

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072524\
 Data File : BP021152.D
 Acq On : 25 Jul 2024 18:06
 Operator : MA/JU
 Sample : P3263-04 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BA6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 25 23:16:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 25 00:15:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	141676	20.000	ng/u1	0.01
20) Naphthalene-d8	10.416	136	543620	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.293	164	341088	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.116	188	730544	20.000	ng/u1	0.01
79) Chrysene-d12	21.574	240	790947	20.000	ng/u1	0.02
88) Perylene-d12	24.886	264	1077649	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	1202	0.386	ng/uL	0.00
4) Pyridine-d5	3.634	84	9537m	1.058	ng/u1	0.04
7) Phenol-d5	6.905	99	16391	1.419	ng/u1	0.04
9) Bis-(2-Chloroethyl)eth...	7.011	67	11593m	1.656	ng/u1	0.02
11) 2-Chlorophenol-d4	7.216	132	16384m	1.722	ng/u1	0.01
15) 4-Methylphenol-d8	8.410	113	14344m	1.495	ng/u1	0.03
21) Nitrobenzene-d5	8.840	128	7470m	1.769	ng/u1	0.04
24) 2-Nitrophenol-d4	9.540	143	7720m	1.597	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.105	165	14899m	1.705	ng/u1	0.03
31) 4-Chloroaniline-d4	10.604	131	15656m	1.352	ng/u1	0.04
46) Dimethylphthalate-d6	13.710	166	50115	2.021	ng/u1	0.01
49) Acenaphthylene-d8	13.987	160	55942	2.009	ng/u1	0.00
54) 4-Nitrophenol-d4	14.657	143	6502m	1.843	ng/u1	0.06
60) Fluorene-d10	15.310	176	46303	2.276	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.510	200	3131m	0.708	ng/u1	0.04
73) Anthracene-d10	17.216	188	72929	2.248	ng/u1	0.01
81) Pyrene-d10	19.604	212	81565	1.668	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.657	264	83389	1.569	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.469	128	591457	20.684	ng/u1	99
36) 2-Methylnaphthalene	12.087	142	401454	20.453	ng/u1	99
37) 1-Methylnaphthalene	12.304	142	269402	13.345	ng/u1	96
43) 1,1'-Biphenyl	13.110	154	111765	4.484	ng/u1	99
52) Acenaphthene	14.363	153	1580267	75.529	ng/u1	99
56) Dibenzofuran	14.704	168	1296399	45.248	ng/u1	99
61) Fluorene	15.369	166	1820142	77.849	ng/u1	99
72) Phenanthrene	17.169	178	11570458	305.308	ng/u1	98
74) Anthracene	17.257	178	3922757	101.533	ng/u1	100
77) Carbazole	17.539	167	1493138	47.276	ng/u1	99
80) Fluoranthene	19.269	202	10984821	186.015	ng/u1	97
82) Pyrene	19.645	202	7869777	130.961	ng/u1	99
85) Benzo(a)anthracene	21.551	228	6215697	112.184	ng/u1	97
87) Chrysene	21.616	228	4875274m	94.694	ng/u1	
90) Benzo(b)fluoranthene	23.839	252	6163657	94.250	ng/u1	98
91) Benzo(k)fluoranthene	23.904	252	2719147m	41.663	ng/u1	
93) Benzo(a)pyrene	24.727	252	3012578	48.748	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.662	276	2281290	28.647	ng/u1	98
95) Dibenzo(a,h)anthracene	28.715	278	910828m	13.812	ng/u1	
96) Benzo(g,h,i)perylene	29.845	276	325501m	5.019	ng/u1	

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

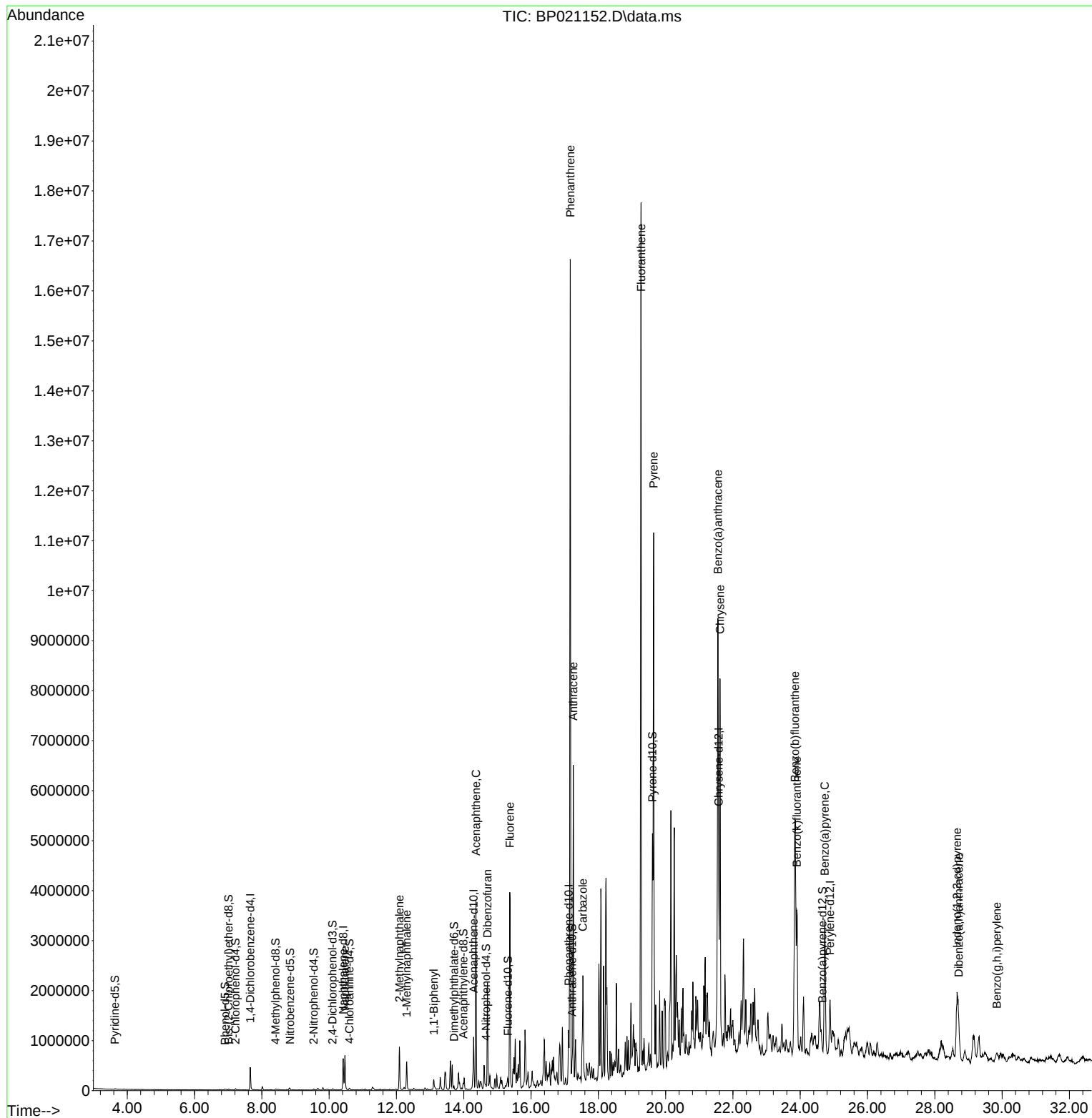
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072524\
Data File : BP021152.D
Acq On : 25 Jul 2024 18:06
Operator : MA/JU
Sample : P3263-04 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

