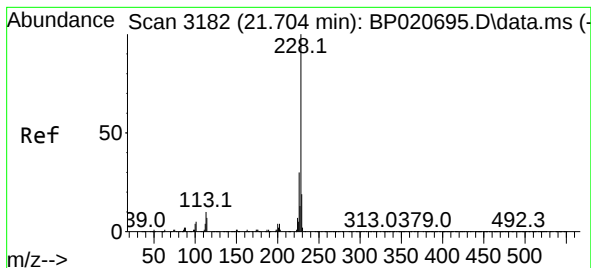
Ion Ratio Lower Upper

228 100

229 21.2 15.2 22.8

226 45.6 21.1 31.7#





#87

Chrysene

Concen: 132.934 ng/ul

RT: 21.716 min Scan# 3182

Delta R.T. 0.024 min

Lab File: BP020706.D

Acq: 29 Jun 2024 00:51

Instrument :

BNA_P

ClientSampleId :

C0T61

Tgt Ion:228 Resp: 582351

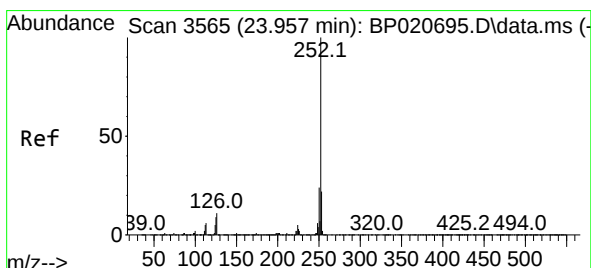
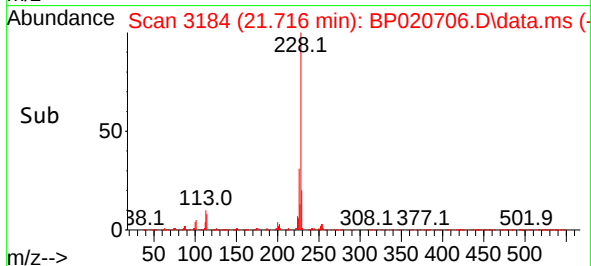
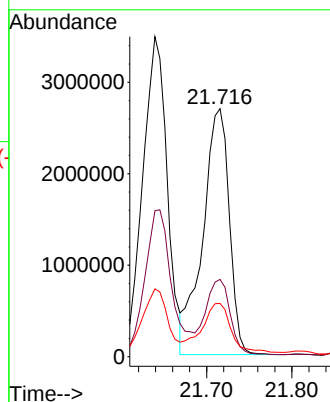
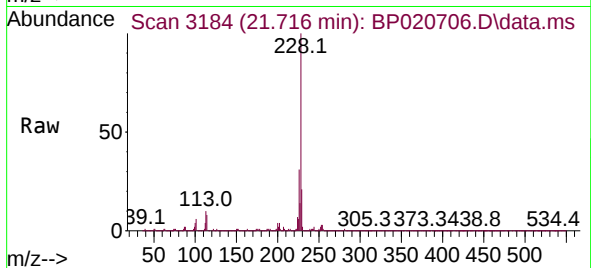
Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.8	35.6
229	21.5	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2024

Supervised By :mohammad ahmed 06/29/2024



#90

Benzo(b)fluoranthene

Concen: 90.979 ng/ul m

RT: 23.968 min Scan# 3567

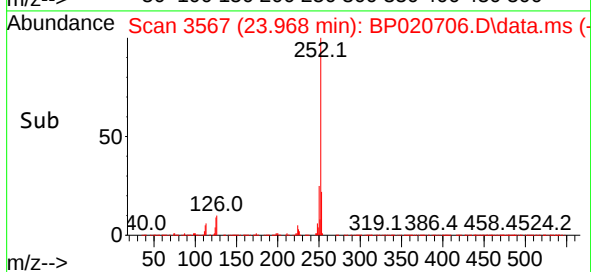
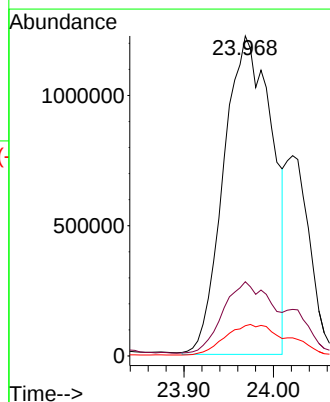
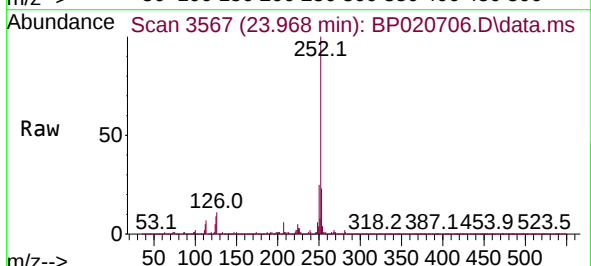
Delta R.T. 0.029 min

