

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021447.D
 Acq On : 08 Aug 2024 12:38
 Operator : CG/JU
 Sample : P3437-14DL 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05Y4DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 09 00:34:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.622	152	129457	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.381	136	545004	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.257	164	359973	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.069	188	791659	20.000	ng/u1	-0.02
79) Chrysene-d12	21.515	240	886283	20.000	ng/u1	-0.02
88) Perylene-d12	24.792	264	1063070	20.000	ng/u1	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	0.000	99	0d	0.000	ng/u1	
9) Bis-(2-Chloroethyl)eth...	7.040	67	15478m	2.420	ng/u1	0.06
11) 2-Chlorophenol-d4	7.281	132	19889m	2.287	ng/u1	0.10
15) 4-Methylphenol-d8	8.498	113	16679m	1.903	ng/u1	0.14
21) Nitrobenzene-d5	8.863	128	9076m	2.144	ng/u1	0.07
24) 2-Nitrophenol-d4	9.557	143	8035m	1.658	ng/u1	0.05
28) 2,4-Dichlorophenol-d3	10.192	165	19424m	2.217	ng/u1	0.14
31) 4-Chloroaniline-d4	10.651	131	22862m	1.970	ng/u1	0.09
46) Dimethylphthalate-d6	13.681	166	77784	2.972	ng/u1	0.00
49) Acenaphthylene-d8	13.951	160	78837	2.683	ng/u1	-0.01
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.280	176	64913	3.024	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.533	200	5029m	1.050	ng/u1	0.07
73) Anthracene-d10	17.186	188	115976	3.298	ng/u1	0.00
81) Pyrene-d10	19.557	212	164808	3.008	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.556	264	179827	3.430	ng/u1	-0.04
Target Compounds						
					Qvalue	
30) Naphthalene	10.434	128	752202	26.239	ng/u1	99
36) 2-Methylnaphthalene	12.051	142	258145	13.118	ng/u1	96
37) 1-Methylnaphthalene	12.281	142	126008	6.226	ng/u1	98
43) 1,1'-Biphenyl	13.086	154	94528	3.593	ng/u1	97
52) Acenaphthene	14.322	153	437933	19.833	ng/u1	98
56) Dibenzofuran	14.669	168	482260	15.949	ng/u1	98
61) Fluorene	15.333	166	407849	16.529	ng/u1	99
72) Phenanthrene	17.116	178	2593590	63.153	ng/u1	99
74) Anthracene	17.227	178	381933m	9.122	ng/u1	
77) Carbazole	17.522	167	195448	5.711	ng/u1	99
80) Fluoranthene	19.216	202	1996217	30.167	ng/u1	100
82) Pyrene	19.592	202	1552854	23.061	ng/u1	99
85) Benzo(a)anthracene	21.492	228	642856m	10.355	ng/u1	
87) Chrysene	21.568	228	426138m	7.387	ng/u1	
90) Benzo(b)fluoranthene	23.762	252	637323	9.879	ng/u1	98
91) Benzo(k)fluoranthene	23.821	252	231735	3.599	ng/u1	99
93) Benzo(a)pyrene	24.639	252	493277	8.091	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.544	276	291957	3.717	ng/u1	99
95) Dibenzo(a,h)anthracene	28.574	278	71689m	1.102	ng/u1	
96) Benzo(g,h,i)perylene	29.727	276	269779	4.217	ng/u1	95

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

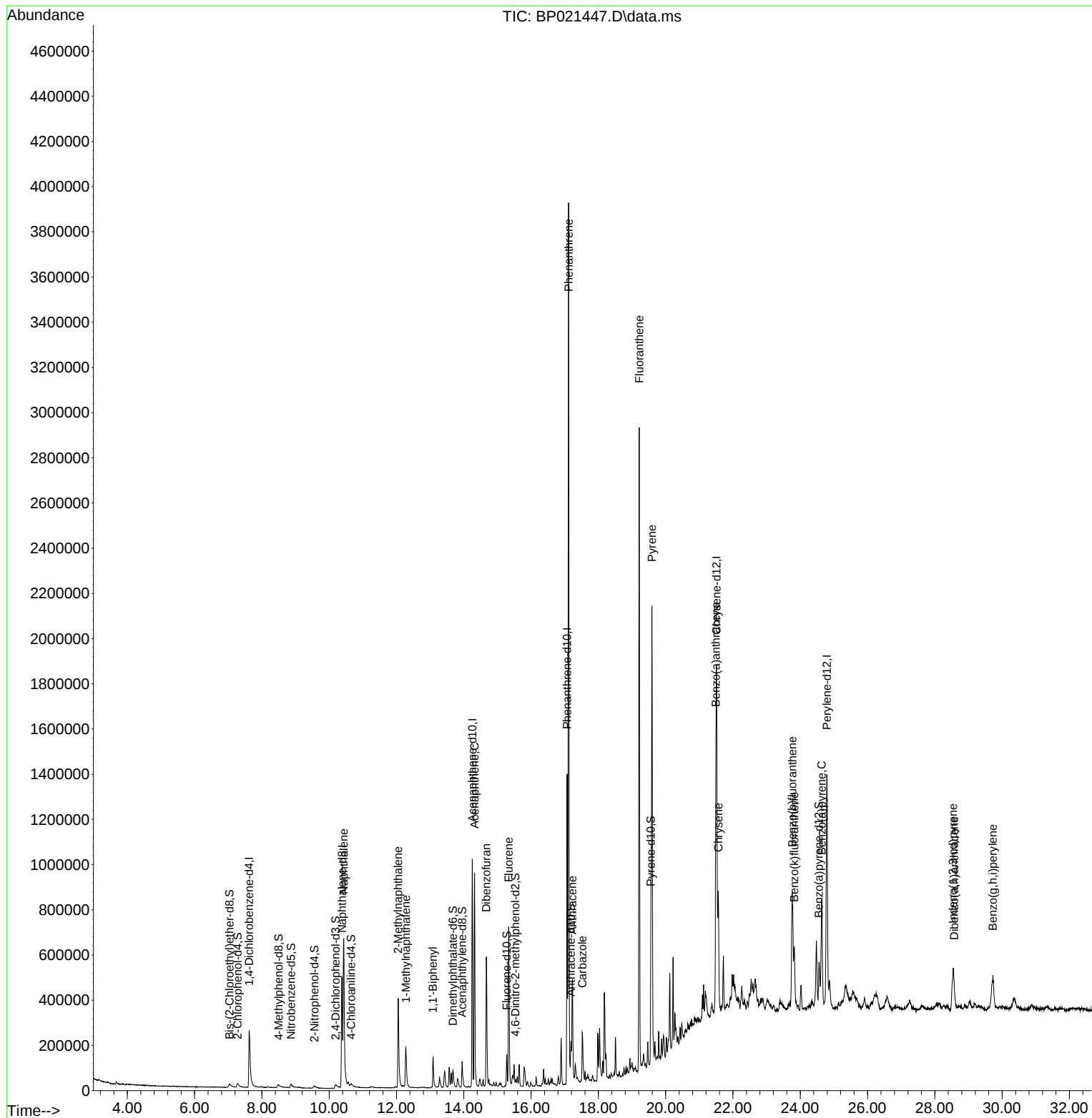
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Data File : BP021447.D
Acq On : 08 Aug 2024 12:38
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Sample : P3437-14DL 10X
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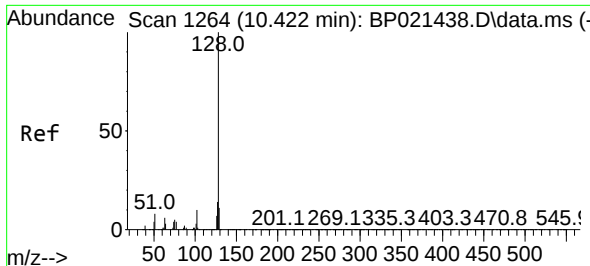
Instrument :
BNA_P
ClientSampleId :
E05Y4DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 09 00:34:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration





