

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
 Data File : BP021035.D
 Acq On : 18 Jul 2024 04:20
 Operator : MA/JU
 Sample : P3215-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C09

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 18 05:26:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 15 12:22:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	160151	20.000	ng/u1	0.00
20) Naphthalene-d8	10.452	136	690744	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.316	164	512229	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.128	188	1162715	20.000	ng/u1	0.01
79) Chrysene-d12	21.575	240	1068609	20.000	ng/u1	0.02
88) Perylene-d12	24.880	264	1320222	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	10324	2.934	ng/uL	0.00
4) Pyridine-d5	3.670	84	20846	2.046	ng/u1	0.02
7) Phenol-d5	6.905	99	260371	19.942	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.040	67	152205	19.236	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	221740	20.612	ng/u1	0.00
15) 4-Methylphenol-d8	8.411	113	131043	12.084	ng/u1	0.02
21) Nitrobenzene-d5	8.840	128	110609	20.616	ng/u1	0.01
24) 2-Nitrophenol-d4	9.552	143	131039	21.340	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.099	165	224919	20.256	ng/u1	0.01
31) 4-Chloroaniline-d4	10.616	131	60485	4.112	ng/u1	0.03
46) Dimethylphthalate-d6	13.722	166	788310	21.170	ng/u1	0.01
49) Acenaphthylene-d8	14.010	160	902573	21.587	ng/u1	0.00
54) 4-Nitrophenol-d4	14.587	143	110968m	20.945	ng/u1	0.02
60) Fluorene-d10	15.328	176	711479	23.290	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	96827	13.764	ng/u1	0.02
73) Anthracene-d10	17.234	188	1107378	21.443	ng/u1	0.01
81) Pyrene-d10	19.610	212	951248	14.398	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.663	264	689376	10.587	ng/u1	0.06
Target Compounds						
					Qvalue	
30) Naphthalene	10.505	128	260651	7.174	ng/u1	98
36) 2-Methylnaphthalene	12.116	142	77798	3.119	ng/u1	99
37) 1-Methylnaphthalene	12.328	142	56233	2.192	ng/u1	95
50) Acenaphthylene	14.040	152	167670	3.542	ng/u1	99
52) Acenaphthene	14.381	153	354666	11.288	ng/u1	100
56) Dibenzofuran	14.722	168	328467	7.634	ng/u1	97
61) Fluorene	15.387	166	351644	10.015	ng/u1	99
72) Phenanthrene	17.181	178	6293212	104.336	ng/u1	99
74) Anthracene	17.269	178	1109844	18.049	ng/u1	100
77) Carbazole	17.551	167	552493	10.991	ng/u1	99
78) Di-n-butylphthalate	18.128	149	127841	1.843	ng/u1	96
80) Fluoranthene	19.269	202	8668068	108.644	ng/u1	98
82) Pyrene	19.645	202	5138457	63.291	ng/u1	100
83) Butylbenzylphthalate	20.586	149	45133	1.334	ng/u1#	90
85) Benzo(a)anthracene	21.557	228	4176948	55.799	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.463	149	336002	6.902	ng/u1#	97
87) Chrysene	21.622	228	4102932	58.986	ng/u1	97
90) Benzo(b)fluoranthene	23.851	252	5279980	65.903	ng/u1	97
91) Benzo(k)fluoranthene	23.916	252	2235439m	27.959	ng/u1	
93) Benzo(a)pyrene	24.721	252	1542704	20.377	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.651	276	1656594m	16.980	ng/u1	
95) Dibenzo(a,h)anthracene	28.686	278	726150m	8.988	ng/u1	
96) Benzo(g,h,i)perylene	29.821	276	203612m	2.563	ng/u1	

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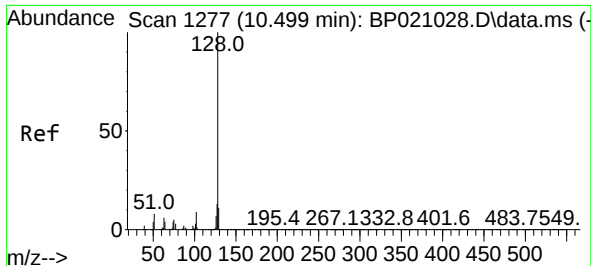
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APPROVED

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 15 12:22:22 2024
Response via : Initial Calibration

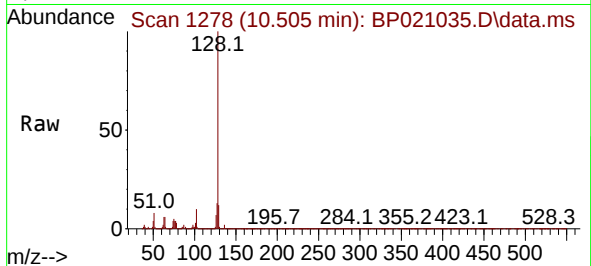
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#30
Naphthalene
Concen: 7.174 ng/ul
RT: 10.505 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BP021035.D
Acq: 18 Jul 2024 04:20

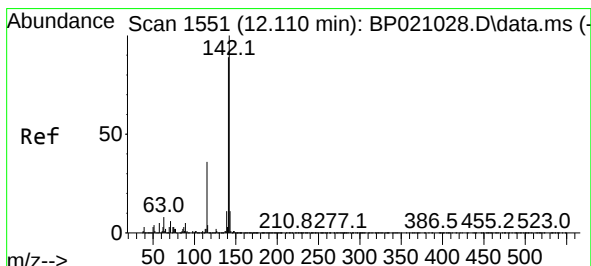
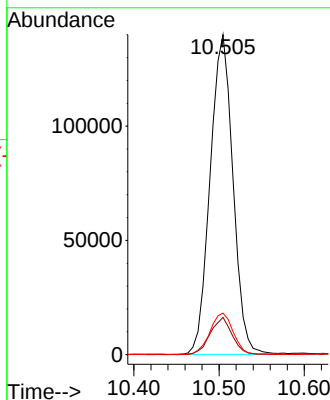
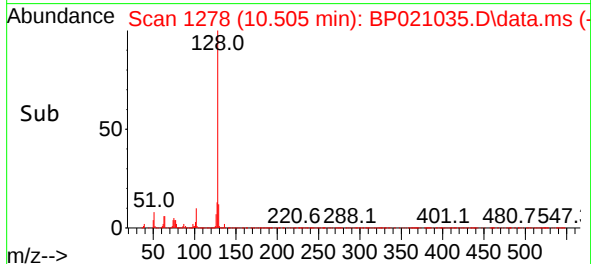
Instrument :
BNA_P
ClientSampleId :
A4C09



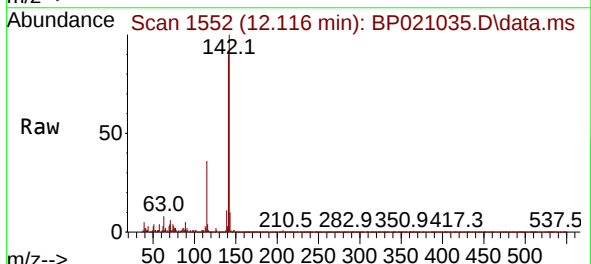
Tgt Ion:128 Resp: 26065
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 13.0 10.8 16.2

