

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070324\
 Data File : BP020777.D
 Acq On : 03 Jul 2024 20:12
 Operator : MA/JU
 Sample : P2964-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4CS2

Manual Integrations
 APPROVED

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

Quant Time: Jul 03 22:54:14 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	7.728	152	201725	20.000	ng/u1	0.00
20) Naphthalene-d8	10.505	136	818838	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.357	164	523789	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.175	188	1021138	20.000	ng/u1	0.01
79) Chrysene-d12	21.627	240	883410	20.000	ng/u1	0.00
88) Perylene-d12	24.974	264	1128844	20.000	ng/u1	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	9115	1.940	ng/uL	0.00
4) Pyridine-d5	3.687	84	33802	2.469	ng/u1	0.00
7) Phenol-d5	6.922	99	205187	12.402	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.075	67	134152	12.790	ng/u1	0.00
11) 2-Chlorophenol-d4	7.275	132	182724	13.513	ng/u1	0.00
15) 4-Methylphenol-d8	8.440	113	180869	13.460	ng/u1	0.00
21) Nitrobenzene-d5	8.881	128	89885	14.868	ng/u1	0.00
24) 2-Nitrophenol-d4	9.599	143	102727	16.980	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.134	165	184106	14.774	ng/u1	0.00
31) 4-Chloroaniline-d4	10.646	131	149466	8.558	ng/u1	0.00
46) Dimethylphthalate-d6	13.763	166	606907	16.665	ng/u1	0.00
49) Acenaphthylene-d8	14.051	160	670917	15.439	ng/u1	0.01
54) 4-Nitrophenol-d4	14.593	143	62501	11.232	ng/u1	0.01
60) Fluorene-d10	15.363	176	514492	16.788	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.528	200	36992	7.189	ng/u1	0.03
73) Anthracene-d10	17.281	188	762741	16.643	ng/u1	0.02
81) Pyrene-d10	19.657	212	731152	13.777	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.751	264	624453	11.372	ng/u1	0.01
Target Compounds					Qvalue	
30) Naphthalene	10.552	128	1242412	28.348	ng/u1	99
36) 2-Methylnaphthalene	12.169	142	765339	26.069	ng/u1	99
37) 1-Methylnaphthalene	12.375	142	527771	17.585	ng/u1	100
43) 1,1'-Biphenyl	13.181	154	154377	3.941	ng/u1	98
50) Acenaphthylene	14.081	152	69949	1.425	ng/u1#	73
52) Acenaphthene	14.428	153	2393325	73.500	ng/u1	99
56) Dibenzofuran	14.763	168	909901	20.737	ng/u1	98
61) Fluorene	15.428	166	2208328	62.640	ng/u1	99
72) Phenanthrene	17.228	178	18824872m	352.049	ng/u1	
74) Anthracene	17.322	178	4073129	74.053	ng/u1	99
77) Carbazole	17.598	167	1184425	26.092	ng/u1	99
80) Fluoranthene	19.322	202	15333554	236.529	ng/u1	99
82) Pyrene	19.704	202	15680546	235.850	ng/u1	98
85) Benzo(a)anthracene	21.610	228	8946670	144.488	ng/u1	95
87) Chrysene	21.680	228	9499459	162.306	ng/u1	97
90) Benzo(b)fluoranthene	23.939	252	9077716	132.741	ng/u1	98
91) Benzo(k)fluoranthene	23.998	252	3594267m	51.958	ng/u1	
93) Benzo(a)pyrene	24.827	252	4512687	69.903	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.792	276	3369016m	40.687	ng/u1	
95) Dibenzo(a,h)anthracene	28.839	278	1287557	18.919	ng/u1#	92
96) Benzo(g,h,i)perylene	29.956	276	466431m	6.899	ng/u1	

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

Instrument :

BNA_P

ClientSampleId :

A4CS2

Manual Integrations

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Supervised By :mohammad ahmed 07/05/2024

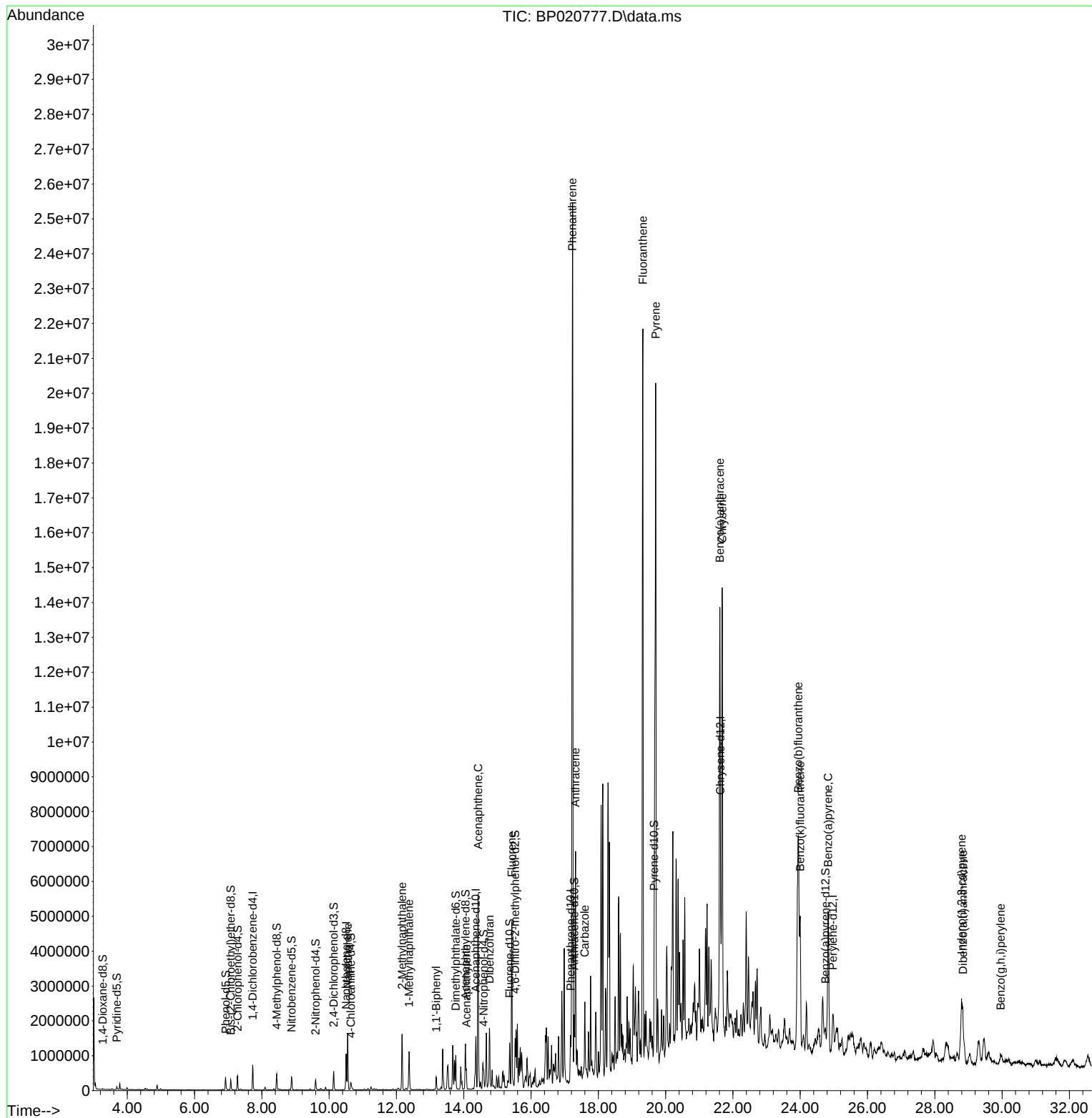
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070324\
Data File : BP020777.D
Acq On : 03 Jul 2024 20:12
Operator : MA/JU
Sample : P2964-07
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ALS Vial : 10 Sample Multiplier: 1