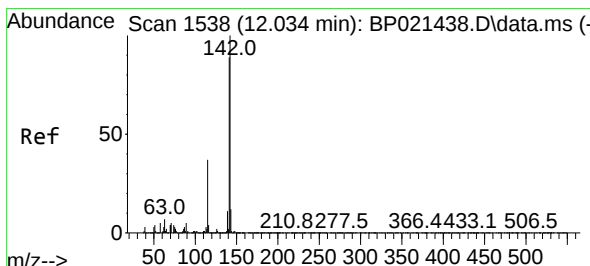
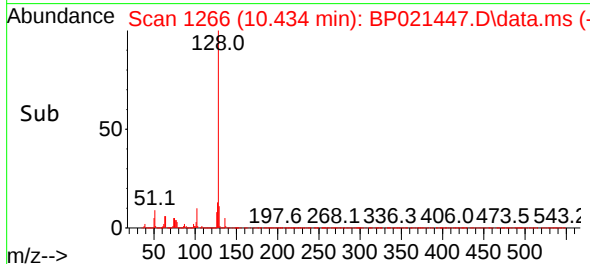
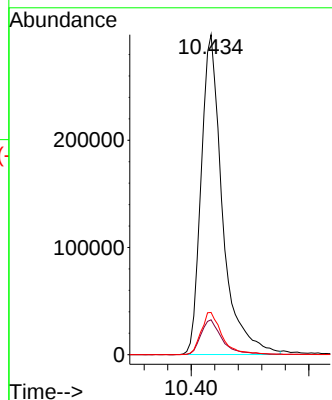
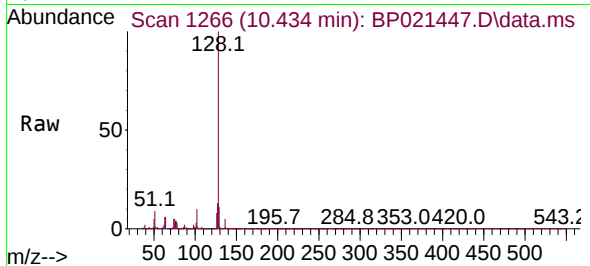
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Naphthalene
Concen: 26.239 ng/ul
RT: 10.434 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

Instrument :
BNA_P
ClientSampleId :
E05Y4DL

Tgt Ion:128 Resp: 75220
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.2 10.8 16.2

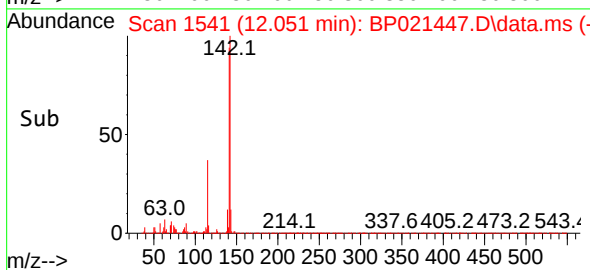
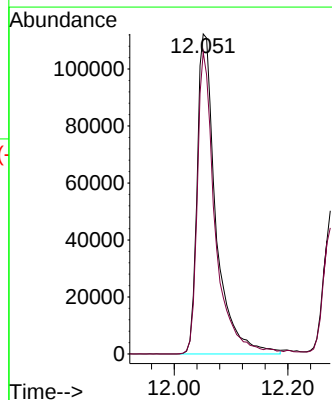
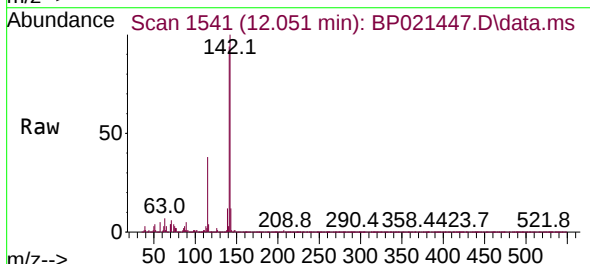
Manual Integrations
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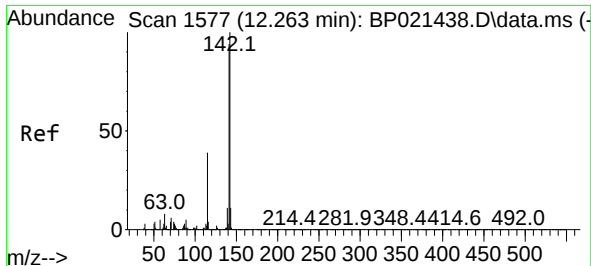
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#36
2-Methylnaphthalene
Concen: 13.118 ng/ul
RT: 12.051 min Scan# 1541
Delta R.T. -0.017 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

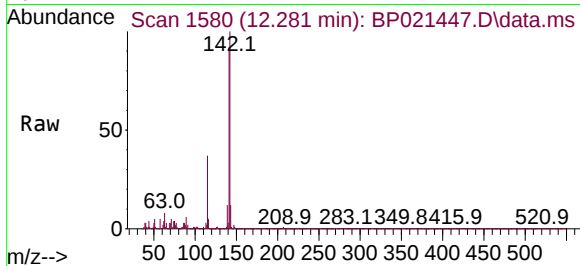
Tgt Ion:142 Resp: 258145
Ion Ratio Lower Upper
142 100
141 94.2 72.6 108.8





#37
1-Methylnaphthalene
Concen: 6.226 ng/ul
RT: 12.281 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