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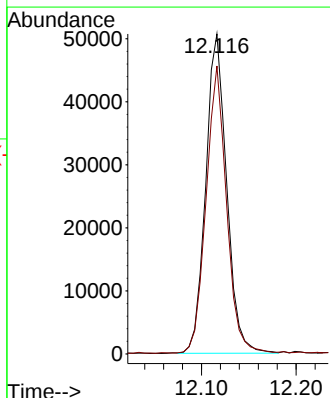
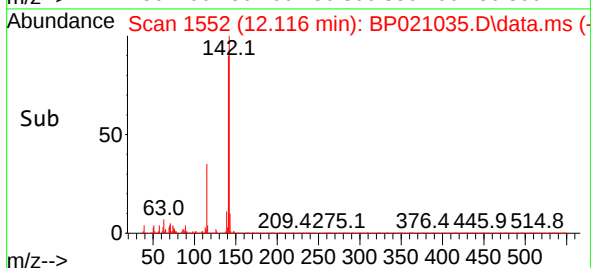
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

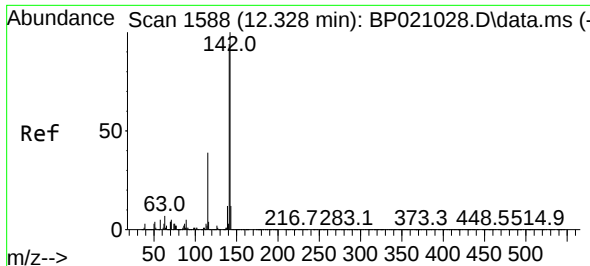


#36
2-Methylnaphthalene
Concen: 3.119 ng/ul
RT: 12.116 min Scan# 1552
Delta R.T. 0.012 min
Lab File: BP021035.D
Acq: 18 Jul 2024 04:20



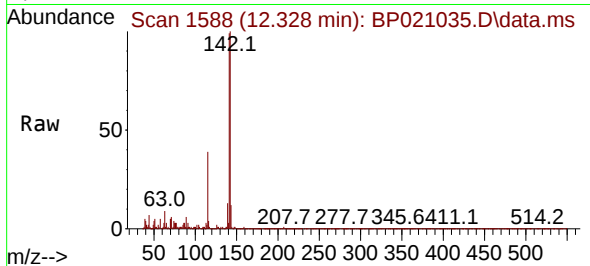
Tgt Ion:142 Resp: 77798
Ion Ratio Lower Upper
142 100
141 90.0 72.6 108.8





#37
1-Methylnaphthalene
Concen: 2.192 ng/ul
RT: 12.328 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BP021035.D
Acq: 18 Jul 2024 04:20

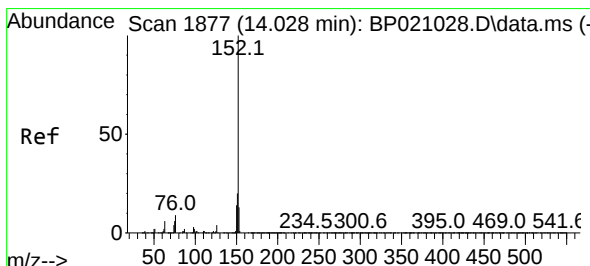
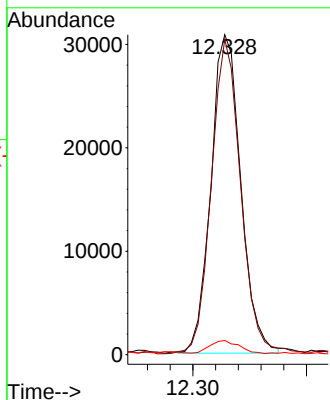
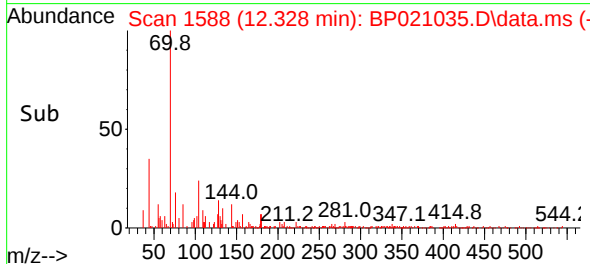
Instrument :
BNA_P
ClientSampleId :
A4C09



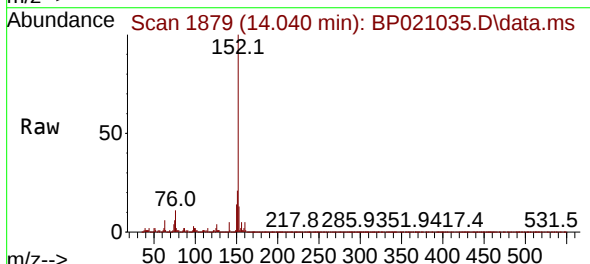
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Ion Ratio Lower Upper
142 100
141 98.6 75.0 112.6
116 4.4 3.2 4.8

Manual Integrations
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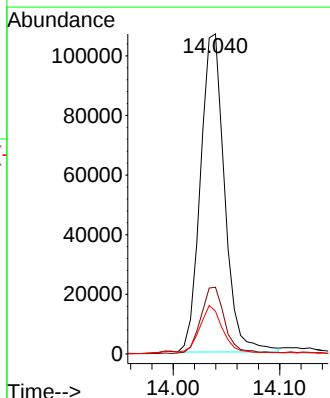
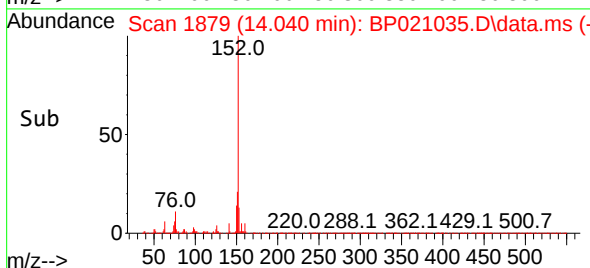
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

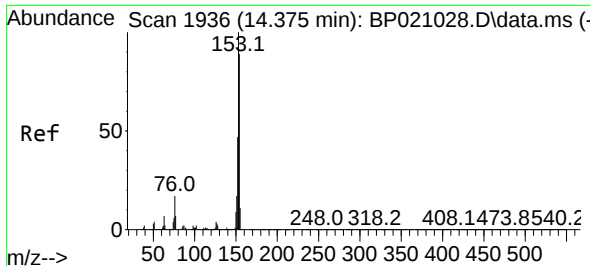


#50
Acenaphthylene
Concen: 3.542 ng/ul
RT: 14.040 min Scan# 1879
Delta R.T. 0.012 min
Lab File: BP021035.D
Acq: 18 Jul 2024 04:20



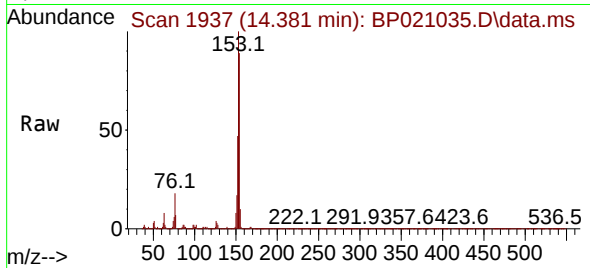
Tgt Ion:152 Resp: 167670
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2
153 13.3 10.3 15.5





#52
Acenaphthene
Concen: 11.288 ng/u1
RT: 14.381 min Scan# 1937
Delta R.T. 0.012 min
Lab File: BP021035.D
Acq: 18 Jul 2024 04:20