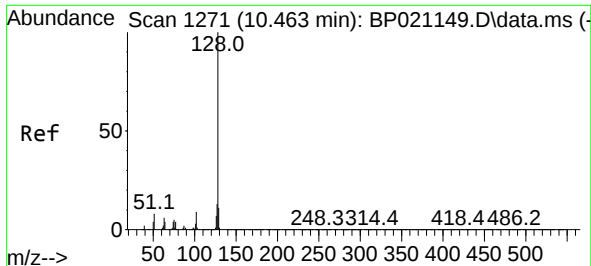
Instrument :
BNA_P
ClientSampleId :
A4BA6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 25 23:16:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 25 00:15:24 2024
Response via : Initial Calibration





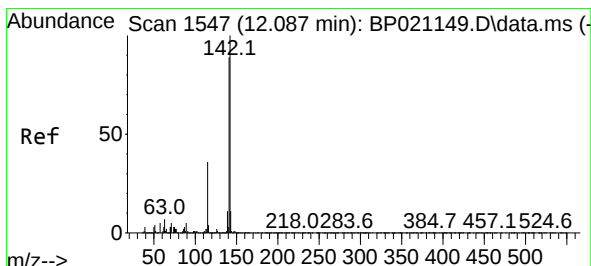
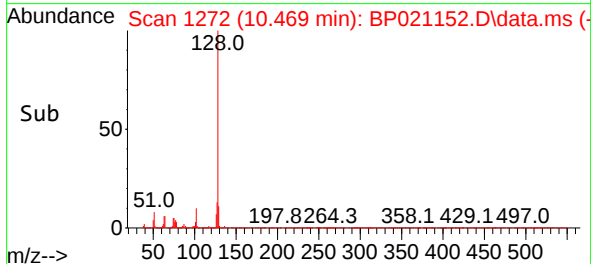
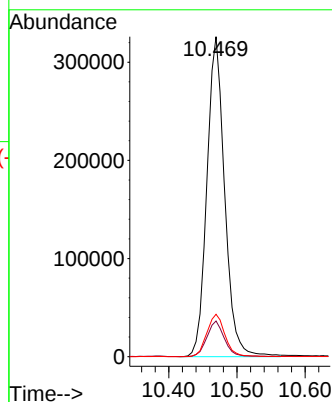
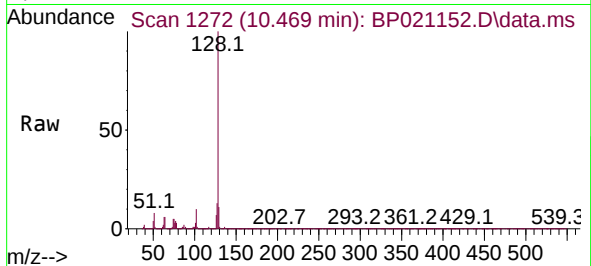
#30
Naphthalene
Concen: 20.684 ng/ul
RT: 10.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Instrument :
BNA_P
ClientSampleId :
A4BA6

Tgt Ion:128 Resp: 59145
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.3 10.8 16.2

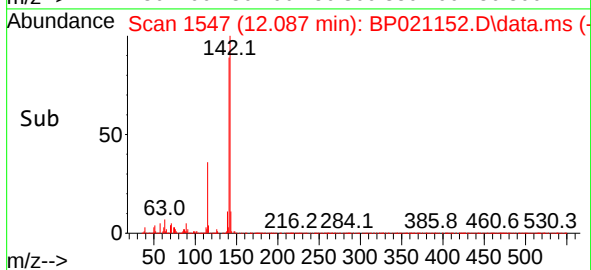
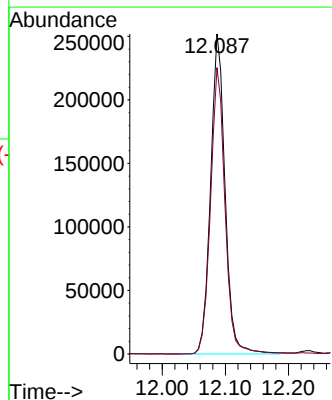
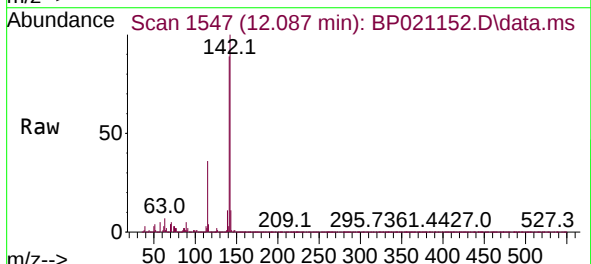
Manual Integrations
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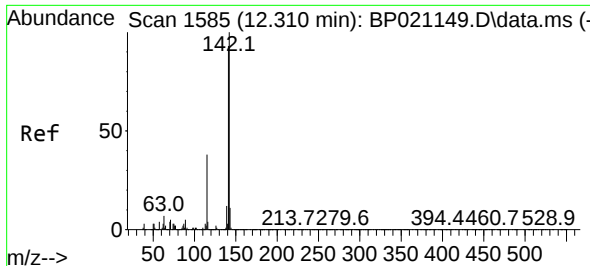
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#36
2-Methylnaphthalene
Concen: 20.453 ng/ul
RT: 12.087 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

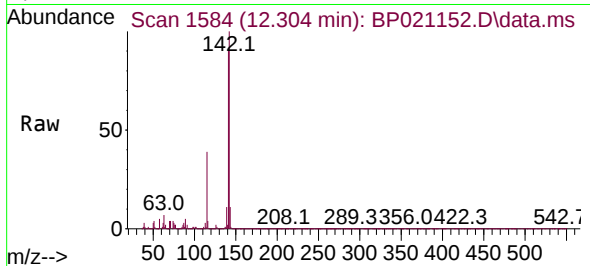
Tgt Ion:142 Resp: 401454
Ion Ratio Lower Upper
142 100
141 89.5 72.6 108.8





#37
1-Methylnaphthalene
Concen: 13.345 ng/ul
RT: 12.304 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

