

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070324\
 Data File : BP020772.D
 Acq On : 03 Jul 2024 15:56
 Operator : MA/JU
 Sample : P2963-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4CR7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 03 16:50:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 15:01:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	211626	20.000	ng/u1	0.00
20) Naphthalene-d8	10.499	136	871629	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.351	164	573327	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.169	188	1151468	20.000	ng/u1	0.00
79) Chrysene-d12	21.622	240	1040225	20.000	ng/u1	0.00
88) Perylene-d12	24.957	264	1257490	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	19459	3.948	ng/uL	0.00
4) Pyridine-d5	3.699	84	18309m	1.275	ng/u1	0.02
7) Phenol-d5	6.928	99	548499	31.601	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.087	67	320912	29.164	ng/u1	0.00
11) 2-Chlorophenol-d4	7.281	132	455844	32.134	ng/u1	0.01
15) 4-Methylphenol-d8	8.446	113	461307	32.723	ng/u1	0.01
21) Nitrobenzene-d5	8.887	128	229772	35.705	ng/u1	0.00
24) 2-Nitrophenol-d4	9.599	143	264337	41.047	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.134	165	462414	34.859	ng/u1	0.00
31) 4-Chloroaniline-d4	10.646	131	170837	9.190	ng/u1	0.00
46) Dimethylphthalate-d6	13.769	166	1428196	35.828	ng/u1	0.01
49) Acenaphthylene-d8	14.045	160	1604700	33.736	ng/u1	0.00
54) 4-Nitrophenol-d4	14.593	143	224070	36.789	ng/u1	0.01
60) Fluorene-d10	15.369	176	1214658	36.211	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.504	200	159680	27.518	ng/u1	0.00
73) Anthracene-d10	17.275	188	1907432	36.910	ng/u1	0.01
81) Pyrene-d10	19.651	212	1873107	29.973	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.733	264	1513558	24.744	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.558	105	49204	2.186	ng/u1	97
30) Naphthalene	10.546	128	101636	2.179	ng/u1	98
36) 2-Methylnaphthalene	12.157	142	68593	2.195	ng/u1	99
37) 1-Methylnaphthalene	12.387	142	66467	2.081	ng/u1	99
50) Acenaphthylene	14.075	152	92352	1.719	ng/u1#	97
52) Acenaphthene	14.422	153	162174	4.550	ng/u1	99
56) Dibenzofuran	14.763	168	142569	2.968	ng/u1	99
61) Fluorene	15.428	166	207685	5.382	ng/u1	99
72) Phenanthrene	17.216	178	3184659	52.816	ng/u1	100
74) Anthracene	17.304	178	620137	9.998	ng/u1	99
77) Carbazole	17.581	167	153056	2.990	ng/u1	96
80) Fluoranthene	19.304	202	3173988	41.580	ng/u1	98
82) Pyrene	19.686	202	2727808	34.844	ng/u1	97
85) Benzo(a)anthracene	21.598	228	1545716	21.200	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.527	149	66084	1.464	ng/u1#	97
87) Chrysene	21.669	228	1555187	22.566	ng/u1	98
90) Benzo(b)fluoranthene	23.904	252	1640189m	21.530	ng/u1	
91) Benzo(k)fluoranthene	23.968	252	523305	6.791	ng/u1	96
93) Benzo(a)pyrene	24.810	252	698168	9.708	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.762	276	570471	6.185	ng/u1	96
95) Dibenzo(a,h)anthracene	28.839	278	232826m	3.071	ng/u1	
96) Benzo(g,h,i)perylene	29.939	276	86503m	1.149	ng/u1	

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 15:01:56 2024
Response via : Initial Calibration

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

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

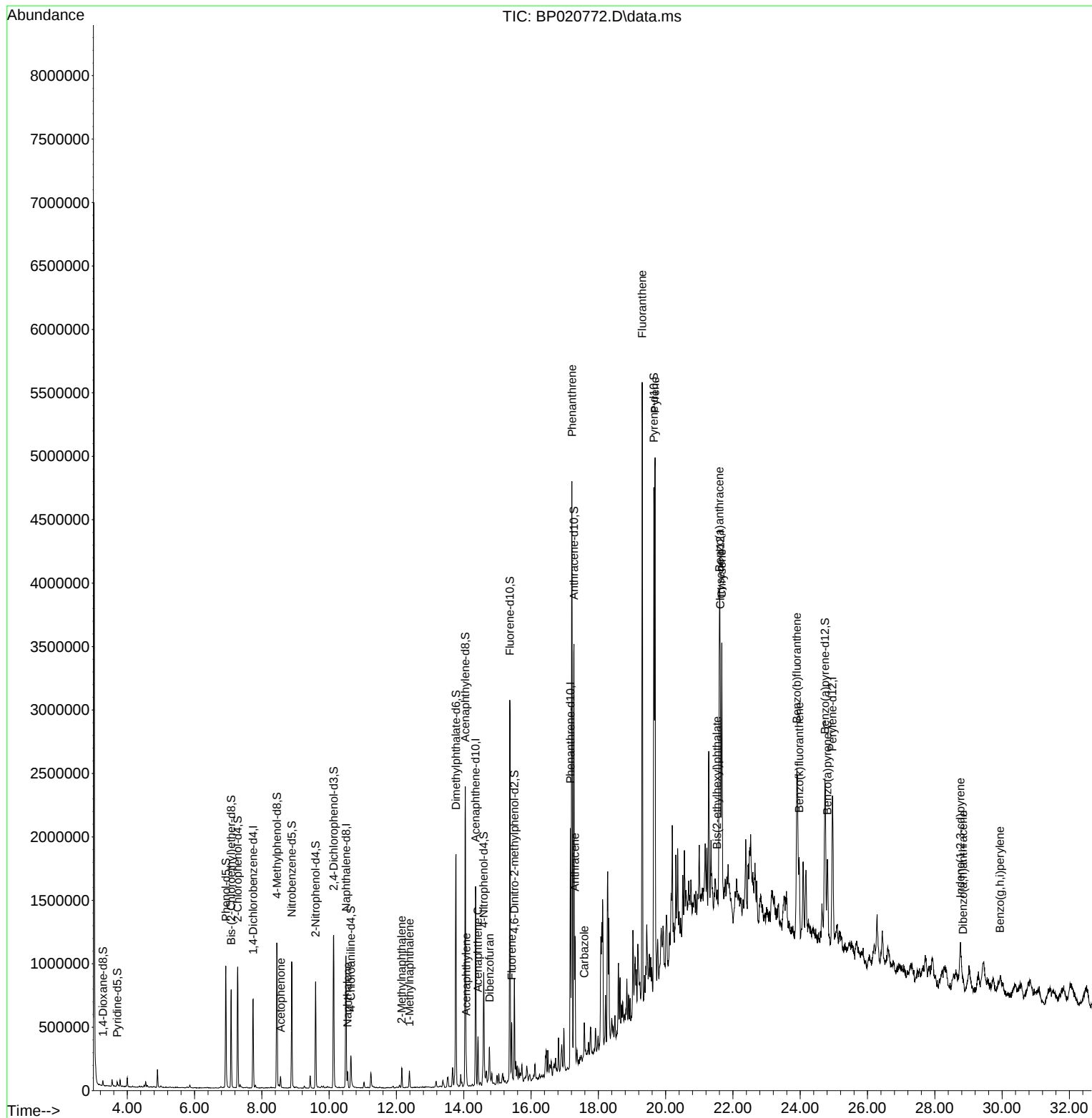
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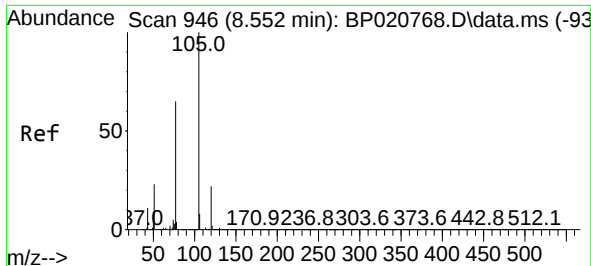
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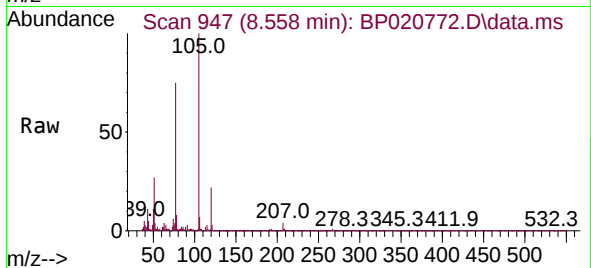
Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024





