

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014966.D
 Acq On : 04 May 2023 22:48
 Operator : CG/JU
 Sample : 02479-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW943

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/05/2023
 Supervised By : Jagrut Upadhyay 05/05/2023

Quant Time: May 05 00:59:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 04 11:40:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	383344	20.000	ng/u1	0.00
20) Naphthalene-d8	10.999	136	1589551	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.810	164	869984	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.563	188	1428799	20.000	ng/u1	0.00
79) Chrysene-d12	21.645	240	1037636	20.000	ng/u1	0.00
88) Perylene-d12	24.251	264	1292118	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	21165	2.053	ng/uL	0.00
4) Pyridine-d5	3.928	84	15666m	0.556	ng/u1	0.03
7) Phenol-d5	7.311	99	376115	11.317	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.481	67	242356	11.798	ng/u1	0.00
11) 2-Chlorophenol-d4	7.687	132	303426	12.416	ng/u1	0.00
15) 4-Methylphenol-d8	8.869	113	290116	11.327	ng/u1	0.00
21) Nitrobenzene-d5	9.340	128	150635	13.325	ng/u1	0.00
24) 2-Nitrophenol-d4	10.069	143	157474	13.565	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.610	165	278087	12.200	ng/u1	0.00
31) 4-Chloroaniline-d4	11.134	131	182273	5.529	ng/u1	0.00
46) Dimethylphthalate-d6	14.210	166	852432	13.844	ng/u1	0.00
49) Acenaphthylene-d8	14.504	160	1000721	13.552	ng/u1	0.00
54) 4-Nitrophenol-d4	14.993	143	44347	4.140	ng/u1	0.00
60) Fluorene-d10	15.798	176	682351	12.881	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.916	200	25876	3.217	ng/u1	0.00
73) Anthracene-d10	17.663	188	859130	13.383	ng/u1	0.00
81) Pyrene-d10	19.881	212	818706	11.699	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.080	264	872538	13.859	ng/u1	0.01
Target Compounds						
					Qvalue	
8) Phenol	7.334	94	70110	2.009	ng/u1	98
16) Acetophenone	8.999	105	201847	4.820	ng/u1	99
30) Naphthalene	11.052	128	202844	2.322	ng/u1	98
36) 2-Methylnaphthalene	12.646	142	178802	3.309	ng/u1	97
37) 1-Methylnaphthalene	12.863	142	111194	1.996	ng/u1	99
50) Acenaphthylene	14.534	152	198807	2.375	ng/u1	98
52) Acenaphthene	14.869	153	399179	6.890	ng/u1	99
56) Dibenzofuran	15.204	168	402733	5.152	ng/u1	100
61) Fluorene	15.851	166	729089	11.823	ng/u1	100
72) Phenanthrene	17.610	178	5378355	68.136	ng/u1	98
74) Anthracene	17.698	178	1755496	22.338	ng/u1	99
77) Carbazole	17.957	167	336941	5.098	ng/u1	98
78) Di-n-butylphthalate	18.492	149	418882	5.667	ng/u1	99
80) Fluoranthene	19.557	202	6351509	73.962	ng/u1	98
82) Pyrene	19.910	202	5059952	55.615	ng/u1	98
83) Butylbenzylphthalate	20.763	149	884606	32.384	ng/u1	96
85) Benzo(a)anthracene	21.628	228	3186757	46.012	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.528	149	7215093	209.922	ng/u1#	98
87) Chrysene	21.686	228	3197748	45.855	ng/u1	97
89) Di-n-octyl phthalate	22.522	149	3325514m	44.079	ng/u1	
90) Benzo(b)fluoranthene	23.451	252	3923231	46.981	ng/u1	97
91) Benzo(k)fluoranthene	23.498	252	1257061m	14.791	ng/u1	
93) Benzo(a)pyrene	24.139	252	2478282	33.840	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	27.015	276	1698652	19.015	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	27.021	278	548417	7.490	ng/ul#	92
96) Benzo(g,h,i)perylene	27.868	276	1419982	18.676	ng/ul	99

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

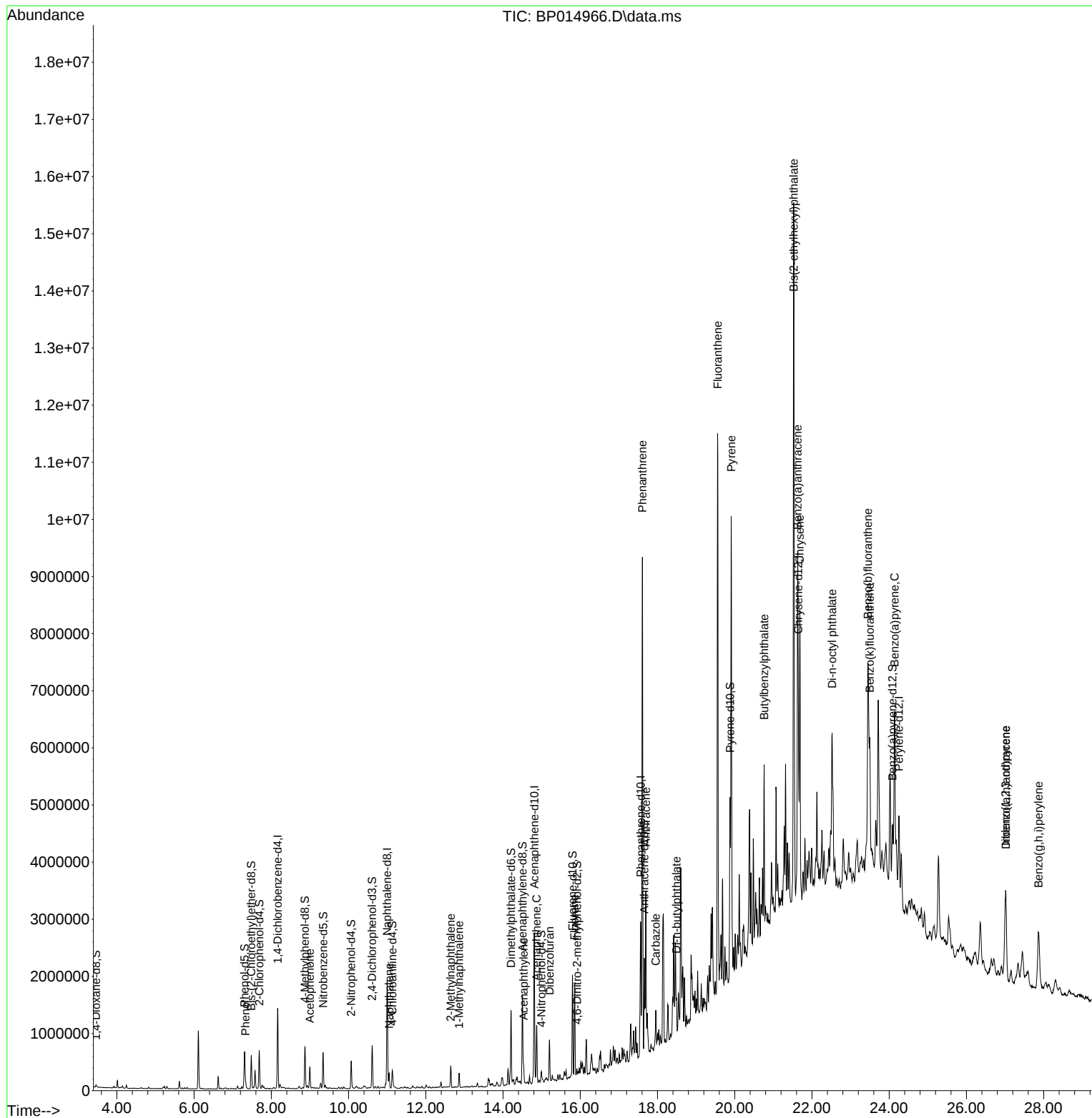
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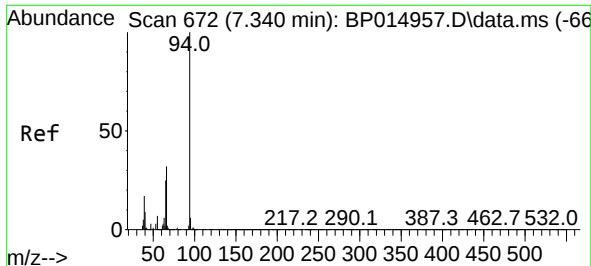
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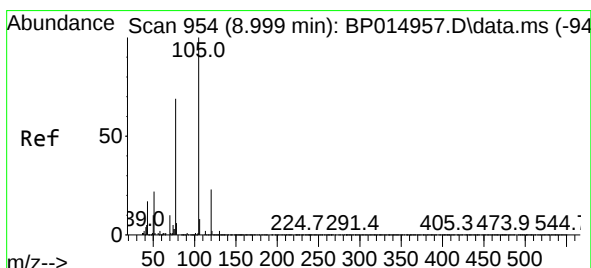
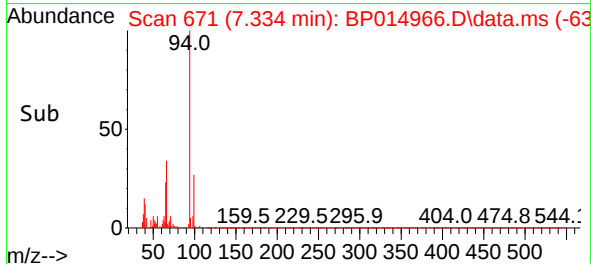
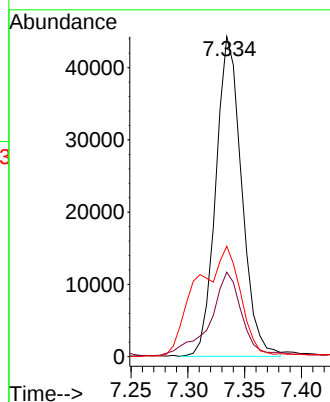
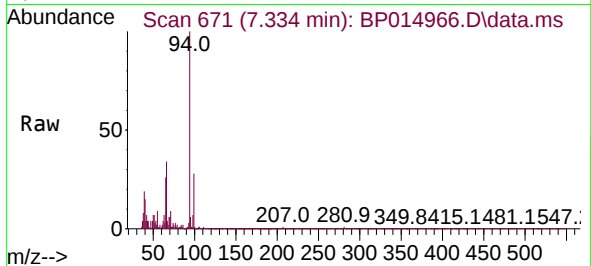
#8
Phenol
Concen: 2.009 ng/ul
RT: 7.334 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 94 Resp: 70110
Ion Ratio Lower Upper
94 100
65 26.4 21.4 32.0
66 34.5 25.8 38.8

