

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071823\
 Data File : BP016313.D
 Acq On : 19 Jul 2023 02:35
 Operator : MA/JU
 Sample : 03501-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A46W5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 19 03:57:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 19 01:28:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	244421	20.000	ng/u1	0.00
20) Naphthalene-d8	10.763	136	1122603	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.598	164	708011	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.369	188	1290734	20.000	ng/u1	0.00
79) Chrysene-d12	21.468	240	739120	20.000	ng/u1	0.00
88) Perylene-d12	23.945	264	991177	20.000	ng/u1	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.281	96	14343	2.077	ng/uL	0.00
4) Pyridine-d5	3.711	84	52356m	3.039	ng/u1	-0.02
7) Phenol-d5	7.157	99	182838	8.282	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.281	67	205757	13.783	ng/u1	0.00
11) 2-Chlorophenol-d4	7.493	132	223101	13.999	ng/u1	0.02
15) 4-Methylphenol-d8	8.722	113	258914	14.558	ng/u1	0.03
21) Nitrobenzene-d5	9.151	128	117794	15.209	ng/u1	0.01
24) 2-Nitrophenol-d4	9.875	143	124431	14.097	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.469	165	187135	12.242	ng/u1	0.04
31) 4-Chloroaniline-d4	11.040	131	23870m	0.974	ng/u1	0.10
46) Dimethylphthalate-d6	14.010	166	841284	15.577	ng/u1	0.00
49) Acenaphthylene-d8	14.298	160	618546	10.451	ng/u1	0.00
54) 4-Nitrophenol-d4	14.951	143	77779m	7.057	ng/u1	0.02
60) Fluorene-d10	15.592	176	711800	15.748	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.810	200	26272	3.526	ng/u1	0.03
73) Anthracene-d10	17.474	188	608596	10.779	ng/u1	0.00
81) Pyrene-d10	19.698	212	133162	3.472	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.780	264	66738	1.402	ng/u1	-0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.122	77	60000	4.352	ng/u1	95
8) Phenol	7.193	94	176622	7.463	ng/u1	98
16) Acetophenone	8.798	105	640655	21.845	ng/u1	95
30) Naphthalene	10.816	128	240716	4.086	ng/u1	99
36) 2-Methylnaphthalene	12.434	142	174422	4.416	ng/u1	100
37) 1-Methylnaphthalene	12.651	142	109157	2.687	ng/u1	97
43) 1,1'-Biphenyl	13.445	154	97541	1.889	ng/u1	98
52) Acenaphthene	14.663	153	3066973	66.706	ng/u1	98
56) Dibenzofuran	15.004	168	3351872	53.522	ng/u1	99
61) Fluorene	15.657	166	6145653	117.470	ng/u1	99
72) Phenanthrene	17.422	178	25597414m	380.615	ng/u1	
74) Anthracene	17.516	178	11433006	169.182	ng/u1	97
77) Carbazole	17.780	167	1514121	24.574	ng/u1	97
80) Fluoranthene	19.386	202	21443914m	478.140	ng/u1	
82) Pyrene	19.733	202	6498941	135.725	ng/u1	95
85) Benzo(a)anthracene	21.451	228	12309570	255.753	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.321	149	269634	8.740	ng/u1	99
87) Chrysene	21.504	228	8717098m	178.783	ng/u1	
90) Benzo(b)fluoranthene	23.192	252	8953648	158.143	ng/u1	96
91) Benzo(k)fluoranthene	23.233	252	4766908	82.735	ng/u1	95
93) Benzo(a)pyrene	23.833	252	910057	16.226	ng/u1#	83
94) Indeno(1,2,3-cd)pyrene	26.568	276	1248688	17.979	ng/u1	92
95) Dibenzo(a,h)anthracene	26.562	278	1759633	31.061	ng/u1#	87

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

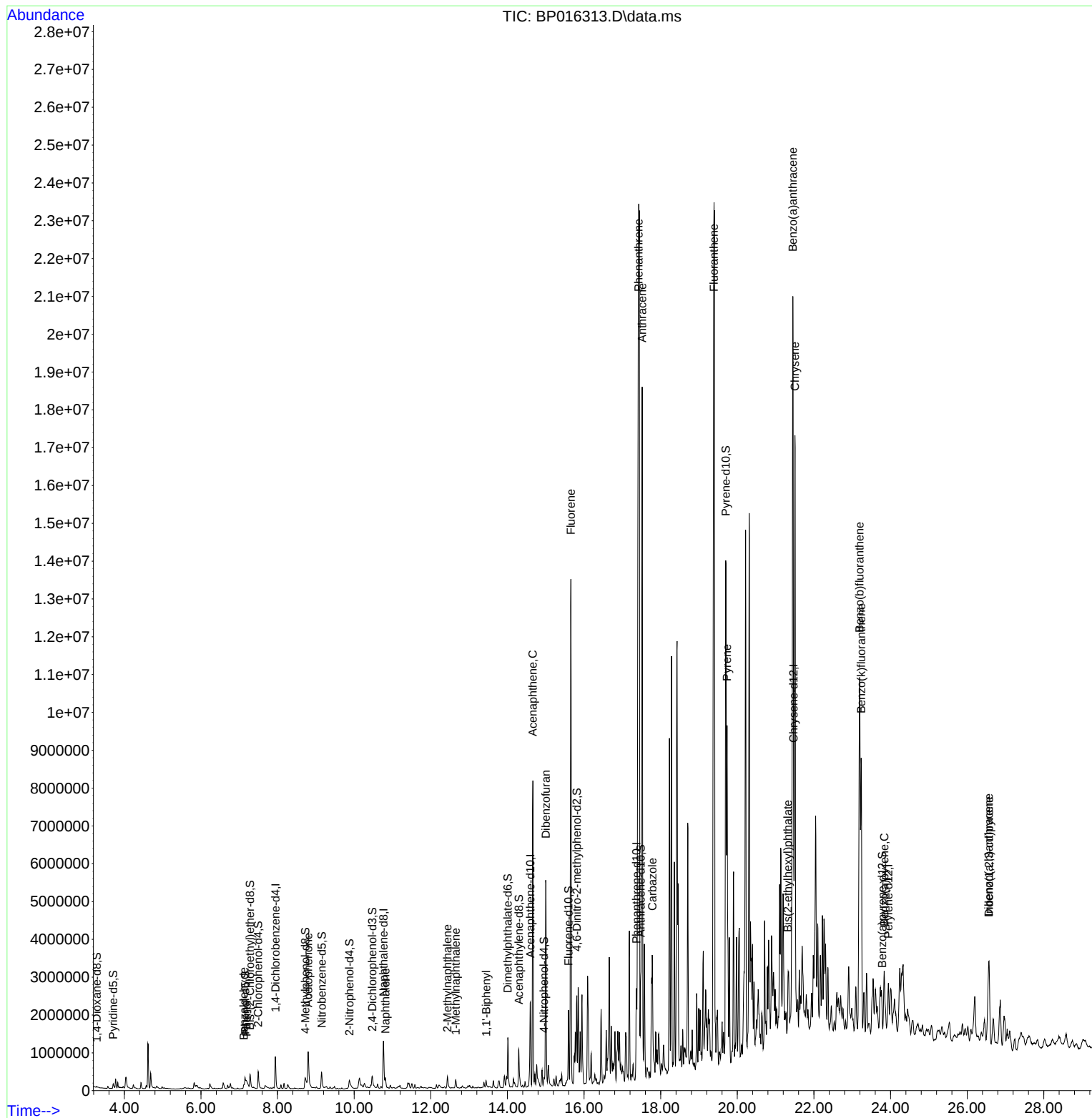
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071823\
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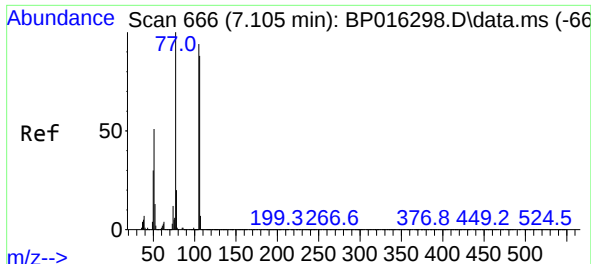
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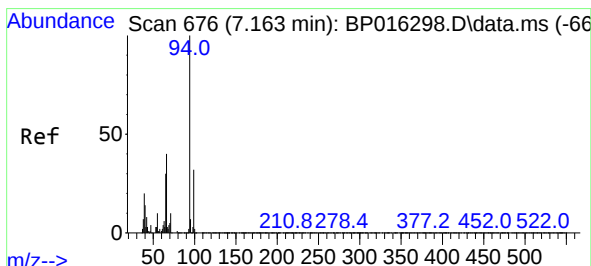
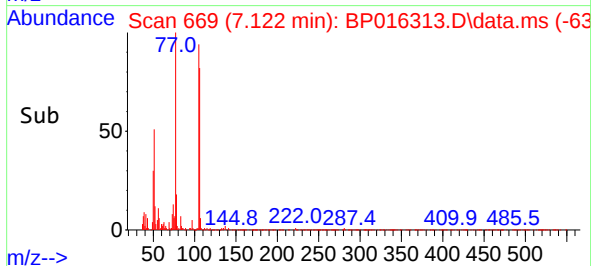
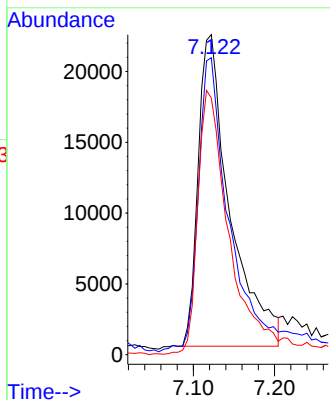
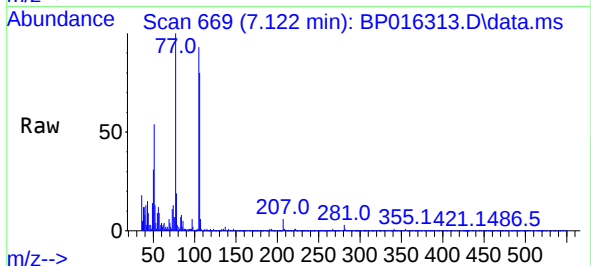
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Benzaldehyde
Concen: 4.352 ng/ul
RT: 7.122 min Scan# 60
Delta R.T. 0.018 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