#16
Acetophenone
Concen: 2.186 ng/ul
RT: 8.558 min Scan# 946
Delta R.T. 0.006 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

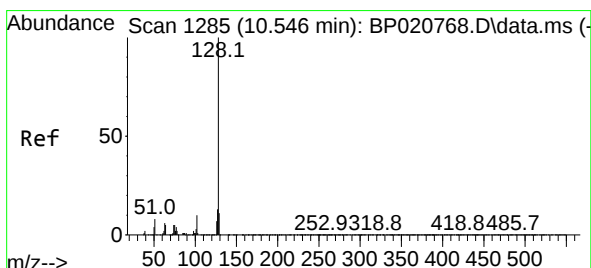
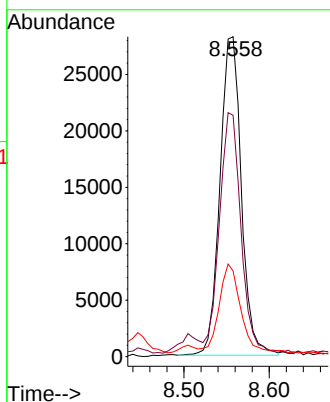
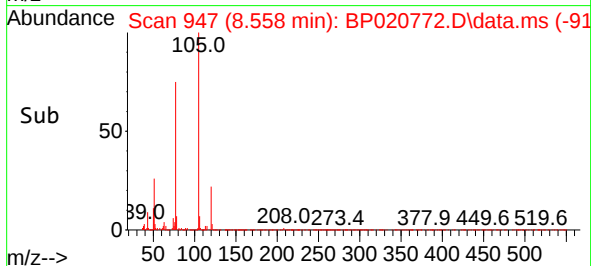
Instrument :
BNA_P
ClientSampleId :
A4CR7



Tgt Ion:105 Resp: 49204
Ion Ratio Lower Upper
105 100
77 75.4 62.2 93.4
51 26.8 23.6 35.4

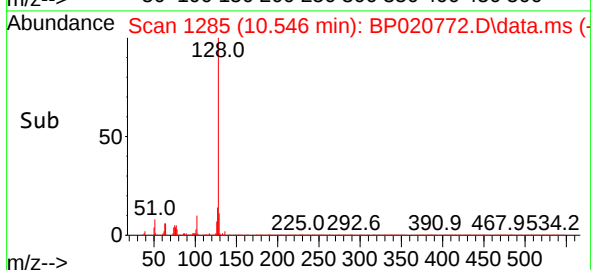
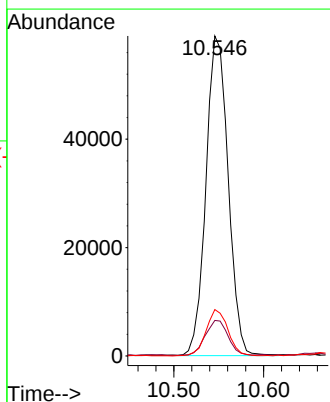
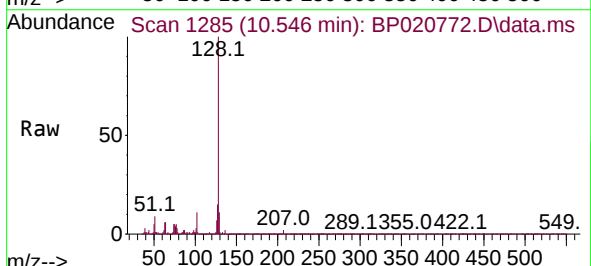
Manual Integrations
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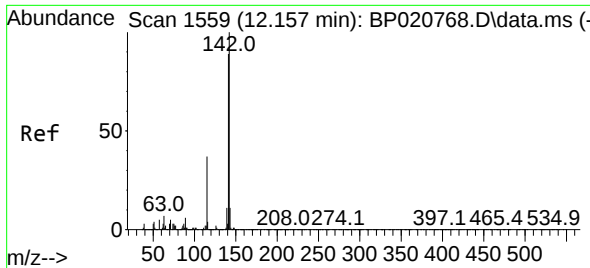
Reviewed By :Yogesh Patel 07/05/2024
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#30
Naphthalene
Concen: 2.179 ng/ul
RT: 10.546 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

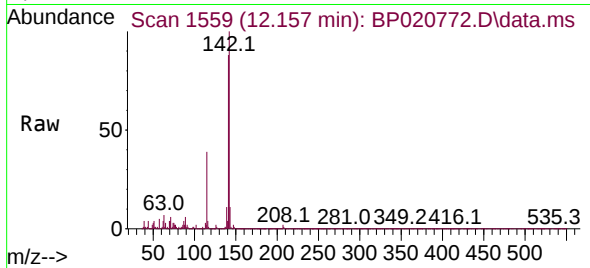
Tgt Ion:128 Resp: 101636
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 14.5 10.6 15.8





#36
2-Methylnaphthalene
Concen: 2.195 ng/ul
RT: 12.157 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

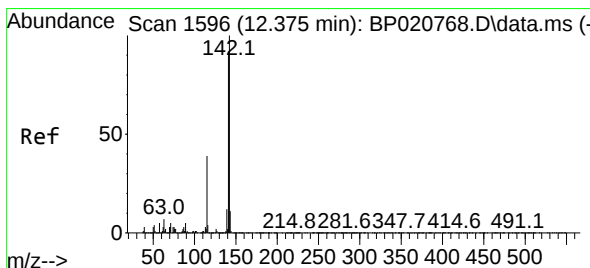
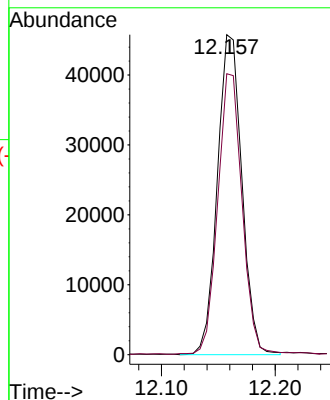
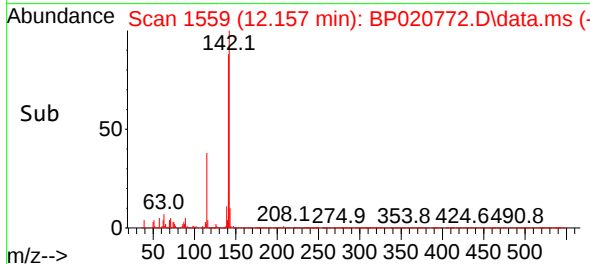
Instrument :
BNA_P
ClientSampleId :
A4CR7