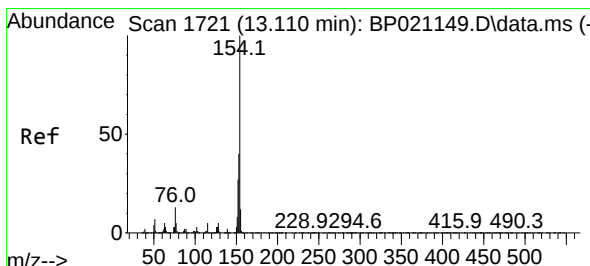
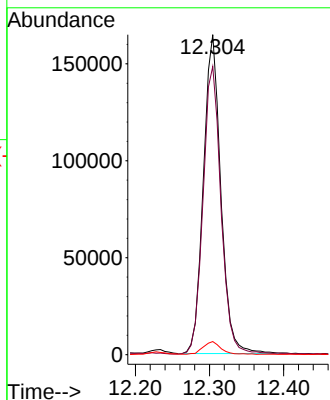
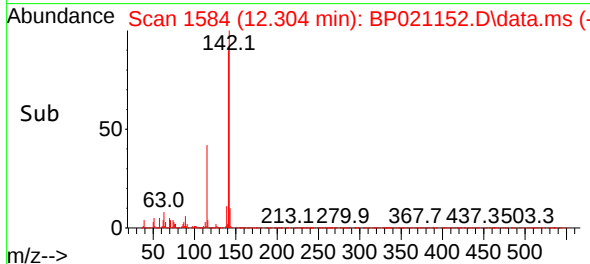
Instrument :
BNA_P
ClientSampleId :
A4BA6



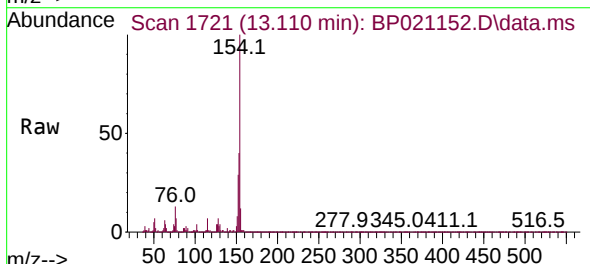
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Ion Ratio Lower Upper
142 100
141 90.0 75.0 112.6
116 4.1 3.2 4.8

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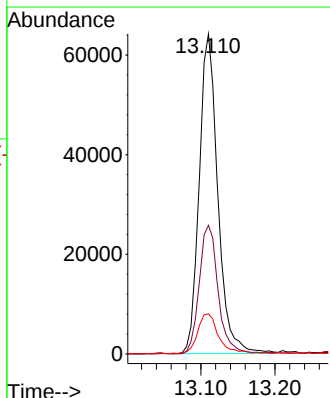
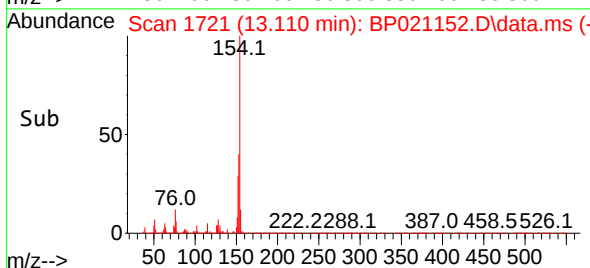
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024

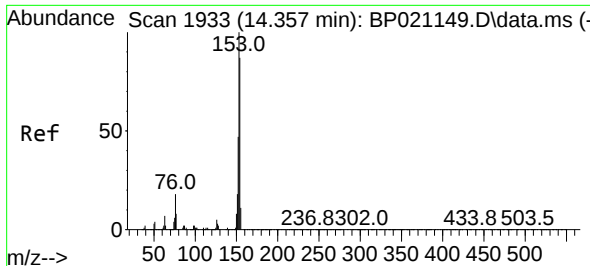


#43
1,1'-Biphenyl
Concen: 4.484 ng/ul
RT: 13.110 min Scan# 1721
Delta R.T. 0.006 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06



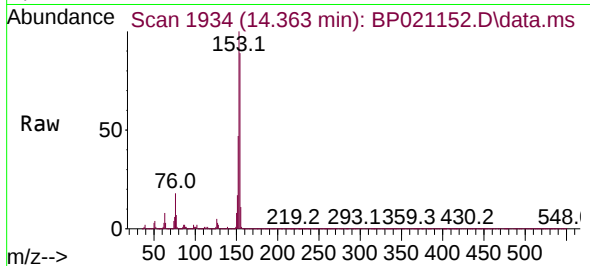
Tgt Ion:154 Resp: 111765
Ion Ratio Lower Upper
154 100
153 40.2 32.7 49.1
76 12.5 9.4 14.2





#52
Acenaphthene
Concen: 75.529 ng/ul
RT: 14.363 min Scan# 1934
Delta R.T. 0.006 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

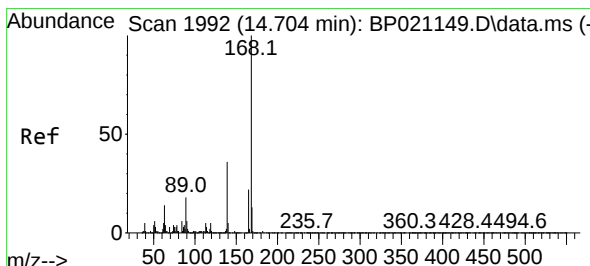
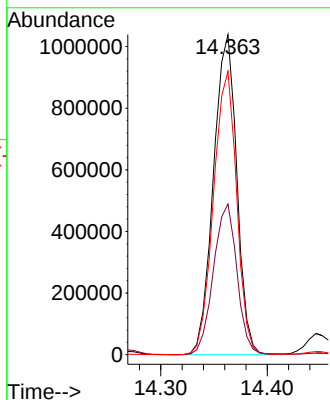
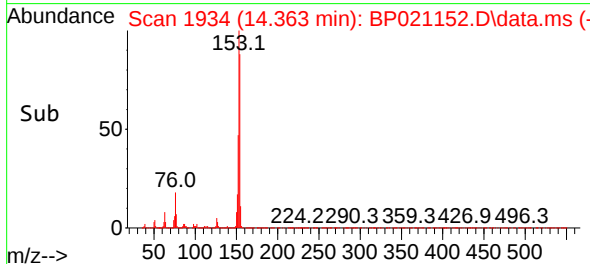
Instrument :
BNA_P
ClientSampleId :
A4BA6



Tgt Ion:153 Resp: 158026
Ion Ratio Lower Upper
153 100
152 47.1 37.8 56.6
154 88.5 71.8 107.6