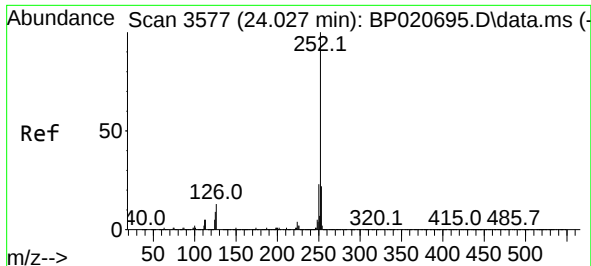
Lab File: BP020706.D

Acq: 29 Jun 2024 00:51

Tgt Ion:252 Resp: 4598983

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	9.5	7.9	11.9





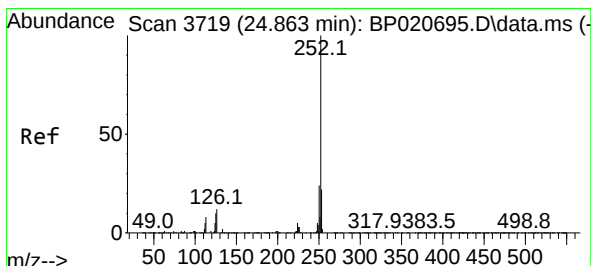
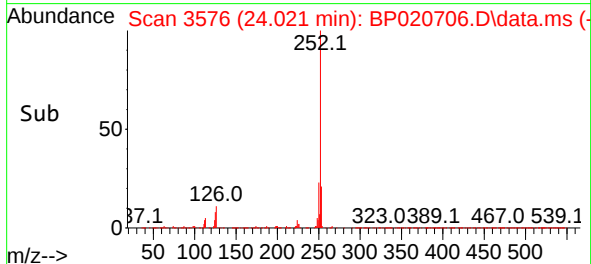
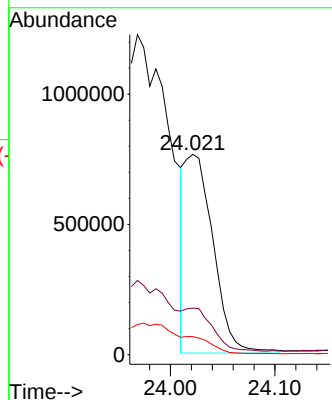
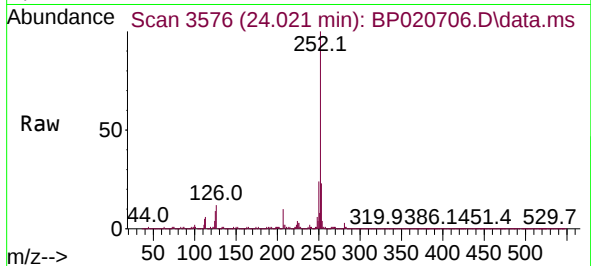
#91
Benzo(k)fluoranthene
Concen: 28.082 ng/ul m
RT: 24.021 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

Instrument :
BNA_P
ClientSampleId :
C0T61

Tgt Ion:252 Resp: 1435919
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 9.0 7.9 11.9