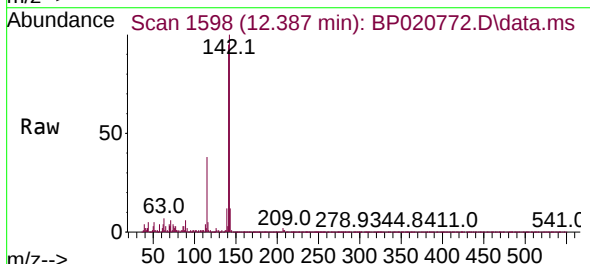
Tgt Ion:142 Resp: 6859
Ion Ratio Lower Upper
142 100
141 87.8 71.1 106.7

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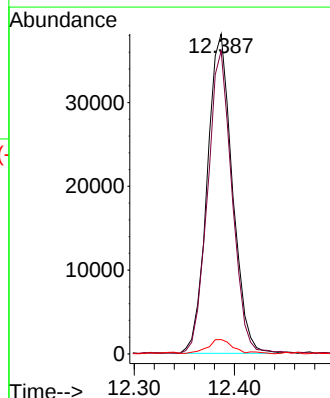
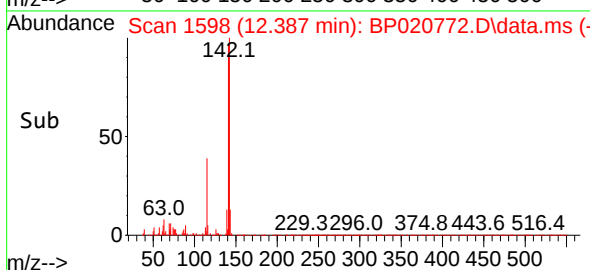
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024

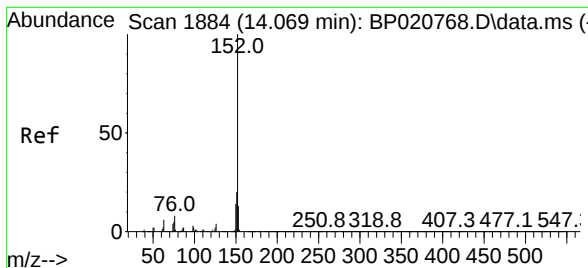


#37
1-Methylnaphthalene
Concen: 2.081 ng/ul
RT: 12.387 min Scan# 1598
Delta R.T. 0.012 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56



Tgt Ion:142 Resp: 66467
Ion Ratio Lower Upper
142 100
141 94.7 74.9 112.3
116 4.5 3.3 4.9





#50

Acenaphthylene

Concen: 1.719 ng/ul

RT: 14.075 min Scan# 1884

Delta R.T. 0.006 min

Lab File: BP020772.D

Acq: 03 Jul 2024 15:56

Instrument :

BNA_P

ClientSampleId :

A4CR7

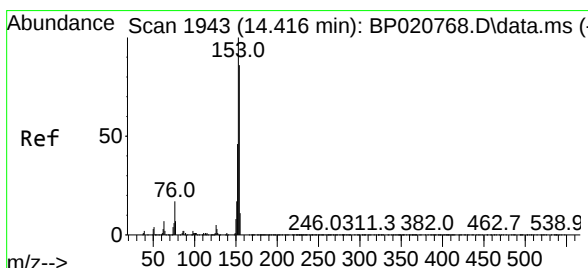
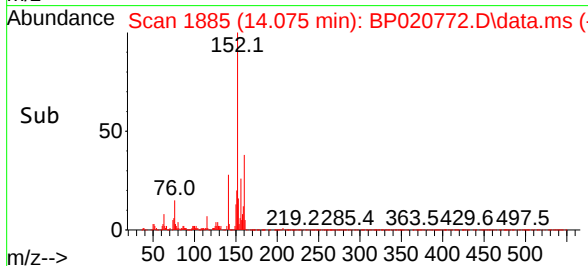
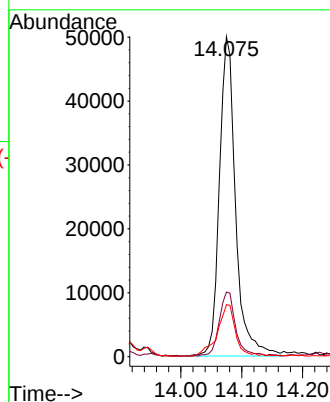
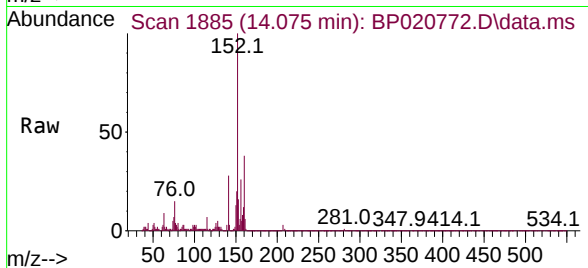
Tgt Ion:	152	Resp:	9235
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.2	24.4
153	16.3	10.8	16.2

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#52

Acenaphthene

Concen: 4.550 ng/ul

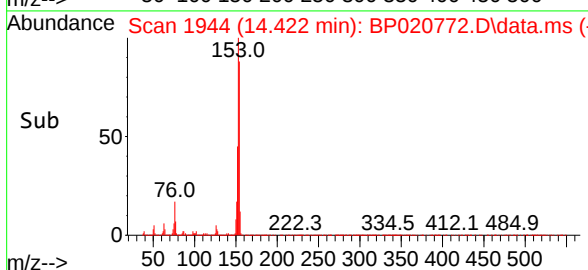
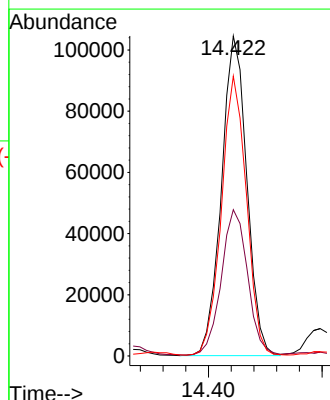
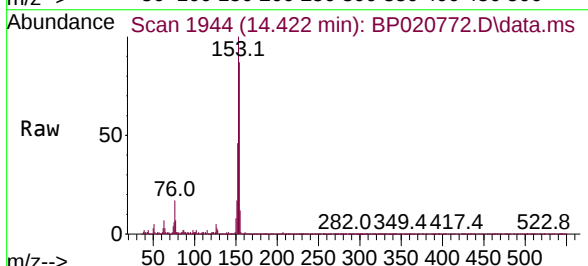
RT: 14.422 min Scan# 1944

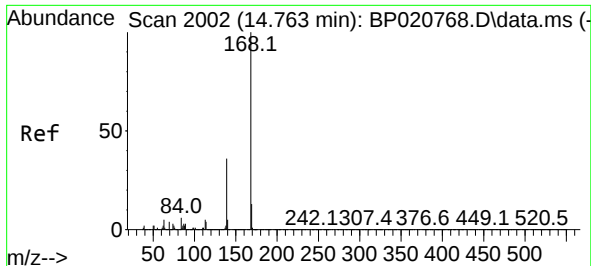
Delta R.T. 0.006 min

Lab File: BP020772.D

Acq: 03 Jul 2024 15:56

Tgt Ion:	153	Resp:	162174
Ion Ratio	Lower	Upper	
153	100		
152	45.7	38.2	57.2
154	87.4	69.8	104.6