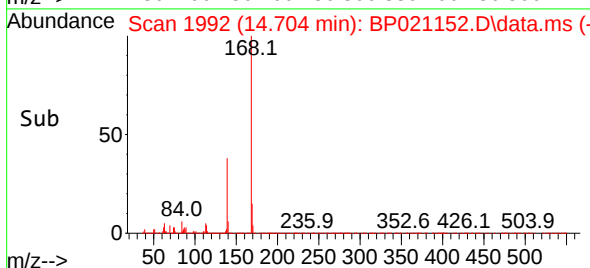
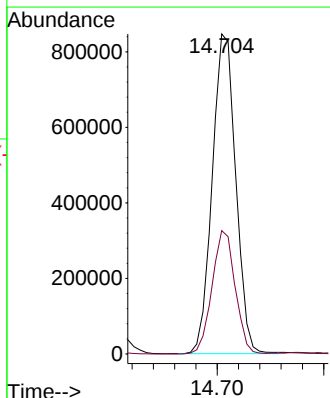
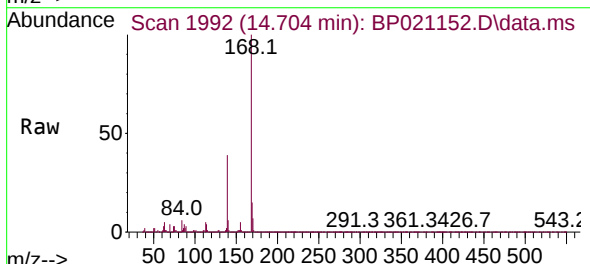
Manual Integrations
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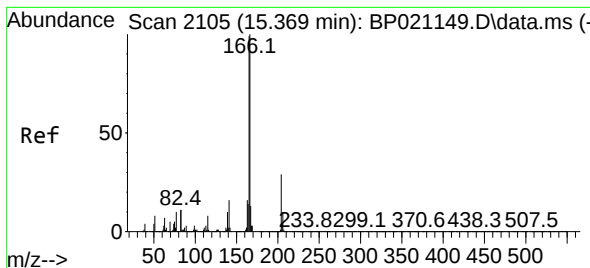
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#56
Dibenzofuran
Concen: 45.248 ng/ul
RT: 14.704 min Scan# 1992
Delta R.T. 0.006 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Tgt Ion:168 Resp: 1296399
Ion Ratio Lower Upper
168 100
139 38.5 31.1 46.7





#61

Fluorene

Concen: 77.849 ng/ul

RT: 15.369 min Scan# 2105

Delta R.T. 0.012 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

Instrument :

BNA_P

ClientSampleId :

A4BA6

Tgt Ion:166 Resp: 182014

Ion Ratio Lower Upper

166 100

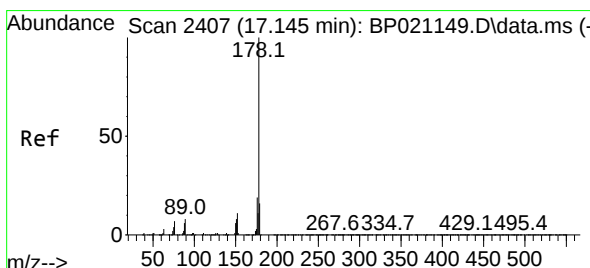
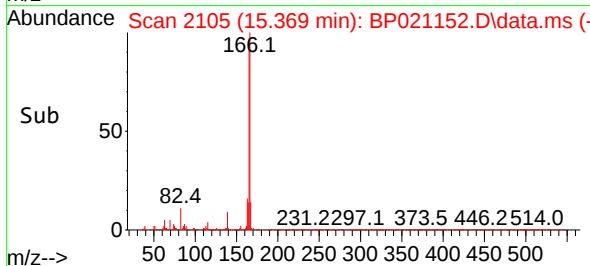
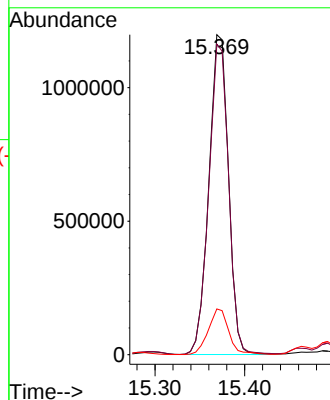
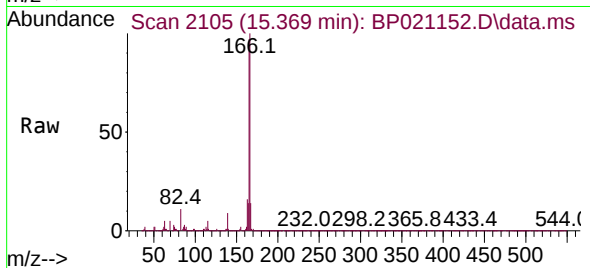
165 97.1 78.1 117.1

167 14.3 10.9 16.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#72

Phenanthrene

Concen: 305.308 ng/ul

RT: 17.169 min Scan# 2411

Delta R.T. 0.023 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

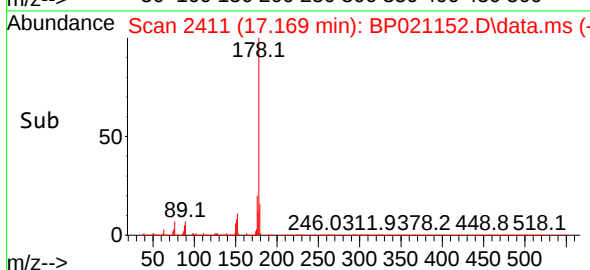
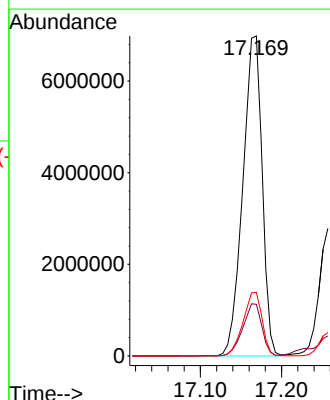
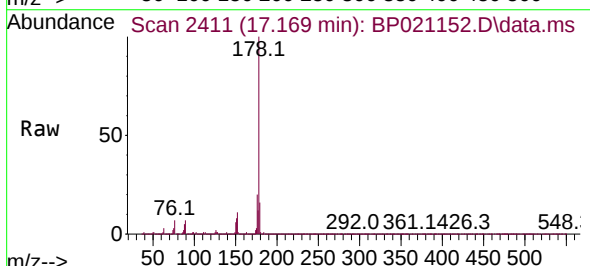
Tgt Ion:178 Resp:11570458

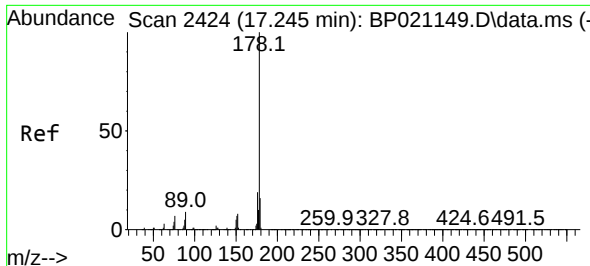
Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.4

