

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080524\
 Data File : BP021380.D
 Acq On : 05 Aug 2024 20:54
 Operator : CG/JU
 Sample : P3329-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F7E01

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 06 00:40:39 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	7.605	152	186442	20.000	ng/u1	-0.03
20) Naphthalene-d8	10.369	136	752981	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.257	164	551973	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.098	188	1104204	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1093555	20.000	ng/u1	0.00
88) Perylene-d12	24.821	264	1417254	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.158	96	9656	2.357	ng/uL	-0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.840	99	198770	13.077	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.969	67	118575	12.872	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.169	132	169183	13.509	ng/u1	-0.01
15) 4-Methylphenol-d8	8.352	113	178536	14.142	ng/u1	-0.01
21) Nitrobenzene-d5	8.781	128	90513	15.476	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.493	143	100990	15.087	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.046	165	180775	14.935	ng/u1	0.00
31) 4-Chloroaniline-d4	10.557	131	322516	20.113	ng/u1	0.00
46) Dimethylphthalate-d6	13.675	166	641545	15.988	ng/u1	0.00
49) Acenaphthylene-d8	13.945	160	714693	15.863	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.622	143	99266m	17.388	ng/u1	0.04
60) Fluorene-d10	15.275	176	574366	17.448	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.510	200	14245m	2.132	ng/u1	0.05
73) Anthracene-d10	17.210	188	882956	18.004	ng/u1	0.02
81) Pyrene-d10	19.580	212	913976	13.519	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.586	264	806339	11.536	ng/u1	-0.01
Target Compounds						
					Qvalue	
16) Acetophenone	8.457	105	43322	2.223	ng/u1	98
30) Naphthalene	10.434	128	18904601	477.300	ng/u1#	94
36) 2-Methylnaphthalene	12.057	142	11744456	431.973	ng/u1	99
37) 1-Methylnaphthalene	12.275	142	6685589	239.093	ng/u1	100
43) 1,1'-Biphenyl	13.069	154	4329224	107.321	ng/u1	100
50) Acenaphthylene	13.975	152	683772	13.404	ng/u1#	88
52) Acenaphthene	14.339	153	12853419	379.623	ng/u1	99
56) Dibenzofuran	14.681	168	14964787	322.757	ng/u1	94
61) Fluorene	15.357	166	16328630	431.567	ng/u1	100
72) Phenanthrene	17.139	178	36323866m	634.127	ng/u1	
74) Anthracene	17.245	178	14939064	255.821	ng/u1#	92
77) Carbazole	17.533	167	3551179	74.390	ng/u1	98
80) Fluoranthene	19.233	202	25122566m	307.698	ng/u1	
82) Pyrene	19.616	202	19265139	231.878	ng/u1	99
85) Benzo(a)anthracene	21.527	228	13191836	172.208	ng/u1	96
87) Chrysene	21.592	228	11955988m	167.964	ng/u1	
90) Benzo(b)fluoranthene	23.786	252	9967948	115.898	ng/u1	98
91) Benzo(k)fluoranthene	23.845	252	3607064	42.025	ng/u1	98
93) Benzo(a)pyrene	24.674	252	3229017	39.730	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.568	276	1758292	16.789	ng/u1	97
95) Dibenzo(a,h)anthracene	28.598	278	798196m	9.204	ng/u1	
96) Benzo(g,h,i)perylene	29.756	276	223965m	2.626	ng/u1	

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

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

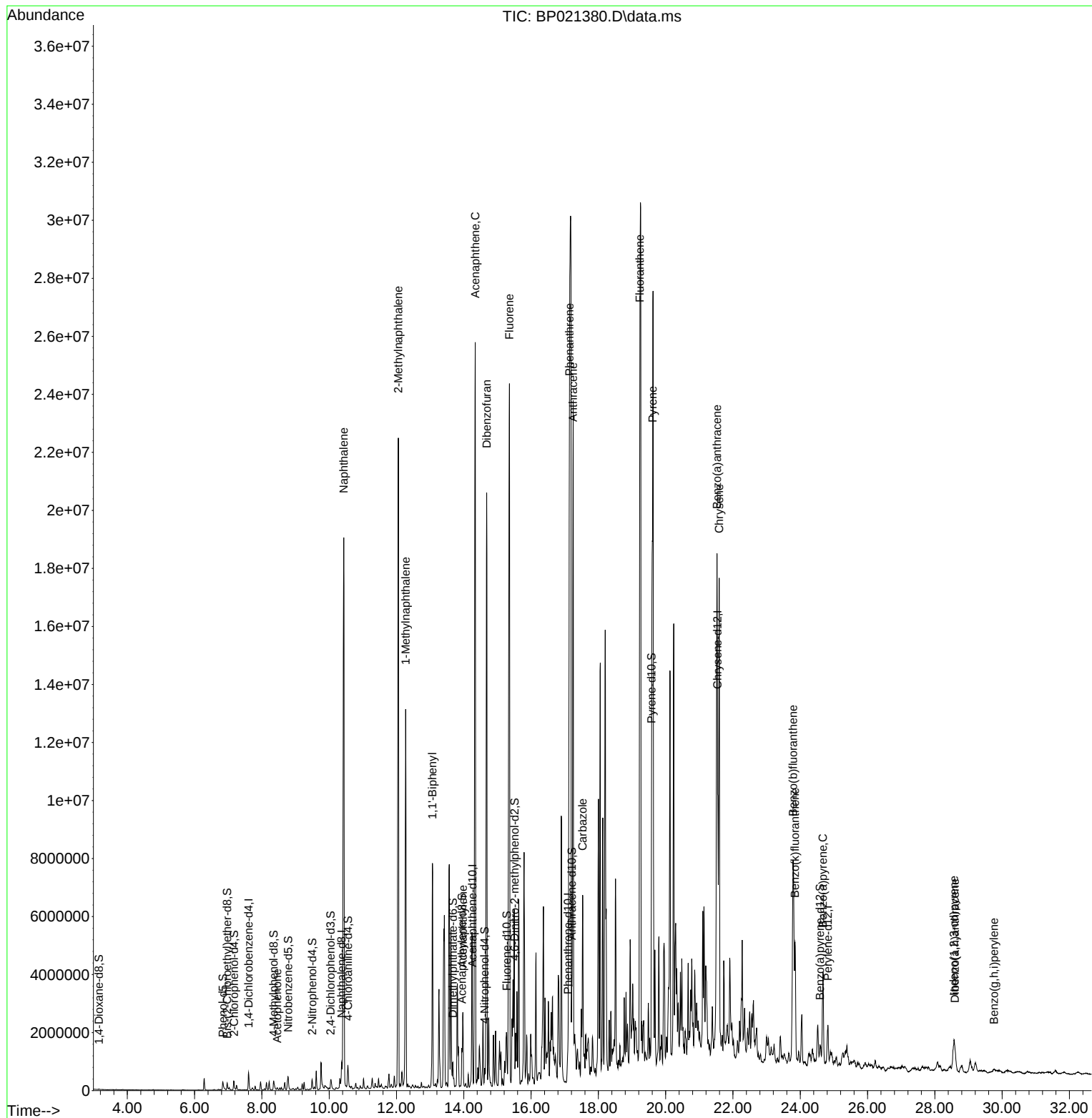
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080524\
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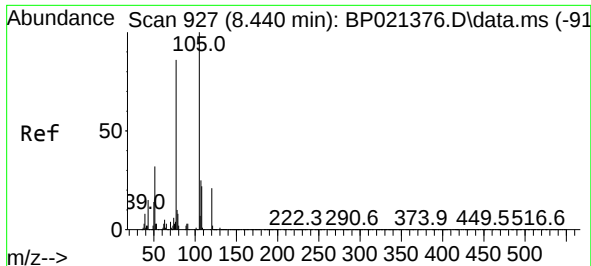
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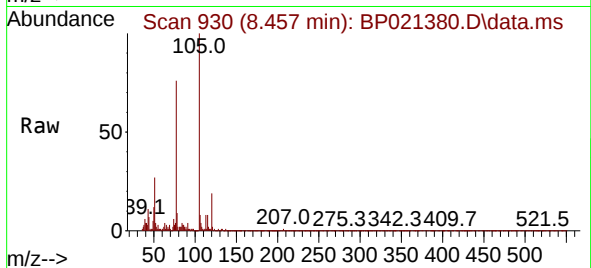
Quant Time: Aug 06 00:40:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
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#16
Acetophenone
Concen: 2.223 ng/ul
RT: 8.457 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP021380.D
Acq: 05 Aug 2024 20:54