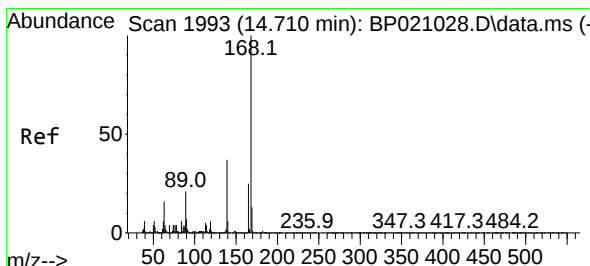
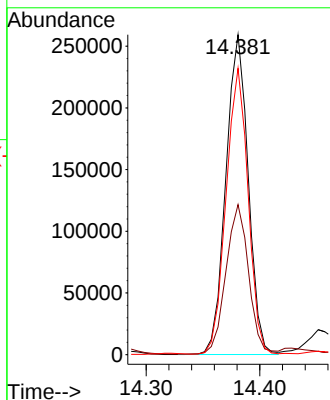
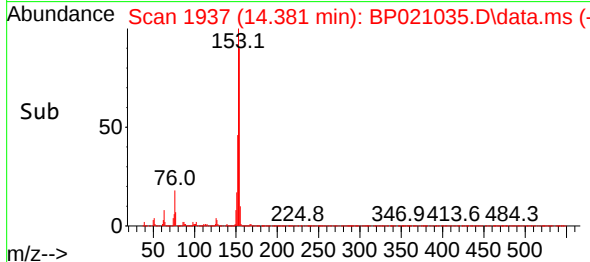
Instrument :
BNA_P
ClientSampleId :
A4C09



Tgt Ion:153 Resp: 354660
Ion Ratio Lower Upper
153 100
152 46.9 37.8 56.6
154 89.5 71.8 107.6

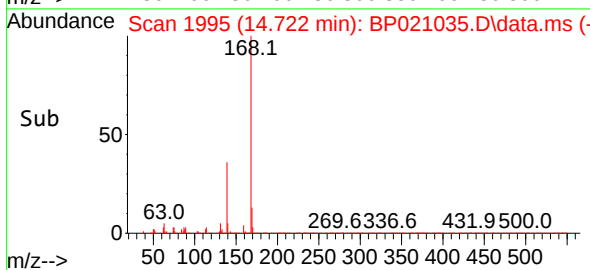
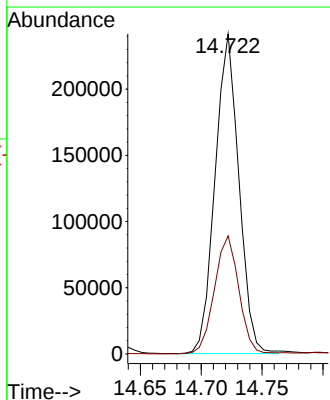
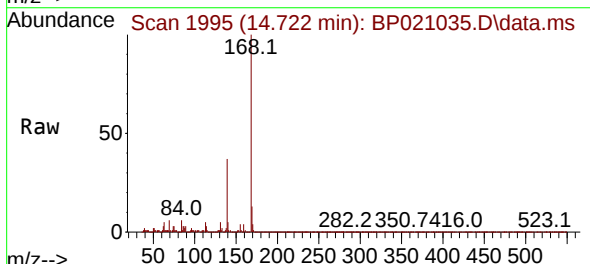
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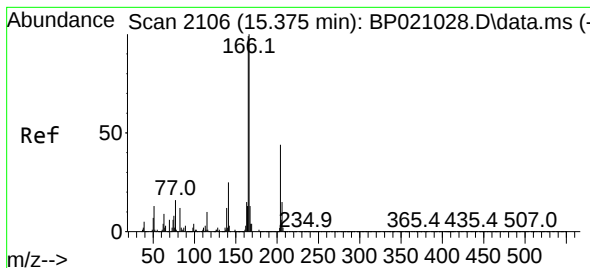
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#56
Dibenzofuran
Concen: 7.634 ng/u1
RT: 14.722 min Scan# 1995
Delta R.T. 0.012 min
Lab File: BP021035.D
Acq: 18 Jul 2024 04:20

Tgt Ion:168 Resp: 328467
Ion Ratio Lower Upper
168 100
139 36.9 31.1 46.7





#61

Fluorene

Concen: 10.015 ng/ul

RT: 15.387 min Scan# 2106

Delta R.T. 0.012 min

Lab File: BP021035.D

Acq: 18 Jul 2024 04:20

Instrument :

BNA_P

ClientSampleId :

A4C09

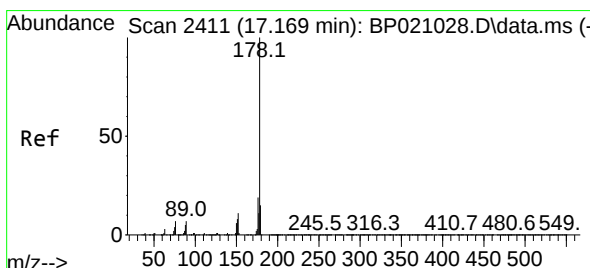
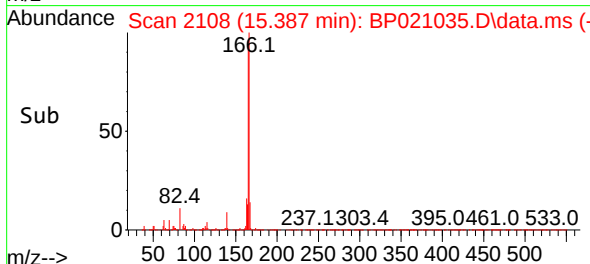
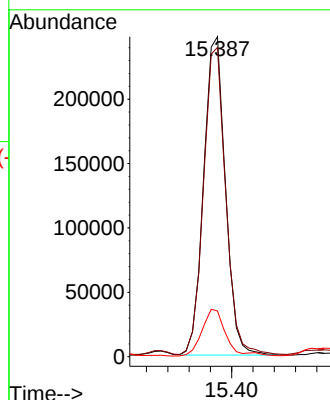
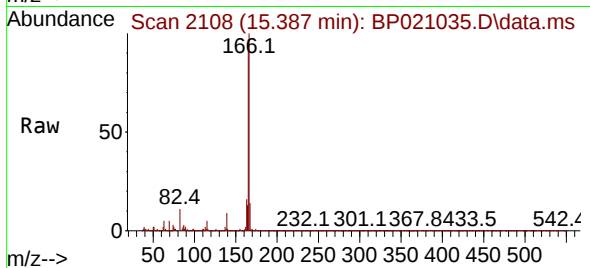
Tgt Ion:166	Resp: 351644
Ion Ratio	Lower Upper
166	100
165	96.7 78.1 117.1
167	14.3 10.9 16.3