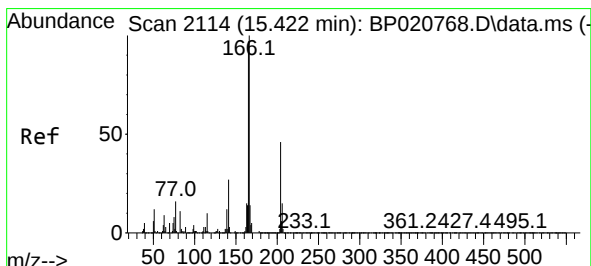
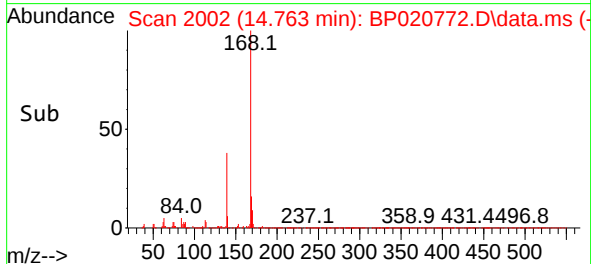
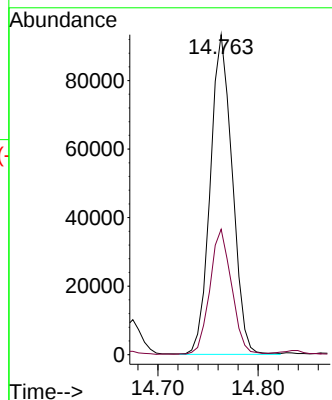
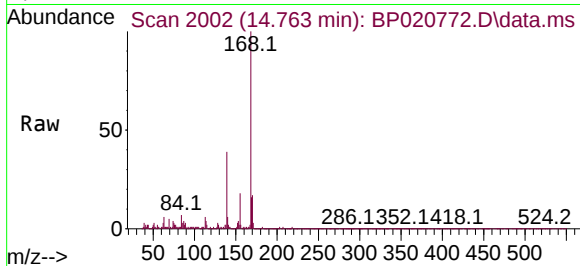
#56
Dibenzenofuran
Concen: 2.968 ng/ul
RT: 14.763 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

Instrument :
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ClientSampleId :
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Tgt Ion:168 Resp: 142569
Ion Ratio Lower Upper
168 100
139 39.2 30.7 46.1

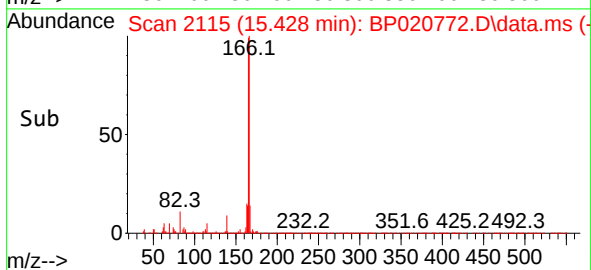
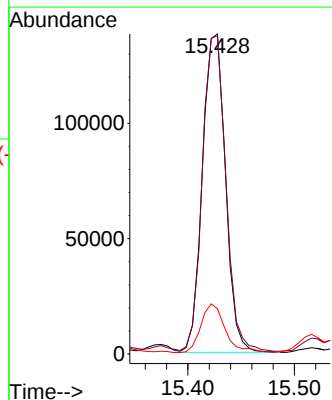
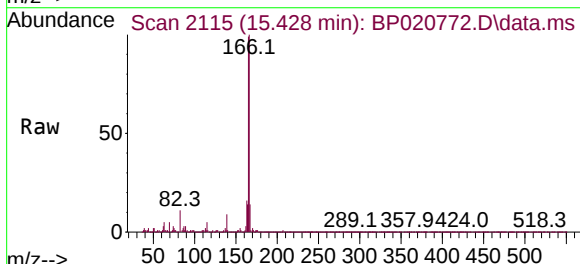
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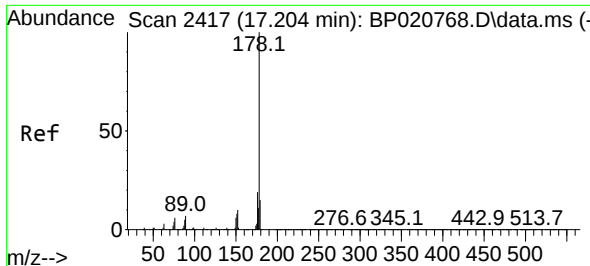
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#61
Fluorene
Concen: 5.382 ng/ul
RT: 15.428 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

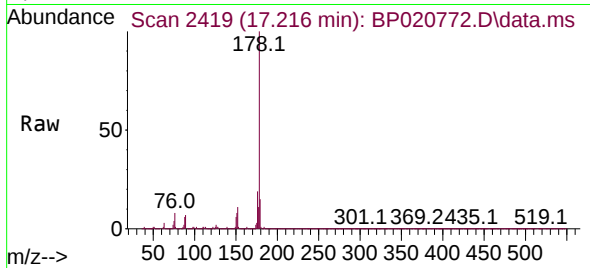
Tgt Ion:166 Resp: 207685
Ion Ratio Lower Upper
166 100
165 99.4 78.8 118.2
167 14.1 11.2 16.8





#72
Phenanthrene
Concen: 52.816 ng/ul
RT: 17.216 min Scan# 2419
Delta R.T. 0.012 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

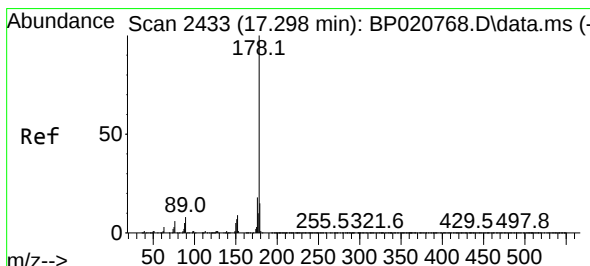
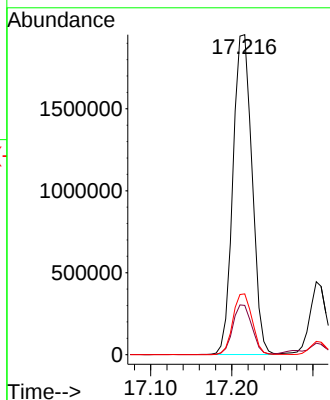
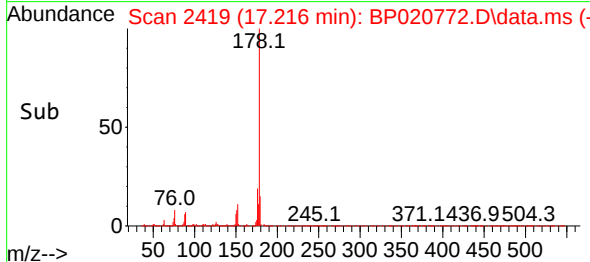
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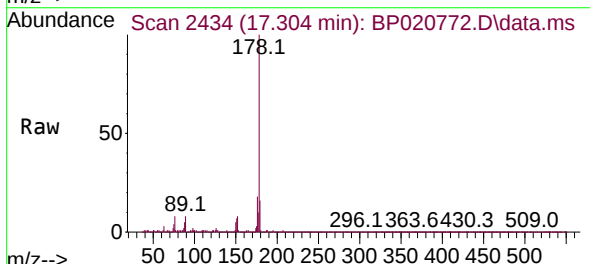
Tgt Ion:178 Resp: 3184659
Ion Ratio Lower Upper
178 100
179 15.4 12.4 18.6
176 19.0 15.4 23.2