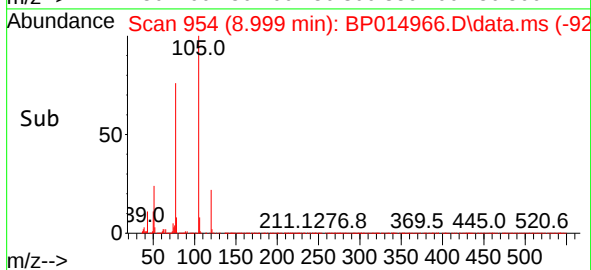
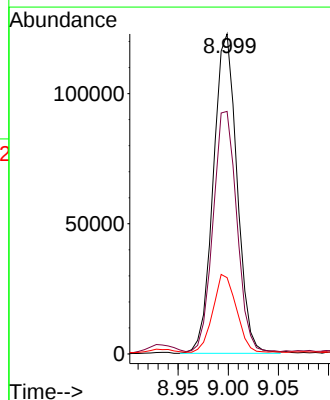
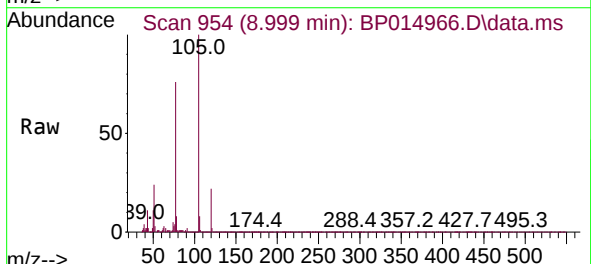
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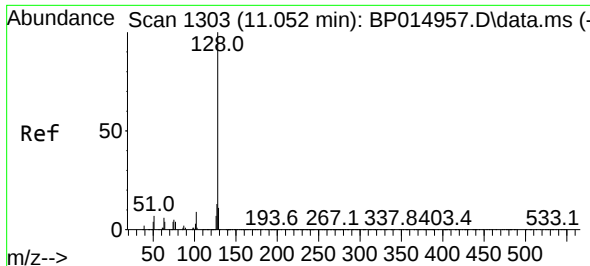
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#16
Acetophenone
Concen: 4.820 ng/ul
RT: 8.999 min Scan# 954
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

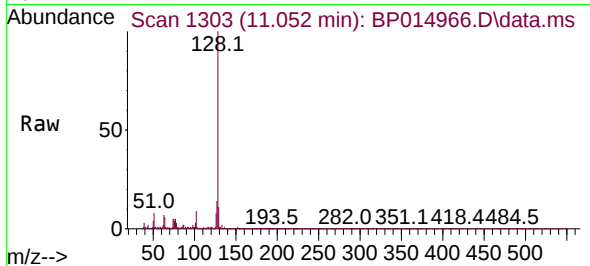
Tgt Ion:105 Resp: 201847
Ion Ratio Lower Upper
105 100
77 75.8 61.2 91.8
51 23.8 19.4 29.2





#30
Naphthalene
Concen: 2.322 ng/ul
RT: 11.052 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

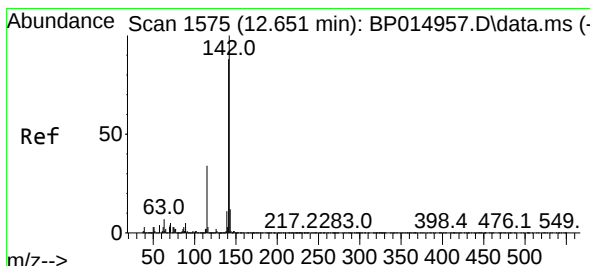
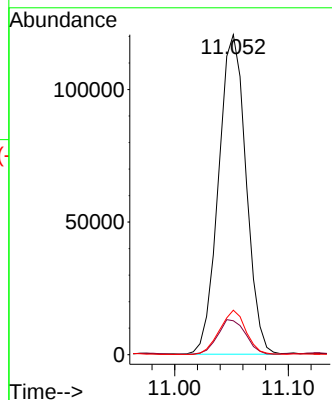
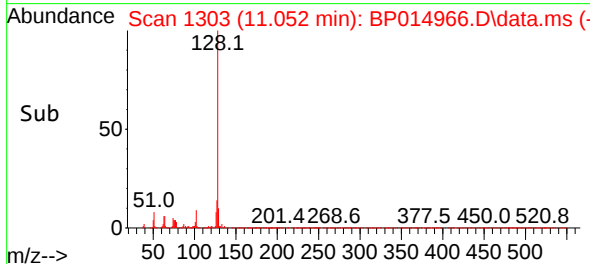
Instrument :
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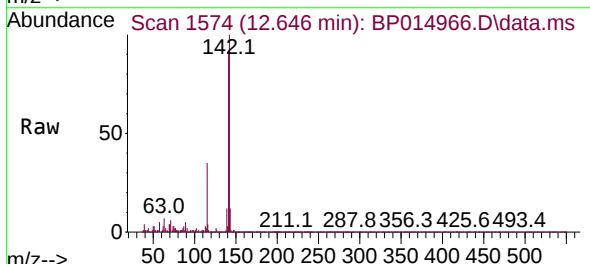
Tgt Ion:128 Resp: 202844
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.9 10.4 15.6

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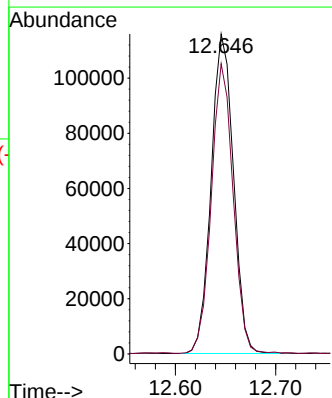
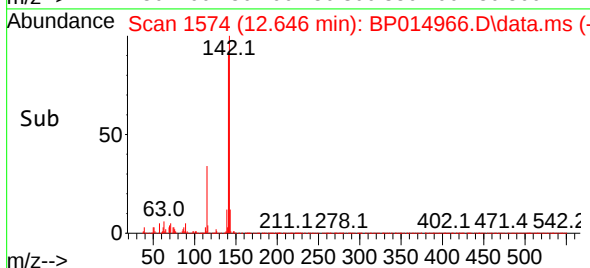
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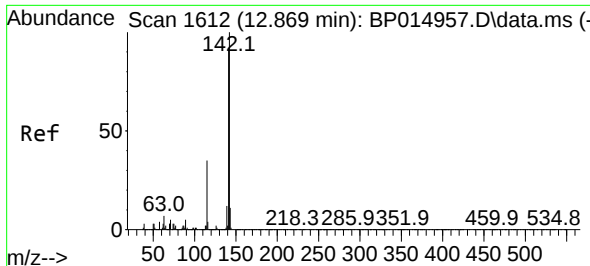