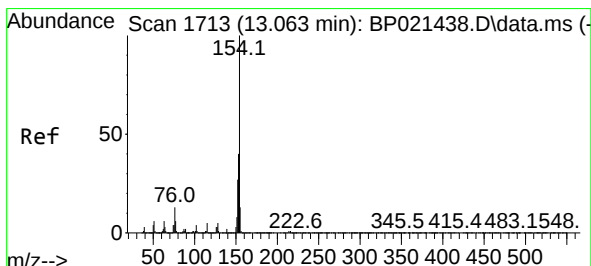
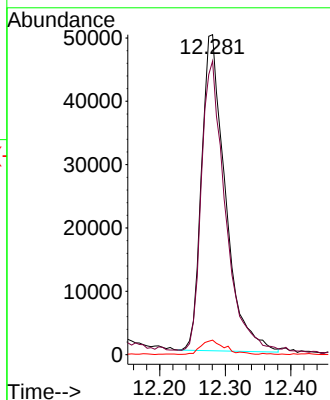
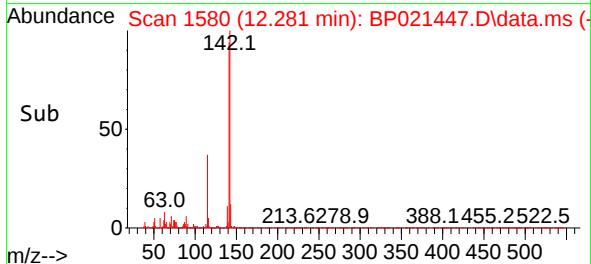
Instrument :
BNA_P
ClientSampleId :
E05Y4DL



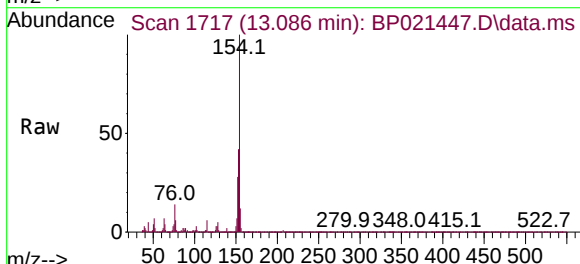
Tgt Ion:142 Resp: 126008
Ion Ratio Lower Upper
142 100
141 91.8 75.0 112.6
116 4.6 3.2 4.8

Manual Integrations
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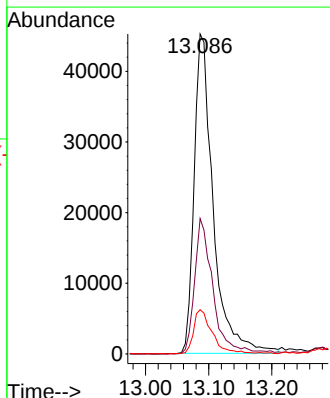
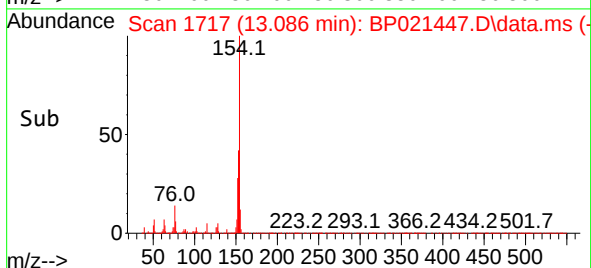
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024

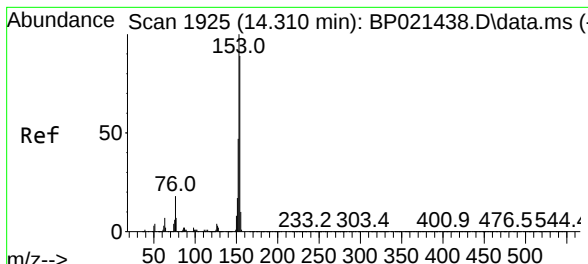


#43
1,1'-Biphenyl
Concen: 3.593 ng/ul
RT: 13.086 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38



Tgt Ion:154 Resp: 94528
Ion Ratio Lower Upper
154 100
153 42.3 32.7 49.1
76 13.9 9.4 14.2





#52
 Acenaphthene
 Concen: 19.833 ng/ul
 RT: 14.322 min Scan# 1927
 Delta R.T. -0.017 min
 Lab File: BP021447.D
 Acq: 08 Aug 2024 12:38

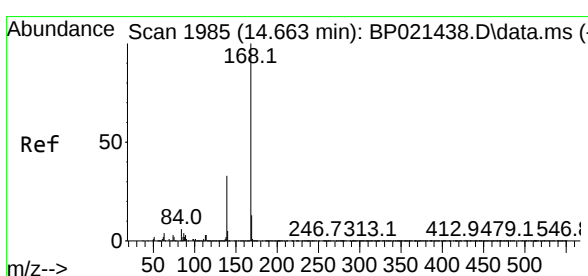
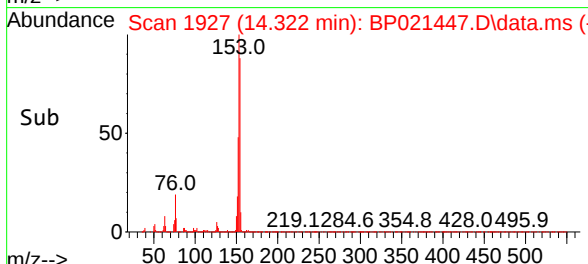
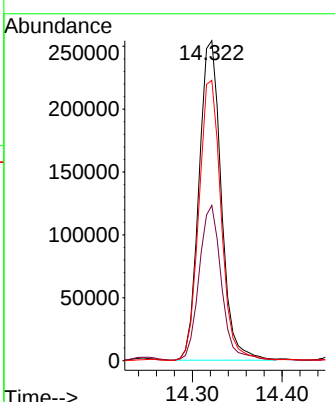
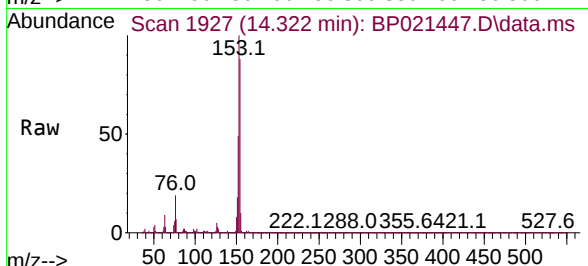
Instrument : BNA_P
 ClientSampleId : E05Y4DL

Tgt Ion:153 Resp: 437933

Ion	Ratio	Lower	Upper
153	100		
152	48.5	37.8	56.6
154	87.6	71.8	107.6

Manual Integrations
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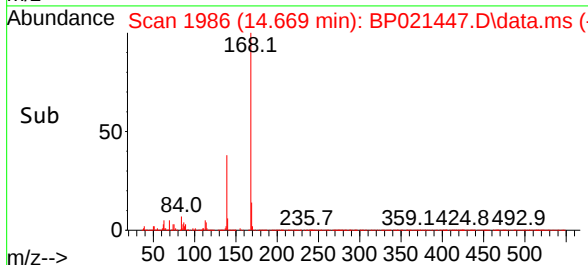
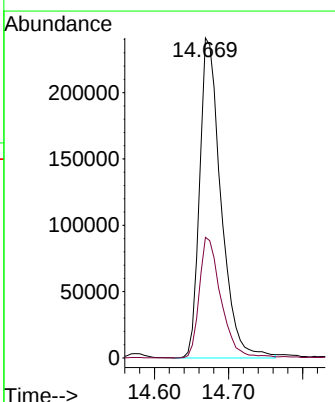
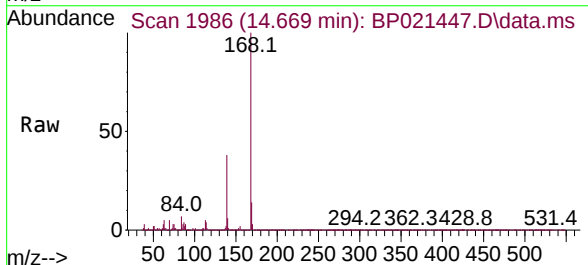
Reviewed By :Yogesh Patel 08/09/2024
 Supervised By :mohammad ahmed 08/09/2024