Instrument :
BNA_P
ClientSampleId :
A46W5

Tgt Ion: 77 Resp: 60000
Ion Ratio Lower Upper
77 100
105 92.8 69.4 104.2
106 80.2 66.2 99.4

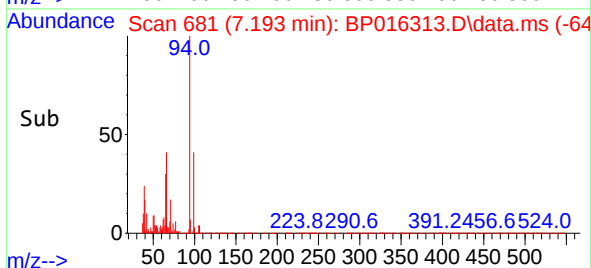
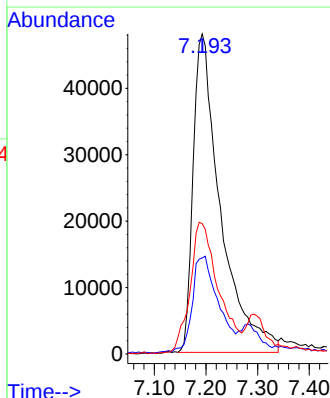
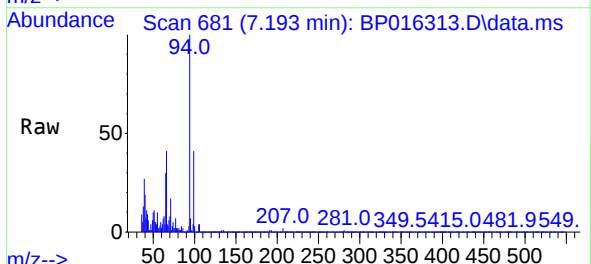
Manual Integrations
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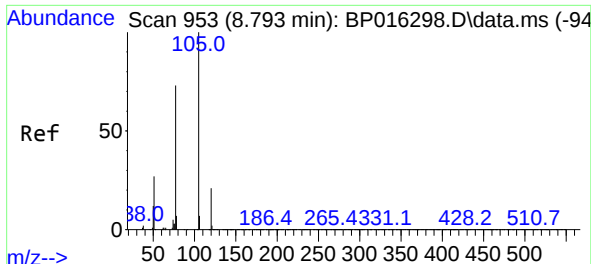
Reviewed By :Yogesh Patel 07/19/2023
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#8
Phenol
Concen: 7.463 ng/ul
RT: 7.193 min Scan# 681
Delta R.T. 0.029 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

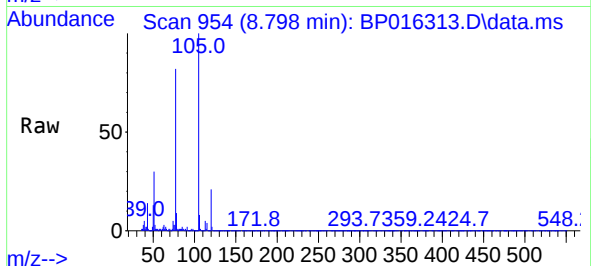
Tgt Ion: 94 Resp: 176622
Ion Ratio Lower Upper
94 100
65 30.0 25.5 38.3
66 40.8 32.7 49.1





#16
Acetophenone
Concen: 21.845 ng/ul
RT: 8.798 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

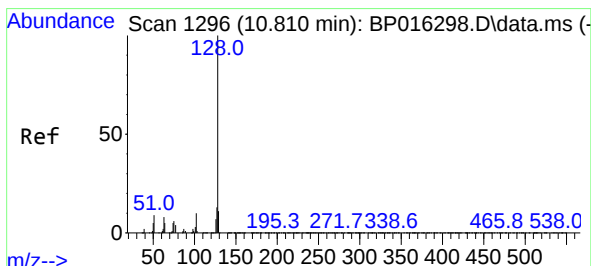
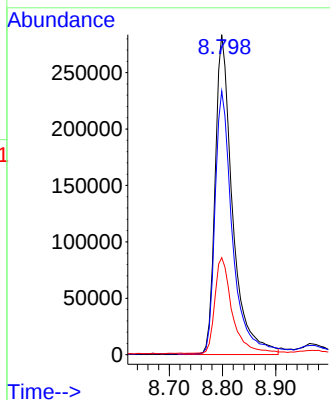
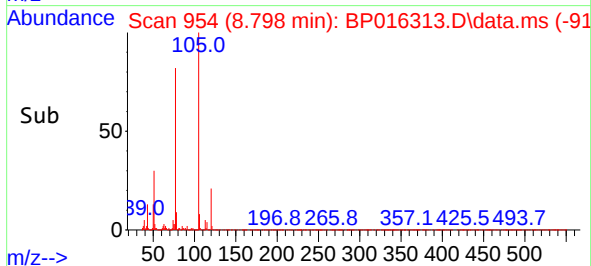
Instrument :
BNA_P
ClientSampleId :
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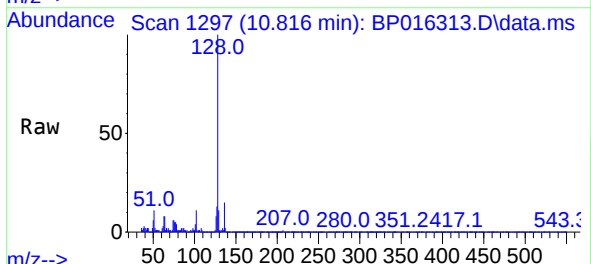
Tgt Ion:105 Resp: 64065
Ion Ratio Lower Upper
105 100
77 82.4 70.2 105.2
51 30.3 26.3 39.5