#36
2-Methylnaphthalene
Concen: 3.309 ng/ul
RT: 12.646 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48



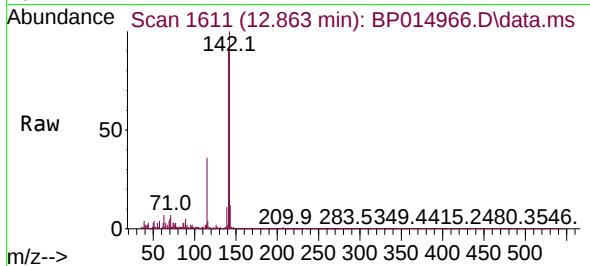
Tgt Ion:142 Resp: 178802
Ion Ratio Lower Upper
142 100
141 90.7 70.5 105.7





#37
1-Methylnaphthalene
Concen: 1.996 ng/ul
RT: 12.863 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

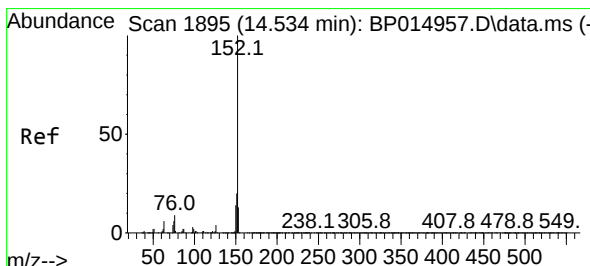
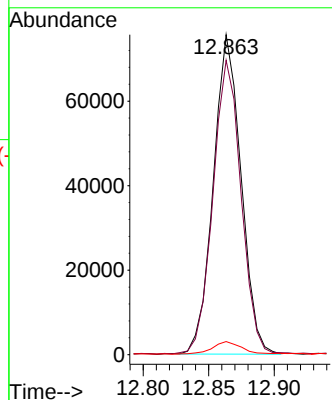
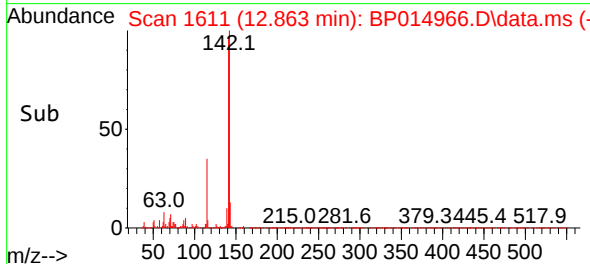
Instrument :
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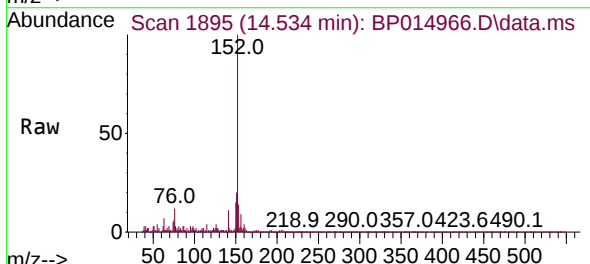
Tgt Ion:142 Resp: 111194
Ion Ratio Lower Upper
142 100
141 92.0 74.4 111.6
116 4.1 2.9 4.3

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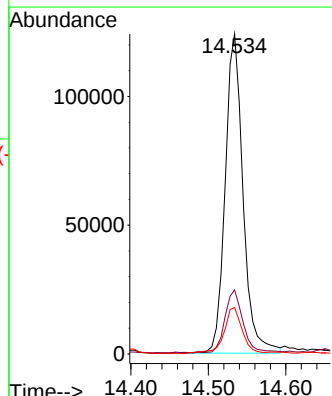
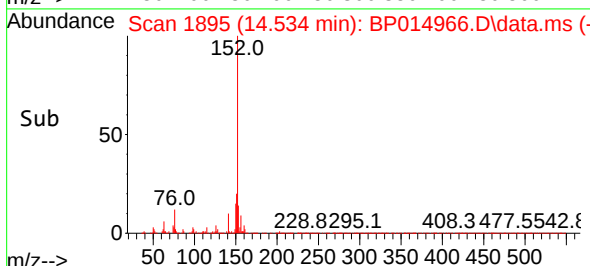
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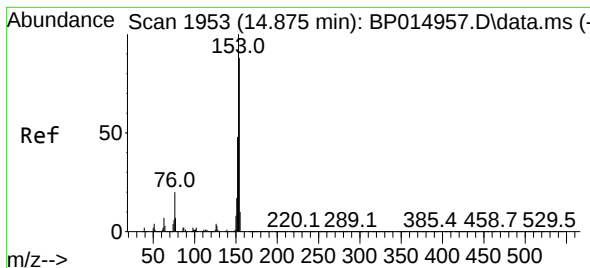


#50
Acenaphthylene
Concen: 2.375 ng/ul
RT: 14.534 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48



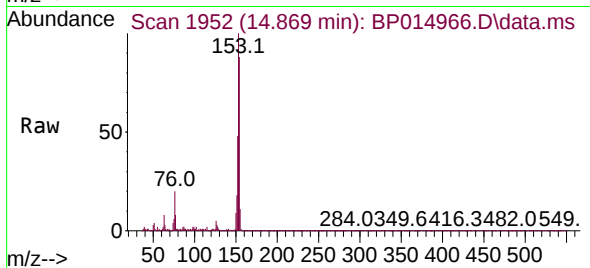
Tgt Ion:152 Resp: 198807
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 14.5 10.4 15.6





#52
Acenaphthene
Concen: 6.890 ng/u1
RT: 14.869 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

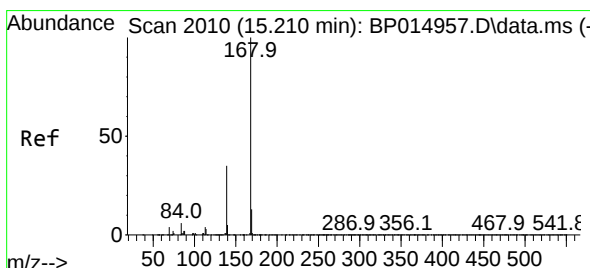
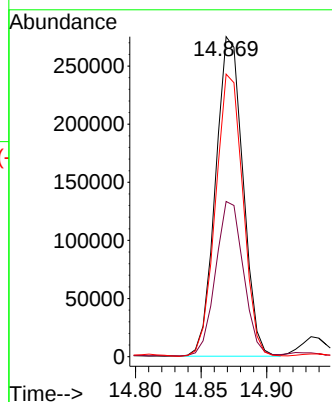
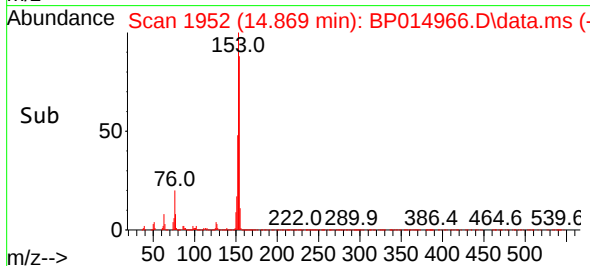
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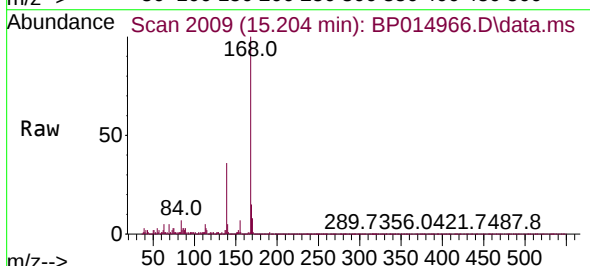
Tgt Ion:153 Resp: 399179
Ion Ratio Lower Upper
153 100
152 48.5 38.8 58.2
154 88.3 69.6 104.4