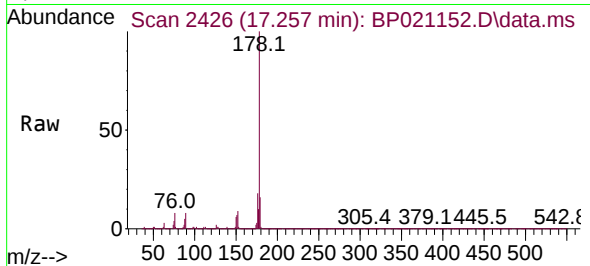
176 19.9 15.0 22.4





#74
 Anthracene
 Concen: 101.533 ng/ul
 RT: 17.257 min Scan# 2424
 Delta R.T. 0.018 min
 Lab File: BP021152.D
 Acq: 25 Jul 2024 18:06

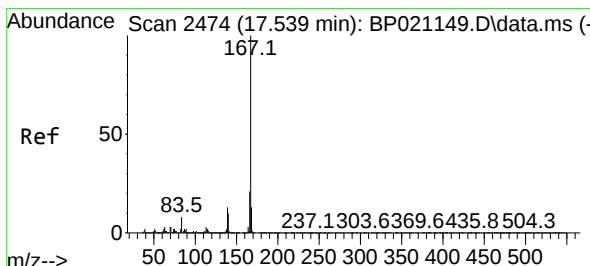
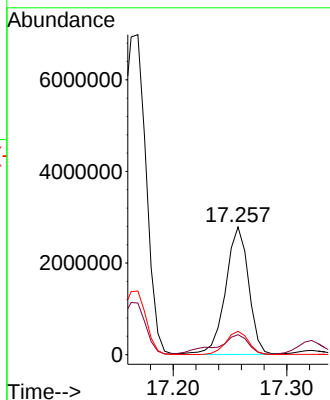
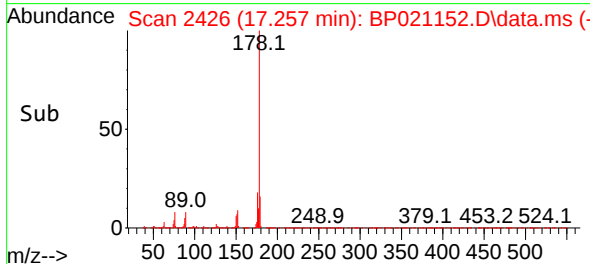
Instrument :
 BNA_P
 ClientSampleId :
 A4BA6



Tgt Ion:178 Resp: 392275
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.5 18.7
 176 18.3 14.8 22.2

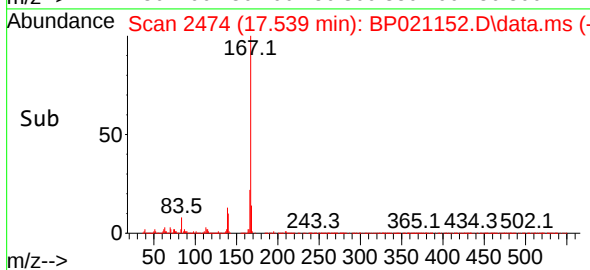
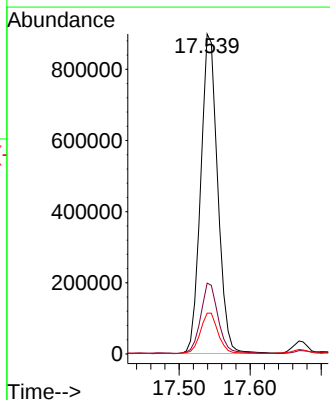
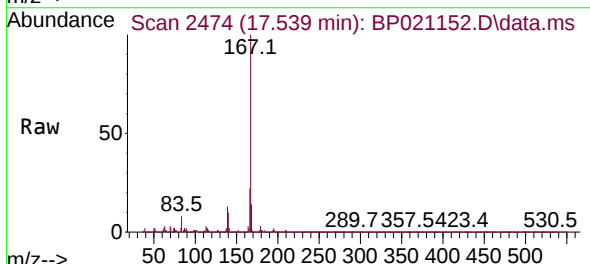
Manual Integrations
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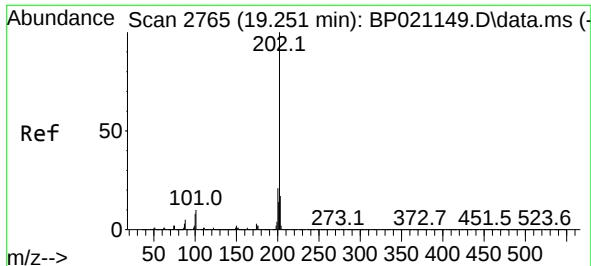
Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024



#77
 Carbazole
 Concen: 47.276 ng/ul
 RT: 17.539 min Scan# 2474
 Delta R.T. -0.000 min
 Lab File: BP021152.D
 Acq: 25 Jul 2024 18:06

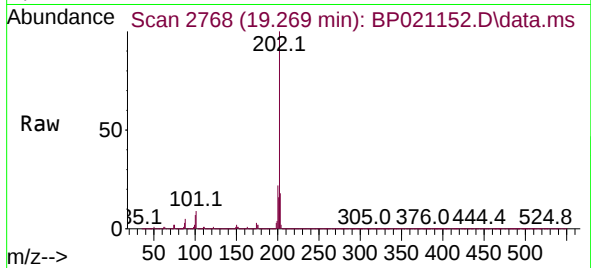
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 Ion Ratio Lower Upper
 167 100
 166 22.1 17.3 25.9
 139 12.8 10.2 15.2





#80
Fluoranthene
Concen: 186.015 ng/u1
RT: 19.269 min Scan# 21
Delta R.T. 0.023 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

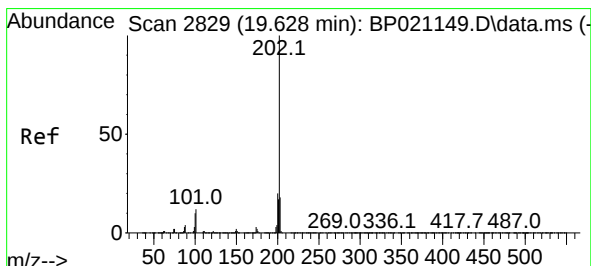
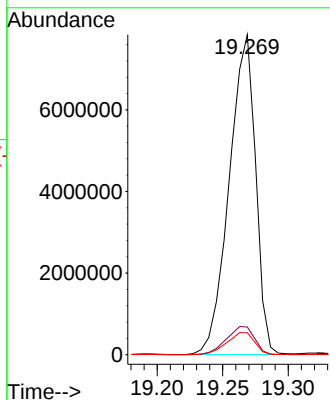
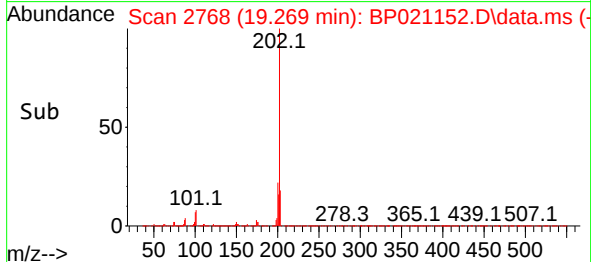
Instrument :
BNA_P
ClientSampleId :
A4BA6