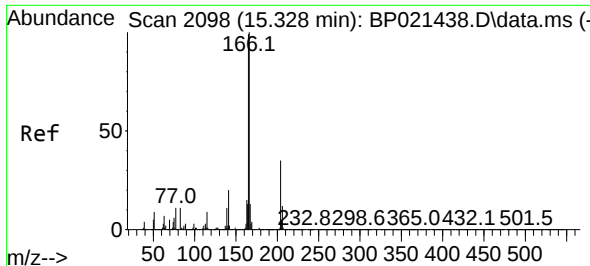


#56
 Dibenzofuran
 Concen: 15.949 ng/ul
 RT: 14.669 min Scan# 1986
 Delta R.T. -0.017 min
 Lab File: BP021447.D
 Acq: 08 Aug 2024 12:38

Tgt Ion:168 Resp: 482260

Ion	Ratio	Lower	Upper
168	100		
139	37.7	31.1	46.7





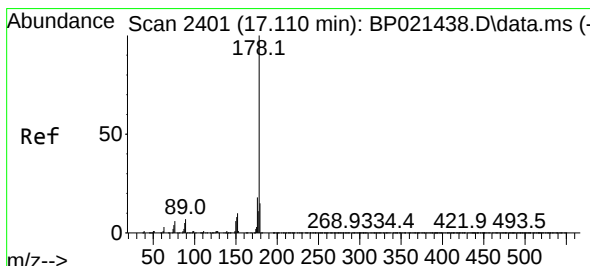
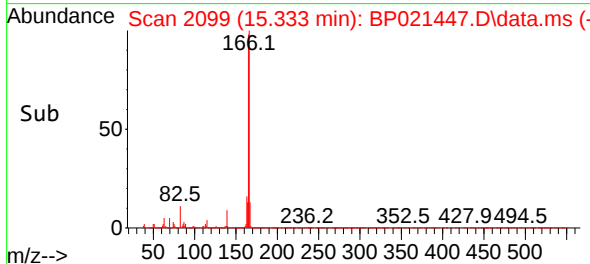
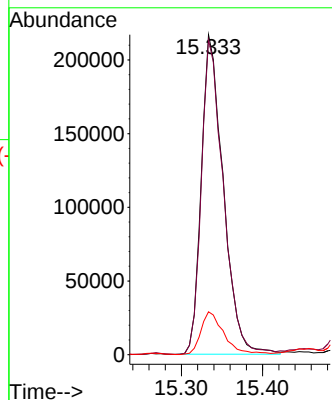
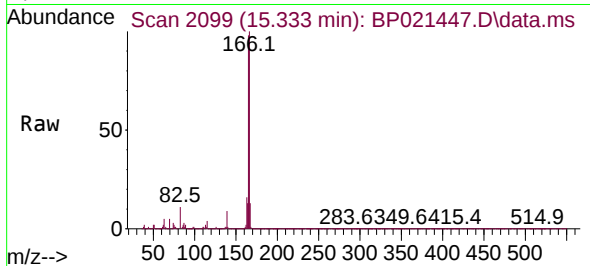
#61
Fluorene
Concen: 16.529 ng/u1
RT: 15.333 min Scan# 2099
Delta R.T. -0.012 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

Instrument :
BNA_P
ClientSampleId :
E05Y4DL

Tgt Ion:166 Resp: 407849
Ion Ratio Lower Upper
166 100
165 98.5 78.1 117.1
167 13.4 10.9 16.3

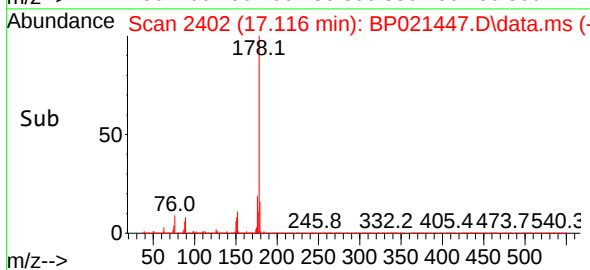
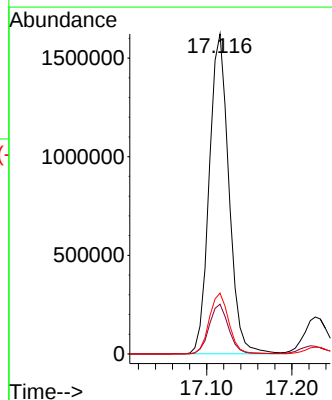
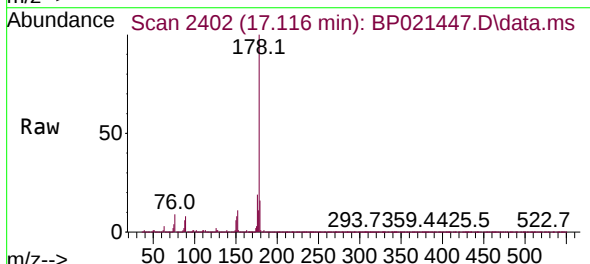
Manual Integrations
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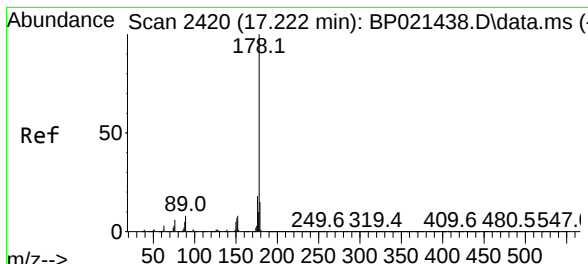
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#72
Phenanthrene
Concen: 63.153 ng/u1
RT: 17.116 min Scan# 2402
Delta R.T. -0.017 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

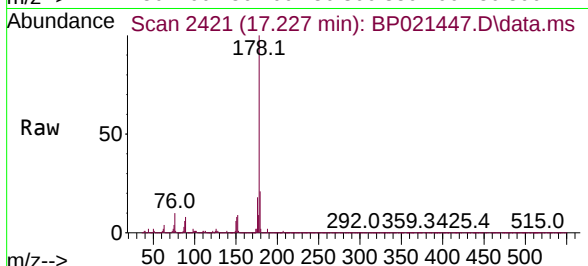
Tgt Ion:178 Resp: 2593590
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.4
176 19.0 15.0 22.4





