

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP011996.D
 Acq On : 07 Oct 2022 06:36
 Operator : CG/JU
 Sample : N4923-02
 Misc :
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10008

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/07/2022
 Supervised By :mohammad ahmed 10/10/2022

Quant Time: Oct 07 07:05:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 07 03:22:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	277075	20.000	ng/u1	0.00
20) Naphthalene-d8	10.705	136	1089146	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.528	164	758253	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.292	188	1422672	20.000	ng/u1	0.01
79) Chrysene-d12	21.386	240	1157848	20.000	ng/u1	# 0.02
88) Perylene-d12	23.822	264	1769419m	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	23469	3.736	ng/uL	0.00
4) Pyridine-d5	3.728	84	170637	9.273	ng/u1	0.01
7) Phenol-d5	7.052	99	160274	6.700	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.211	67	333067	25.121	ng/u1	0.00
11) 2-Chlorophenol-d4	7.411	132	385271	20.404	ng/u1	0.00
15) 4-Methylphenol-d8	8.605	113	267727	13.540	ng/u1	0.02
21) Nitrobenzene-d5	9.052	128	264309	31.860	ng/u1	0.01
24) 2-Nitrophenol-d4	9.769	143	251823	28.372	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.328	165	417053	25.404	ng/u1	0.02
31) 4-Chloroaniline-d4	10.834	131	837806m	33.475	ng/u1	0.01
46) Dimethylphthalate-d6	13.946	166	1442049	26.595	ng/u1	0.01
49) Acenaphthylene-d8	14.228	160	1671251	27.037	ng/u1	0.01
54) 4-Nitrophenol-d4	14.751	143	99883	8.896	ng/u1	0.03
60) Fluorene-d10	15.528	176	1266319	26.892	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.675	200	163398m	18.976	ng/u1	0.04
73) Anthracene-d10	17.398	188	1931697	29.808	ng/u1	0.02
81) Pyrene-d10	19.633	212	1860398	31.727	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.669	264	2525884m	28.517	ng/u1	0.04
Target Compounds						
					Qvalue	
8) Phenol	7.093	94	6594715	265.813	ng/u1	97
13) 2-Methylphenol	8.340	108	3771838	192.968	ng/u1	100
18) 4-Methylphenol	8.693	108	8806013	408.891	ng/u1	95
26) 2,4-Dimethylphenol	9.887	107	4855984m	254.999	ng/u1	
30) Naphthalene	10.787	128	36983080	632.197	ng/u1	95
36) 2-Methylnaphthalene	12.363	142	11646396	285.078	ng/u1	99
37) 1-Methylnaphthalene	12.581	142	9126972	222.647	ng/u1	99
43) 1,1'-Biphenyl	13.357	154	3715743	66.252	ng/u1	99
50) Acenaphthylene	14.263	152	15510781	225.932	ng/u1	95
52) Acenaphthene	14.593	153	2707433	55.897	ng/u1	99
56) Dibenzofuran	14.934	168	9905260	149.307	ng/u1	94
61) Fluorene	15.593	166	10270187	189.011	ng/u1	98
72) Phenanthrene	17.363	178	23373388	298.951	ng/u1	96
74) Anthracene	17.439	178	12416796	157.843	ng/u1	97
77) Carbazole	17.704	167	6839855	96.233	ng/u1	97
80) Fluoranthene	19.322	202	16107875	224.463	ng/u1#	88
82) Pyrene	19.669	202	15340149m	205.310	ng/u1	
85) Benzo(a)anthracene	21.369	228	11323590	149.551	ng/u1#	88
86) Bis(2-ethylhexyl)phtha...	21.280	149	601809	12.372	ng/u1#	96
87) Chrysene	21.427	228	10353693m	145.708	ng/u1	
90) Benzo(b)fluoranthene	23.092	252	12505090m	110.727	ng/u1	
91) Benzo(k)fluoranthene	23.127	252	4930123m	45.332	ng/u1	
93) Benzo(a)pyrene	23.733	252	10832599m	107.481	ng/u1	
94) Indeno(1,2,3-cd)pyrene	26.374	276	6230390m	48.567	ng/u1	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	26.380	278	1966092m	17.253	ng/ul	
96) Benzo(g,h,i)perylene	27.163	276	5441179m	47.843	ng/ul	

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

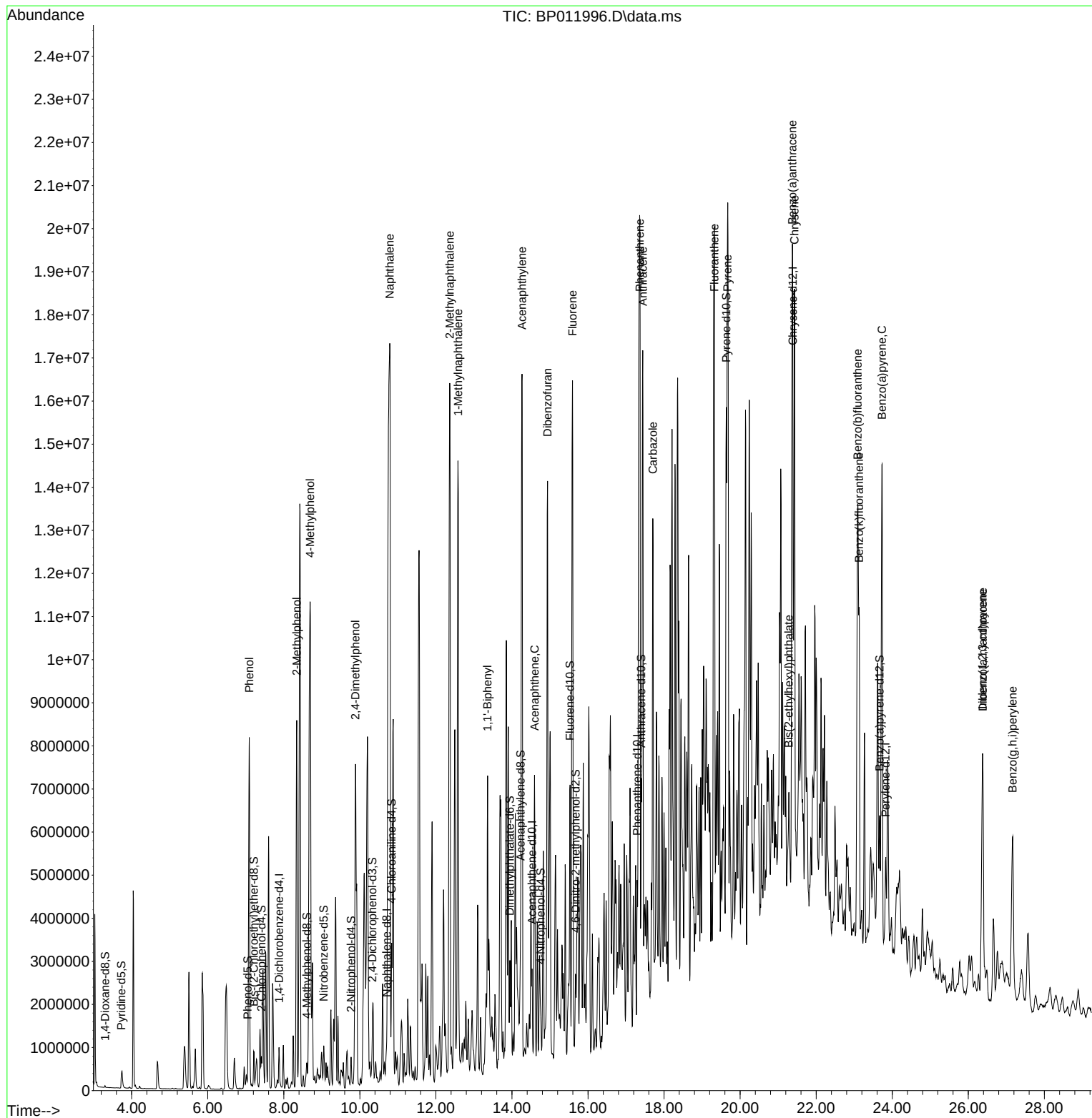
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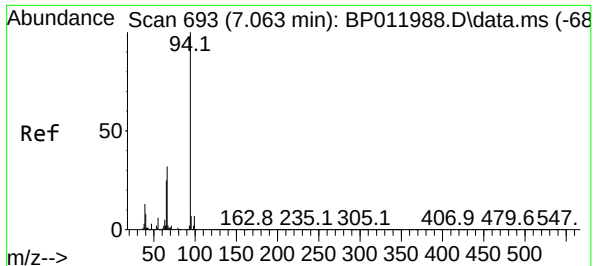
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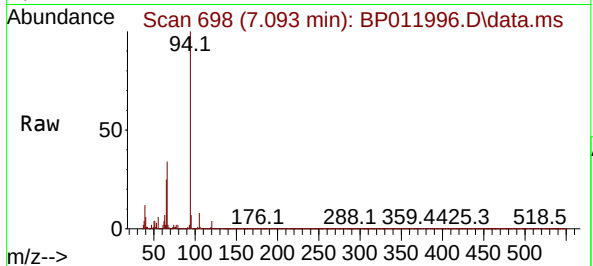
Quant Time: Oct 07 07:05:23 2022
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#8
Phenol
Concen: 265.813 ng/ul
RT: 7.093 min Scan# 693
Delta R.T. 0.029 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Instrument :
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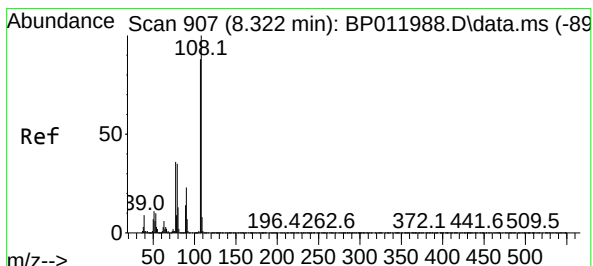
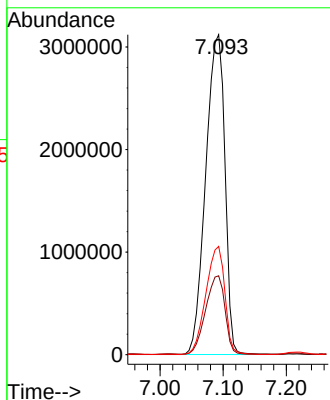
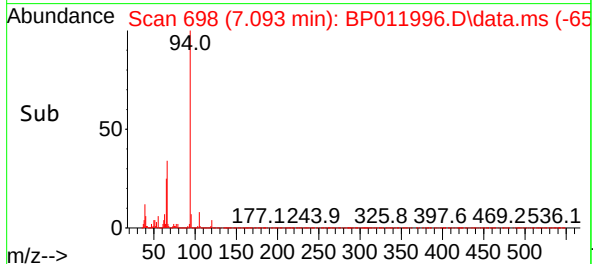