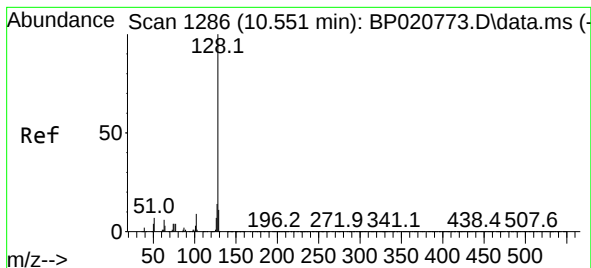
Instrument :
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ClientSampleId :
A4CS2

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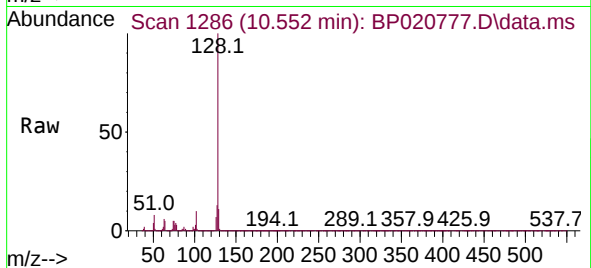
Quant Time: Jul 03 22:54:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 15:01:56 2024
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#30
Naphthalene
Concen: 28.348 ng/ul
RT: 10.552 min Scan# 1286
Delta R.T. 0.006 min
Lab File: BP020777.D
Acq: 03 Jul 2024 20:12

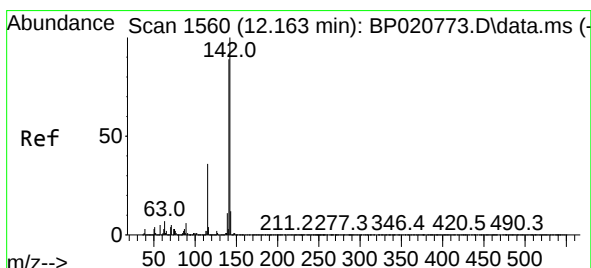
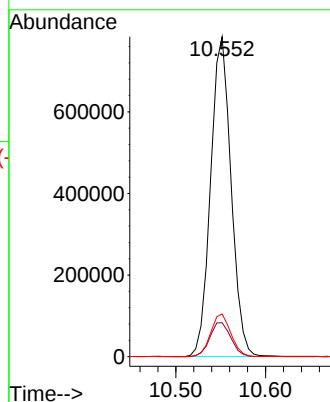
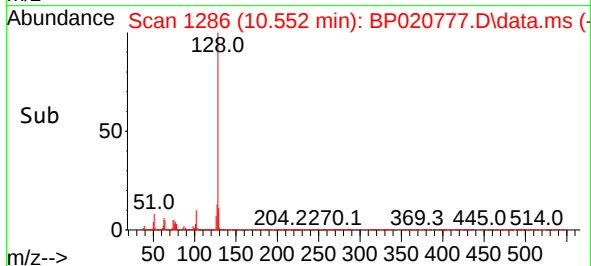
Instrument :
BNA_P
ClientSampleId :
A4CS2



Tgt Ion:128 Resp: 124241
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.4 10.6 15.8

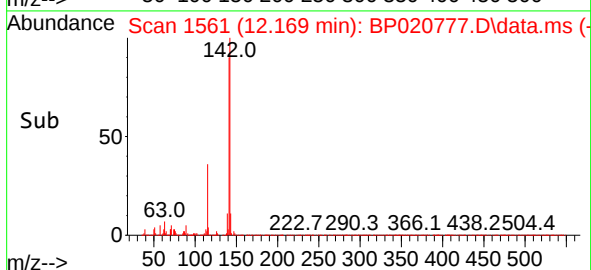
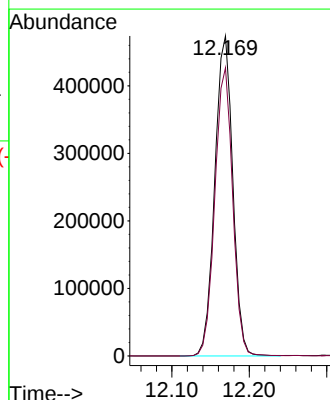
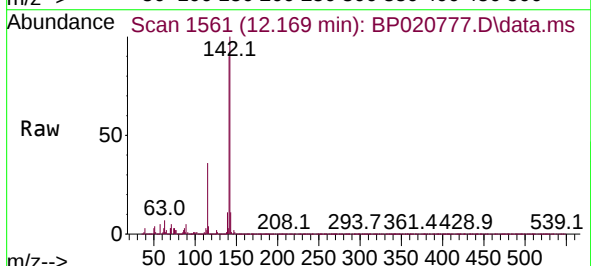
Manual Integrations
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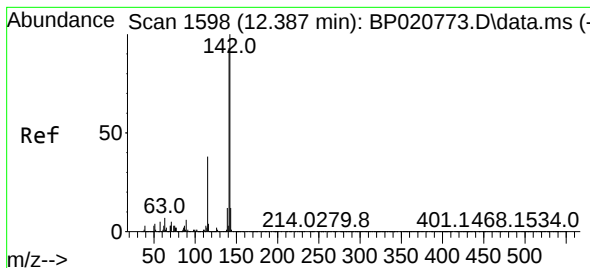
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#36
2-Methylnaphthalene
Concen: 26.069 ng/ul
RT: 12.169 min Scan# 1561
Delta R.T. 0.012 min
Lab File: BP020777.D
Acq: 03 Jul 2024 20:12

Tgt Ion:142 Resp: 765339
Ion Ratio Lower Upper
142 100
141 90.1 71.1 106.7





#37

1-Methylnaphthalene

Concen: 17.585 ng/ul

RT: 12.375 min Scan# 1596

Delta R.T. 0.000 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

Instrument :

BNP_P

ClientSampleId :