Manual Integrations
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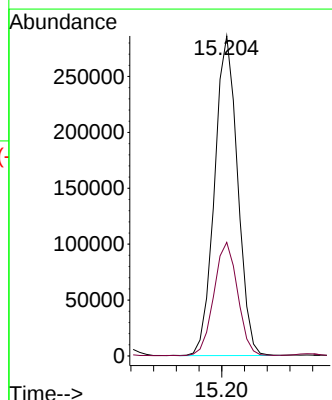
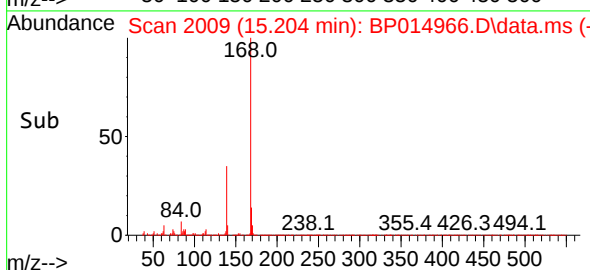
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Supervised By :Jagrut Upadhyay 05/05/2023

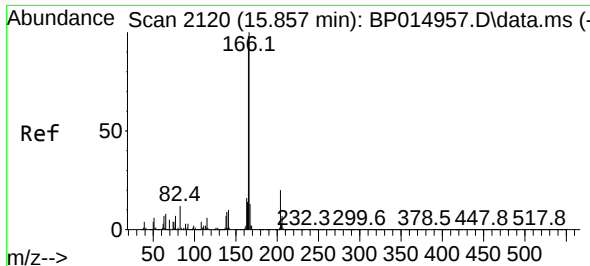


#56
Dibenzofuran
Concen: 5.152 ng/u1
RT: 15.204 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48



Tgt Ion:168 Resp: 402733
Ion Ratio Lower Upper
168 100
139 35.5 28.6 42.8





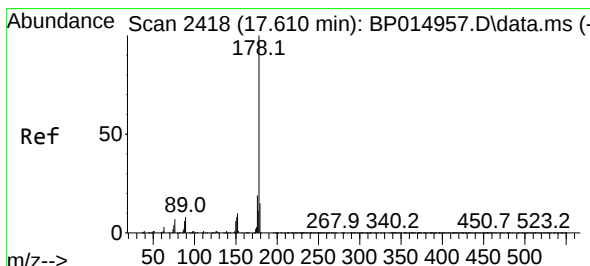
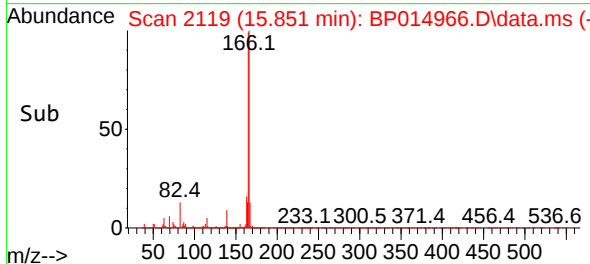
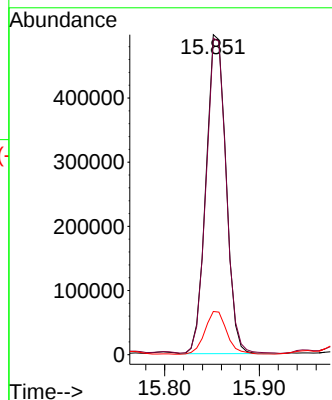
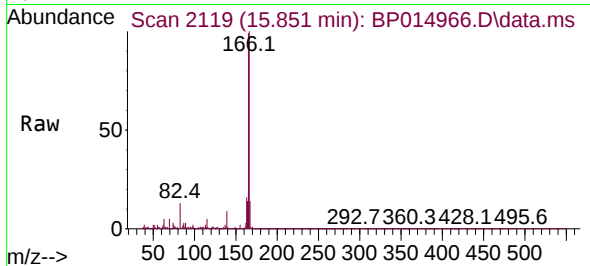
#61
Fluorene
Concen: 11.823 ng/ul
RT: 15.851 min Scan# 2120
Delta R.T. -0.006 min
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Tgt Ion:166 Resp: 729089
Ion Ratio Lower Upper
166 100
165 98.9 79.3 118.9
167 13.5 10.7 16.1

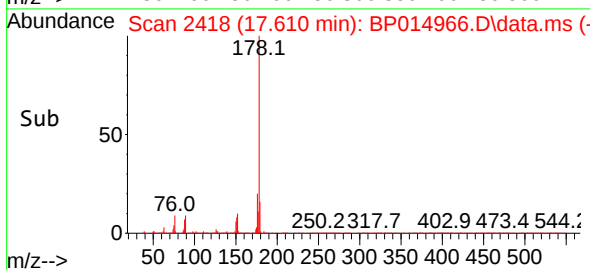
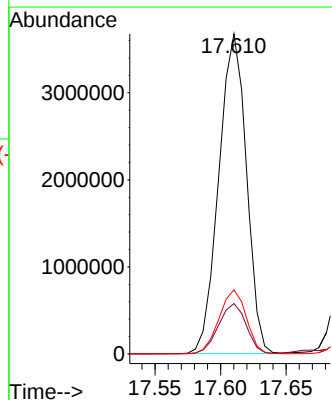
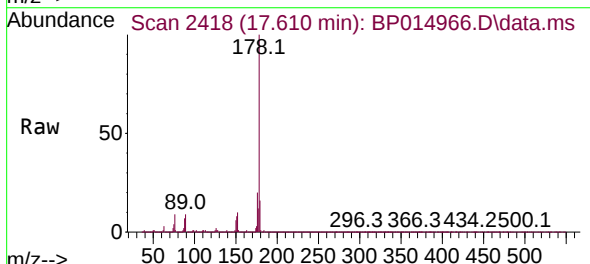
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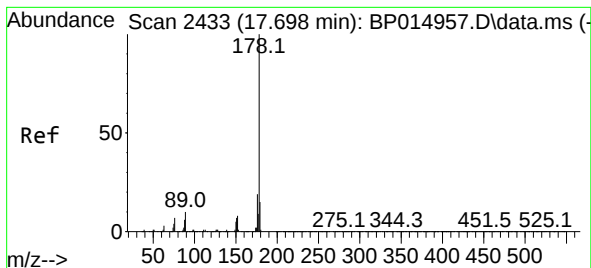
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#72
Phenanthrene
Concen: 68.136 ng/ul
RT: 17.610 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion:178 Resp: 5378355
Ion Ratio Lower Upper
178 100
179 15.8 12.2 18.4
176 20.0 15.4 23.0





#74

Anthracene

Concen: 22.338 ng/u1

RT: 17.698 min Scan# 2433

Delta R.T. 0.000 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Instrument :

BNA_P

ClientSampleId :

EW943

Tgt Ion:178 Resp: 1755490

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

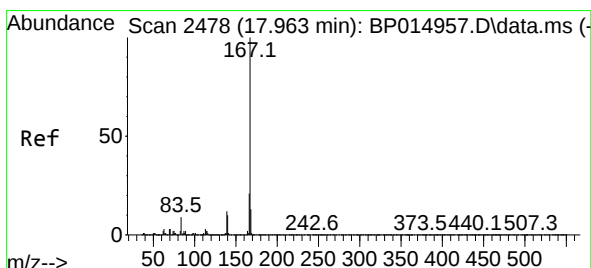
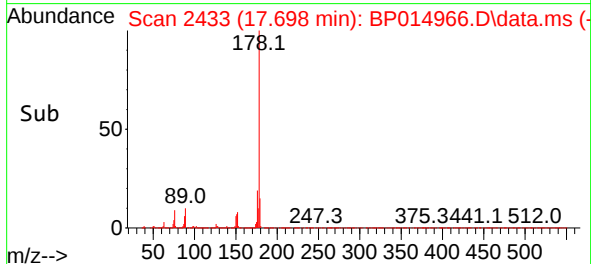
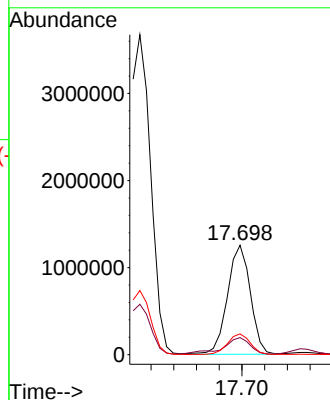
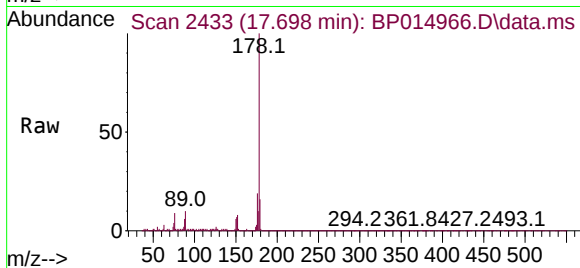
176 19.1 15.0 22.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/05/2023