Tgt Ion: 94 Resp: 659471

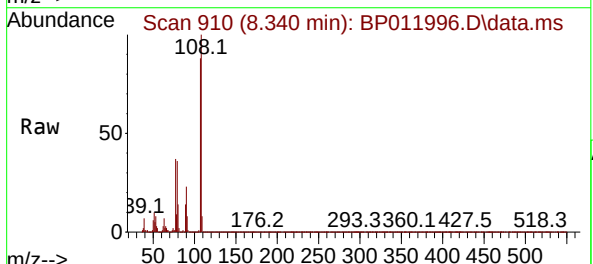
Ion	Ratio	Lower	Upper
94	100		
65	24.6	19.5	29.3
66	33.8	25.0	37.4

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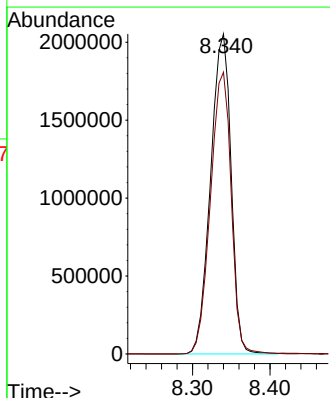
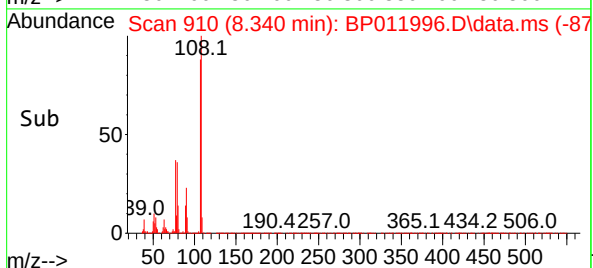


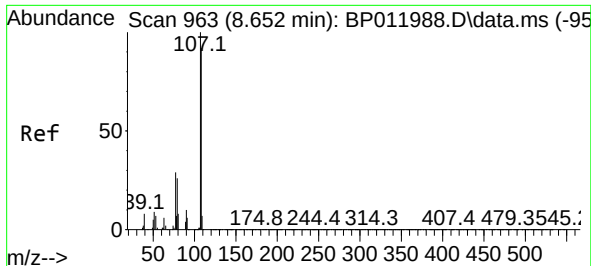
#13
2-Methylphenol
Concen: 192.968 ng/ul
RT: 8.340 min Scan# 910
Delta R.T. 0.018 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36



Tgt Ion:108 Resp: 3771838

Ion	Ratio	Lower	Upper
108	100		
107	88.1	70.2	105.2





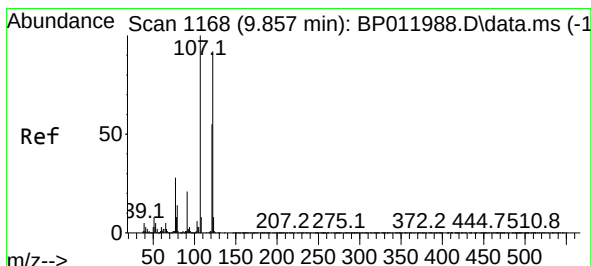
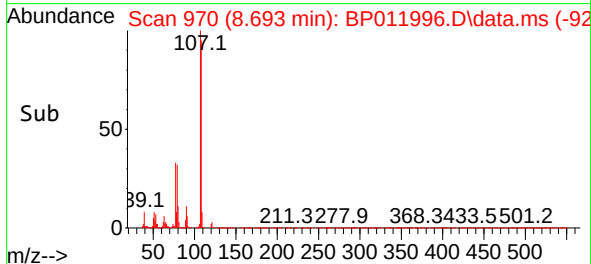
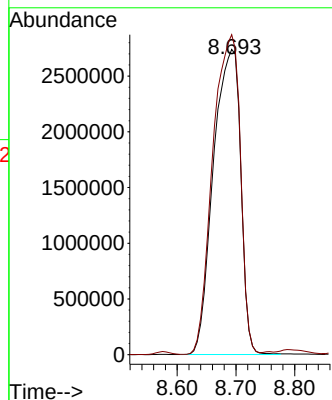
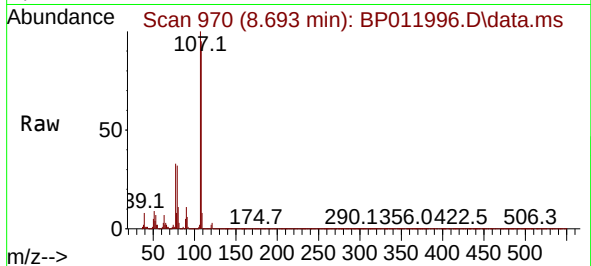
#18
4-Methylphenol
Concen: 408.891 ng/ul
RT: 8.693 min Scan# 91
Delta R.T. 0.041 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Instrument :
BNA_P
ClientSampleId :
E10008

Tgt Ion:108 Resp: 880601
Ion Ratio Lower Upper
108 100
107 104.8 88.0 132.0

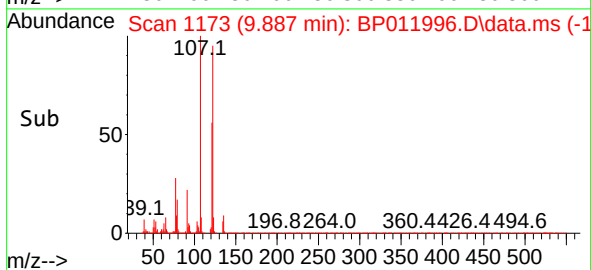
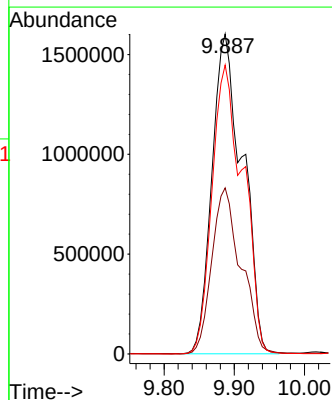
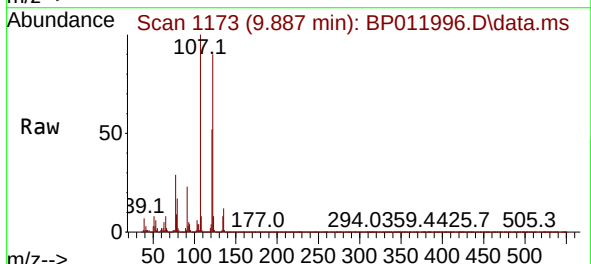
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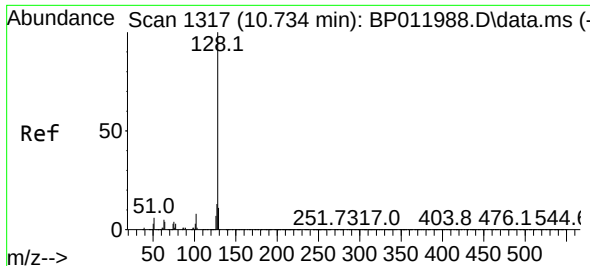
Reviewed By :Jagrut Upadhyay 10/07/2022
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#26
2,4-Dimethylphenol
Concen: 254.999 ng/ul m
RT: 9.887 min Scan# 1173
Delta R.T. 0.029 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