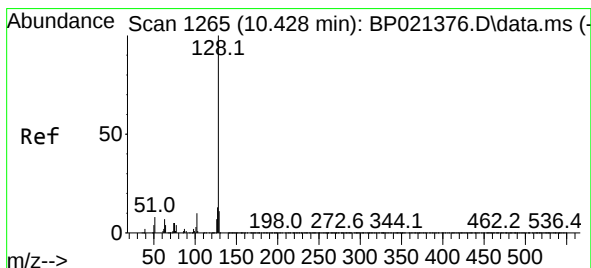
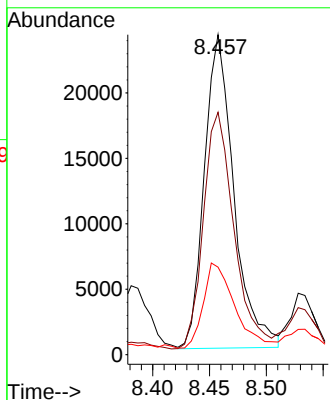
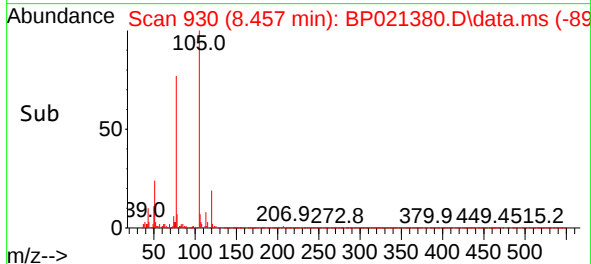
Instrument :
BNA_P
ClientSampleId :
F7E01



Tgt Ion:105 Resp: 4332
Ion Ratio Lower Upper
105 100
77 75.8 61.8 92.8
51 27.3 21.5 32.3

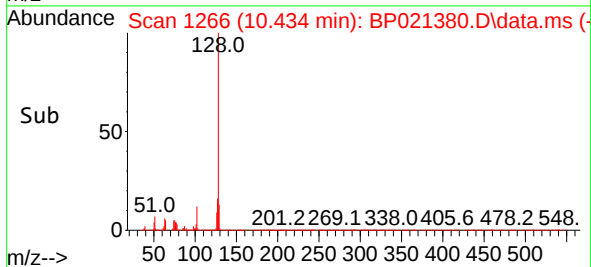
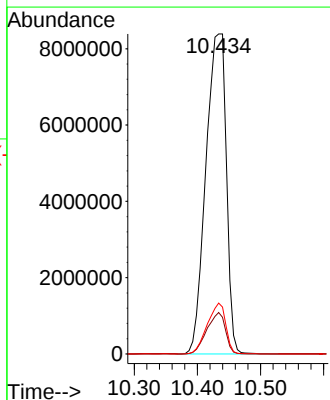
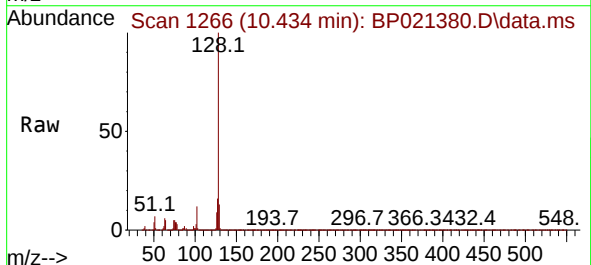
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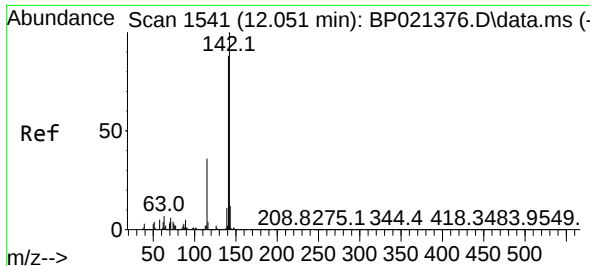
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#30
Naphthalene
Concen: 477.300 ng/ul
RT: 10.434 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BP021380.D
Acq: 05 Aug 2024 20:54

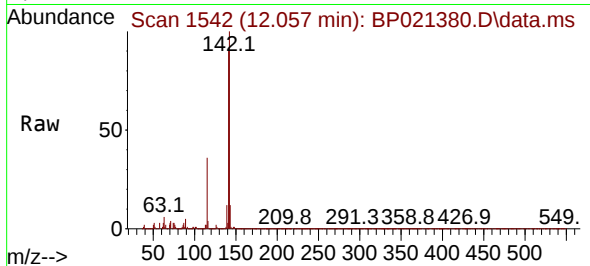
Tgt Ion:128 Resp:18904601
Ion Ratio Lower Upper
128 100
129 13.0 8.6 13.0#
127 15.9 10.8 16.2





#36
2-Methylnaphthalene
Concen: 431.973 ng/ul
RT: 12.057 min Scan# 1541
Delta R.T. -0.011 min
Lab File: BP021380.D
Acq: 05 Aug 2024 20:54

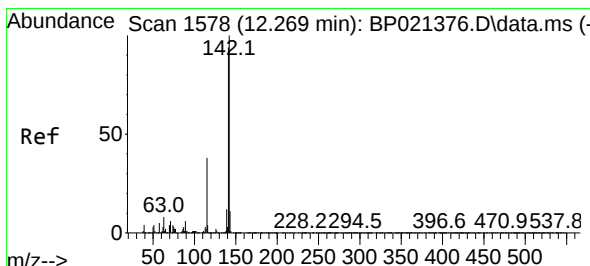
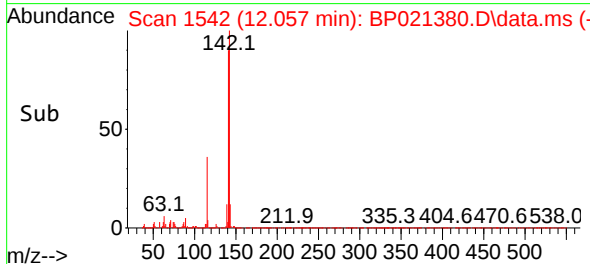
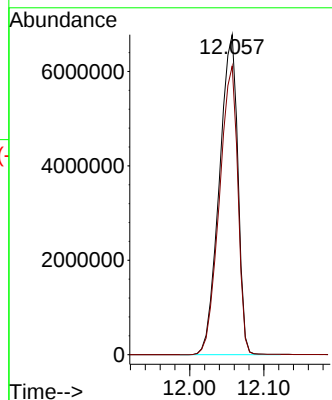
Instrument :
BNA_P
ClientSampleId :
F7E01