Manual Integrations
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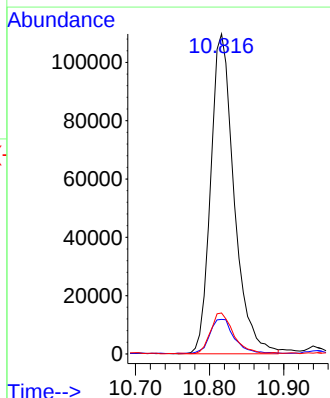
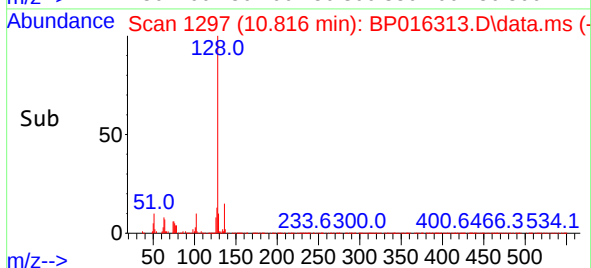
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

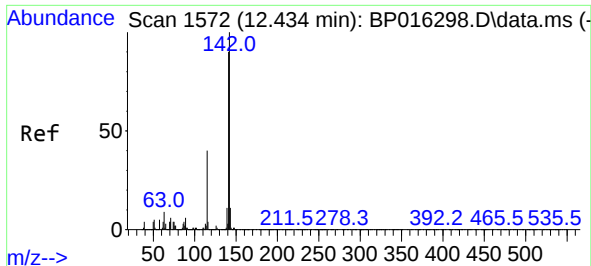


#30
Naphthalene
Concen: 4.086 ng/ul
RT: 10.816 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35



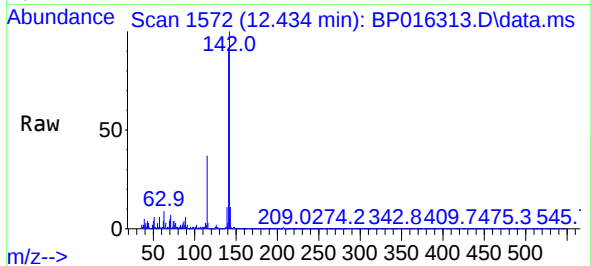
Tgt Ion:128 Resp: 240716
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.8 10.9 16.3





#36
2-Methylnaphthalene
Concen: 4.416 ng/ul
RT: 12.434 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

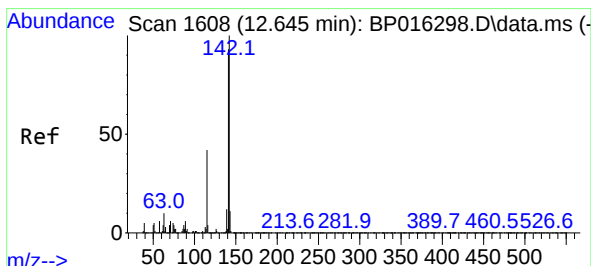
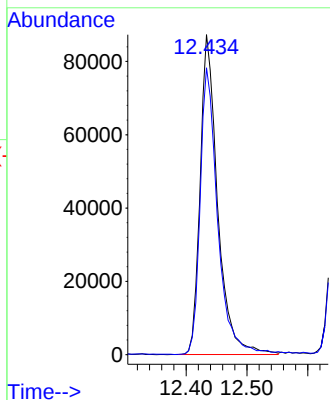
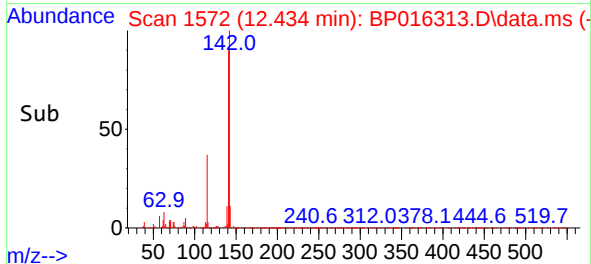
Instrument :
BNA_P
ClientSampleId :
A46W5



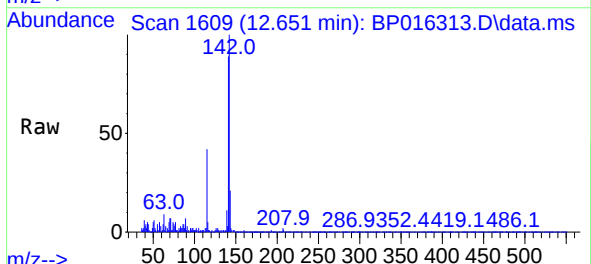
Tgt Ion:142 Resp: 17442
Ion Ratio Lower Upper
142 100
141 89.6 71.9 107.9

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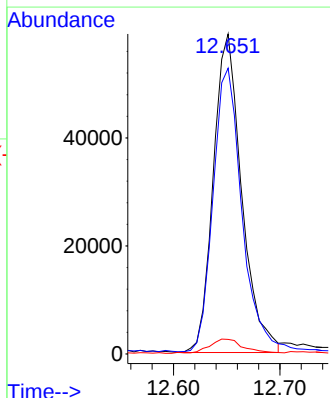
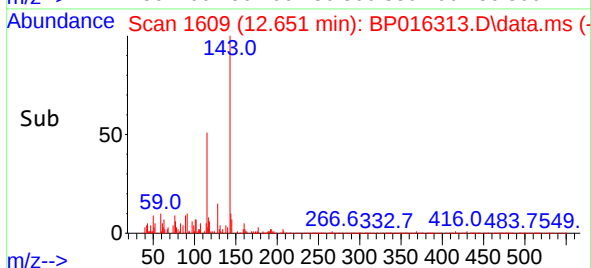
Reviewed By :Yogesh Patel 07/19/2023
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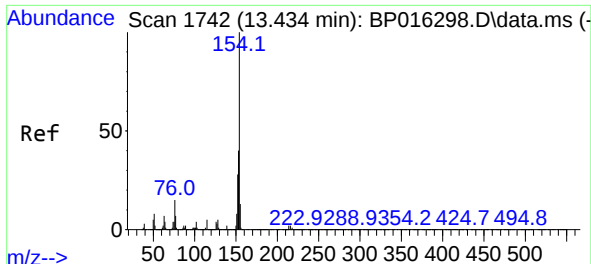


#37
1-Methylnaphthalene
Concen: 2.687 ng/ul
RT: 12.651 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35



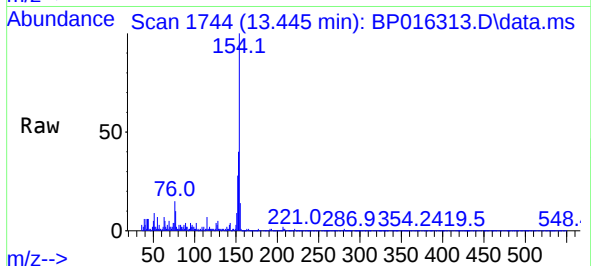
Tgt Ion:142 Resp: 109157
Ion Ratio Lower Upper
142 100
141 89.3 73.9 110.9
116 4.6 3.4 5.2





#43
1,1'-Biphenyl
Concen: 1.889 ng/ul
RT: 13.445 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