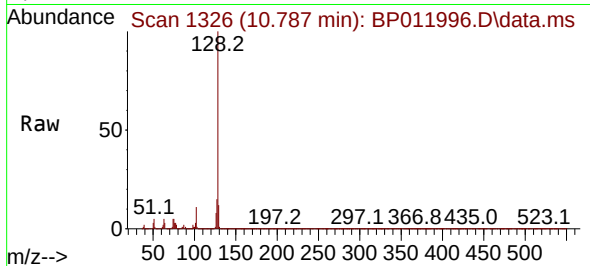
Tgt Ion:107 Resp: 4855984
Ion Ratio Lower Upper
107 100
121 51.9 43.0 64.6
122 90.3 74.9 112.3





#30
Naphthalene
Concen: 632.197 ng/ul
RT: 10.787 min Scan# 1326
Delta R.T. 0.053 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

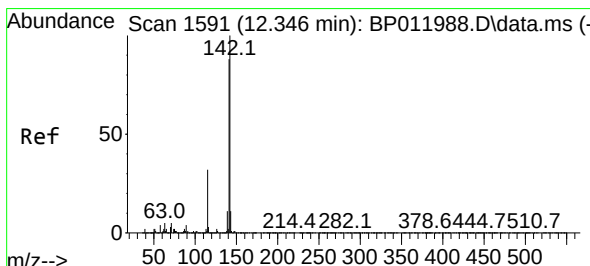
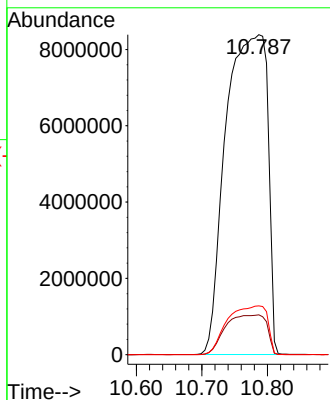
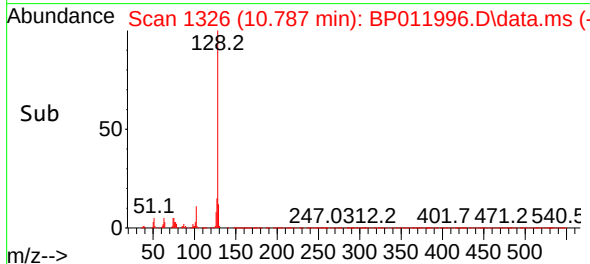
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:128 Resp:3698308
Ion Ratio Lower Upper
128 100
129 12.5 8.9 13.3
127 15.2 10.5 15.7

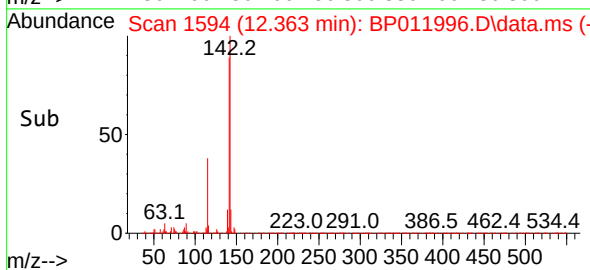
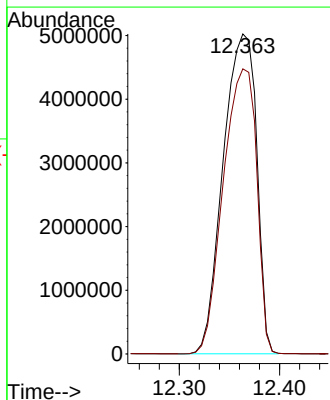
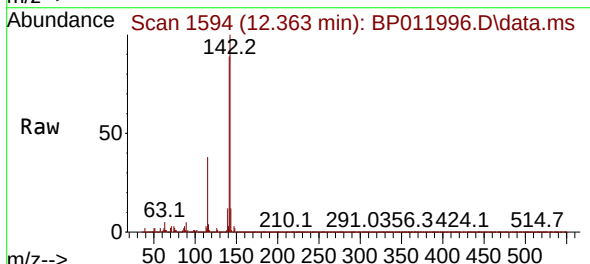
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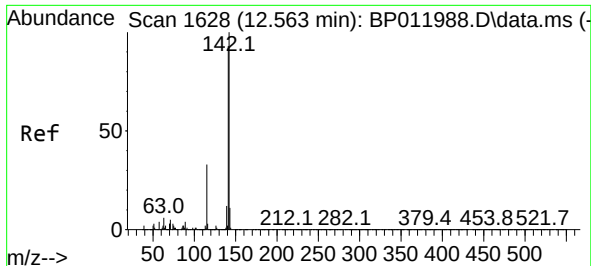
Reviewed By :Jagrut Upadhyay 10/07/2022
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#36
2-Methylnaphthalene
Concen: 285.078 ng/ul
RT: 12.363 min Scan# 1594
Delta R.T. 0.018 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

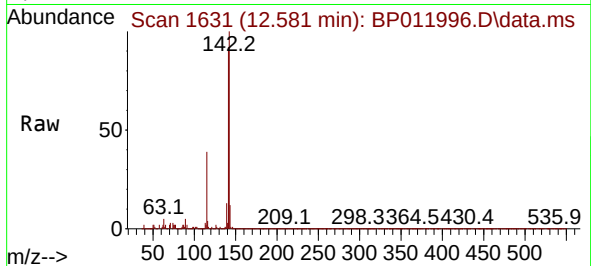
Tgt Ion:142 Resp:11646396
Ion Ratio Lower Upper
142 100
141 89.1 70.6 106.0





#37
1-Methylnaphthalene
Concen: 222.647 ng/ul
RT: 12.581 min Scan# 1631
Delta R.T. 0.018 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

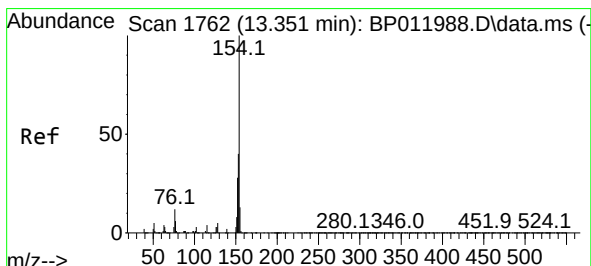
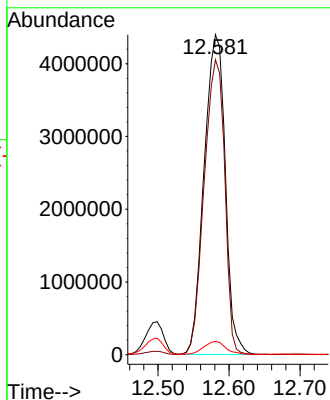
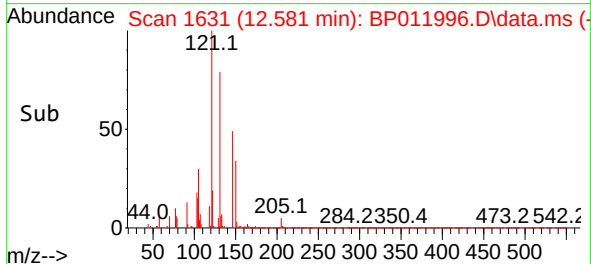
Instrument :
BNA_P
ClientSampleId :
E10008



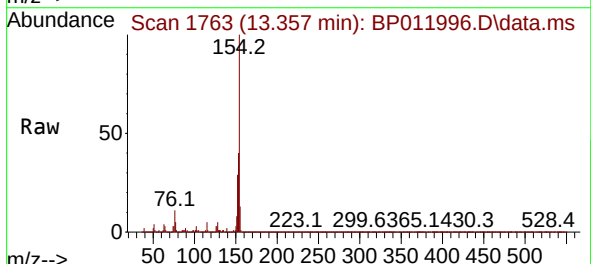
Tgt Ion:142 Resp: 9126972
Ion Ratio Lower Upper
142 100
141 92.2 74.8 112.2
116 4.2 2.9 4.3