Tgt Ion:202 Resp:1098482
Ion Ratio Lower Upper
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101 8.6 8.0 12.0
100 6.9 6.1 9.1

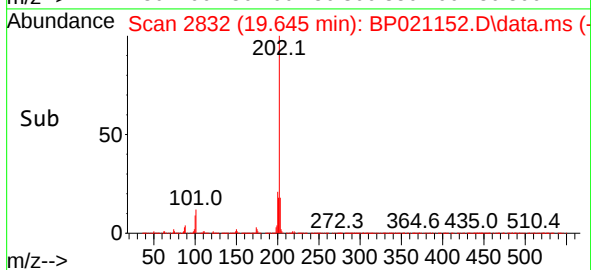
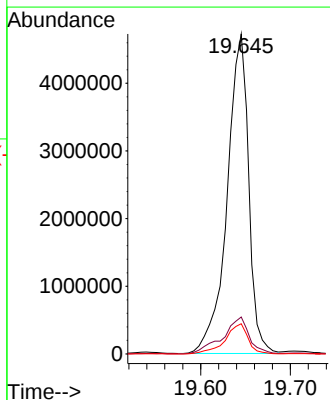
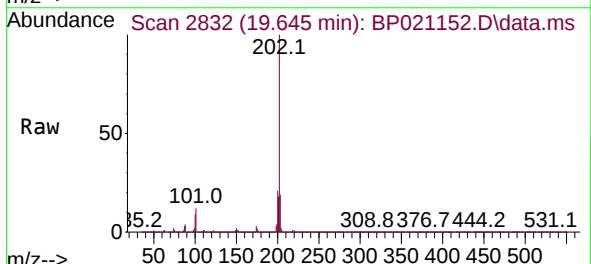
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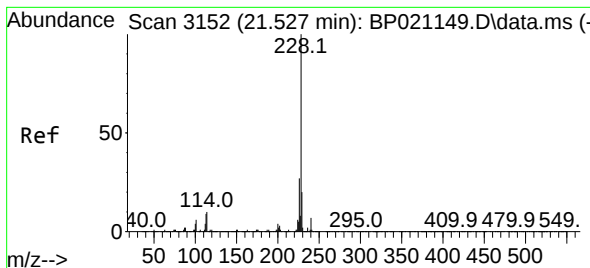
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#82
Pyrene
Concen: 130.961 ng/u1
RT: 19.645 min Scan# 2832
Delta R.T. 0.029 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Tgt Ion:202 Resp: 7869777
Ion Ratio Lower Upper
202 100
101 11.5 9.4 14.2
100 9.4 7.8 11.6





#85

Benzo(a)anthracene

Concen: 112.184 ng/ul

RT: 21.551 min Scan# 3156

Delta R.T. 0.018 min

Lab File: BP021152.D

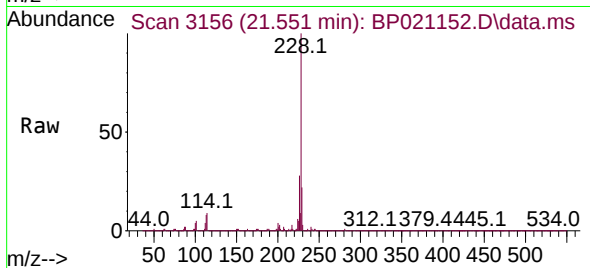
Acq: 25 Jul 2024 18:06

Instrument :

BNP_P

ClientSampleId :

A4BA6



Tgt Ion:228 Resp: 621569

Ion Ratio Lower Upper

228 100

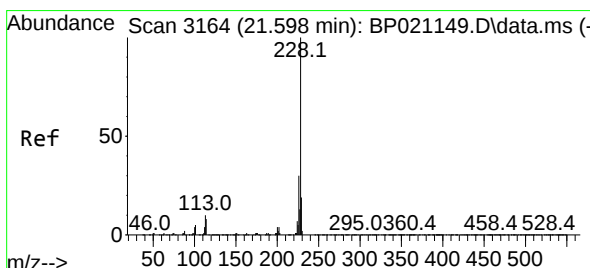
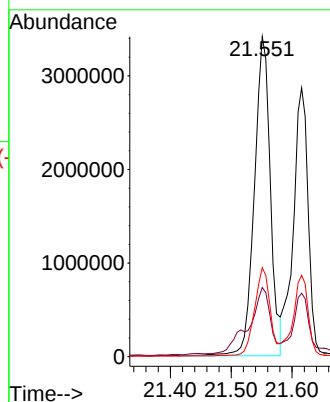
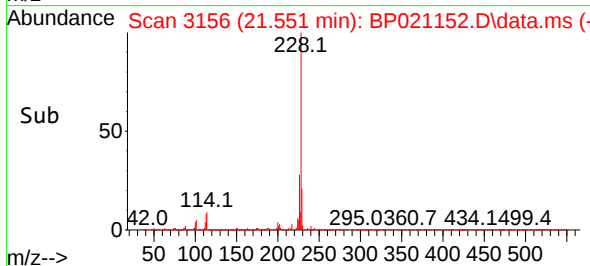
229 21.6 15.5 23.3

226 27.8 21.4 32.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#87

Chrysene

Concen: 94.694 ng/ul m

RT: 21.616 min Scan# 3167

Delta R.T. 0.012 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

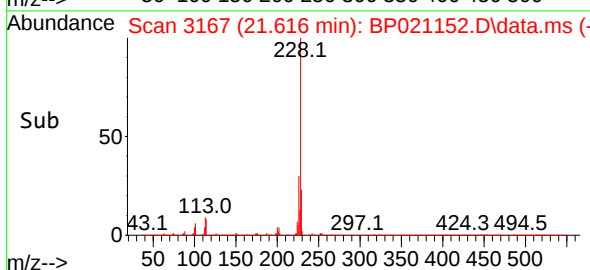
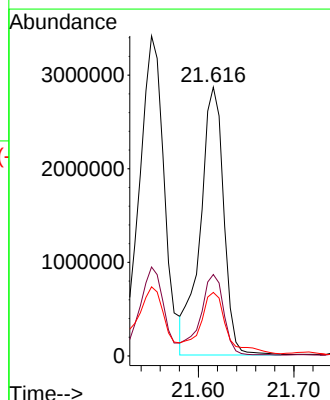
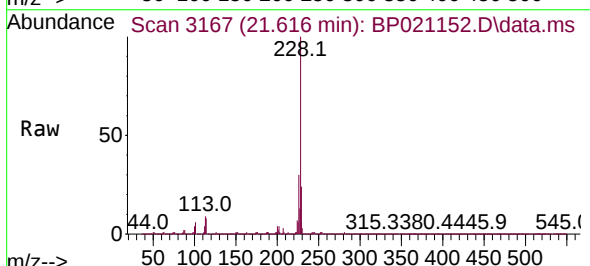
Tgt Ion:228 Resp: 4875274