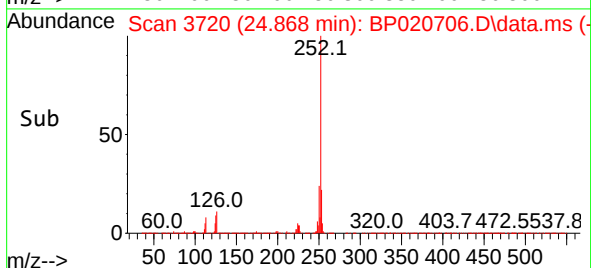
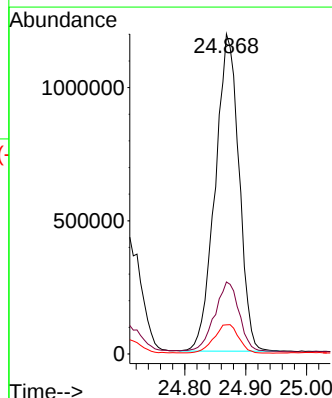
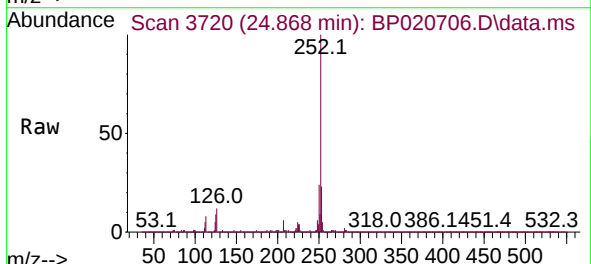
Manual Integrations
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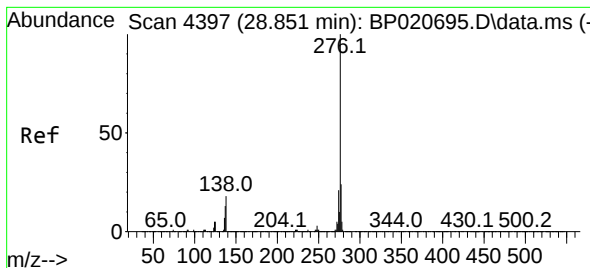
Reviewed By :Yogesh Patel 06/29/2024
Supervised By :mohammad ahmed 06/29/2024



#93
Benzo(a)pyrene
Concen: 67.708 ng/ul
RT: 24.868 min Scan# 3720
Delta R.T. 0.023 min
Lab File: BP020706.D
Acq: 29 Jun 2024 00:51

Tgt Ion:252 Resp: 3230904
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 9.1 8.7 13.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 25.672 ng/ul

RT: 28.851 min Scan# 41

Delta R.T. 0.035 min

Lab File: BP020706.D

Acq: 29 Jun 2024 00:51

Instrument :

BNA_P

ClientSampleId :

C0T61

Tgt Ion:276 Resp: 157131

Ion Ratio Lower Upper

276 100

138 17.8 15.2 22.8

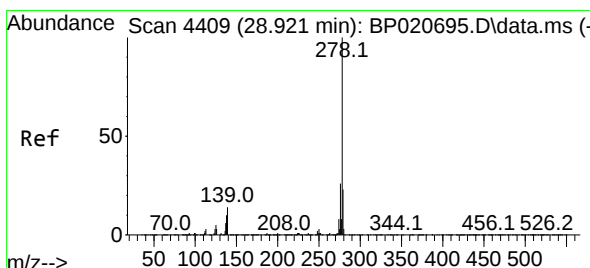
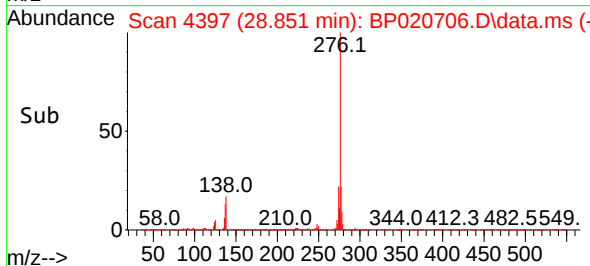
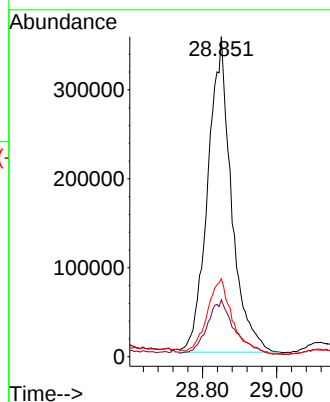
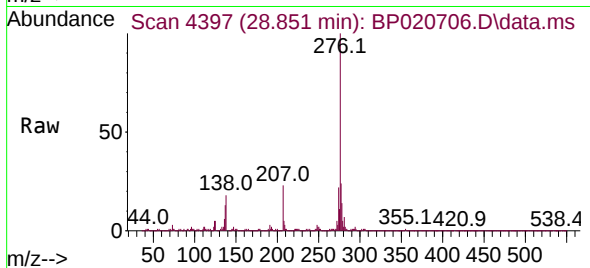
277 24.3 19.0 28.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2024