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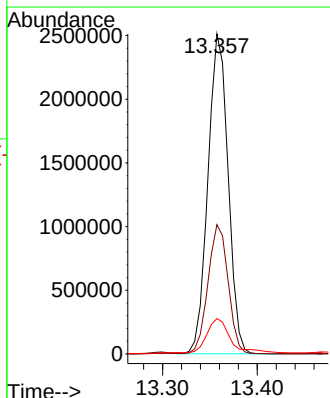
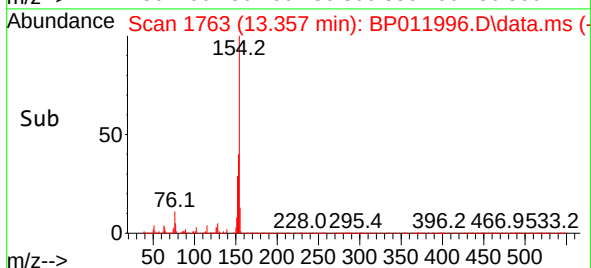
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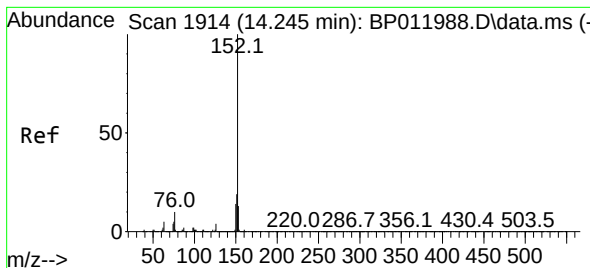


#43
1,1'-Biphenyl
Concen: 66.252 ng/ul
RT: 13.357 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36



Tgt Ion:154 Resp: 3715743
Ion Ratio Lower Upper
154 100
153 40.4 31.8 47.6
76 11.0 9.5 14.3





#50

Acenaphthylene

Concen: 225.932 ng/ul

RT: 14.263 min Scan# 1917

Delta R.T. 0.018 min

Lab File: BP011996.D

Acq: 07 Oct 2022 06:36

Instrument :

BNA_P

ClientSampleId :

E10008

Tgt Ion:152 Resp:1551078

Ion Ratio Lower Upper

152 100

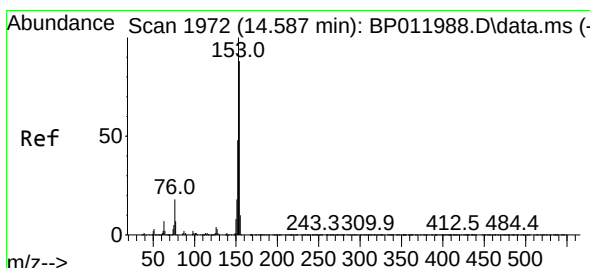
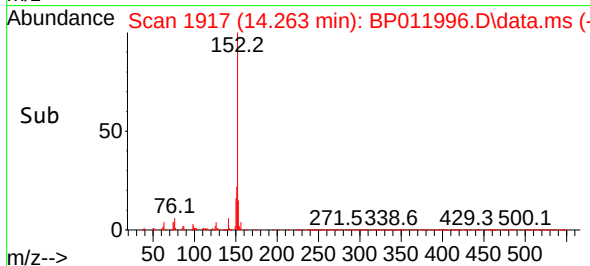
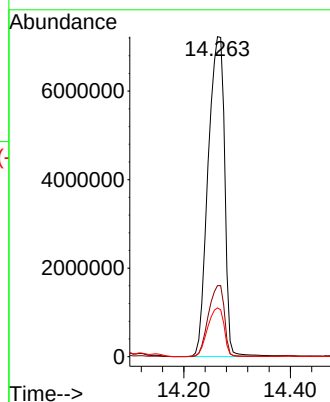
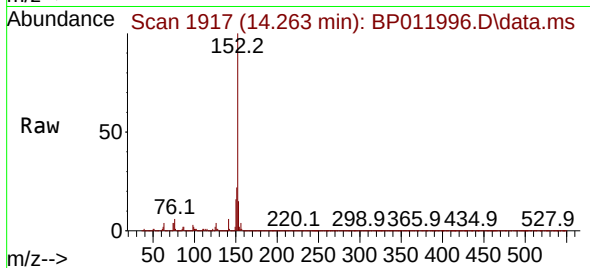
151 22.2 16.0 24.0

153 15.3 10.8 16.2

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#52

Acenaphthene

Concen: 55.897 ng/ul

RT: 14.593 min Scan# 1973

Delta R.T. 0.006 min

Lab File: BP011996.D

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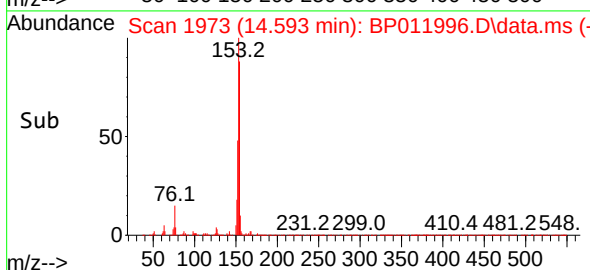
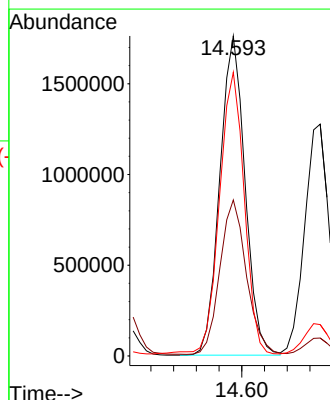
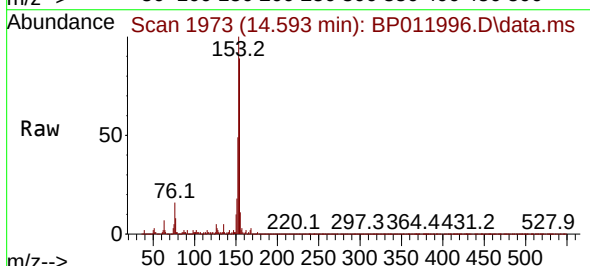
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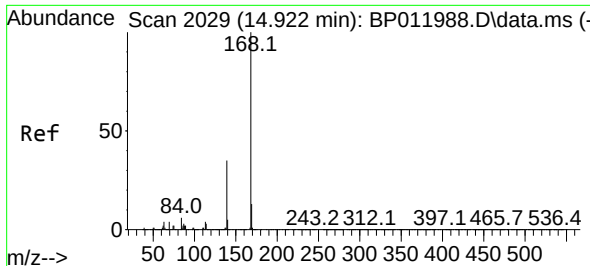
Ion Ratio Lower Upper

153 100

152 48.7 38.4 57.6

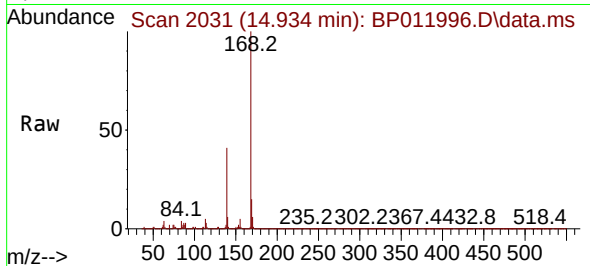
154 88.6 70.6 105.8





#56
Dibenzenofuran
Concen: 149.307 ng/ul
RT: 14.934 min Scan# 2029
Delta R.T. 0.012 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

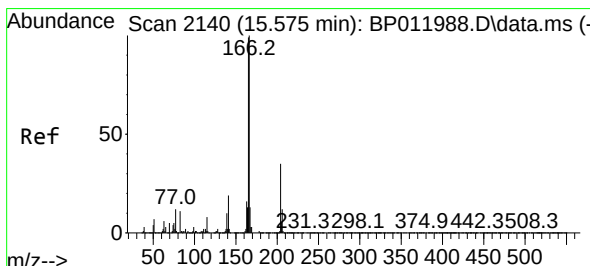
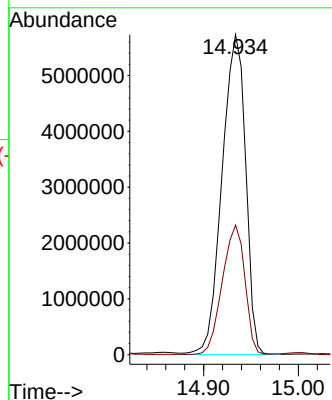
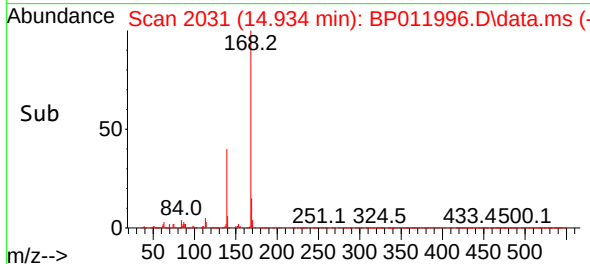
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Tgt Ion:168 Resp: 9905260
Ion Ratio Lower Upper
168 100
139 40.5 29.4 44.2