#74
 Anthracene
 Concen: 9.122 ng/ul m
 RT: 17.227 min Scan# 2421
 Delta R.T. -0.006 min
 Lab File: BP021447.D
 Acq: 08 Aug 2024 12:38

Instrument :
 BNA_P
 ClientSampleId :
 E05Y4DL

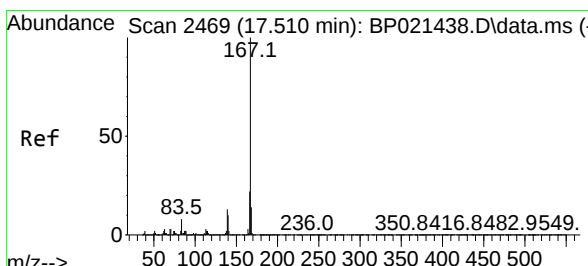
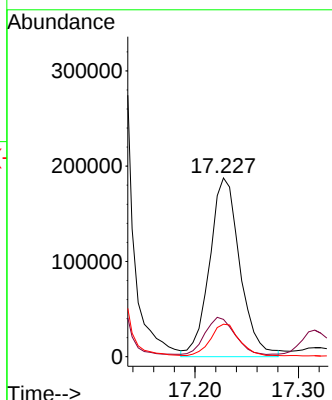
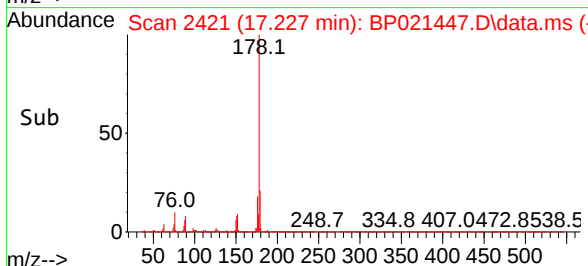


Tgt Ion:178 Resp: 38193

Ion	Ratio	Lower	Upper
178	100		
179	20.8	12.5	18.7
176	18.2	14.8	22.2

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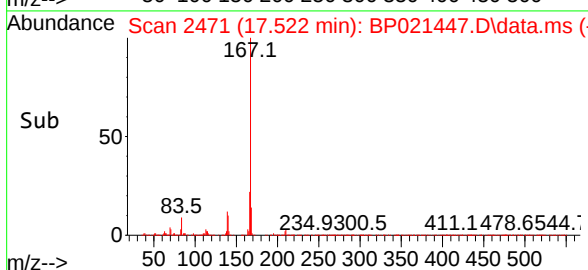
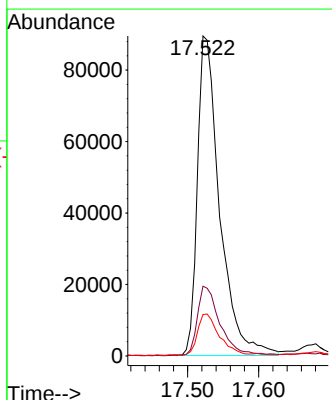
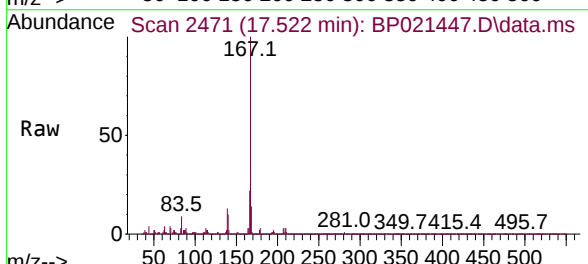
Reviewed By :Yogesh Patel 08/09/2024
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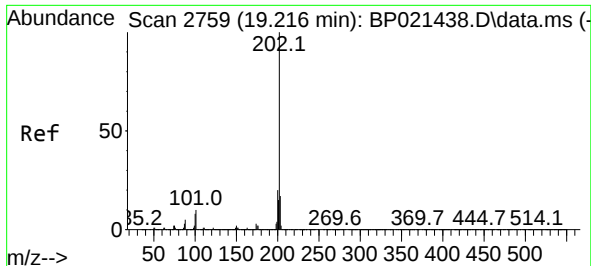


#77
 Carbazole
 Concen: 5.711 ng/ul
 RT: 17.522 min Scan# 2471
 Delta R.T. 0.000 min
 Lab File: BP021447.D
 Acq: 08 Aug 2024 12:38

Tgt Ion:167 Resp: 195448

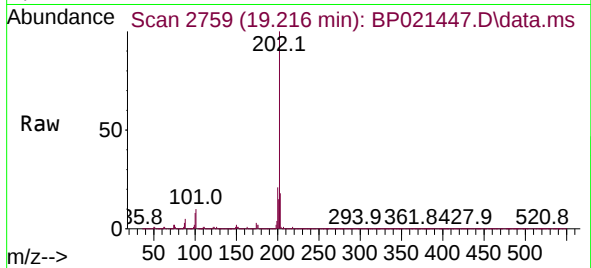
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.0	10.2	15.2





#80
Fluoranthene
Concen: 30.167 ng/u1
RT: 19.216 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

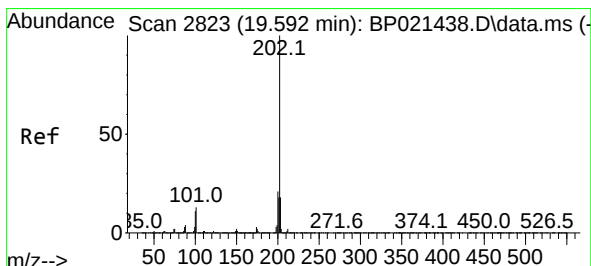
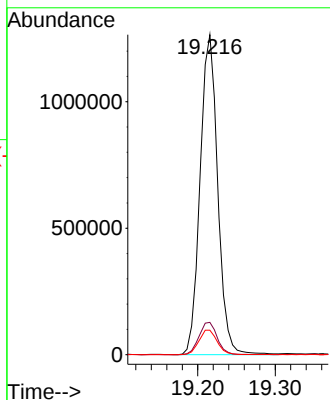
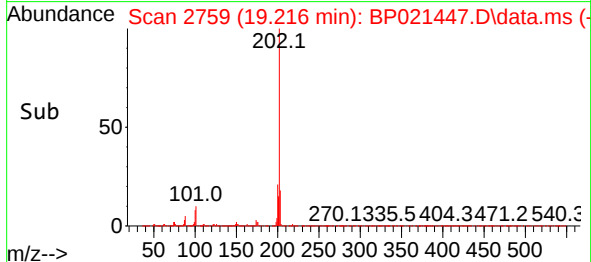
Instrument :
BNA_P
ClientSampleId :
E05Y4DL



Tgt Ion:202 Resp: 199621
Ion Ratio Lower Upper
202 100
101 10.1 8.0 12.0
100 7.6 6.1 9.1