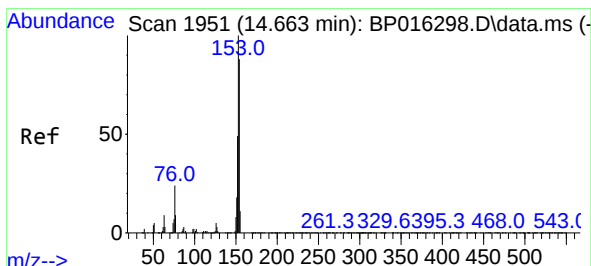
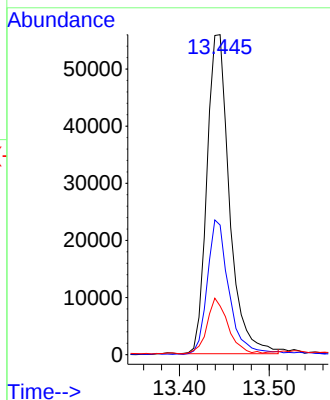
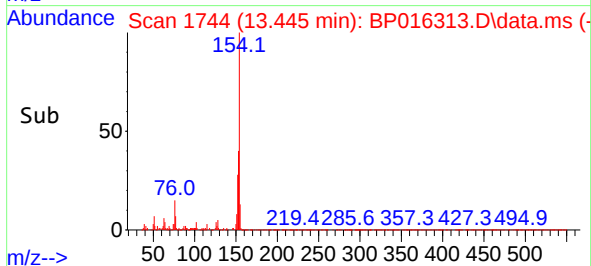
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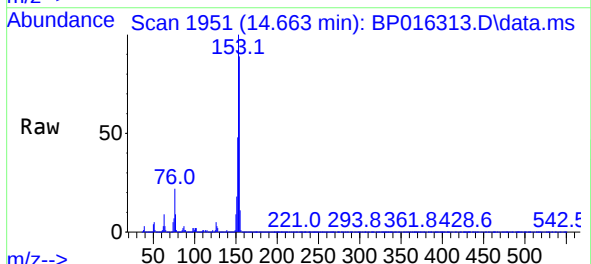
Tgt Ion:154 Resp: 9754
Ion Ratio Lower Upper
154 100
153 40.5 31.1 46.7
76 15.2 12.9 19.3

Manual Integrations
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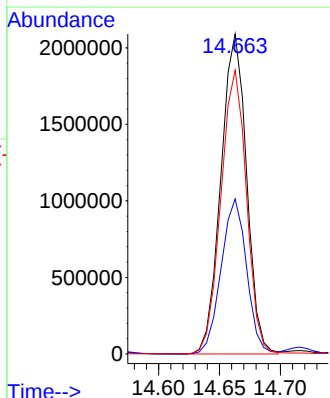
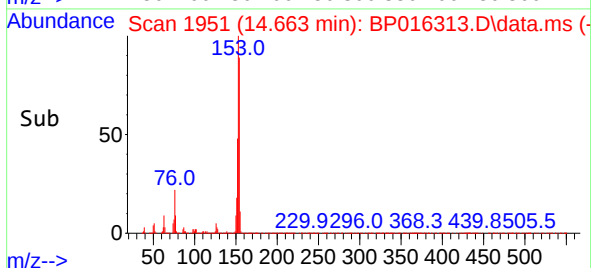
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

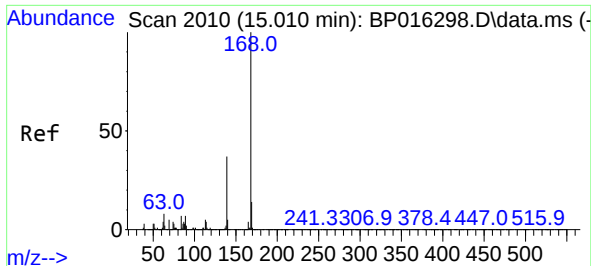


#52
Acenaphthene
Concen: 66.706 ng/ul
RT: 14.663 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35



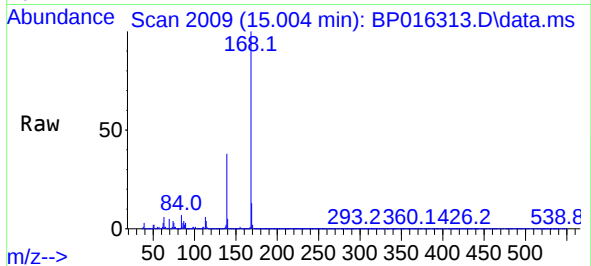
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Ion Ratio Lower Upper
153 100
152 48.5 37.9 56.9
154 88.6 69.3 103.9





#56
Dibenzofuran
Concen: 53.522 ng/ul
RT: 15.004 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

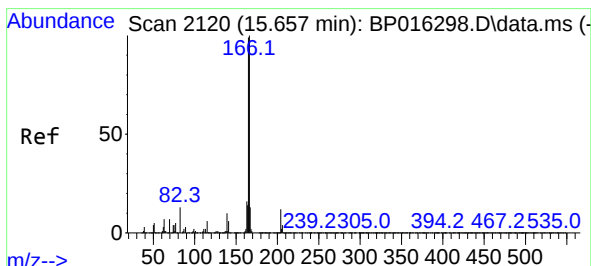
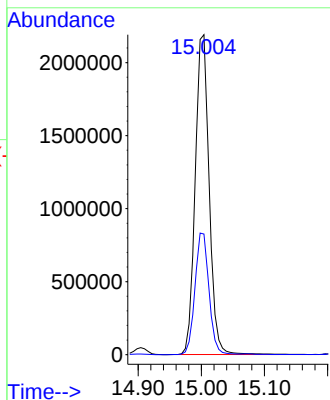
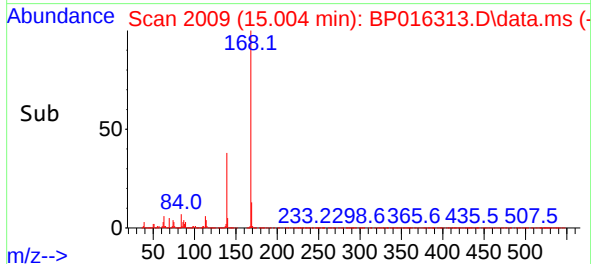
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Tgt Ion:168 Resp: 3351872
Ion Ratio Lower Upper
168 100
139 37.7 30.6 45.8

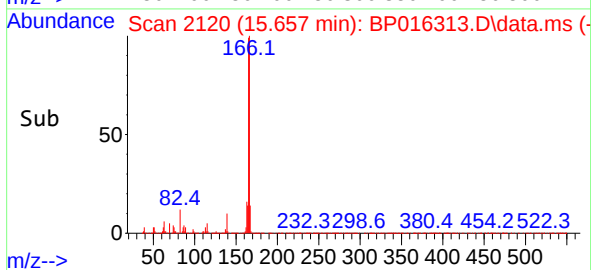
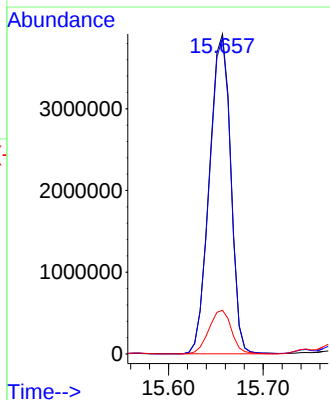
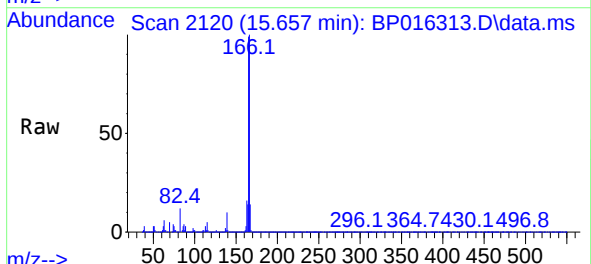
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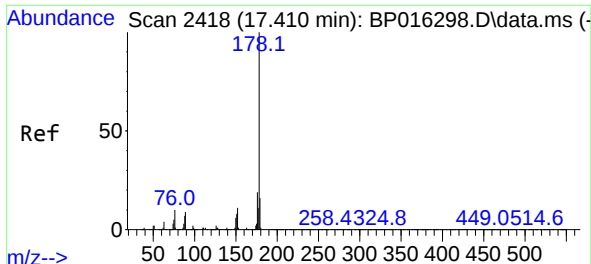
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#61
Fluorene
Concen: 117.470 ng/ul
RT: 15.657 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