Manual Integrations
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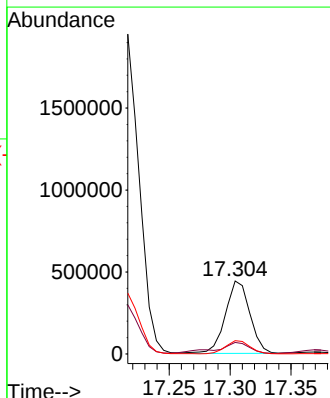
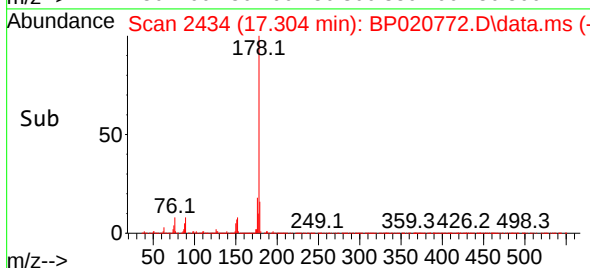
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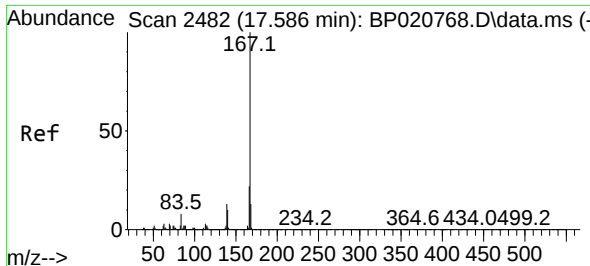


#74
Anthracene
Concen: 9.998 ng/ul
RT: 17.304 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56



Tgt Ion:178 Resp: 620137
Ion Ratio Lower Upper
178 100
179 15.8 12.1 18.1
176 18.2 15.0 22.4





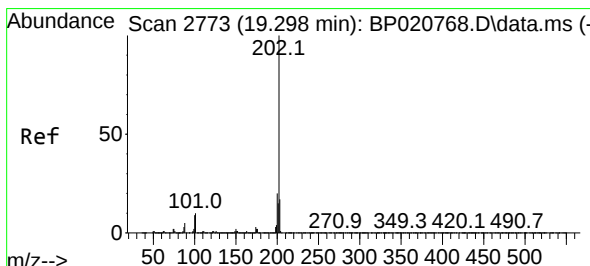
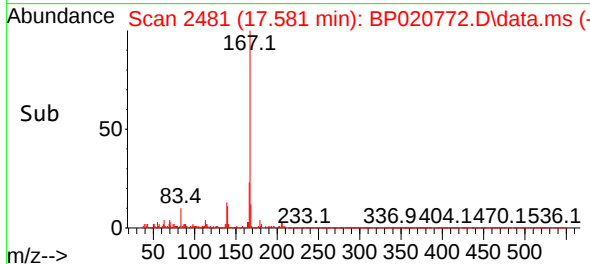
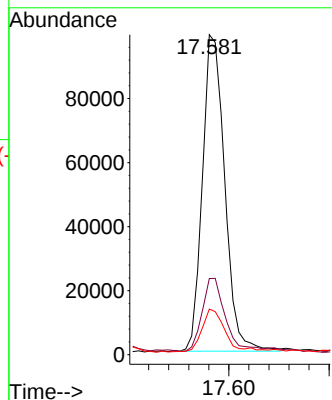
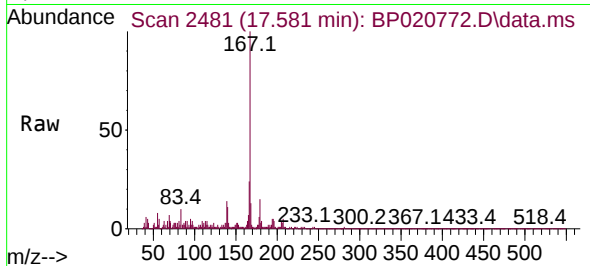
#77
 Carbazole
 Concen: 2.990 ng/ul
 RT: 17.581 min Scan# 2482
 Delta R.T. -0.006 min
 Lab File: BP020772.D
 Acq: 03 Jul 2024 15:56

Instrument :
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Tgt Ion:167 Resp: 153050
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.2 25.8
 139 14.2 10.6 16.0

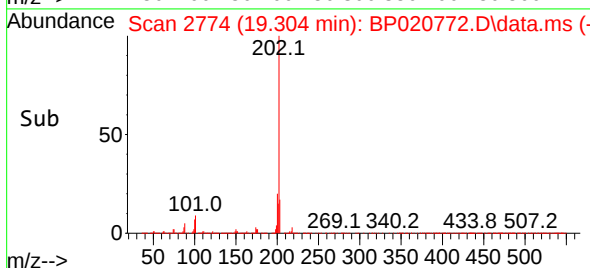
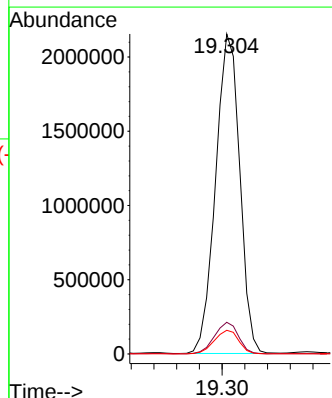
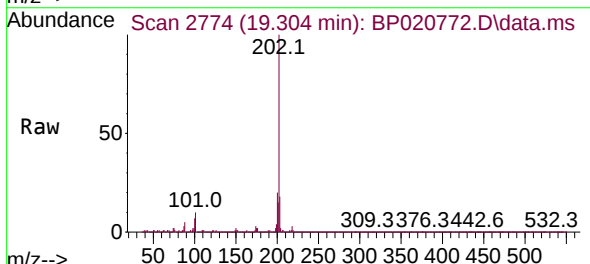
Manual Integrations
 APPROVED

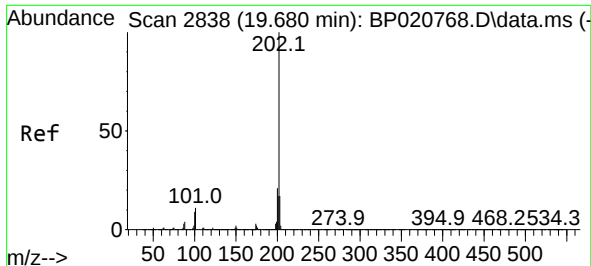
Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024



#80
 Fluoranthene
 Concen: 41.580 ng/ul
 RT: 19.304 min Scan# 2774
 Delta R.T. 0.006 min
 Lab File: BP020772.D
 Acq: 03 Jul 2024 15:56

Tgt Ion:202 Resp: 3173988
 Ion Ratio Lower Upper
 202 100
 101 9.9 8.2 12.4
 100 7.4 6.6 10.0