Tgt Ion:142 Resp:11744450
Ion Ratio Lower Upper
142 100
141 90.2 72.6 108.8

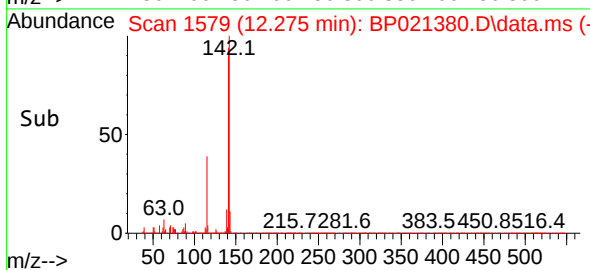
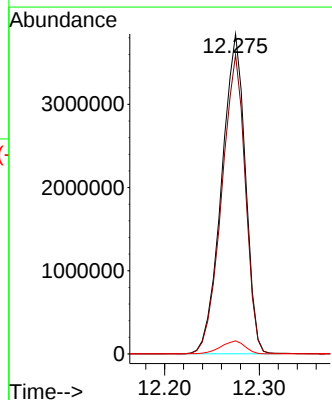
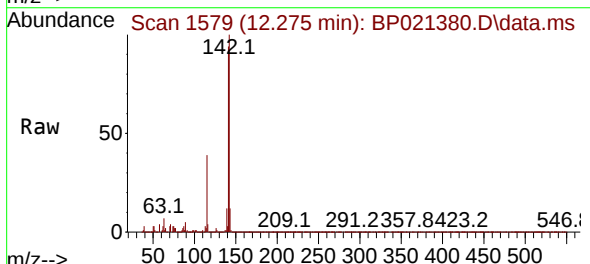
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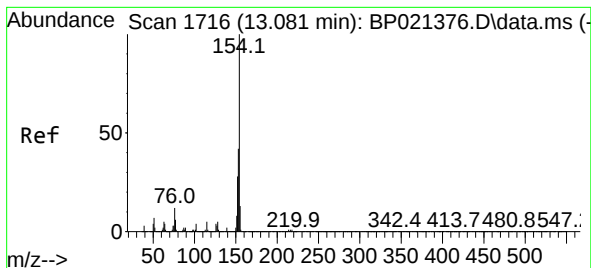
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#37
1-Methylnaphthalene
Concen: 239.093 ng/ul
RT: 12.275 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BP021380.D
Acq: 05 Aug 2024 20:54

Tgt Ion:142 Resp: 6685589
Ion Ratio Lower Upper
142 100
141 93.5 75.0 112.6
116 4.1 3.2 4.8





#43

1,1'-Biphenyl

Concen: 107.321 ng/ul

RT: 13.069 min Scan# 11

Delta R.T. -0.017 min

Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

Instrument :

BNA_P

ClientSampleId :

F7E01

Tgt Ion:154 Resp: 4329224

Ion Ratio Lower Upper

154 100

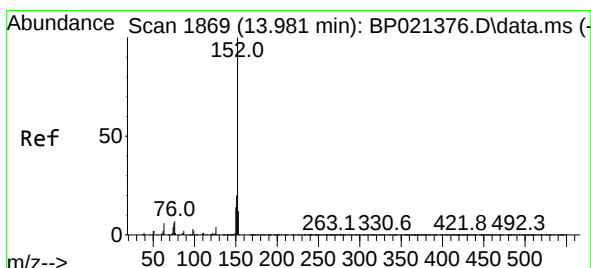
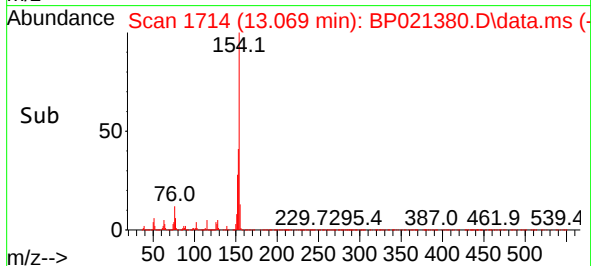
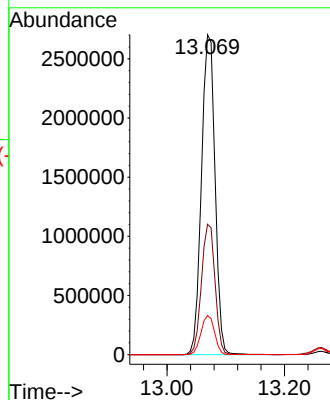
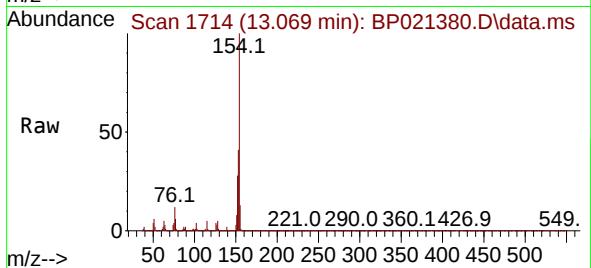
153 40.7 32.7 49.1

76 12.3 9.4 14.2

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#50

Acenaphthylene

Concen: 13.404 ng/ul

RT: 13.975 min Scan# 1868

Delta R.T. -0.017 min

Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

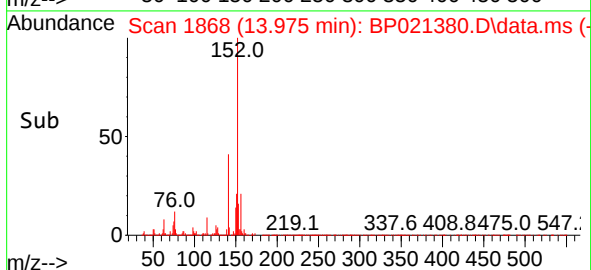
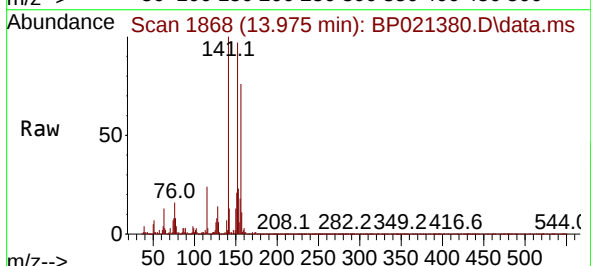
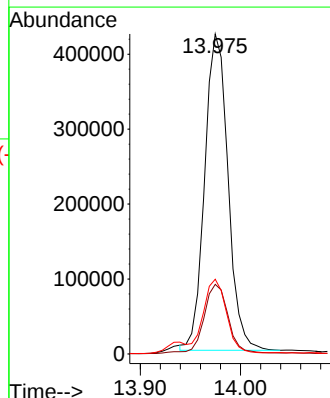
Tgt Ion:152 Resp: 683772