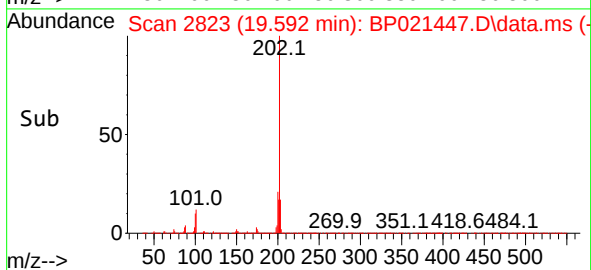
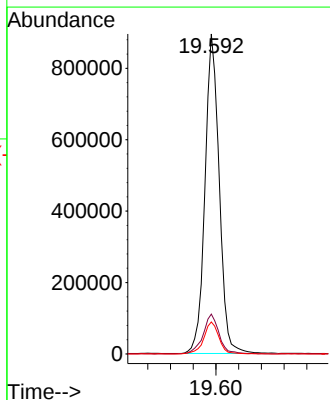
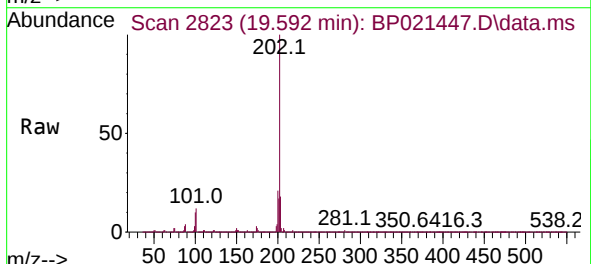
Manual Integrations
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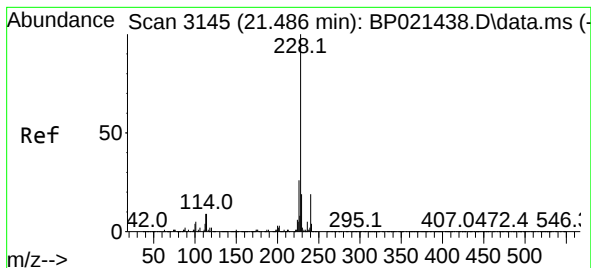
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#82
Pyrene
Concen: 23.061 ng/u1
RT: 19.592 min Scan# 2823
Delta R.T. -0.017 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

Tgt Ion:202 Resp: 1552854
Ion Ratio Lower Upper
202 100
101 12.5 9.4 14.2
100 10.0 7.8 11.6





#85

Benzo(a)anthracene

Concen: 10.355 ng/ul m

RT: 21.492 min Scan# 3146

Delta R.T. -0.017 min

Lab File: BP021447.D

Acq: 08 Aug 2024 12:38

Instrument :

BNP_P

ClientSampleId :

E05Y4DL

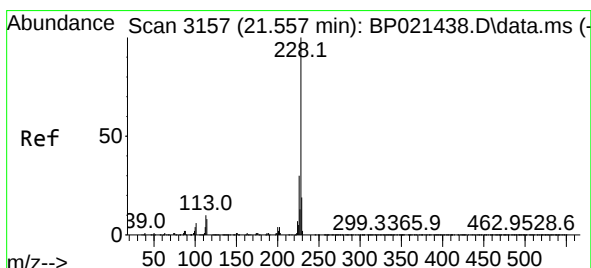
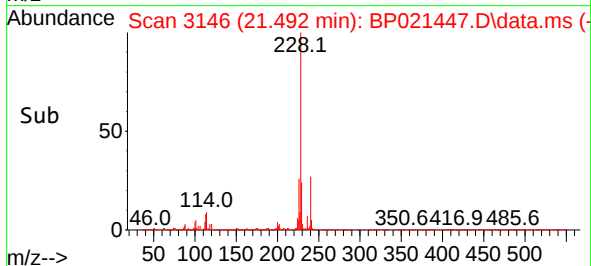
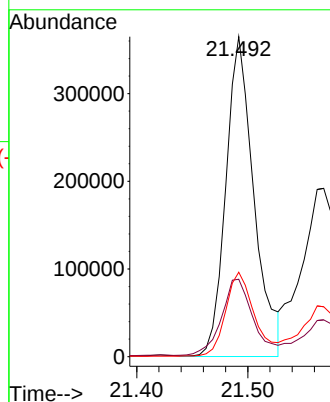
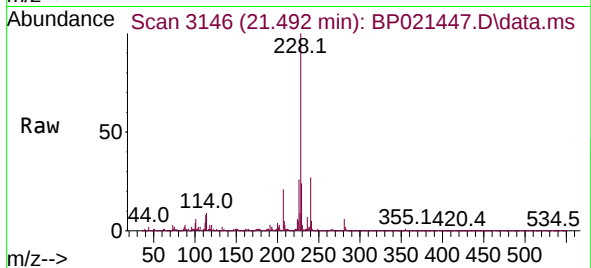
Tgt Ion:228 Resp: 642850
Ion Ratio Lower Upper
228 100
229 24.2 15.5 23.3
226 26.4 21.4 32.2

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Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#87

Chrysene

Concen: 7.387 ng/ul m

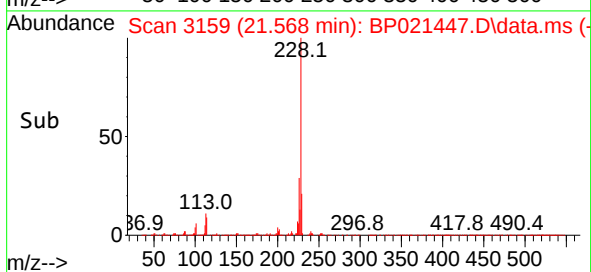
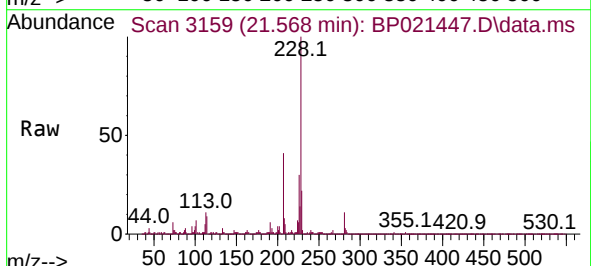
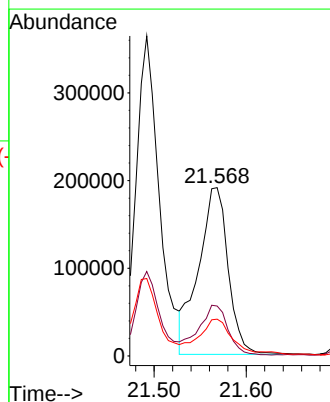
RT: 21.568 min Scan# 3159