A4CS2

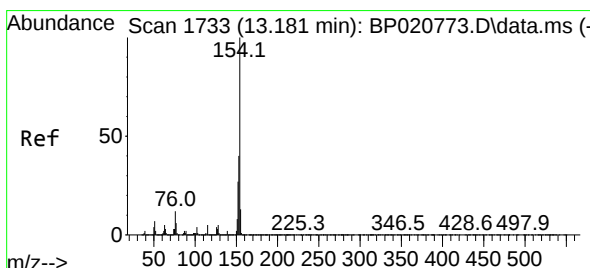
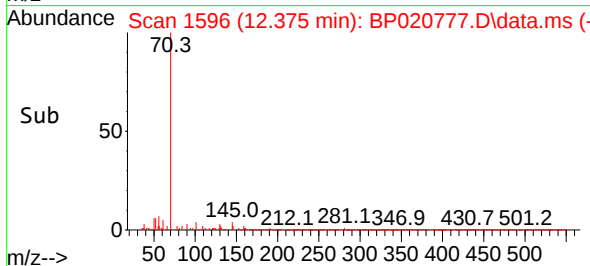
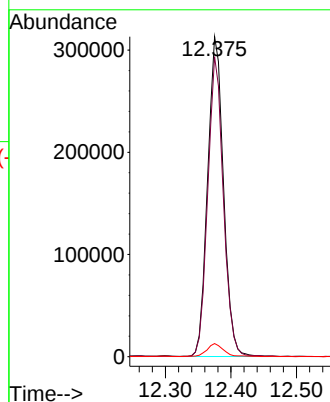
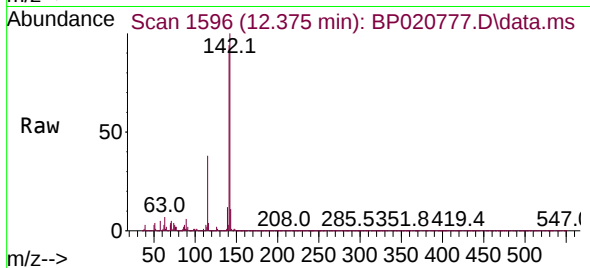
Tgt Ion:	142	Resp:	52777
Ion Ratio	Lower	Upper	
142	100		
141	93.7	74.9	112.3
116	4.1	3.3	4.9

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#43

1,1'-Biphenyl

Concen: 3.941 ng/ul

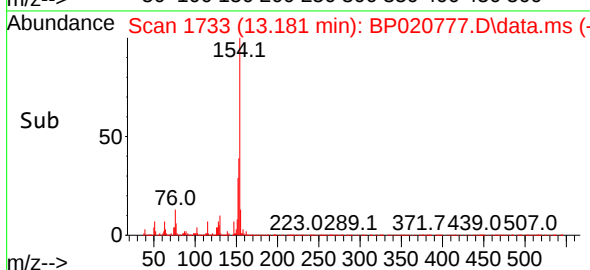
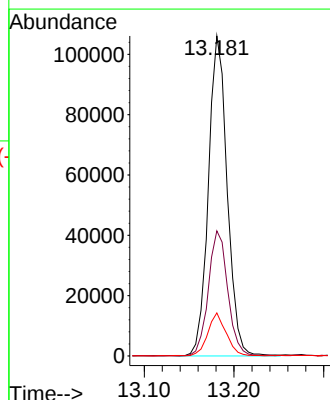
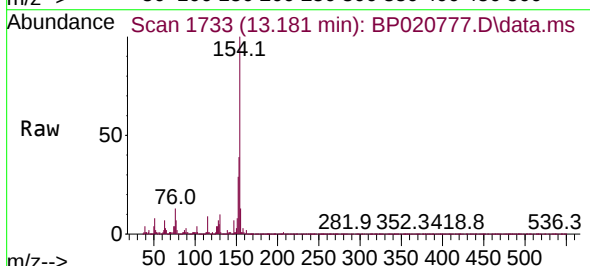
RT: 13.181 min Scan# 1733

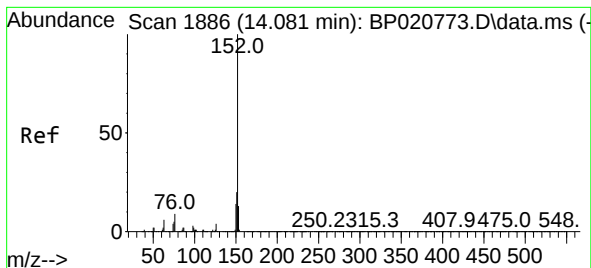
Delta R.T. 0.006 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

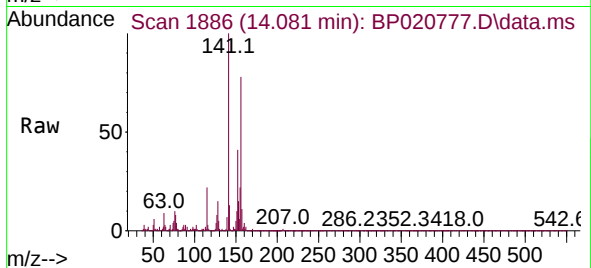
Tgt Ion:	154	Resp:	154377
Ion Ratio	Lower	Upper	
154	100		
153	39.1	32.6	48.8
76	13.4	10.8	16.2





#50
Acenaphthylene
Concen: 1.425 ng/ul
RT: 14.081 min Scan# 1886
Delta R.T. 0.012 min
Lab File: BP020777.D
Acq: 03 Jul 2024 20:12

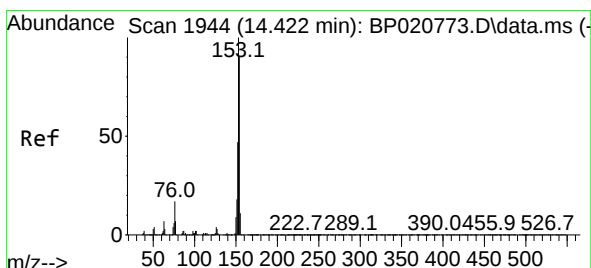
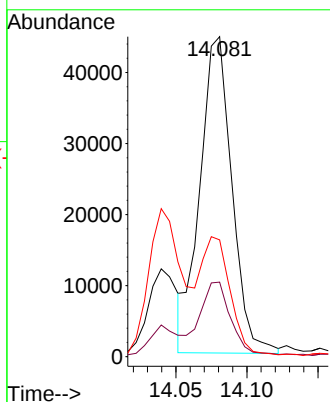
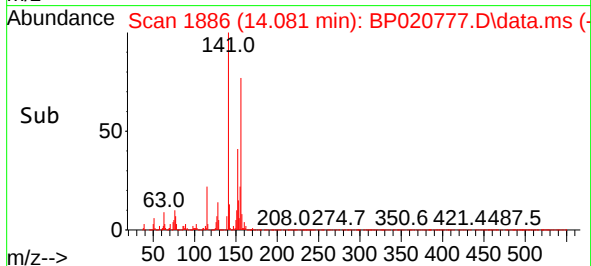
Instrument :
BNA_P
ClientSampleId :
A4CS2



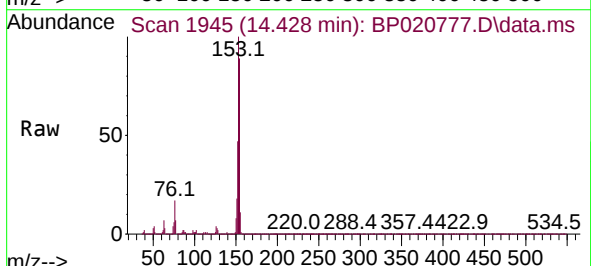
Tgt Ion:152 Resp: 69949
Ion Ratio Lower Upper
152 100
151 23.3 16.2 24.4
153 36.5 10.8 16.2