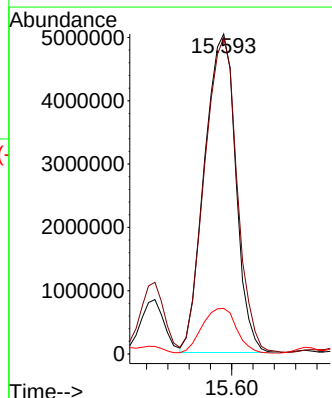
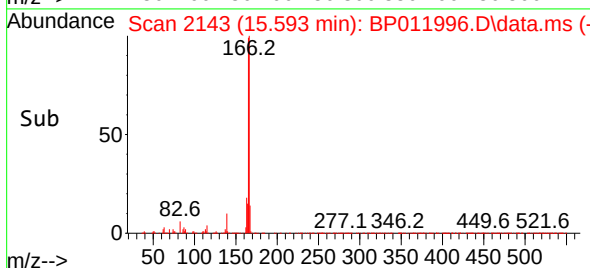
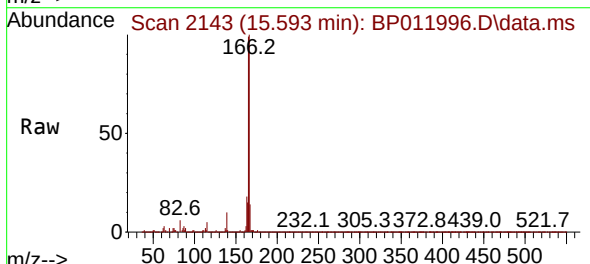
Manual Integrations
APPROVED

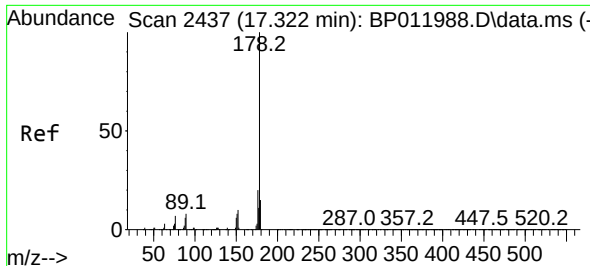
Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#61
Fluorene
Concen: 189.011 ng/ul
RT: 15.593 min Scan# 2143
Delta R.T. 0.018 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Tgt Ion:166 Resp:10270187
Ion Ratio Lower Upper
166 100
165 98.9 77.2 115.8
167 14.2 10.7 16.1





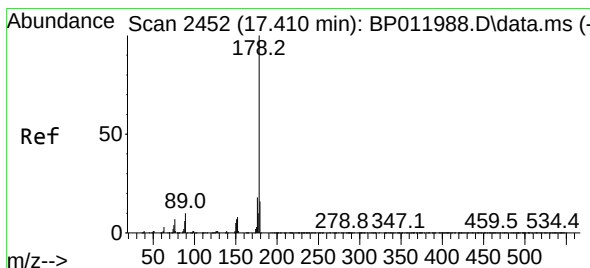
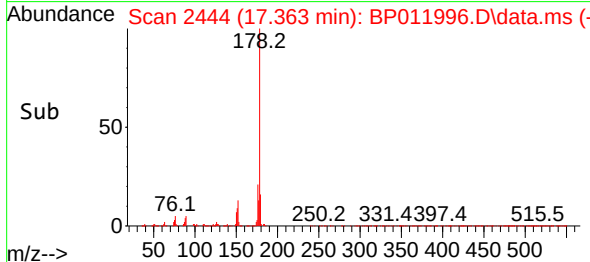
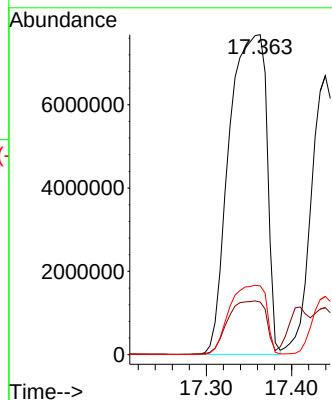
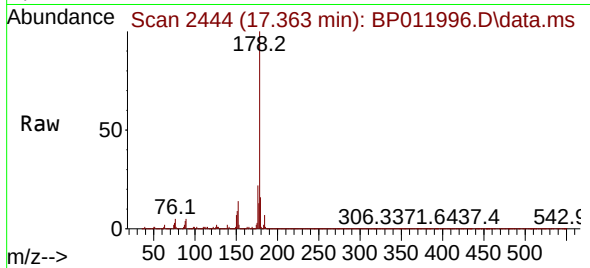
#72
Phenanthrene
Concen: 298.951 ng/uI
RT: 17.363 min Scan# 2437
Delta R.T. 0.041 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Instrument :
BNA_P
ClientSampleId :
E10008

Tgt Ion:178 Resp:2337338
Ion Ratio Lower Upper
178 100
179 16.4 12.5 18.7
176 21.5 15.4 23.2

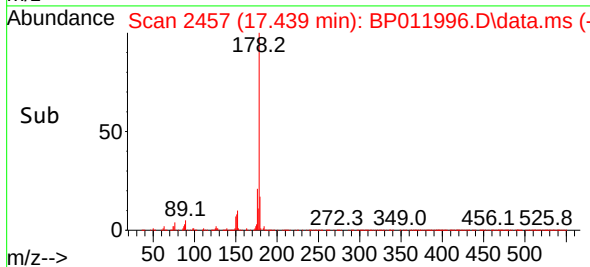
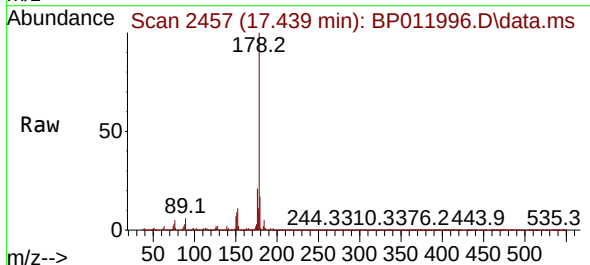
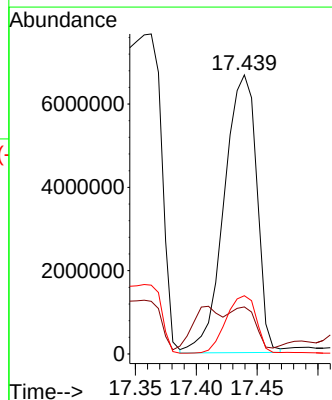
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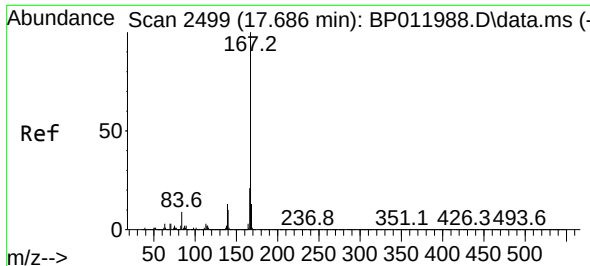
Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#74
Anthracene
Concen: 157.843 ng/uI
RT: 17.439 min Scan# 2457
Delta R.T. 0.029 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Tgt Ion:178 Resp:12416796
Ion Ratio Lower Upper
178 100
179 16.9 12.3 18.5
176 20.9 15.4 23.2





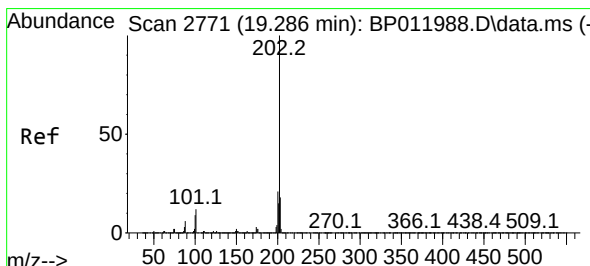
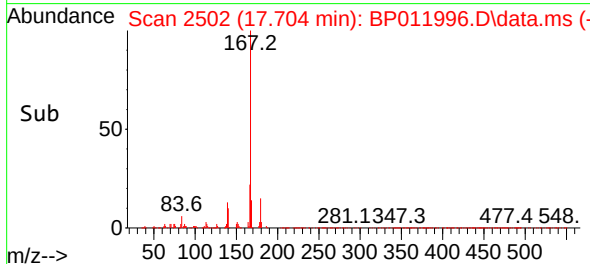
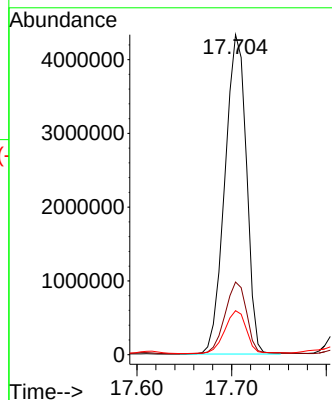
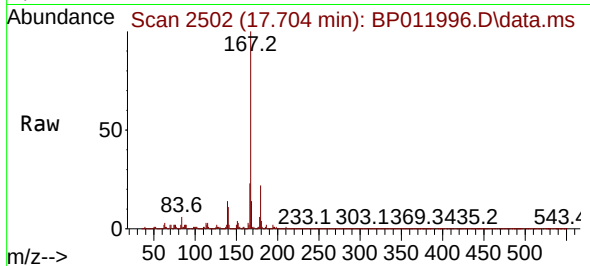
#77
 Carbazole
 Concen: 96.233 ng/u1
 RT: 17.704 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BP011996.D
 Acq: 07 Oct 2022 06:36