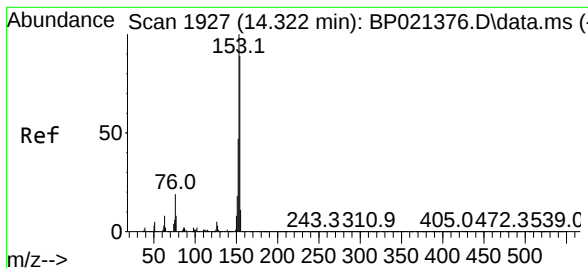
Ion Ratio Lower Upper

152 100

151 21.7 16.2 24.2

153 23.4 10.3 15.5#





#52

Acenaphthene

Concen: 379.623 ng/u1

RT: 14.339 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BP021380.D

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Instrument :

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Tgt Ion:153 Resp:12853419

Ion Ratio Lower Upper

153 100

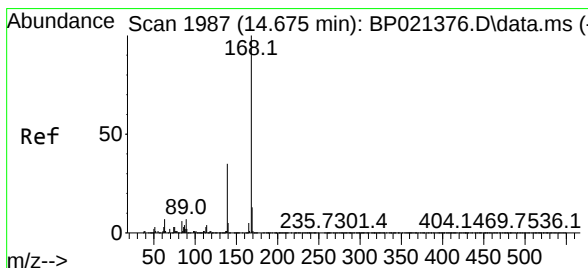
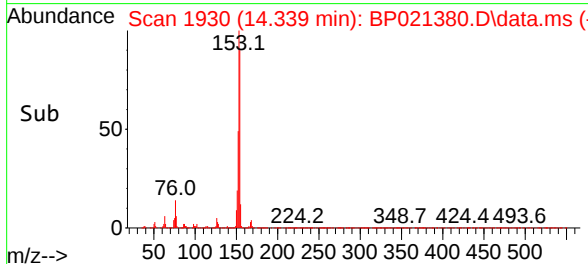
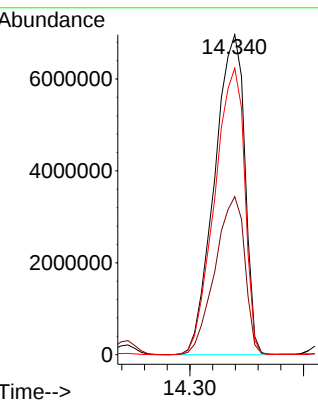
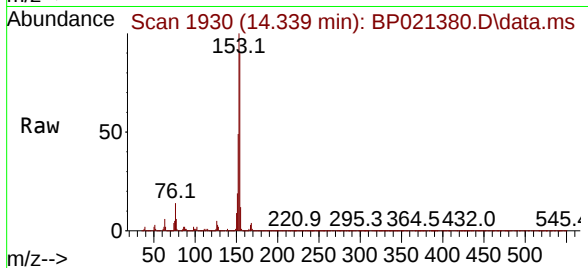
152 49.4 37.8 56.6

154 89.6 71.8 107.6

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#56

Dibenzofuran

Concen: 322.757 ng/u1

RT: 14.681 min Scan# 1988

Delta R.T. -0.006 min

Lab File: BP021380.D

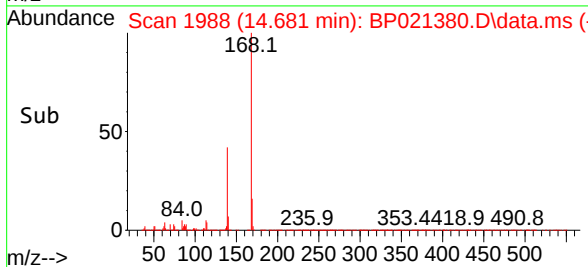
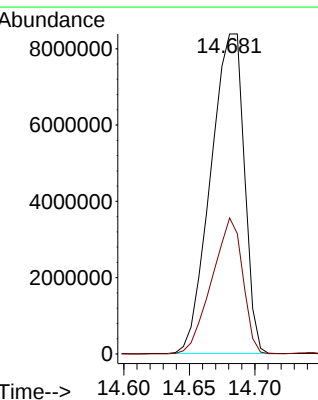
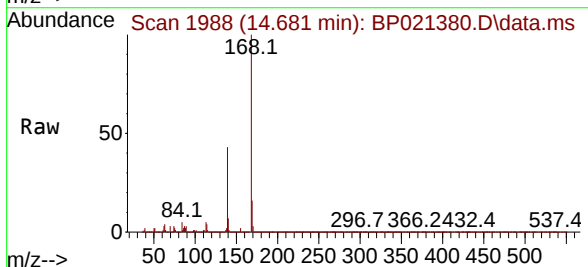
Acq: 05 Aug 2024 20:54

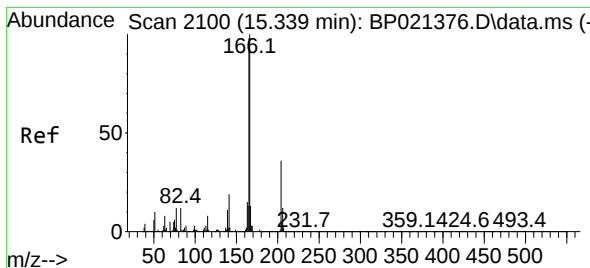
Tgt Ion:168 Resp:14964787

Ion Ratio Lower Upper

168 100

139 42.5 31.1 46.7





#61

Fluorene

Concen: 431.567 ng/ul

RT: 15.357 min Scan# 2103

Delta R.T. 0.012 min

Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

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Tgt Ion:166 Resp:16328630

Ion Ratio Lower Upper

166 100

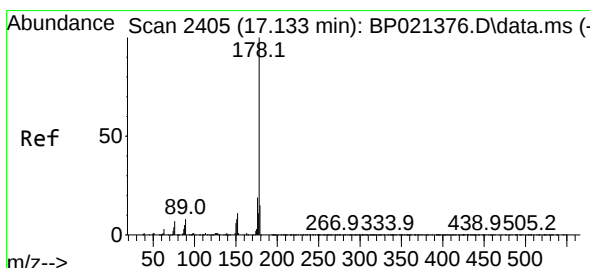
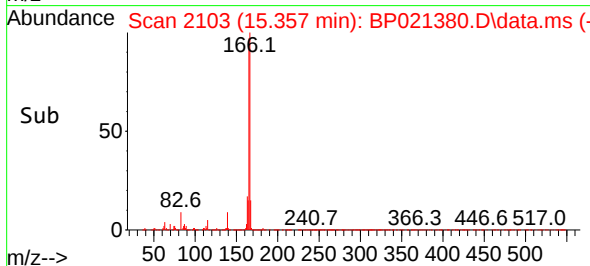
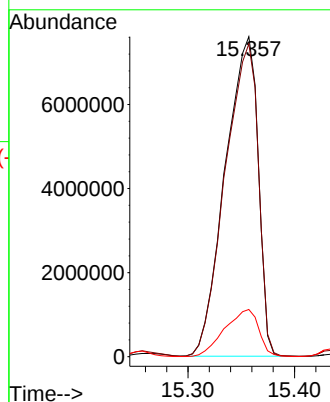
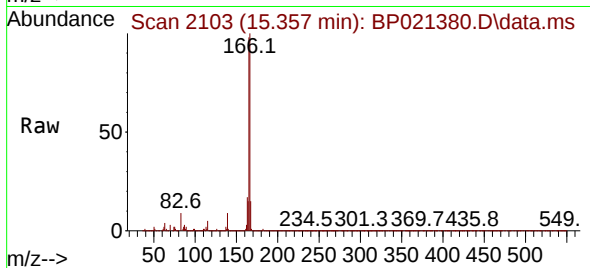
165 97.8 78.1 117.1