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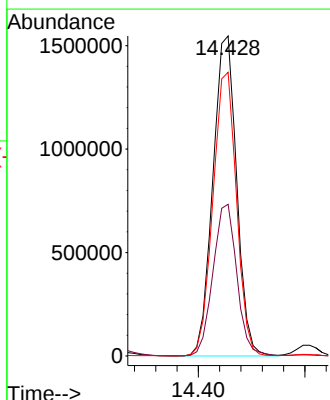
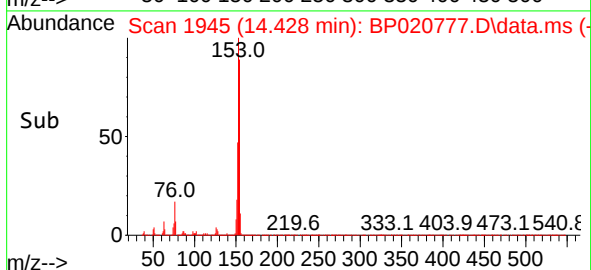
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024

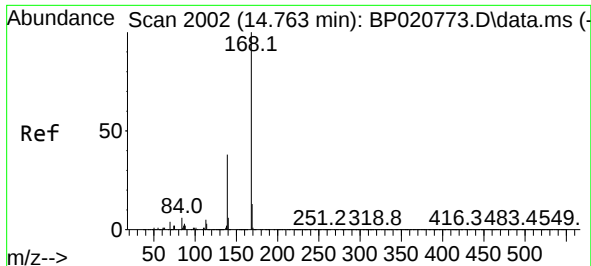


#52
Acenaphthene
Concen: 73.500 ng/ul
RT: 14.428 min Scan# 1945
Delta R.T. 0.012 min
Lab File: BP020777.D
Acq: 03 Jul 2024 20:12



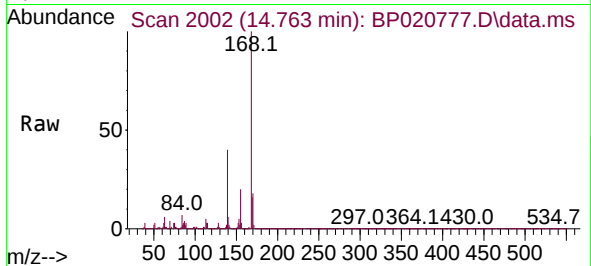
Tgt Ion:153 Resp: 2393325
Ion Ratio Lower Upper
153 100
152 47.4 38.2 57.2
154 88.6 69.8 104.6





#56
Dibenzenofuran
Concen: 20.737 ng/ul
RT: 14.763 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP020777.D
Acq: 03 Jul 2024 20:12

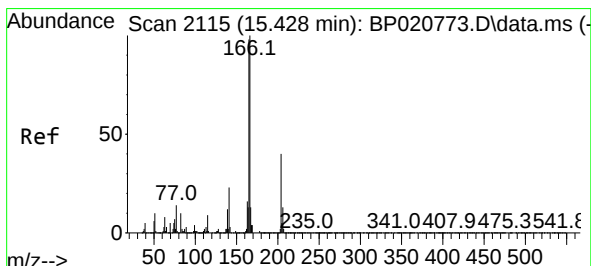
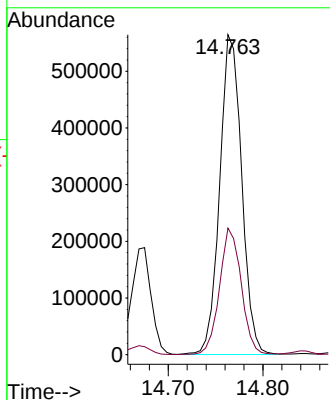
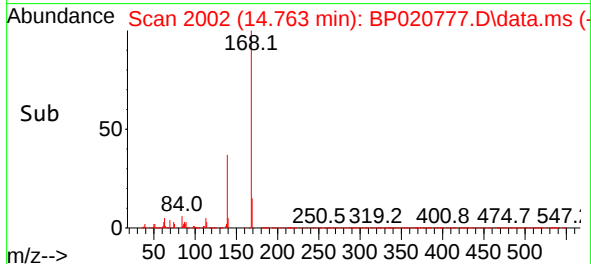
Instrument :
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ClientSampleId :
A4CS2



Tgt Ion:168 Resp: 90990
Ion Ratio Lower Upper
168 100
139 39.5 30.7 46.1

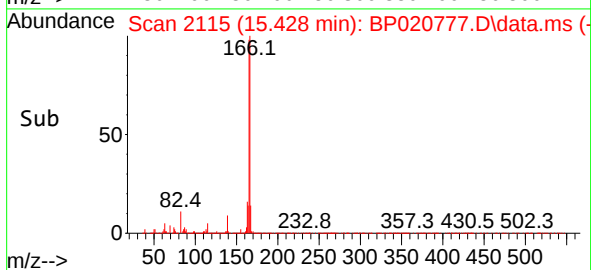
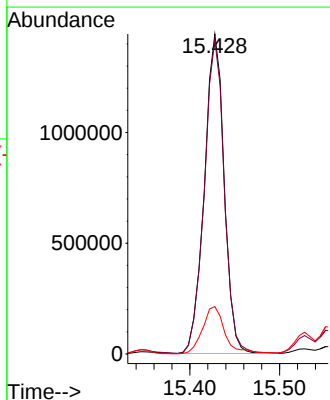
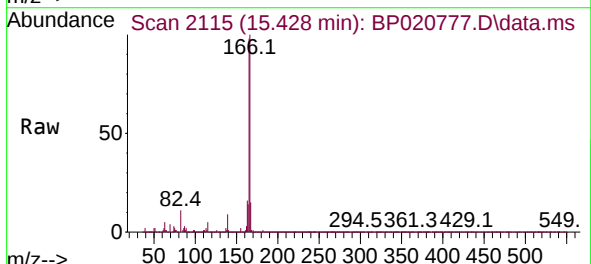
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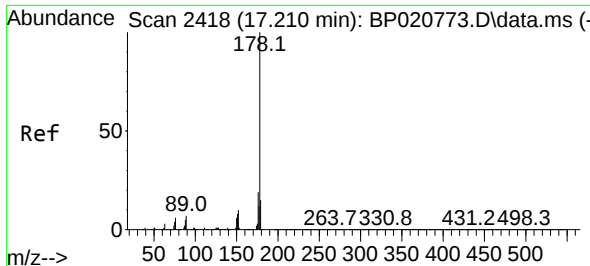
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#61
Fluorene
Concen: 62.640 ng/ul
RT: 15.428 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BP020777.D
Acq: 03 Jul 2024 20:12

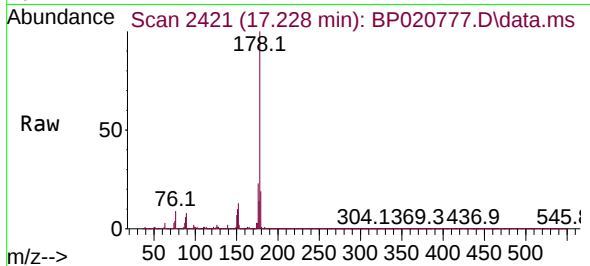
Tgt Ion:166 Resp: 2208328
Ion Ratio Lower Upper
166 100
165 98.1 78.8 118.2
167 14.8 11.2 16.8





#72
Phenanthrene
Concen: 352.049 ng/ul m
RT: 17.228 min Scan# 2418
Delta R.T. 0.024 min
Lab File: BP020777.D
Acq: 03 Jul 2024 20:12