Instrument :
 BNA_P
 ClientSampleId :
 E10008

Tgt Ion:167 Resp: 683985
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.1 25.7
 139 13.8 10.1 15.1

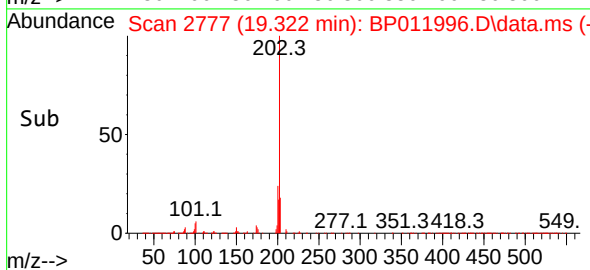
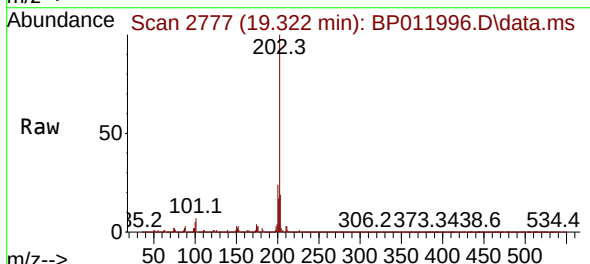
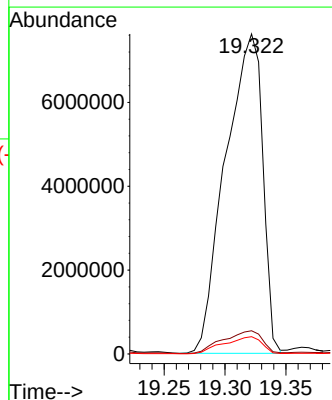
Manual Integrations
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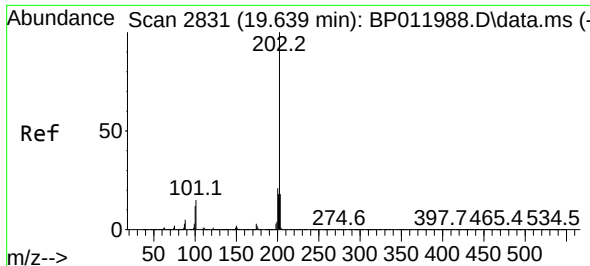
Reviewed By :Jagrut Upadhyay 10/07/2022
 Supervised By :mohammad ahmed 10/10/2022



#80
 Fluoranthene
 Concen: 224.463 ng/u1
 RT: 19.322 min Scan# 2777
 Delta R.T. 0.035 min
 Lab File: BP011996.D
 Acq: 07 Oct 2022 06:36

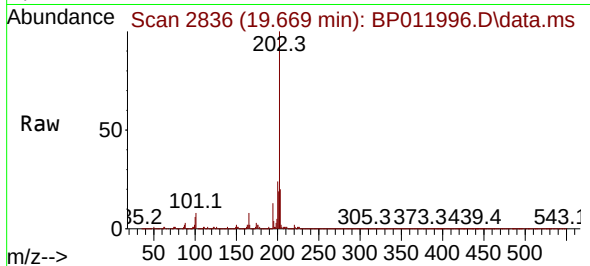
Tgt Ion:202 Resp:16107875
 Ion Ratio Lower Upper
 202 100
 101 7.3 9.8 14.6#
 100 5.4 7.4 11.0#





#82
Pyrene
Concen: 205.310 ng/ul m
RT: 19.669 min Scan# 21
Delta R.T. 0.029 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

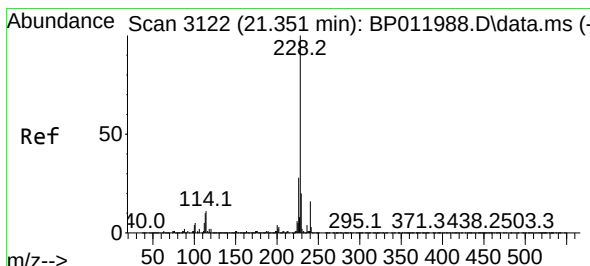
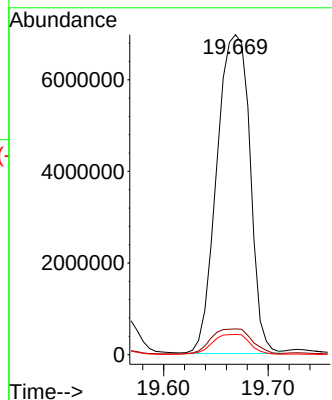
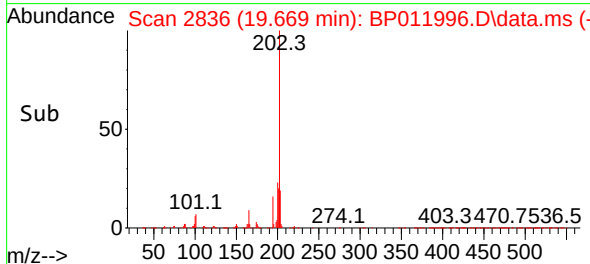
Instrument :
BNA_P
ClientSampleId :
E10008



Tgt Ion:202 Resp:15340149
Ion Ratio Lower Upper
202 100
101 8.0 11.6 17.4#
100 6.3 9.4 14.0#

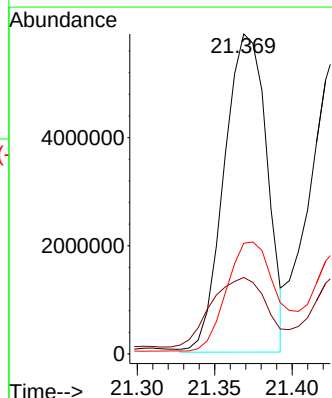
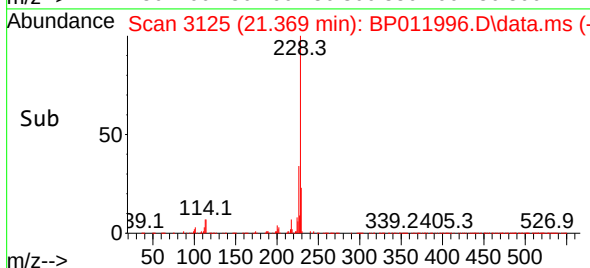
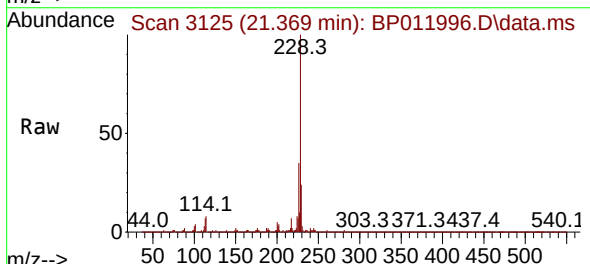
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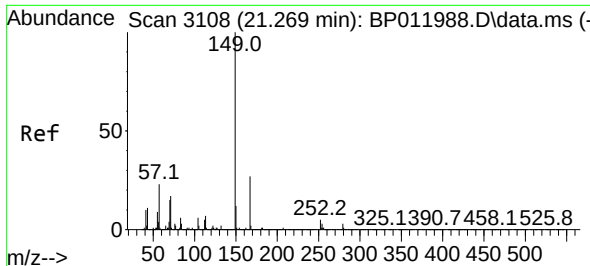
Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#85
Benzo(a)anthracene
Concen: 149.551 ng/ul
RT: 21.369 min Scan# 3125
Delta R.T. 0.018 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Tgt Ion:228 Resp:11323590
Ion Ratio Lower Upper
228 100
229 23.9 15.8 23.6#
226 34.6 22.0 33.0#