#77

Carbazole

Concen: 5.098 ng/u1

RT: 17.957 min Scan# 2477

Delta R.T. -0.006 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

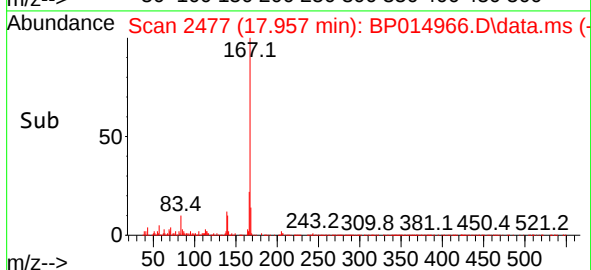
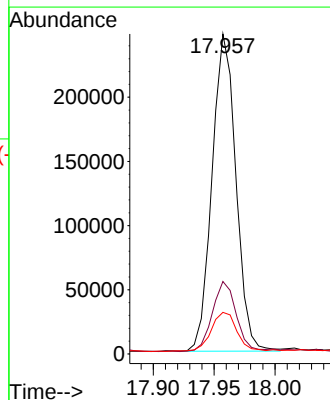
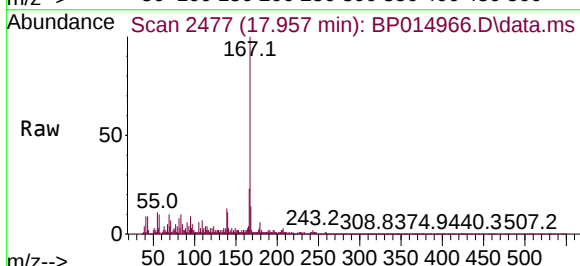
Tgt Ion:167 Resp: 336941

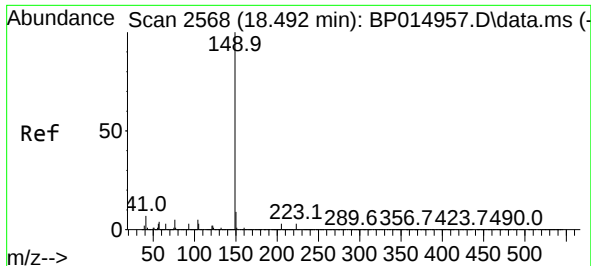
Ion Ratio Lower Upper

167 100

166 22.6 17.1 25.7

139 13.0 10.1 15.1





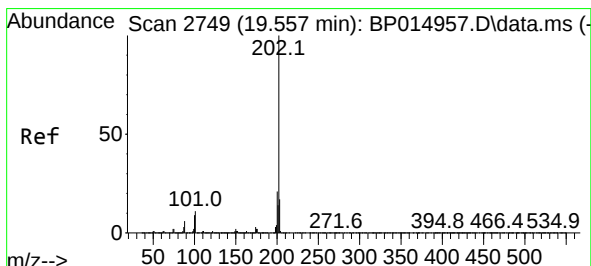
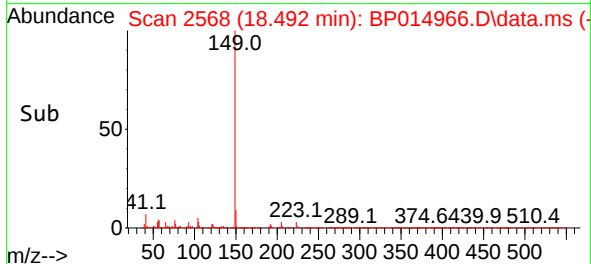
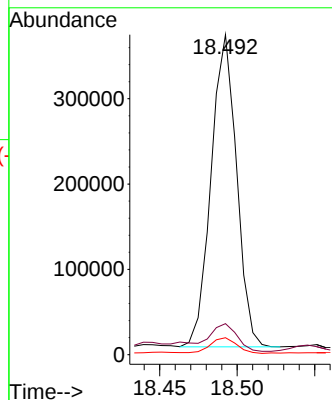
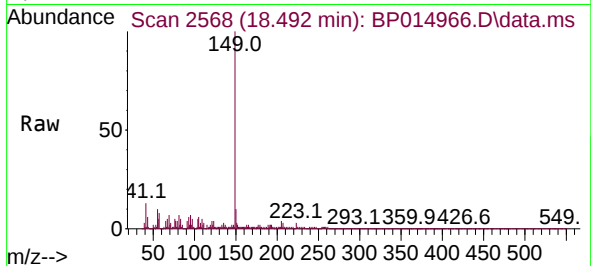
#78
Di-n-butylphthalate
Concen: 5.667 ng/ul
RT: 18.492 min Scan# 2568
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Instrument :
BNA_P
ClientSampleId :
EW943

Tgt Ion:149 Resp: 41888
Ion Ratio Lower Upper
149 100
150 9.7 7.4 11.2
104 5.3 4.1 6.1

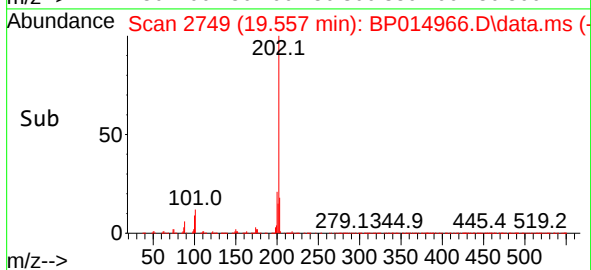
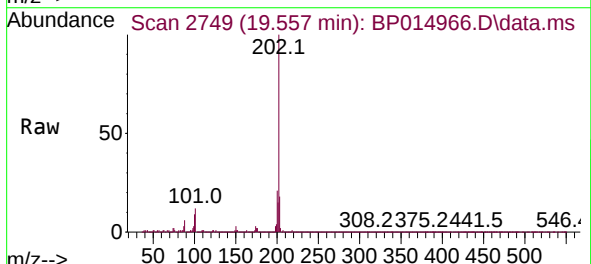
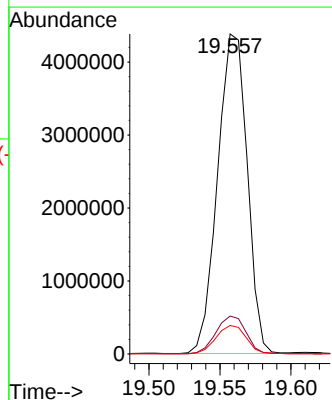
Manual Integrations
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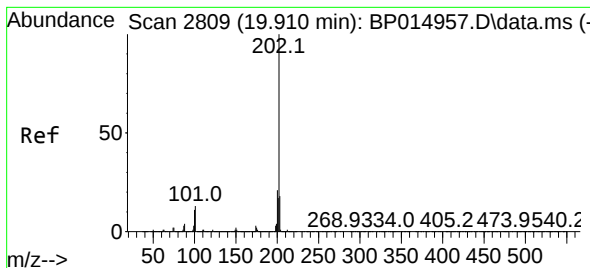
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#80
Fluoranthene
Concen: 73.962 ng/ul
RT: 19.557 min Scan# 2749
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion:202 Resp: 6351509
Ion Ratio Lower Upper
202 100
101 11.8 10.1 15.1
100 8.9 7.7 11.5





#82

Pyrene

Concen: 55.615 ng/ul

RT: 19.910 min Scan# 2809

Delta R.T. 0.000 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Instrument :

BNA_P

ClientSampleId :