Supervised By :mohammad ahmed 06/29/2024



#95

Dibenzo(a,h)anthracene

Concen: 13.124 ng/ul m

RT: 28.915 min Scan# 4408

Delta R.T. 0.018 min

Lab File: BP020706.D

Acq: 29 Jun 2024 00:51

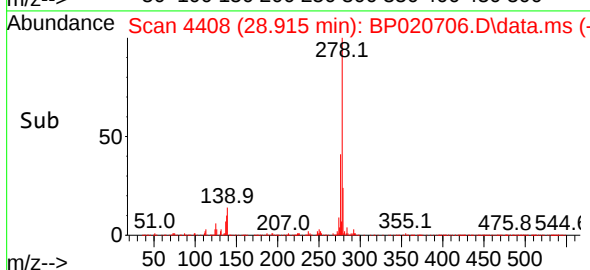
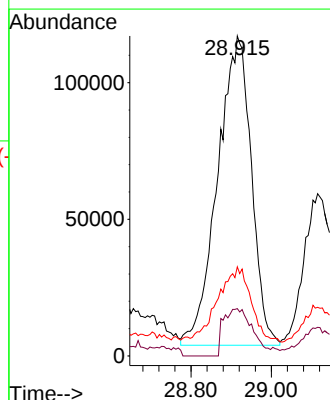
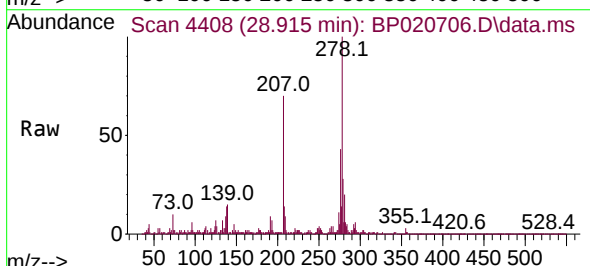
Tgt Ion:278 Resp: 660188

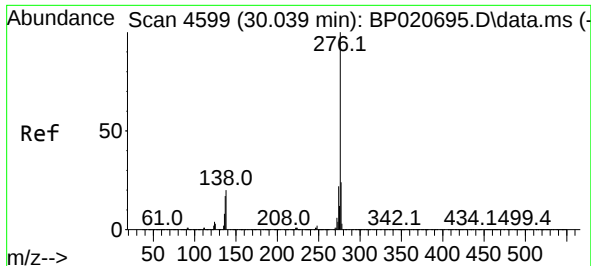
Ion Ratio Lower Upper

278 100

139 14.8 11.1 16.7

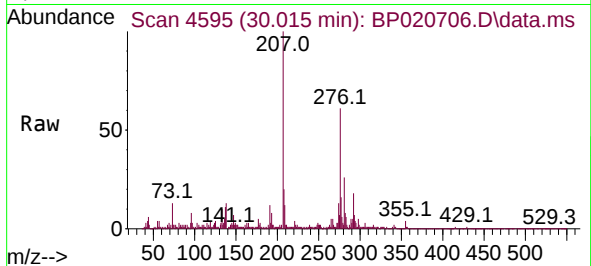
279 27.9 18.7 28.1





#96
 Benzo(g,h,i)perylene
 Concen: 4.886 ng/ul m
 RT: 30.015 min Scan# 4595
 Delta R.T. 0.012 min
 Lab File: BP020706.D
 Acq: 29 Jun 2024 00:51

Instrument :
 BNA_P
 ClientSampleId :
 C0T61



Tgt Ion: 276 Resp: 244150

Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.4	24.6
277	26.5	18.7	28.1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/29/2024
 Supervised By :mohammad ahmed 06/29/2024