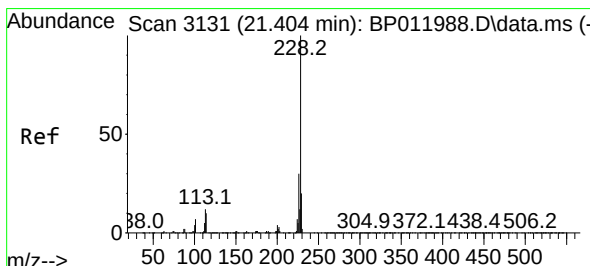
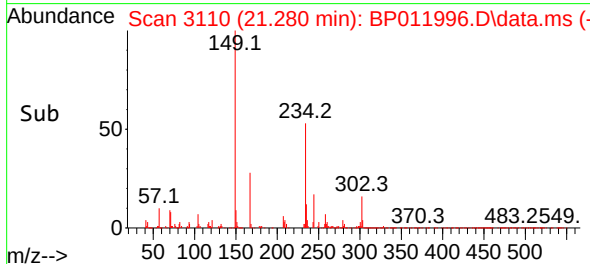
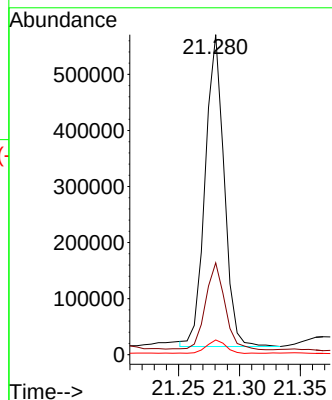
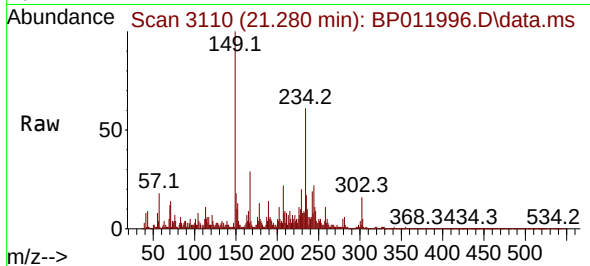
#86
Bis(2-ethylhexyl)phthalate
Concen: 12.372 ng/ul
RT: 21.280 min Scan# 3110
Delta R.T. 0.012 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Instrument :
BNA_P
ClientSampleId :
E10008

Tgt Ion:149 Resp: 601809
Ion Ratio Lower Upper
149 100
167 28.7 21.2 31.8
279 4.6 2.9 4.3

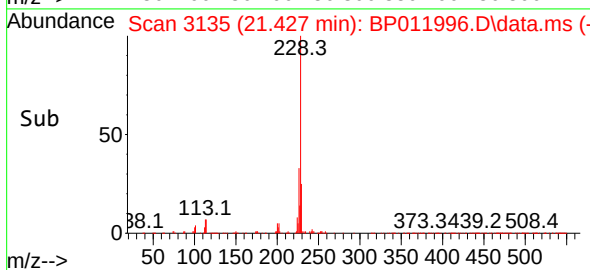
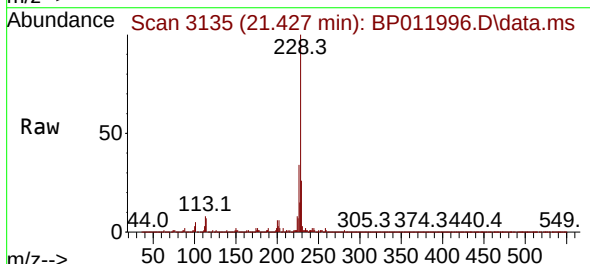
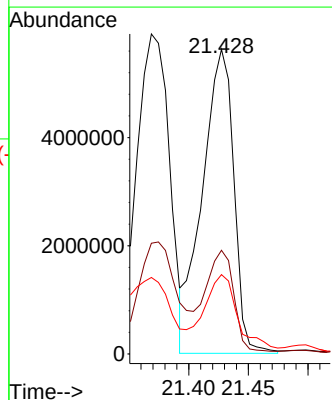
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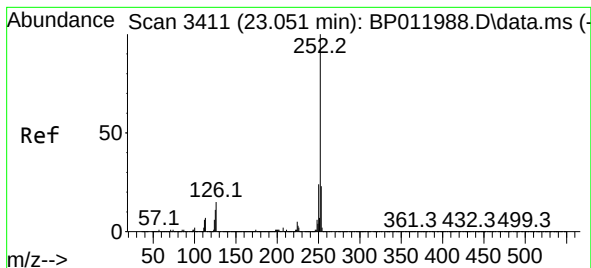
Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#87
Chrysene
Concen: 145.708 ng/ul m
RT: 21.427 min Scan# 3135
Delta R.T. 0.024 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Tgt Ion:228 Resp:10353693
Ion Ratio Lower Upper
228 100
226 34.0 25.3 37.9
229 26.0 16.2 24.2





#90

Benzo(b)fluoranthene

Concen: 110.727 ng/ul m

RT: 23.092 min Scan# 3411

Delta R.T. 0.041 min

Lab File: BP011996.D

Acq: 07 Oct 2022 06:36

Instrument :

BNP_P

ClientSampleId :

E10008

Tgt Ion:252 Resp:12505090

Ion Ratio Lower Upper

252 100

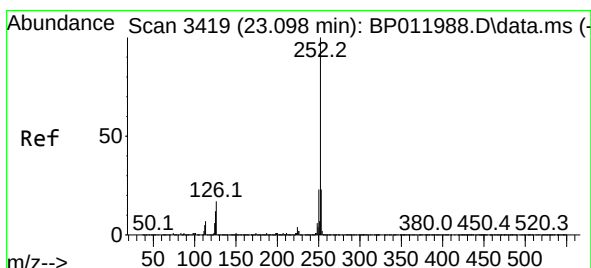
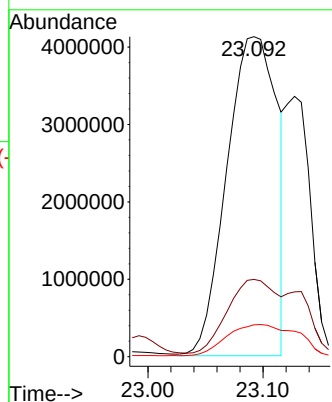
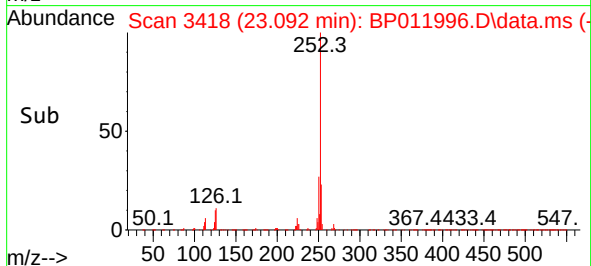
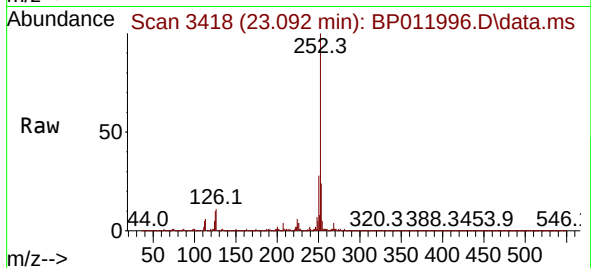
253 24.2 17.8 26.8

125 10.0 9.2 13.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#91

Benzo(k)fluoranthene

Concen: 45.332 ng/ul m

RT: 23.127 min Scan# 3424

Delta R.T. 0.029 min

Lab File: BP011996.D

Acq: 07 Oct 2022 06:36

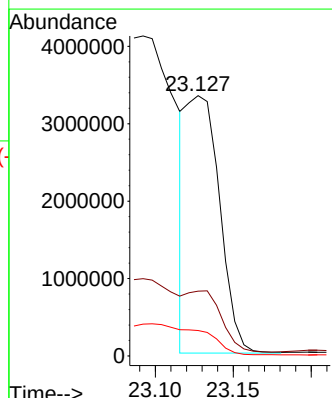
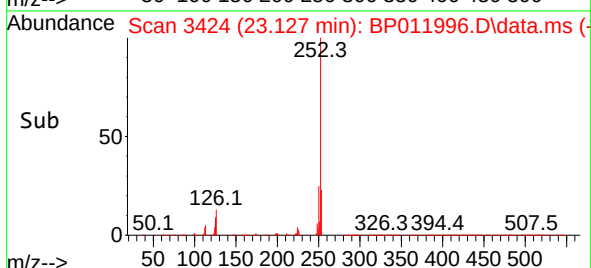
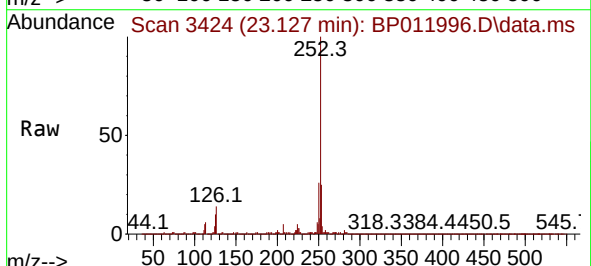
Tgt Ion:252 Resp: 4930123