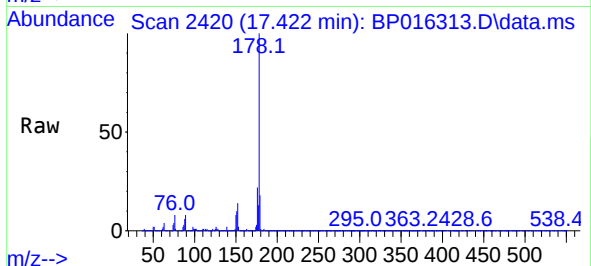
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Ion Ratio Lower Upper
166 100
165 98.8 78.6 117.8
167 13.7 11.0 16.4





#72
Phenanthrene
Concen: 380.615 ng/ul m
RT: 17.422 min Scan# 2418
Delta R.T. 0.012 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

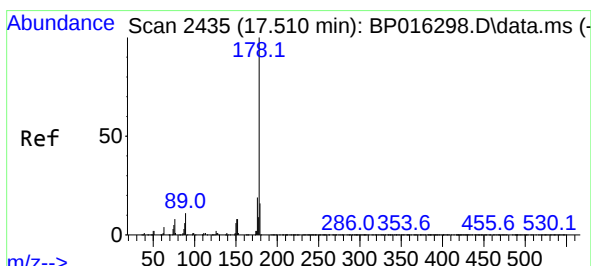
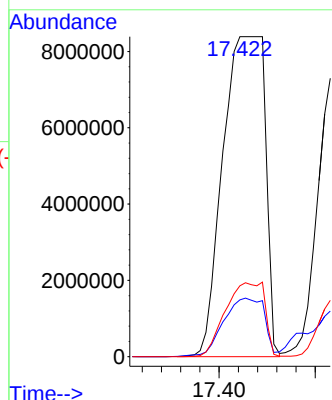
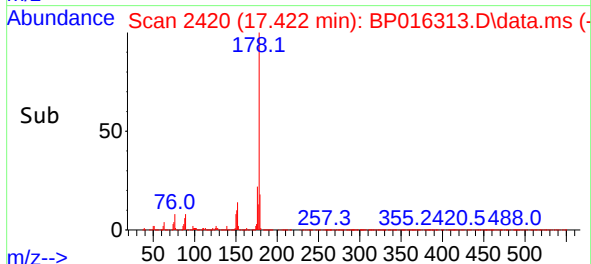
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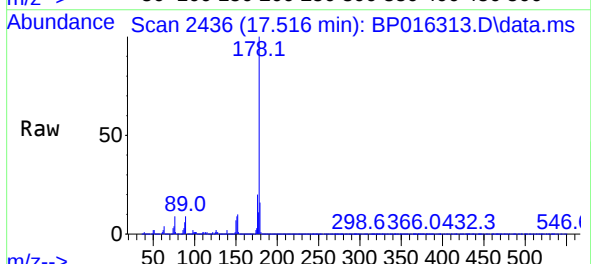
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Ion Ratio Lower Upper
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176 22.1 15.6 23.4

Manual Integrations
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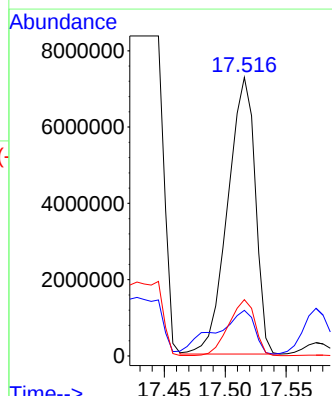
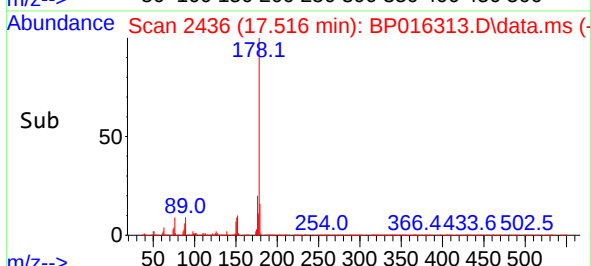
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

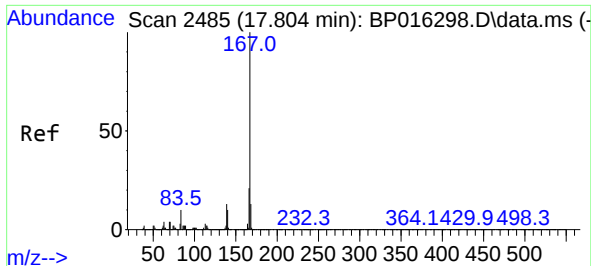


#74
Anthracene
Concen: 169.182 ng/ul
RT: 17.516 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35



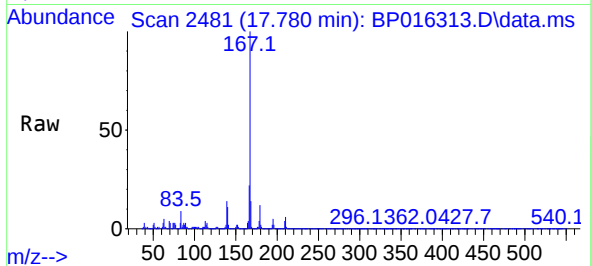
Tgt Ion:178 Resp:11433006
Ion Ratio Lower Upper
178 100
179 16.4 11.9 17.9
176 20.2 15.0 22.4





#77
 Carbazole
 Concen: 24.574 ng/ul
 RT: 17.780 min Scan# 2485
 Delta R.T. -0.024 min
 Lab File: BP016313.D
 Acq: 19 Jul 2023 02:35

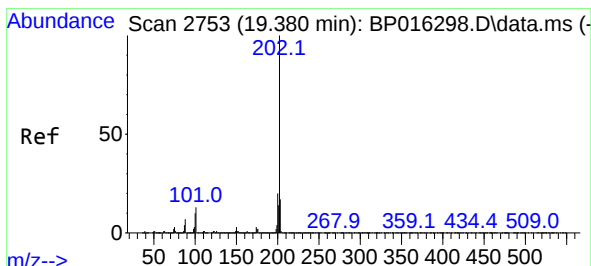
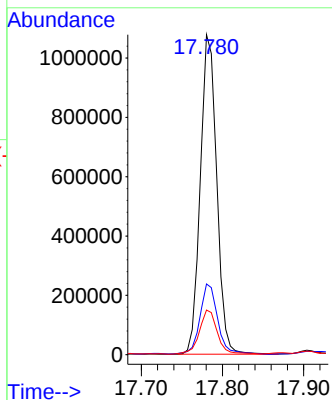
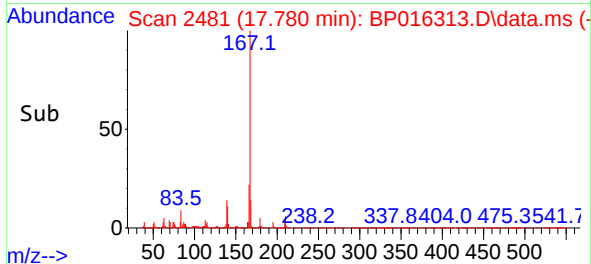
Instrument :
 BNA_P
 ClientSampleId :
 A46W5