EW943

Tgt Ion:202 Resp: 505995

Ion Ratio Lower Upper

202 100

101 14.1 11.9 17.9

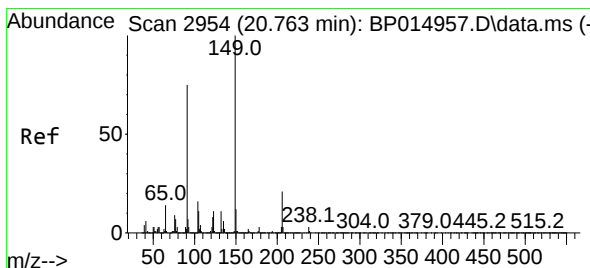
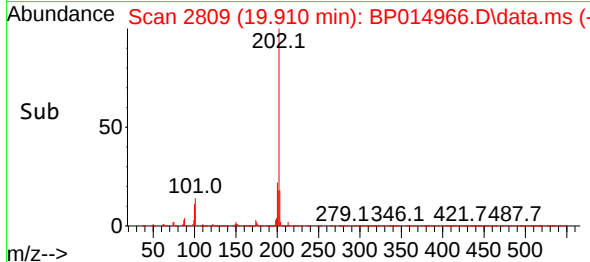
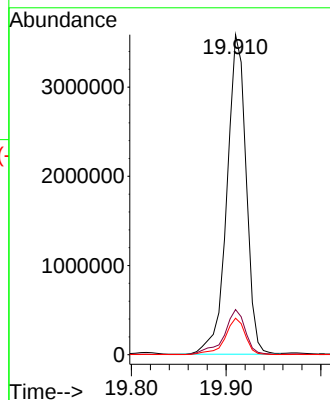
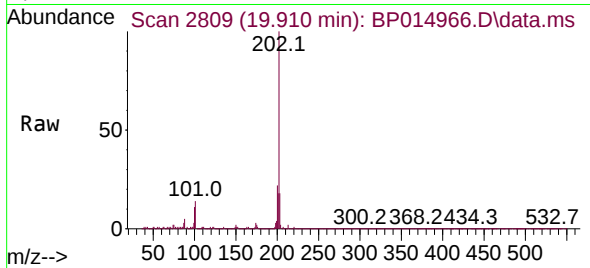
100 11.4 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#83

Butylbenzylphthalate

Concen: 32.384 ng/ul

RT: 20.763 min Scan# 2954

Delta R.T. 0.000 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

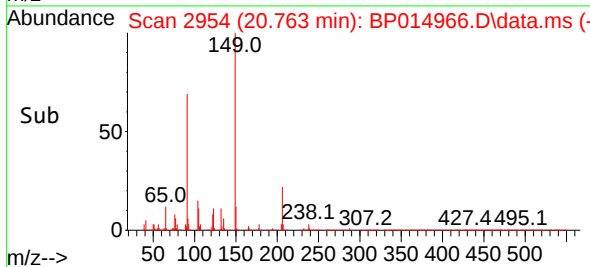
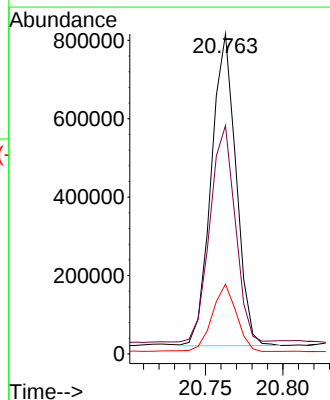
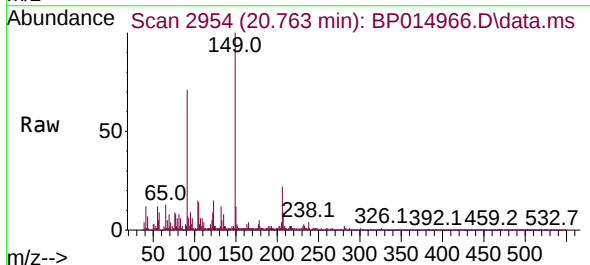
Tgt Ion:149 Resp: 884606

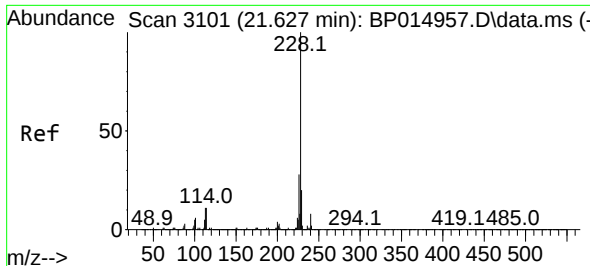
Ion Ratio Lower Upper

149 100

91 71.4 60.1 90.1

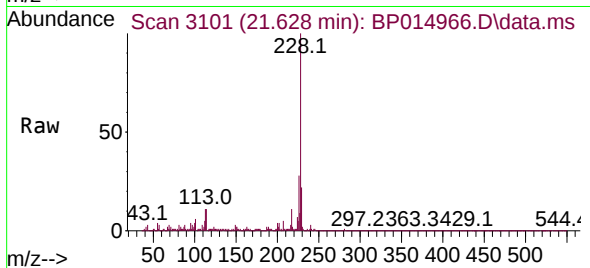
206 21.8 16.0 24.0





#85
Benzo(a)anthracene
Concen: 46.012 ng/ul
RT: 21.628 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

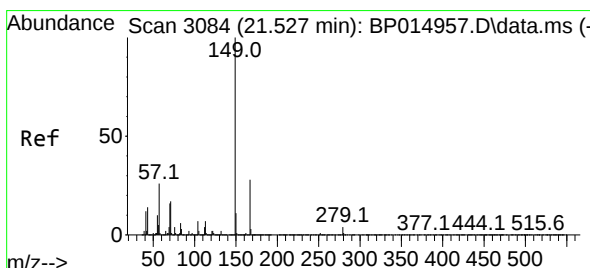
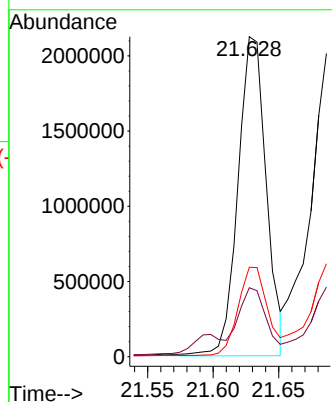
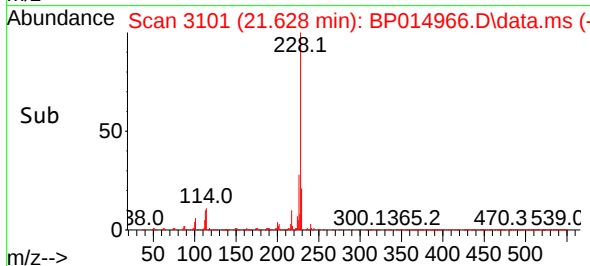
Instrument :
BNA_P
ClientSampleId :
EW943



Tgt Ion:228 Resp: 318675
Ion Ratio Lower Upper
228 100
229 21.6 15.9 23.9
226 27.9 22.1 33.1

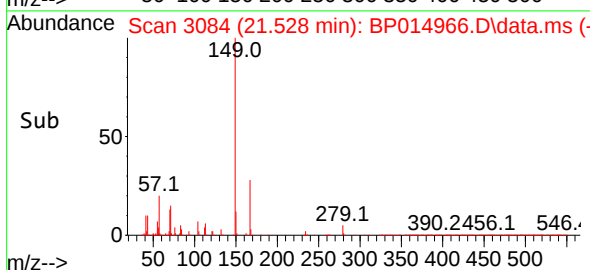
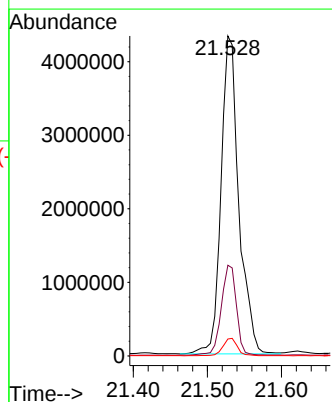
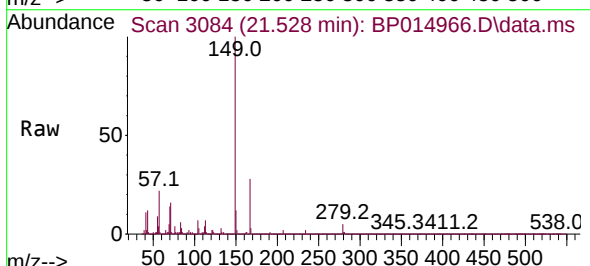
Manual Integrations
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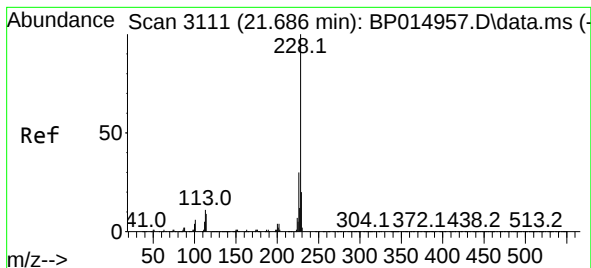
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 209.922 ng/ul
RT: 21.528 min Scan# 3084
Delta R.T. 0.000 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion:149 Resp: 7215093
Ion Ratio Lower Upper
149 100
167 28.4 22.0 33.0
279 5.3 2.9 4.3#