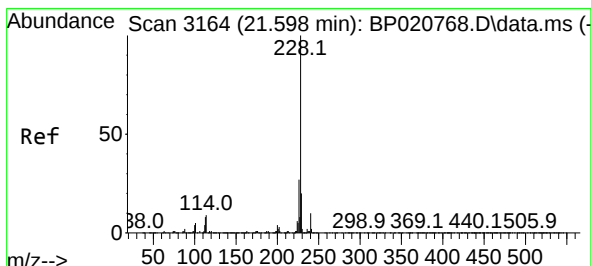
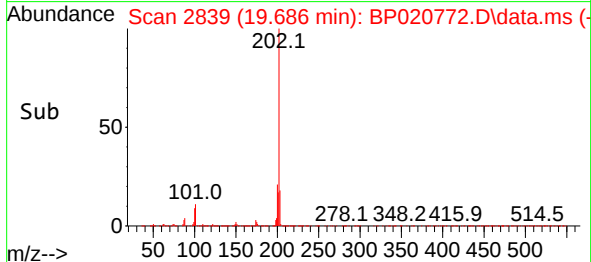
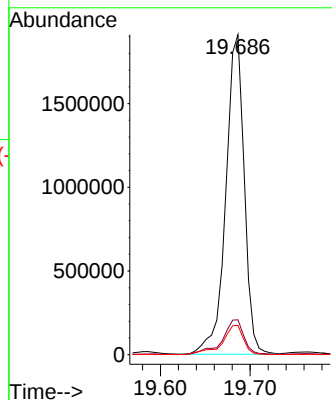
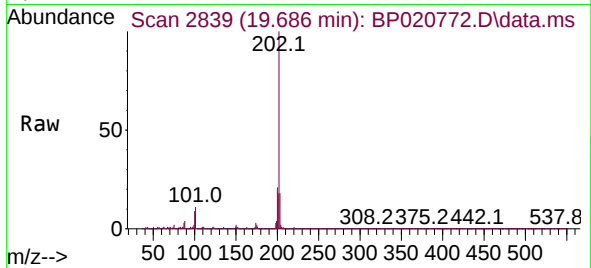
#82
Pyrene
Concen: 34.844 ng/ul
RT: 19.686 min Scan# 2839
Delta R.T. 0.006 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

Instrument :
BNA_P
ClientSampleId :
A4CR7

Tgt Ion:202 Resp: 2727808
Ion Ratio Lower Upper
202 100
101 10.9 9.8 14.8
100 9.1 7.9 11.9

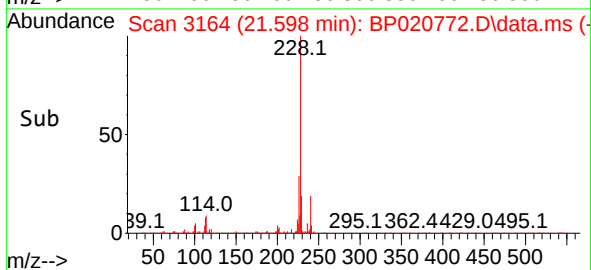
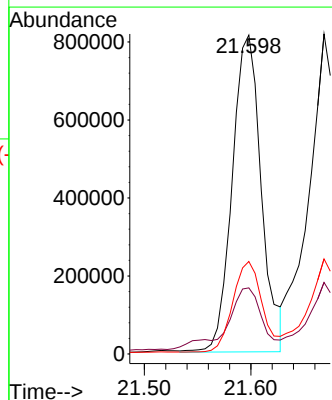
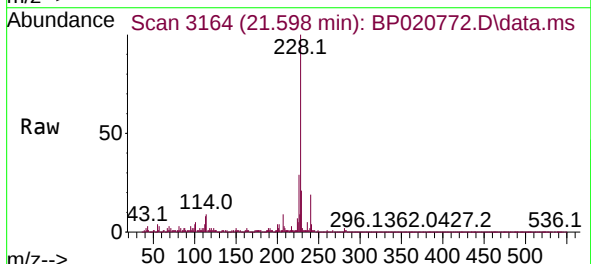
Manual Integrations
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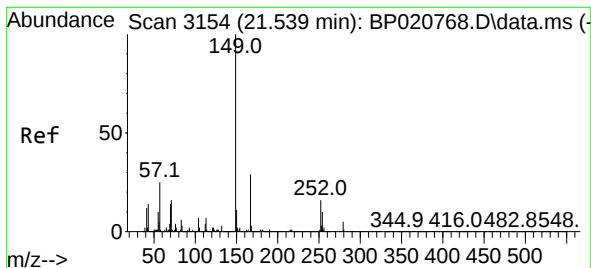
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#85
Benzo(a)anthracene
Concen: 21.200 ng/ul
RT: 21.598 min Scan# 3164
Delta R.T. 0.000 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

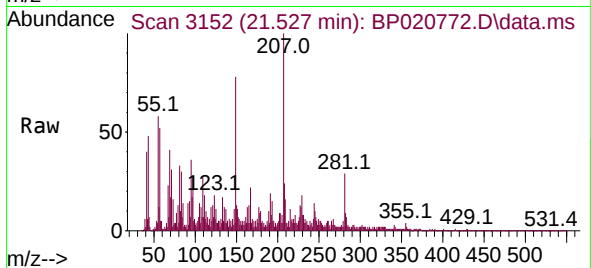
Tgt Ion:228 Resp: 1545716
Ion Ratio Lower Upper
228 100
229 20.7 15.2 22.8
226 29.0 21.1 31.7





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.464 ng/ul
RT: 21.527 min Scan# 3152
Delta R.T. -0.012 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

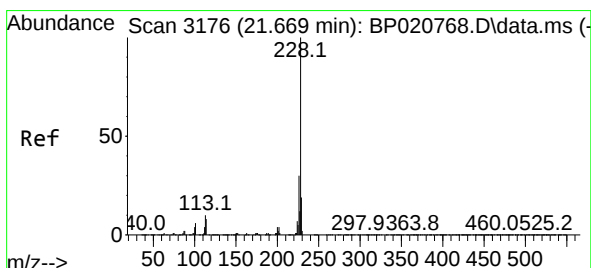
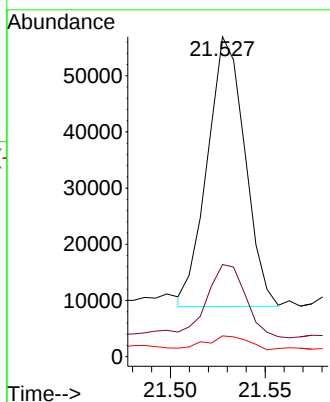
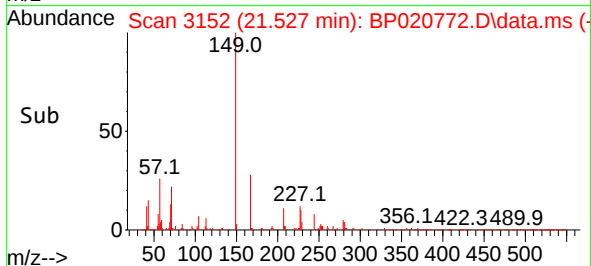
Instrument :
BNA_P
Client Sample Id :
A4CR7



Tgt Ion:149 Resp: 66084
Ion Ratio Lower Upper
149 100
167 28.8 22.0 33.0
279 6.5 3.3 4.9