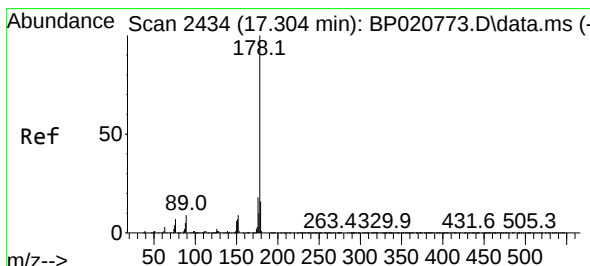
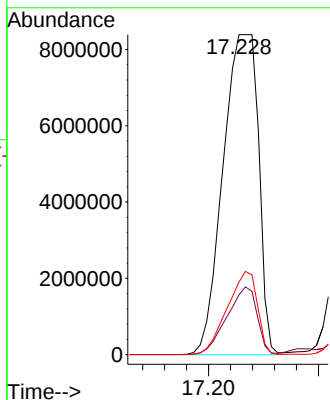
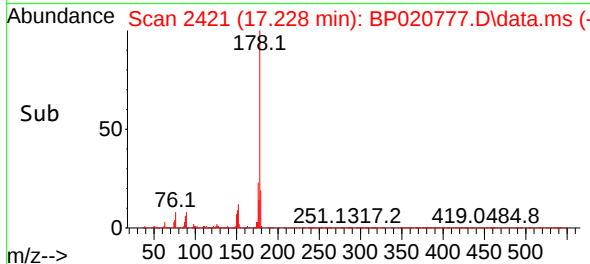
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Tgt Ion:178 Resp:1882487
Ion Ratio Lower Upper
178 100
179 18.7 12.4 18.6
176 22.7 15.4 23.2

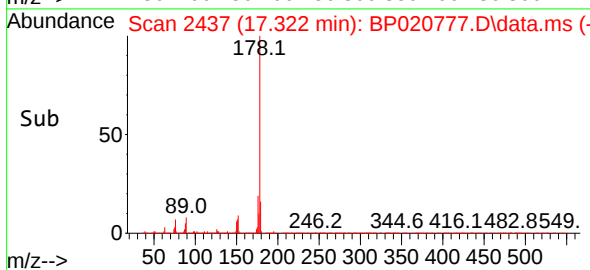
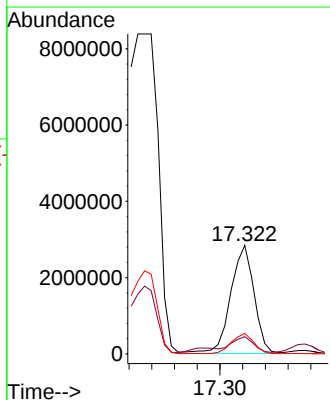
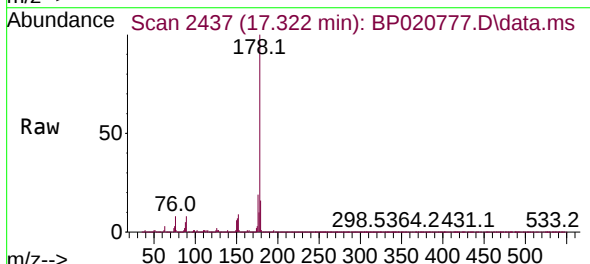
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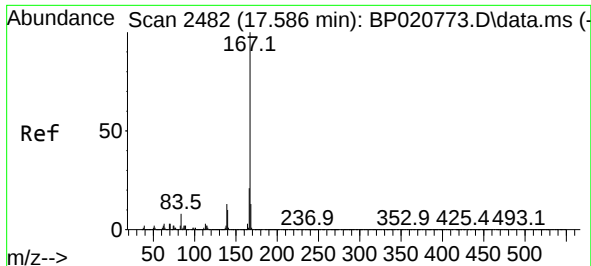
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#74
Anthracene
Concen: 74.053 ng/ul
RT: 17.322 min Scan# 2437
Delta R.T. 0.024 min
Lab File: BP020777.D
Acq: 03 Jul 2024 20:12

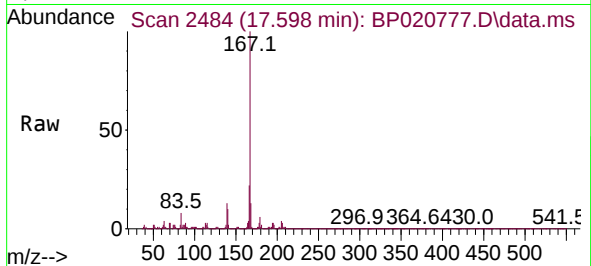
Tgt Ion:178 Resp: 4073129
Ion Ratio Lower Upper
178 100
179 15.9 12.1 18.1
176 18.9 15.0 22.4





#77
 Carbazole
 Concen: 26.092 ng/u1
 RT: 17.598 min Scan# 2482
 Delta R.T. 0.012 min
 Lab File: BP020777.D
 Acq: 03 Jul 2024 20:12

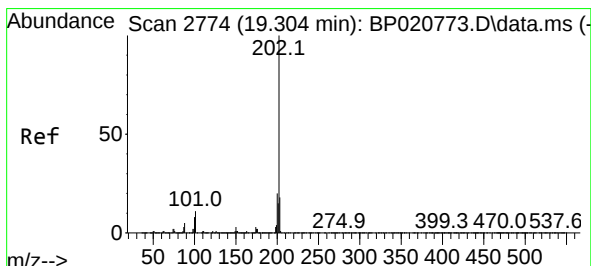
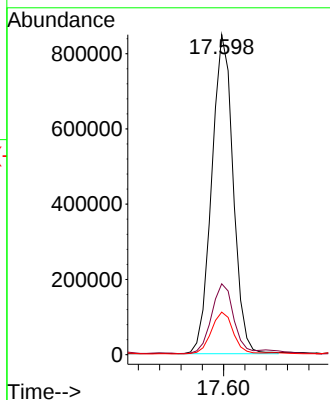
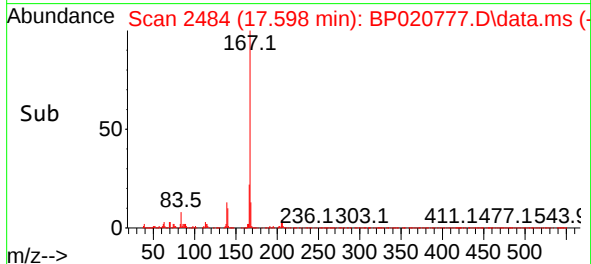
Instrument :
 BNA_P
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 A4CS2



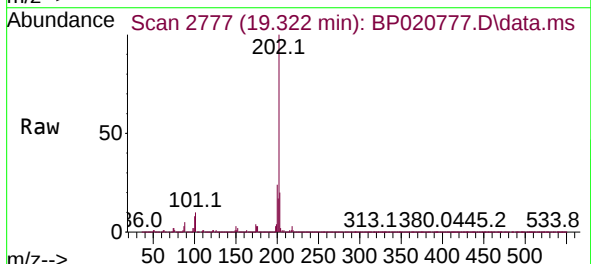
Tgt Ion:167 Resp: 1184425
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.2 25.8
 139 13.3 10.6 16.0