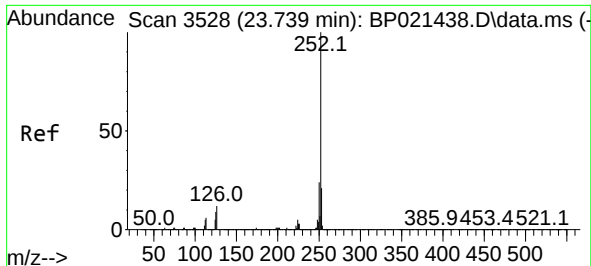
Delta R.T. -0.017 min

Lab File: BP021447.D

Acq: 08 Aug 2024 12:38

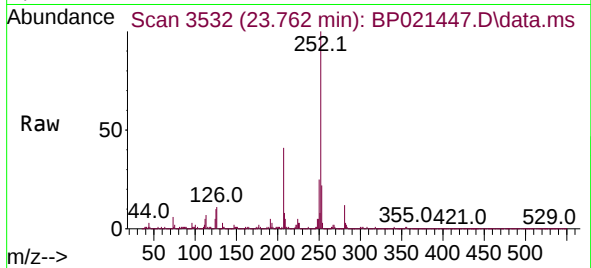
Tgt Ion:228 Resp: 426138
Ion Ratio Lower Upper
228 100
226 29.7 23.6 35.4
229 21.8 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 9.879 ng/ul
RT: 23.762 min Scan# 3532
Delta R.T. -0.023 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

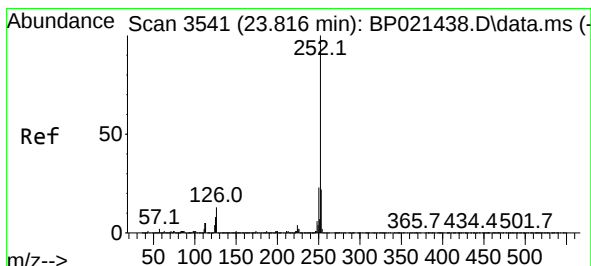
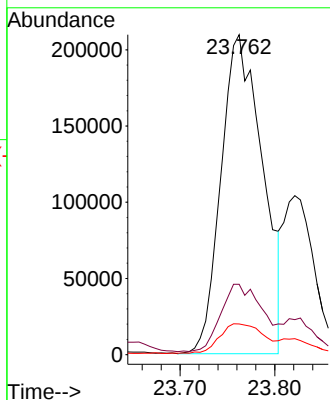
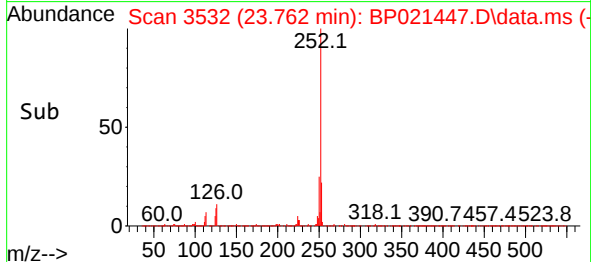
Instrument :
BNA_P
ClientSampleId :
E05Y4DL



Tgt Ion:252 Resp: 63732
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 9.6 7.0 10.4

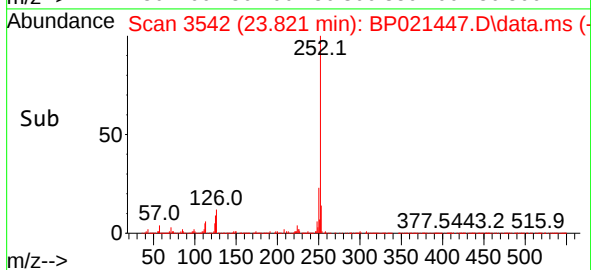
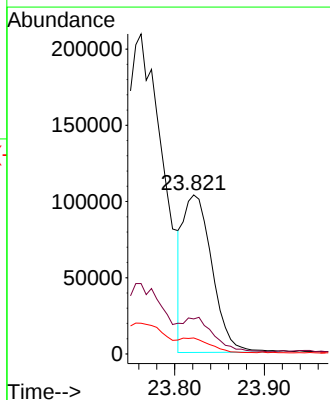
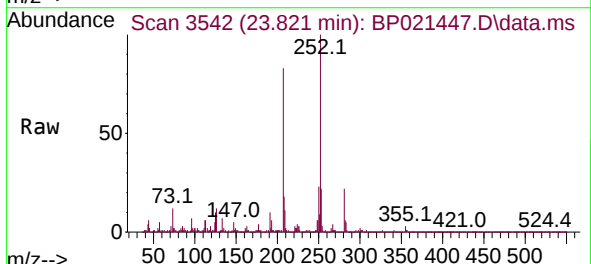
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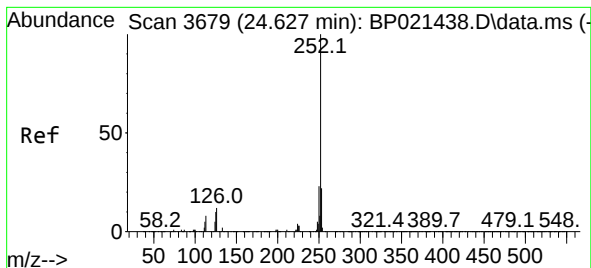
Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#91
Benzo(k)fluoranthene
Concen: 3.599 ng/ul
RT: 23.821 min Scan# 3542
Delta R.T. -0.029 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

Tgt Ion:252 Resp: 231735
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 10.1 7.4 11.0





#93

Benzo(a)pyrene

Concen: 8.091 ng/ul

RT: 24.639 min Scan# 30

Delta R.T. -0.041 min

Lab File: BP021447.D

Acq: 08 Aug 2024 12:38

Instrument :

BNA_P

ClientSampleId :

E05Y4DL

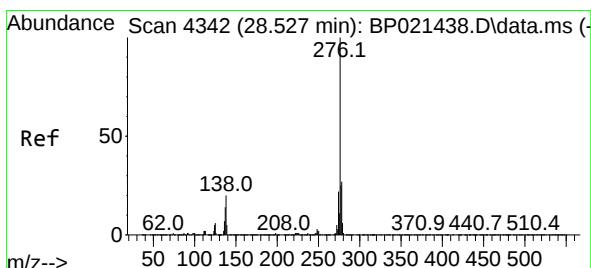
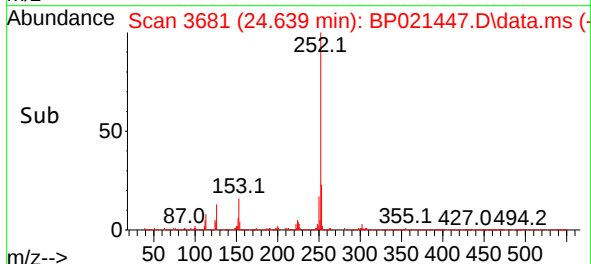
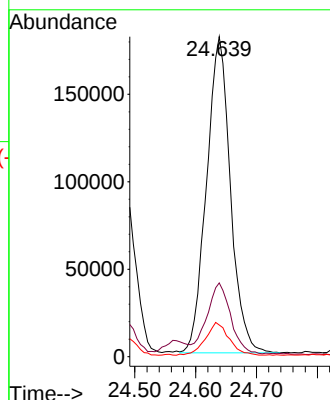
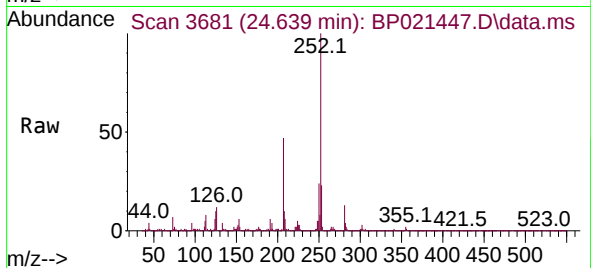
Tgt Ion:	252	Resp:	49327
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	9.9	7.7	11.5