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2024



#72

Phenanthrene

Concen: 104.336 ng/ul

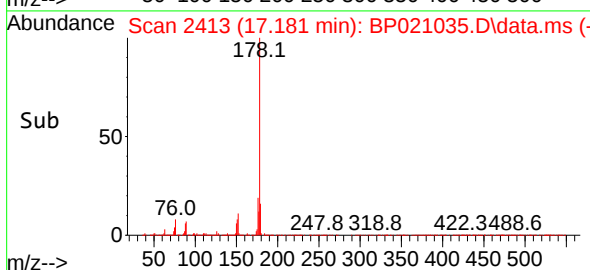
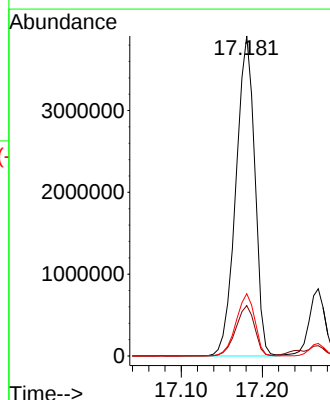
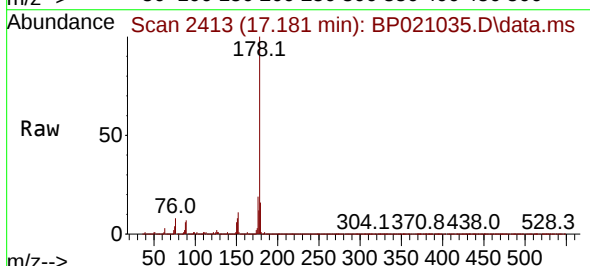
RT: 17.181 min Scan# 2413

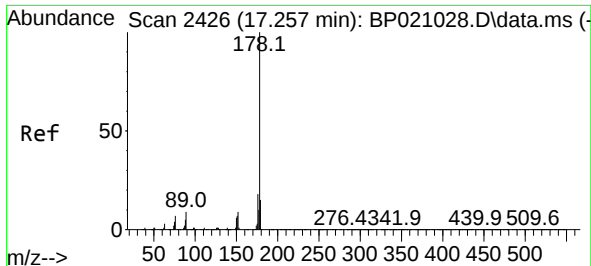
Delta R.T. 0.018 min

Lab File: BP021035.D

Acq: 18 Jul 2024 04:20

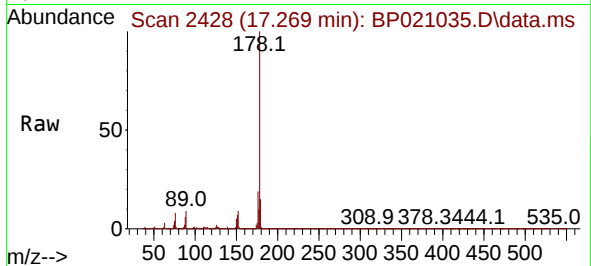
Tgt Ion:178	Resp: 6293212
Ion Ratio	Lower Upper
178	100
179	15.7 12.2 18.4
176	19.4 15.0 22.4





#74
 Anthracene
 Concen: 18.049 ng/u1
 RT: 17.269 min Scan# 2426
 Delta R.T. 0.012 min
 Lab File: BP021035.D
 Acq: 18 Jul 2024 04:20

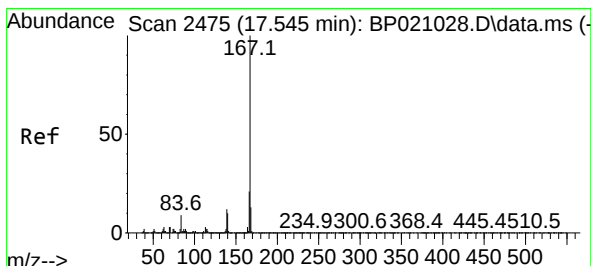
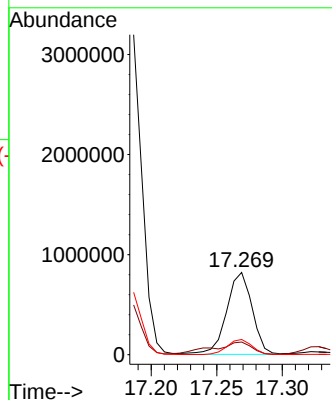
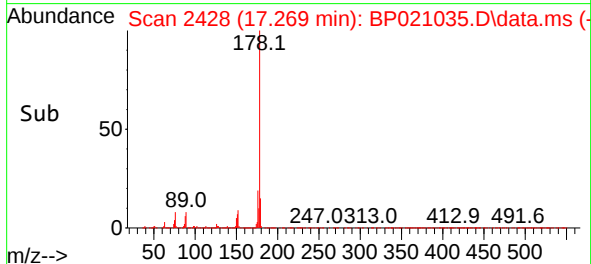
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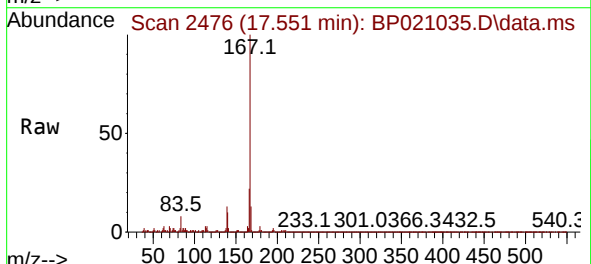
Tgt Ion:178 Resp: 1109844
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.5 18.7
 176 18.6 14.8 22.2

Manual Integrations
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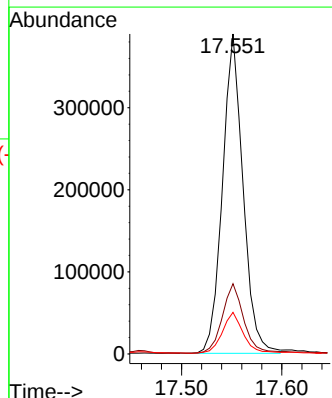
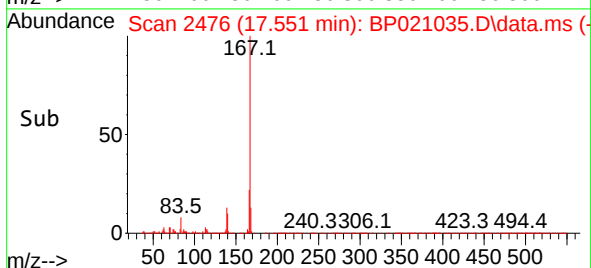
Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

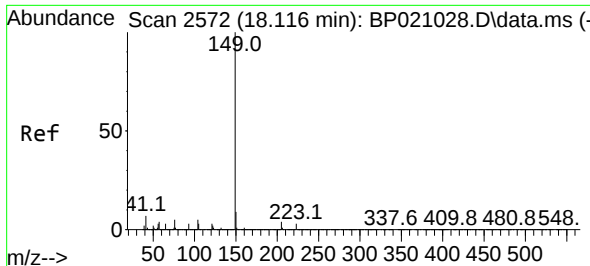


#77
 Carbazole
 Concen: 10.991 ng/u1
 RT: 17.551 min Scan# 2476
 Delta R.T. 0.012 min
 Lab File: BP021035.D
 Acq: 18 Jul 2024 04:20



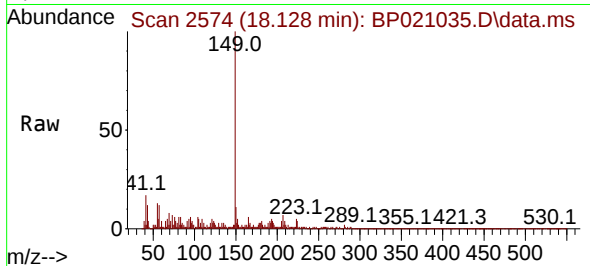
Tgt Ion:167 Resp: 552493
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.3 25.9
 139 13.0 10.2 15.2





#78
Di-n-butylphthalate
Concen: 1.843 ng/ul
RT: 18.128 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP021035.D
Acq: 18 Jul 2024 04:20