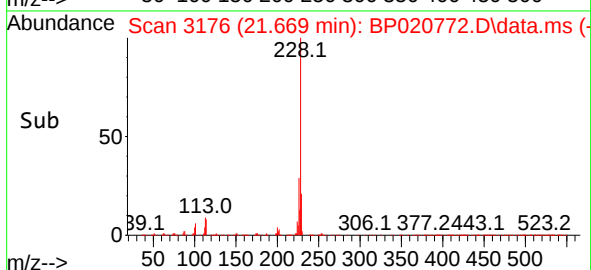
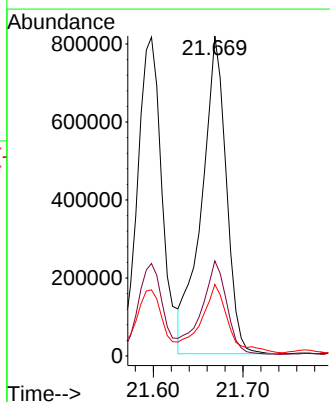
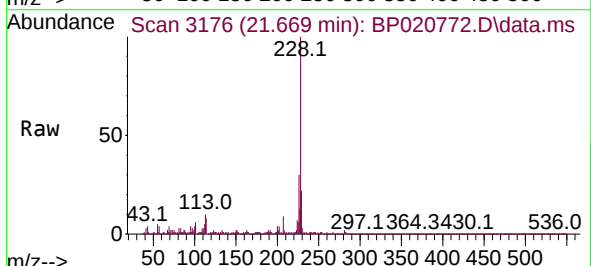
Manual Integrations
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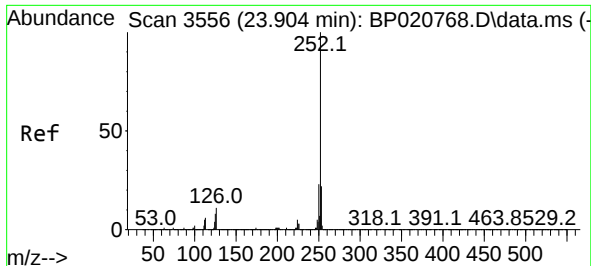
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#87
Chrysene
Concen: 22.566 ng/ul
RT: 21.669 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

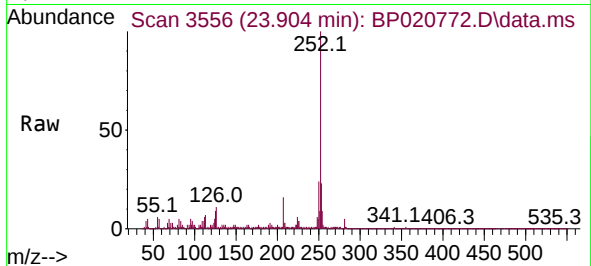
Tgt Ion:228 Resp: 1555187
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 22.4 16.1 24.1





#90
Benzo(b)fluoranthene
Concen: 21.530 ng/ul m
RT: 23.904 min Scan# 3556
Delta R.T. 0.000 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56

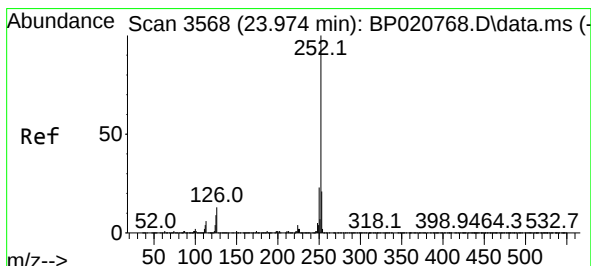
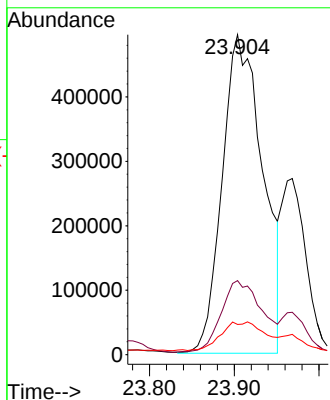
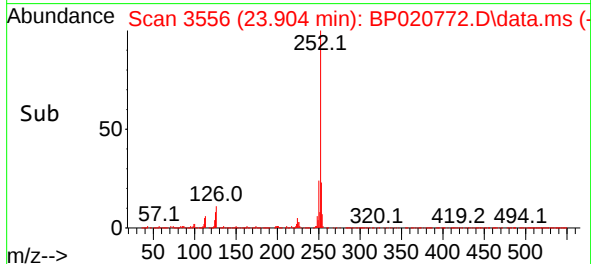
Instrument :
BNA_P
ClientSampleId :
A4CR7



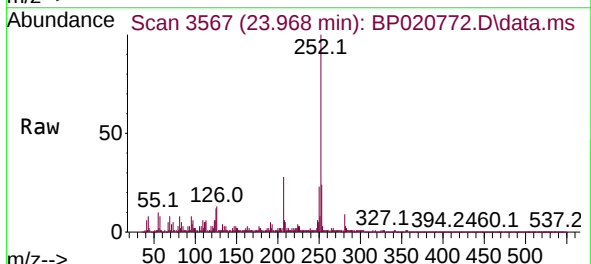
Tgt Ion:252 Resp: 1640189
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 9.5 7.9 11.9

Manual Integrations
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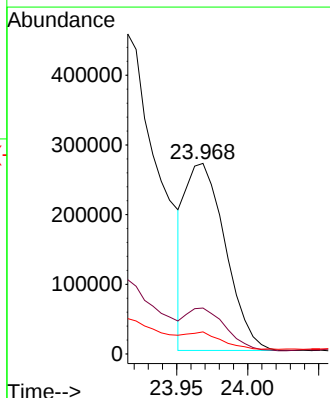
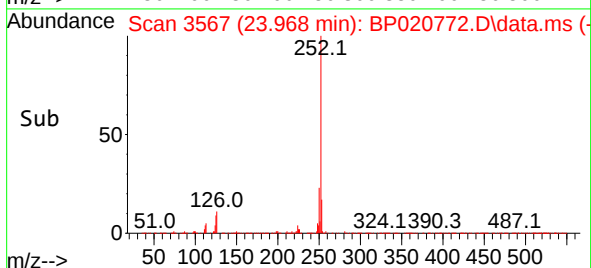
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024

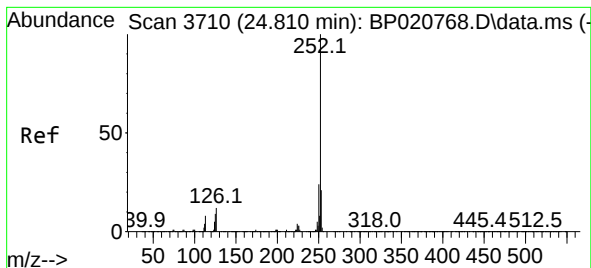


#91
Benzo(k)fluoranthene
Concen: 6.791 ng/ul
RT: 23.968 min Scan# 3567
Delta R.T. -0.006 min
Lab File: BP020772.D
Acq: 03 Jul 2024 15:56



Tgt Ion:252 Resp: 523305
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 11.6 7.9 11.9





#93

Benzo(a)pyrene

Concen: 9.708 ng/ul

RT: 24.810 min Scan# 3710

Delta R.T. 0.000 min

Lab File: BP020772.D

Acq: 03 Jul 2024 15:56

Instrument :

BNA_P

ClientSampleId :