Tgt Ion:167 Resp: 151412
 Ion Ratio Lower Upper
 167 100
 166 22.1 16.8 25.2
 139 14.0 10.2 15.4

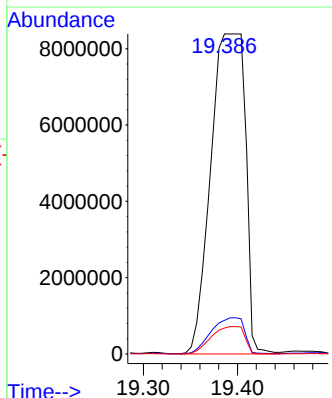
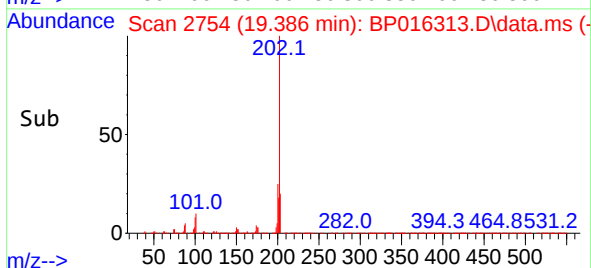
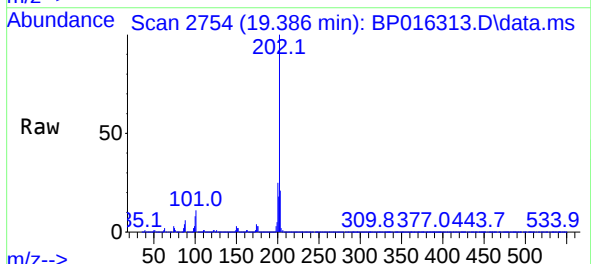
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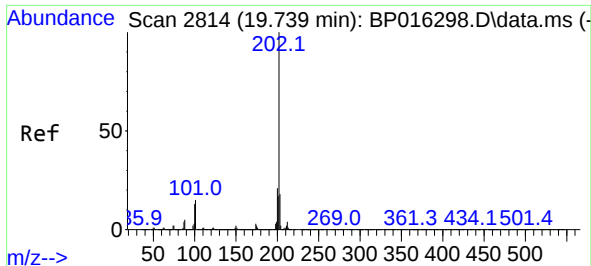
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#80
 Fluoranthene
 Concen: 478.140 ng/ul m
 RT: 19.386 min Scan# 2754
 Delta R.T. 0.006 min
 Lab File: BP016313.D
 Acq: 19 Jul 2023 02:35

Tgt Ion:202 Resp:21443914
 Ion Ratio Lower Upper
 202 100
 101 10.5 10.4 15.6
 100 8.1 8.2 12.4





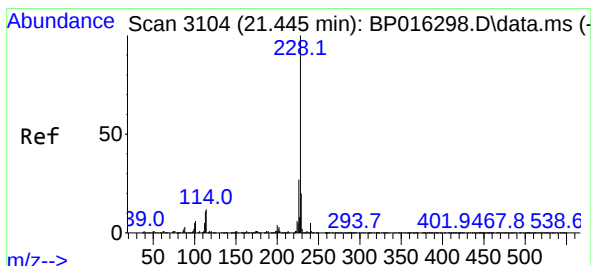
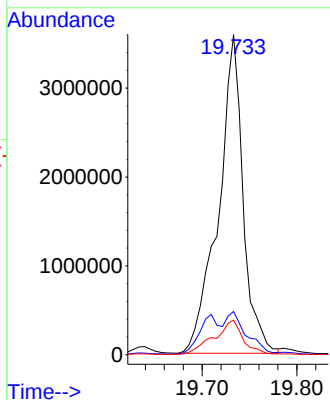
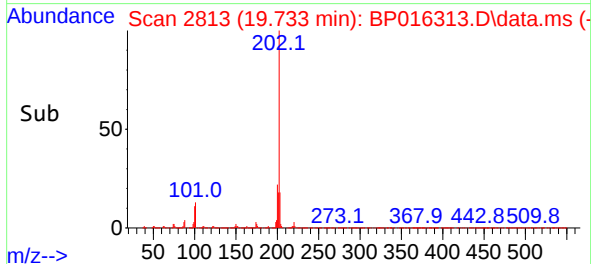
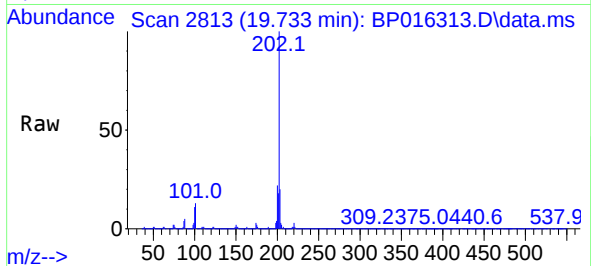
#82
Pyrene
Concen: 135.725 ng/ul
RT: 19.733 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

Instrument :
BNA_P
ClientSampleId :
A46W5

Tgt Ion:202 Resp: 649894
Ion Ratio Lower Upper
202 100
101 13.5 12.4 18.6
100 10.8 10.5 15.7

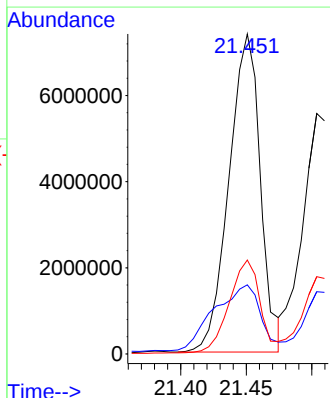
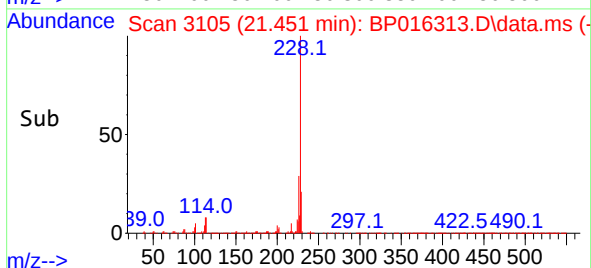
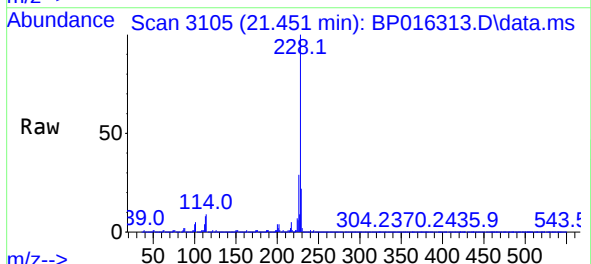
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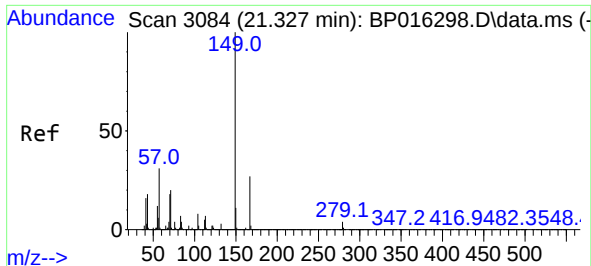
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#85
Benzo(a)anthracene
Concen: 255.753 ng/ul
RT: 21.451 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