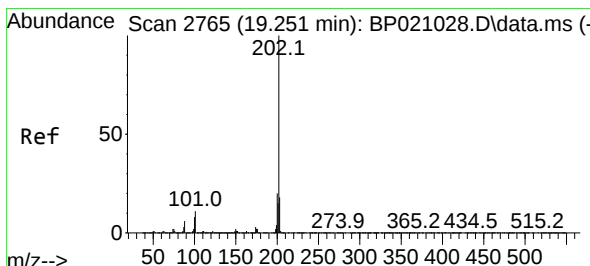
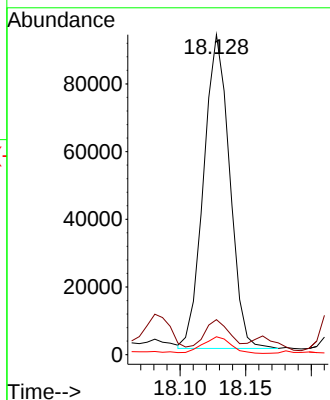
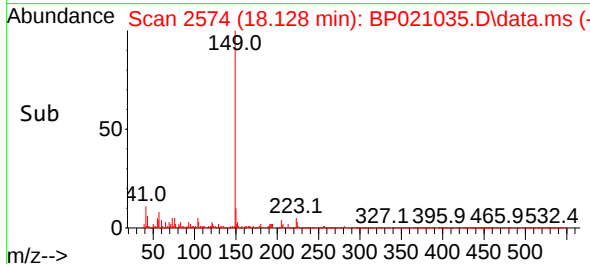
Instrument :
BNA_P
ClientSampleId :
A4C09



Tgt Ion:149 Resp: 12784
Ion Ratio Lower Upper
149 100
150 11.0 7.4 11.0
104 5.6 3.9 5.9

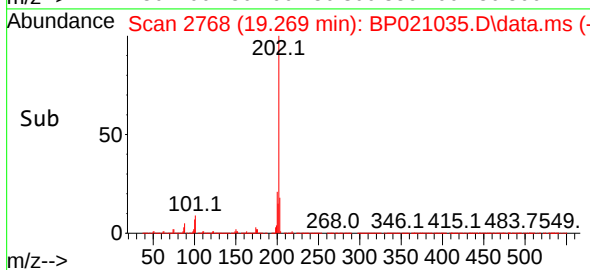
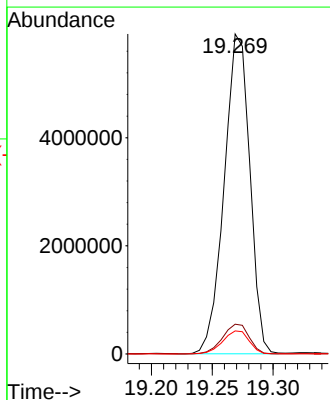
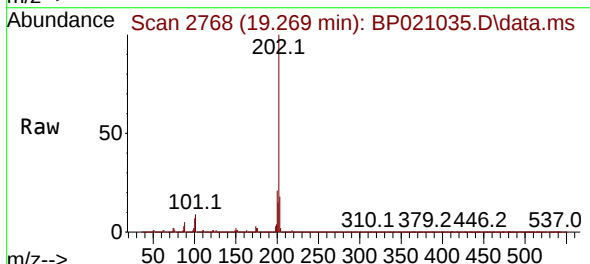
Manual Integrations
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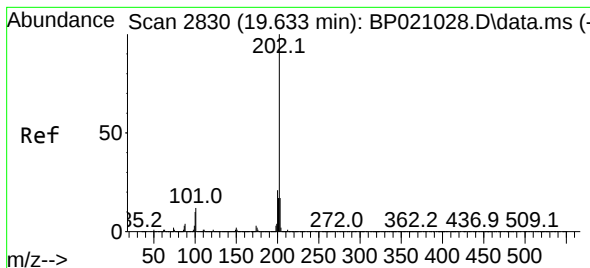
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#80
Fluoranthene
Concen: 108.644 ng/ul
RT: 19.269 min Scan# 2768
Delta R.T. 0.018 min
Lab File: BP021035.D
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Tgt Ion:202 Resp: 8668068
Ion Ratio Lower Upper
202 100
101 9.3 8.0 12.0
100 7.2 6.1 9.1





#82

Pyrene

Concen: 63.291 ng/ul

RT: 19.645 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP021035.D

Acq: 18 Jul 2024 04:20

Instrument :

BNA_P

ClientSampleId :

A4C09

Tgt Ion:202 Resp: 513845

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

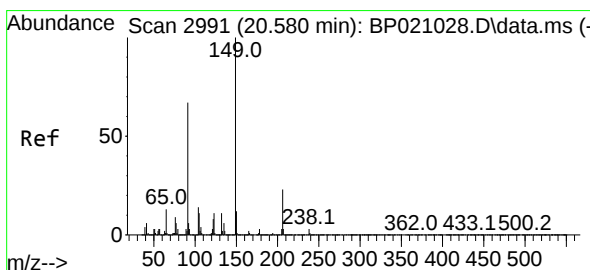
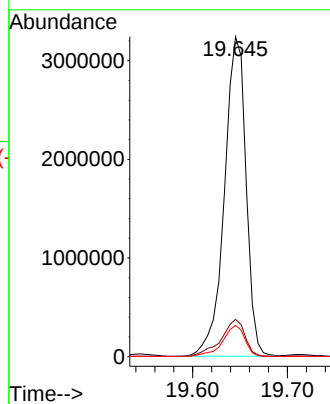
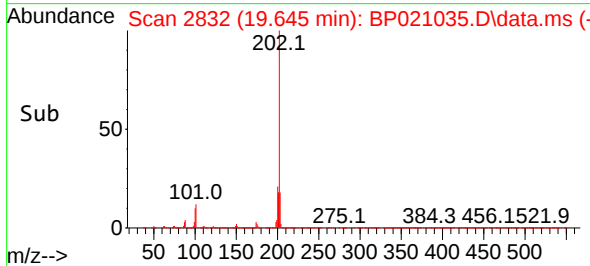
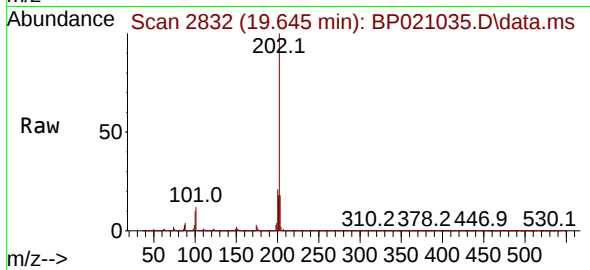
100 9.7 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#83

Butylbenzylphthalate

Concen: 1.334 ng/ul

RT: 20.586 min Scan# 2992

Delta R.T. 0.018 min

Lab File: BP021035.D

Acq: 18 Jul 2024 04:20

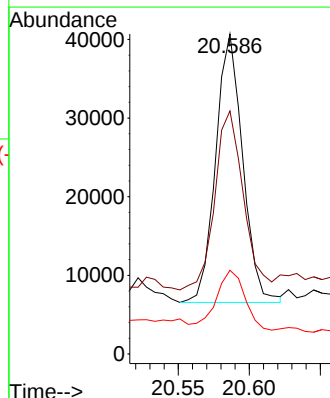
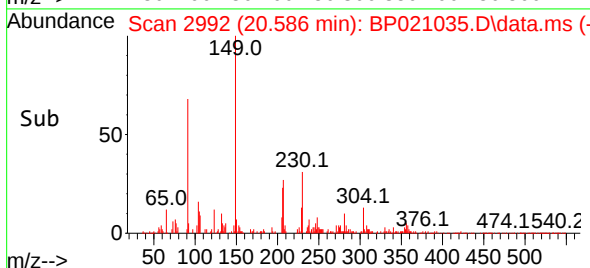
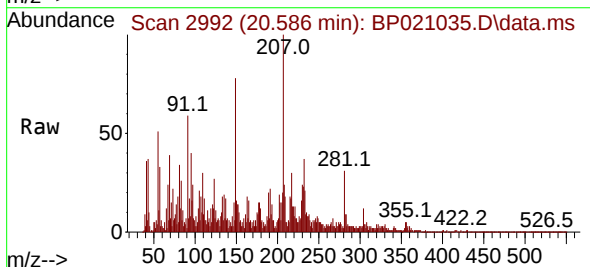
Tgt Ion:149 Resp: 45133