167 14.8 10.9 16.3

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#72

Phenanthrene

Concen: 634.127 ng/ul m

RT: 17.139 min Scan# 2406

Delta R.T. 0.006 min

Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

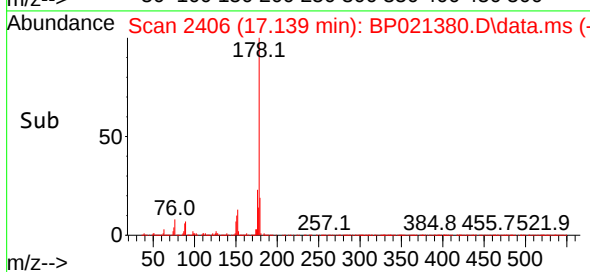
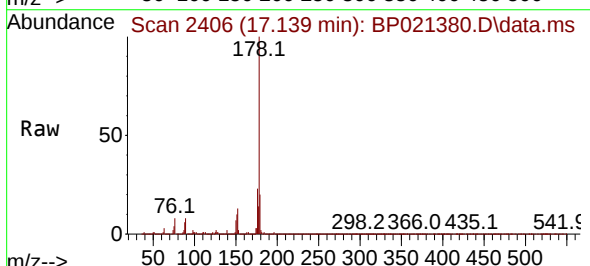
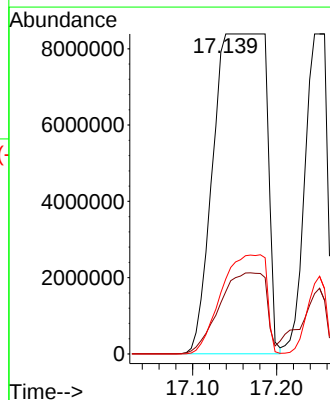
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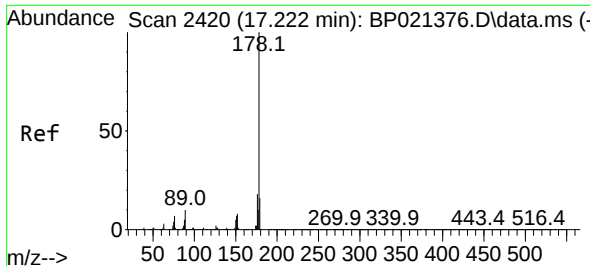
Ion Ratio Lower Upper

178 100

179 19.5 12.2 18.4#

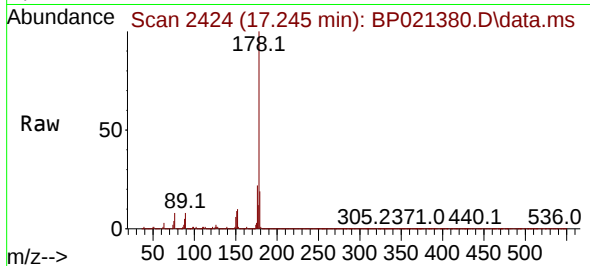
176 23.4 15.0 22.4#





#74
 Anthracene
 Concen: 255.821 ng/u1
 RT: 17.245 min Scan# 2424
 Delta R.T. 0.012 min
 Lab File: BP021380.D
 Acq: 05 Aug 2024 20:54

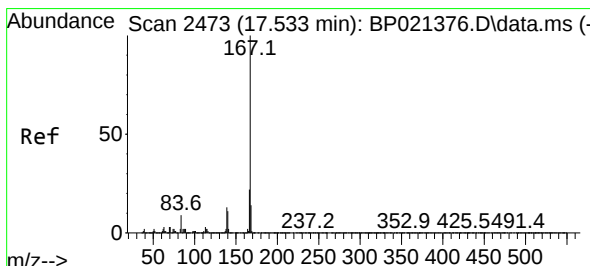
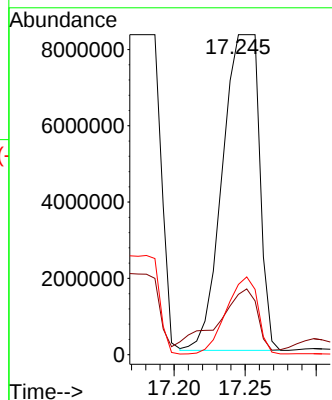
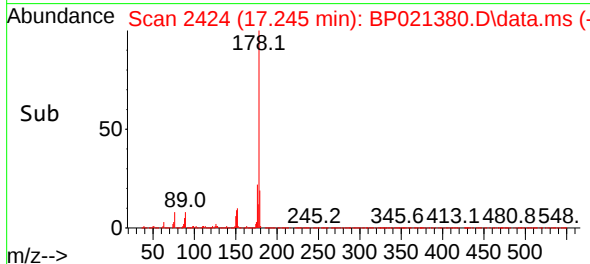
Instrument :
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Tgt Ion:178 Resp:14939064
 Ion Ratio Lower Upper
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 179 18.8 12.5 18.7
 176 22.0 14.8 22.2

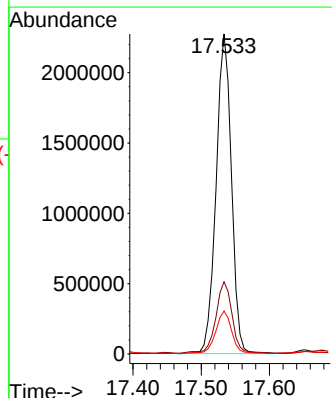
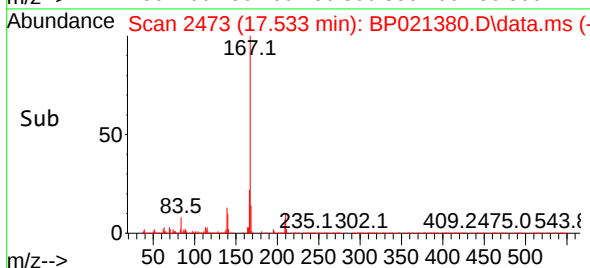
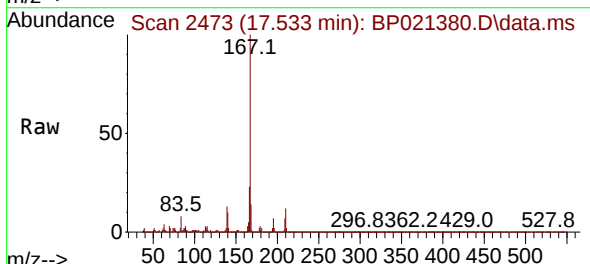
Manual Integrations
 APPROVED

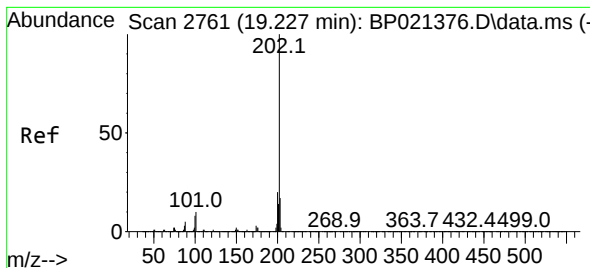
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024



#77
 Carbazole
 Concen: 74.390 ng/u1
 RT: 17.533 min Scan# 2473
 Delta R.T. 0.012 min
 Lab File: BP021380.D
 Acq: 05 Aug 2024 20:54