A4CR7

Tgt Ion:252 Resp: 69816

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.2

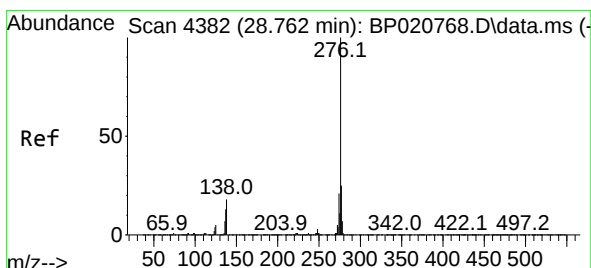
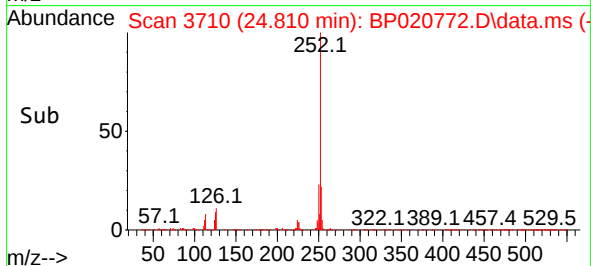
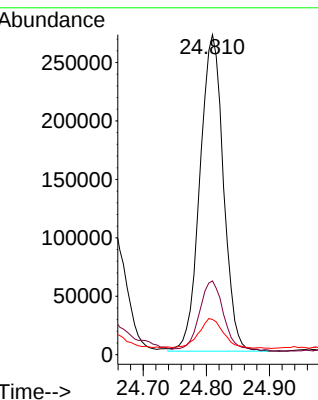
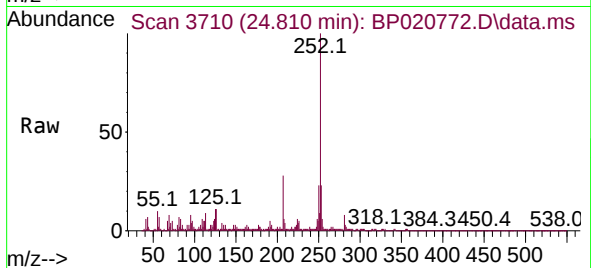
125 11.0 8.7 13.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.185 ng/ul

RT: 28.762 min Scan# 4382

Delta R.T. 0.000 min

Lab File: BP020772.D

Acq: 03 Jul 2024 15:56

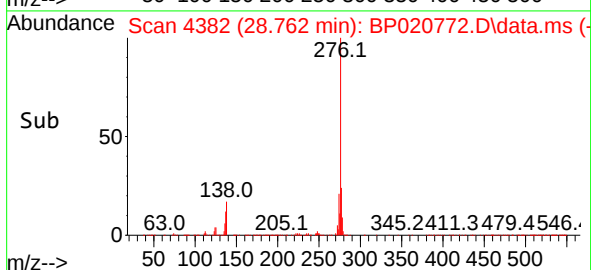
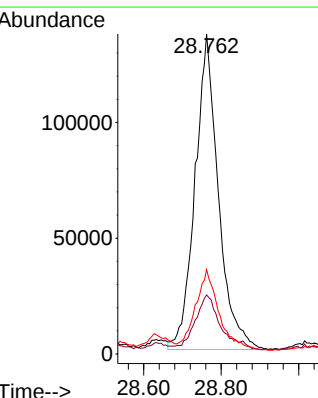
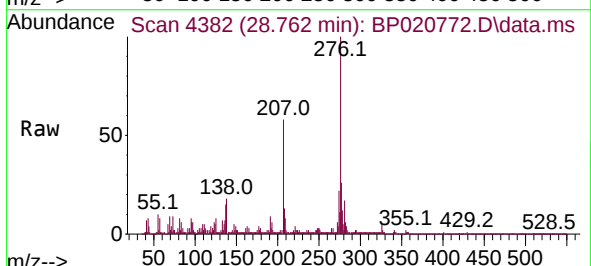
Tgt Ion:276 Resp: 570471

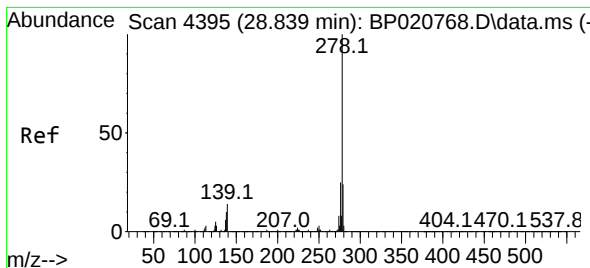
Ion Ratio Lower Upper

276 100

138 18.5 15.2 22.8

277 26.4 19.0 28.4





#95

Dibenzo(a,h)anthracene

Concen: 3.071 ng/ul m

RT: 28.839 min Scan# 4395

Delta R.T. 0.000 min

Lab File: BP020772.D

Acq: 03 Jul 2024 15:56

Instrument :

BNA_P

ClientSampleId :

A4CR7

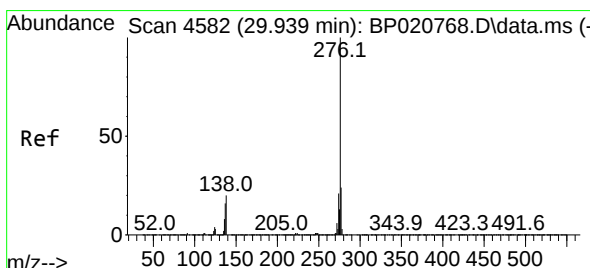
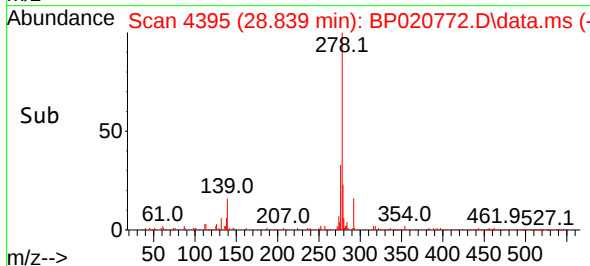
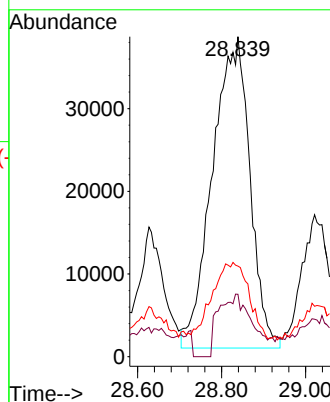
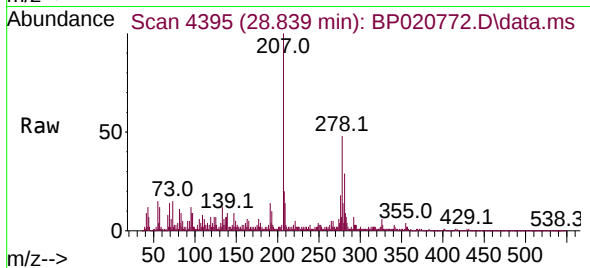
Tgt Ion:	278	Resp:	232820
Ion Ratio	Lower	Upper	
278	100		
139	19.5	11.1	16.7
279	28.3	18.7	28.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#96

Benzo(g,h,i)perylene

Concen: 1.149 ng/ul m

RT: 29.939 min Scan# 4582

Delta R.T. 0.000 min

Lab File: BP020772.D

Acq: 03 Jul 2024 15:56

Tgt Ion:	276	Resp:	86503
Ion Ratio	Lower	Upper	
276	100		
138	25.2	16.4	24.6
277	31.3	18.7	28.1