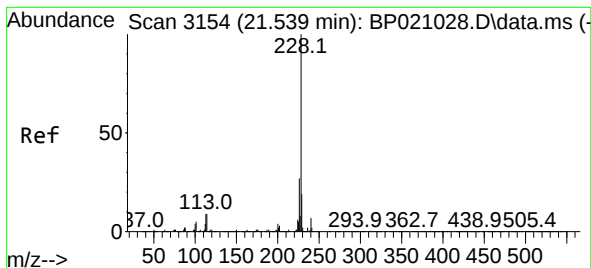
Ion Ratio Lower Upper

149 100

91 76.0 54.1 81.1

206 26.2 17.0 25.6#





#85

Benzo(a)anthracene

Concen: 55.799 ng/ul

RT: 21.557 min Scan# 3157

Delta R.T. 0.024 min

Lab File: BP021035.D

Acq: 18 Jul 2024 04:20

Instrument :

BNP_P

ClientSampleId :

A4C09

Tgt Ion:228 Resp: 417694

Ion Ratio Lower Upper

228 100

229 20.5 15.5 23.3

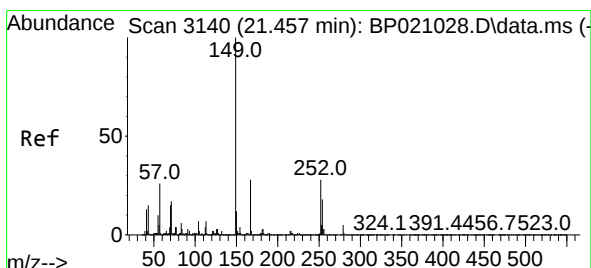
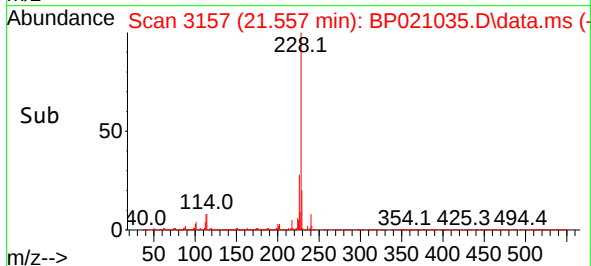
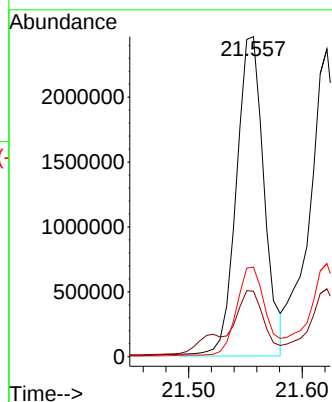
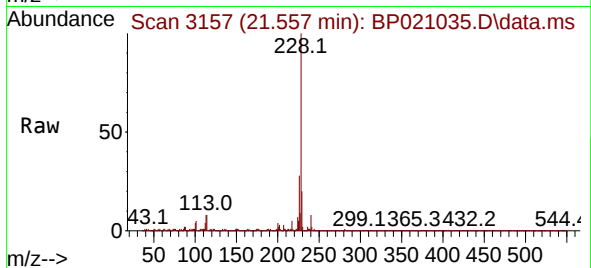
226 28.0 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 6.902 ng/ul

RT: 21.463 min Scan# 3141

Delta R.T. 0.018 min

Lab File: BP021035.D

Acq: 18 Jul 2024 04:20

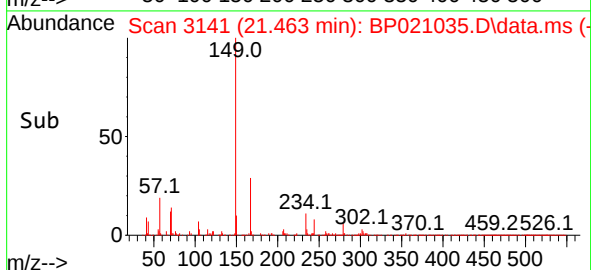
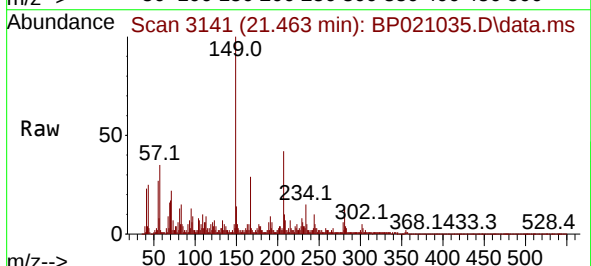
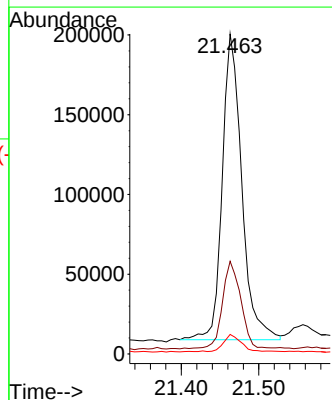
Tgt Ion:149 Resp: 336002