Manual Integrations
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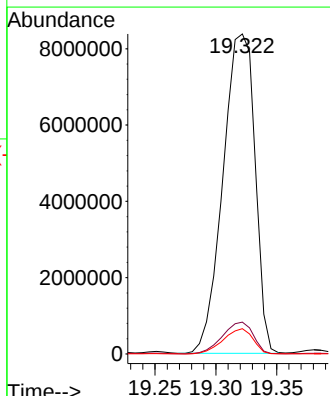
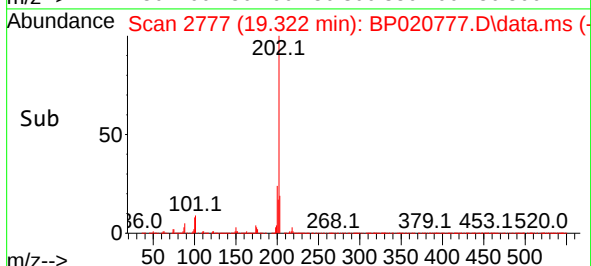
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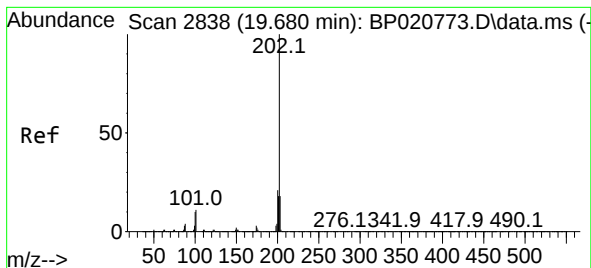


#80
 Fluoranthene
 Concen: 236.529 ng/u1
 RT: 19.322 min Scan# 2777
 Delta R.T. 0.024 min
 Lab File: BP020777.D
 Acq: 03 Jul 2024 20:12



Tgt Ion:202 Resp:15333554
 Ion Ratio Lower Upper
 202 100
 101 10.0 8.2 12.4
 100 7.9 6.6 10.0





#82

Pyrene

Concen: 235.850 ng/ul

RT: 19.704 min Scan# 21

Delta R.T. 0.024 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

Instrument :

BNA_P

ClientSampleId :

A4CS2

Tgt Ion:202 Resp:1568054

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

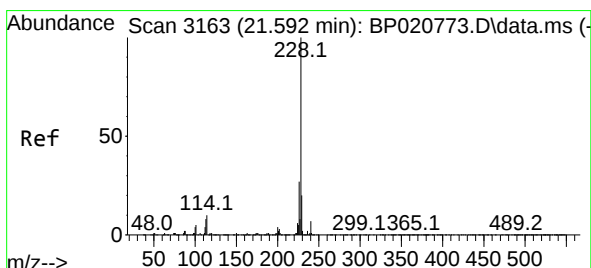
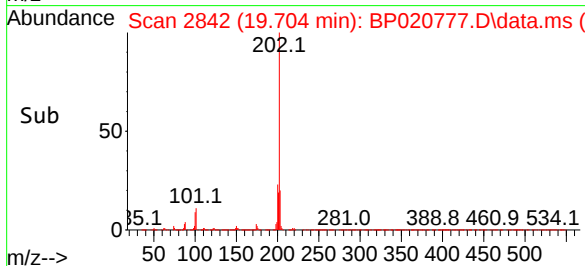
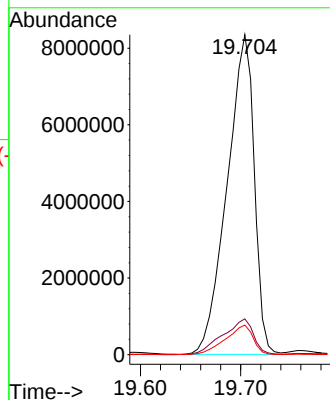
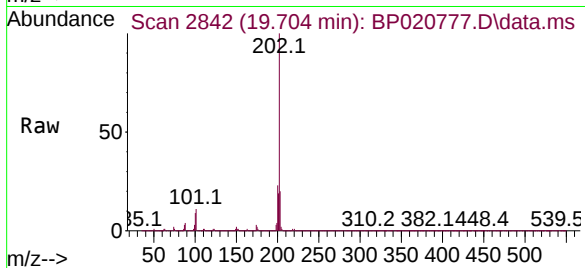
100 9.3 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#85

Benzo(a)anthracene

Concen: 144.488 ng/ul

RT: 21.610 min Scan# 3166

Delta R.T. 0.012 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

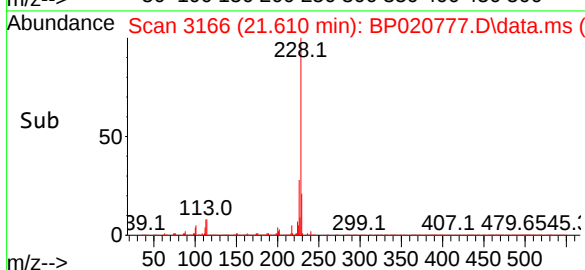
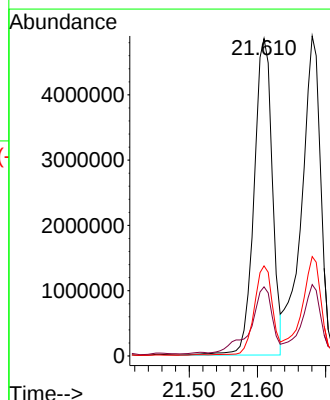
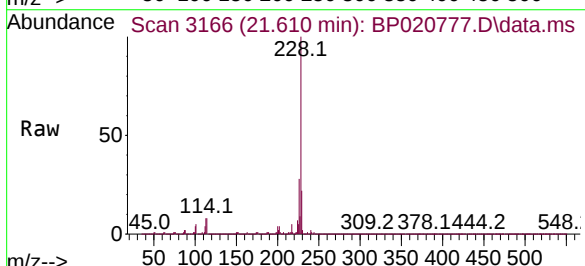
Tgt Ion:228 Resp: 8946670

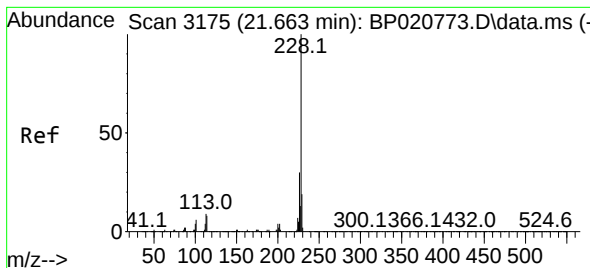
Ion Ratio Lower Upper

228 100

229 21.8 15.2 22.8

226 28.4 21.1 31.7





#87

Chrysene

Concen: 162.306 ng/u1

RT: 21.680 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

Instrument :

BNA_P

ClientSampleId :