#87

Chrysene

Concen: 45.855 ng/ul

RT: 21.686 min Scan# 3111

Delta R.T. 0.000 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Instrument :

BNA_P

ClientSampleId :

EW943

Tgt Ion:228 Resp: 319774

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

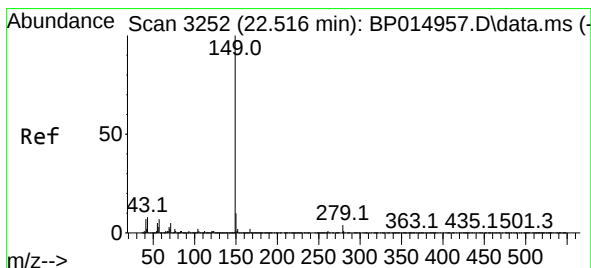
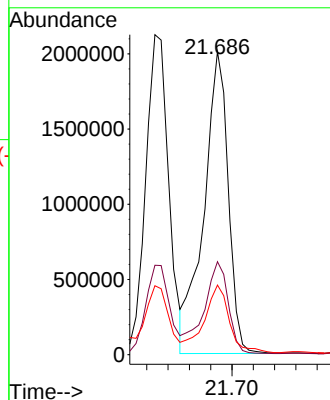
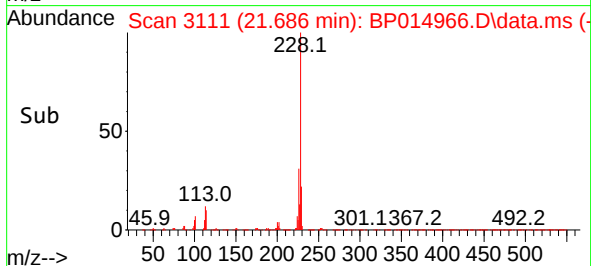
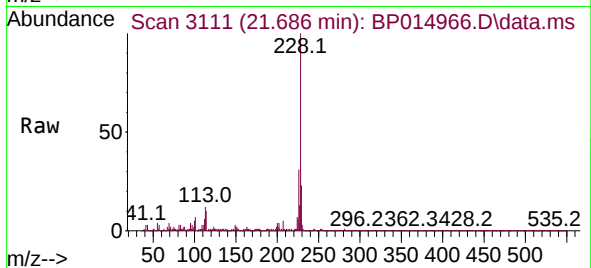
229 22.9 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#89

Di-n-octyl phthalate

Concen: 44.079 ng/ul m

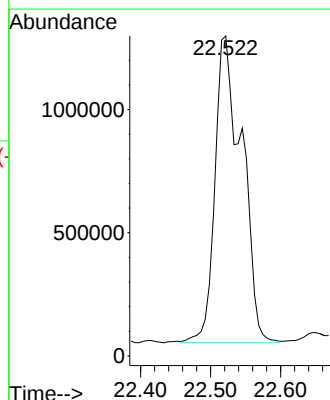
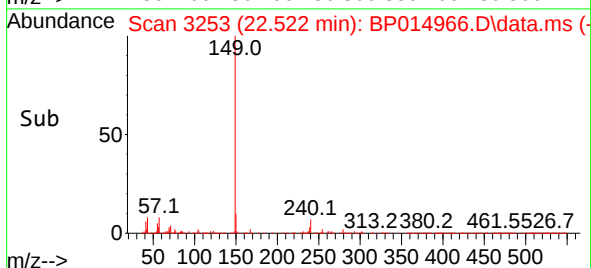
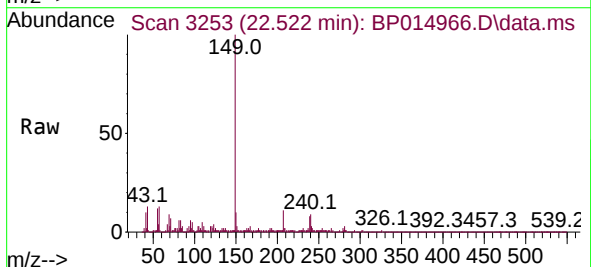
RT: 22.522 min Scan# 3253

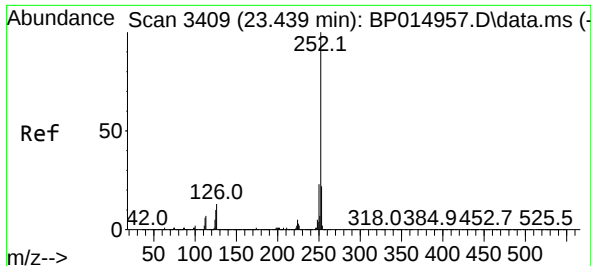
Delta R.T. 0.006 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Tgt Ion:149 Resp: 3325514





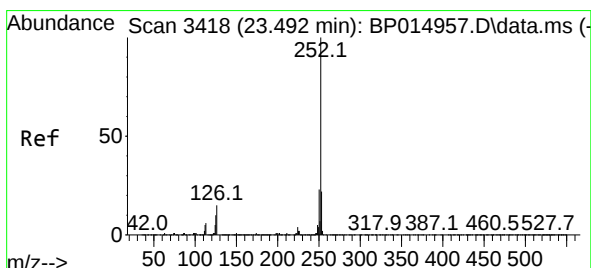
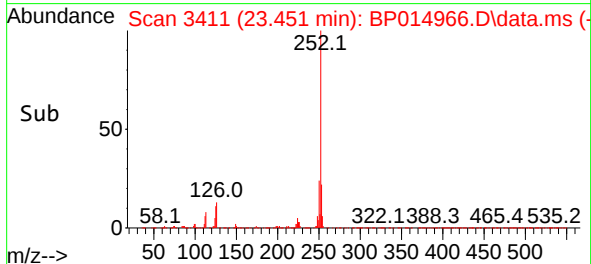
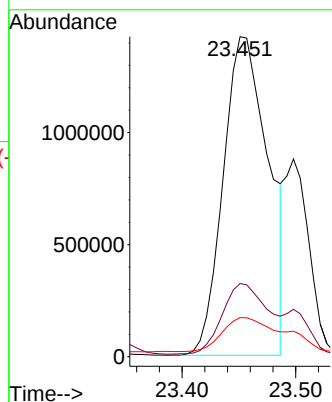
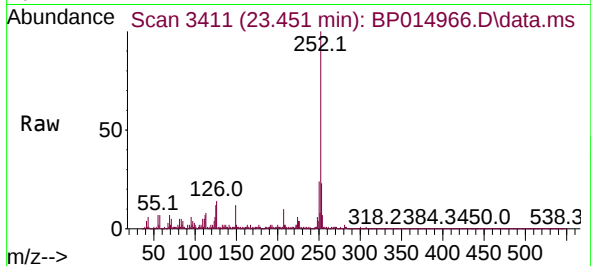
#90
Benzo(b)fluoranthene
Concen: 46.981 ng/ul
RT: 23.451 min Scan# 3411
Delta R.T. 0.012 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Instrument :
BNA_P
ClientSampleId :
EW943

Tgt Ion:252 Resp: 392323
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 12.2 8.4 12.6

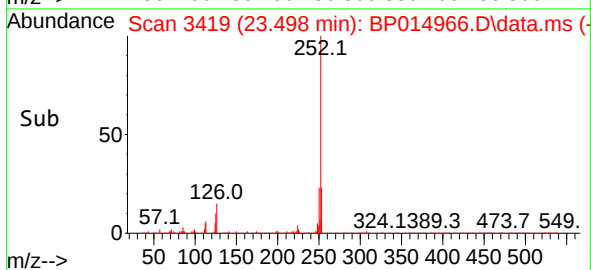
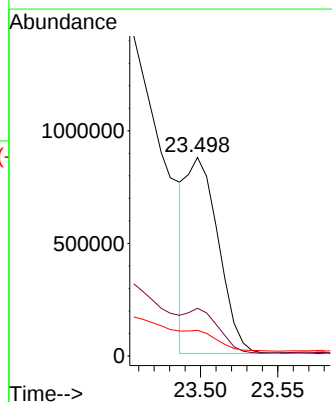
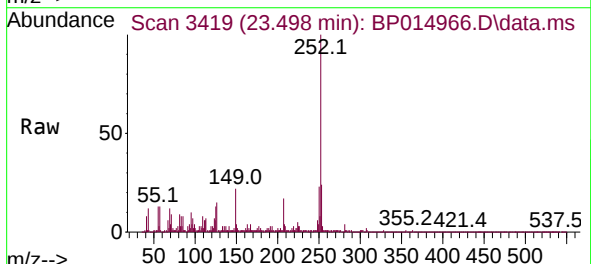
Manual Integrations
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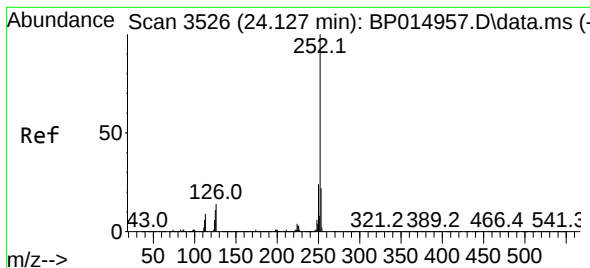
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#91
Benzo(k)fluoranthene
Concen: 14.791 ng/ul m
RT: 23.498 min Scan# 3419
Delta R.T. 0.006 min
Lab File: BP014966.D
Acq: 04 May 2023 22:48