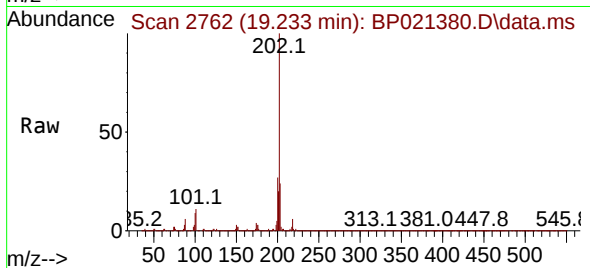
Tgt Ion:167 Resp: 3551179
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.3 25.9
 139 13.4 10.2 15.2





#80
Fluoranthene
Concen: 307.698 ng/ul m
RT: 19.233 min Scan# 2761
Delta R.T. 0.000 min
Lab File: BP021380.D
Acq: 05 Aug 2024 20:54

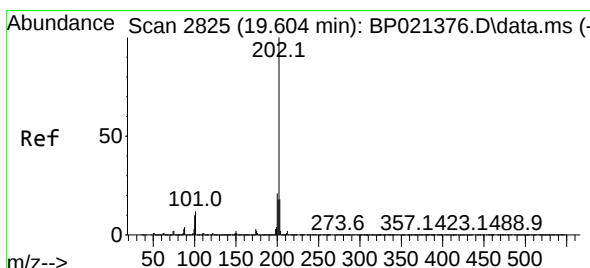
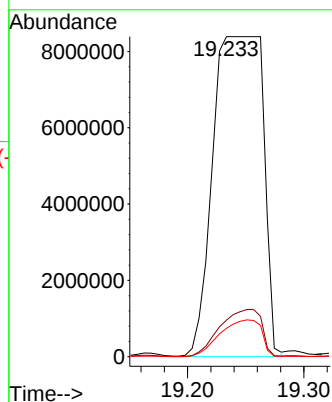
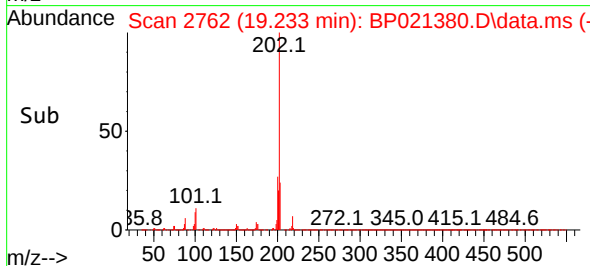
Instrument :
BNA_P
ClientSampleId :
F7E01



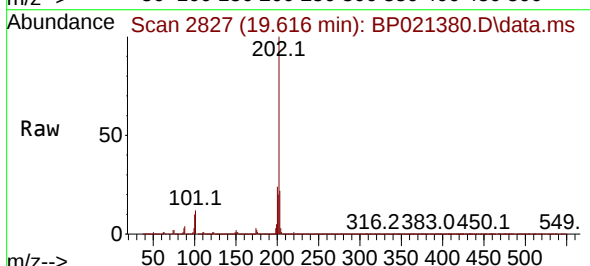
Tgt Ion:202 Resp:25122560
Ion Ratio Lower Upper
202 100
101 11.4 8.0 12.0
100 8.9 6.1 9.1

Manual Integrations
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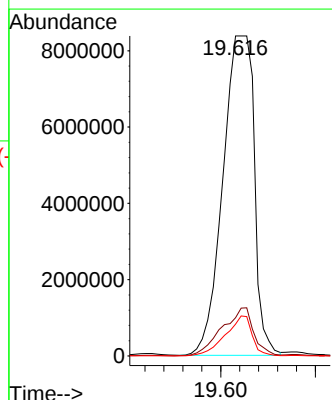
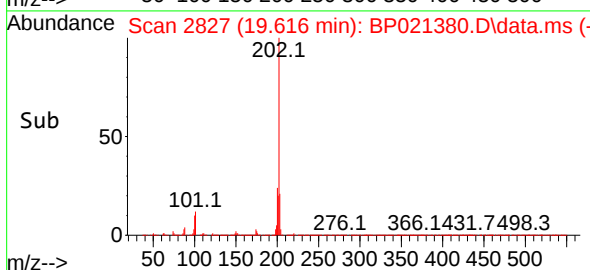
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

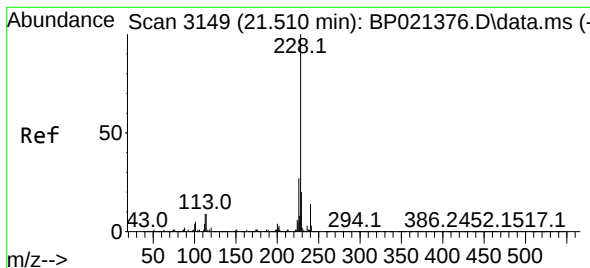


#82
Pyrene
Concen: 231.878 ng/ul
RT: 19.616 min Scan# 2827
Delta R.T. 0.006 min
Lab File: BP021380.D
Acq: 05 Aug 2024 20:54



Tgt Ion:202 Resp:19265139
Ion Ratio Lower Upper
202 100
101 11.9 9.4 14.2
100 10.0 7.8 11.6





#85

Benzo(a)anthracene

Concen: 172.208 ng/ul

RT: 21.527 min Scan# 3152

Delta R.T. 0.018 min

Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

Instrument :

BNA_P

ClientSampleId :

F7E01

Tgt Ion:228 Resp:1319183

Ion Ratio Lower Upper

228 100

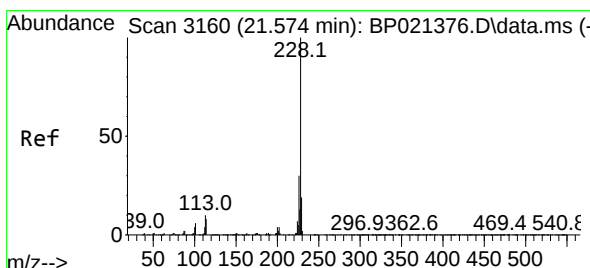
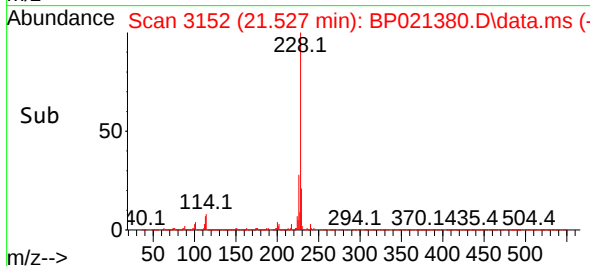
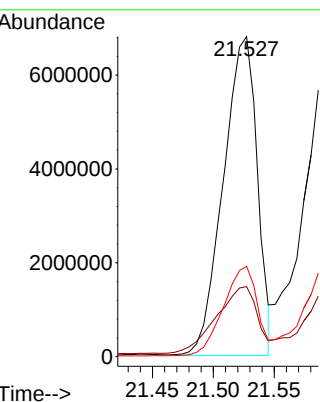
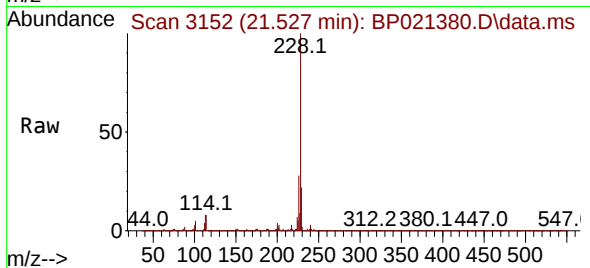
229 21.9 15.5 23.3