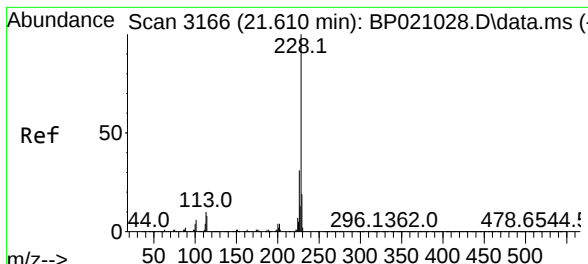
Ion Ratio Lower Upper

149 100

167 29.0 22.1 33.1

279 6.1 3.7 5.5





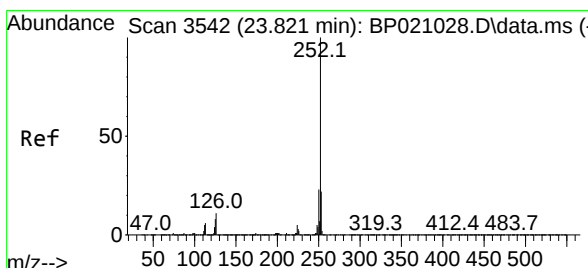
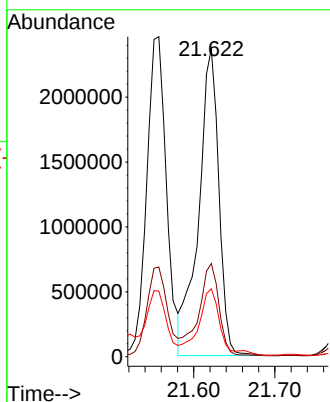
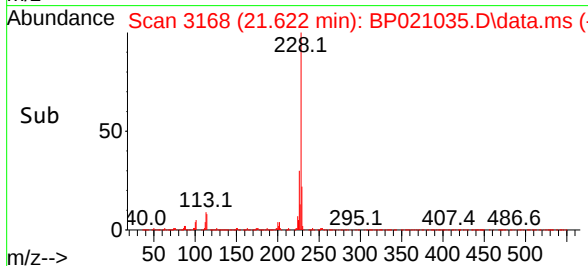
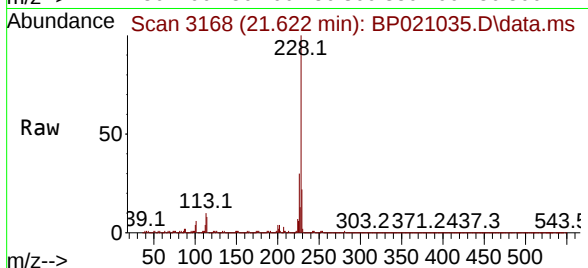
#87
 Chrysene
 Concen: 58.986 ng/ul
 RT: 21.622 min Scan# 3168
 Delta R.T. 0.024 min
 Lab File: BP021035.D
 Acq: 18 Jul 2024 04:20

Instrument :
 BNA_P
 ClientSampleId :
 A4C09

Tgt Ion:	228	Resp:	410293
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.6	35.4
229	22.1	15.5	23.3

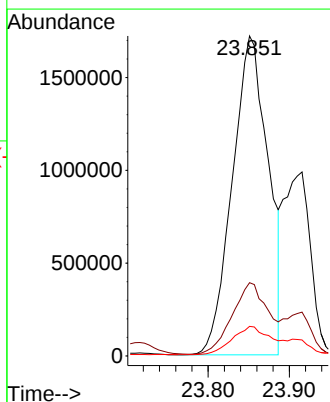
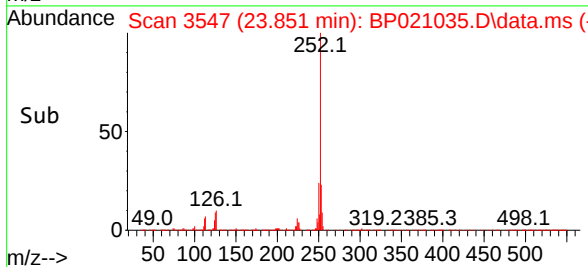
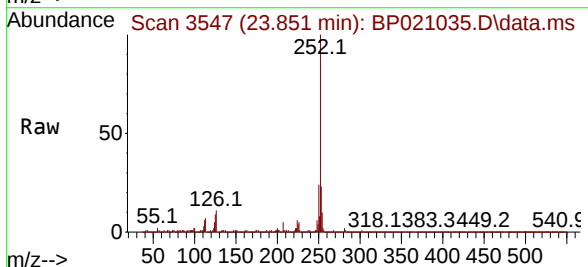
Manual Integrations
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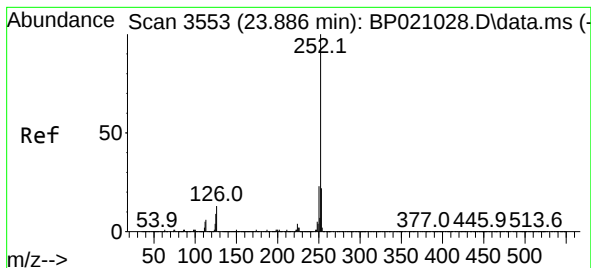
Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024



#90
 Benzo(b)fluoranthene
 Concen: 65.903 ng/ul
 RT: 23.851 min Scan# 3547
 Delta R.T. 0.071 min
 Lab File: BP021035.D
 Acq: 18 Jul 2024 04:20

Tgt Ion:	252	Resp:	5279980
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	9.2	7.0	10.4





#91

Benzo(k)fluoranthene

Concen: 27.959 ng/ul m

RT: 23.916 min Scan# 3

Delta R.T. 0.065 min

Lab File: BP021035.D

Acq: 18 Jul 2024 04:20

Instrument :

BNA_P

ClientSampleId :

A4C09

Tgt Ion:252 Resp: 2235439

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

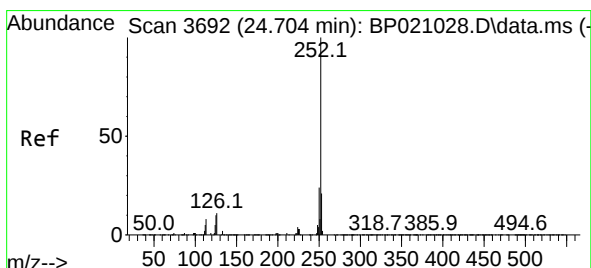
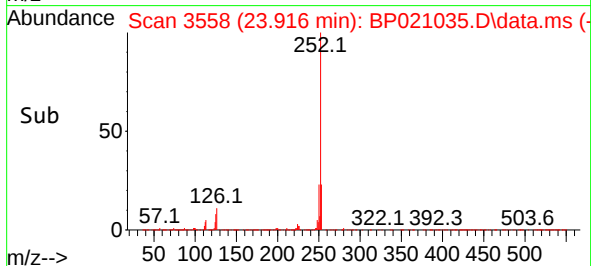
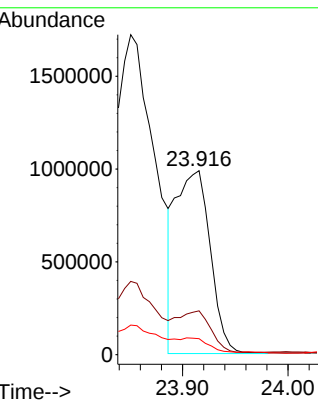
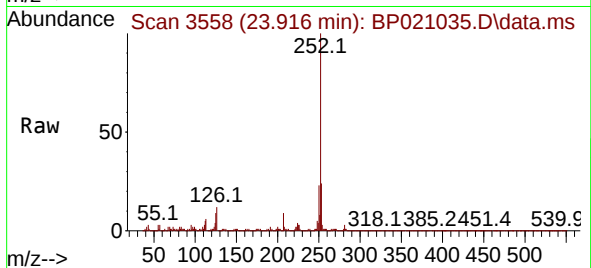
125 8.7 7.4 11.0

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Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#93

Benzo(a)pyrene

Concen: 20.377 ng/ul

RT: 24.721 min Scan# 3695

Delta R.T. 0.053 min

Lab File: BP021035.D

Acq: 18 Jul 2024 04:20

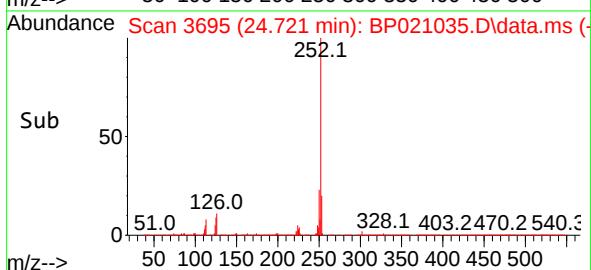
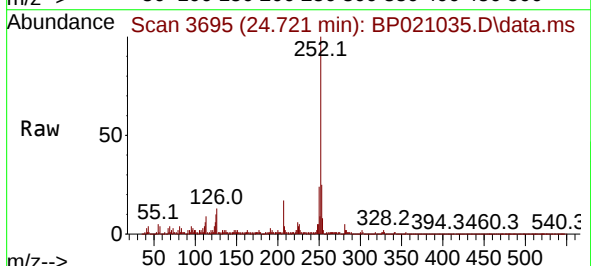
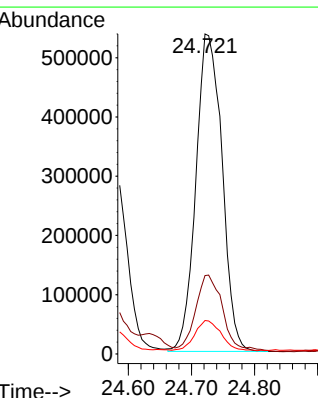
Tgt Ion:252 Resp: 1542704