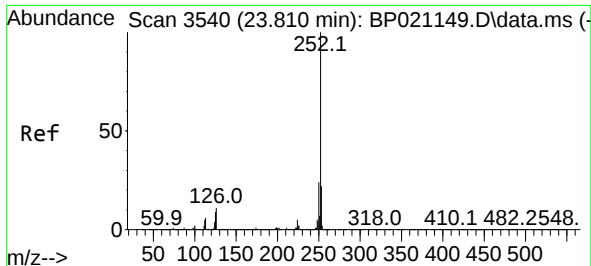
Ion Ratio Lower Upper

228 100

226 30.3 23.6 35.4

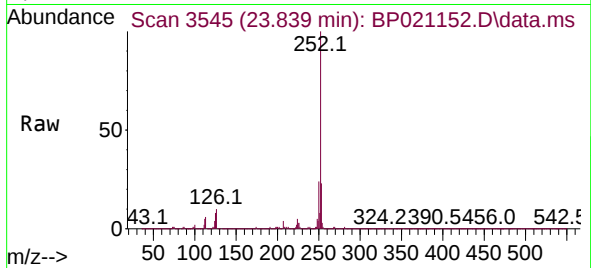
229 23.6 15.5 23.3#





#90
Benzo(b)fluoranthene
Concen: 94.250 ng/ul
RT: 23.839 min Scan# 3545
Delta R.T. 0.018 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

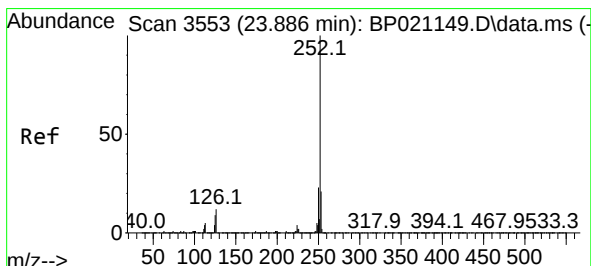
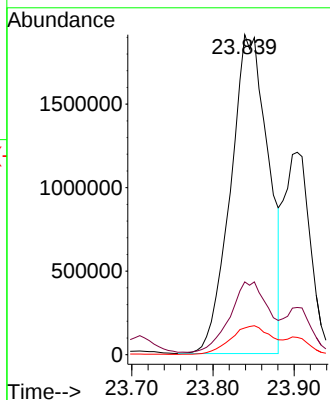
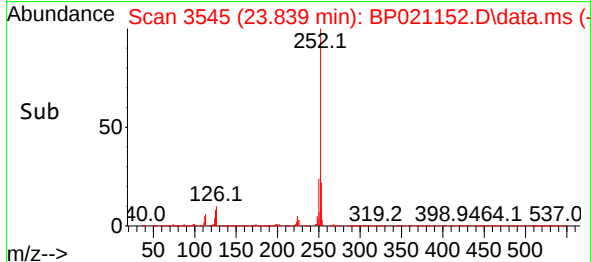
Instrument :
BNA_P
ClientSampleId :
A4BA6



Tgt Ion:252 Resp: 616365
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 8.4 7.0 10.4

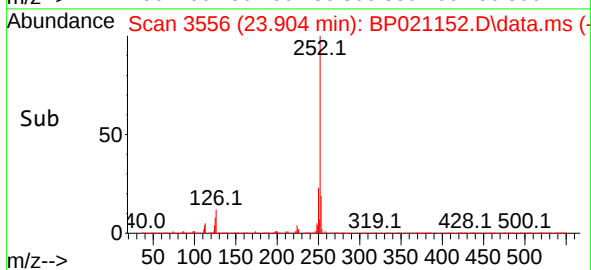
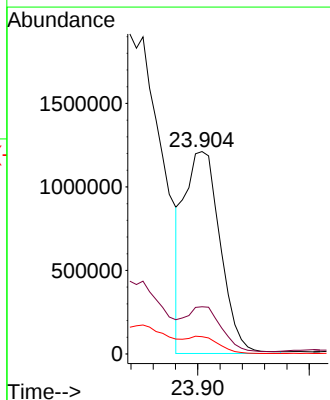
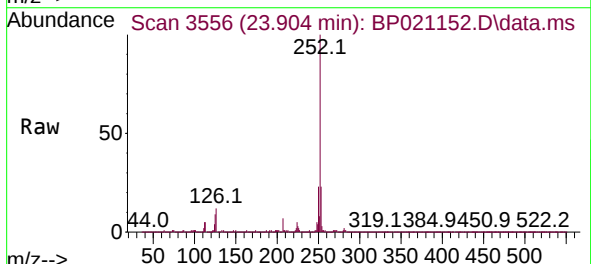
Manual Integrations
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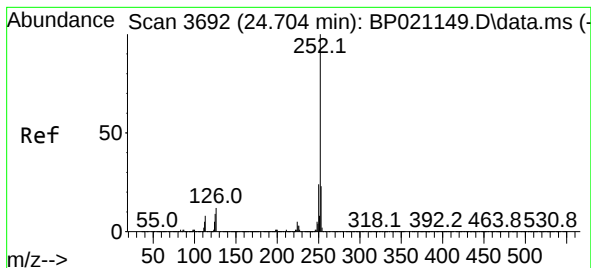
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#91
Benzo(k)fluoranthene
Concen: 41.663 ng/ul m
RT: 23.904 min Scan# 3556
Delta R.T. 0.018 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Tgt Ion:252 Resp: 2719147
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 8.6 7.4 11.0





#93

Benzo(a)pyrene

Concen: 48.748 ng/ul

RT: 24.727 min Scan# 3012578

Delta R.T. 0.012 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

Instrument :

BNA_P

ClientSampleId :