Manual Integrations

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Reviewed By :Yogesh Patel 08/09/2024

Supervised By :mohammad ahmed 08/09/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.717 ng/ul

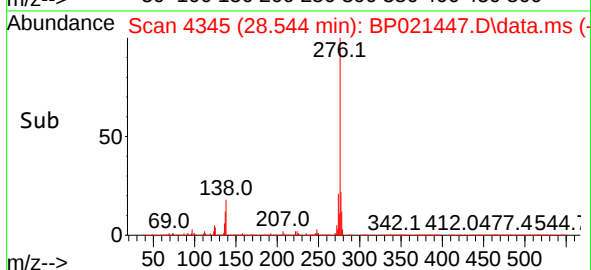
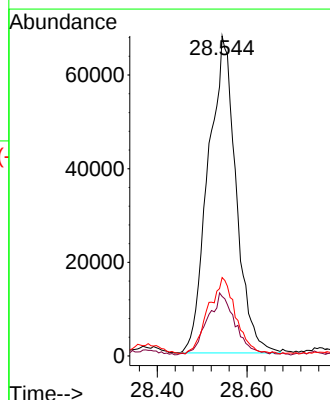
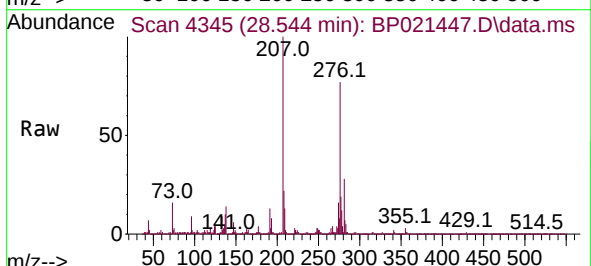
RT: 28.544 min Scan# 4345

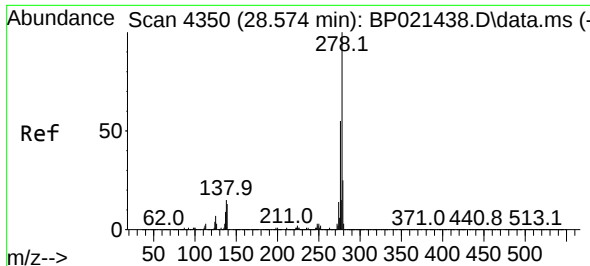
Delta R.T. -0.053 min

Lab File: BP021447.D

Acq: 08 Aug 2024 12:38

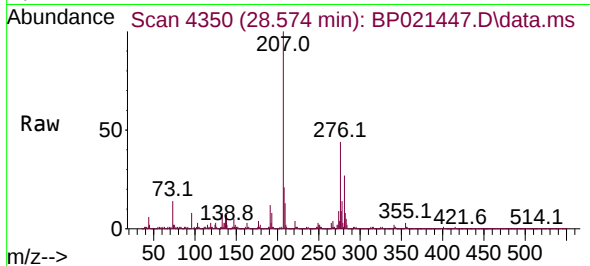
Tgt Ion:	276	Resp:	291957
Ion Ratio	Lower	Upper	
276	100		
138	18.6	14.3	21.5
277	24.5	19.2	28.8





#95
Dibenzo(a,h)anthracene
Concen: 1.102 ng/ul m
RT: 28.574 min Scan# 4350
Delta R.T. -0.065 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38

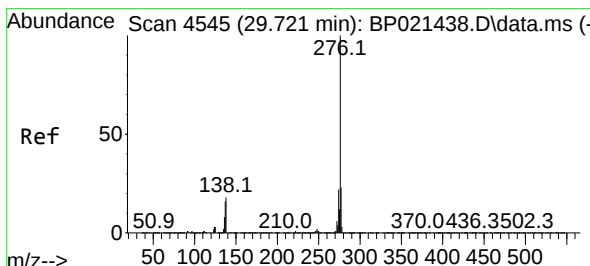
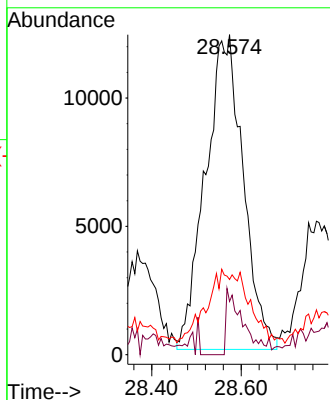
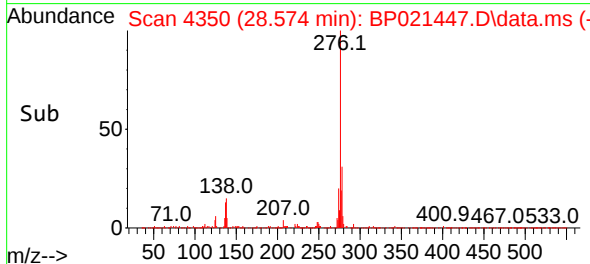
Instrument :
BNA_P
ClientSampleId :
E05Y4DL



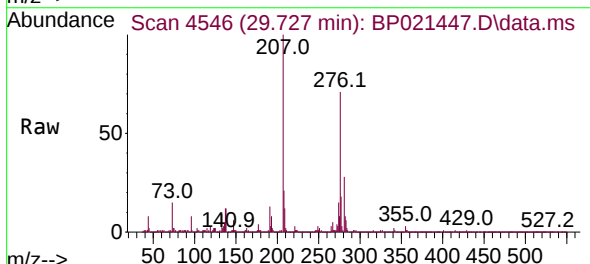
Tgt Ion:278 Resp: 71689
Ion Ratio Lower Upper
278 100
139 16.7 10.9 16.3
279 23.5 19.4 29.0

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Reviewed By :Yogesh Patel 08/09/2024
Supervised By :mohammad ahmed 08/09/2024



#96
Benzo(g,h,i)perylene
Concen: 4.217 ng/ul
RT: 29.727 min Scan# 4546
Delta R.T. -0.035 min
Lab File: BP021447.D
Acq: 08 Aug 2024 12:38



Tgt Ion:276 Resp: 269779
Ion Ratio Lower Upper
276 100
138 16.8 15.3 22.9
277 24.9 18.2 27.2