Tgt Ion:252 Resp: 1257061
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 12.9 8.9 13.3





#93

Benzo(a)pyrene

Concen: 33.840 ng/ul

RT: 24.139 min Scan# 3526

Delta R.T. 0.012 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Instrument :

BNA_P

ClientSampleId :

EW943

Tgt Ion:252 Resp: 247828

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

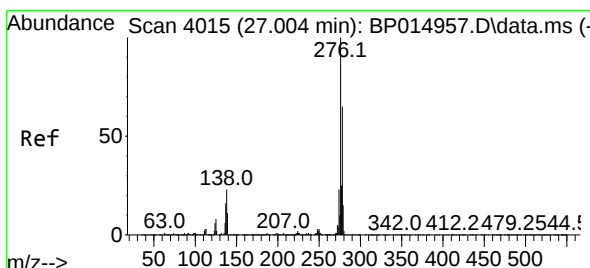
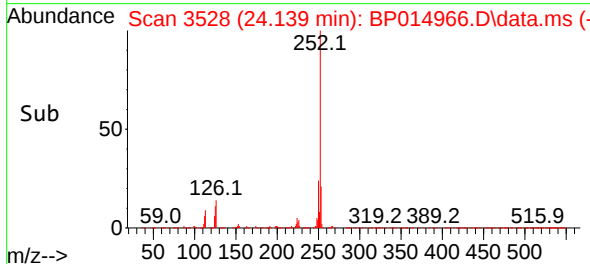
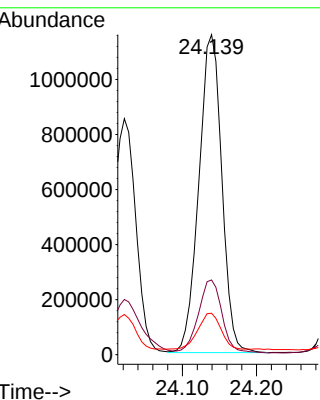
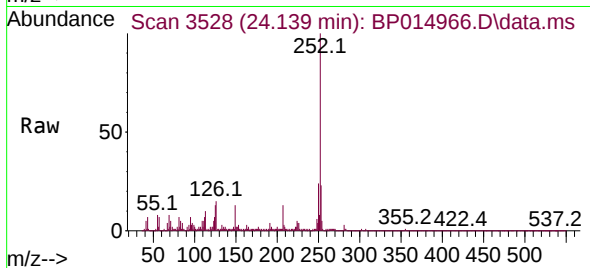
125 12.9 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 19.015 ng/ul

RT: 27.015 min Scan# 4017

Delta R.T. 0.018 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

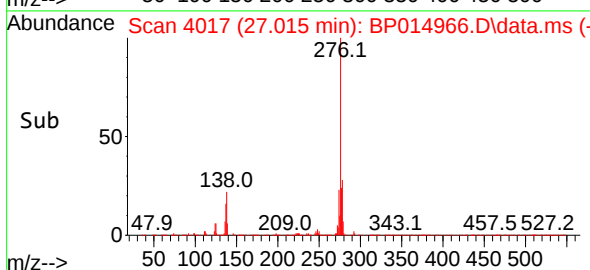
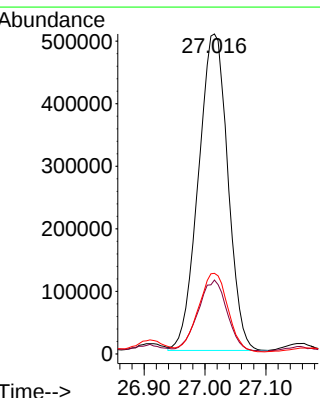
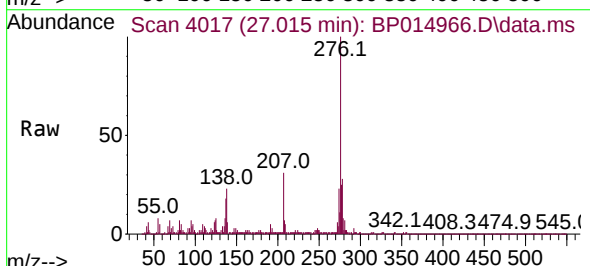
Tgt Ion:276 Resp: 1698652

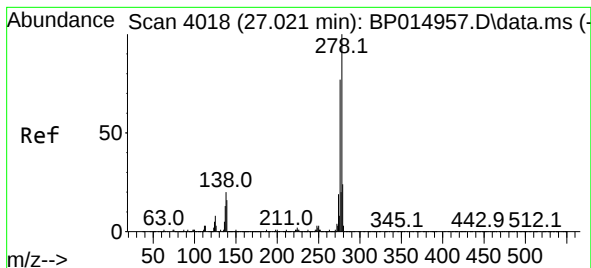
Ion Ratio Lower Upper

276 100

138 23.1 19.4 29.0

277 25.2 19.4 29.2





#95

Dibenzo(a,h)anthracene

Concen: 7.490 ng/ul

RT: 27.021 min Scan# 4018

Delta R.T. 0.006 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Instrument :

BNA_P

ClientSampleId :

EW943

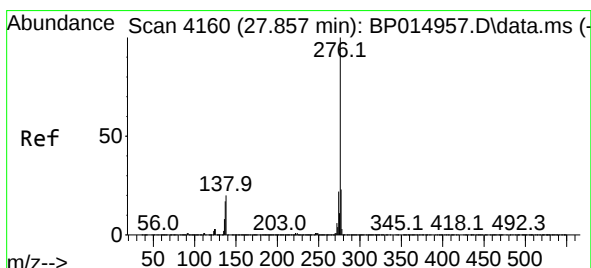
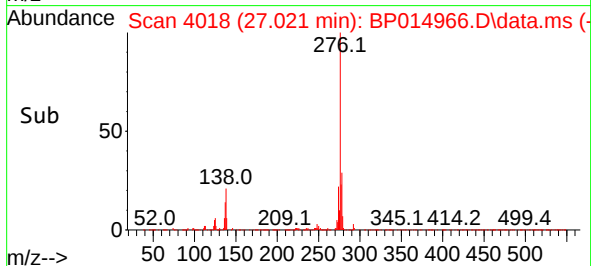
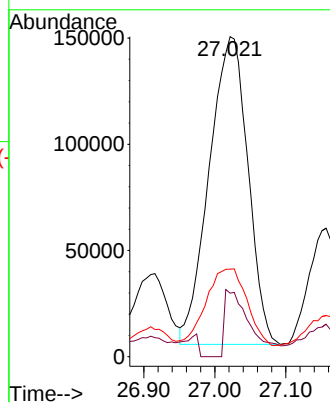
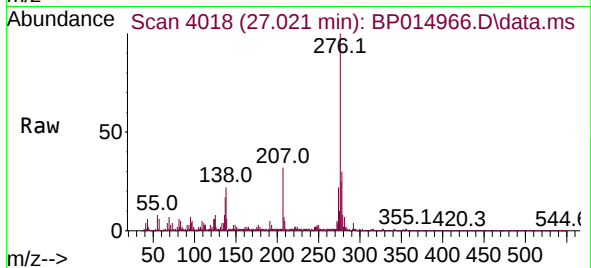
Tgt Ion:	278	Resp:	54841
Ion Ratio	Lower	Upper	
278	100		
139	19.8	12.9	19.3
279	27.3	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#96

Benzo(g,h,i)perylene

Concen: 18.676 ng/ul

RT: 27.868 min Scan# 4162

Delta R.T. 0.024 min

Lab File: BP014966.D

Acq: 04 May 2023 22:48

Tgt Ion:	276	Resp:	1419982
Ion Ratio	Lower	Upper	
276	100		
138	21.9	18.0	27.0
277	24.1	19.8	29.8