226 28.2 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#87

Chrysene

Concen: 167.964 ng/ul m

RT: 21.592 min Scan# 3163

Delta R.T. 0.006 min

Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

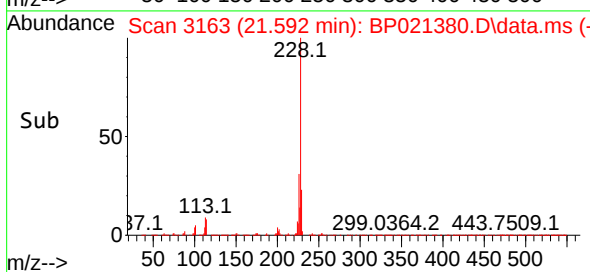
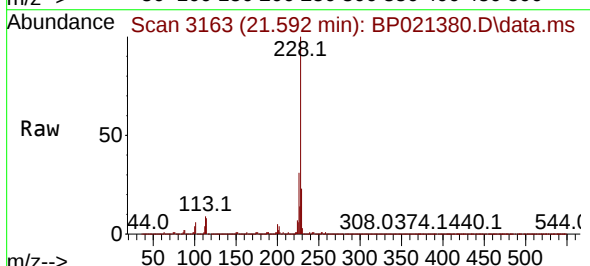
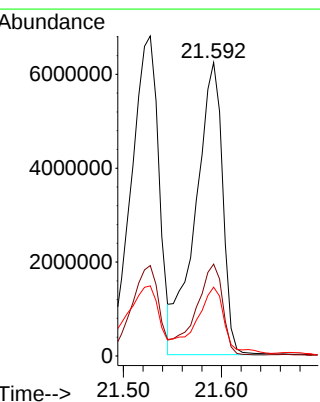
Tgt Ion:228 Resp:11955988

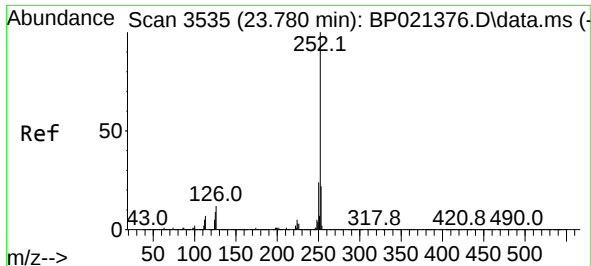
Ion Ratio Lower Upper

228 100

226 31.3 23.6 35.4

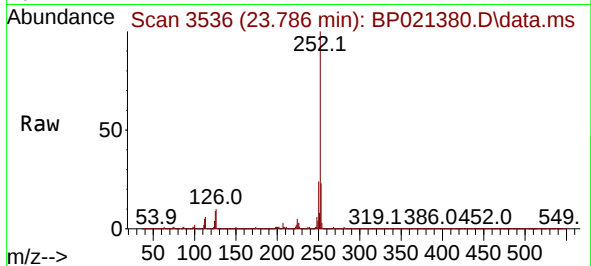
229 23.5 15.5 23.3#





#90
Benzo(b)fluoranthene
Concen: 115.898 ng/ul
RT: 23.786 min Scan# 3535
Delta R.T. 0.000 min
Lab File: BP021380.D
Acq: 05 Aug 2024 20:54

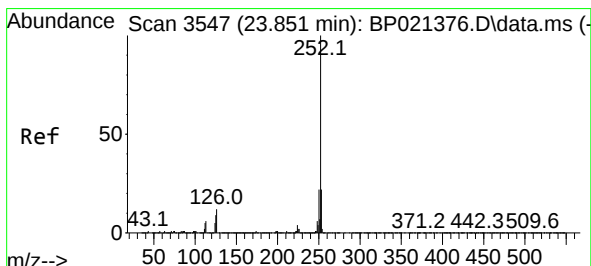
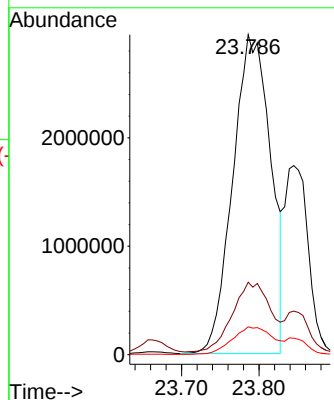
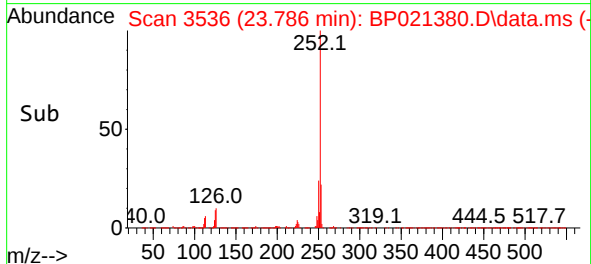
Instrument :
BNA_P
ClientSampleId :
F7E01



Tgt Ion:252 Resp: 996794
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 8.7 7.0 10.4

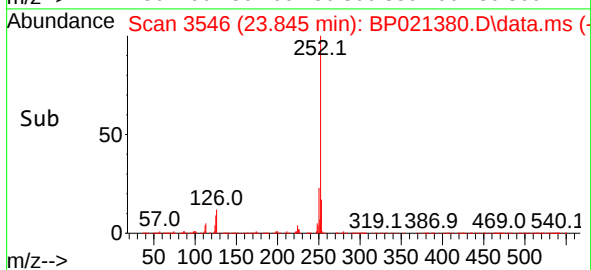
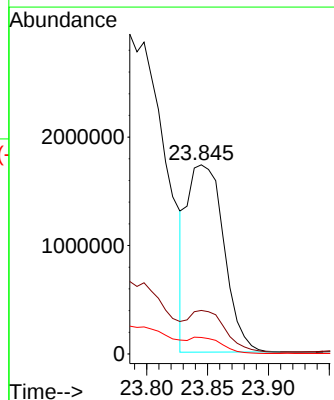
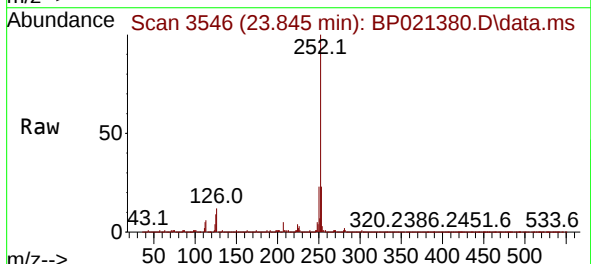
Manual Integrations
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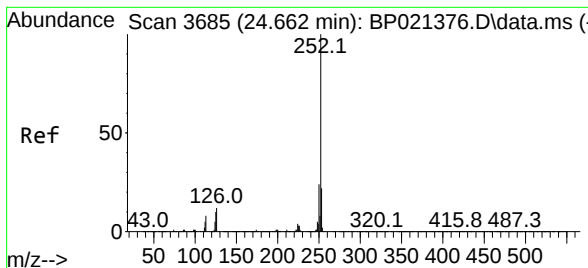
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#91
Benzo(k)fluoranthene
Concen: 42.025 ng/ul
RT: 23.845 min Scan# 3546
Delta R.T. -0.006 min
Lab File: BP021380.D
Acq: 05 Aug 2024 20:54

Tgt Ion:252 Resp: 3607064
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 8.7 7.4 11.0





#93

Benzo(a)pyrene

Concen: 39.730 ng/u1

RT: 24.674 min Scan# 30

Delta R.T. -0.006 min

Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

Instrument :