A4CS2

Tgt Ion:228 Resp: 949945

Ion Ratio Lower Upper

228 100

226 31.1 23.8 35.6

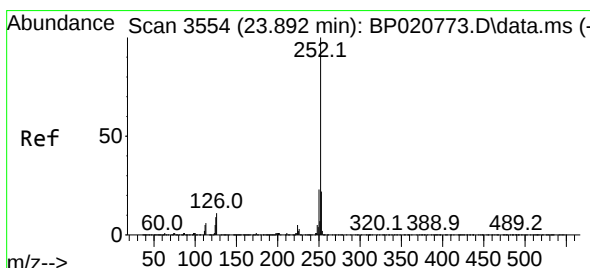
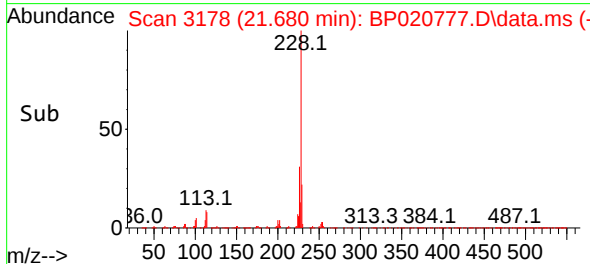
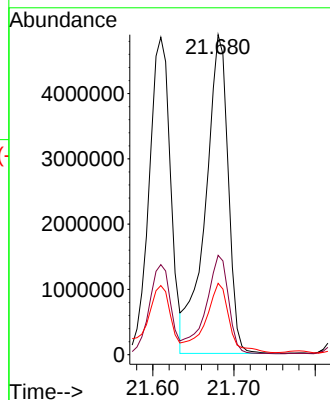
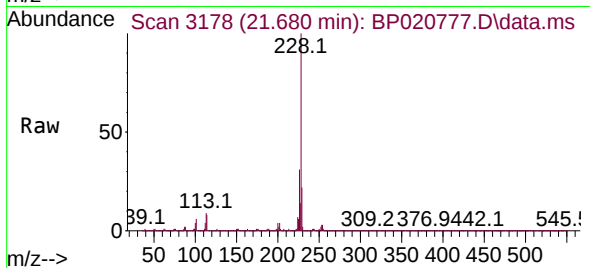
229 22.3 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#90

Benzo(b)fluoranthene

Concen: 132.741 ng/u1

RT: 23.939 min Scan# 3562

Delta R.T. 0.035 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

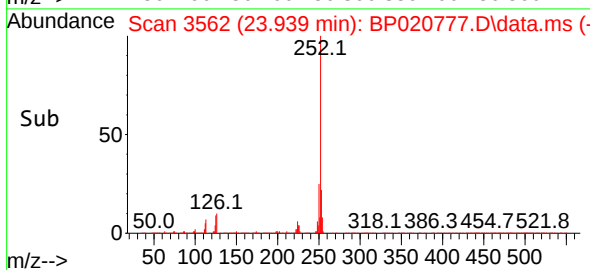
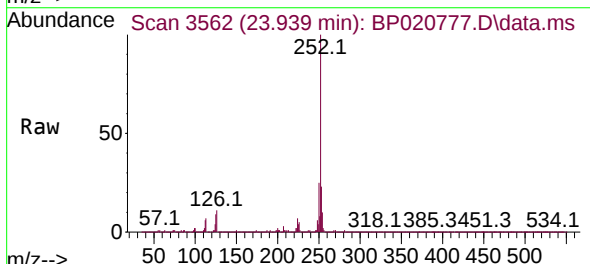
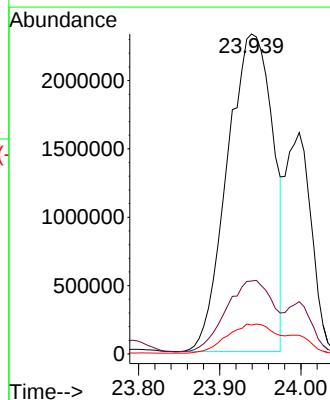
Tgt Ion:252 Resp: 9077716

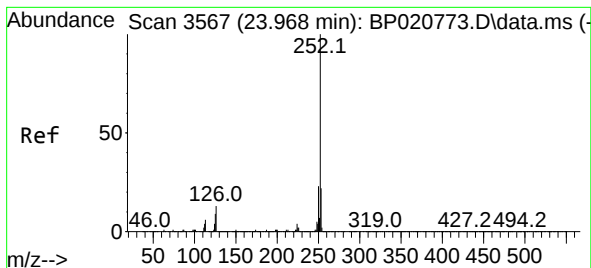
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 9.0 7.9 11.9





#91

Benzo(k)fluoranthene

Concen: 51.958 ng/ul m

RT: 23.998 min Scan# 3

Delta R.T. 0.024 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

Instrument :

BNA_P

ClientSampleId :

A4CS2

Tgt Ion:252 Resp: 359426

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

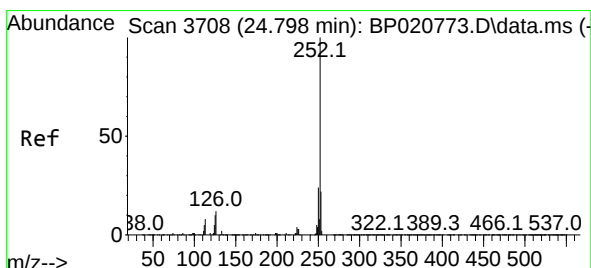
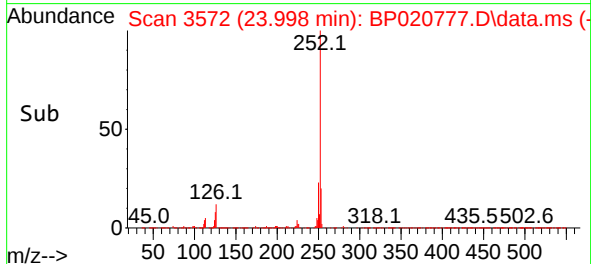
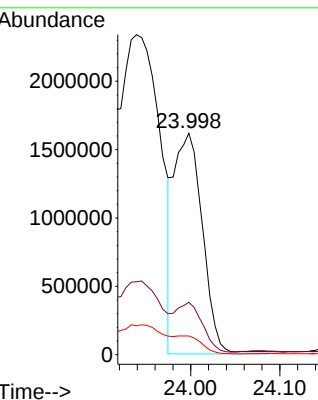
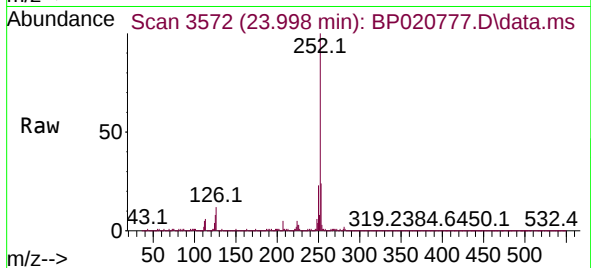
125 8.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#93

Benzo(a)pyrene

Concen: 69.903 ng/ul

RT: 24.827 min Scan# 3713

Delta R.T. 0.018 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

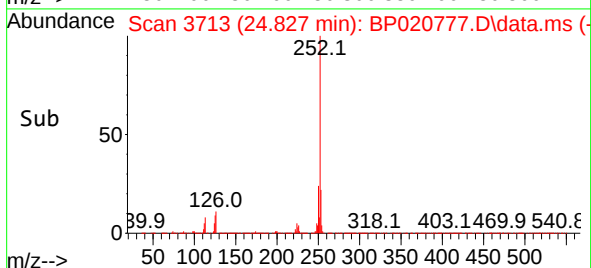
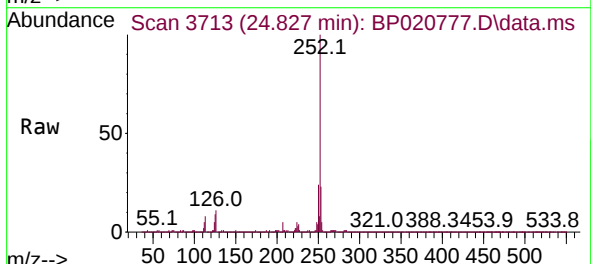
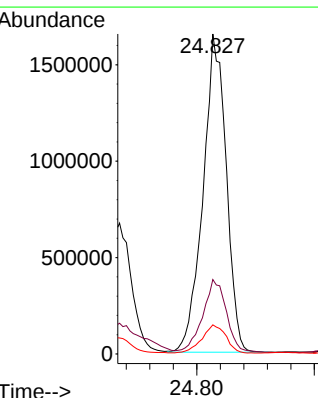
Tgt Ion:252 Resp: 4512687