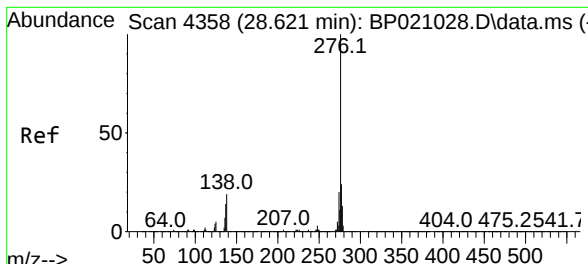
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 10.4 7.7 11.5





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 16.980 ng/ul m
 RT: 28.651 min Scan# 4363
 Delta R.T. 0.076 min
 Lab File: BP021035.D
 Acq: 18 Jul 2024 04:20

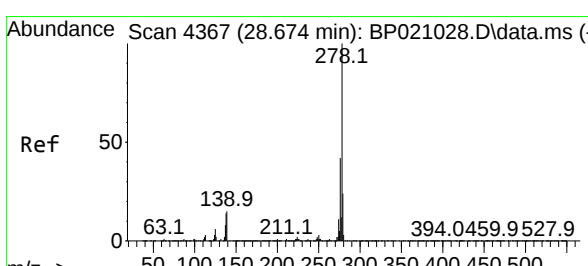
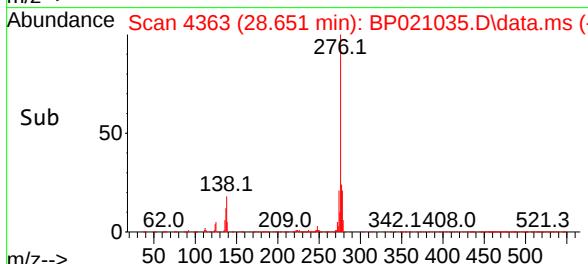
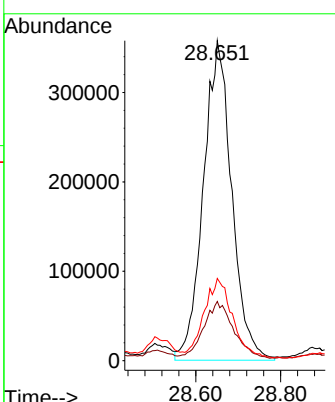
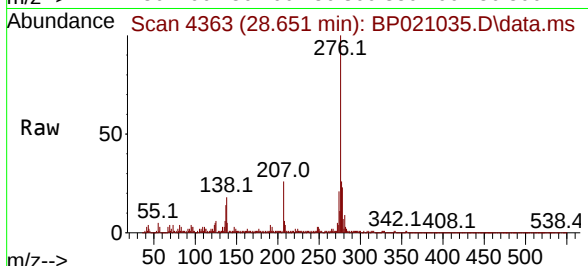
Instrument :
 BNA_P
 ClientSampleId :
 A4C09

Tgt Ion: 276 Resp: 1656594

Ion	Ratio	Lower	Upper
276	100		
138	18.5	14.3	21.5
277	25.7	19.2	28.8

Manual Integrations
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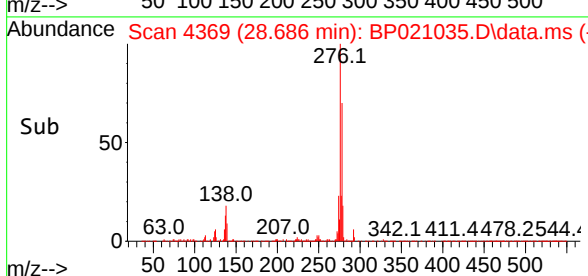
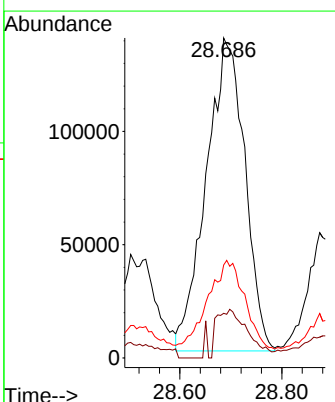
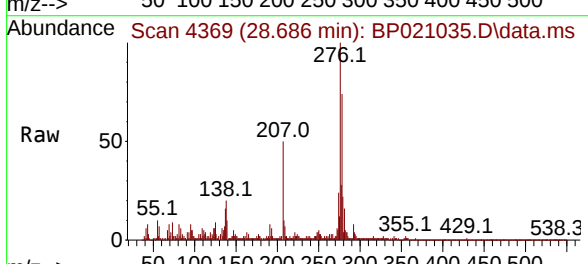
Reviewed By : Yogesh Patel 07/18/2024
 Supervised By : mohammad ahmed 07/19/2024

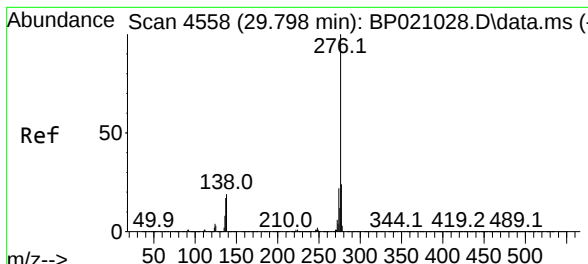


#95
 Dibenzo(a,h)anthracene
 Concen: 8.988 ng/ul m
 RT: 28.686 min Scan# 4369
 Delta R.T. 0.053 min
 Lab File: BP021035.D
 Acq: 18 Jul 2024 04:20

Tgt Ion: 278 Resp: 726150

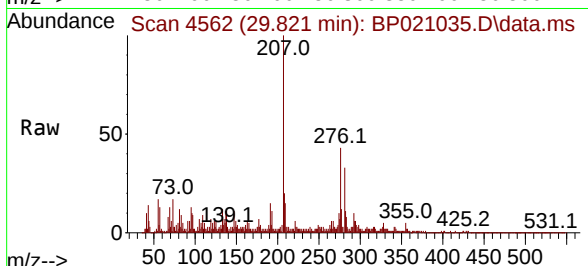
Ion	Ratio	Lower	Upper
278	100		
139	14.0	10.9	16.3
279	29.1	19.4	29.0





#96
 Benzo(g,h,i)perylene
 Concen: 2.563 ng/ul m
 RT: 29.821 min Scan# 4562
 Delta R.T. 0.094 min
 Lab File: BP021035.D
 Acq: 18 Jul 2024 04:20

Instrument :
 BNA_P
 ClientSampleId :
 A4C09



Tgt Ion: 276 Resp: 203612
 Ion Ratio Lower Upper
 276 100
 138 25.2 15.3 22.9
 277 27.5 18.2 27.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