A4BA6

Tgt Ion:252 Resp: 3012578

Ion Ratio Lower Upper

252 100

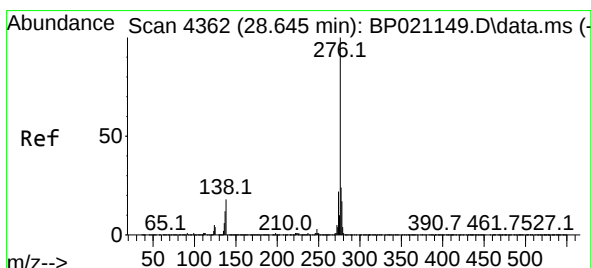
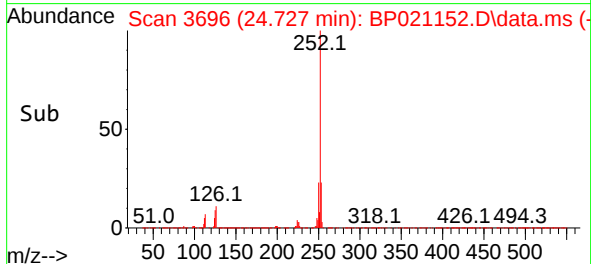
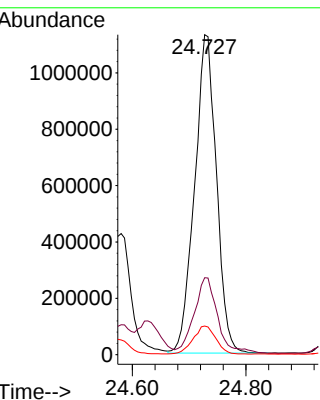
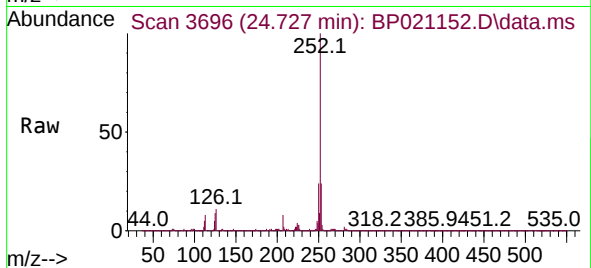
253 24.1 17.4 26.0

125 8.9 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 28.647 ng/ul

RT: 28.662 min Scan# 4365

Delta R.T. 0.023 min

Lab File: BP021152.D

Acq: 25 Jul 2024 18:06

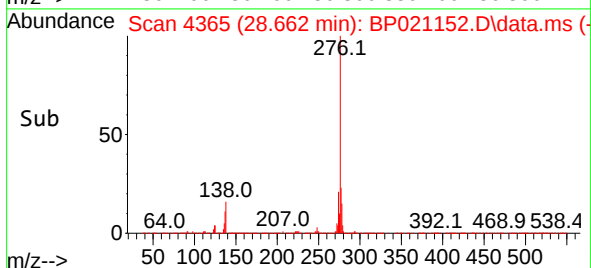
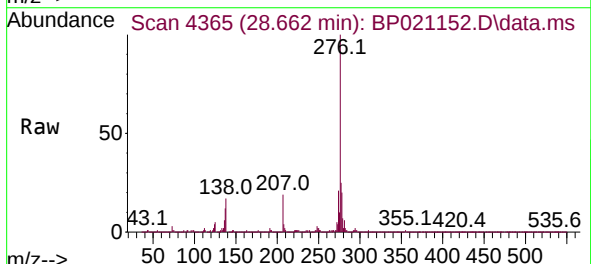
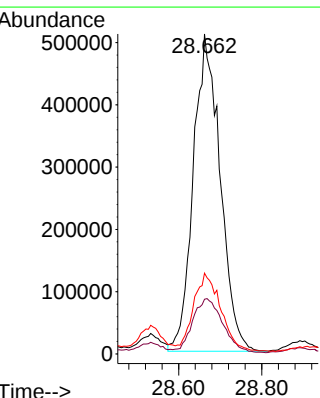
Tgt Ion:276 Resp: 2281290

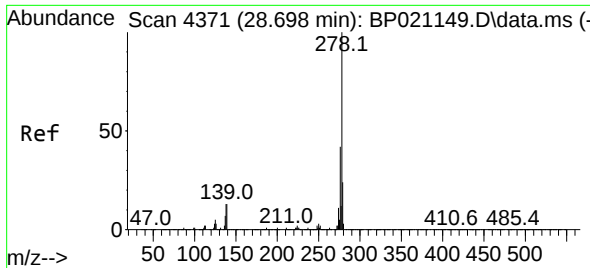
Ion Ratio Lower Upper

276 100

138 17.1 14.3 21.5

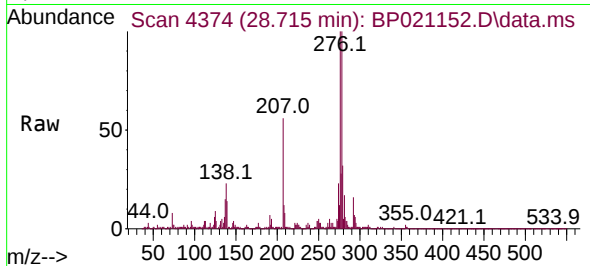
277 25.2 19.2 28.8





#95
Dibenzo(a,h)anthracene
Concen: 13.812 ng/ul m
RT: 28.715 min Scan# 4371
Delta R.T. 0.023 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

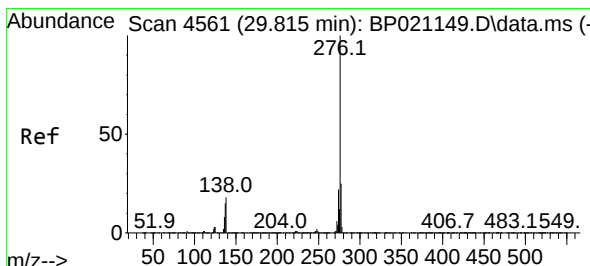
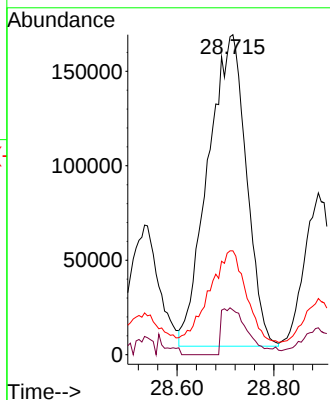
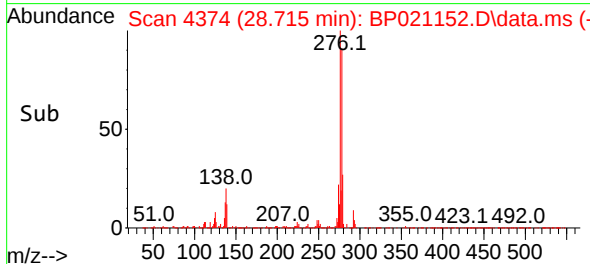
Instrument :
BNA_P
ClientSampleId :
A4BA6



Tgt Ion:278 Resp: 910828
Ion Ratio Lower Upper
278 100
139 14.0 10.9 16.3
279 32.5 19.4 29.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#96
Benzo(g,h,i)perylene
Concen: 5.019 ng/ul m
RT: 29.845 min Scan# 4566
Delta R.T. 0.035 min
Lab File: BP021152.D
Acq: 25 Jul 2024 18:06

Tgt Ion:276 Resp: 325501
Ion Ratio Lower Upper
276 100
138 22.4 15.3 22.9
277 27.8 18.2 27.2