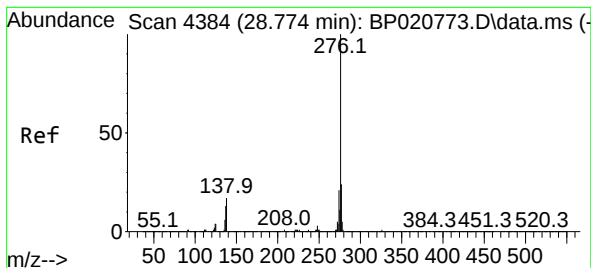
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

125 9.1 8.7 13.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 40.687 ng/ul m

RT: 28.792 min Scan# 4387

Delta R.T. 0.029 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

Instrument :

BNA_P

ClientSampleId :

A4CS2

Tgt Ion:276 Resp: 3369010

Ion Ratio Lower Upper

276 100

138 16.4 15.2 22.8

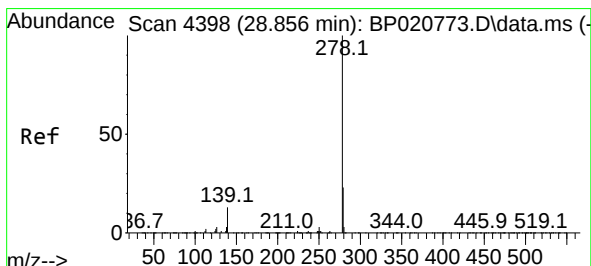
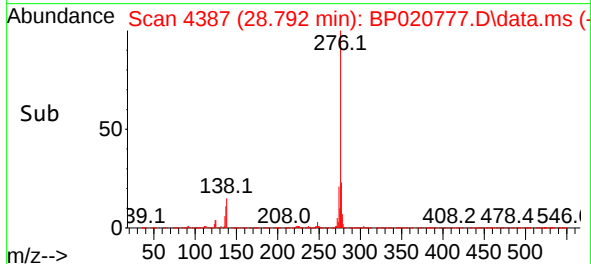
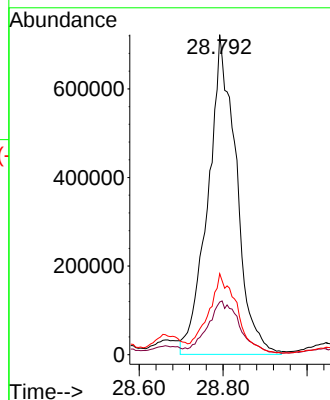
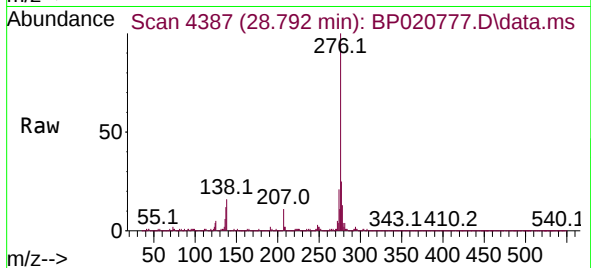
277 25.3 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#95

Dibenzo(a,h)anthracene

Concen: 18.919 ng/ul

RT: 28.839 min Scan# 4395

Delta R.T. 0.000 min

Lab File: BP020777.D

Acq: 03 Jul 2024 20:12

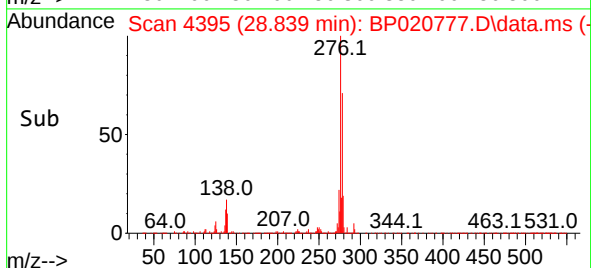
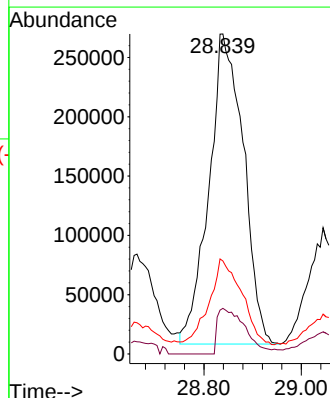
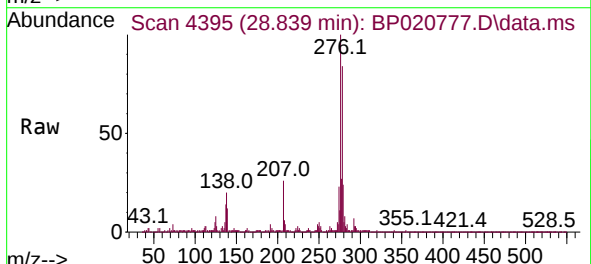
Tgt Ion:278 Resp: 1287557

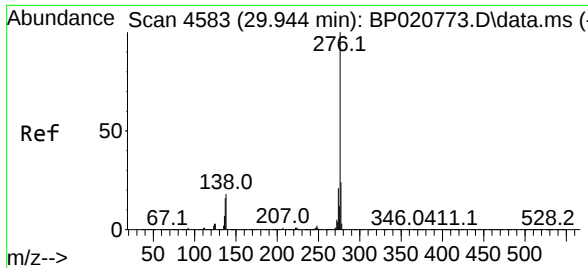
Ion Ratio Lower Upper

278 100

139 14.3 11.1 16.7

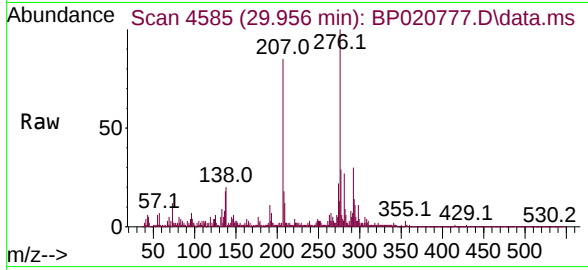
279 29.1 18.7 28.1#





#96
Benzo(g,h,i)perylene
Concen: 6.899 ng/ul m
RT: 29.956 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP020777.D
Acq: 03 Jul 2024 20:12

Instrument :
BNA_P
ClientSampleId :
A4CS2



Tgt Ion:276 Resp: 46643
Ion Ratio Lower Upper
276 100
138 20.3 16.4 24.6
277 28.9 18.7 28.1

Manual Integrations
APPROVED

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