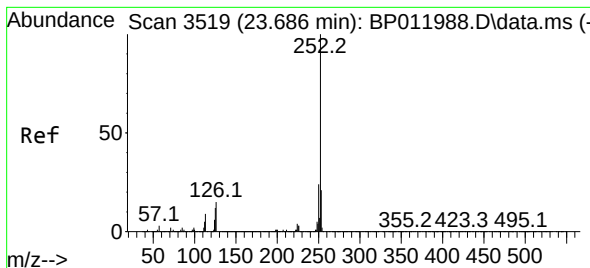
Ion Ratio Lower Upper

252 100

253 24.9 18.0 27.0

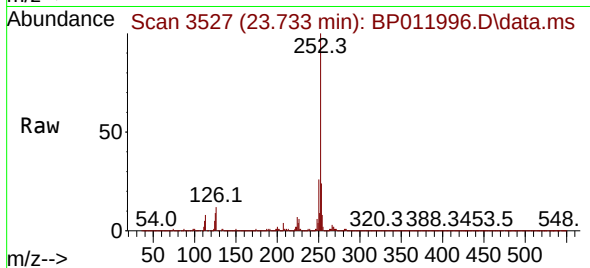
125 9.7 9.2 13.8





#93
Benzo(a)pyrene
Concen: 107.481 ng/ul m
RT: 23.733 min Scan# 3519
Delta R.T. 0.047 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

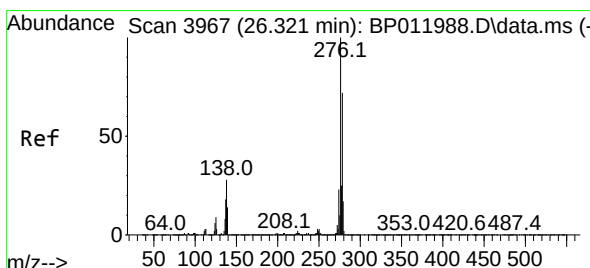
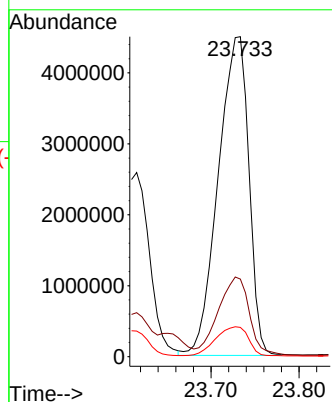
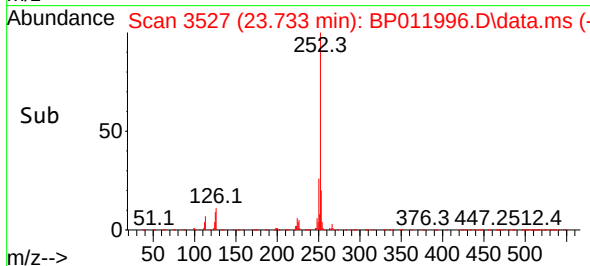
Instrument :
BNA_P
ClientSampleId :
E10008



Tgt Ion:252 Resp:1083259
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 9.2 9.8 14.8

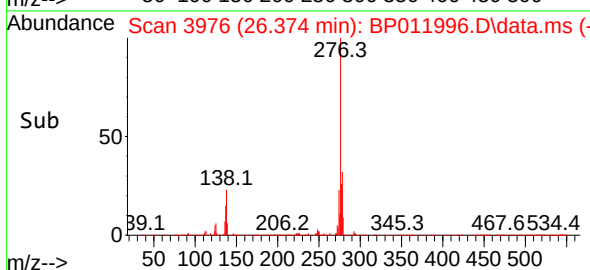
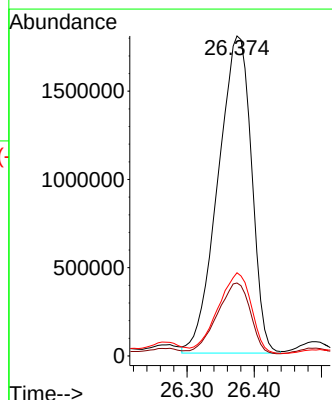
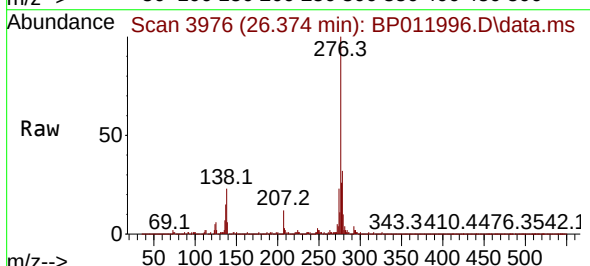
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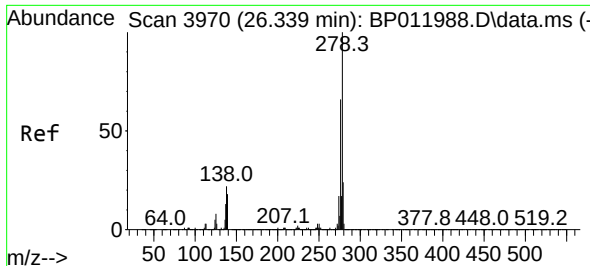
Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#94
Indeno(1,2,3-cd)pyrene
Concen: 48.567 ng/ul m
RT: 26.374 min Scan# 3976
Delta R.T. 0.053 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Tgt Ion:276 Resp: 6230390
Ion Ratio Lower Upper
276 100
138 22.8 21.4 32.0
277 26.0 19.9 29.9





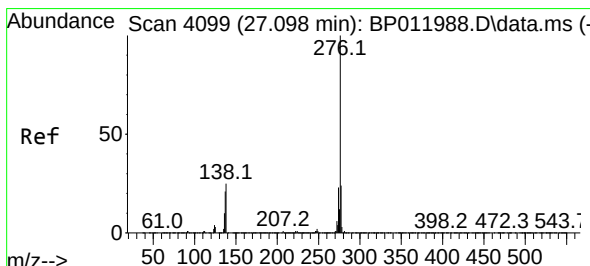
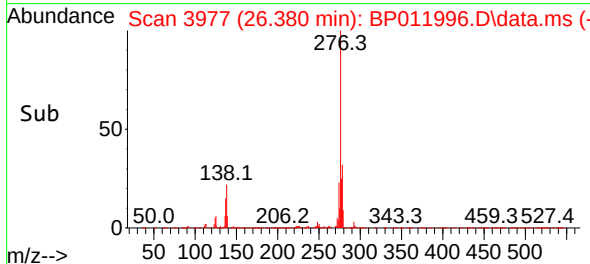
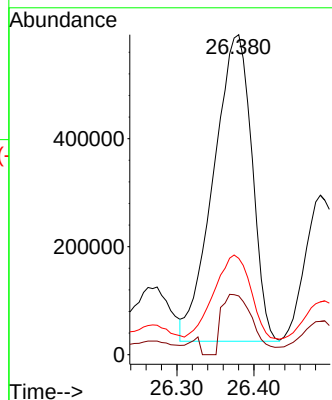
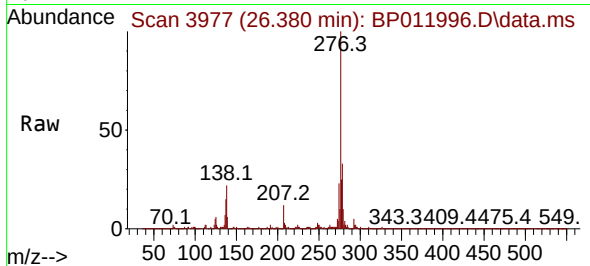
#95
Dibenzo(a,h)anthracene
Concen: 17.253 ng/ul m
RT: 26.380 min Scan# 3970
Delta R.T. 0.041 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Instrument :
BNA_P
ClientSampleId :
E10008

Tgt Ion:278 Resp: 1966092
Ion Ratio Lower Upper
278 100
139 18.4 15.0 22.6
279 30.1 19.0 28.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/07/2022
Supervised By :mohammad ahmed 10/10/2022



#96
Benzo(g,h,i)perylene
Concen: 47.843 ng/ul m
RT: 27.163 min Scan# 4110
Delta R.T. 0.065 min
Lab File: BP011996.D
Acq: 07 Oct 2022 06:36

Tgt Ion:276 Resp: 5441179
Ion Ratio Lower Upper
276 100
138 22.5 19.8 29.6
277 24.8 18.6 27.8