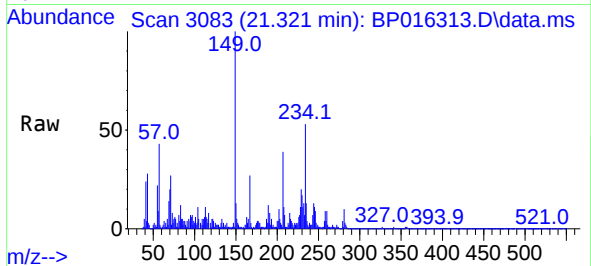
Tgt Ion:228 Resp:12309570
Ion Ratio Lower Upper
228 100
229 21.6 15.5 23.3
226 29.3 21.5 32.3





#86
Bis(2-ethylhexyl)phthalate
Concen: 8.740 ng/ul
RT: 21.321 min Scan# 3083
Delta R.T. -0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

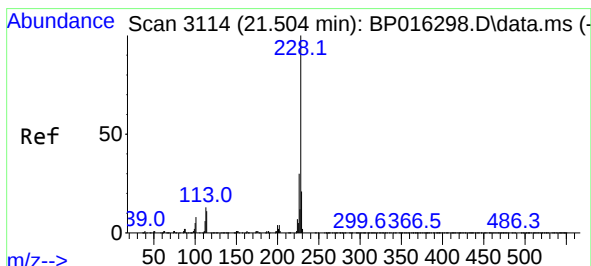
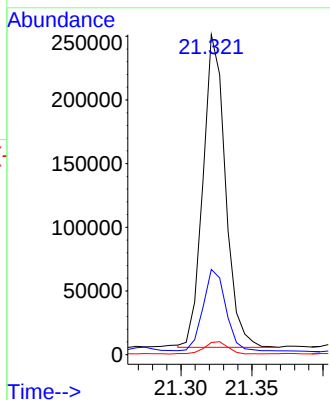
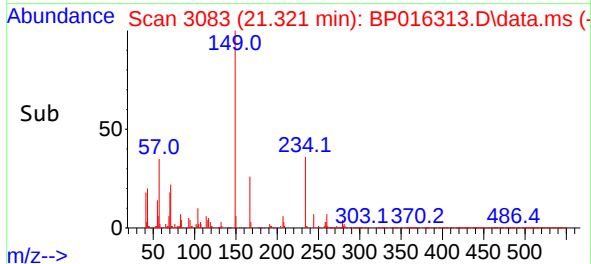
Instrument :
BNA_P
ClientSampleId :
A46W5



Tgt Ion:149 Resp: 269634
Ion Ratio Lower Upper
149 100
167 26.6 21.0 31.4
279 3.8 3.0 4.6

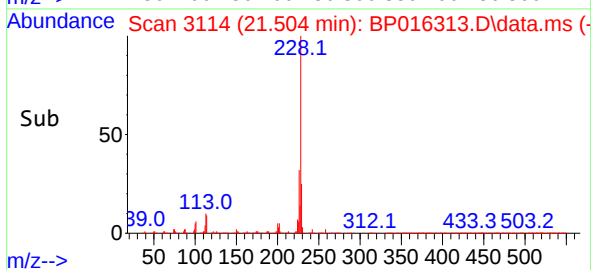
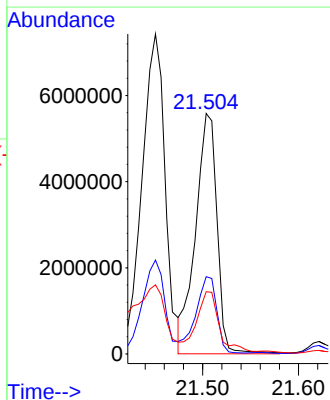
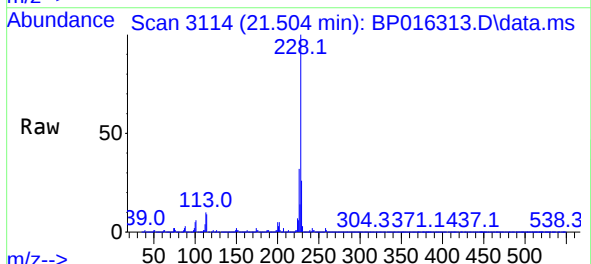
Manual Integrations
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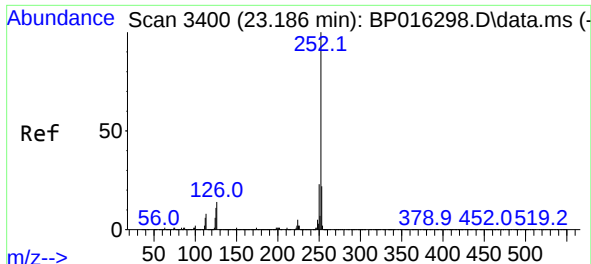
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#87
Chrysene
Concen: 178.783 ng/ul m
RT: 21.504 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

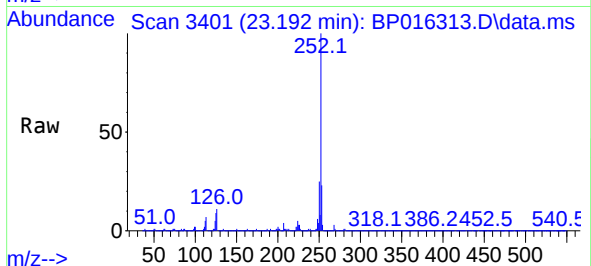
Tgt Ion:228 Resp: 8717098
Ion Ratio Lower Upper
228 100
226 32.2 24.0 36.0
229 25.9 15.5 23.3#





#90
Benzo(b)fluoranthene
Concen: 158.143 ng/ul
RT: 23.192 min Scan# 3401
Delta R.T. 0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

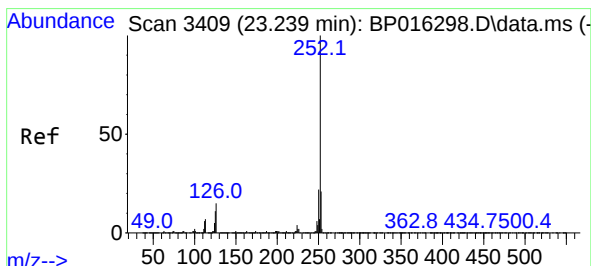
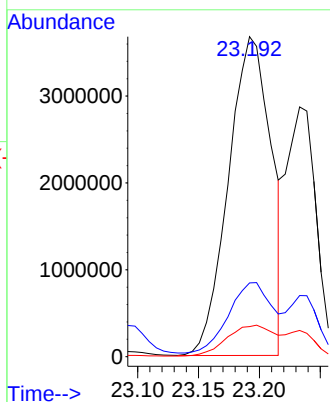
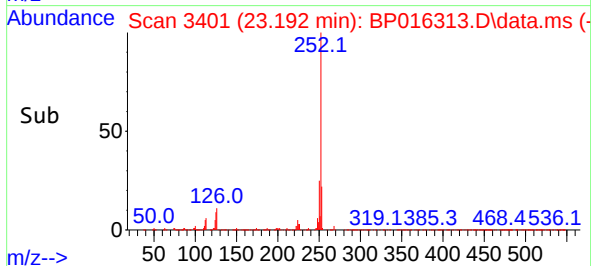
Instrument :
BNA_P
ClientSampleId :
A46W5



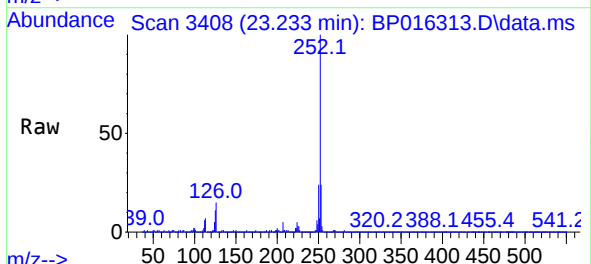
Tgt Ion:252 Resp: 895364
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 9.4 9.4 14.0