BNA_P

ClientSampleId :

F7E01

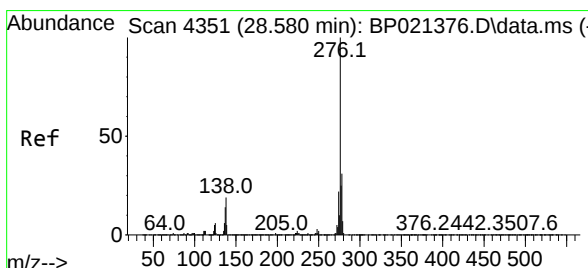
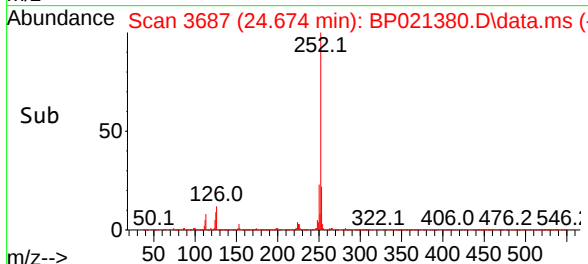
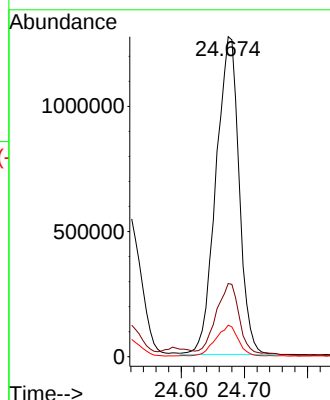
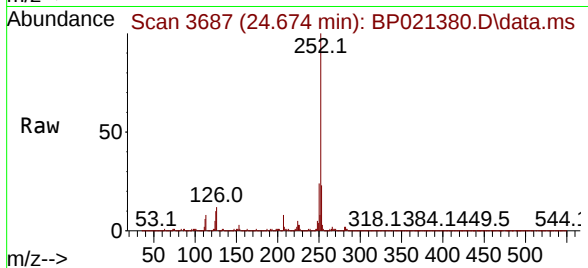
Tgt Ion:252 Resp: 322901

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	9.9	7.7	11.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 16.789 ng/u1

RT: 28.568 min Scan# 4349

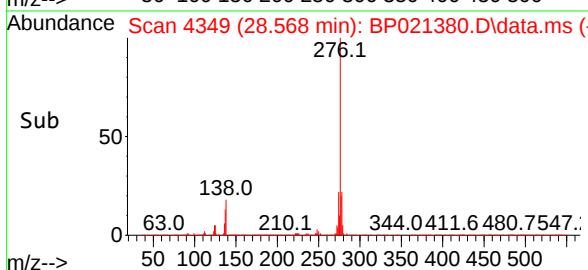
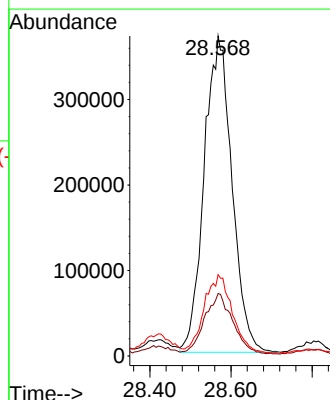
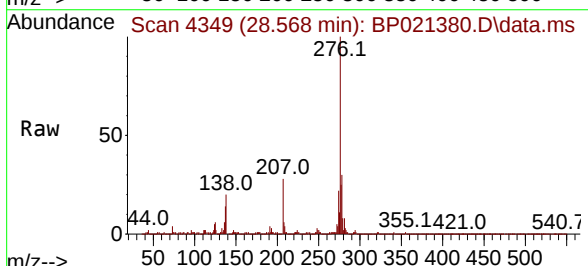
Delta R.T. -0.029 min

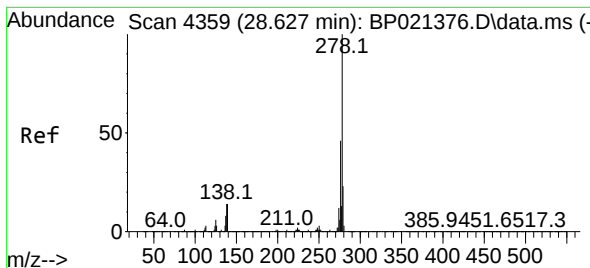
Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

Tgt Ion:276 Resp: 1758292

Ion	Ratio	Lower	Upper
276	100		
138	19.5	14.3	21.5
277	25.4	19.2	28.8





#95

Dibenzo(a,h)anthracene

Concen: 9.204 ng/ul m

RT: 28.598 min Scan# 4

Delta R.T. -0.041 min

Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

Instrument :

BNA_P

ClientSampleId :

F7E01

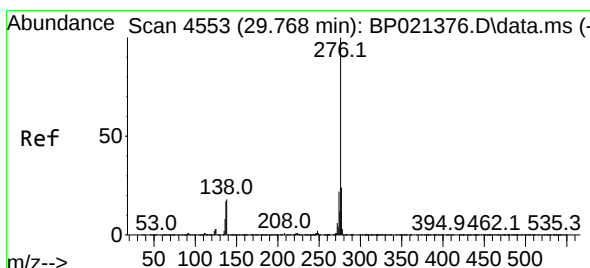
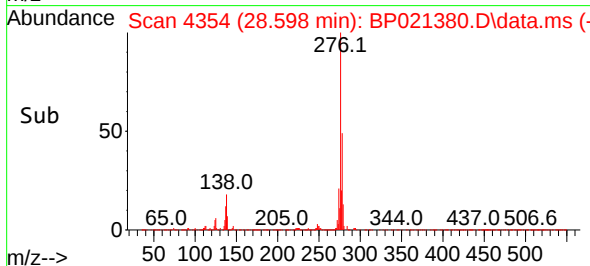
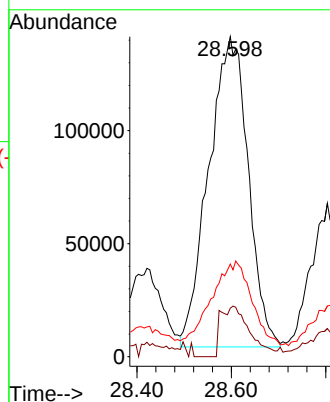
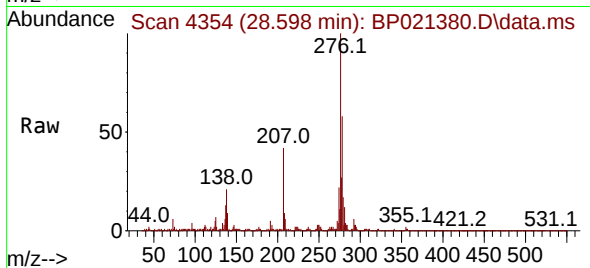
Tgt Ion:278 Resp: 798190

Ion	Ratio	Lower	Upper
278	100		
139	15.1	10.9	16.3
279	29.0	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#96

Benzo(g,h,i)perylene

Concen: 2.626 ng/ul m

RT: 29.756 min Scan# 4551

Delta R.T. -0.006 min

Lab File: BP021380.D

Acq: 05 Aug 2024 20:54

Tgt Ion:276 Resp: 223965

Ion	Ratio	Lower	Upper
276	100		
138	19.2	15.3	22.9
277	28.6	18.2	27.2