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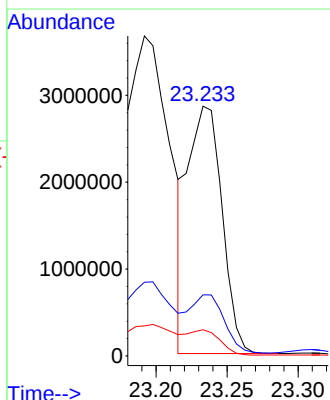
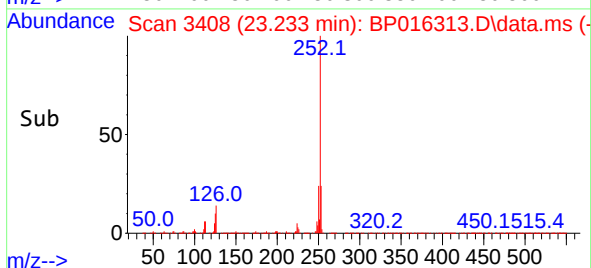
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

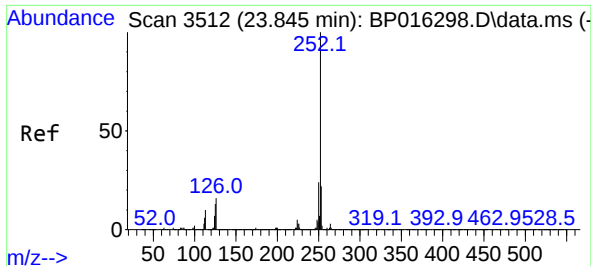


#91
Benzo(k)fluoranthene
Concen: 82.735 ng/ul
RT: 23.233 min Scan# 3408
Delta R.T. -0.006 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35



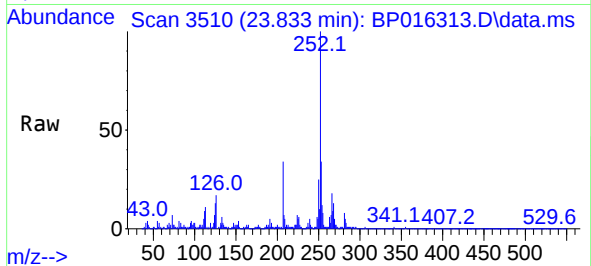
Tgt Ion:252 Resp: 4766908
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.2
125 10.5 9.3 13.9





#93
Benzo(a)pyrene
Concen: 16.226 ng/ul
RT: 23.833 min Scan# 310
Delta R.T. -0.012 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

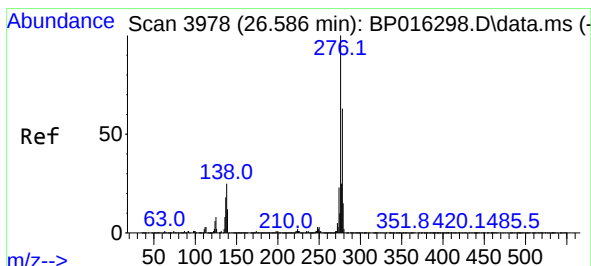
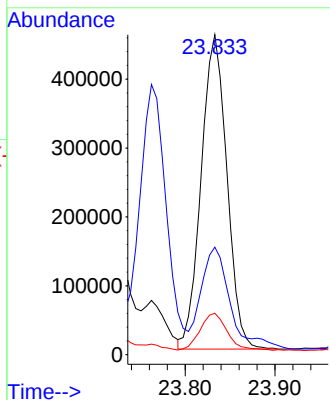
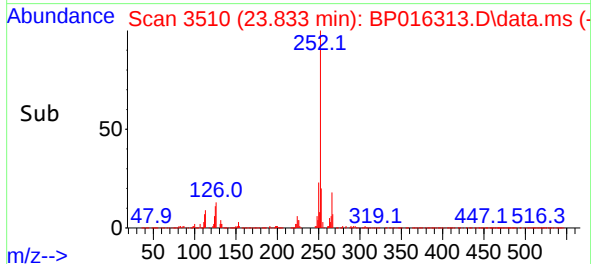
Instrument :
BNA_P
ClientSampleId :
A46W5



Tgt Ion:252 Resp: 91005
Ion Ratio Lower Upper
252 100
253 33.6 17.2 25.8
125 12.9 9.8 14.6

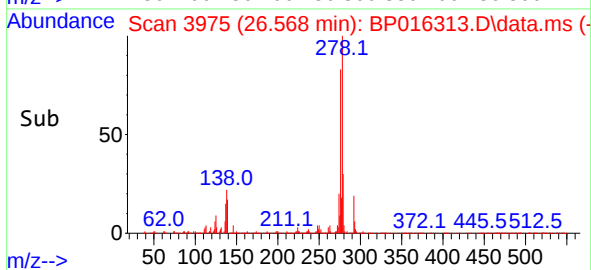
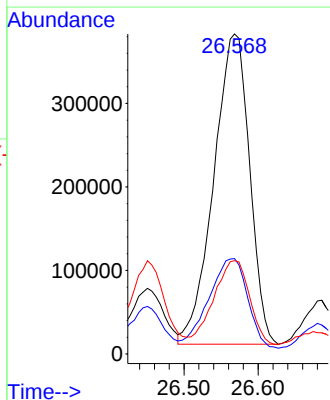
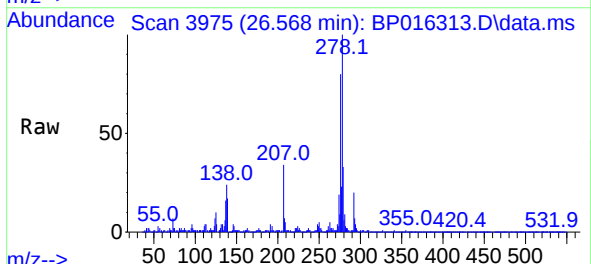
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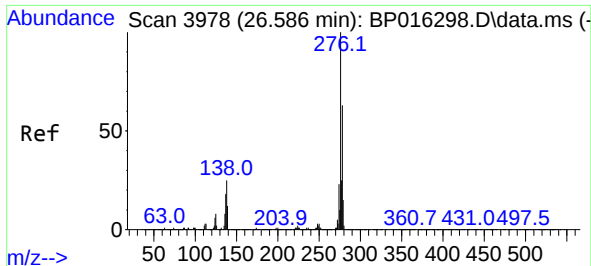
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 17.979 ng/ul
RT: 26.568 min Scan# 3975
Delta R.T. -0.018 min
Lab File: BP016313.D
Acq: 19 Jul 2023 02:35

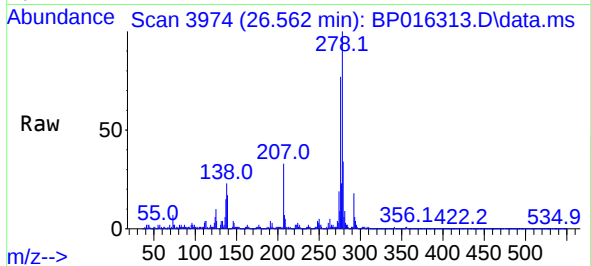
Tgt Ion:276 Resp: 1248688
Ion Ratio Lower Upper
276 100
138 29.8 20.8 31.2
277 29.2 19.8 29.8





#95
 Dibenzo(a,h)anthracene
 Concen: 31.061 ng/ul
 RT: 26.562 min Scan# 3974
 Delta R.T. -0.024 min
 Lab File: BP016313.D
 Acq: 19 Jul 2023 02:35

Instrument :
 BNA_P
 ClientSampleId :
 A46W5



Tgt Ion:278 Resp: 1759633
 Ion Ratio Lower Upper
 278 100
 139 17.3 13.9 20.9
 279 33.6 18.2 27.4

Manual Integrations
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Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

